Appendix A: 20dB Emission Bandwidth (EBW)

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1 Result Table

EUT Conf.	EBW [MHz]	Verdict
TM1_DH5_Ch0	0.950	Pass
TM1_DH5_Ch39	0.949	Pass
TM1_DH5_Ch78	0.950	Pass
TM2_2DH5_Ch0	1.278	Pass
TM2_2DH5_Ch39	1.279	Pass
TM2_2DH5_Ch78	1.278	Pass
TM3_3DH5_Ch0	1.267	Pass
TM3_3DH5_Ch39	1.269	Pass
TM3_3DH5_Ch78	1.269	Pass

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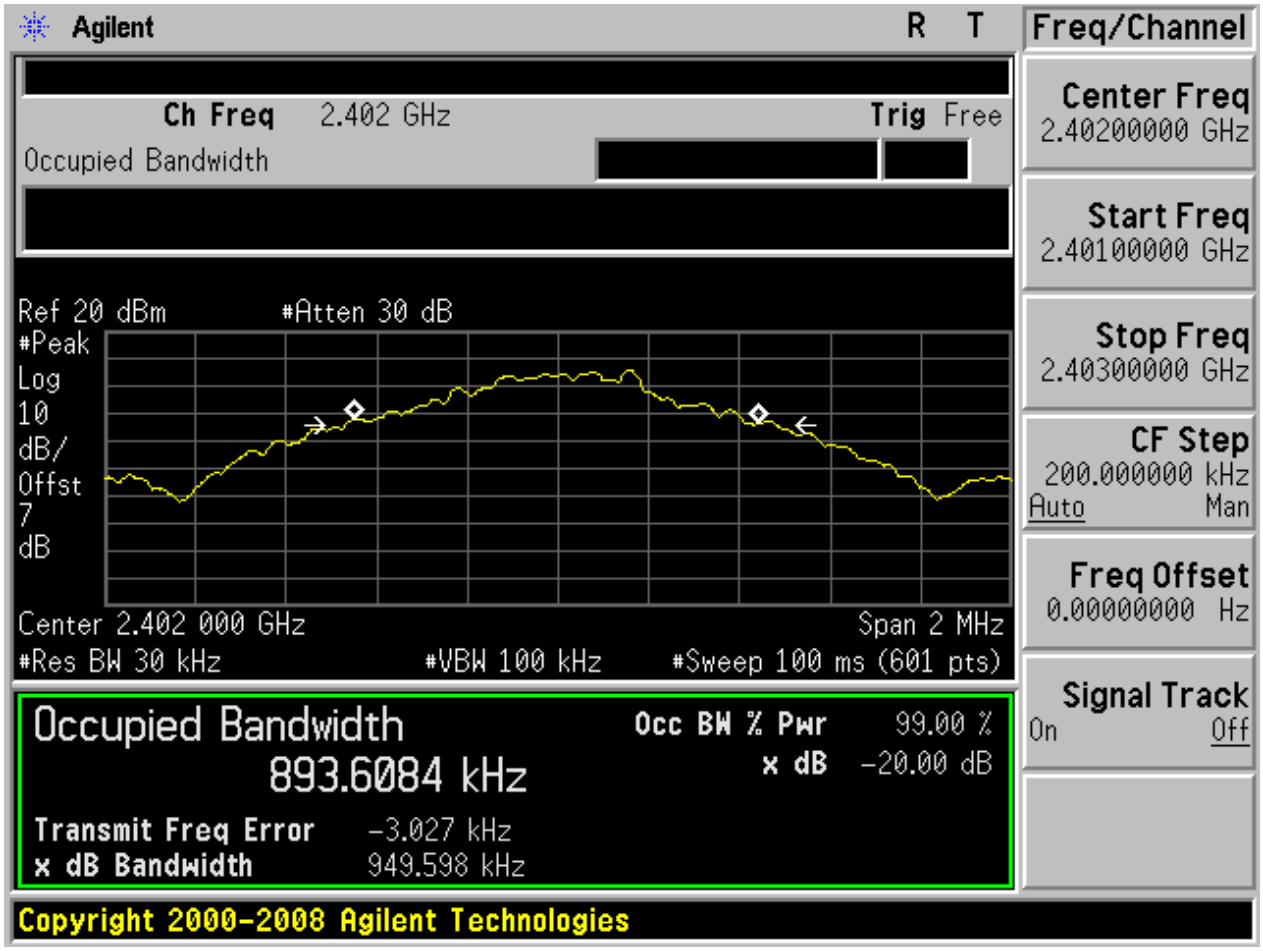
2 Test Plot

2.1 TM1_DH5_Ch0



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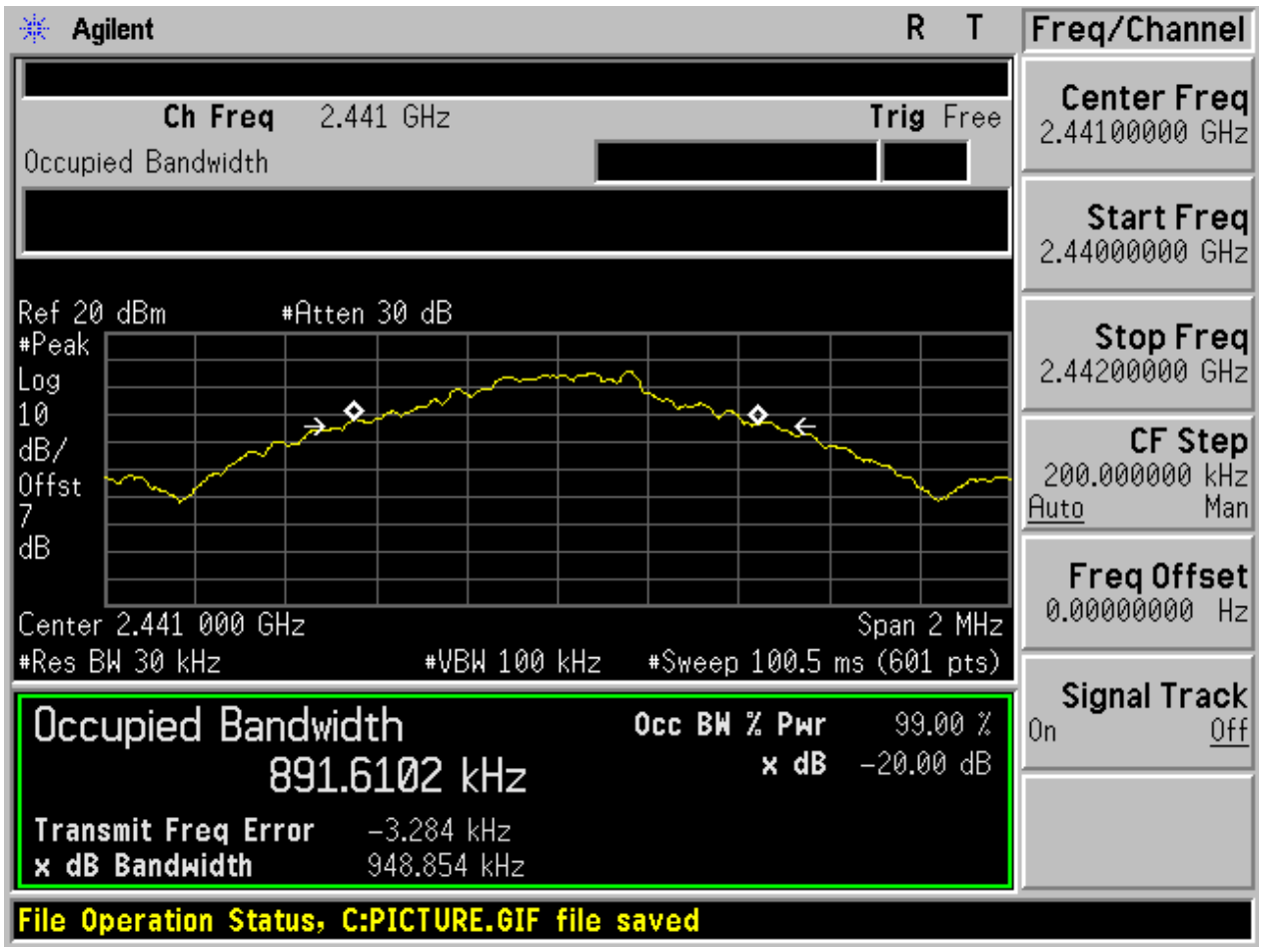
2.2 TM1_DH5_Ch39



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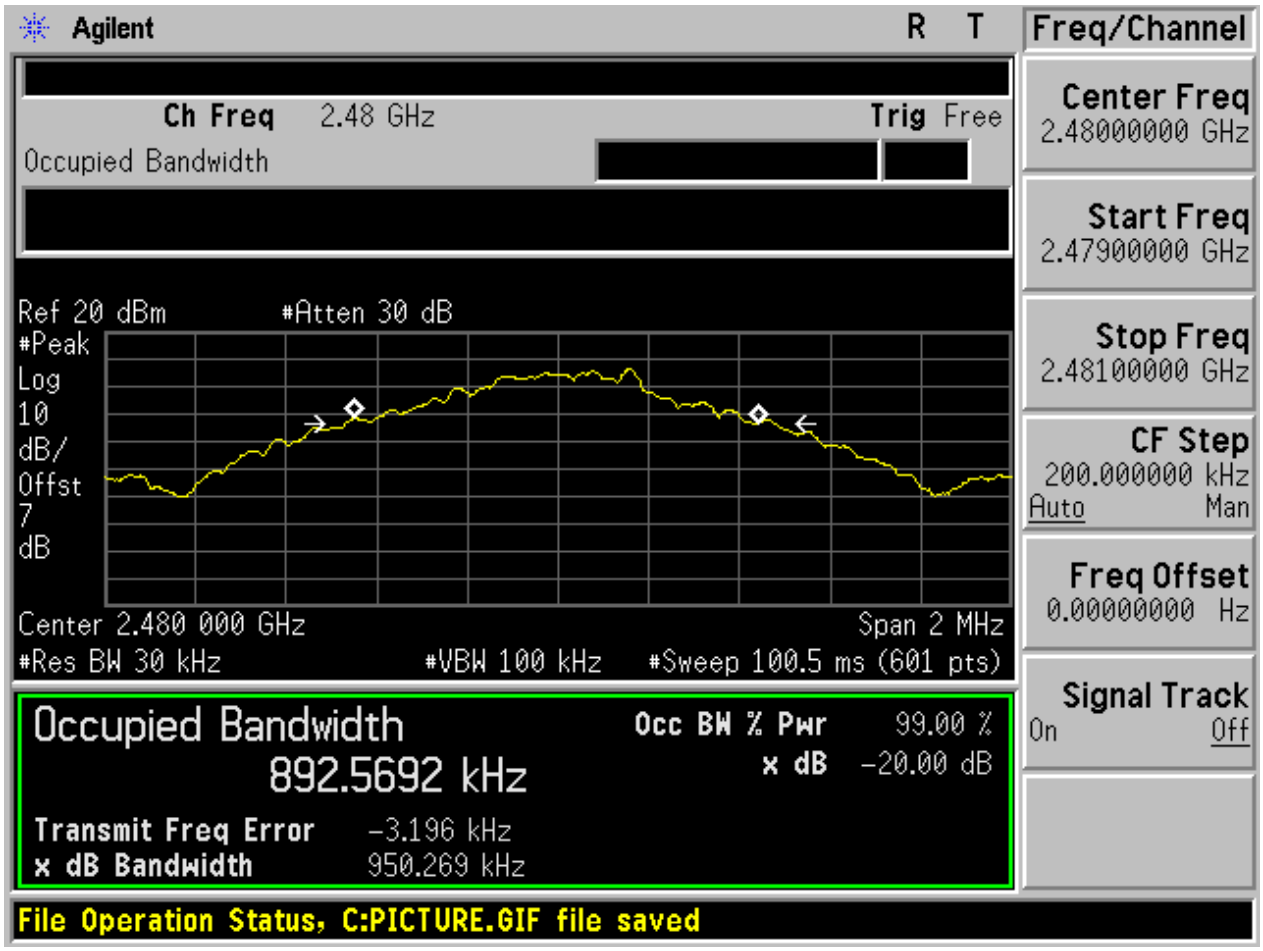
2.3 TM1_DH5_Ch78



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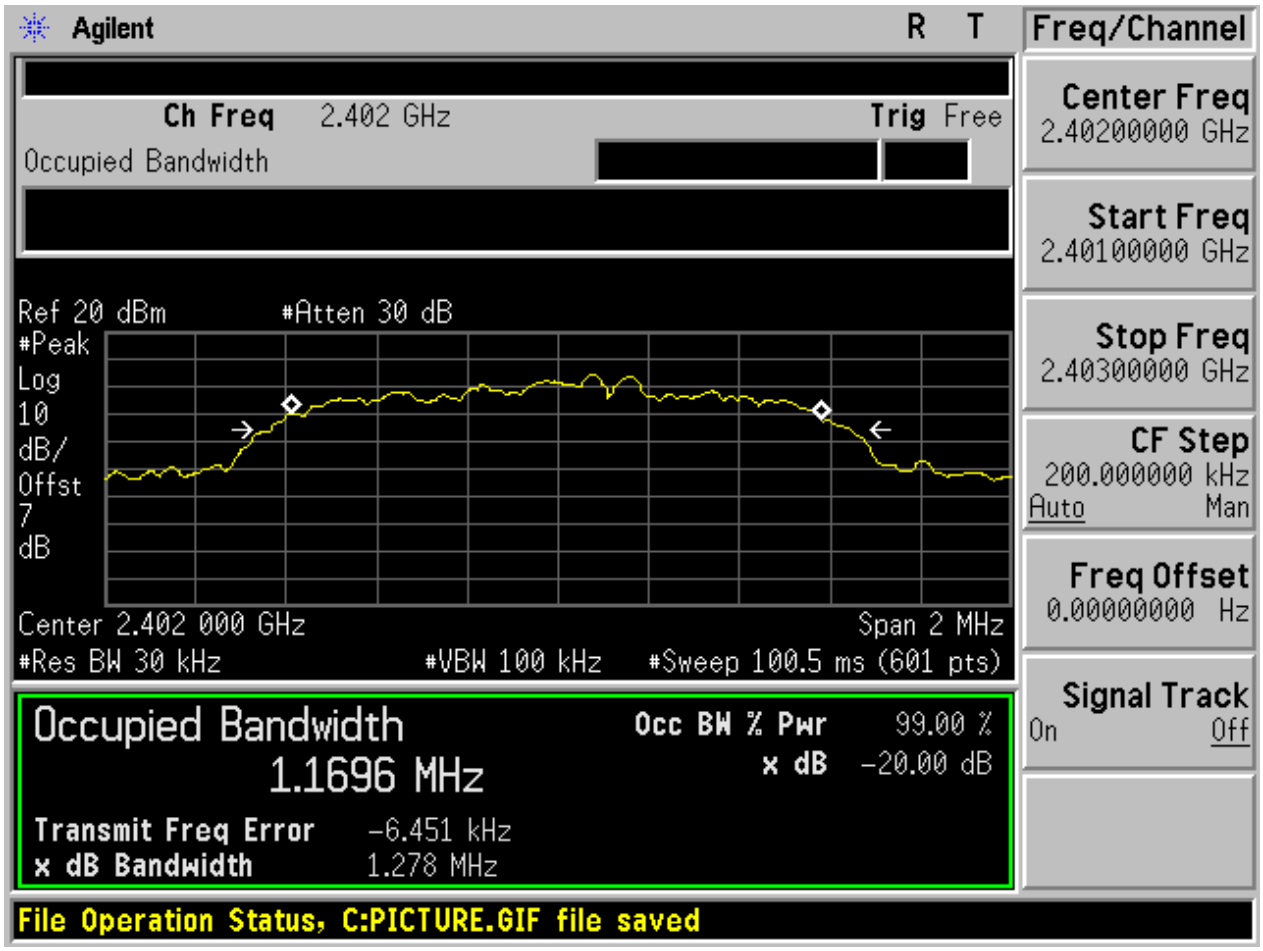
2.4 TM2_2DH5_Ch0



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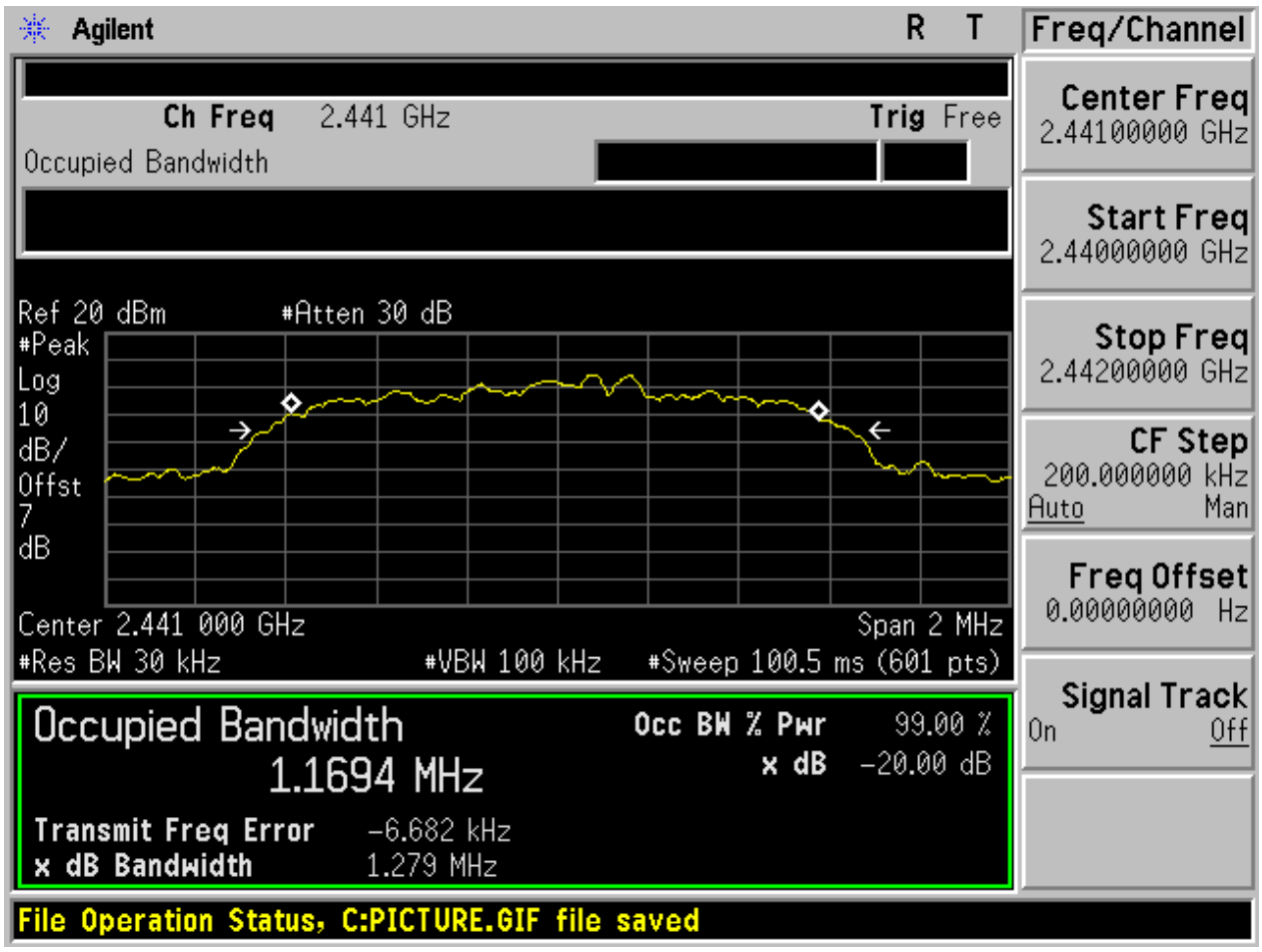
2.5 TM2_2DH5_Ch39



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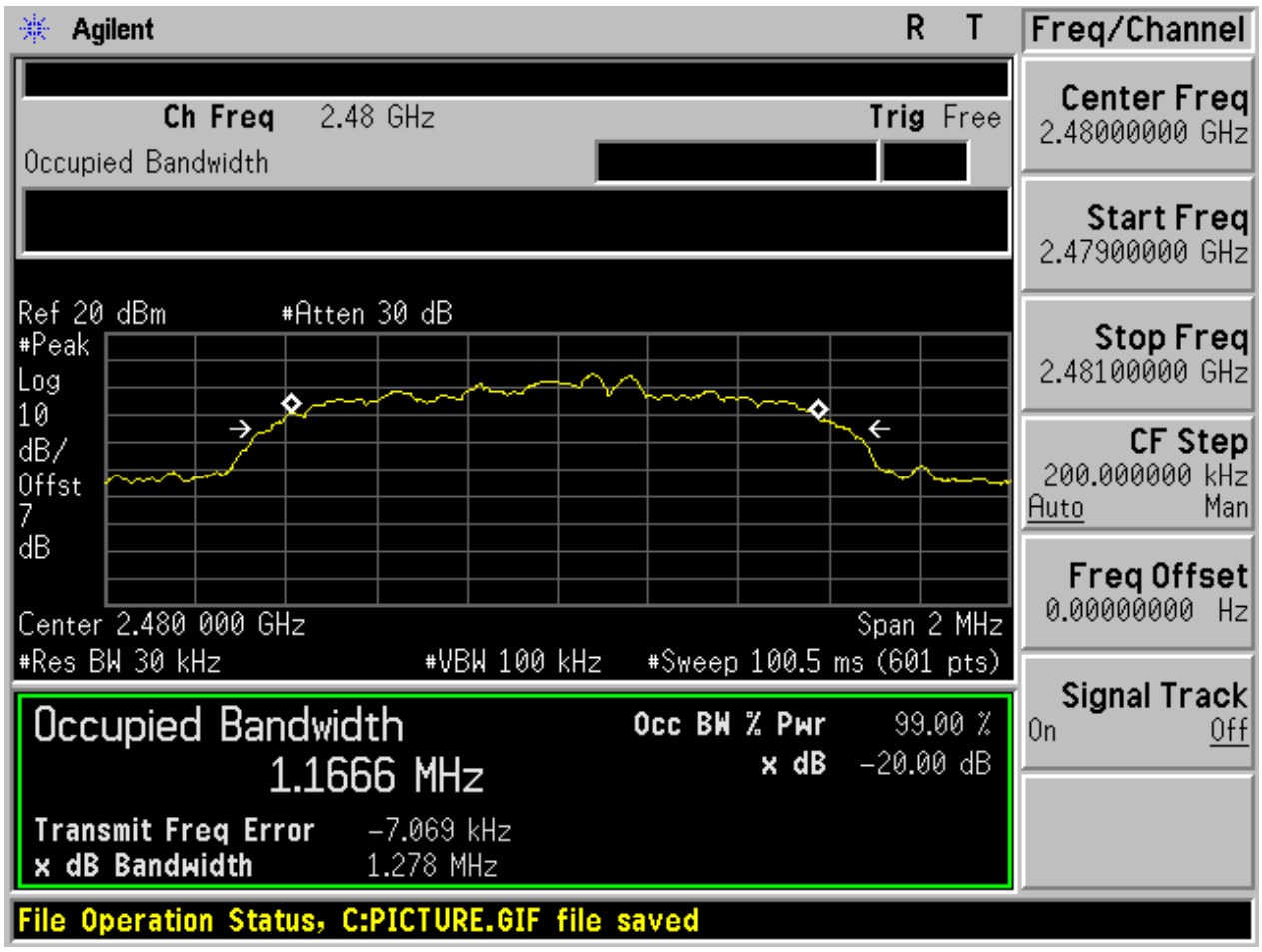
2.6 TM2_2DH5_Ch78



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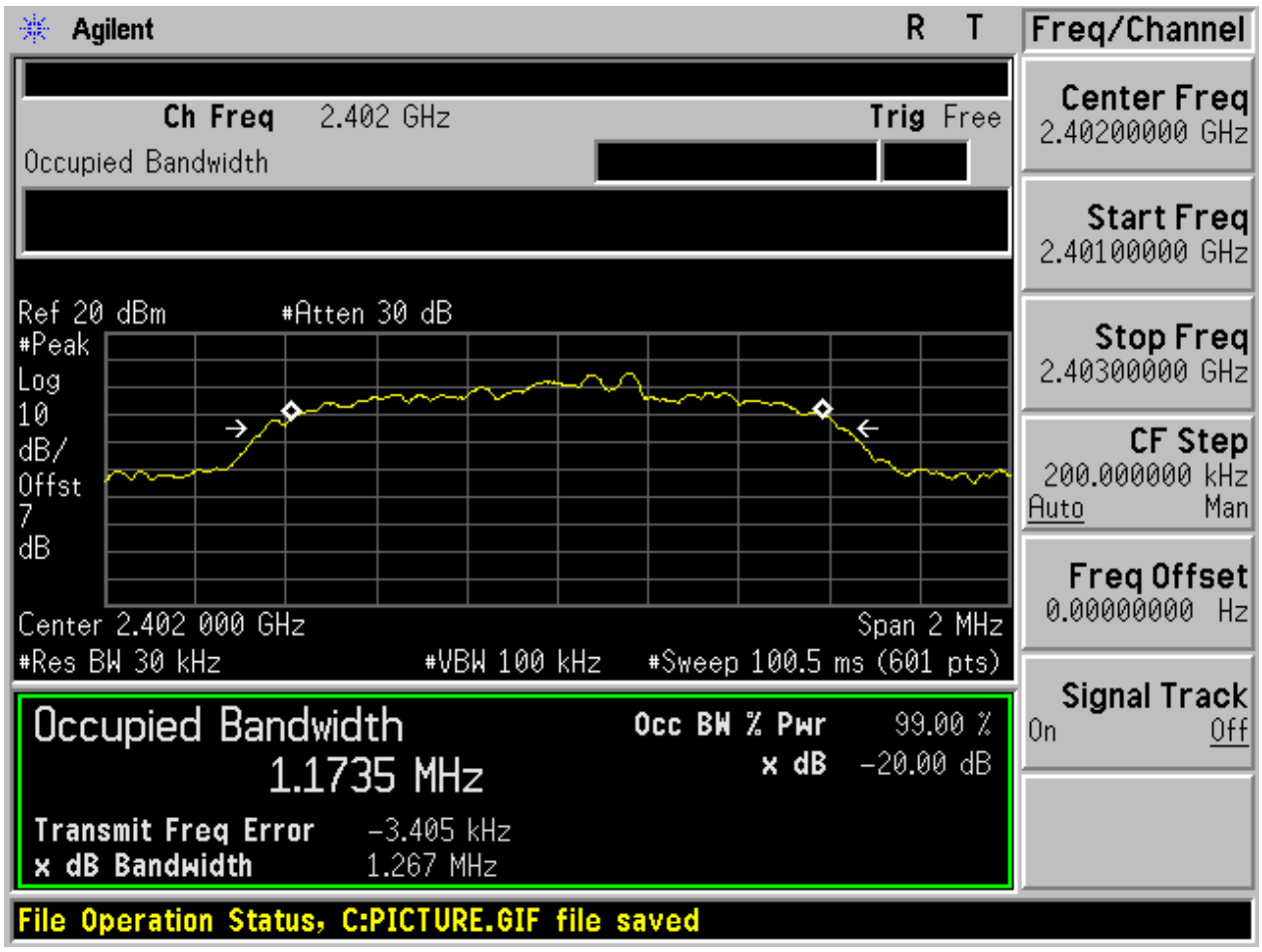
2.7 TM3_3DH5_Ch0



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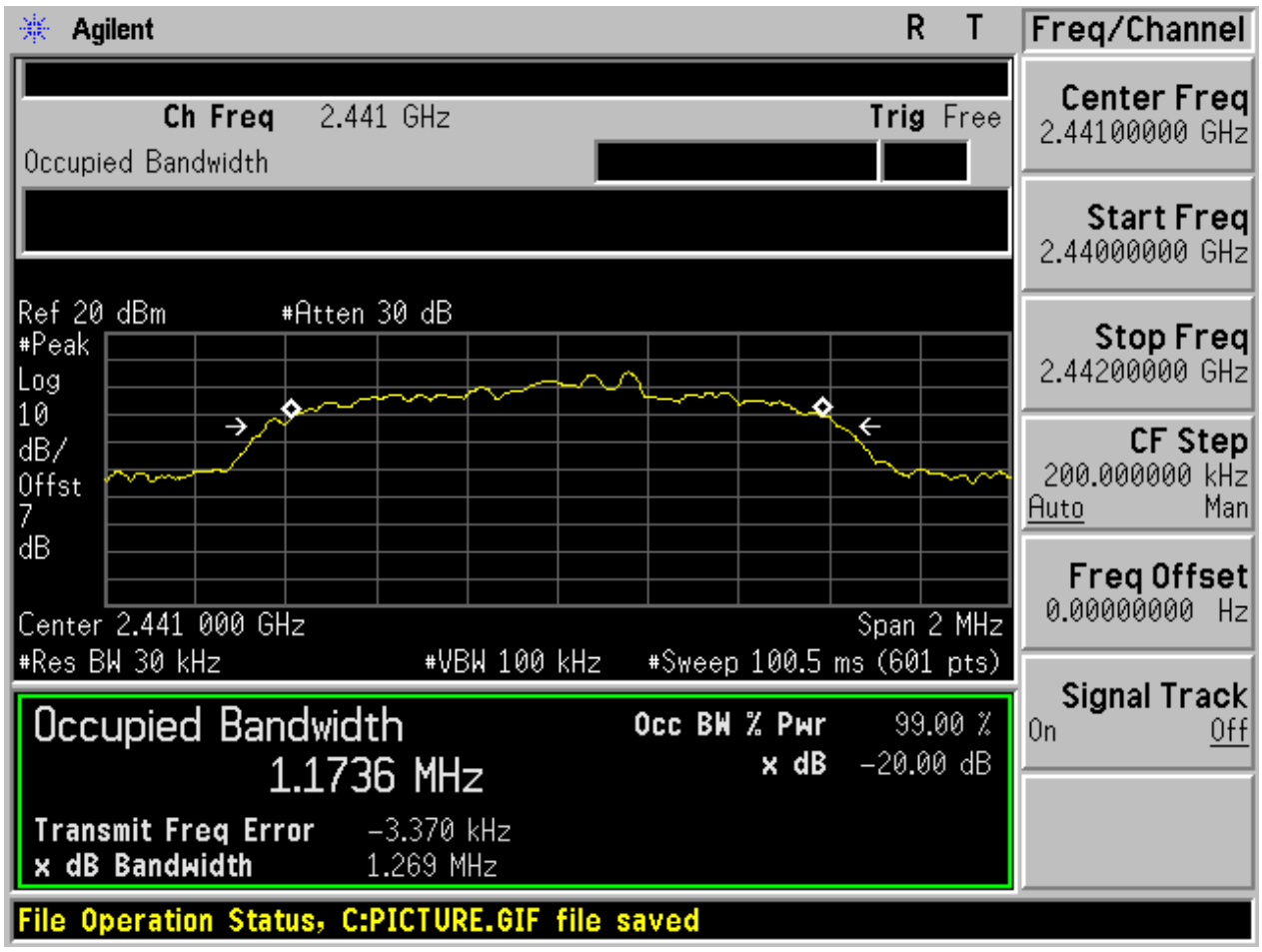
2.8 TM3_3DH5_Ch39



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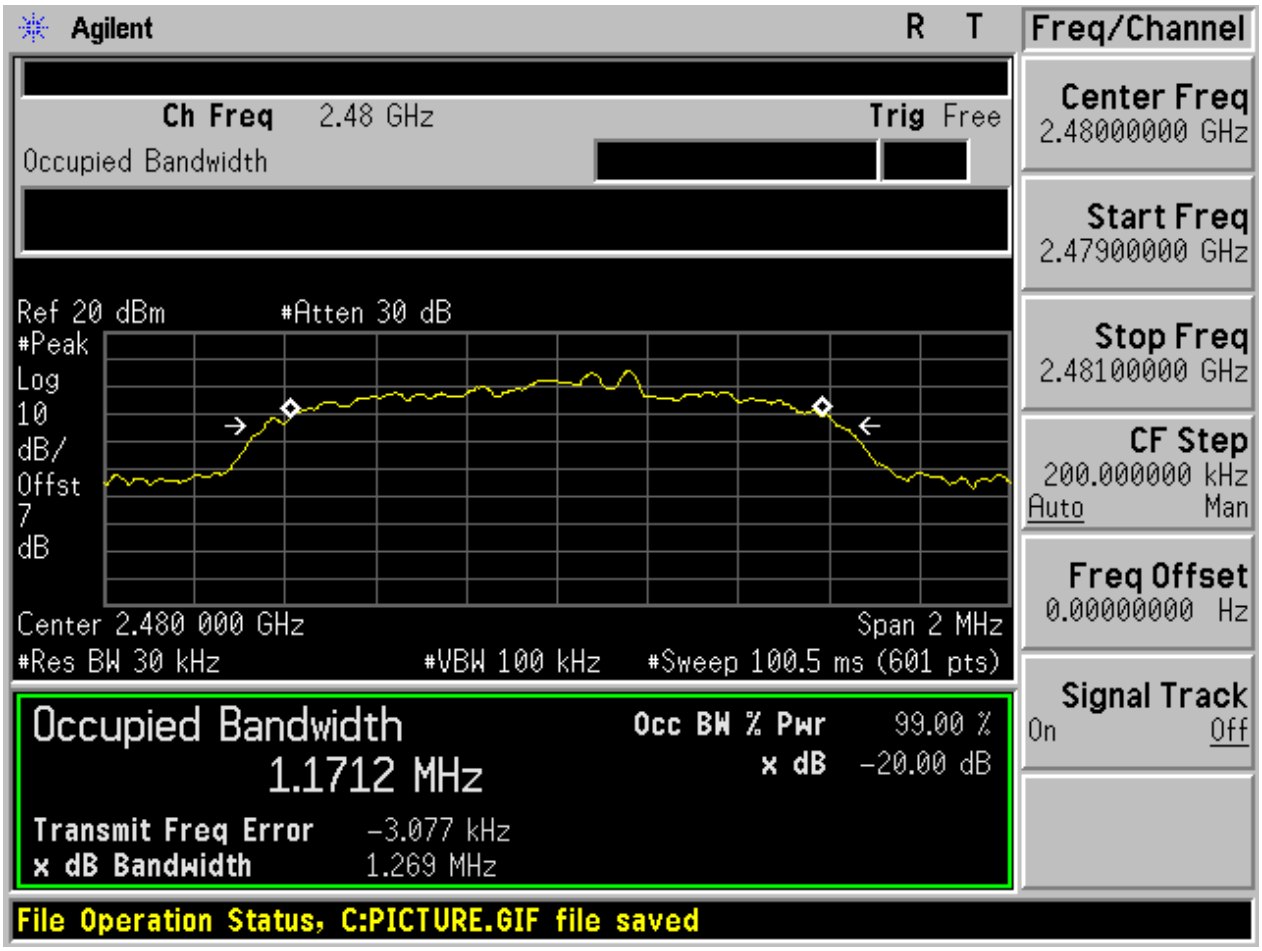
2.9 TM3_3DH5_Ch78



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Appendix B: Carrier Frequency Separation

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1 Result Table

EUT Conf.	Carrier Frequency Separation [MHz]	Verdict
TM1_DH5_Hop	1.000	Pass
TM2_2DH5_Hop	1.050	Pass
TM3_3DH5_Hop	1.050	Pass

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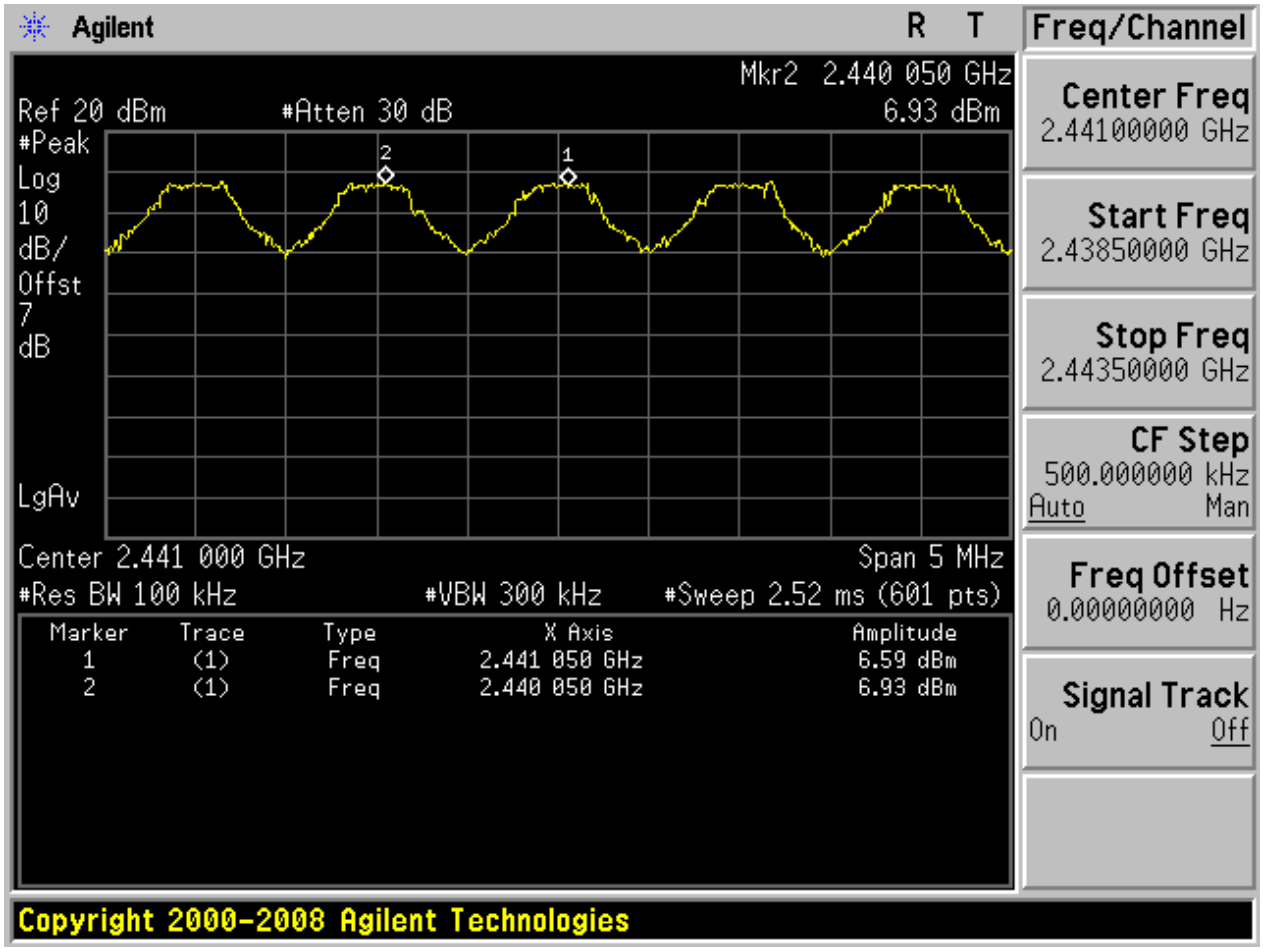
2 Test Plot

2.1 TM1_DH5_Hop



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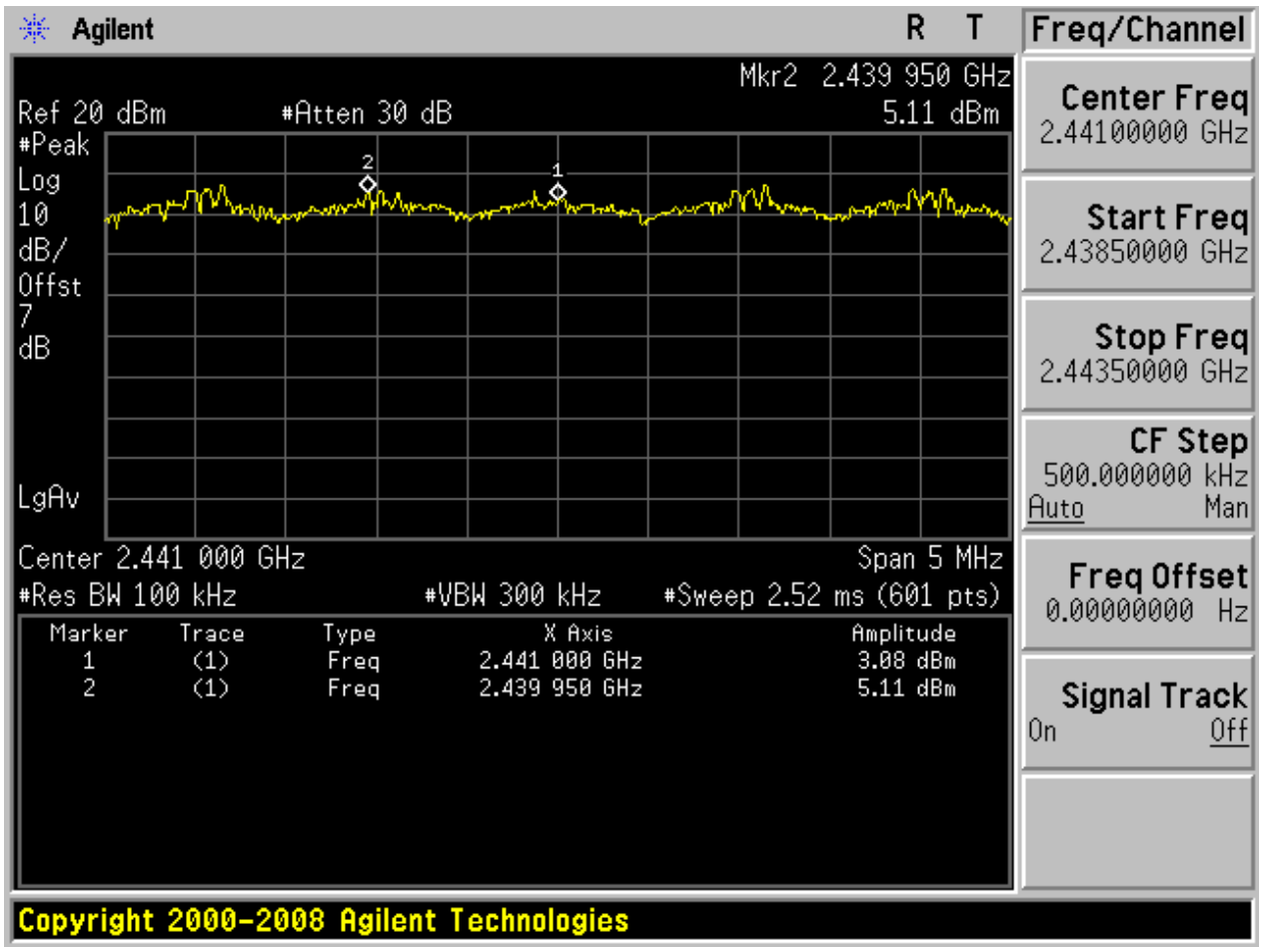
2.2 TM2_2DH5_Hop



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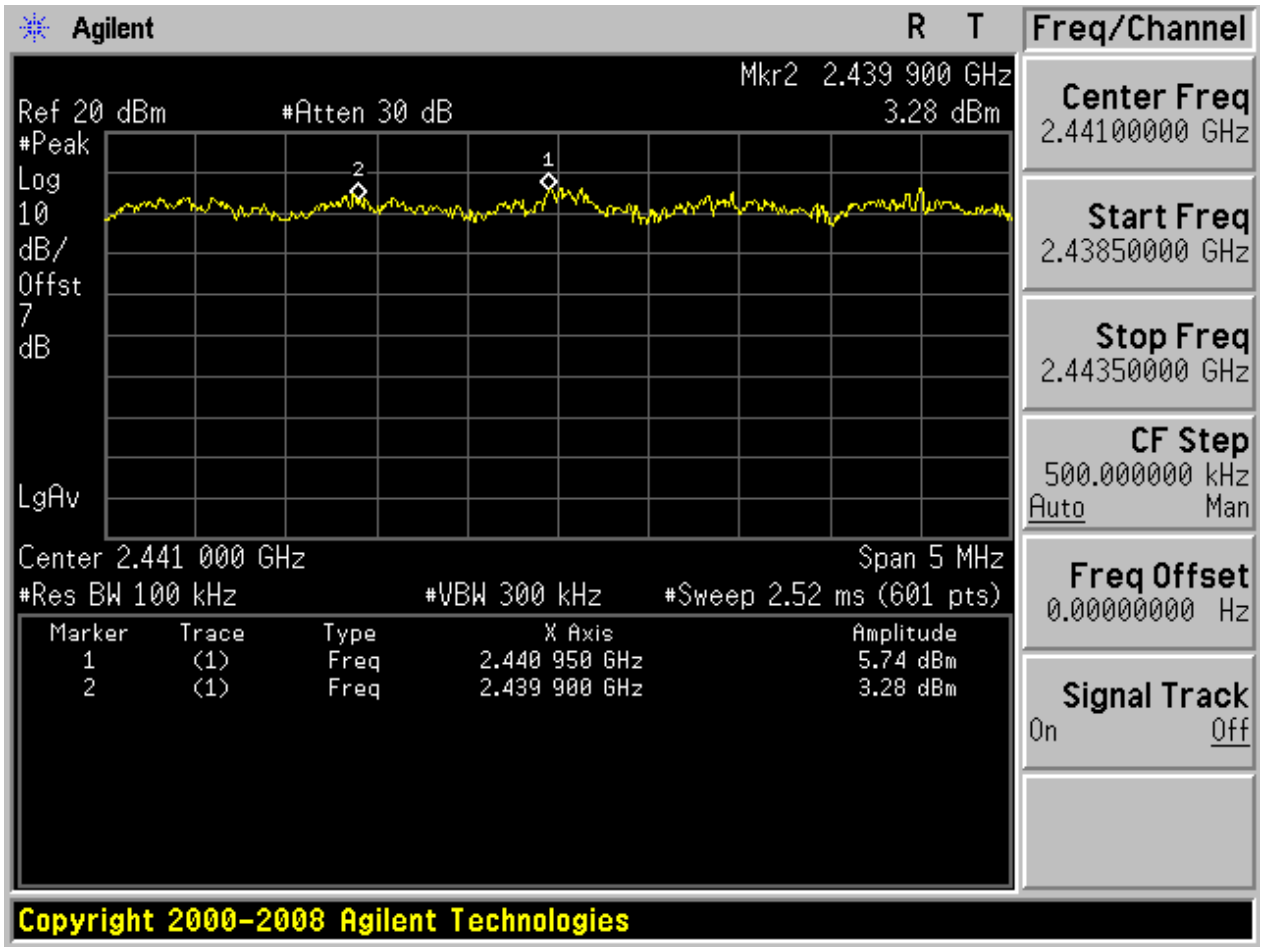
2.3 TM3_3DH5_Hop



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Appendix C: Number of Hopping Channel

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1 Result Table

EUT Conf.	Number of Hopping Channel	Verdict
TM1_DH5_Hop	79	Pass
TM2_2DH5_Hop	79	Pass
TM3_3DH5_Hop	79	Pass

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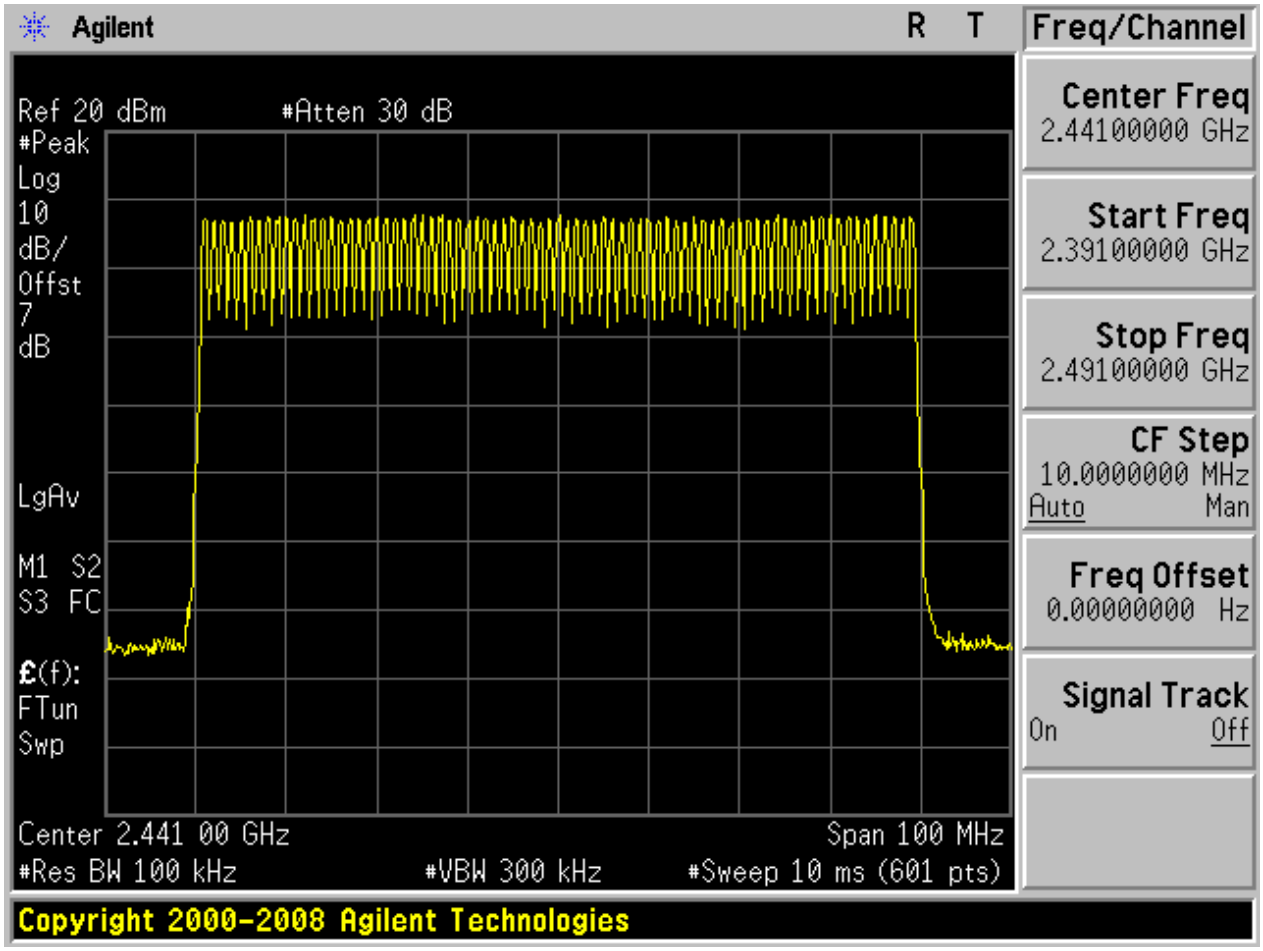
2 Test Plot

2.1 TM1_DH5_Hop



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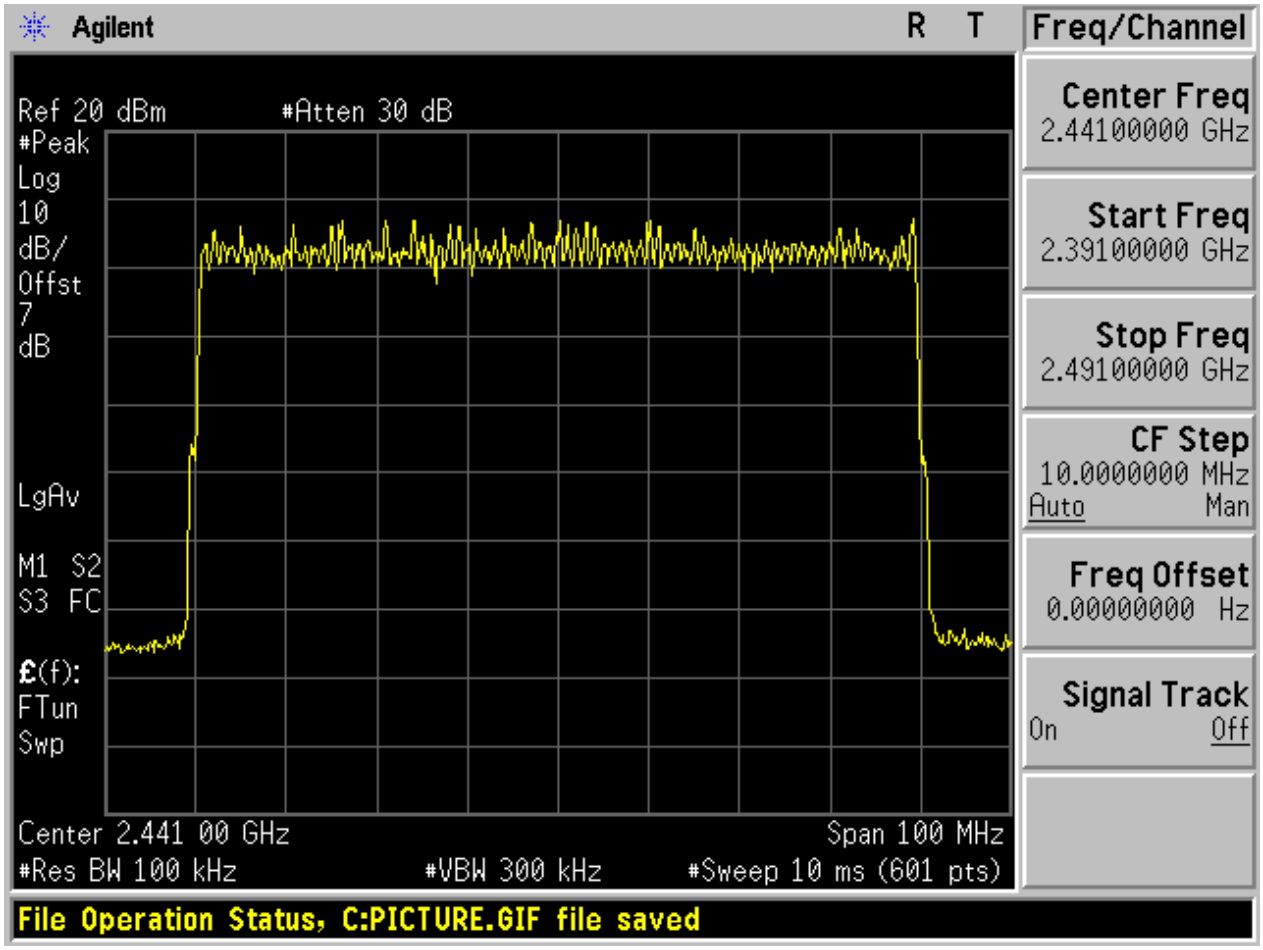
2.2 TM2_2DH5_Hop



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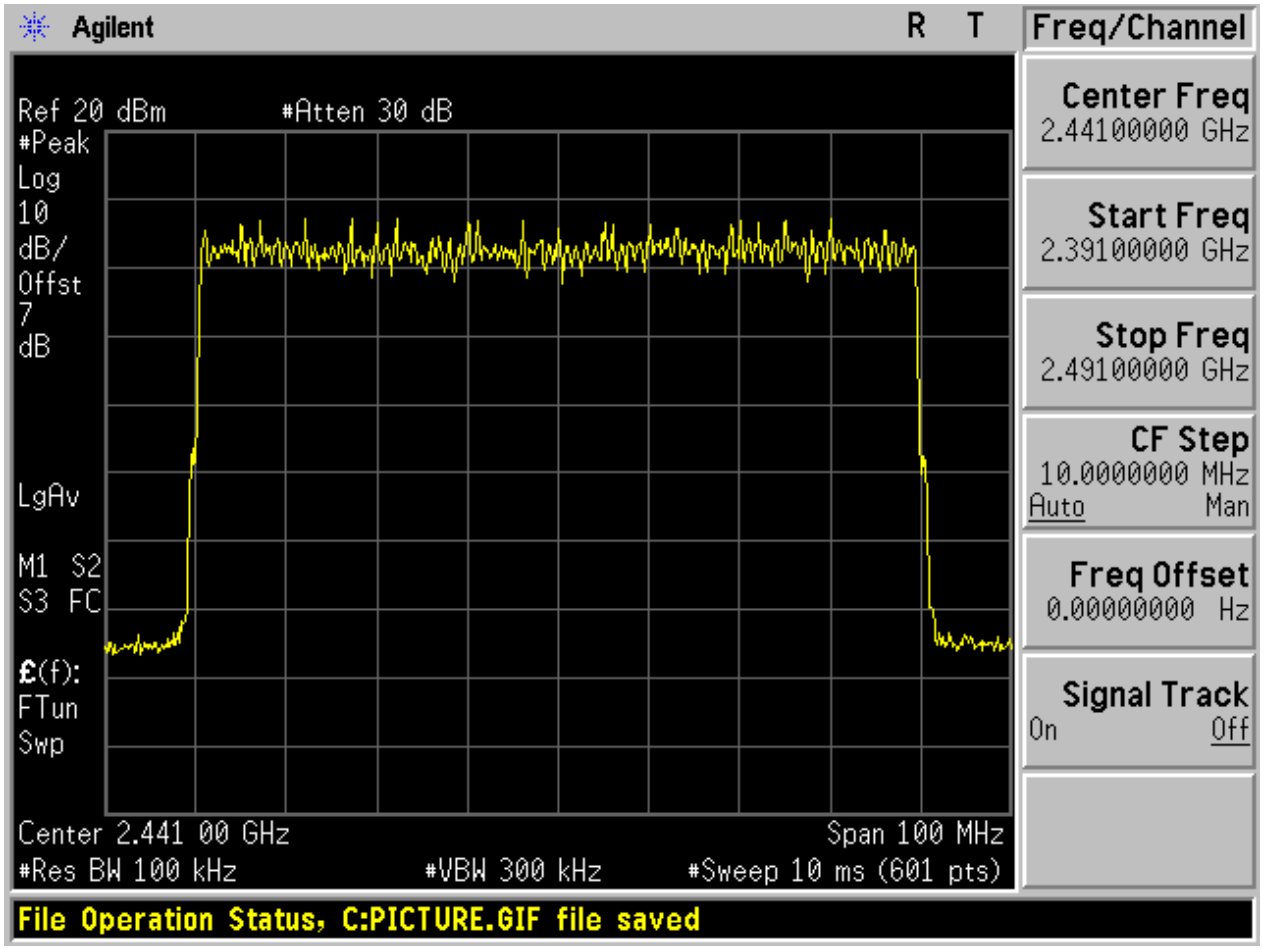
2.3 TM3_3DH5_Hop



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Appendix D: Time of Occupancy (Dwell Time)

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1 Result Table

The Dwell Time = Burst Width * Total Hops. The detailed calculations are showed as follows:

- The duration for dwell time calculation: 0.4 [s] * hopping number = 0.4 [s] * 79 [ch] = 31.6 [s*ch];
- The burst width [ms/hop/ch], which is directly measured, refers to the duration on one channel hop.
- The hops per second for all channels: The selected EUT Conf uses a slot type of 5-Tx&1-Rx and a hopping rate of 1600 [ch*hop/s] for all channels. So the final hopping rate for all channels is 1600 / 6 = 266.67 [ch*hop/s];
- The hops per second on one channel: 266.67 [ch*hop/s] / 79 [ch] =3.38 [hop/s];
- The total hops for all channels within the dwell time calculation duration: 3.38 [hop/s] * 31.6 [s*ch] = 106.67 [hop*ch];
- The dwell time for all channels hopping: 106.67 [hop*ch] * Burst Width [ms/hop/ch].

EUT Conf.	Burst Width [ms/hop/ch]	Total Hops [hop*ch]	Dwell Time [ms]	Verdict
TM1_DH5_Ch39	2.900	106.67	0.309	Pass
TM2_2DH5_Ch39	2.900	106.67	0.309	Pass
TM3_3DH5_Ch39	2.900	106.67	0.309	Pass

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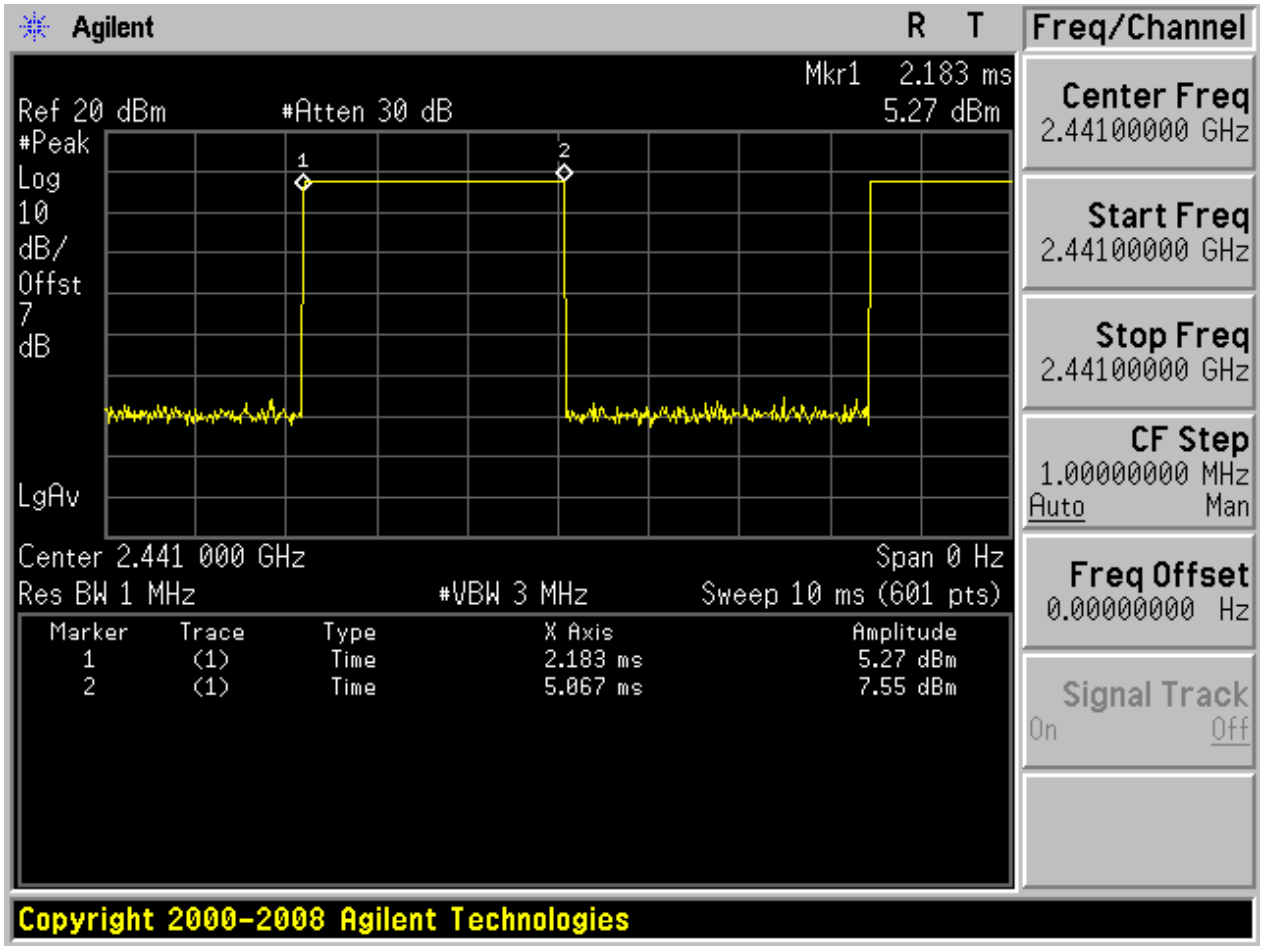
2 Test Plot

NOTE: The test plots are only for Burst Width measurements.

2.1 TM1_DH5_Ch39



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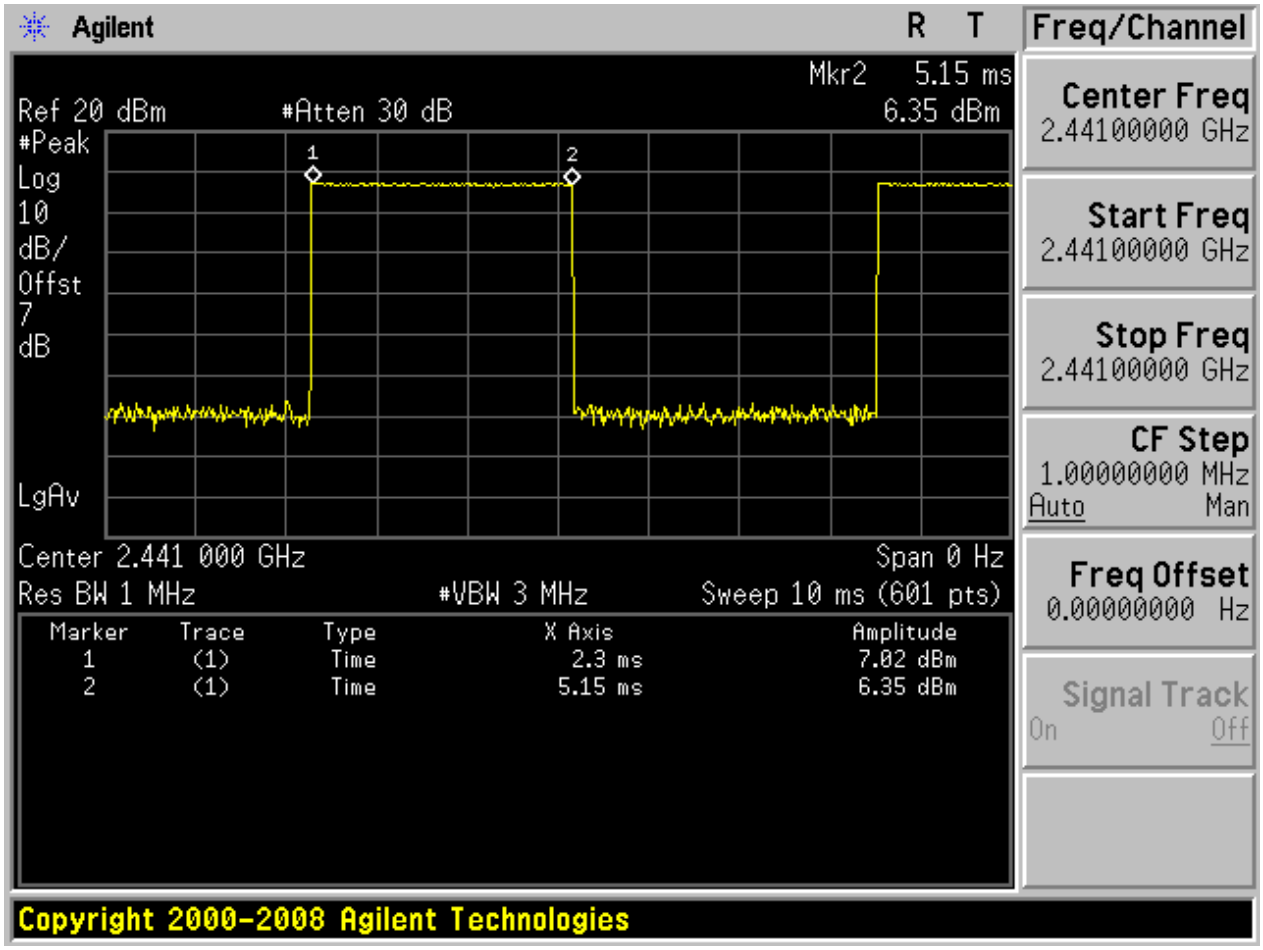
2.2 TM2_2DH5_Ch39



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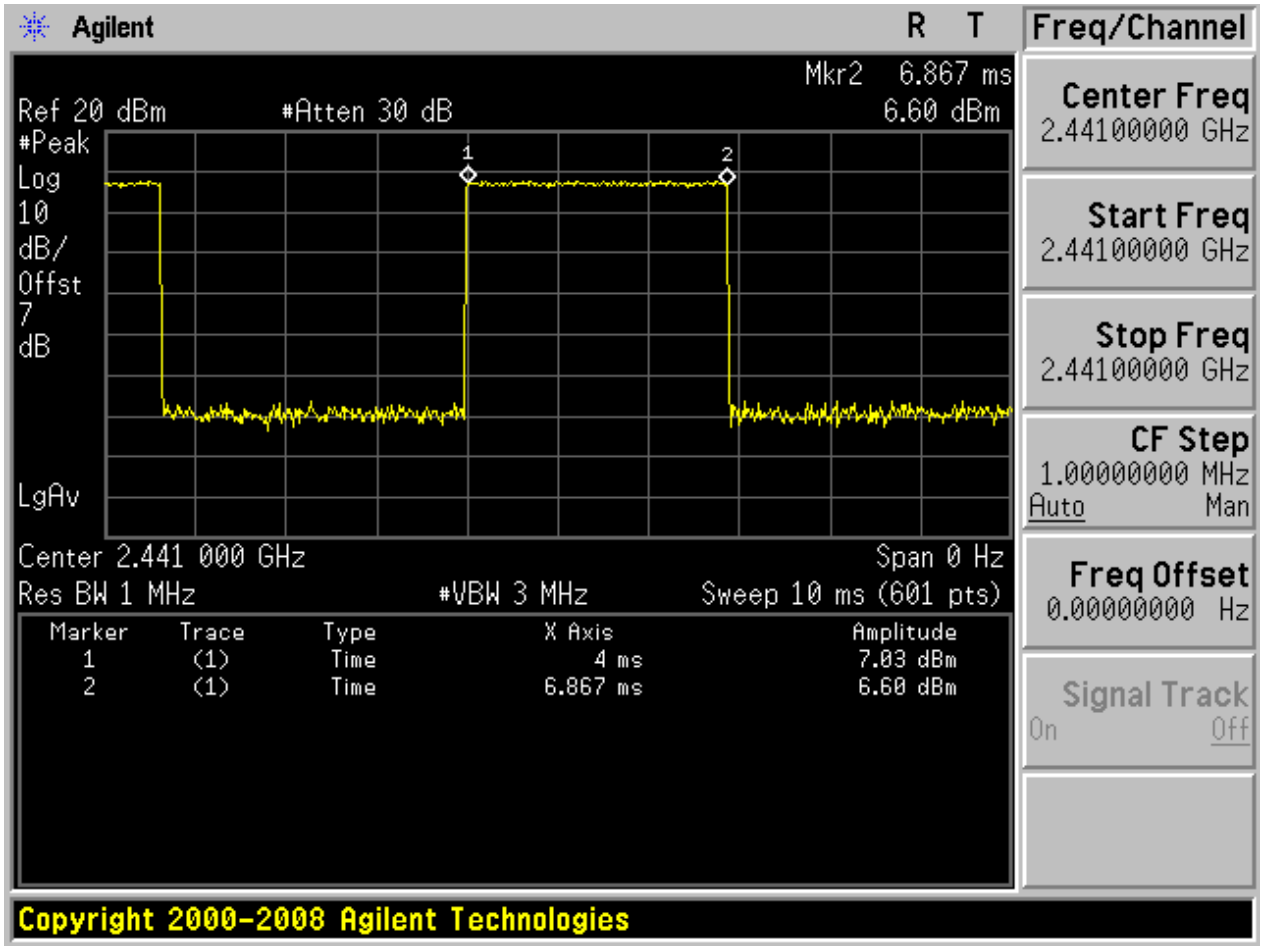
2.3 TM3_3DH5_Ch39



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Appendix E: Maximum Peak Conducted Output Power

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1 Result Table

EUT Conf.	Max. Peak Power [dBm]	Verdict
TM1_DH5_Ch0	7.64	Pass
TM1_DH5_Ch39	7.74	Pass
TM1_DH5_Ch78	7.97	Pass
TM2_2DH5_Ch0	7.42	Pass
TM2_2DH5_Ch39	7.52	Pass
TM2_2DH5_Ch78	7.73	Pass
TM3_3DH5_Ch0	7.55	Pass
TM3_3DH5_Ch39	7.67	Pass
TM3_3DH5_Ch78	7.88	Pass

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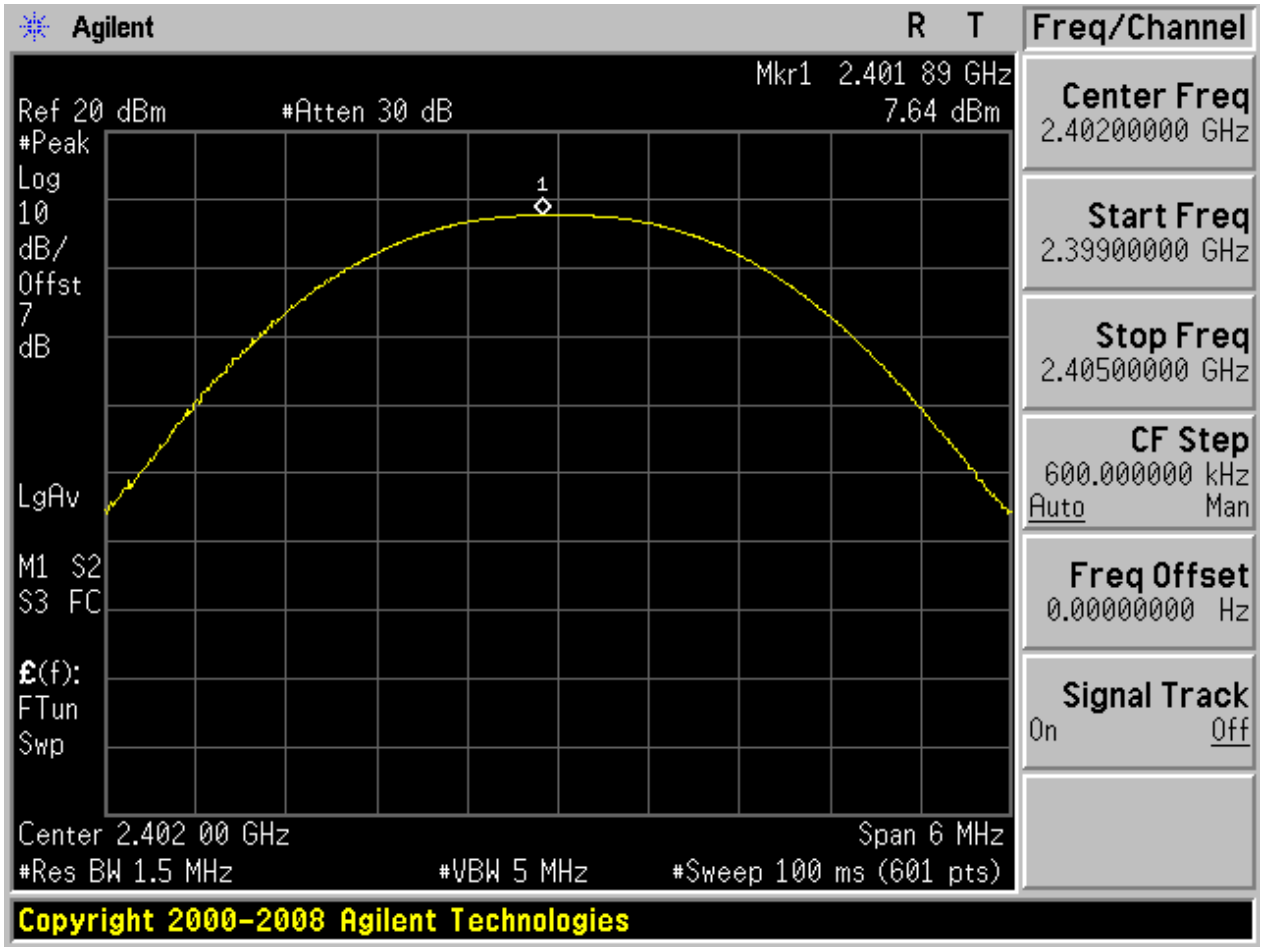
2 Test Plot

2.1 TM1_DH5_Ch0



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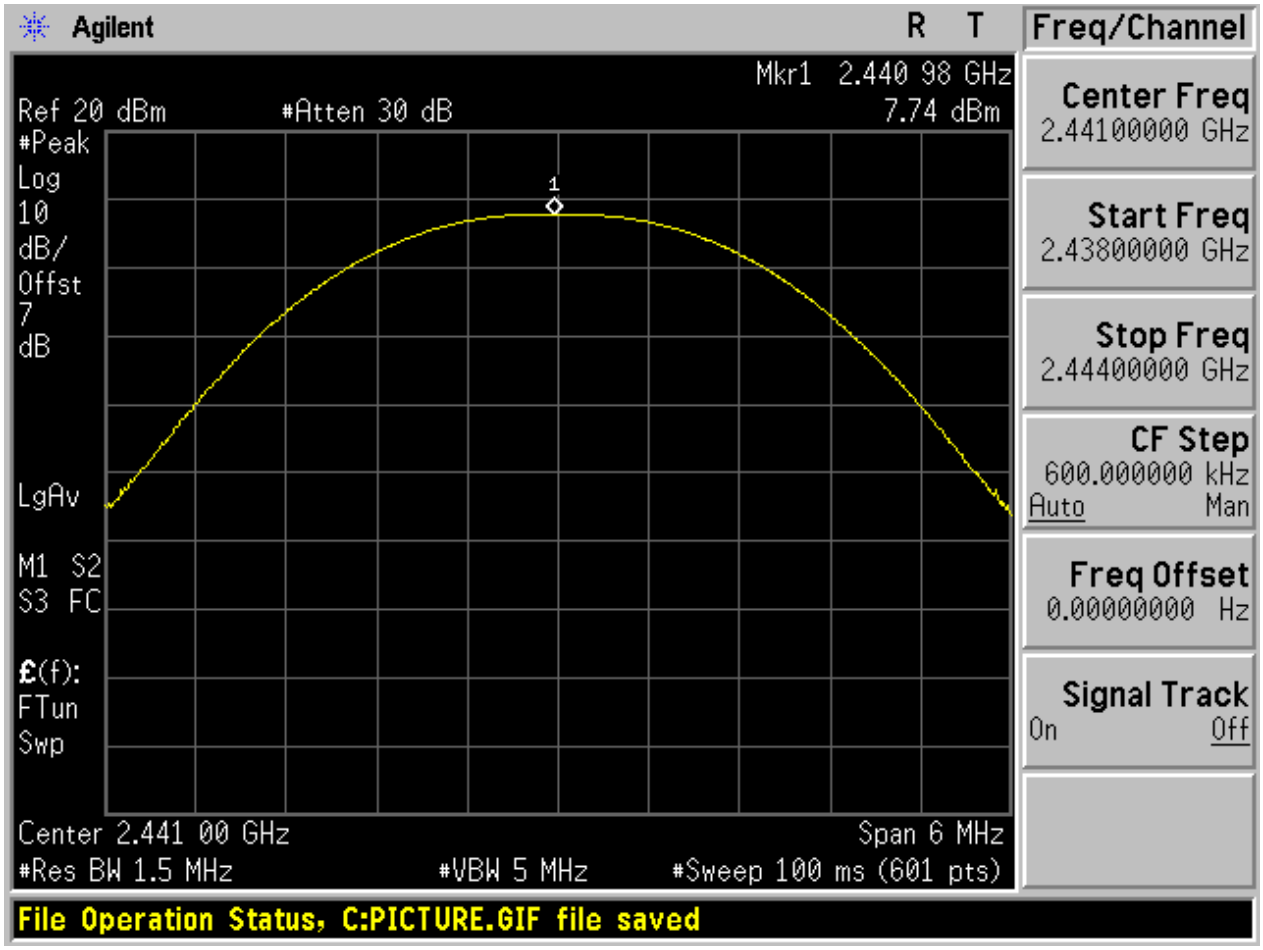
2.2 TM1_DH5_Ch39



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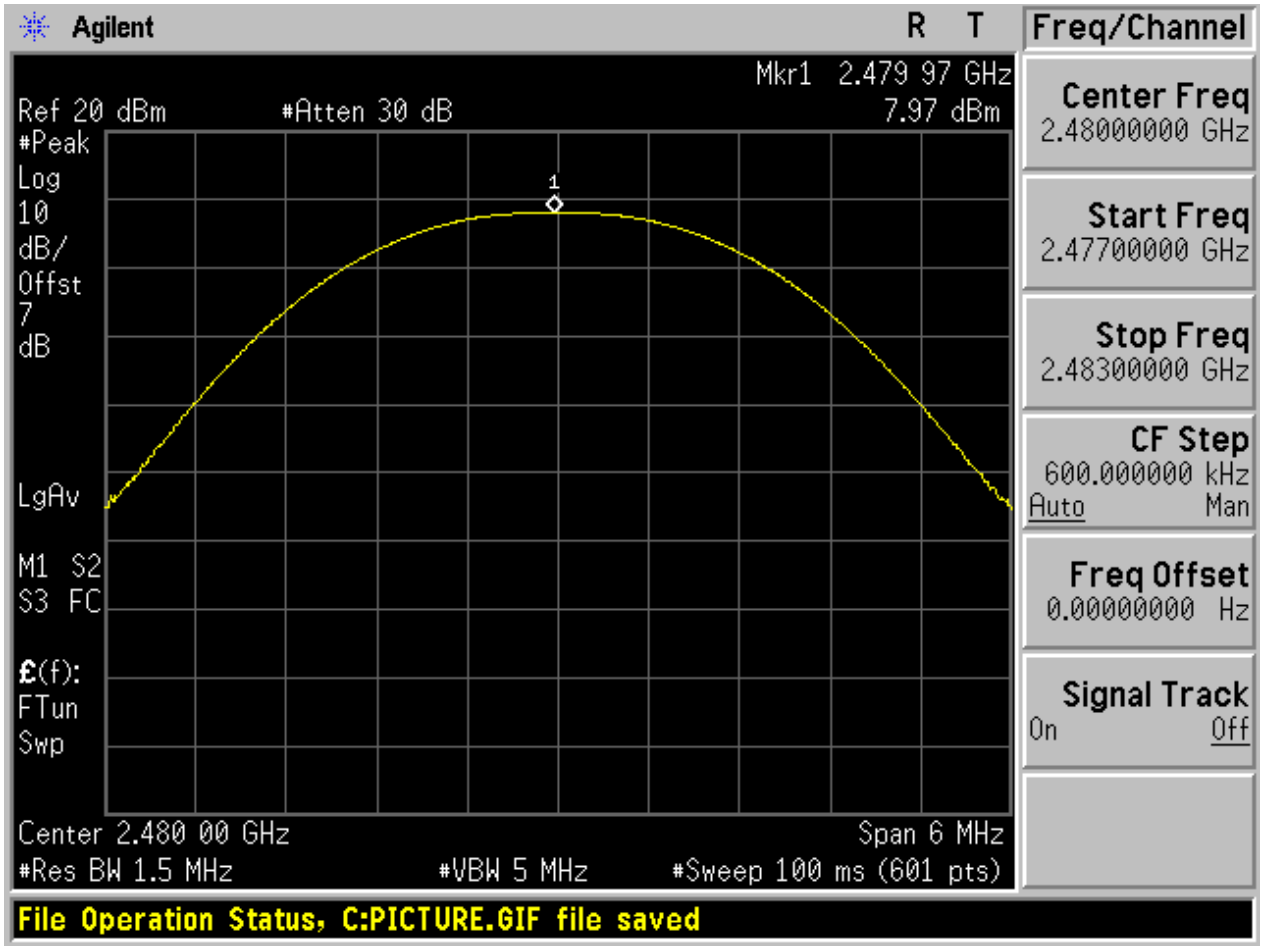
2.3 TM1_DH5_Ch78



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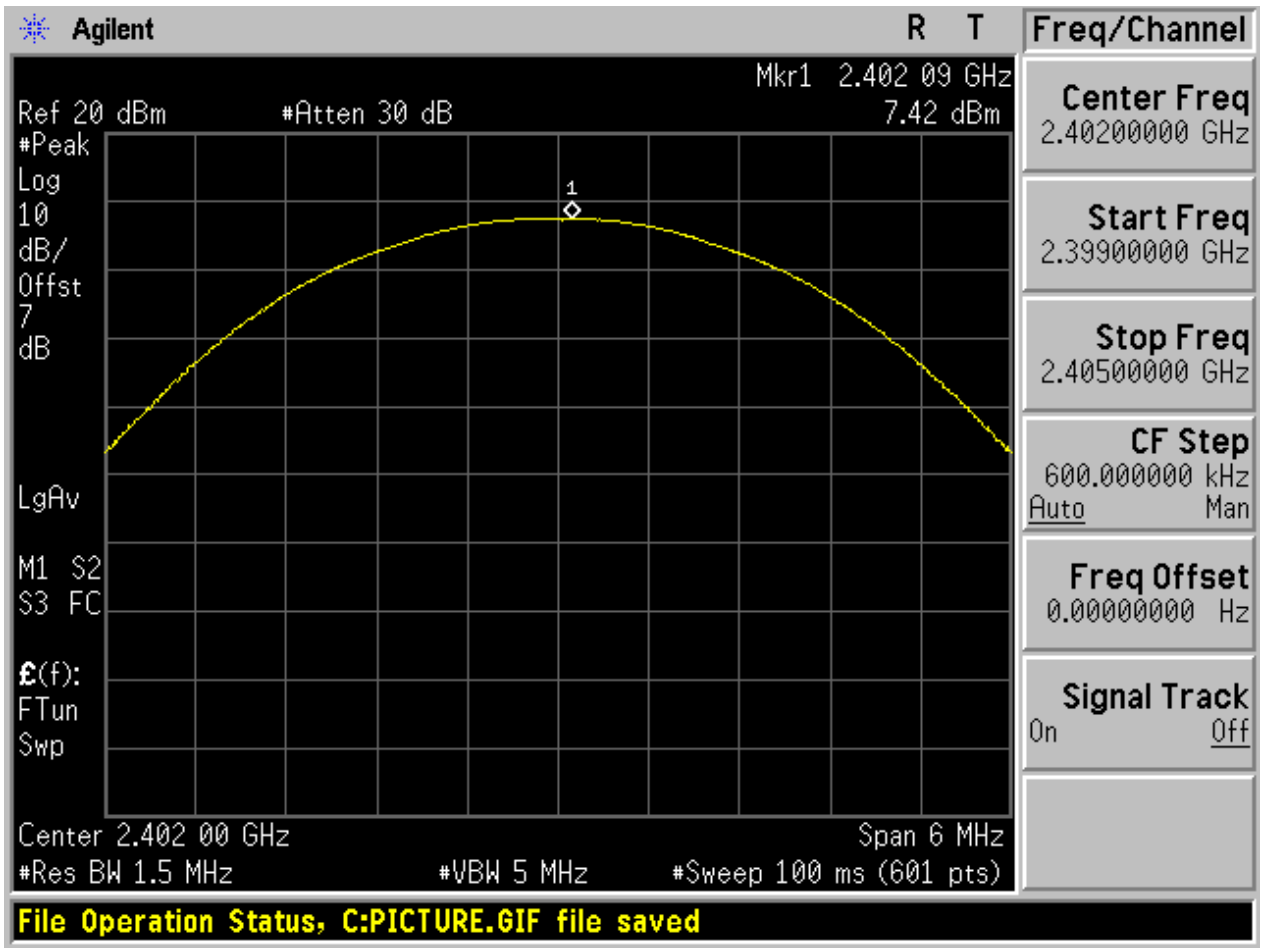
2.4 TM2_2DH5_Ch0



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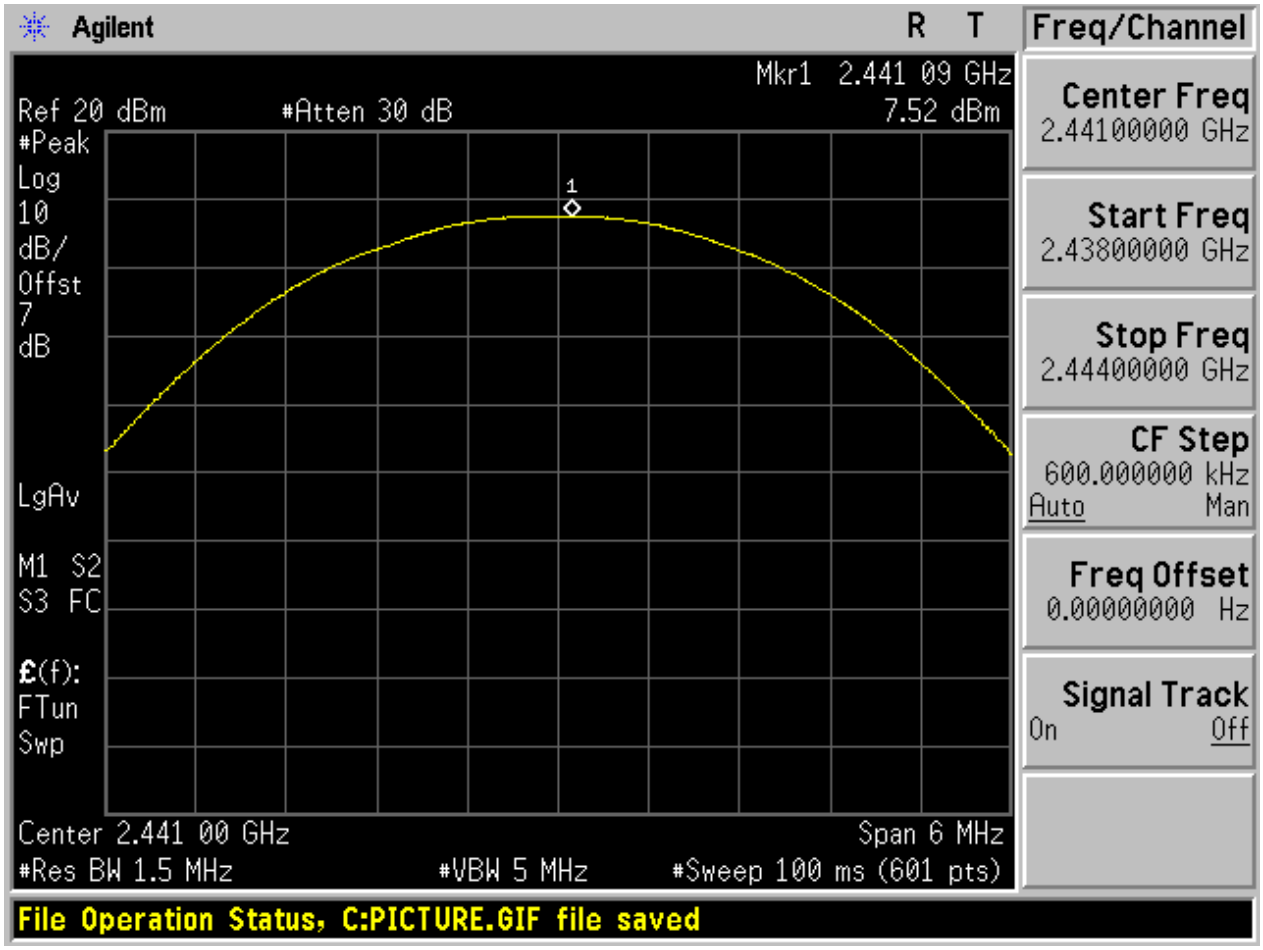
2.5 TM2_2DH5_Ch39



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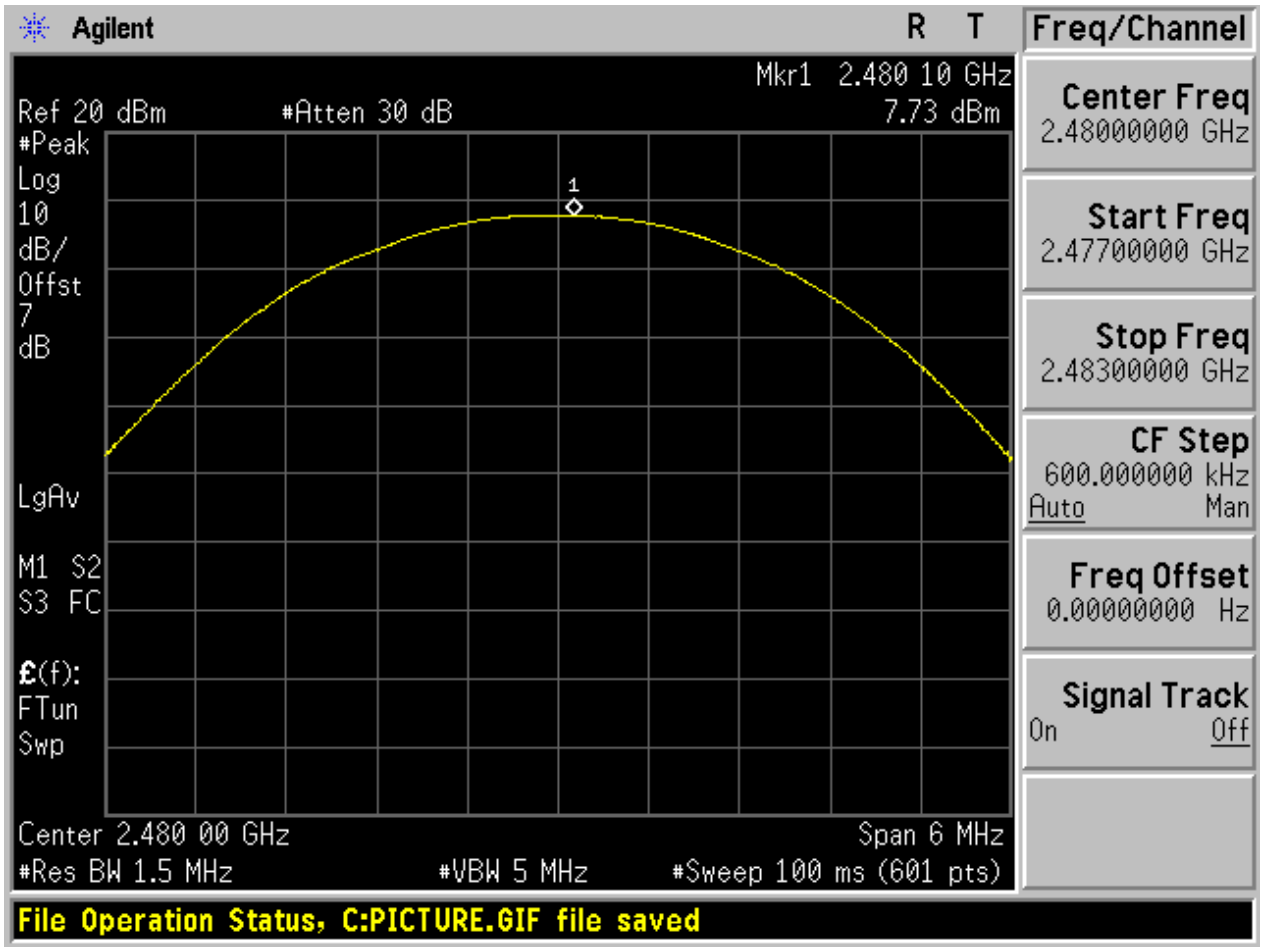
2.6 TM2_2DH5_Ch78



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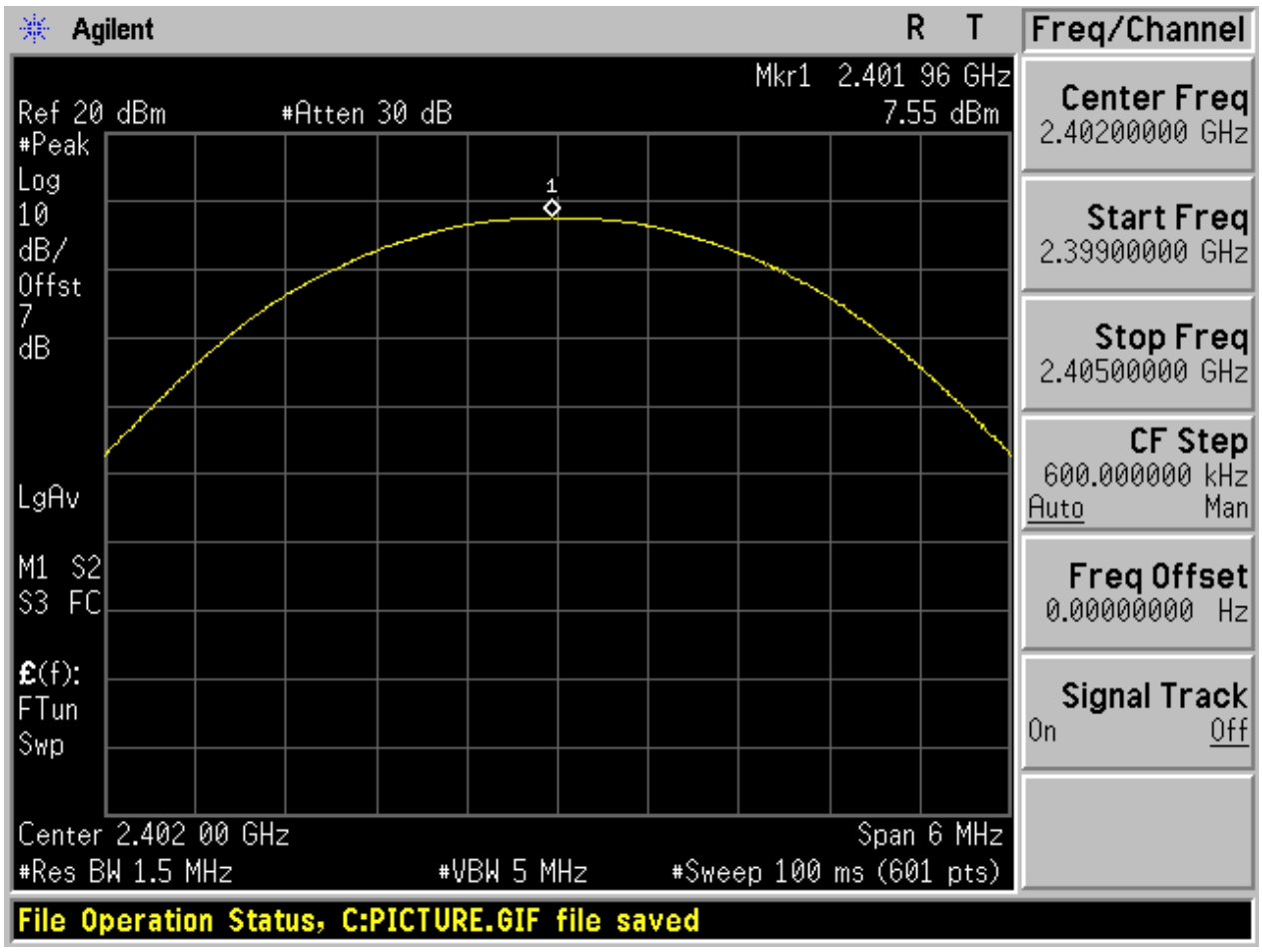
2.7 TM3_3DH5_Ch0



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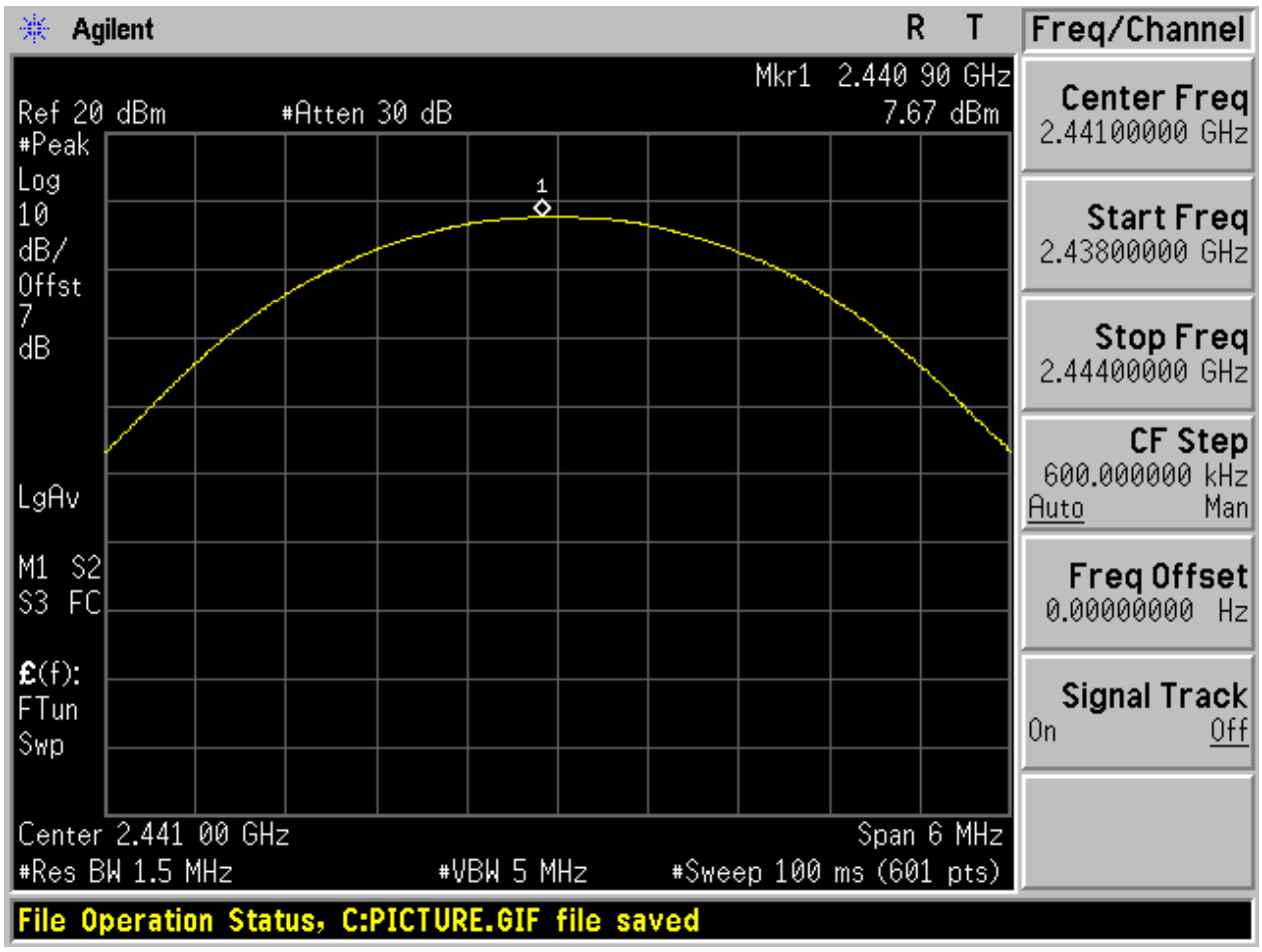
2.8 TM3_3DH5_Ch39



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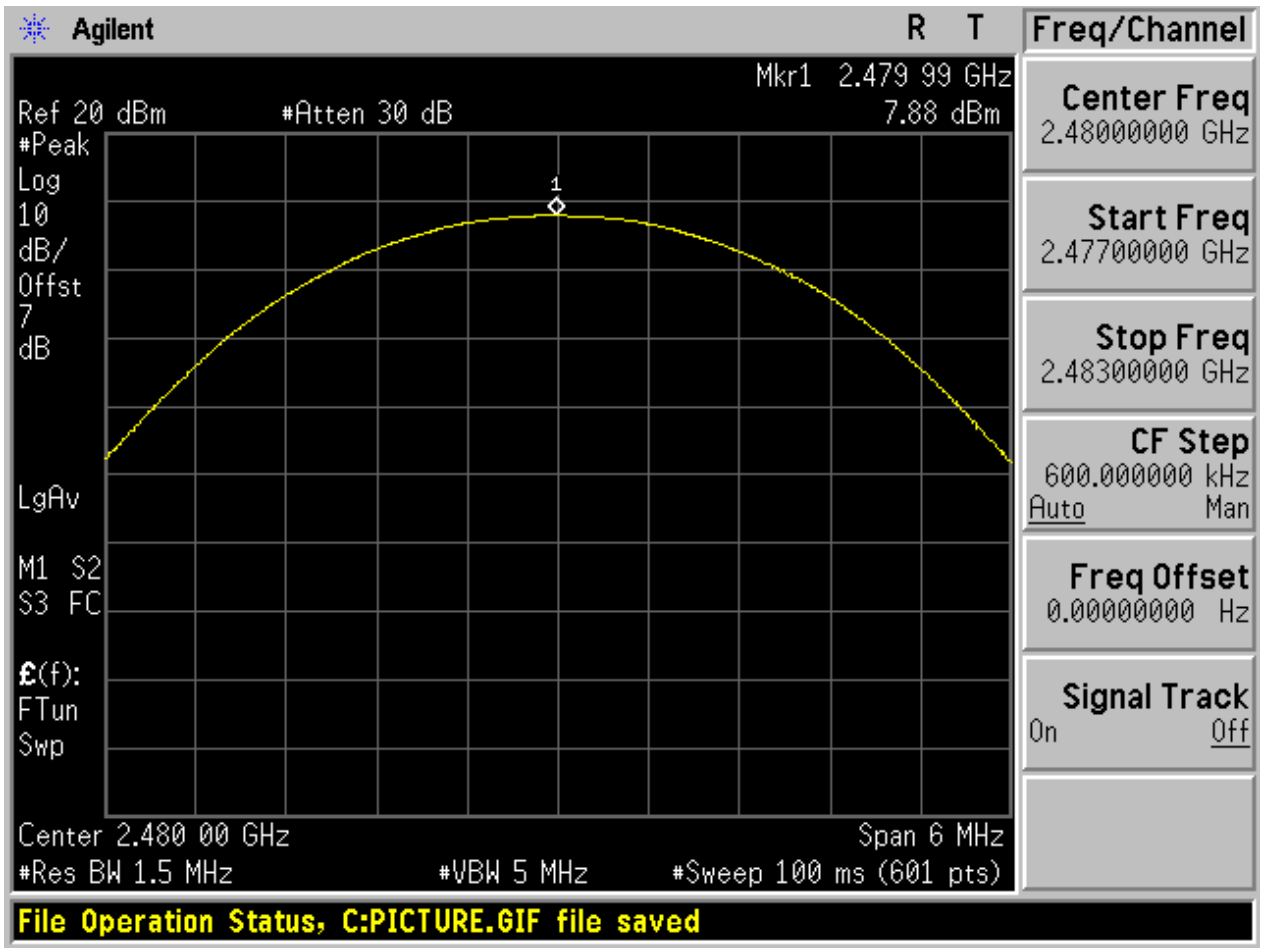
2.9 TM3_3DH5_Ch78



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Appendix F: Band edge spurious emission

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1 Result Table

EUT Conf.	Channel No.	Carrier Frequency [MHz]	Max. Spurious Level [dBm]	Frequency Hopping	Carrier Power [dBm]	Limit [dBm]	Result
TM1_DH5_Ch0	0	2402	-49.21	Off	7.53	-12.47	Pass
	-	-	-53.12	On	7.30	-12.7	Pass
TM1_DH5_Ch78	78	2480	-52.46	Off	7.88	-12.12	Pass
	-	-	-51.96	On	7.51	-12.49	Pass
TM2_2DH5_Ch0	0	2402	-48.13	Off	6.81	-13.19	Pass
	-	-	-52.4	On	6.17	-13.83	Pass
TM2_2DH5_Ch78	78	2480	-51.95	Off	7.13	-12.87	Pass
	-	-	-53.72	On	3.82	-16.18	Pass
TM3_3DH5_Ch0	0	2402	-48.47	Off	6.82	-13.18	Pass
	-	-	-50.33	On	5.43	-14.57	Pass
TM3_3DH5_Ch78	78	2480	-51.09	Off	7.12	-12.88	Pass
	-	-	-53.44	On	6.14	-13.86	Pass

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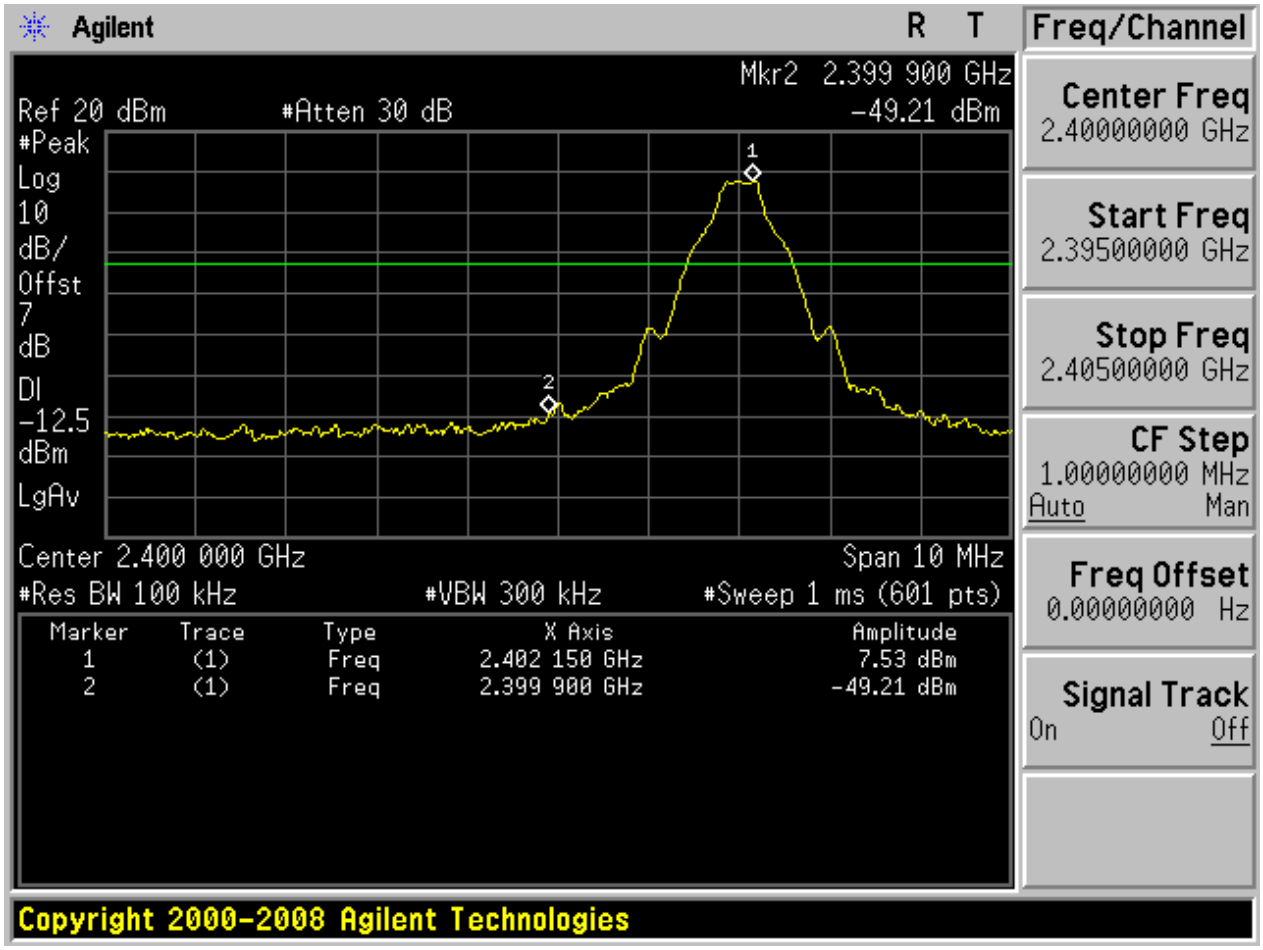
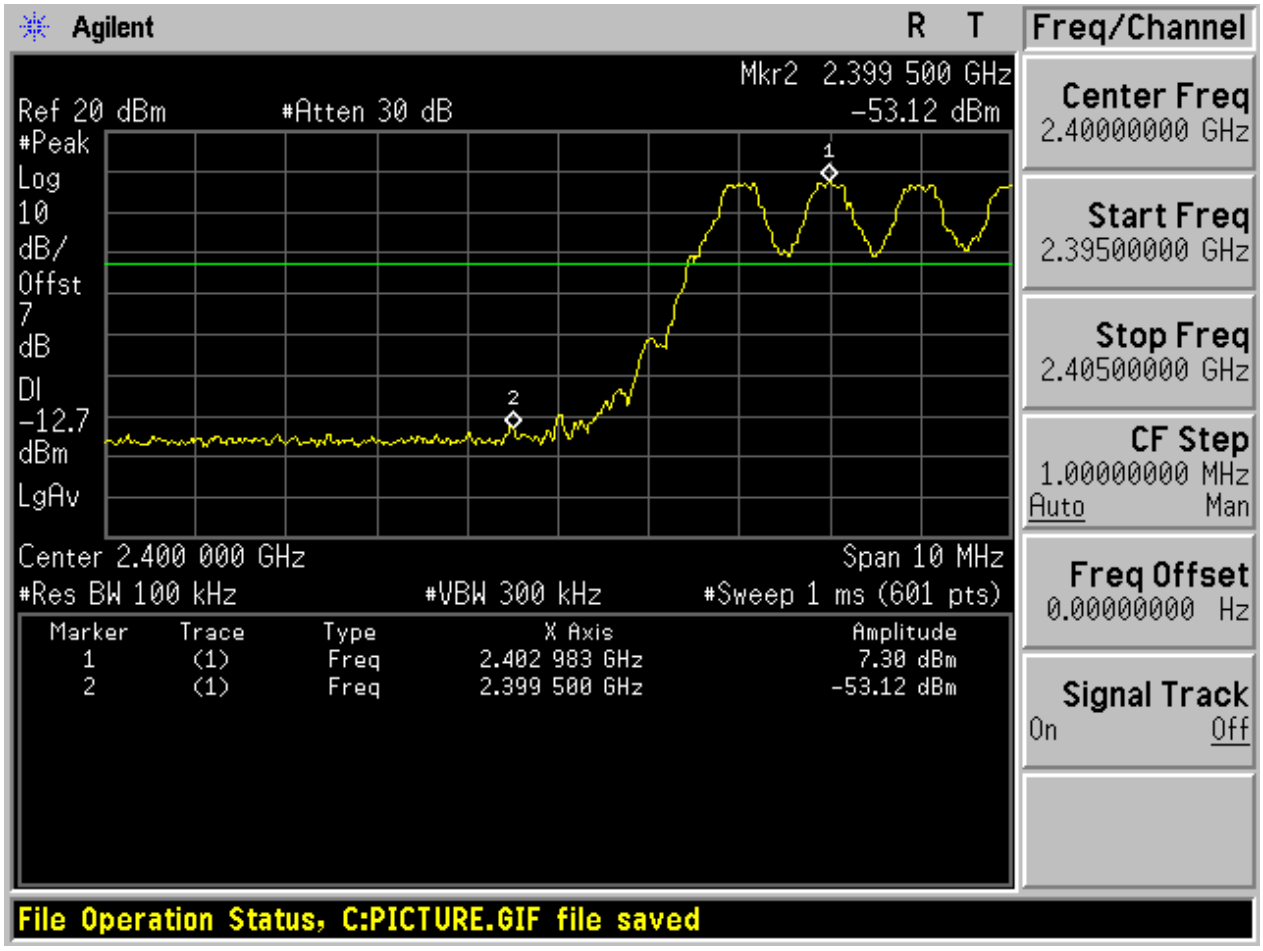
2 Test Plot

2.1 TM1_DH5_Ch0

No hopping



With hopping



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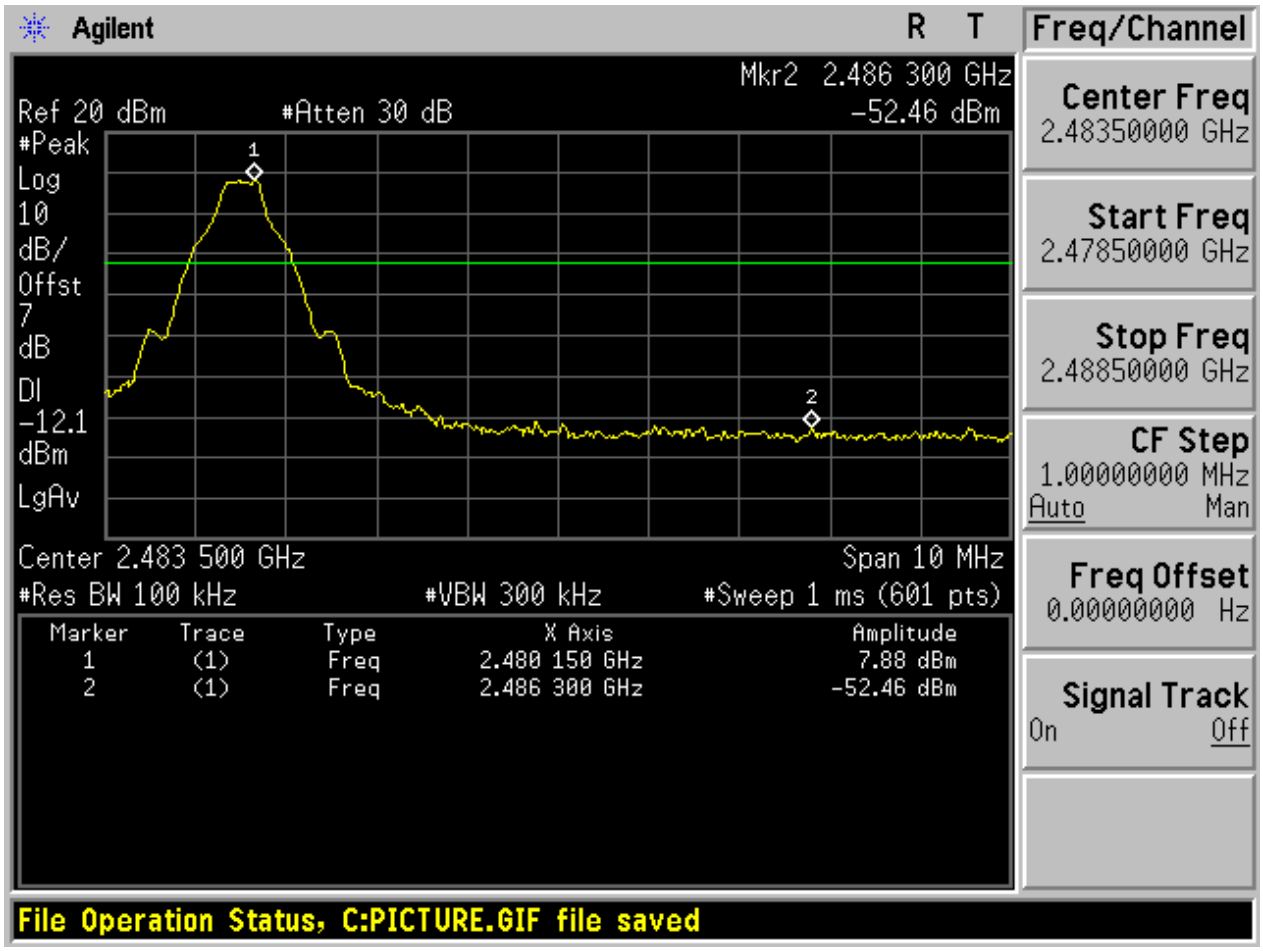
2.2 TM1_DH5_Ch78

No hopping



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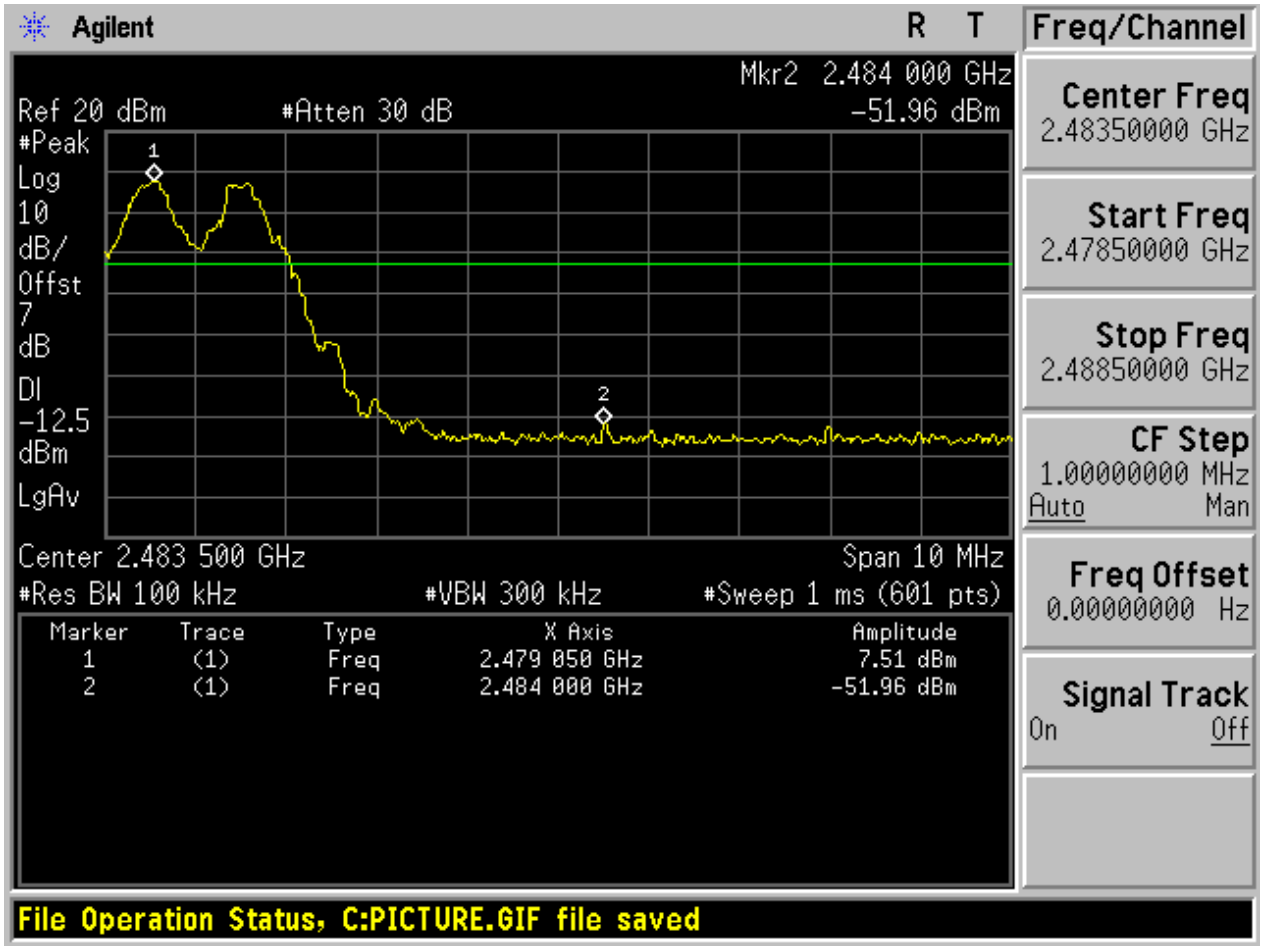
With hopping



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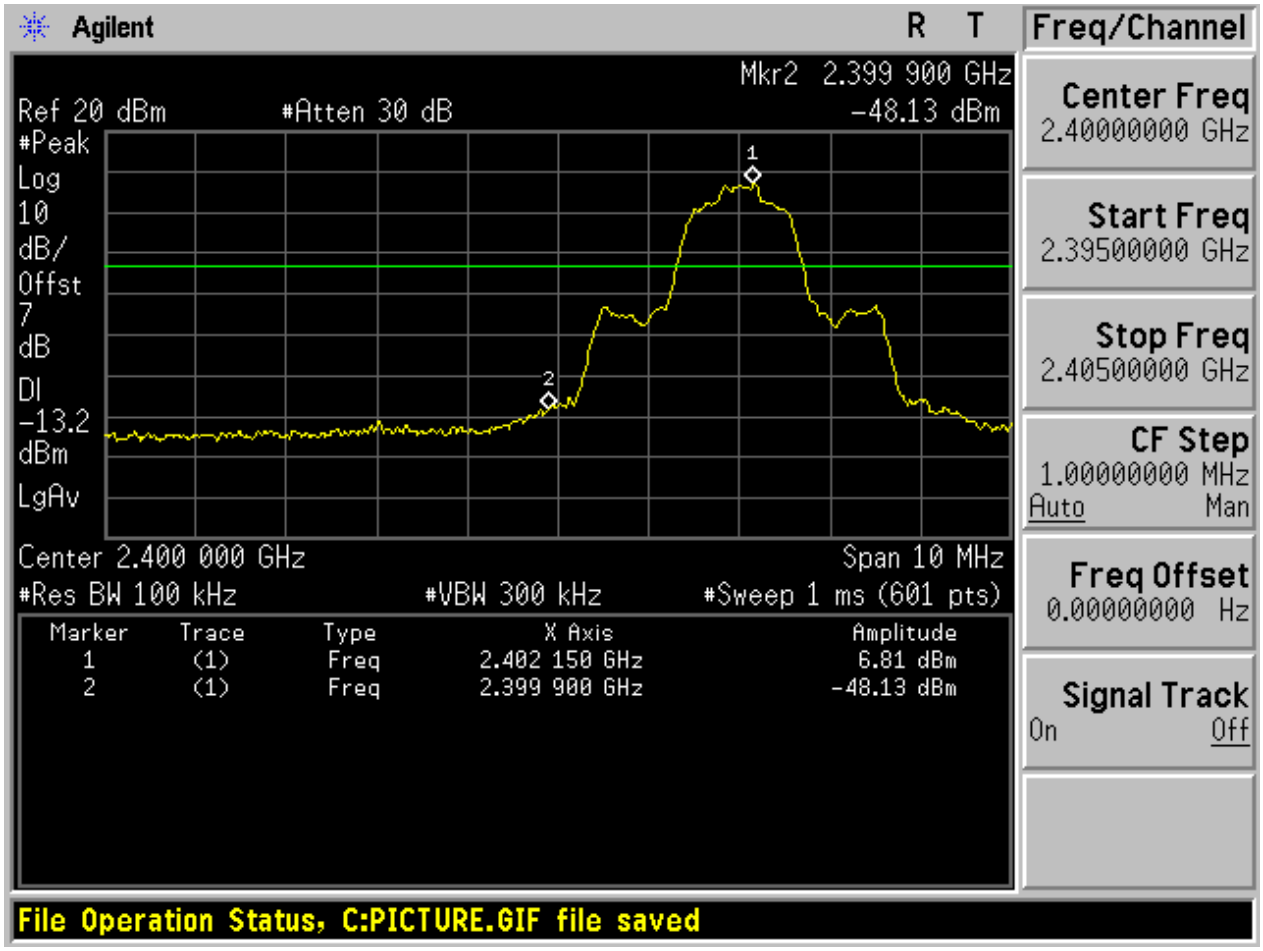
2.3 TM2_2DH5_Ch0

No hopping



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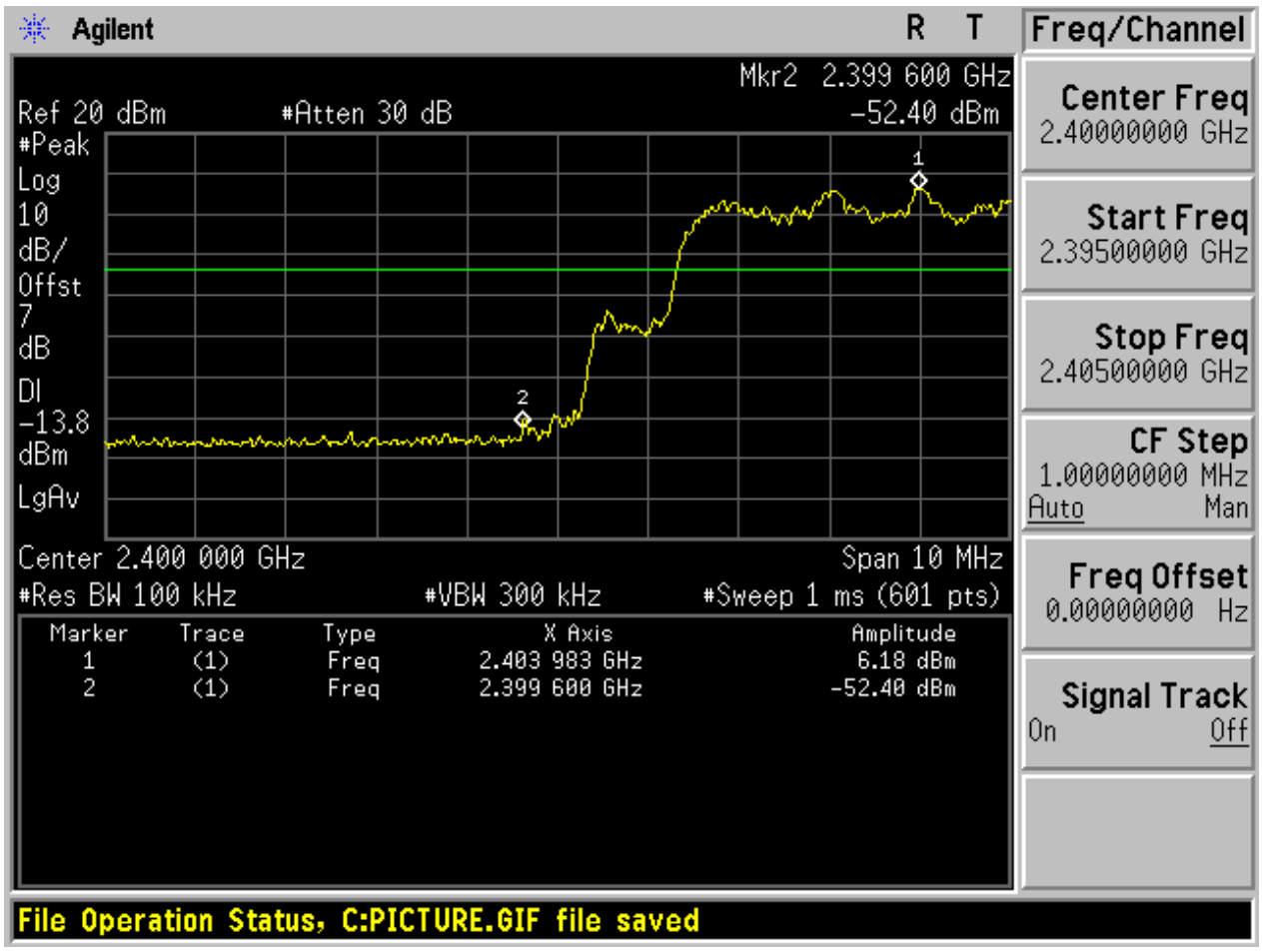
With hopping



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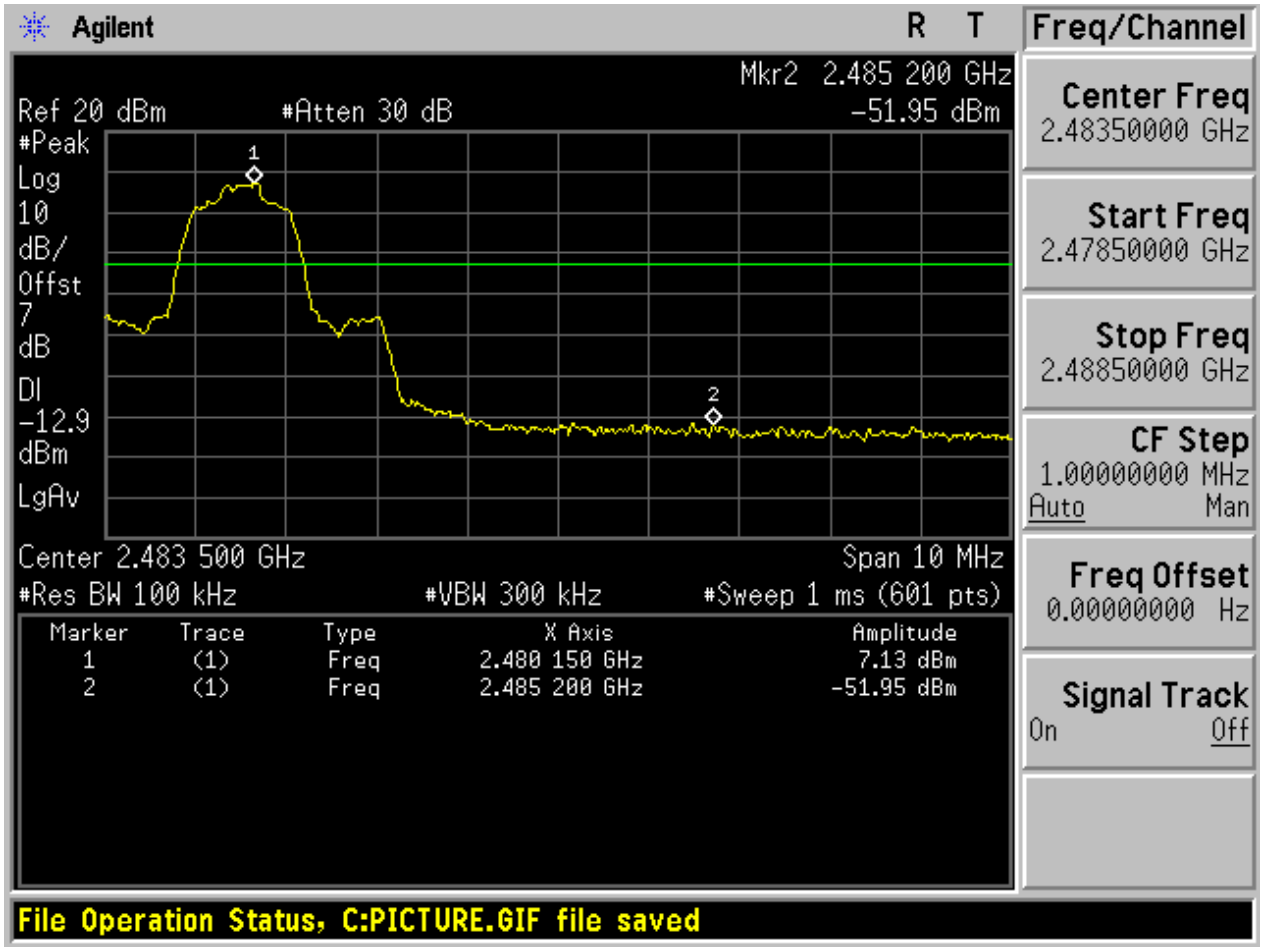
2.4 TM2_2DH5_Ch78

No hopping



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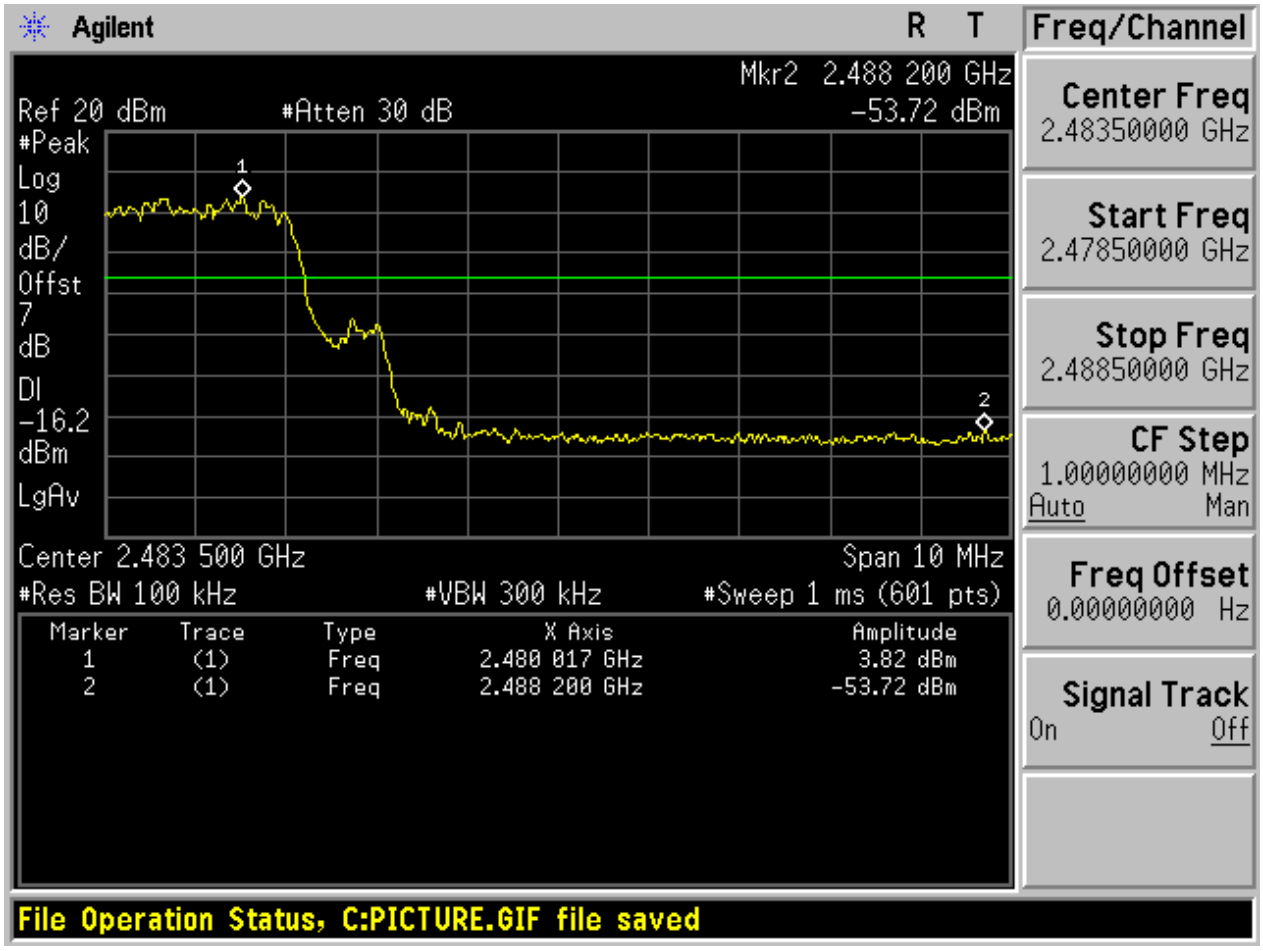
With hopping



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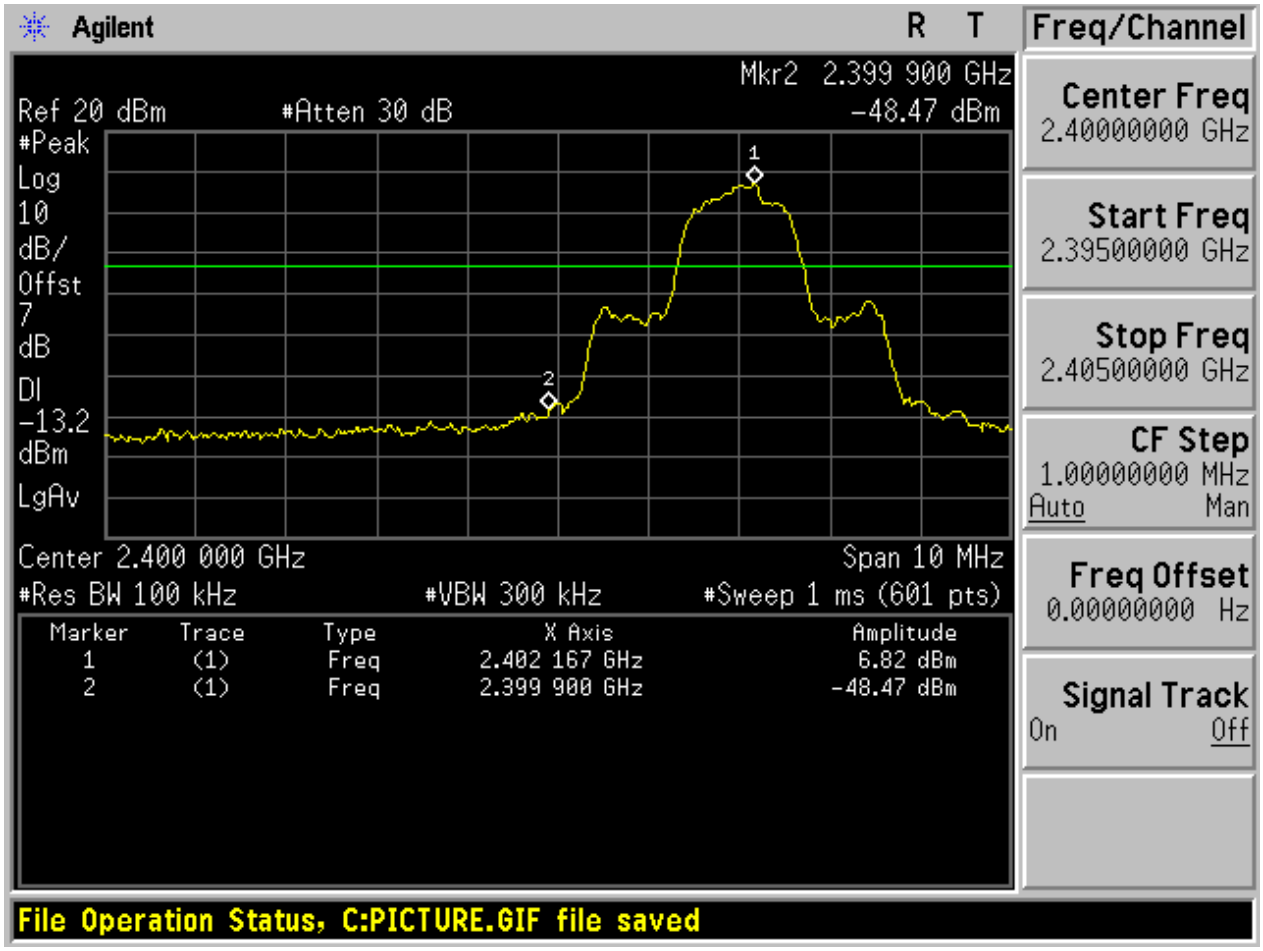
2.5 TM3_3DH5_Ch0

No hopping



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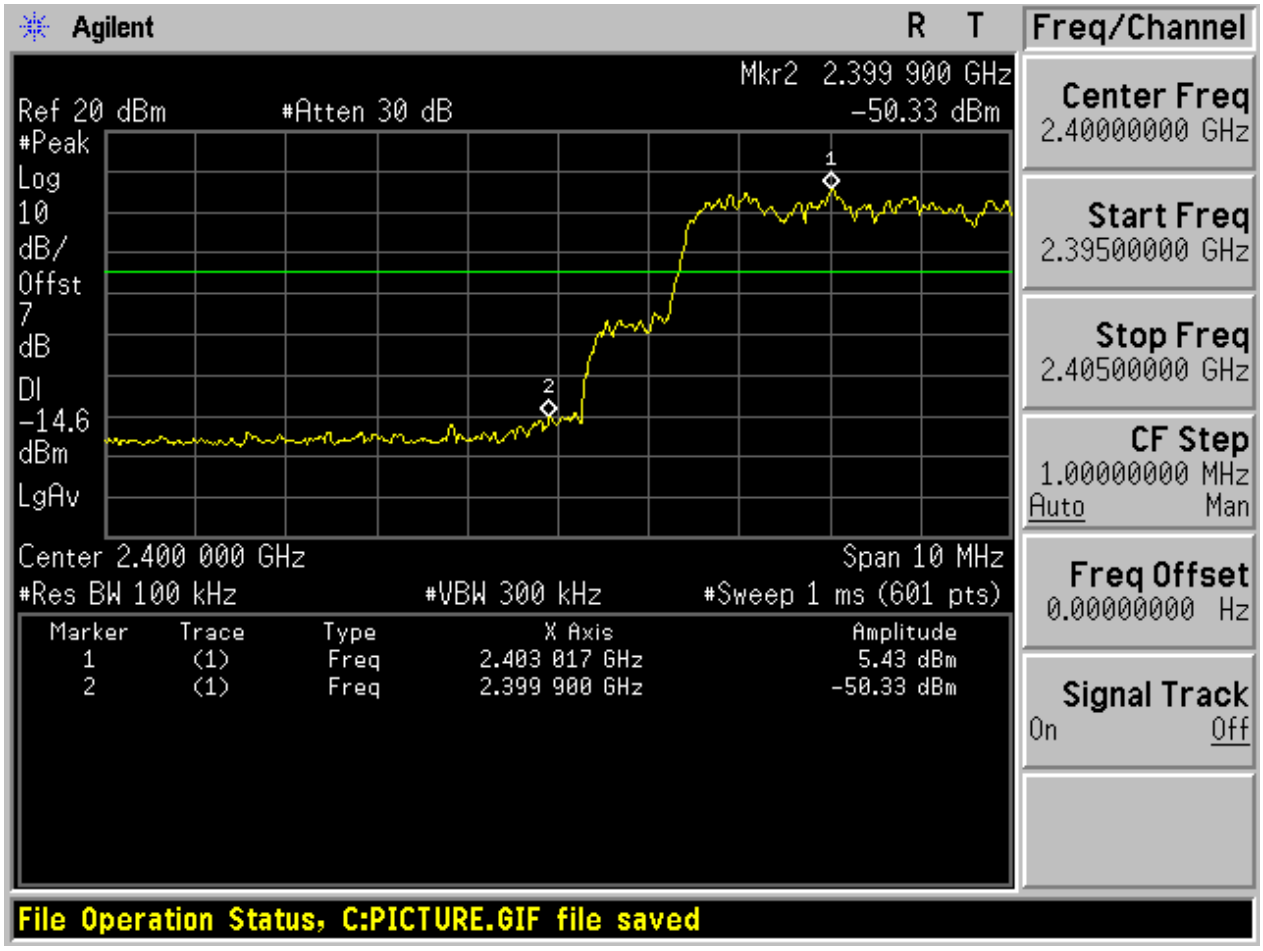
With hopping



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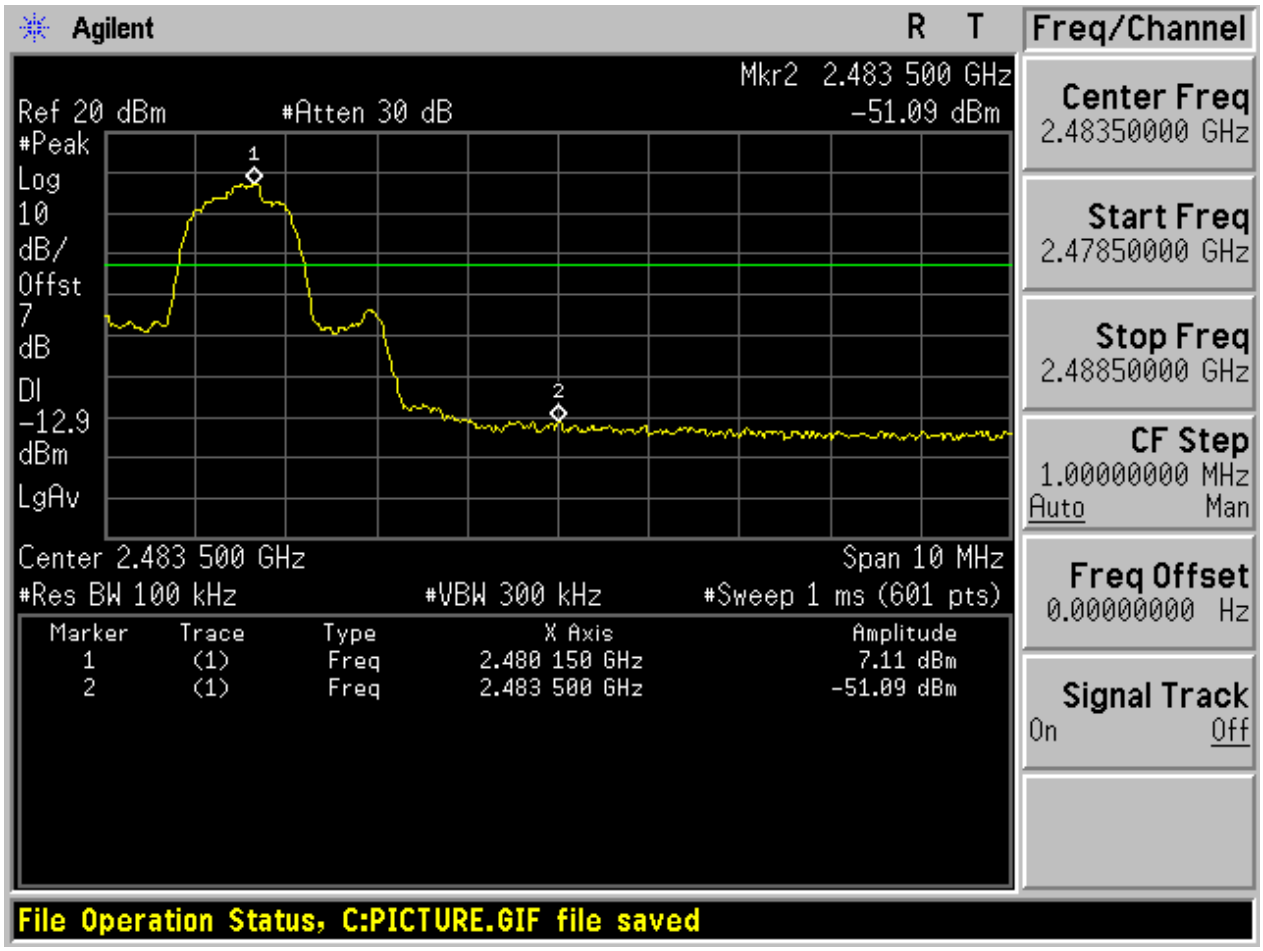
2.6 TM3_3DH5_Ch78

No hopping



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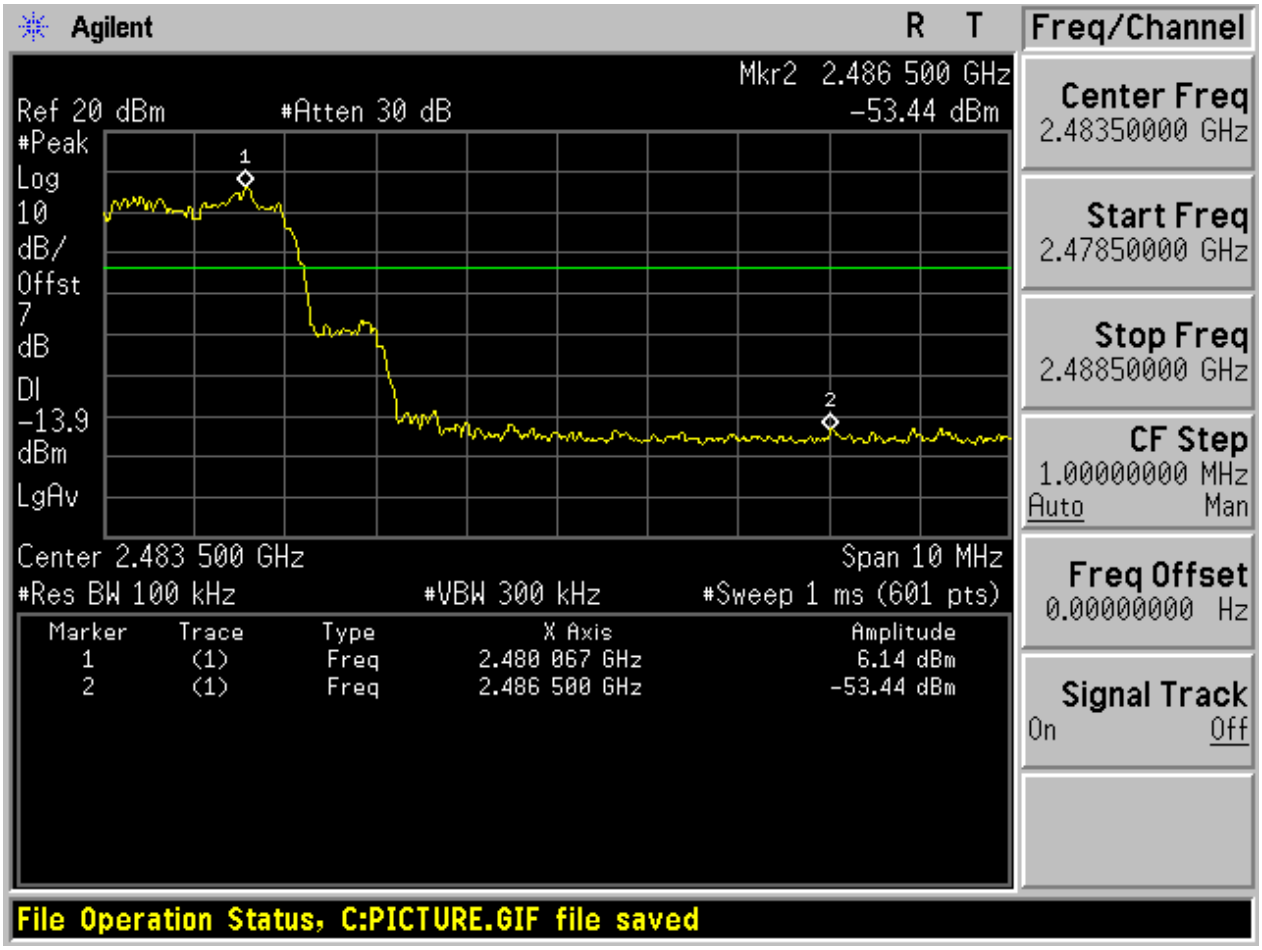
With hopping



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Appendix G: Conducted RF Spurious Emission

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1 Result Table

In this Appendix, the “Pref” refers to the peak power level in any 100 kHz bandwidth within the fundamental emission which is used as the reference level, the “Puw” referrers to the maximum emission power in 100 kHz band segments outside of the authorized frequency band.

Considering that the higher ratio of RBW to the span for the frequency ranges below 30 MHz makes the results determination be complicated, a narrower RBW other than 100 kHz is used for these ranges. The measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] = 10 x lg(100 [kHz]/narrower RBW [kHz]). As to this Appendix, the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

In the result table, the “< Limit” denotes that “The Puw [dBm] is less than Pref [dBm] - 20 [dB], see test plots for detailed”.

EUT Conf.	Pref [dBm/100 kHz]	Puw [dBm/100 kHz]	Verdict
TM1_DH5_Ch0	7.49	< Limit	Pass
TM1_DH5_Ch39	7.59	< Limit	Pass
TM1_DH5_Ch78	7.84	< Limit	Pass
TM2_2DH5_Ch0	6.77	< Limit	Pass
TM2_2DH5_Ch39	6.93	< Limit	Pass
TM2_2DH5_Ch78	7.11	< Limit	Pass
TM3_3DH5_Ch0	6.79	< Limit	Pass
TM3_3DH5_Ch39	6.93	< Limit	Pass
TM3_3DH5_Ch78	7.11	< Limit	Pass

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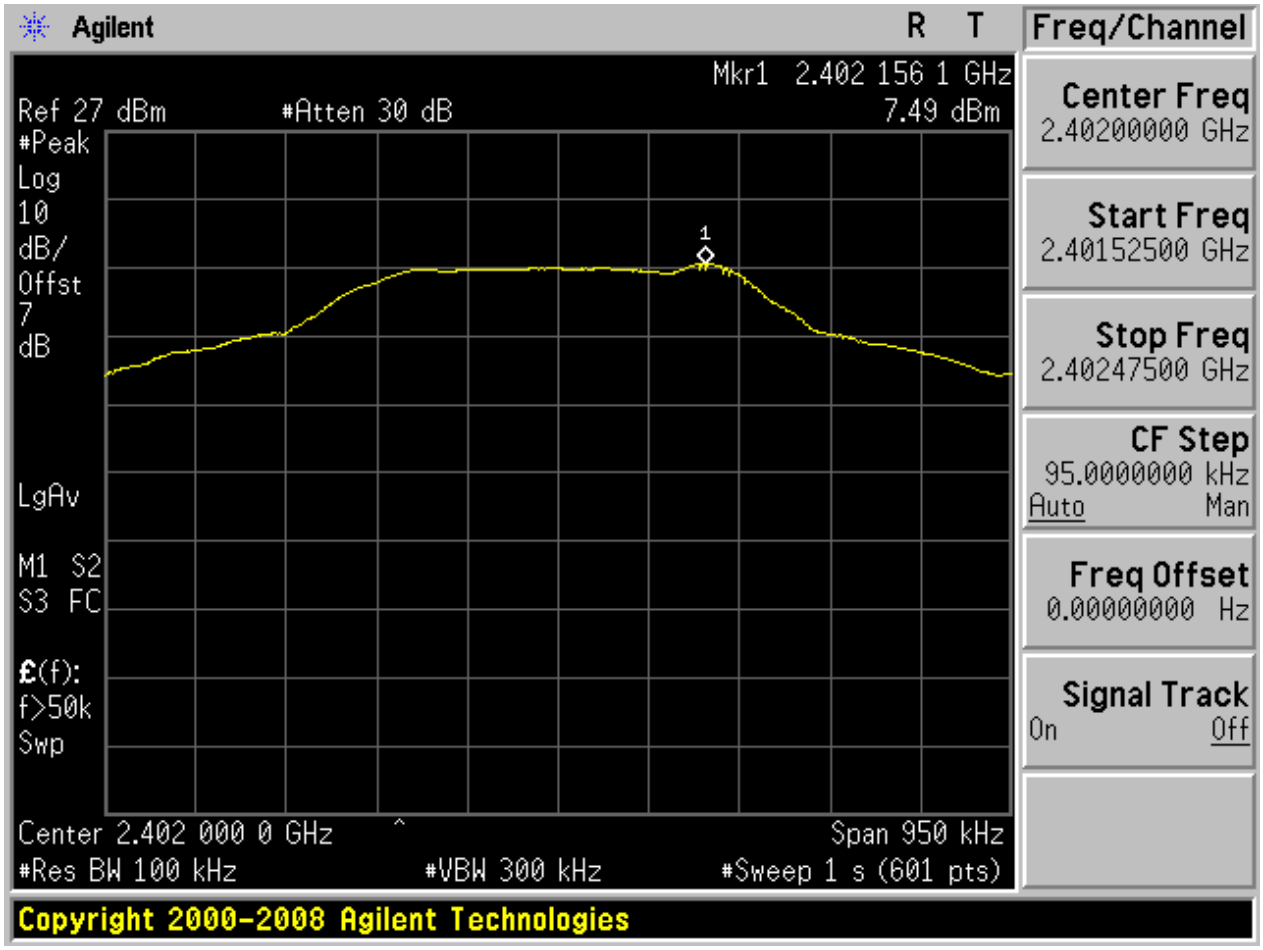
2 Test Plot

2.1 TM1_DH5_Ch0

2.1.1 Pref



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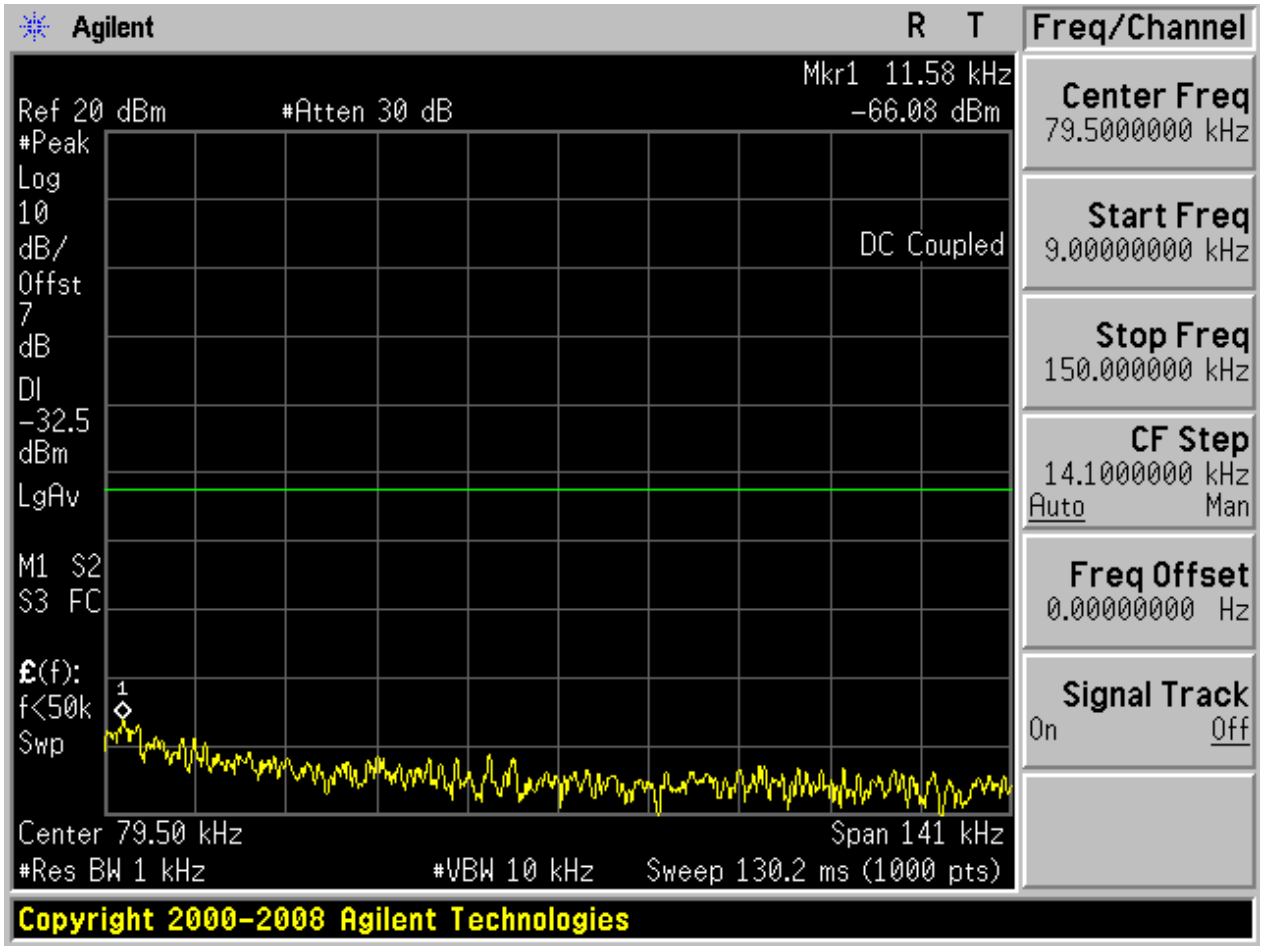
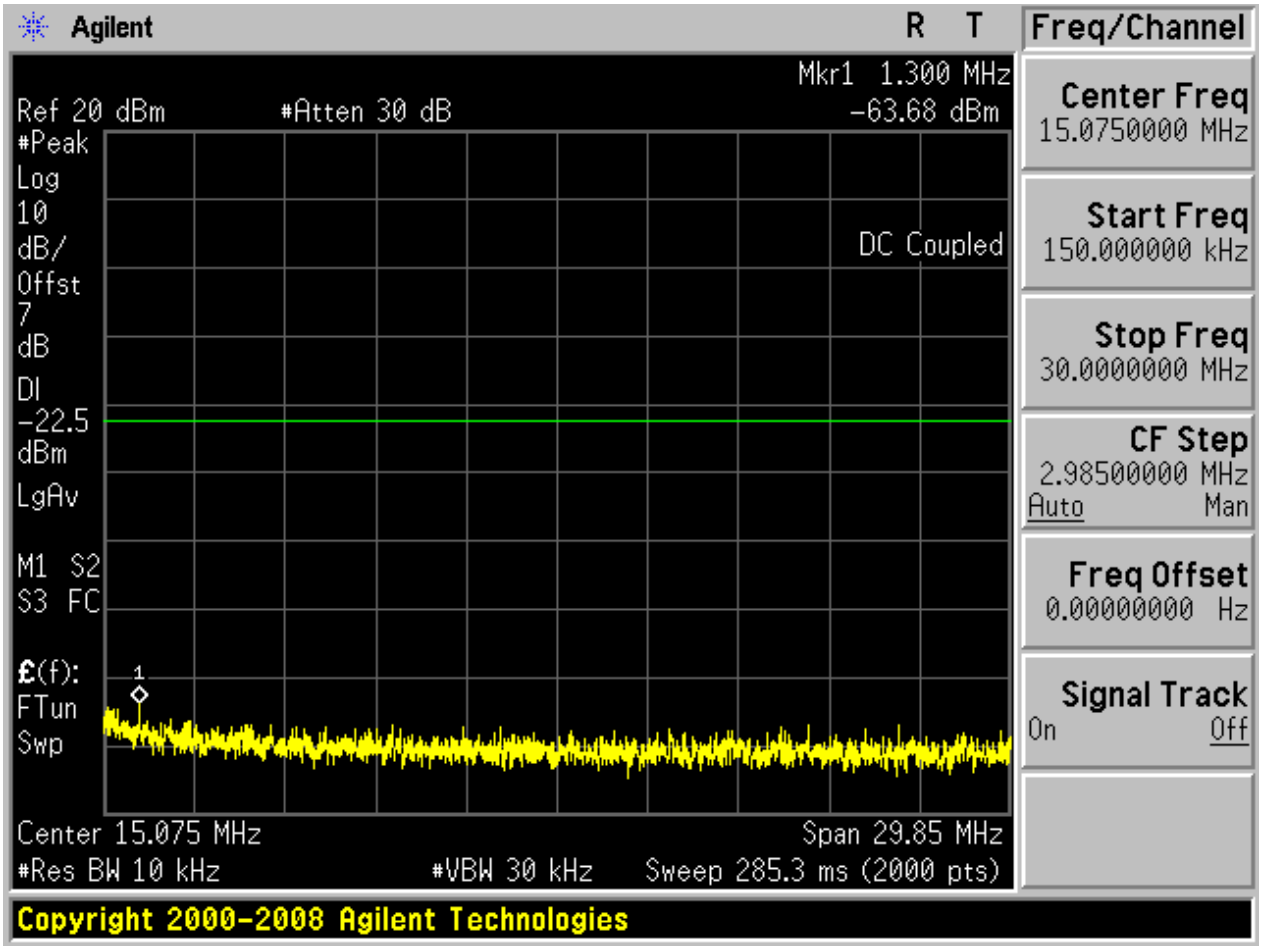
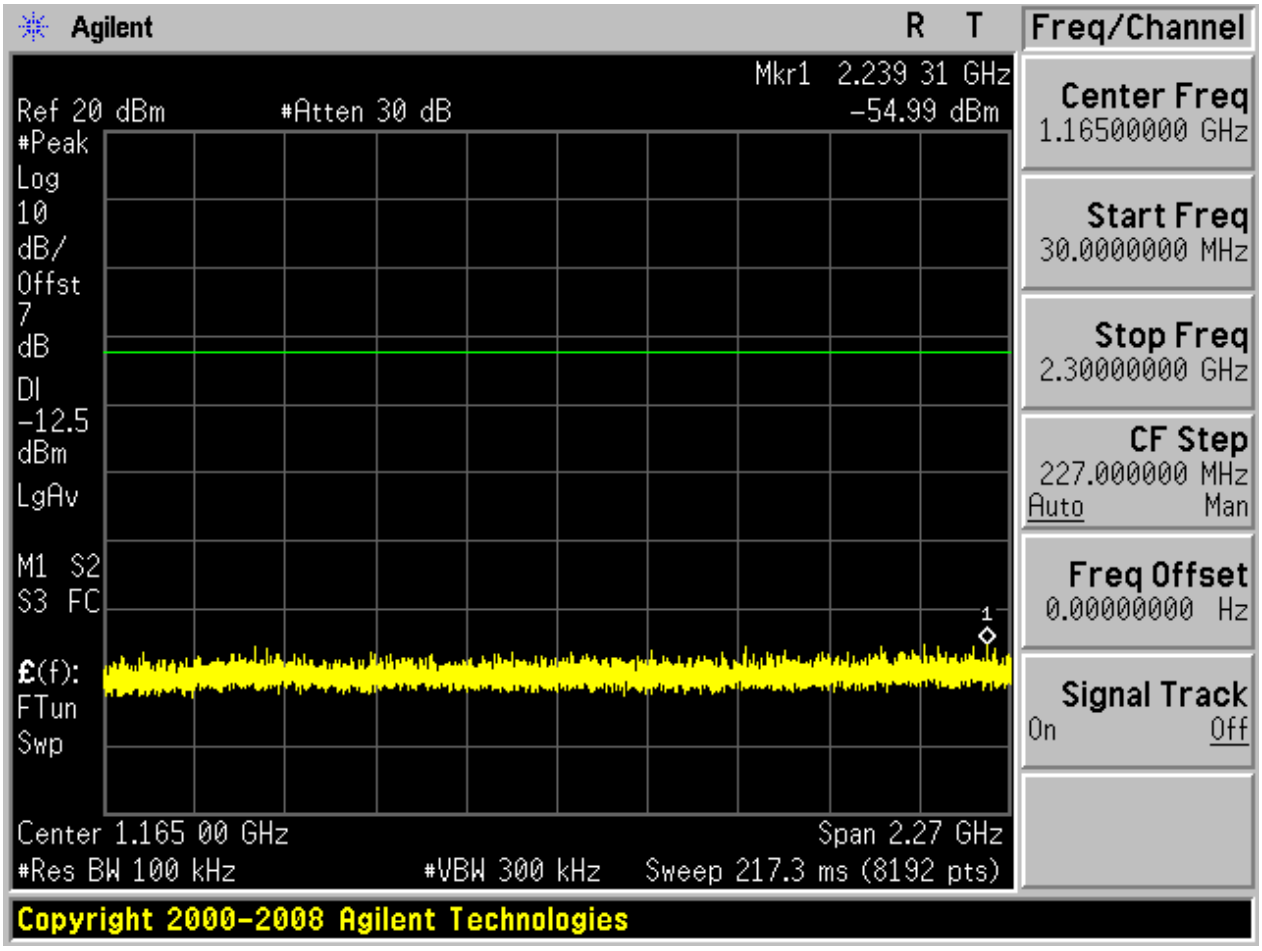
2.1.2 Puw



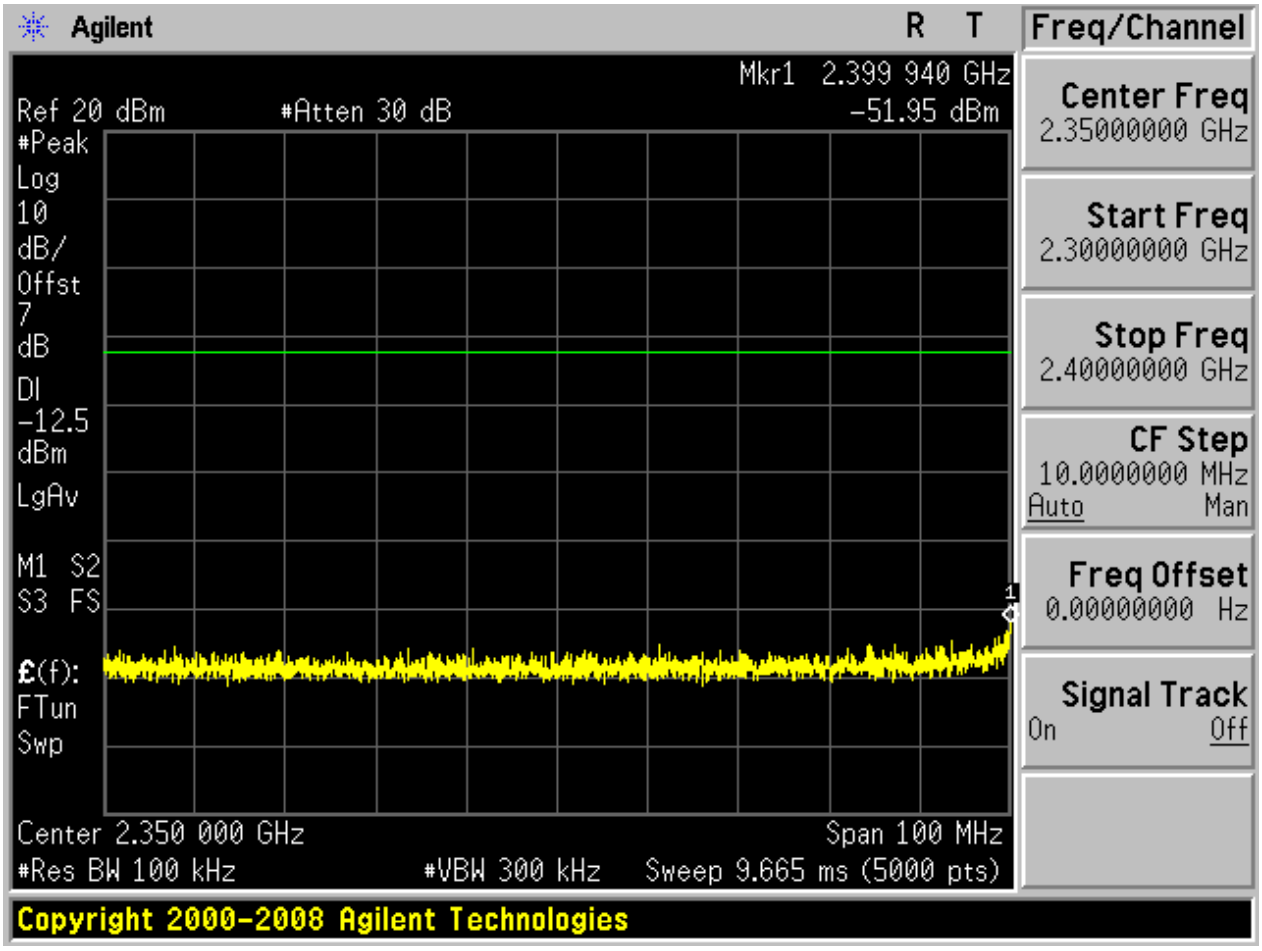
Copyright © Huawei Technologies Co., Ltd.

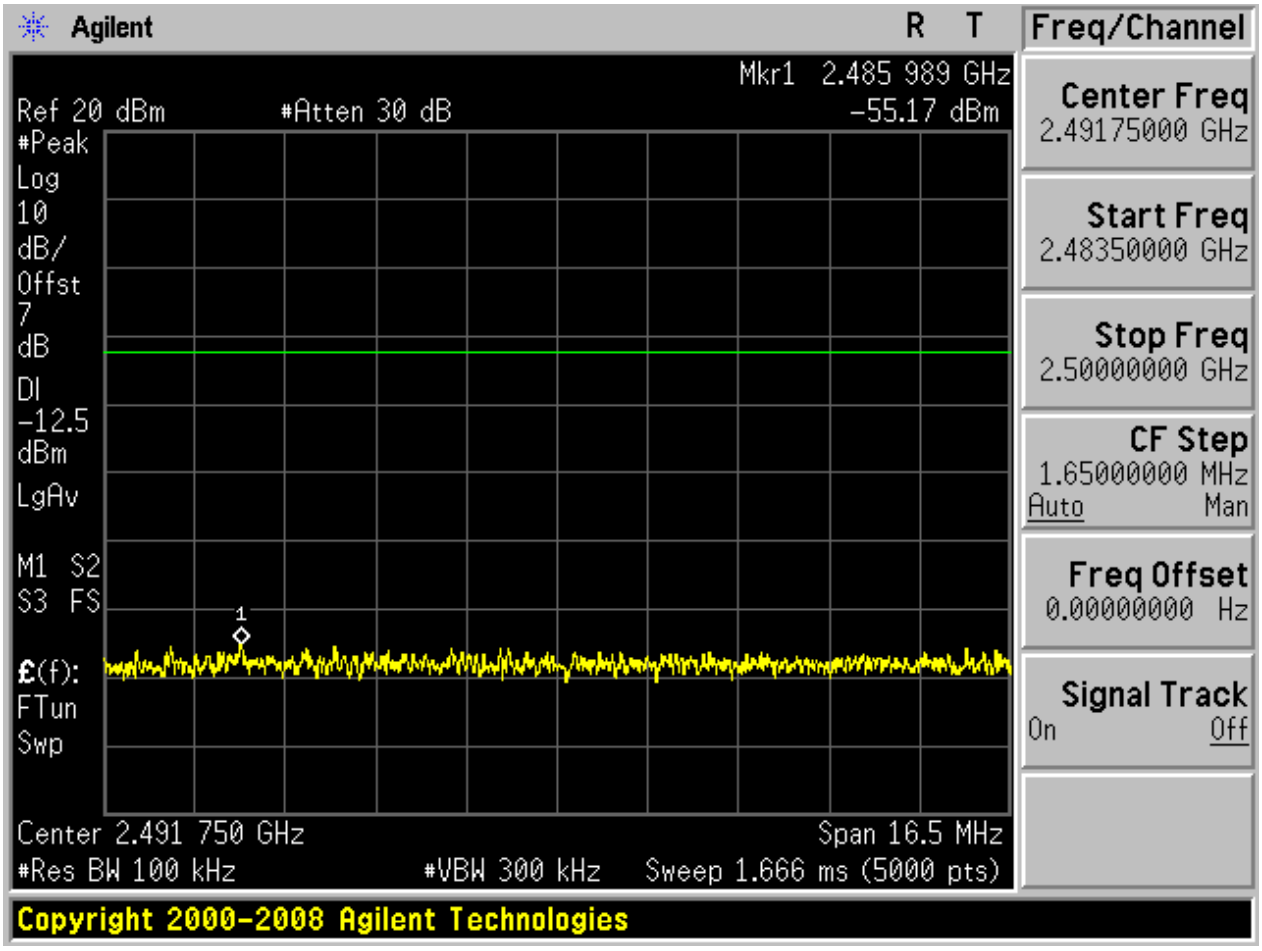


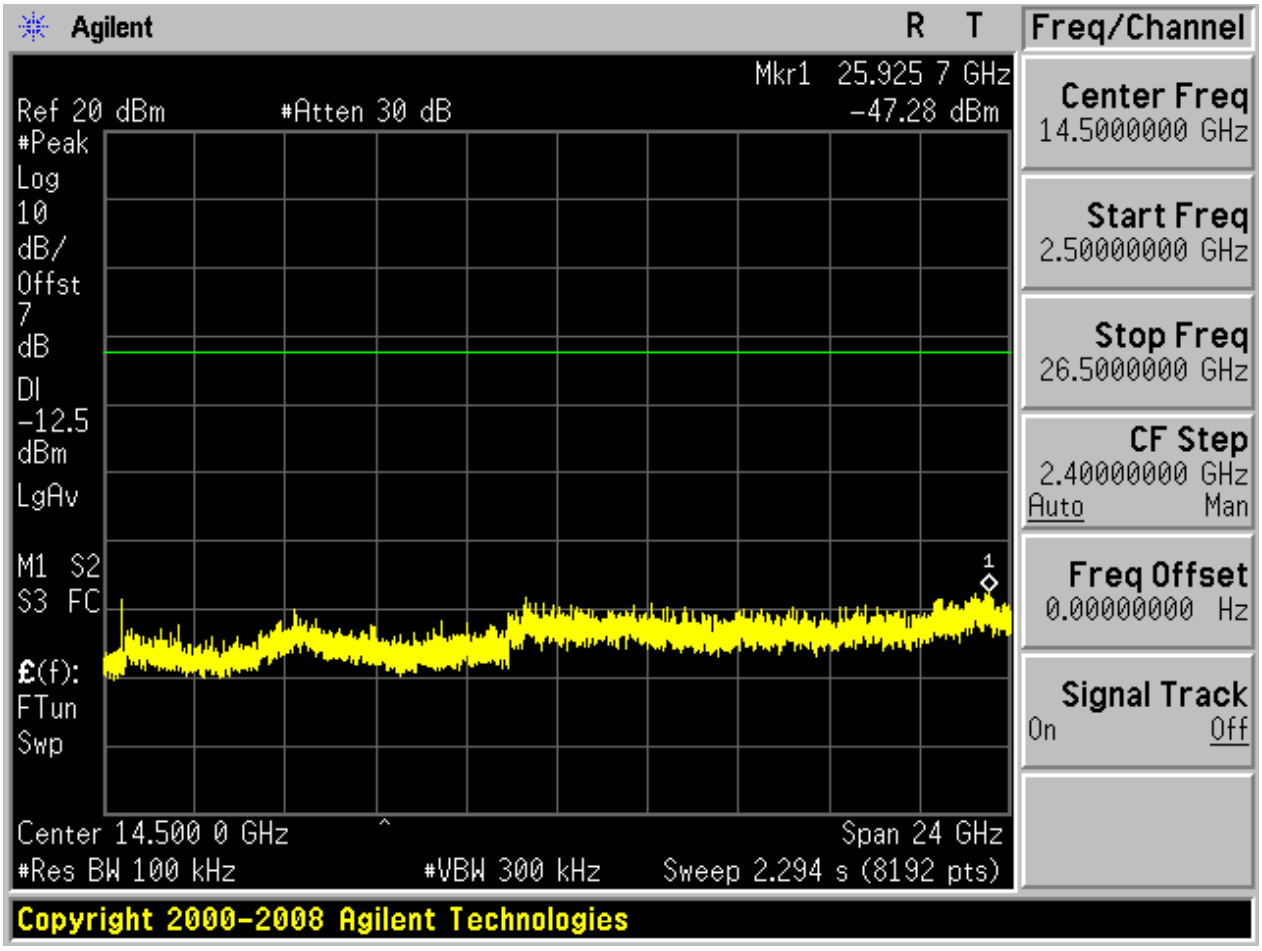
Copyright © Huawei Technologies Co., Ltd.



Copyright © Huawei Technologies Co., Ltd.

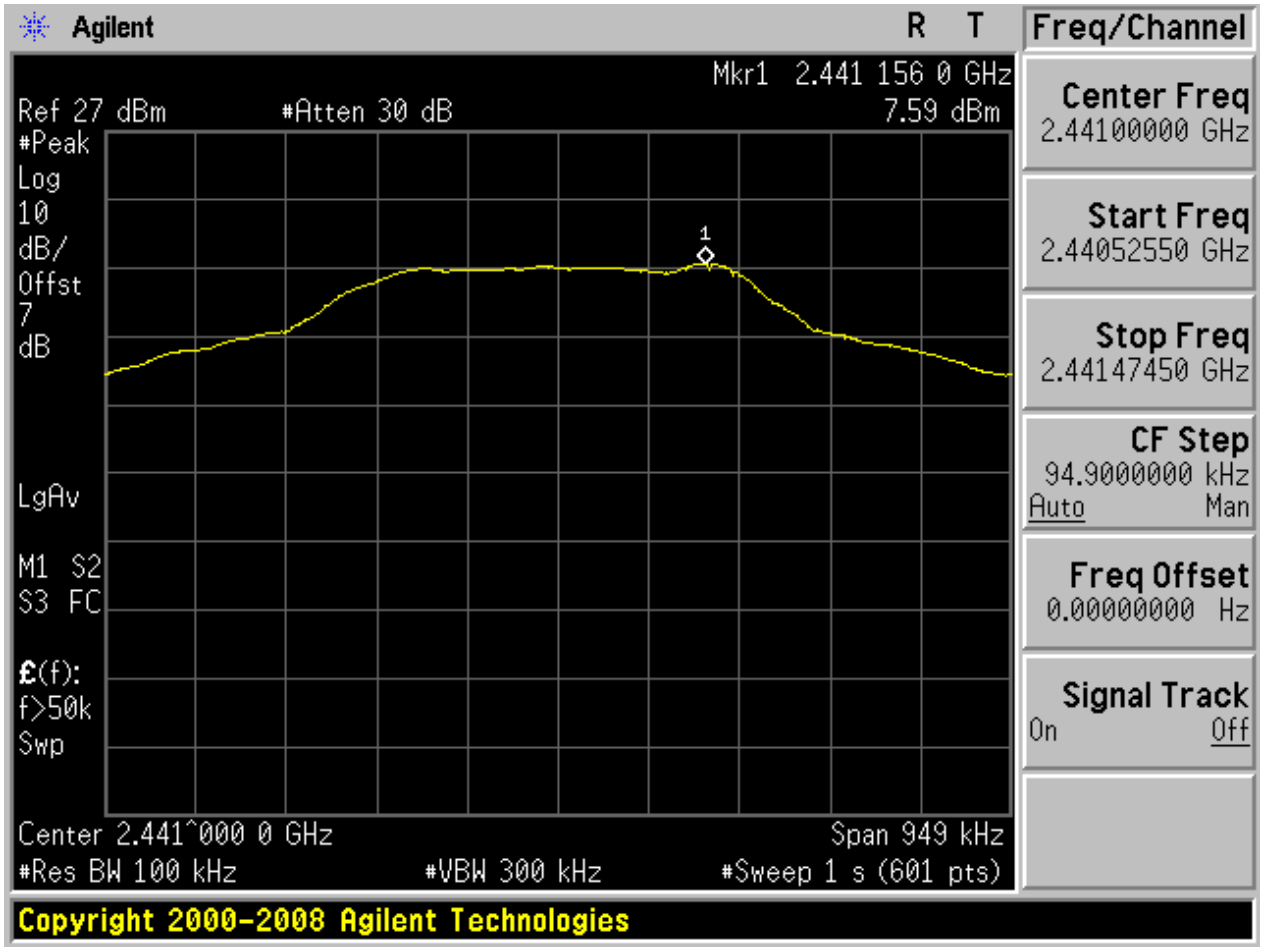

Agilent
R T
Freq/Channel
Mkr1 2.399 940 GHz
Ref 20 dBm
#Atten 30 dB
-51.95 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.5
dBm
LgAv
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.350 000 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.665 ms (5000 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.485 989 GHz
Ref 20 dBm
#Atten 30 dB
-55.17 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.5
dBm
LgAv
M1 S2
S3 FS
£(f):
FTun
Swp
Center 2.491 750 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.666 ms (5000 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 25.925 7 GHz
Ref 20 dBm
#Atten 30 dB
-47.28 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.5
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
1
Center 14.500 0 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8192 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies

2.2 TM1_DH5_Ch39

2.2.1 Pref



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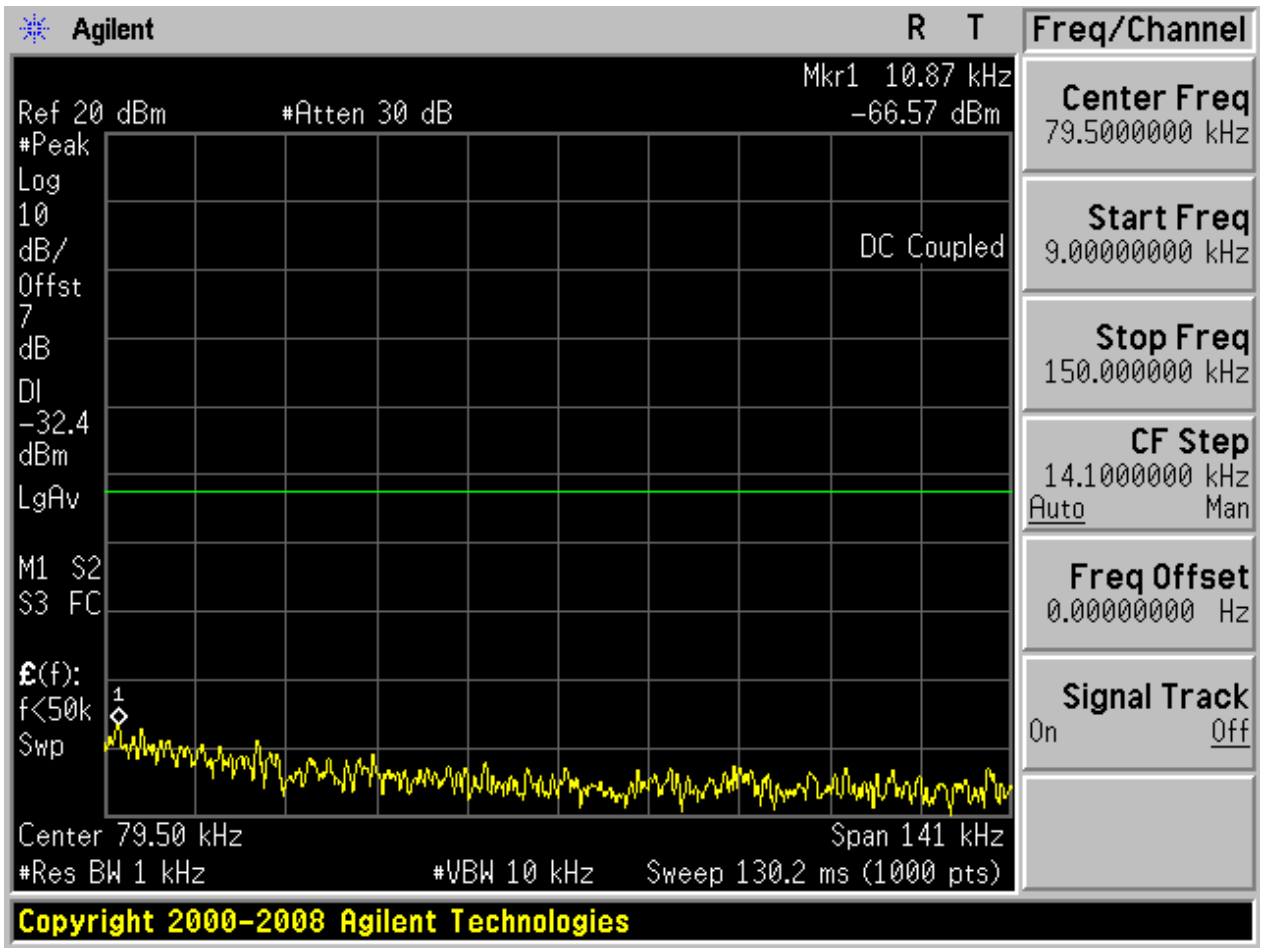
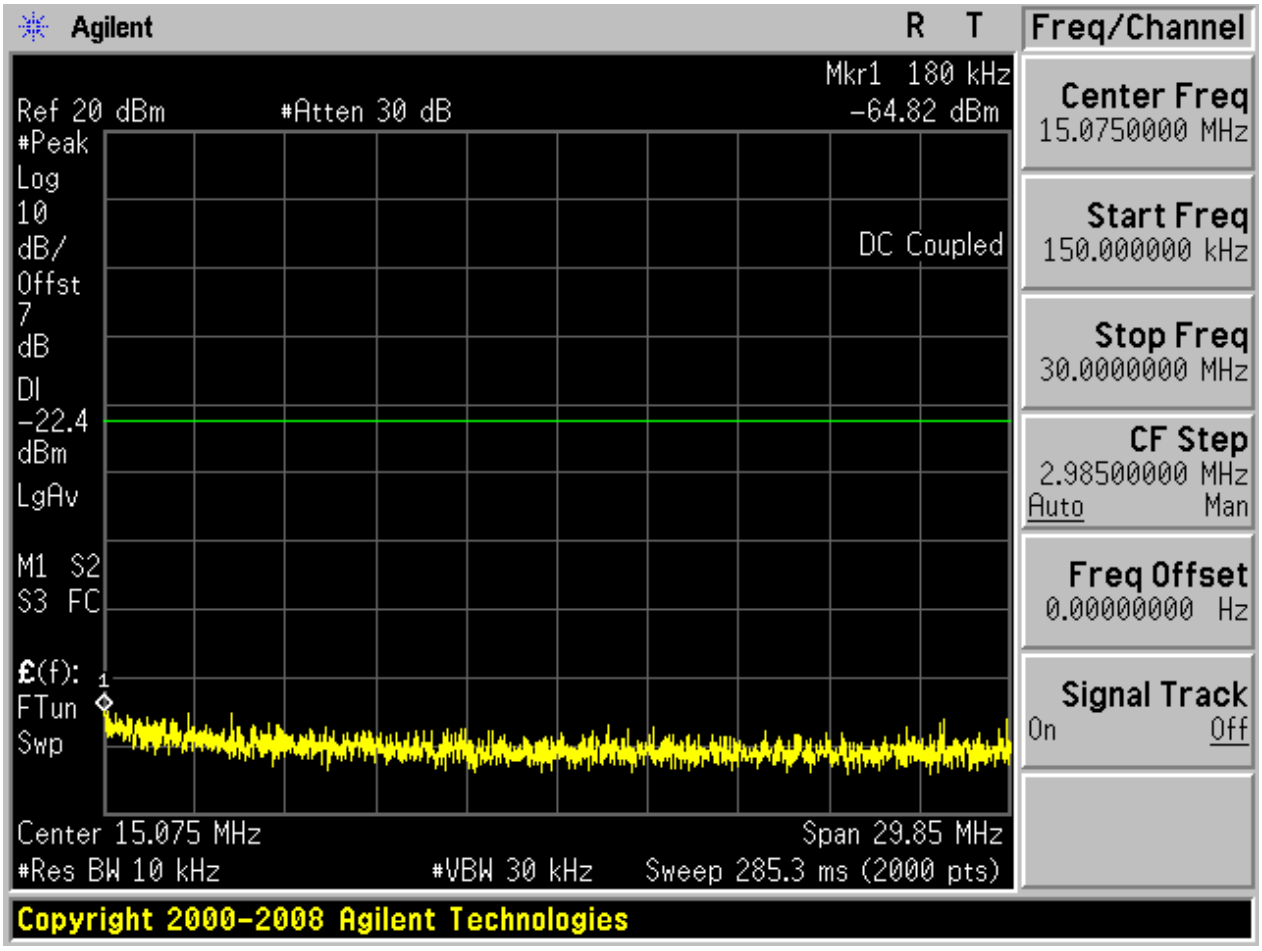
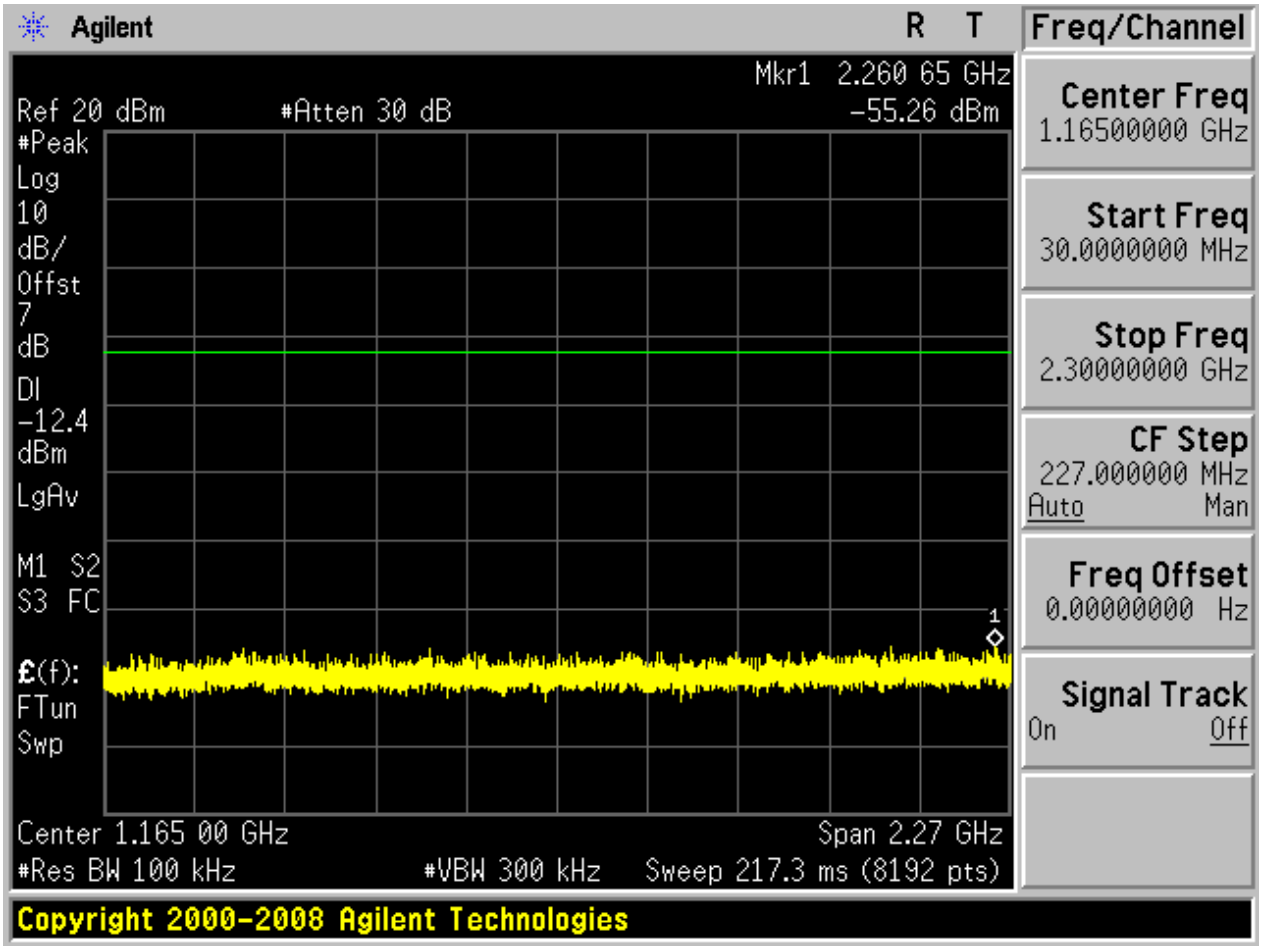
2.2.2 Puw



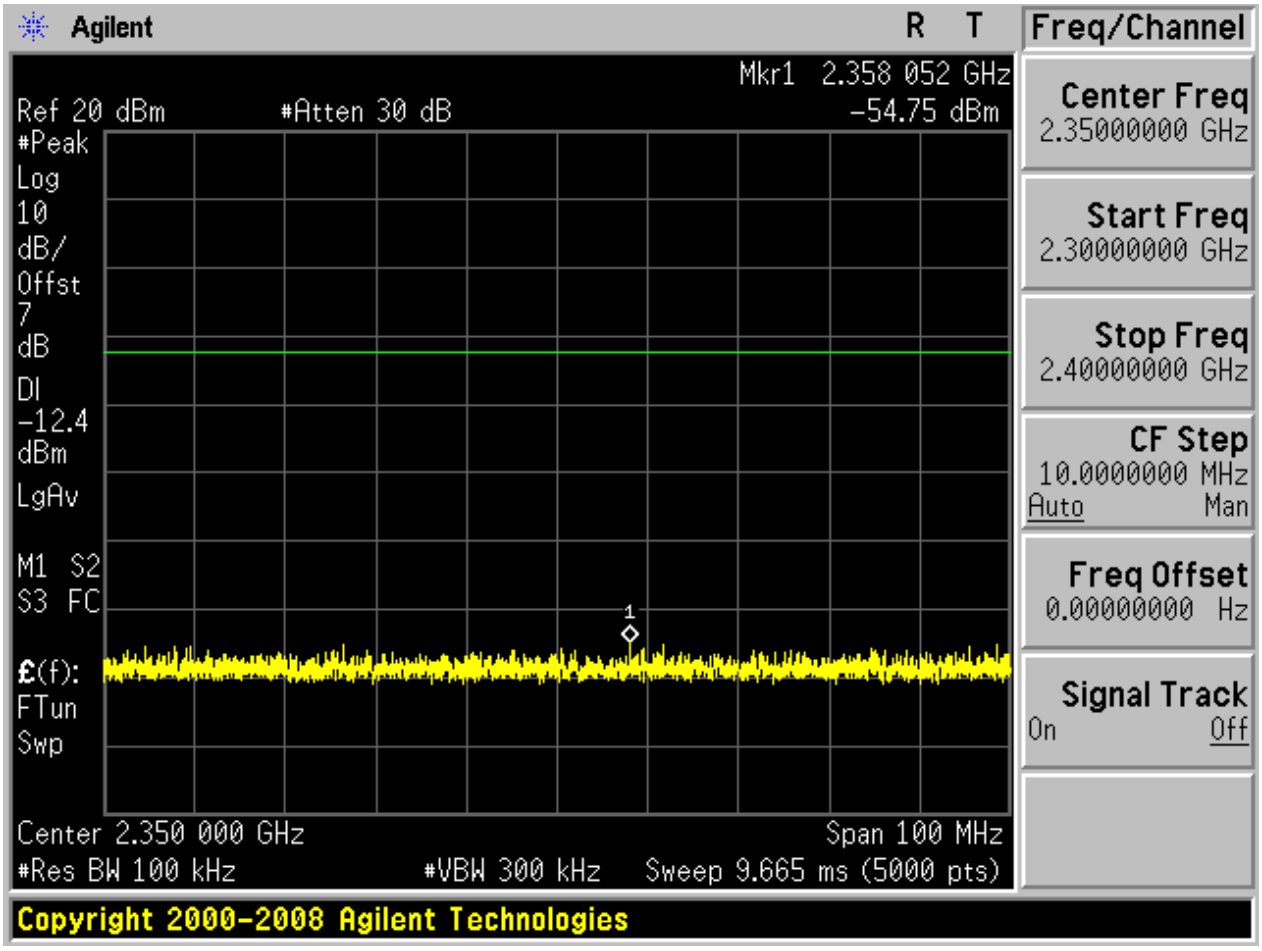
Copyright © Huawei Technologies Co., Ltd.

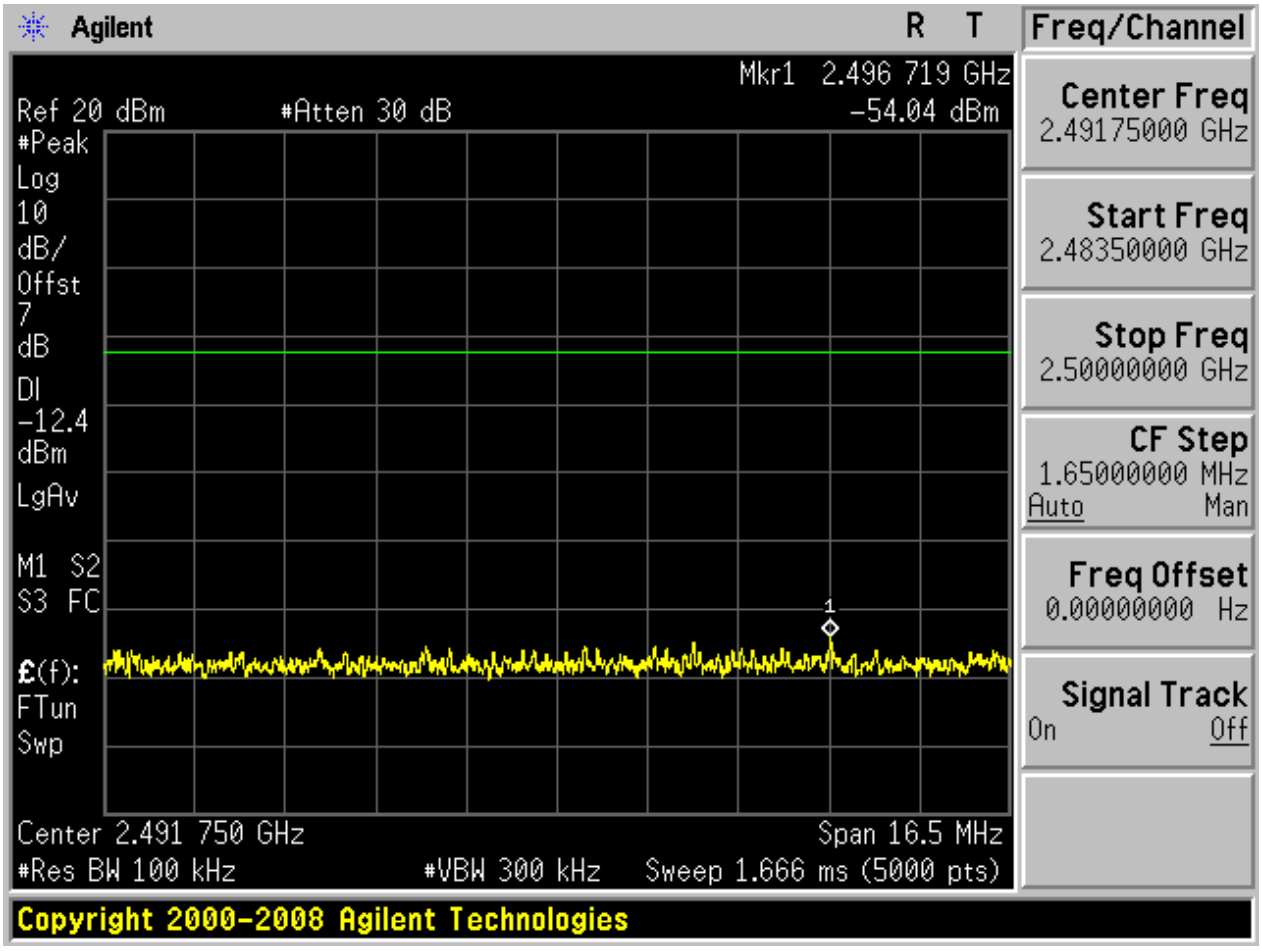


Copyright © Huawei Technologies Co., Ltd.

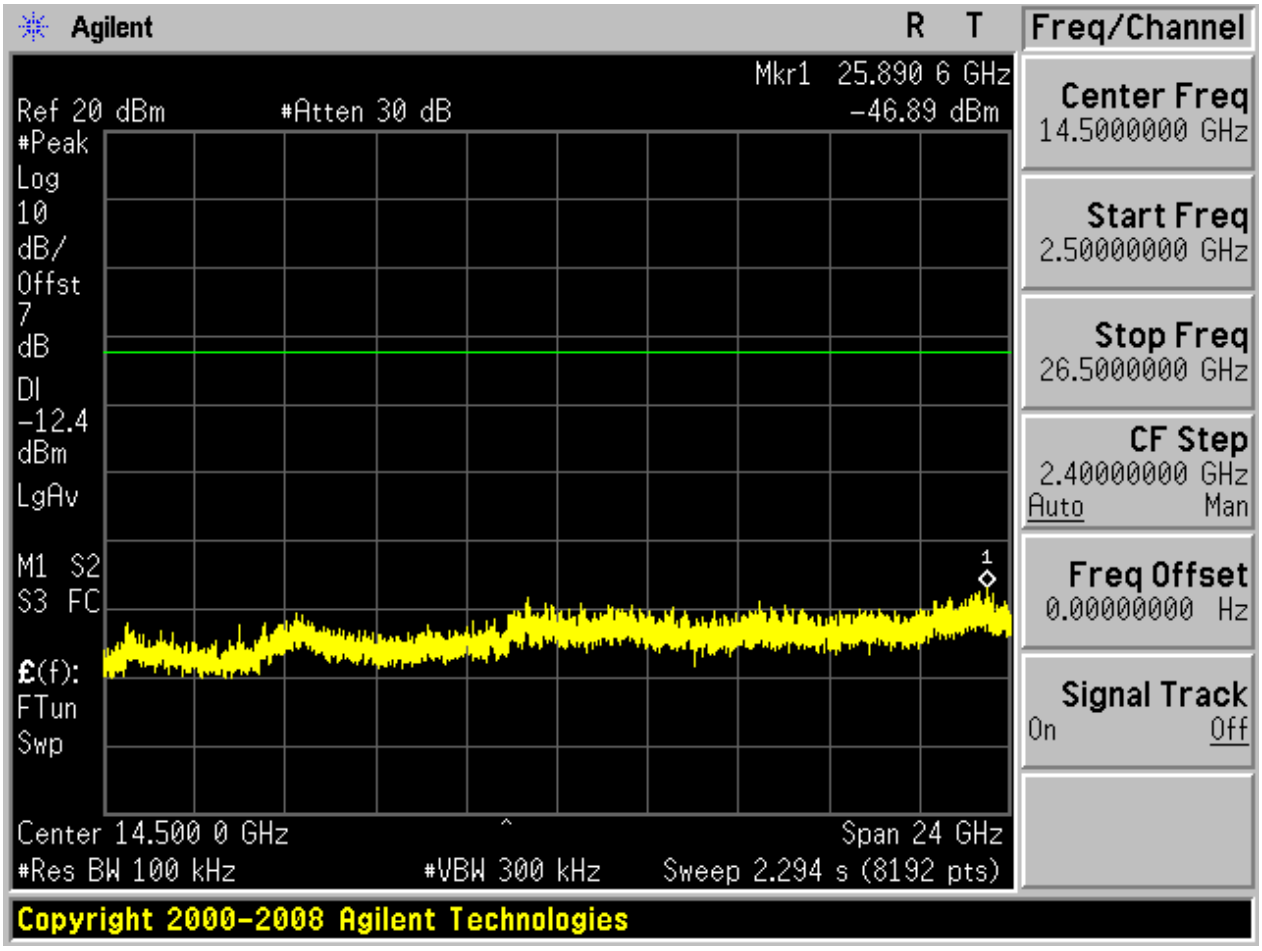


Copyright © Huawei Technologies Co., Ltd.


Agilent
R T
Freq/Channel
Mkr1 2.358 052 GHz
Ref 20 dBm
#Atten 30 dB
-54.75 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.4
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.350 000 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.665 ms (5000 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies

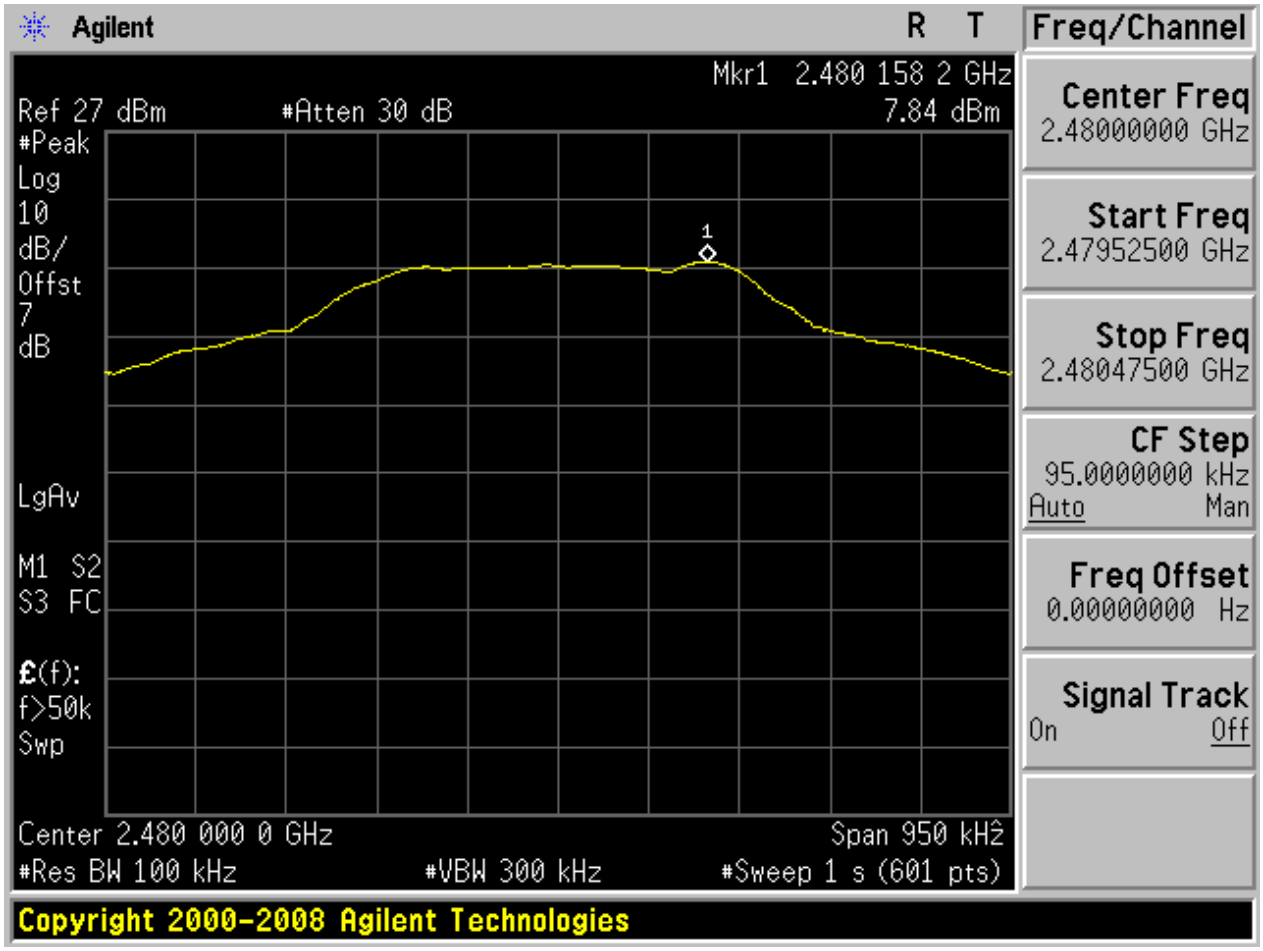


Copyright © Huawei Technologies Co., Ltd.


Agilent
R T
Freq/Channel
Mkr1 25.890 6 GHz
Ref 20 dBm
#Atten 30 dB
-46.89 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.4
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 14.500 0 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8192 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies

2.3 TM1_DH5_Ch78

2.3.1 Pref



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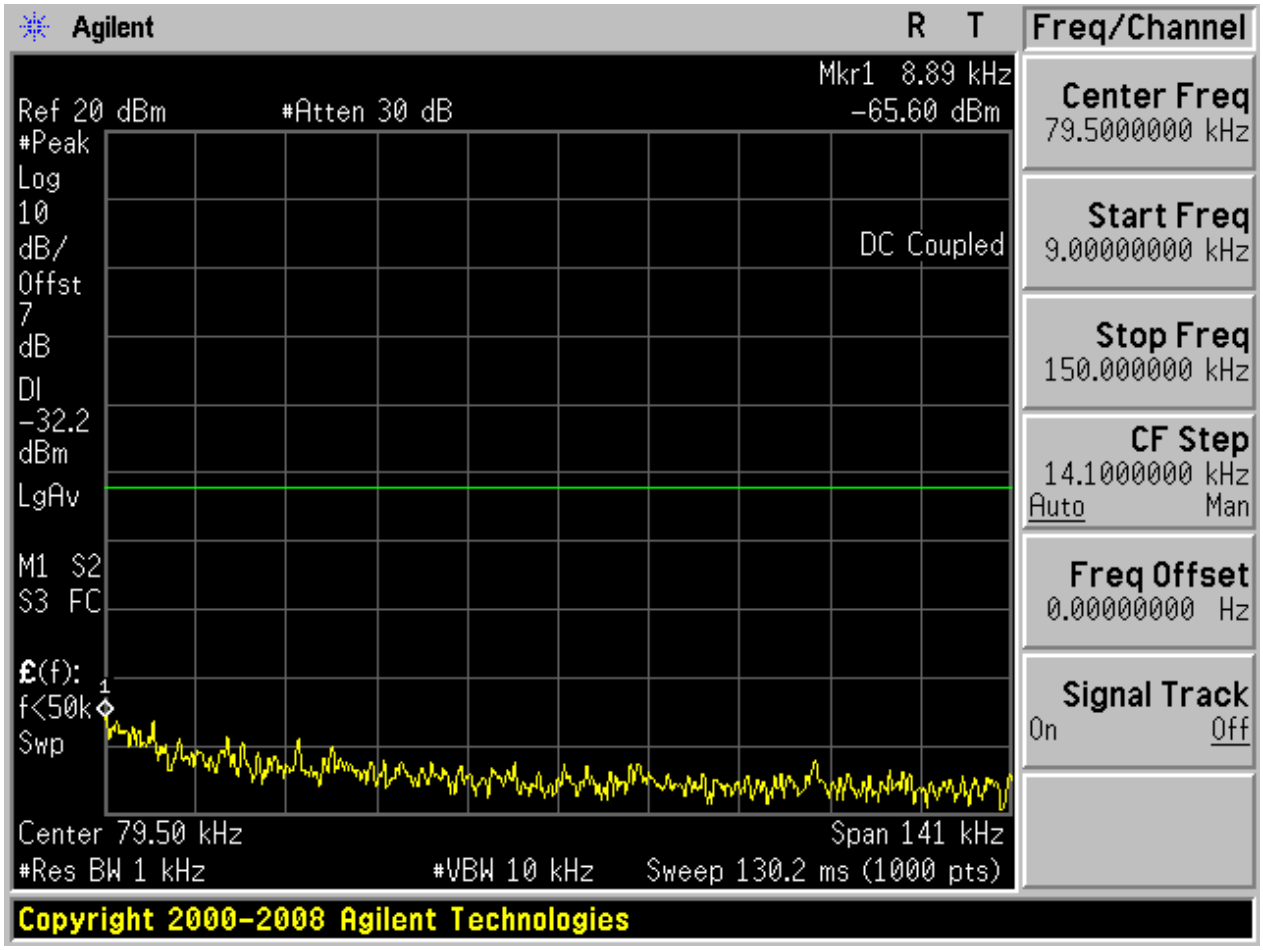
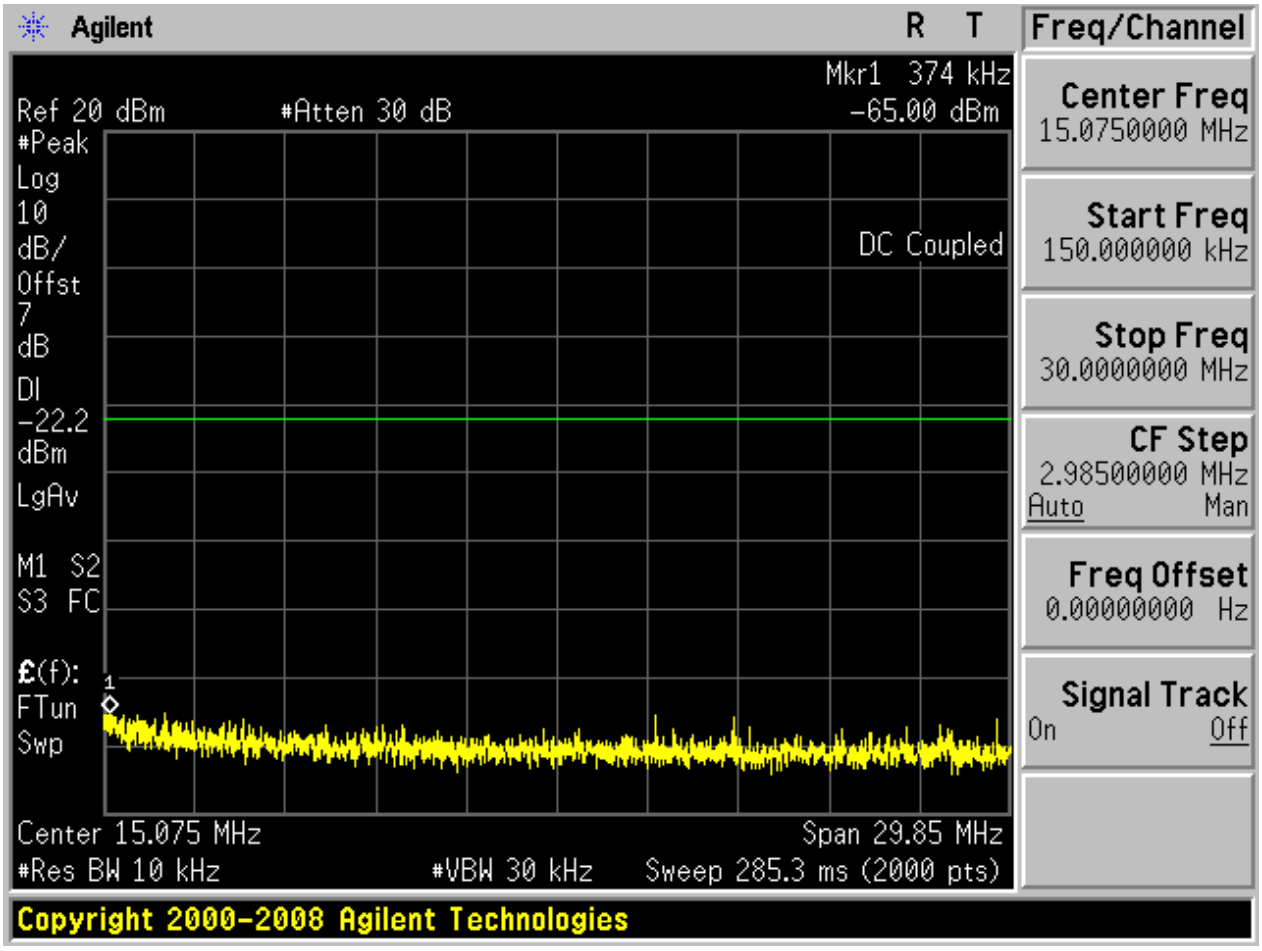
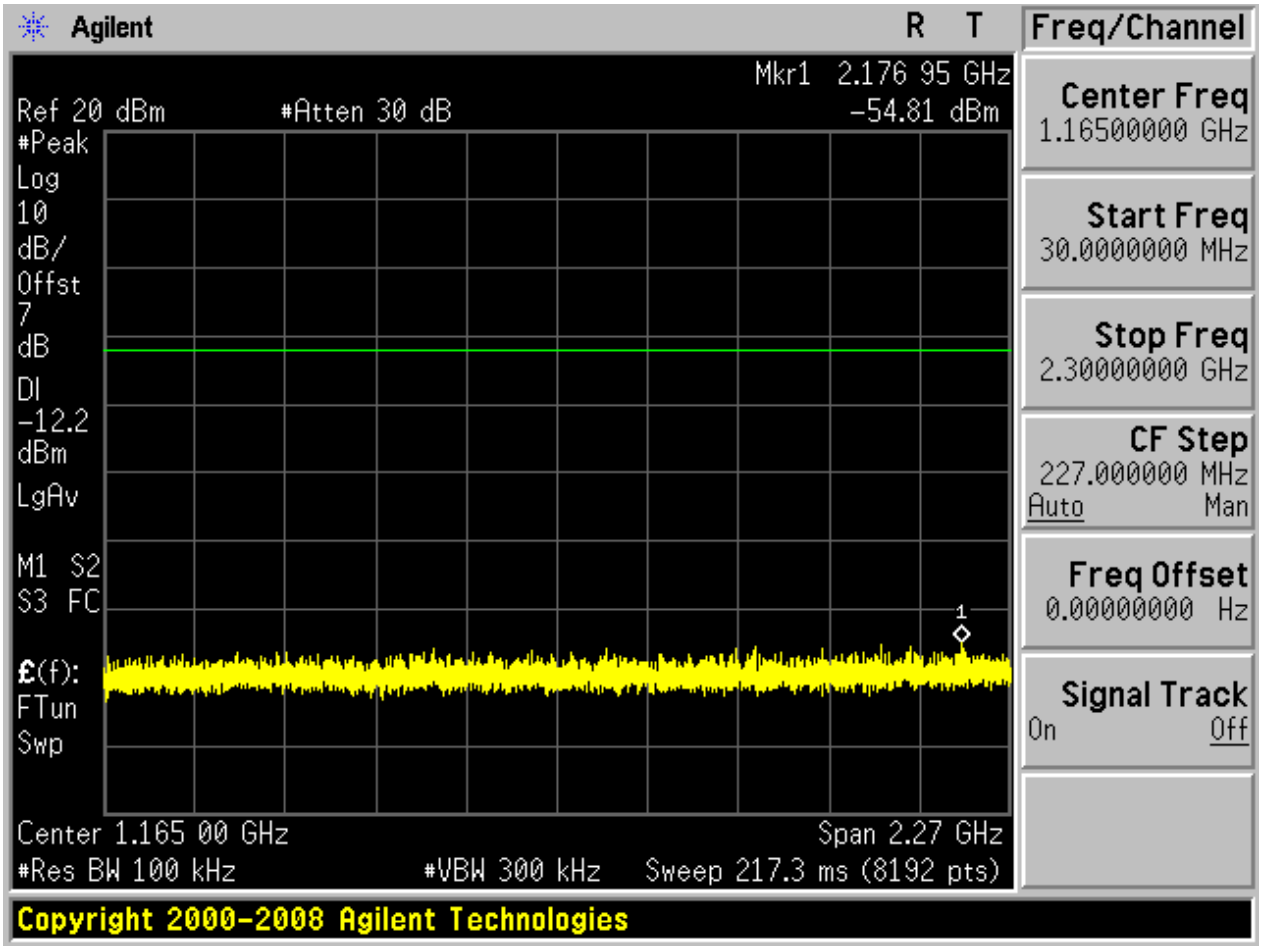
2.3.2 Puw

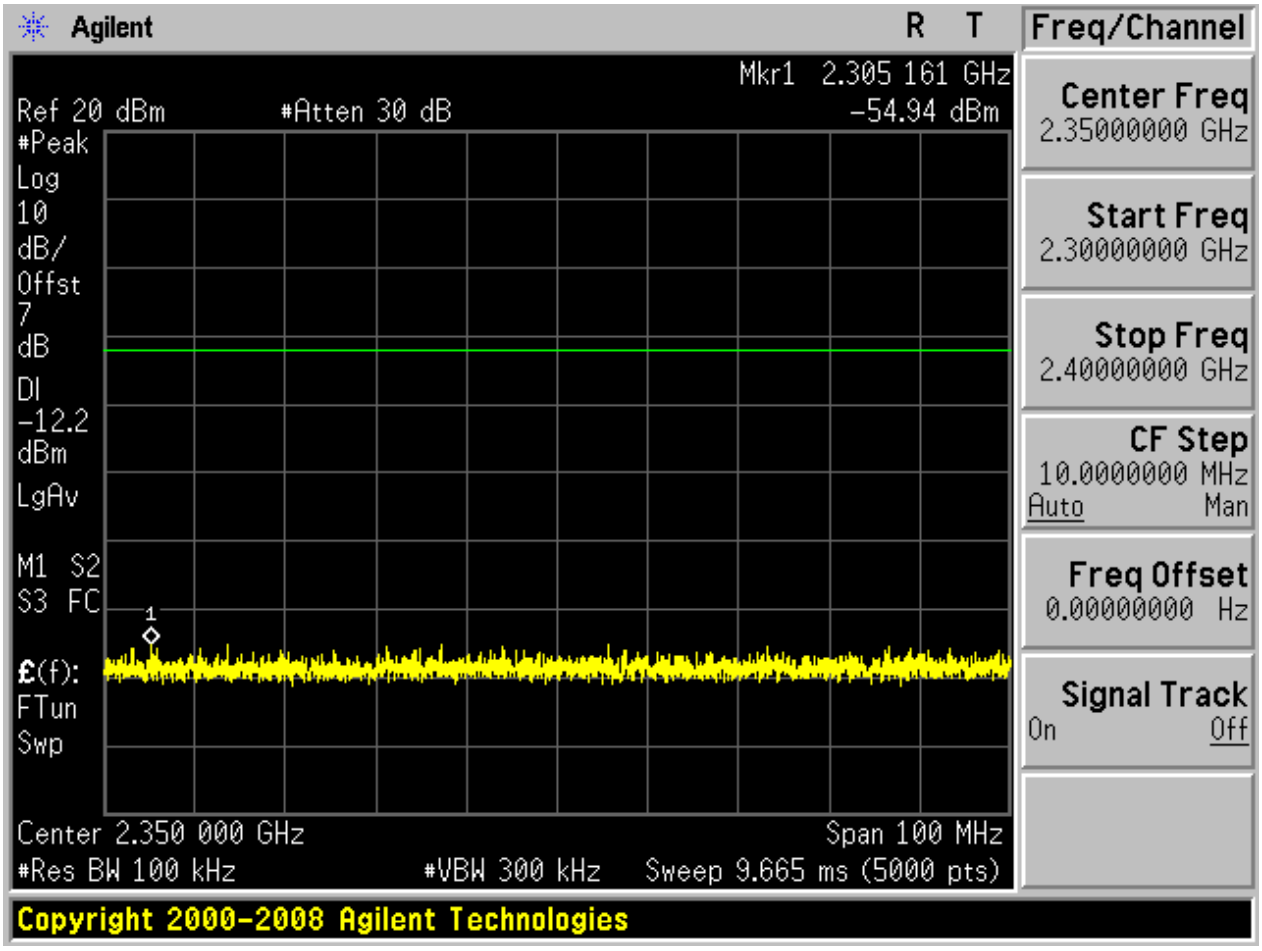


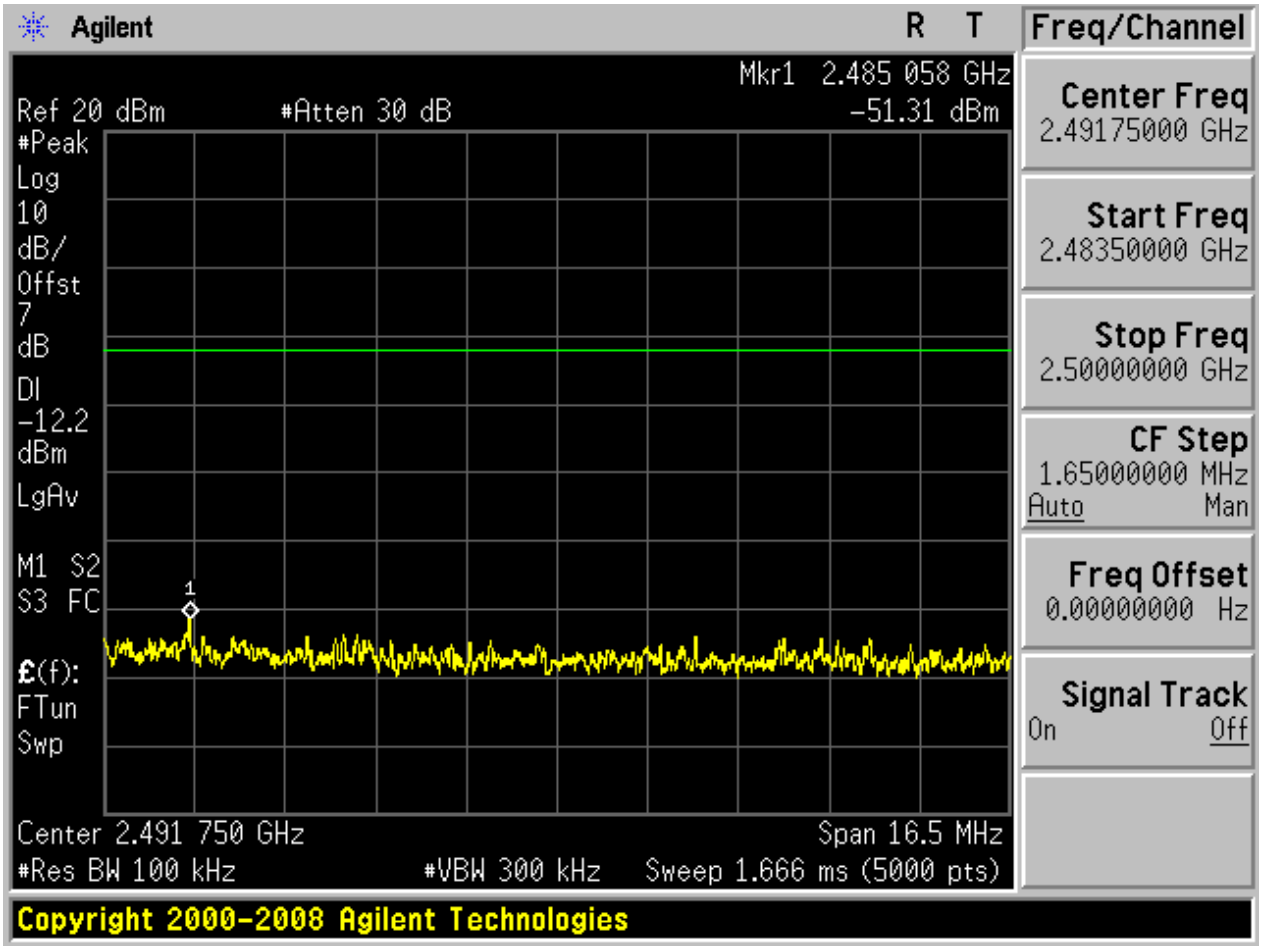
Copyright © Huawei Technologies Co., Ltd.

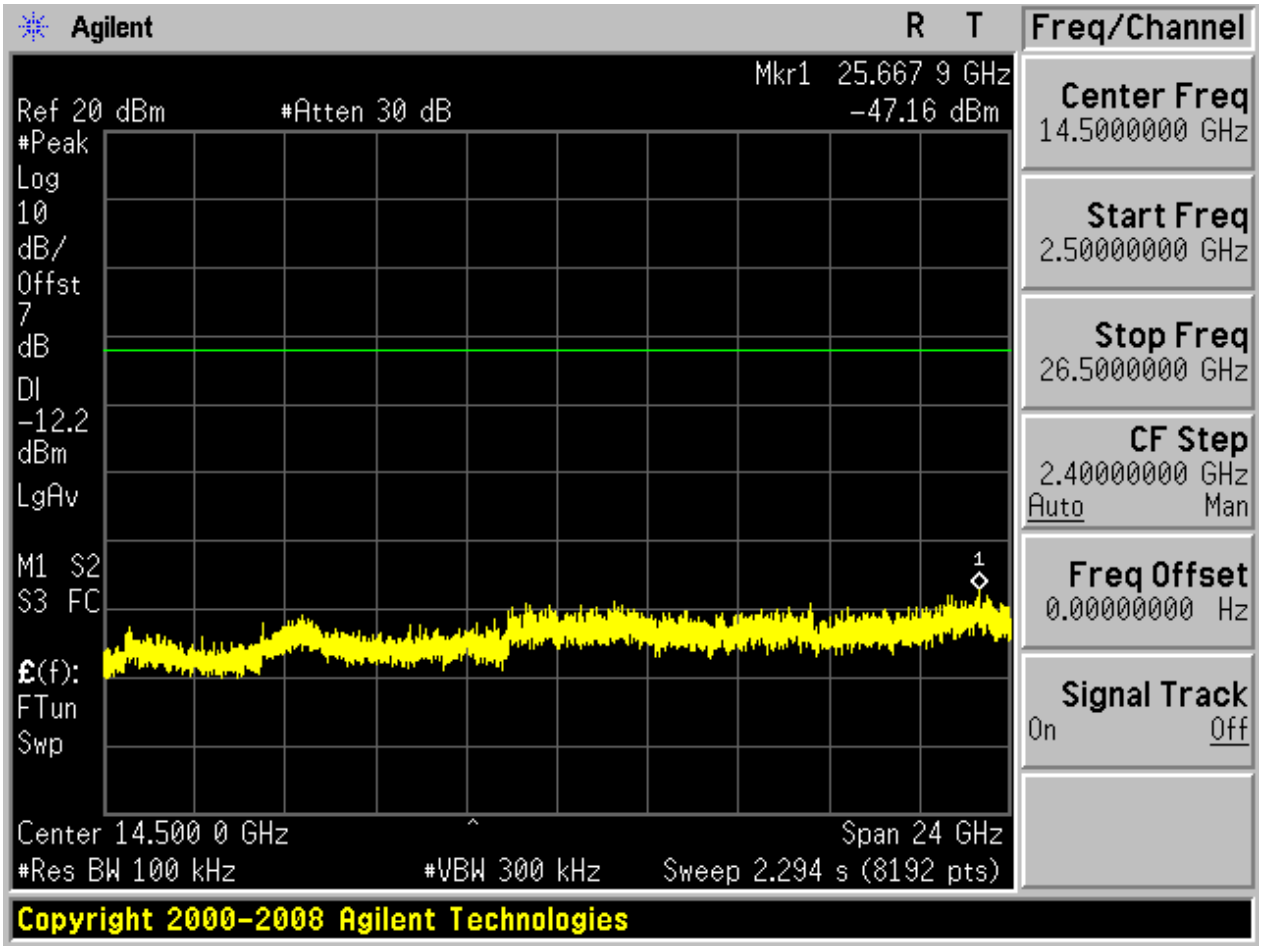


Copyright © Huawei Technologies Co., Ltd.


Agilent
R T
Freq/Channel
Mkr1 2.176 95 GHz
Ref 20 dBm
#Atten 30 dB
-54.81 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.3 ms (8192 pts)
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.305 161 GHz
Ref 20 dBm
#Atten 30 dB
-54.94 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.350 000 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.665 ms (5000 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.485 058 GHz
Ref 20 dBm
#Atten 30 dB
-51.31 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.491 750 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.666 ms (5000 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 25.667 9 GHz
Ref 20 dBm
#Atten 30 dB
-47.16 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 14.500 0 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8192 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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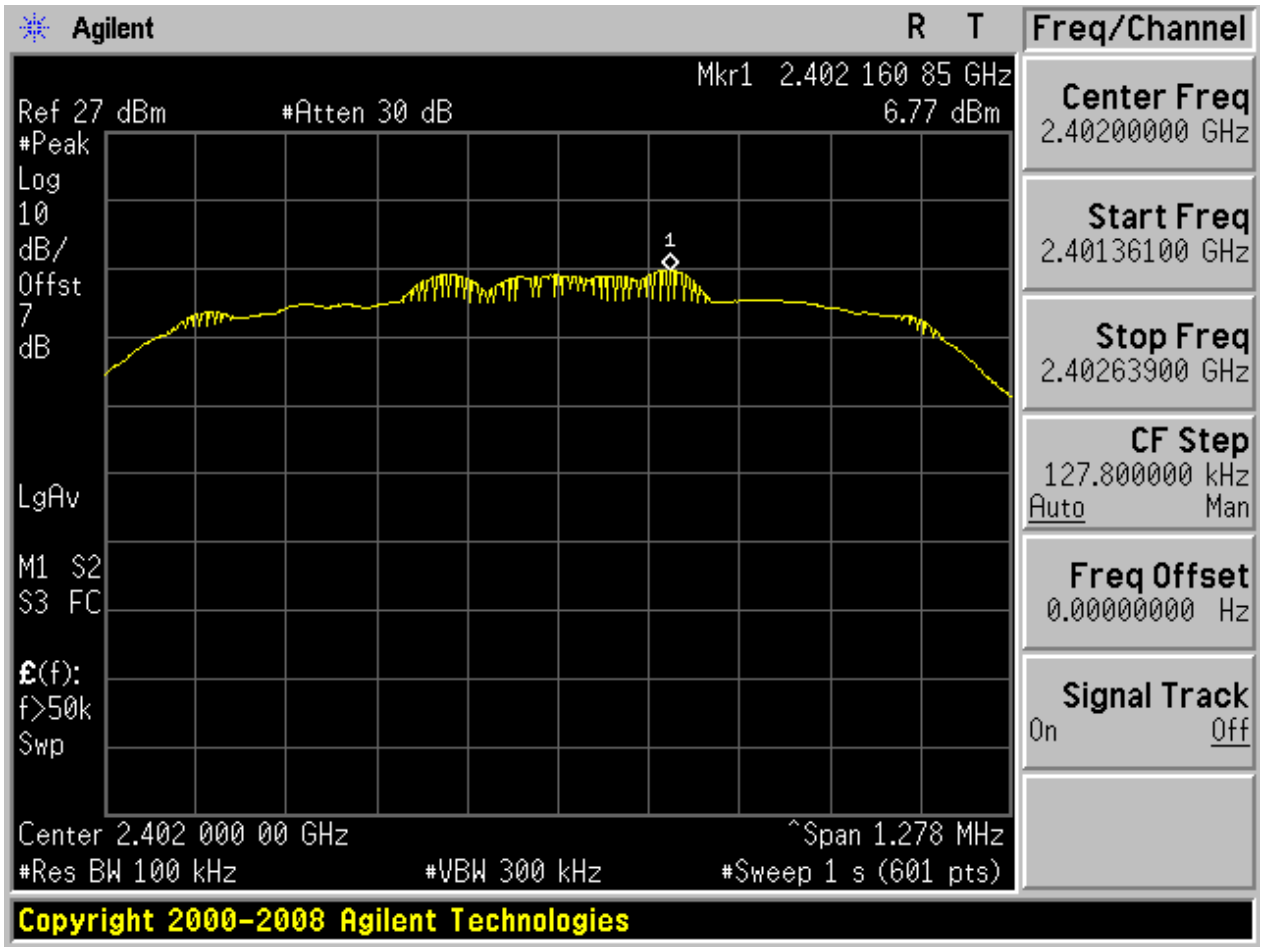
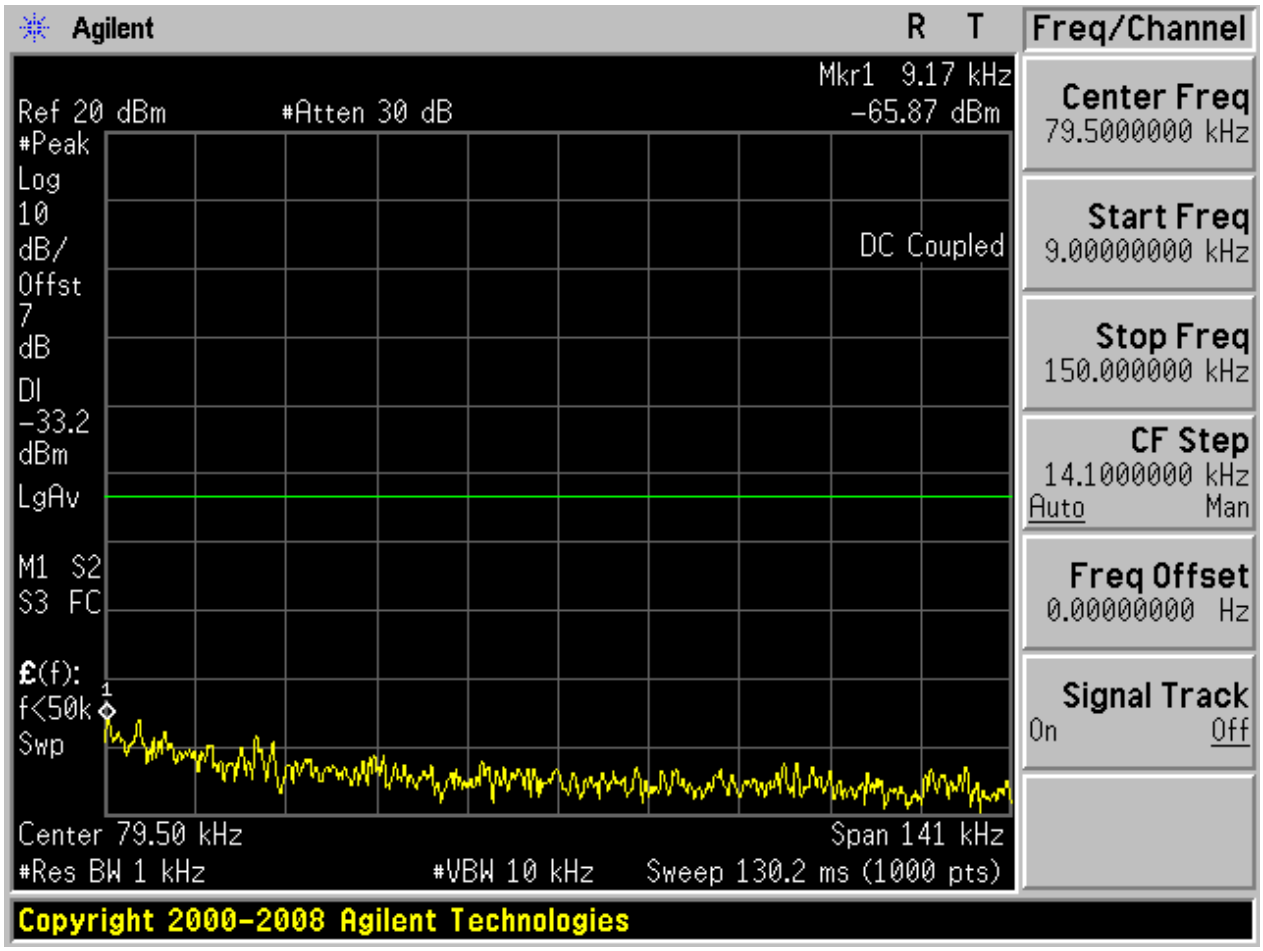
2.4 TM2_2DH5_Ch0

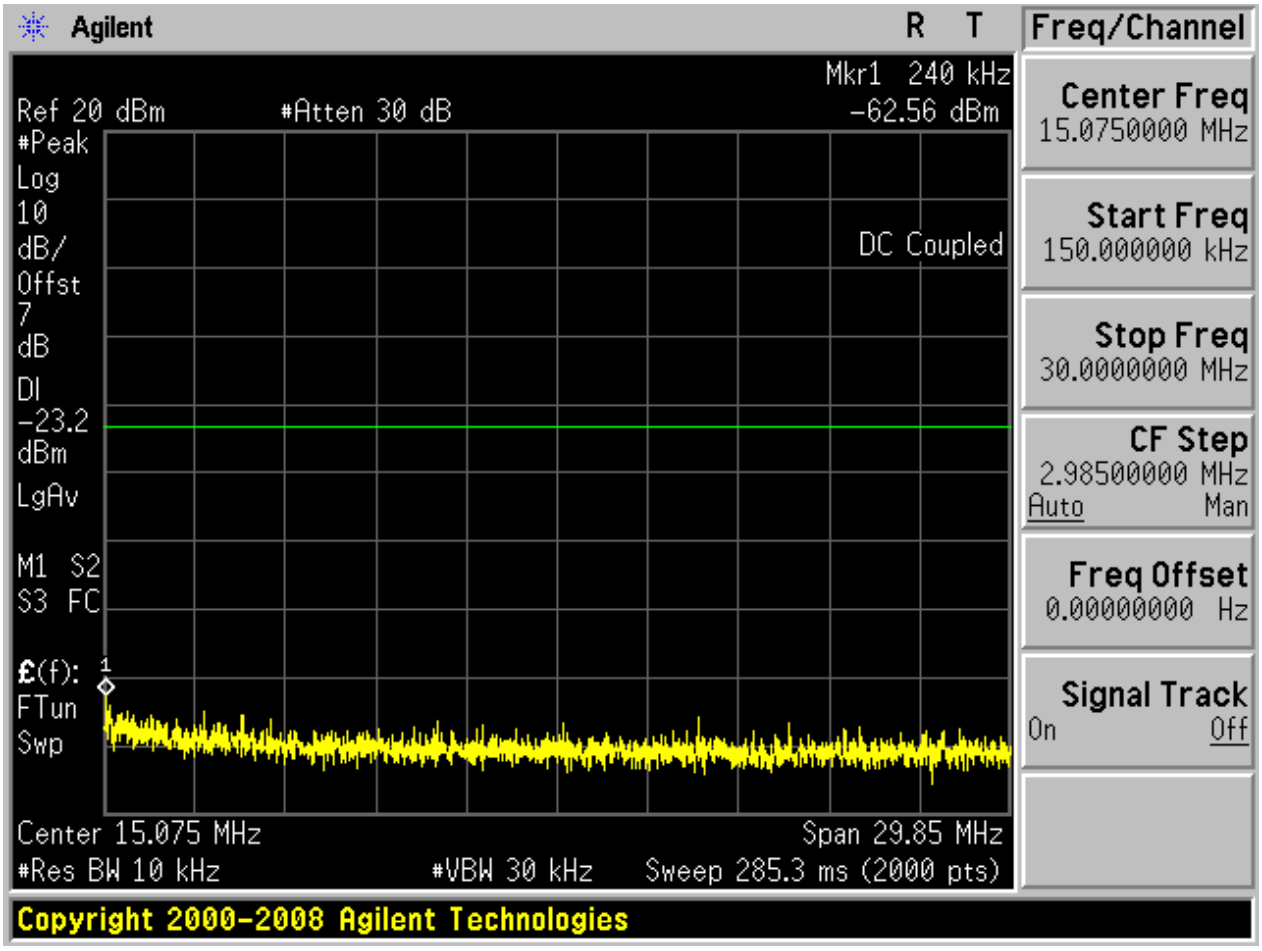
2.4.1 Pref



2.4.2 Puw



Copyright © Huawei Technologies Co., Ltd.



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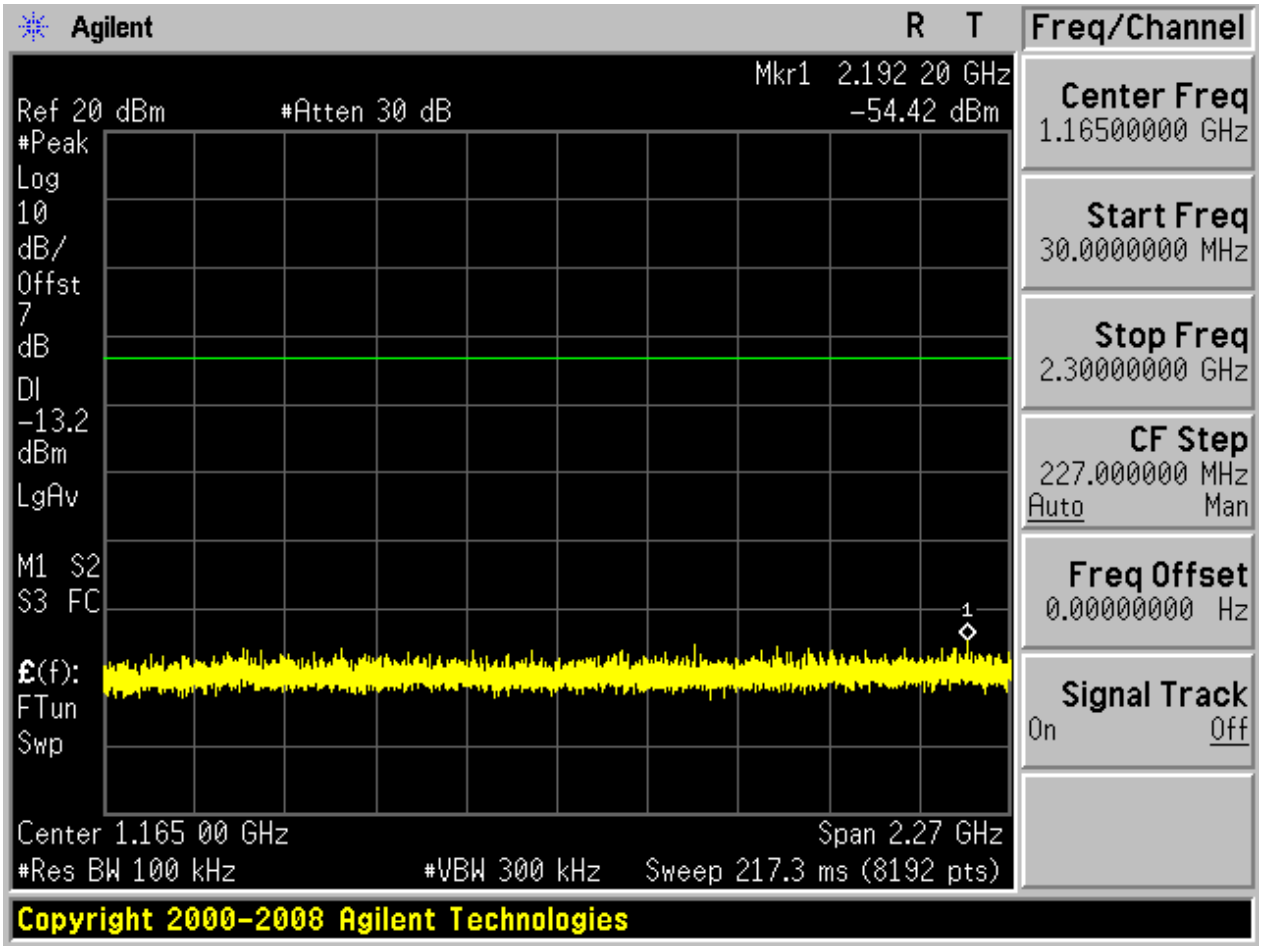

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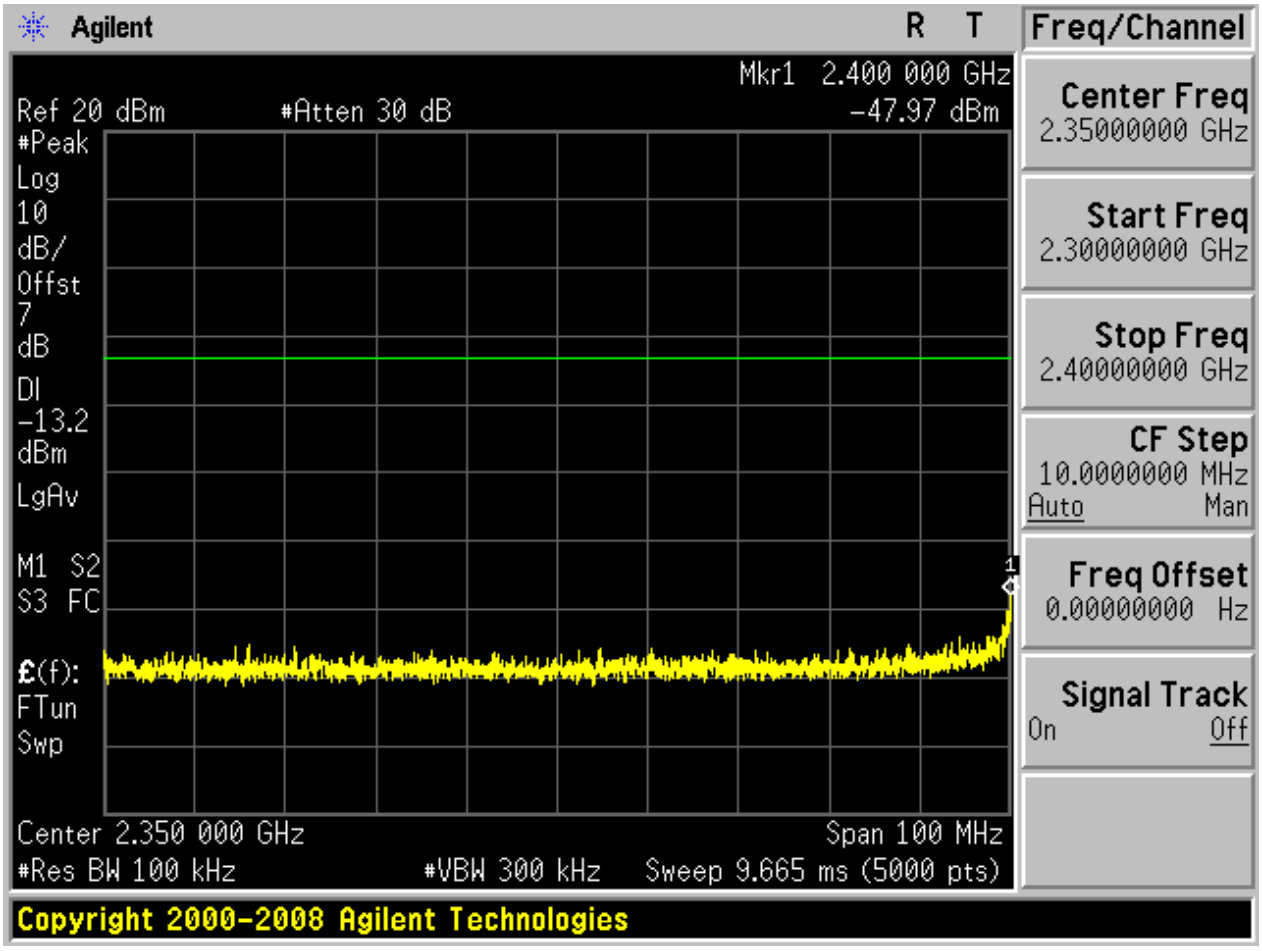
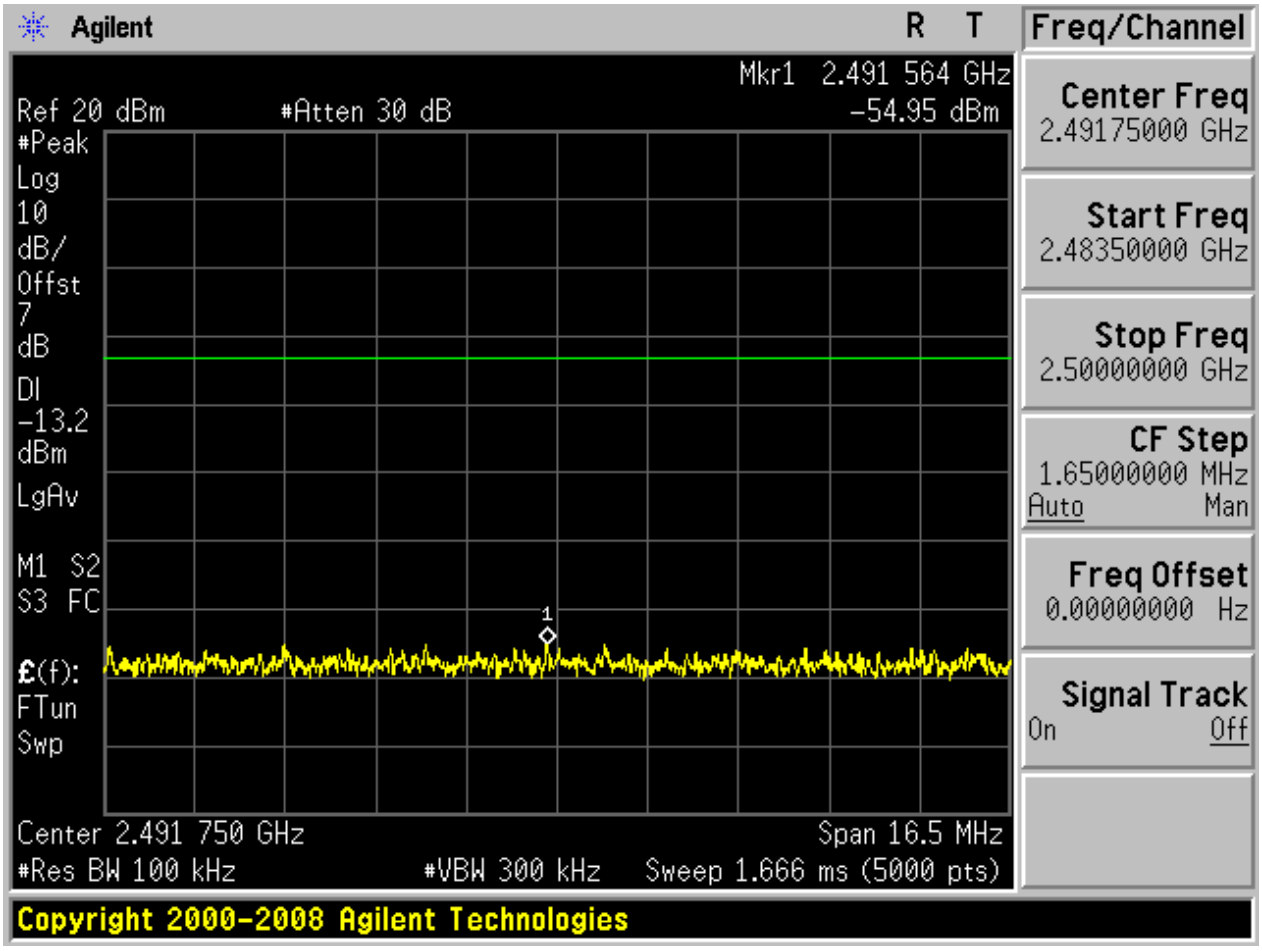
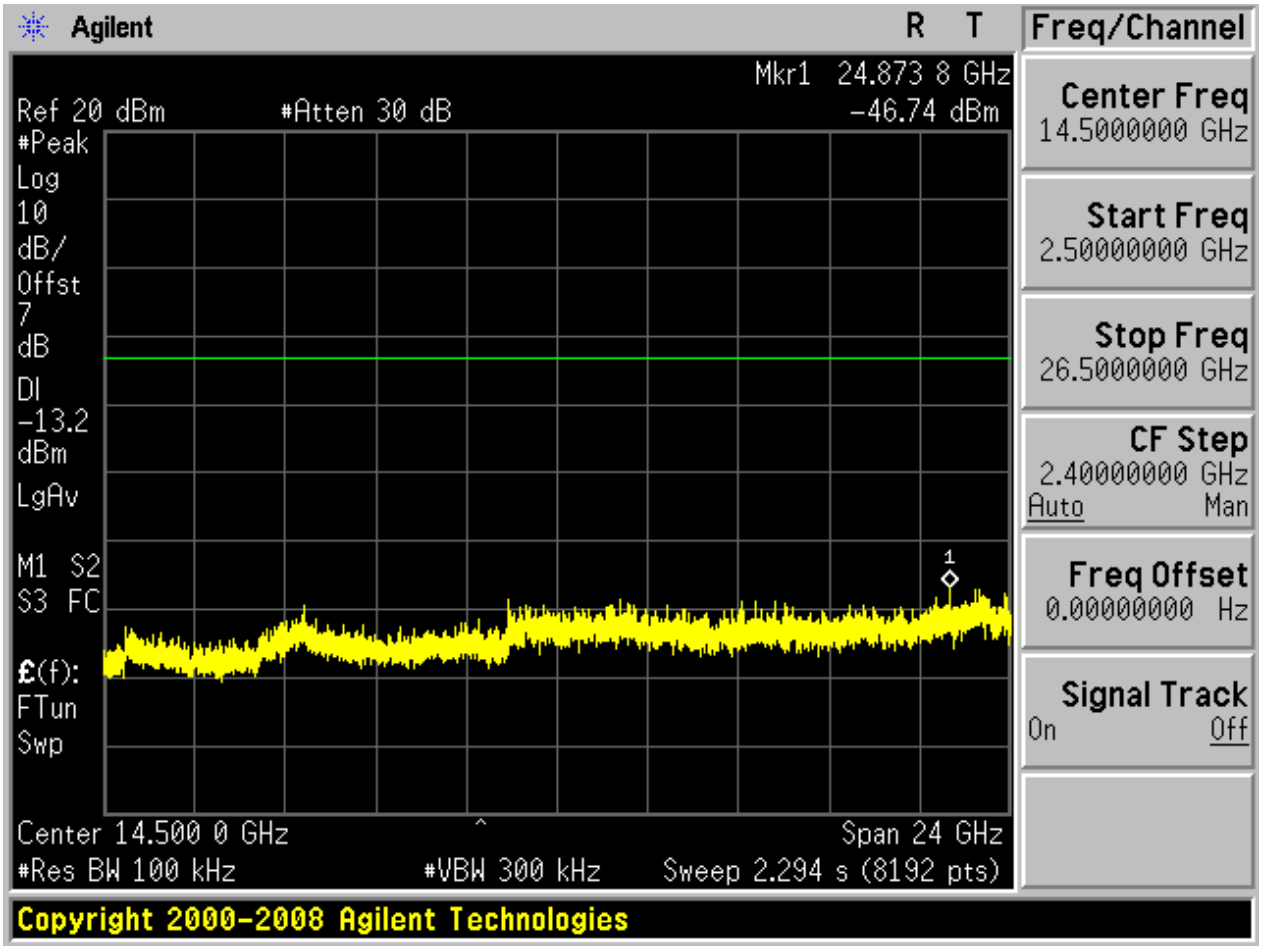


Copyright © Huawei Technologies Co., Ltd.


Agilent
R T
Freq/Channel
Mkr1 2.491 564 GHz
Ref 20 dBm
#Atten 30 dB
-54.95 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-13.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.491 750 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.666 ms (5000 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 24.873 8 GHz
Ref 20 dBm
#Atten 30 dB
-46.74 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-13.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 14.500 0 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8192 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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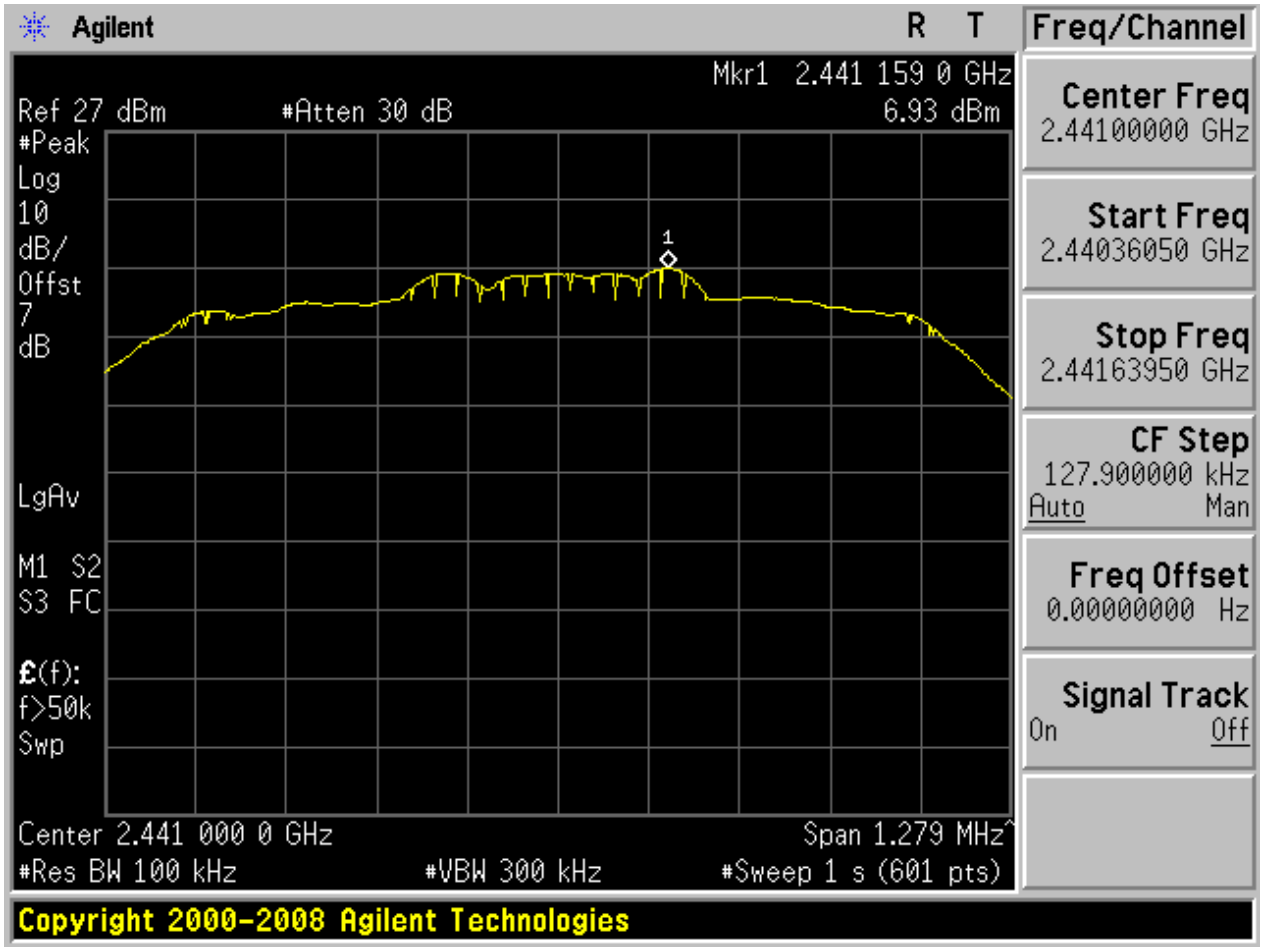
2.5 TM2_2DH5_Ch39

2.5.1 Pref



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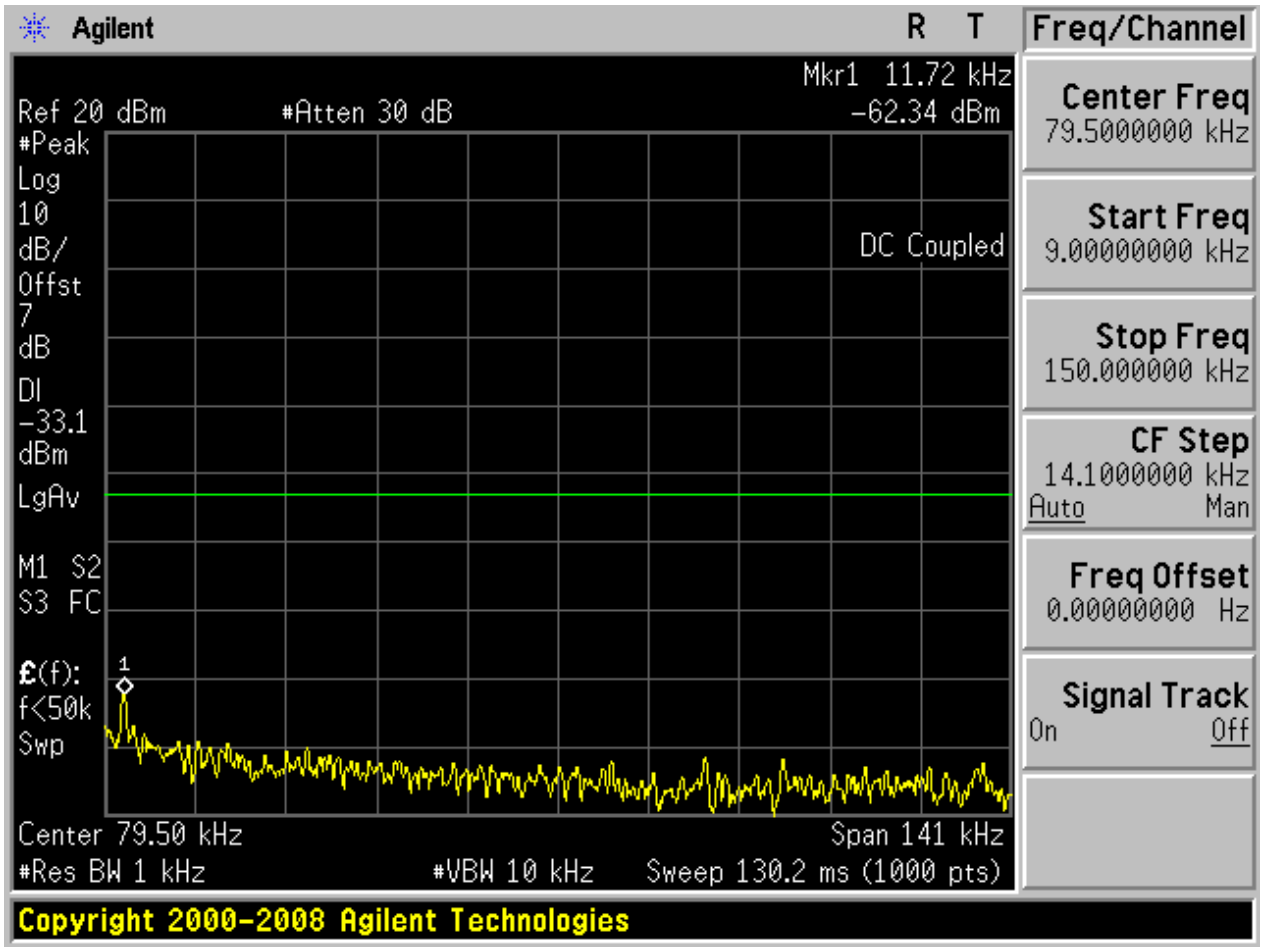
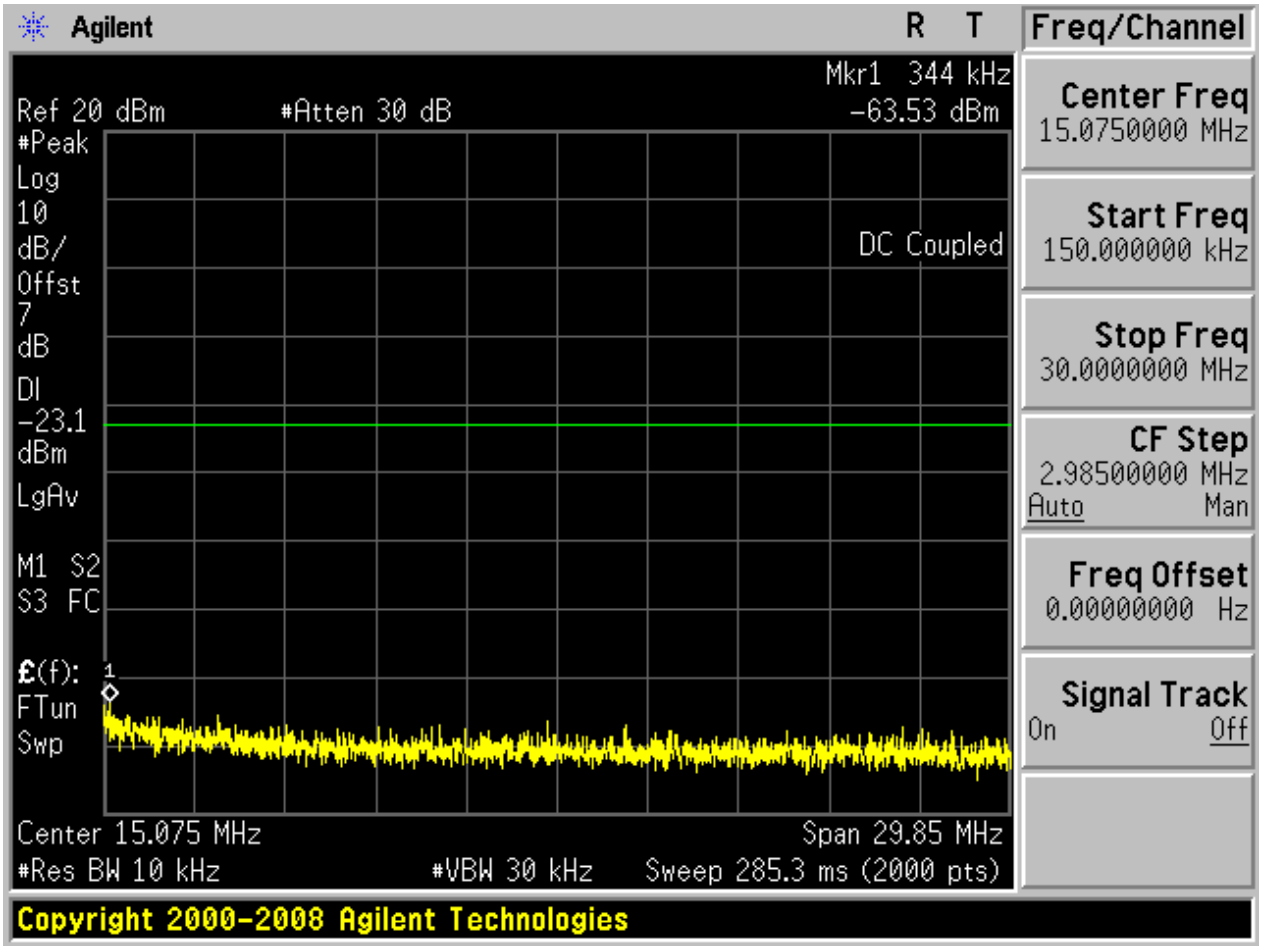
2.5.2 Puw



Copyright © Huawei Technologies Co., Ltd.



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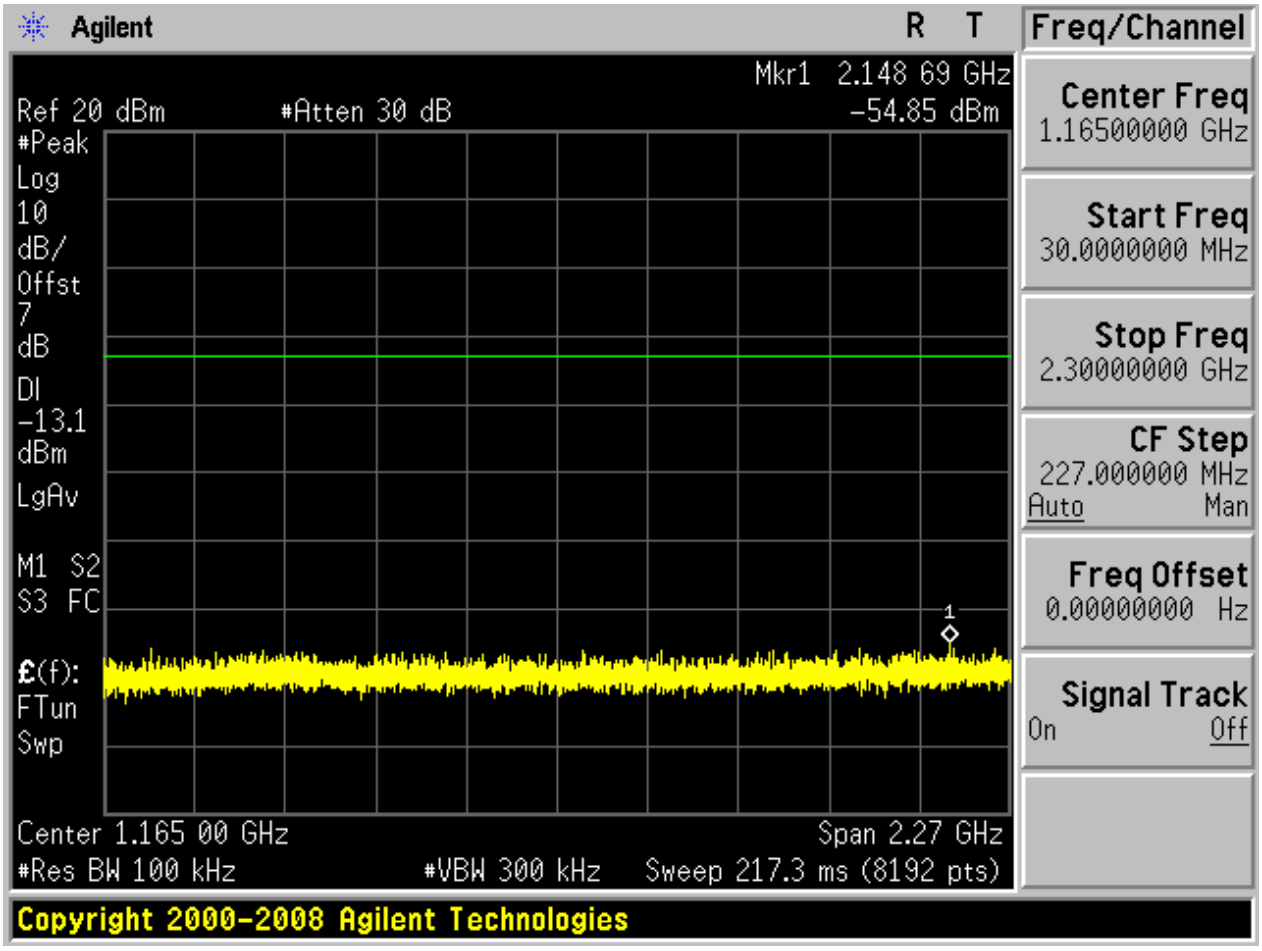
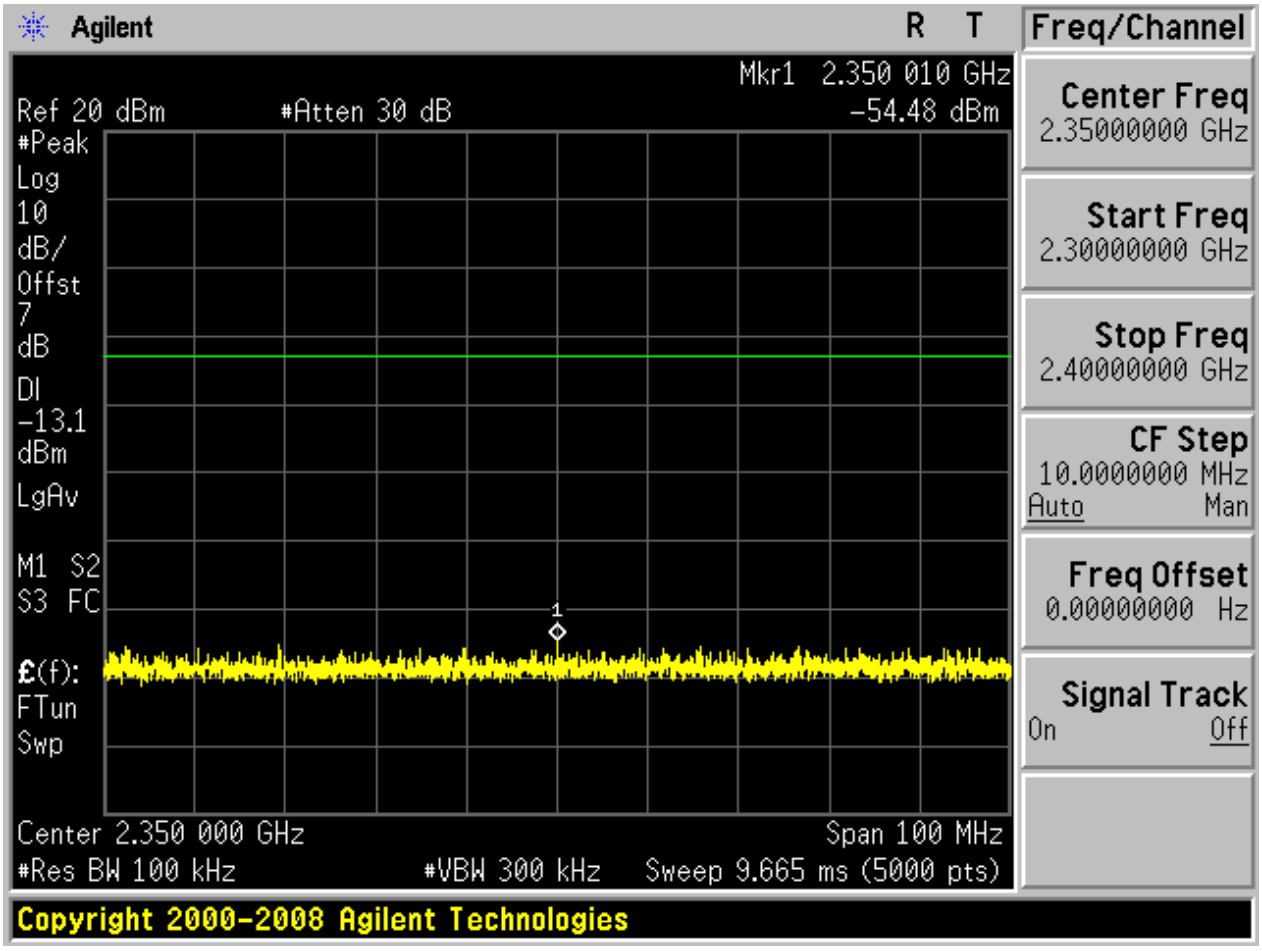

Agilent
R T
Freq/Channel
Mkr1 2.148 69 GHz
Ref 20 dBm
#Atten 30 dB
-54.85 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-13.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.3 ms (8192 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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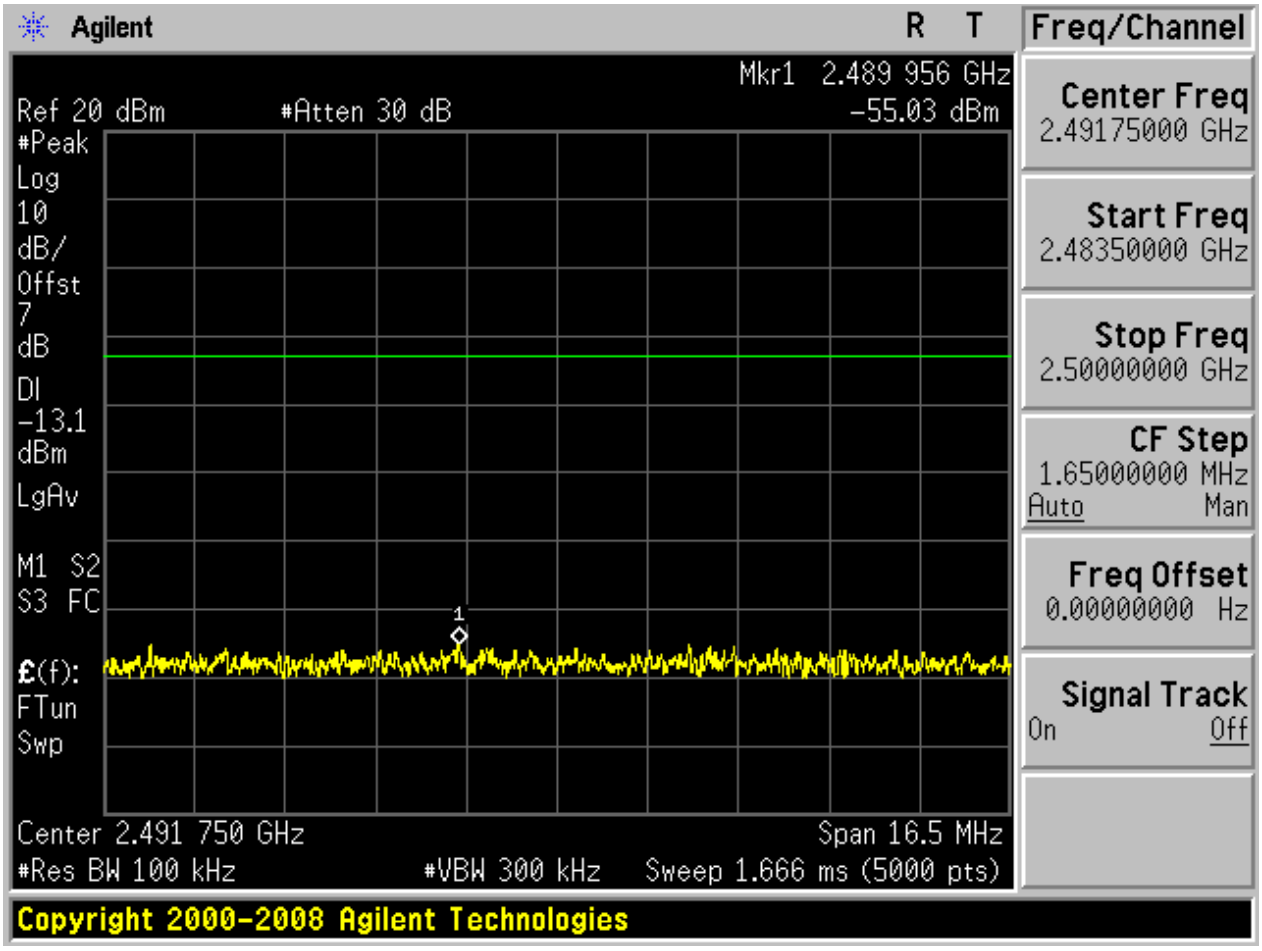
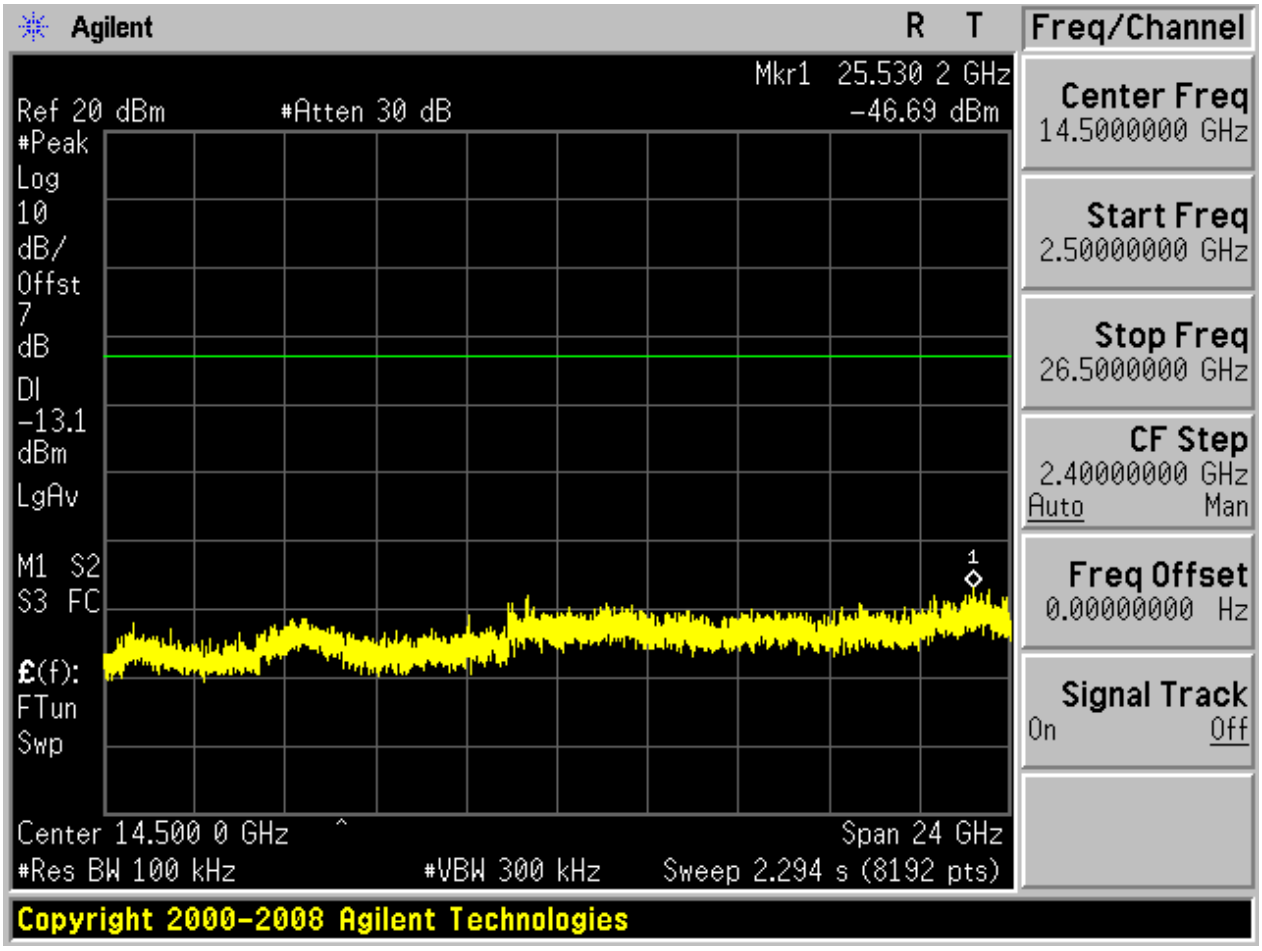
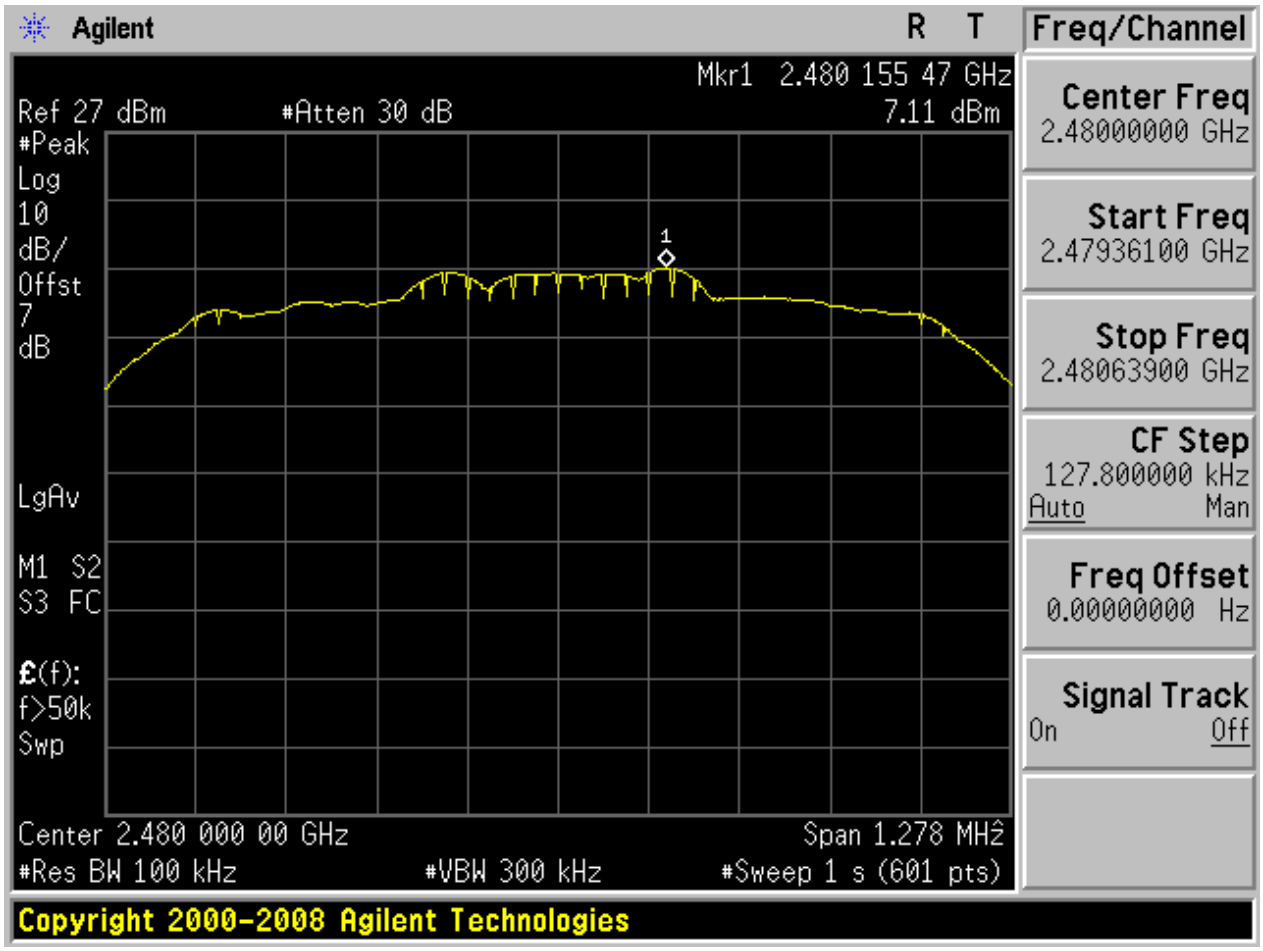


Copyright © Huawei Technologies Co., Ltd.

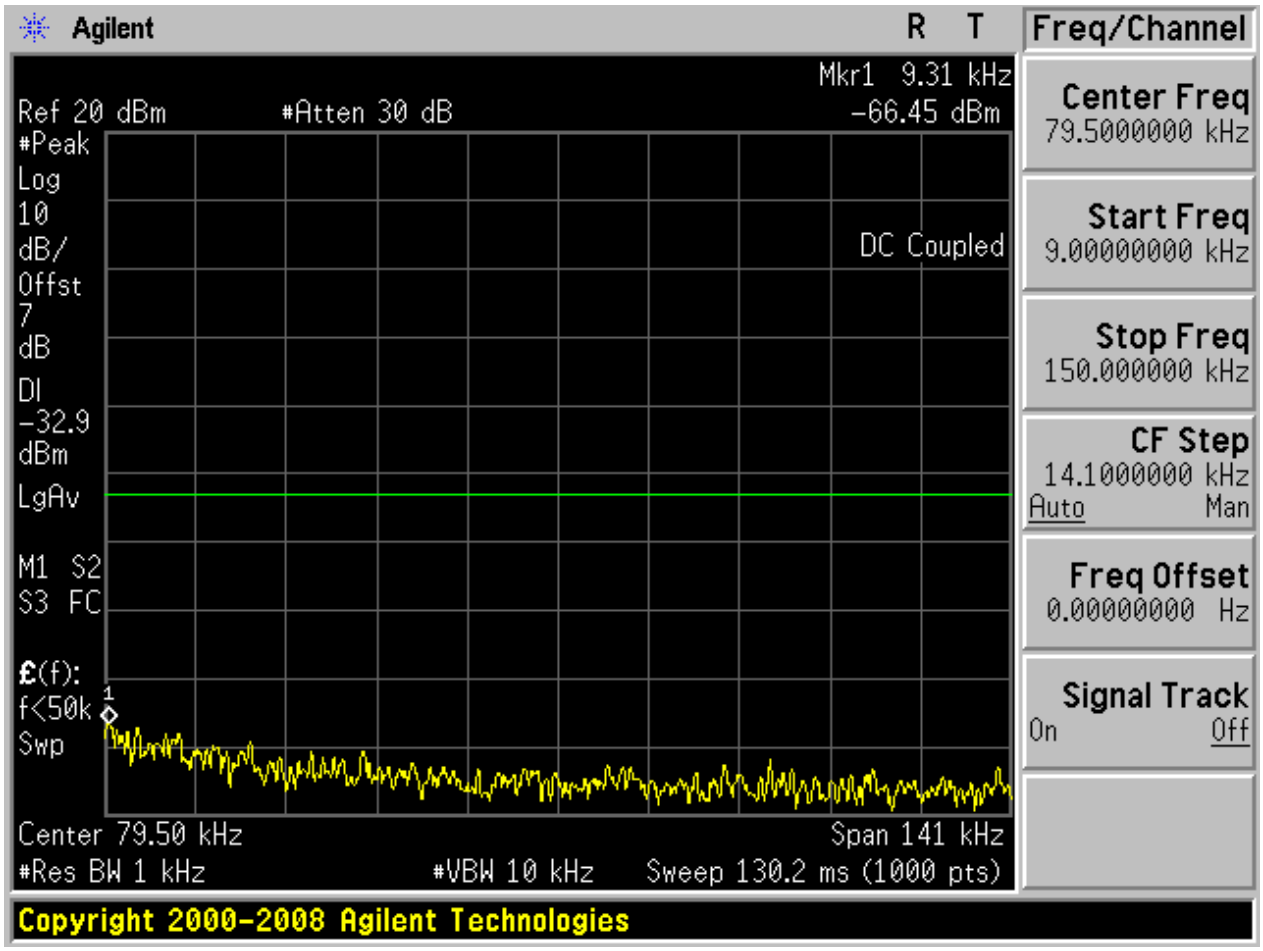

Agilent
R T
Freq/Channel
Mkr1 25.530 2 GHz
Ref 20 dBm
#Atten 30 dB
-46.69 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-13.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 14.500 0 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8192 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies

2.6 TM2_2DH5_Ch78

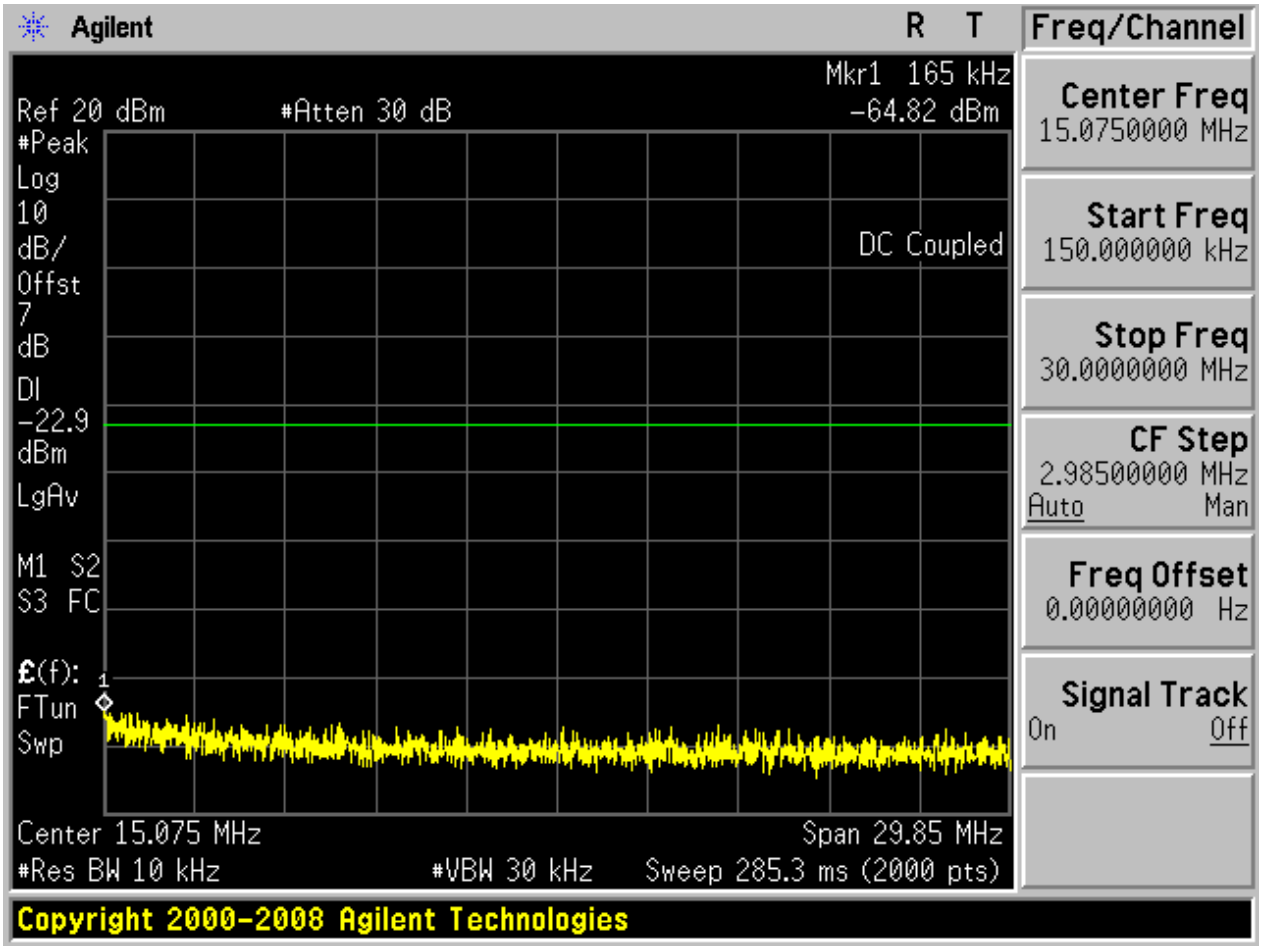
2.6.1 Pref



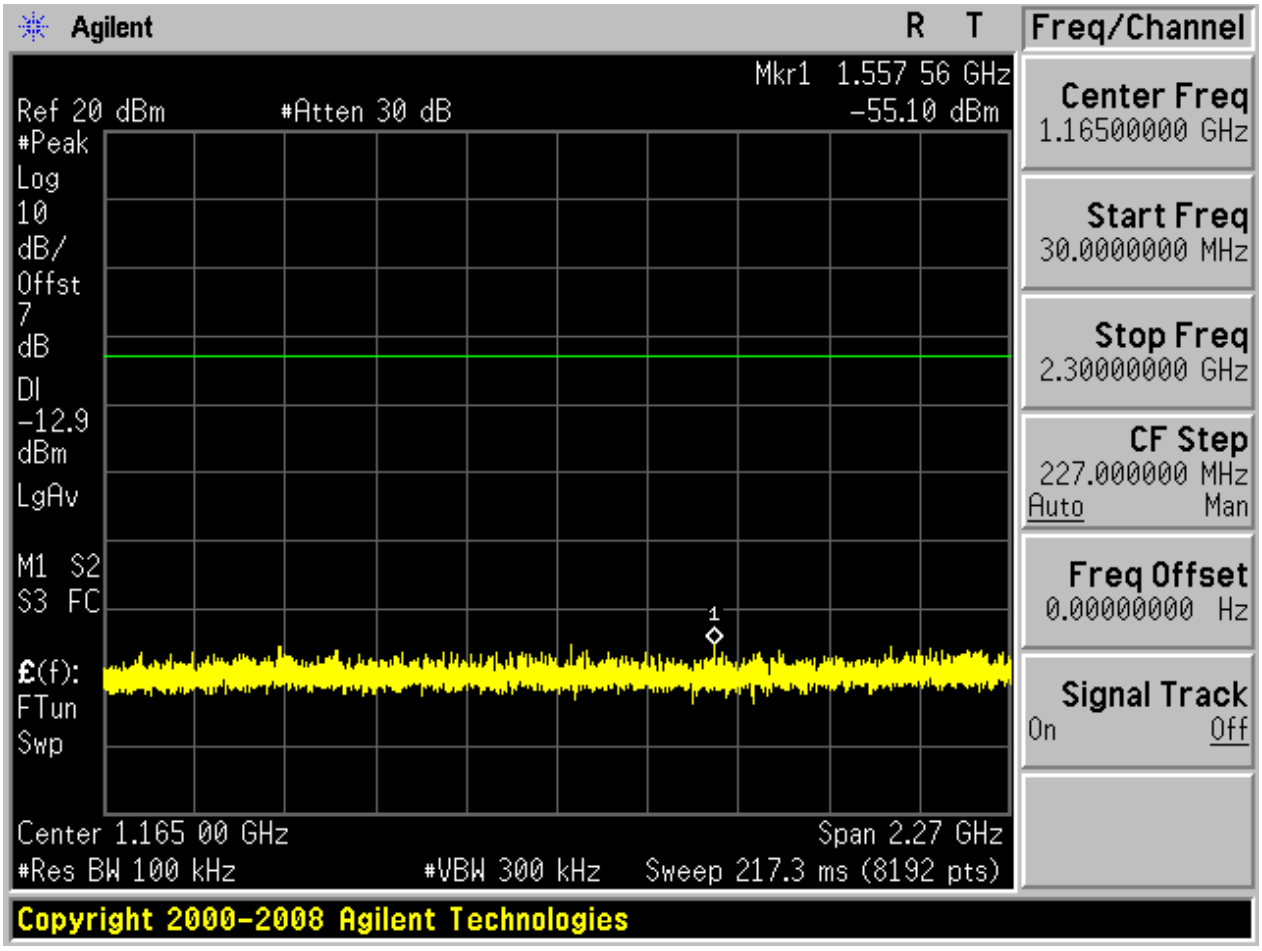
2.6.2 Puw

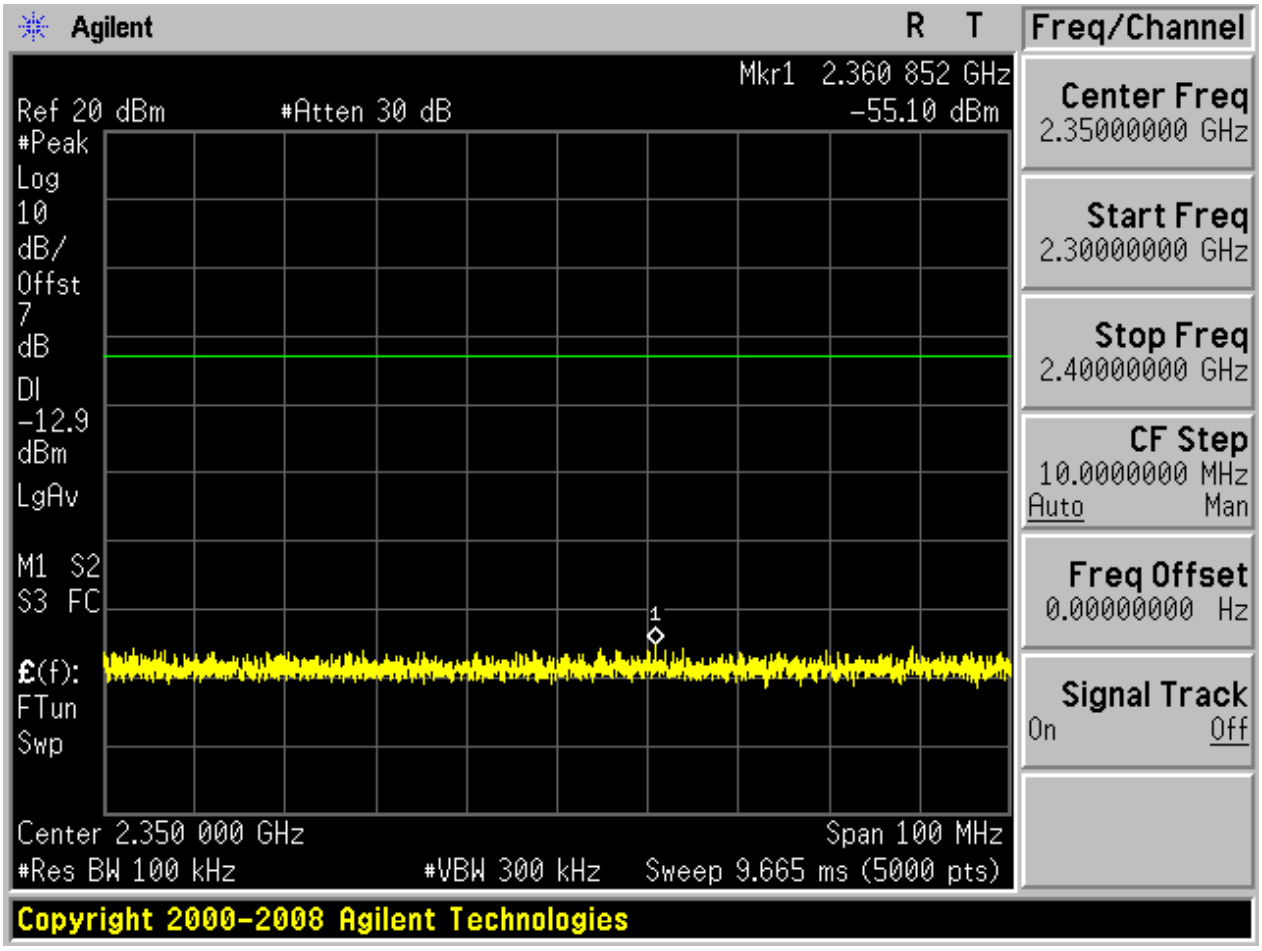


Copyright © Huawei Technologies Co., Ltd.



Copyright © Huawei Technologies Co., Ltd.


Agilent
R T
Freq/Channel
Mkr1 1.557 56 GHz
Ref 20 dBm
#Atten 30 dB
-55.10 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.3 ms (8192 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



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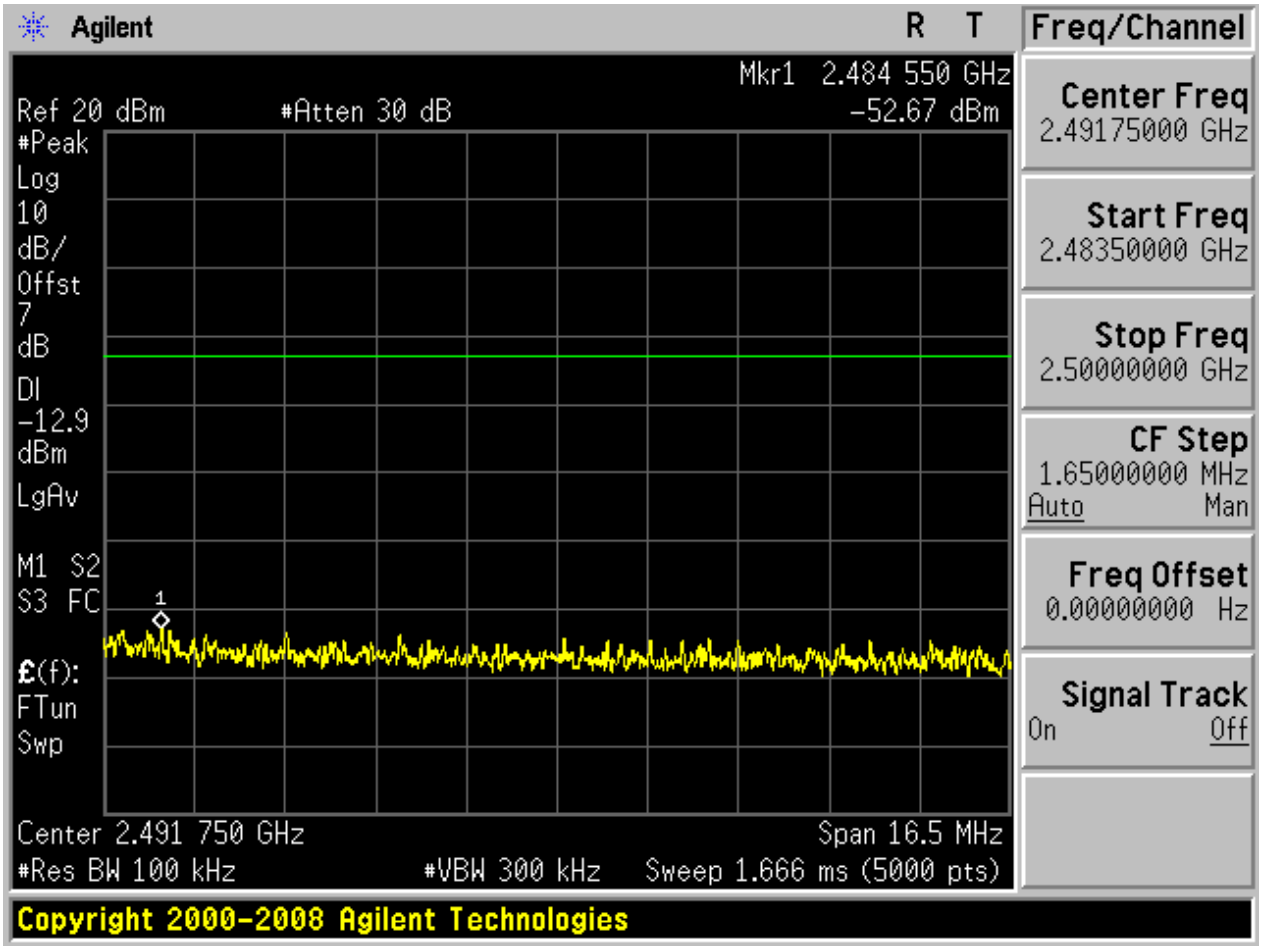
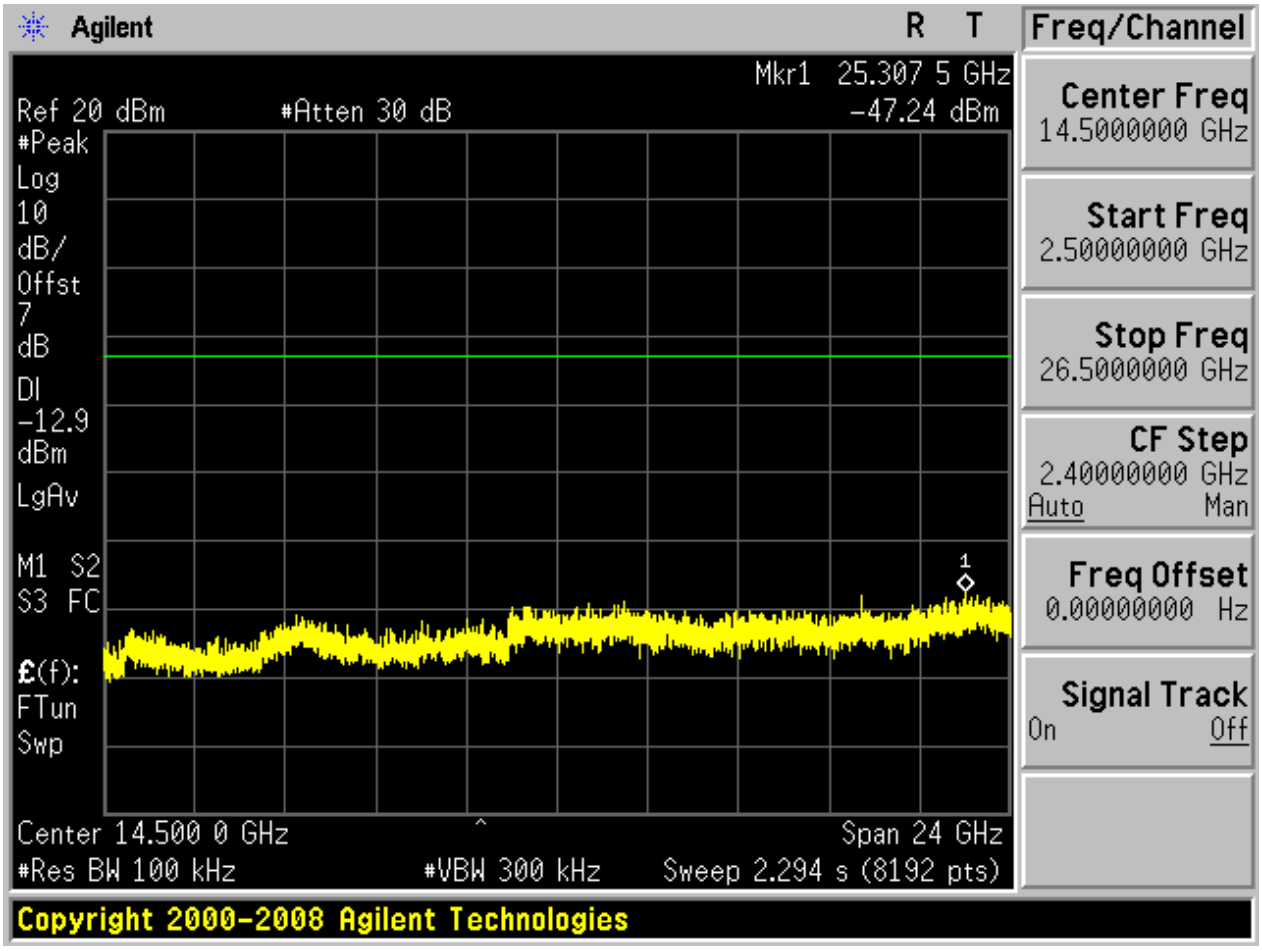
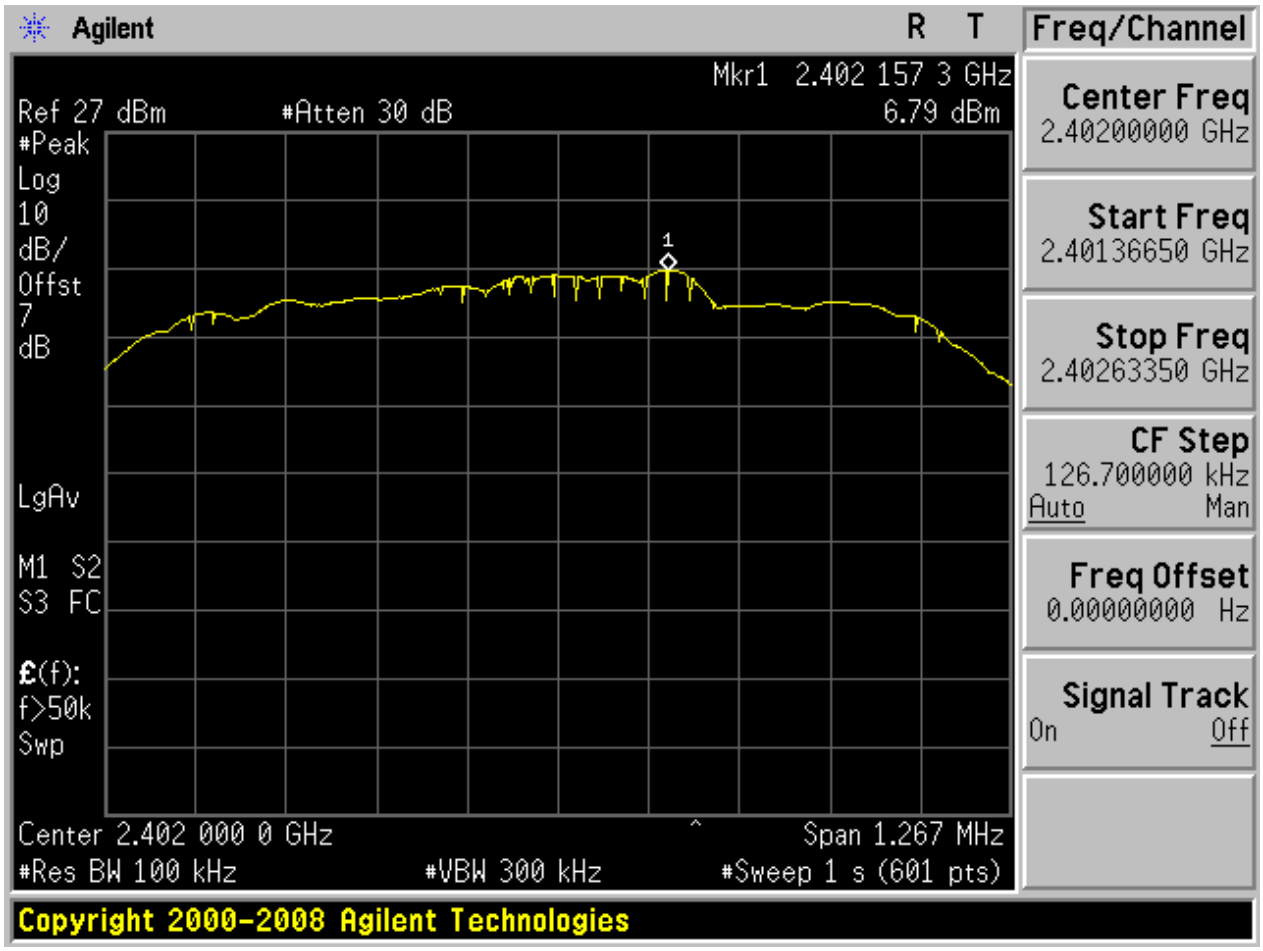

Agilent
R T
Freq/Channel
Mkr1 2.484 550 GHz
Ref 20 dBm
#Atten 30 dB
-52.67 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.9
dBm
LgAv
M1 S2
S3 FC
1
£(f):
FTun
Swp
Center 2.491 750 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.666 ms (5000 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 25.307 5 GHz
Ref 20 dBm
#Atten 30 dB
-47.24 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
1
Center 14.500 0 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8192 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies

2.7 TM3_3DH5_Ch0

2.7.1 Pref



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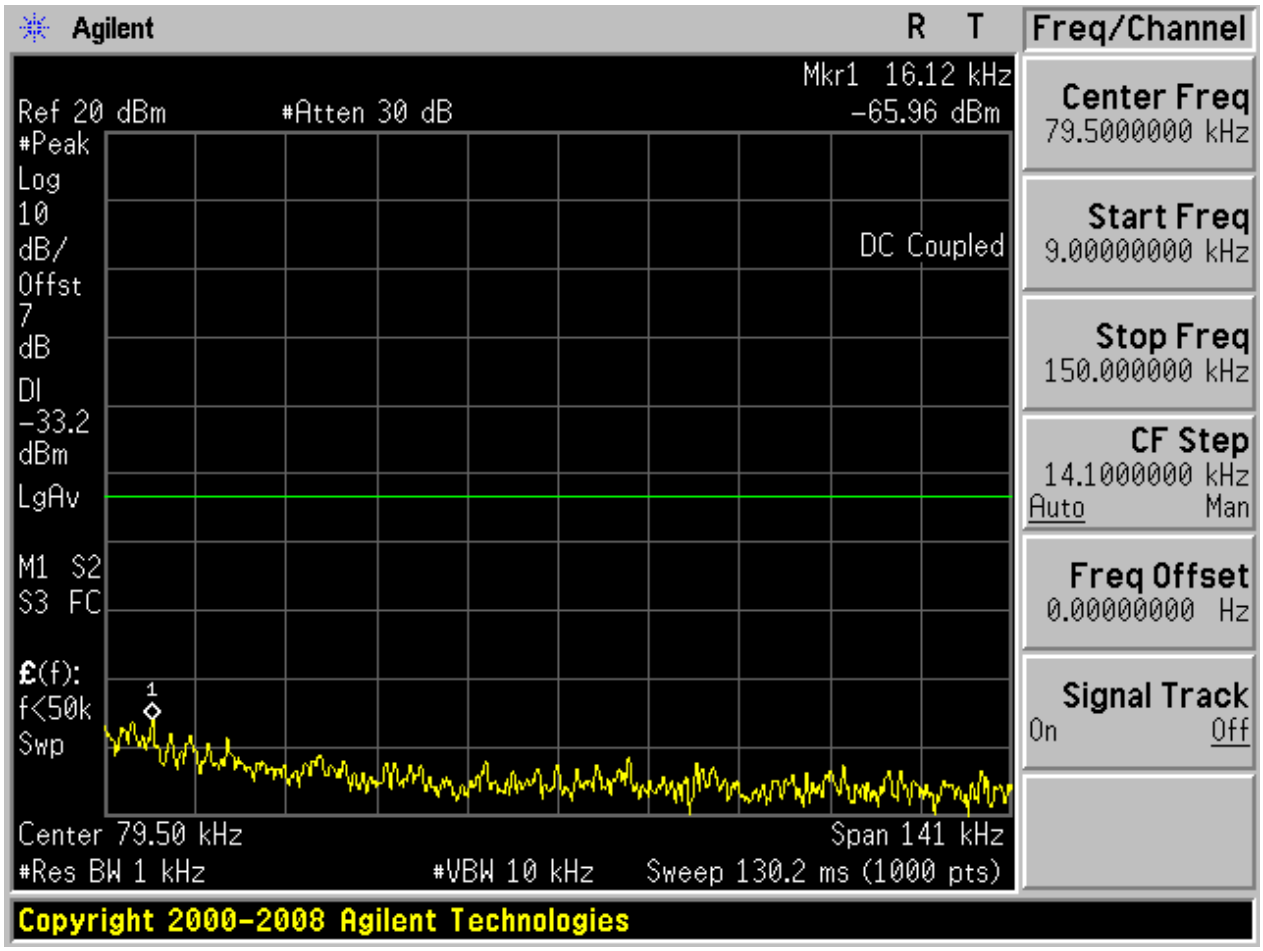
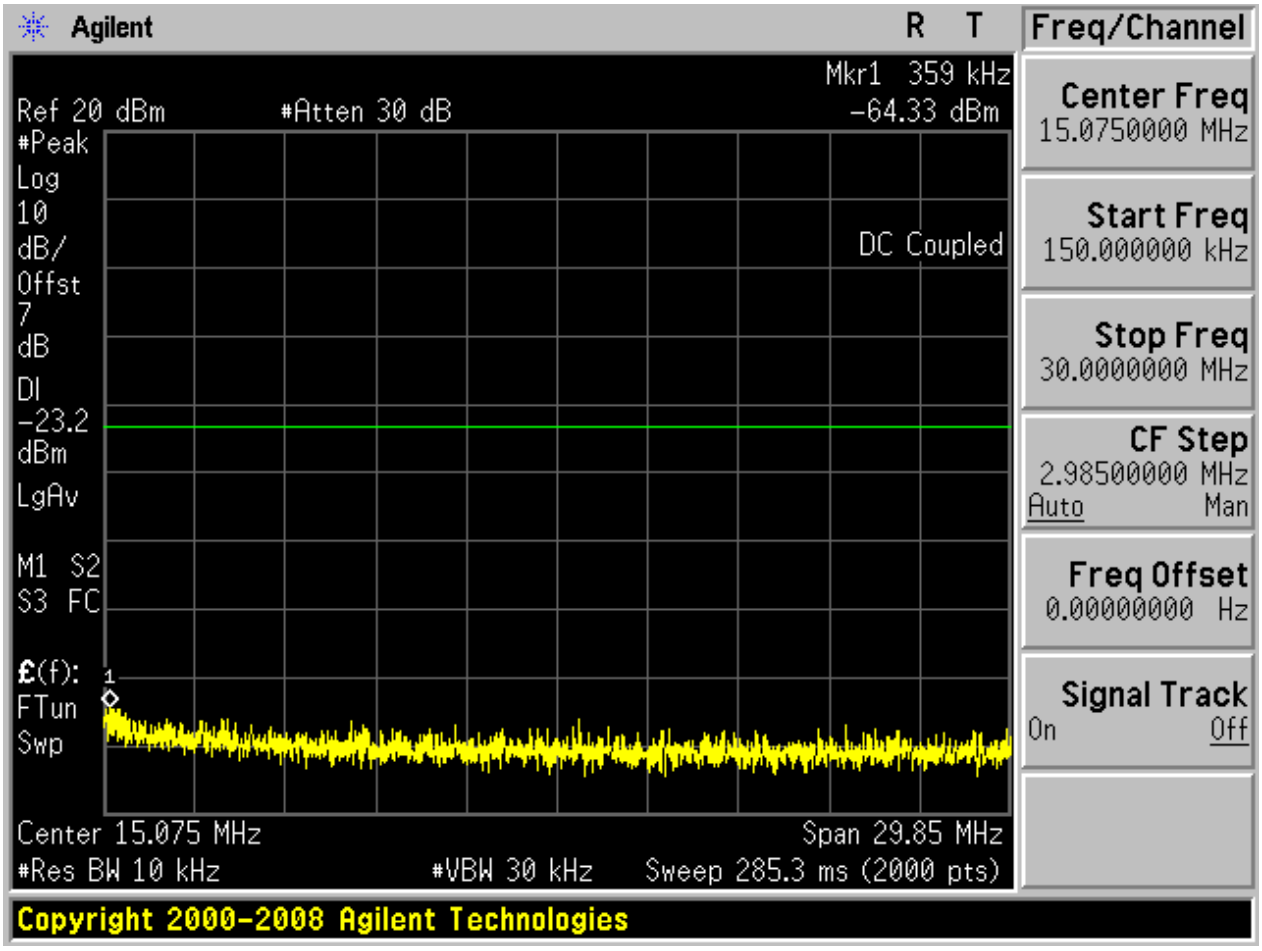
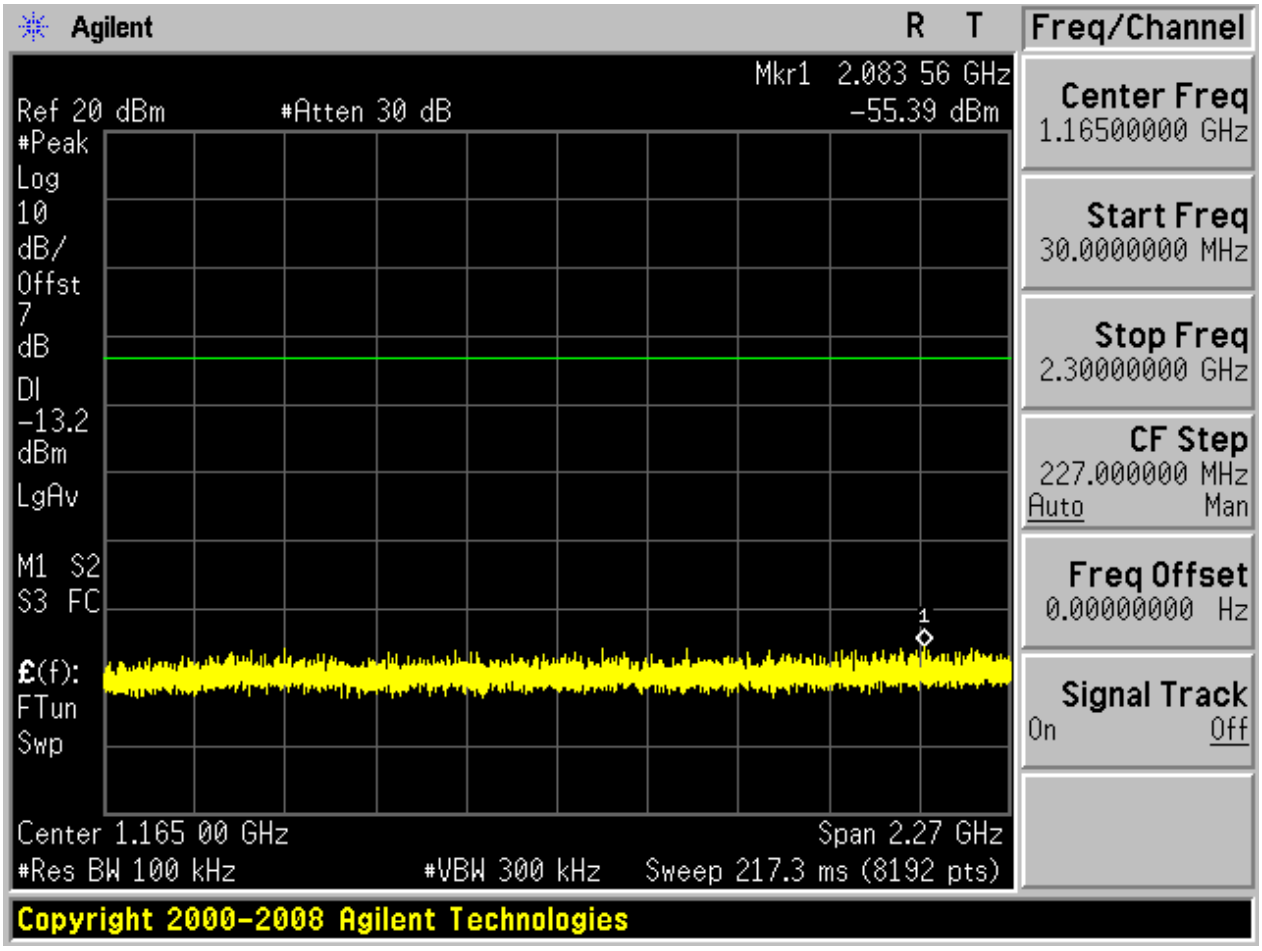
2.7.2 Puw

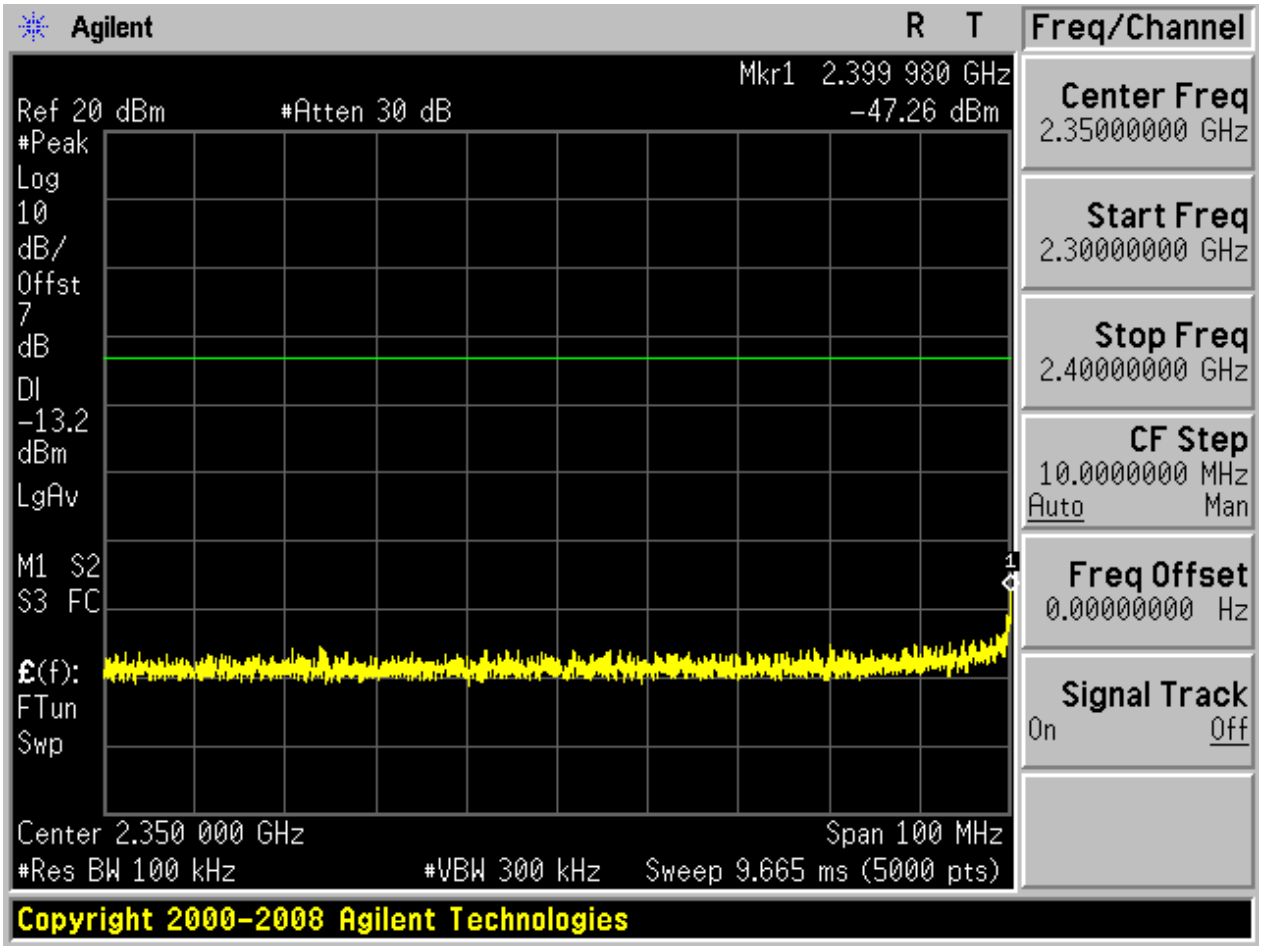


Copyright © Huawei Technologies Co., Ltd.

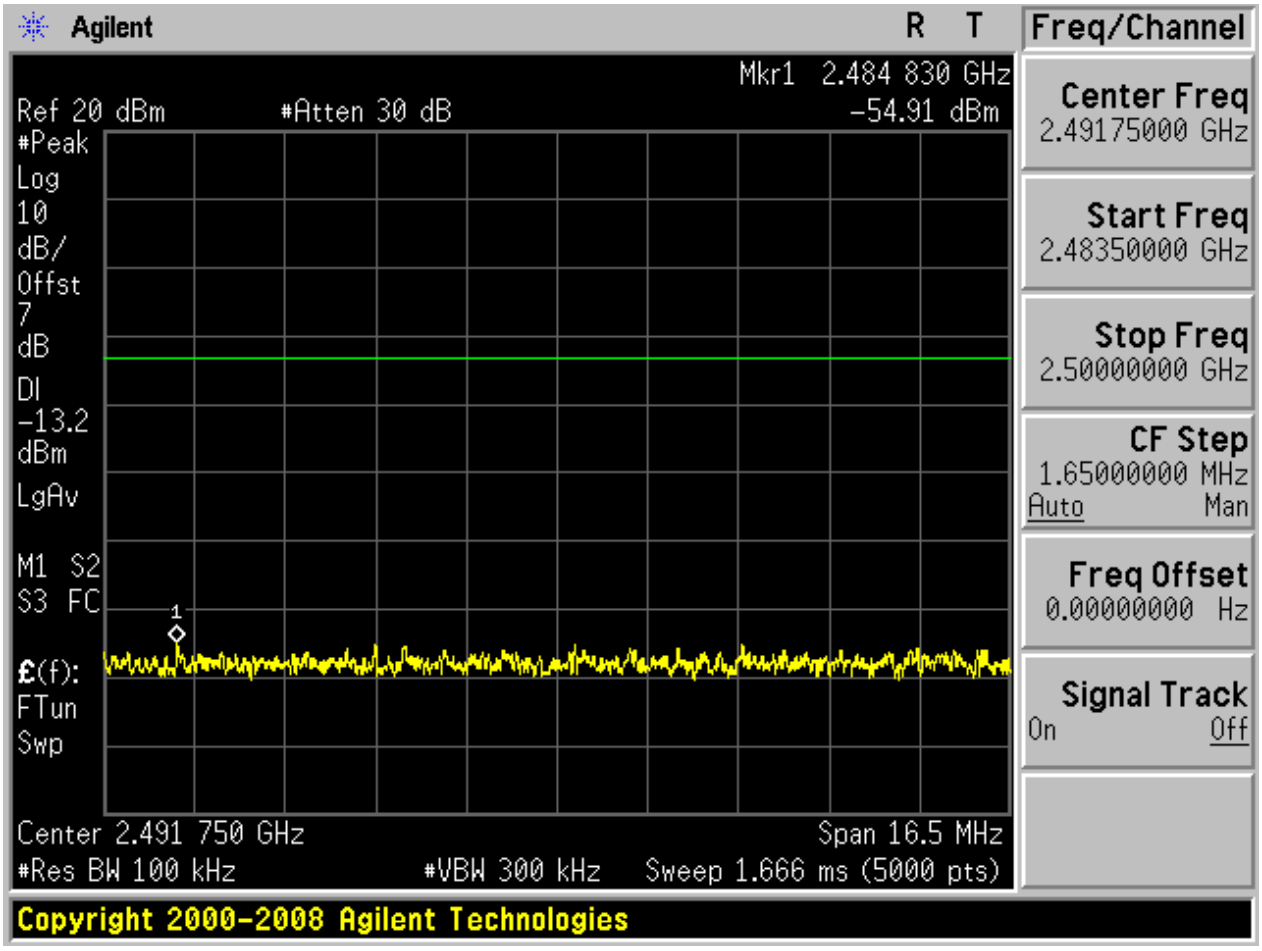


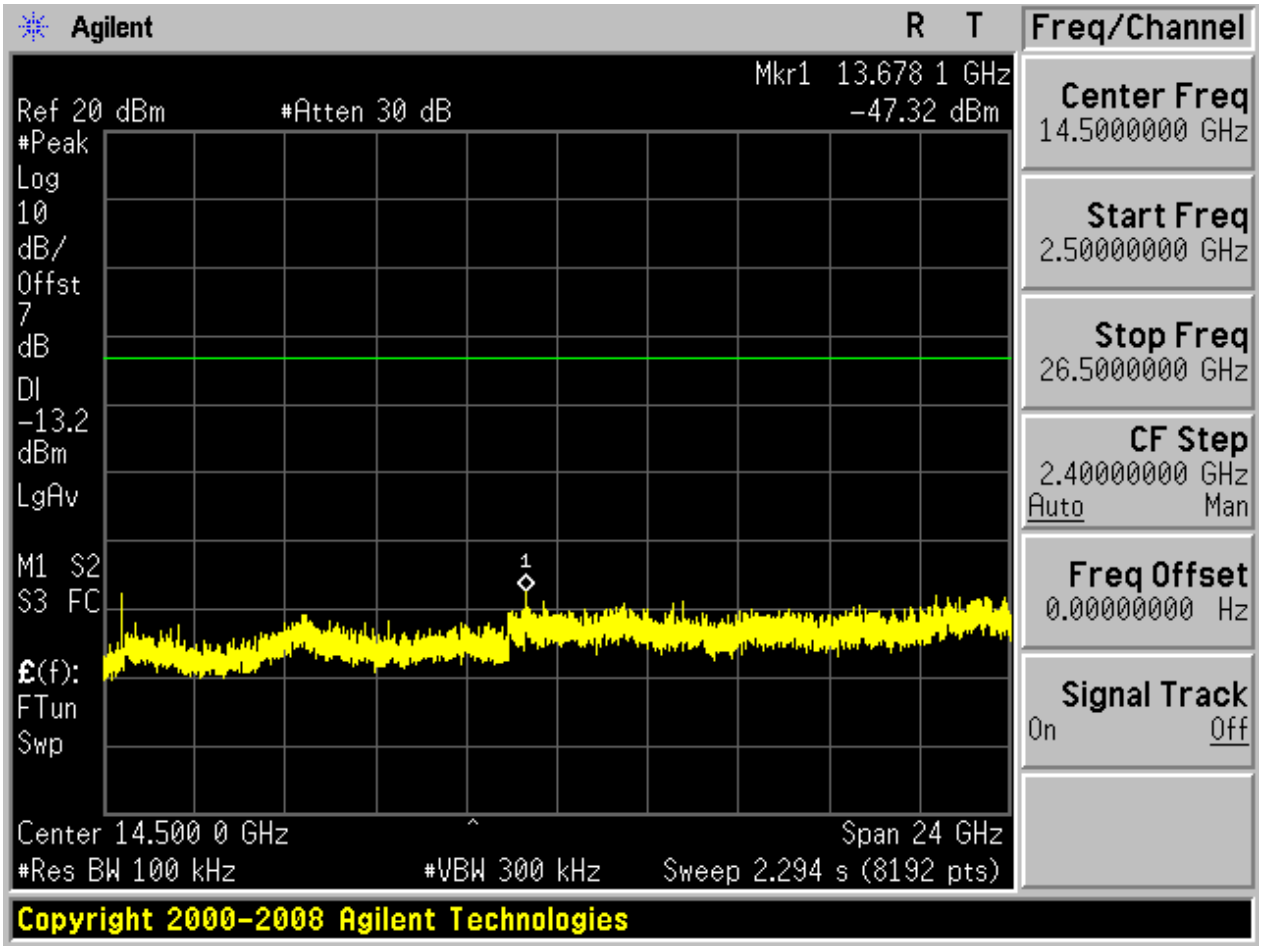
Copyright © Huawei Technologies Co., Ltd.


Agilent
R T
Freq/Channel
Mkr1 2.083 56 GHz
Ref 20 dBm
#Atten 30 dB
-55.39 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-13.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 1.165 00 GHz
Span 2.27 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 217.3 ms (8192 pts)
Center Freq
1.16500000 GHz
Start Freq
30.0000000 MHz
Stop Freq
2.30000000 GHz
CF Step
227.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies



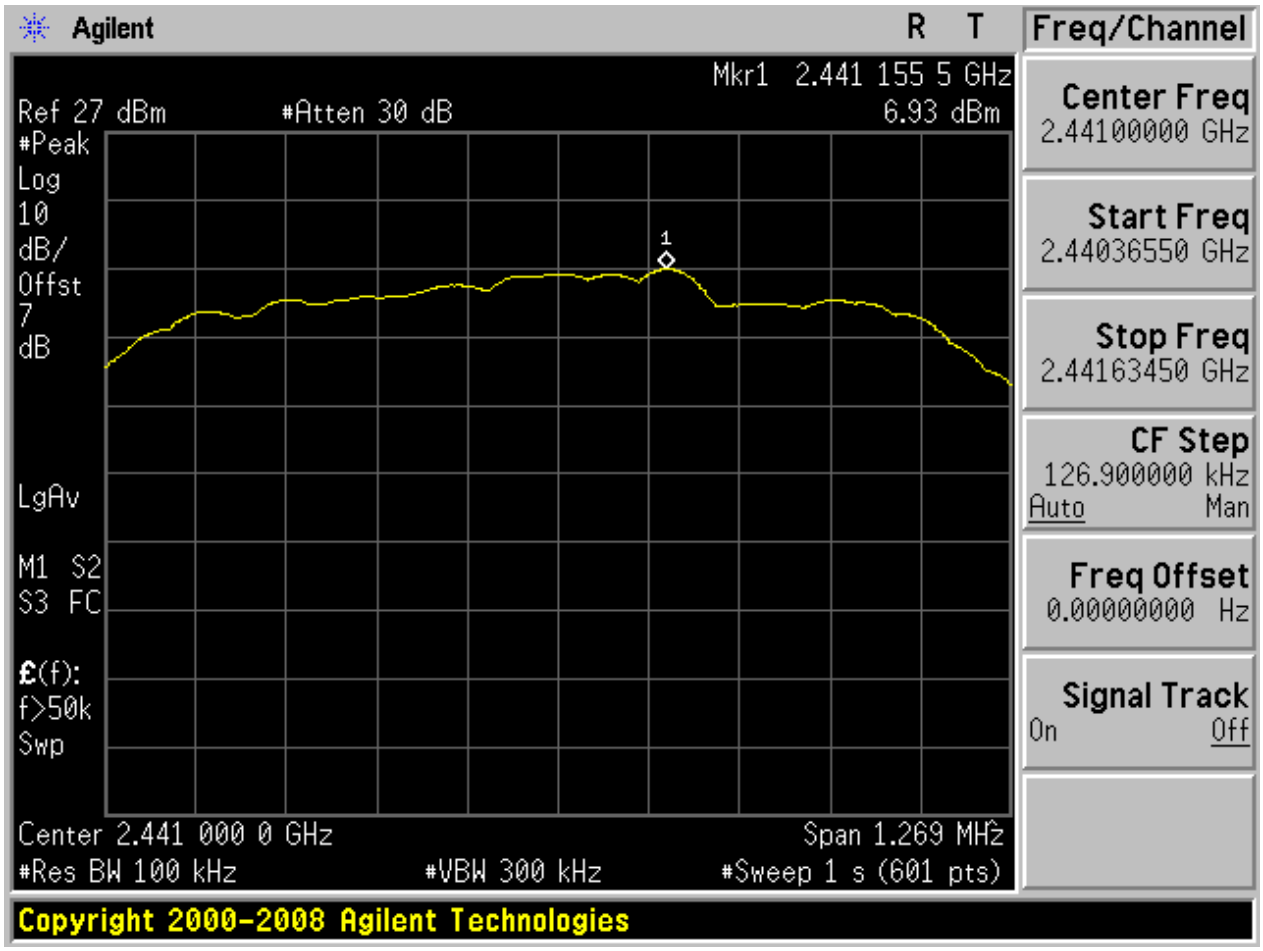
Copyright © Huawei Technologies Co., Ltd.


Agilent
R T
Freq/Channel
Mkr1 2.484 830 GHz
Ref 20 dBm
#Atten 30 dB
-54.91 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-13.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.491 750 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.666 ms (5000 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 13.678 1 GHz
Ref 20 dBm
#Atten 30 dB
-47.32 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-13.2
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 14.500 0 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8192 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies

2.8 TM3_3DH5_Ch39

2.8.1 Pref



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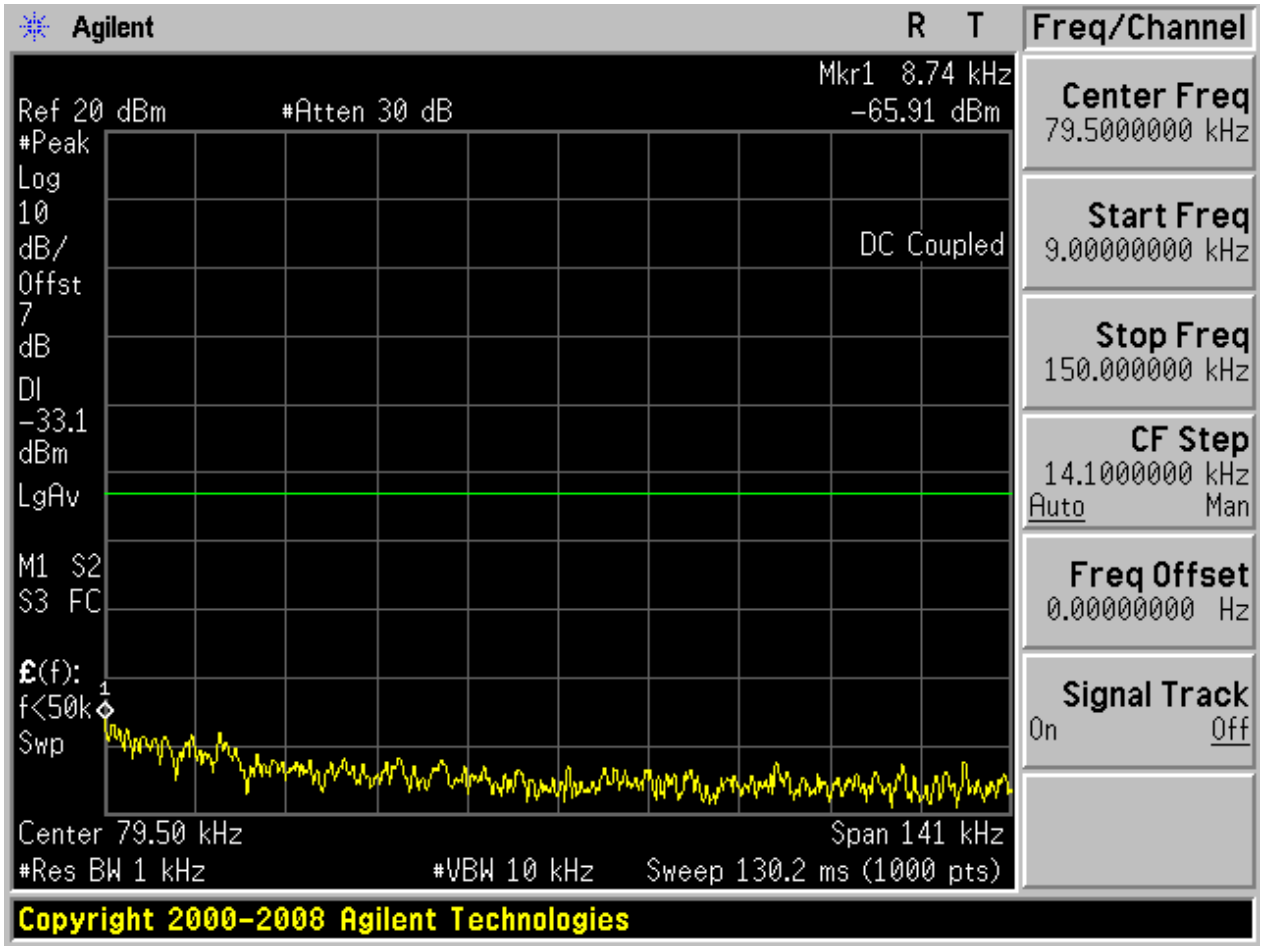
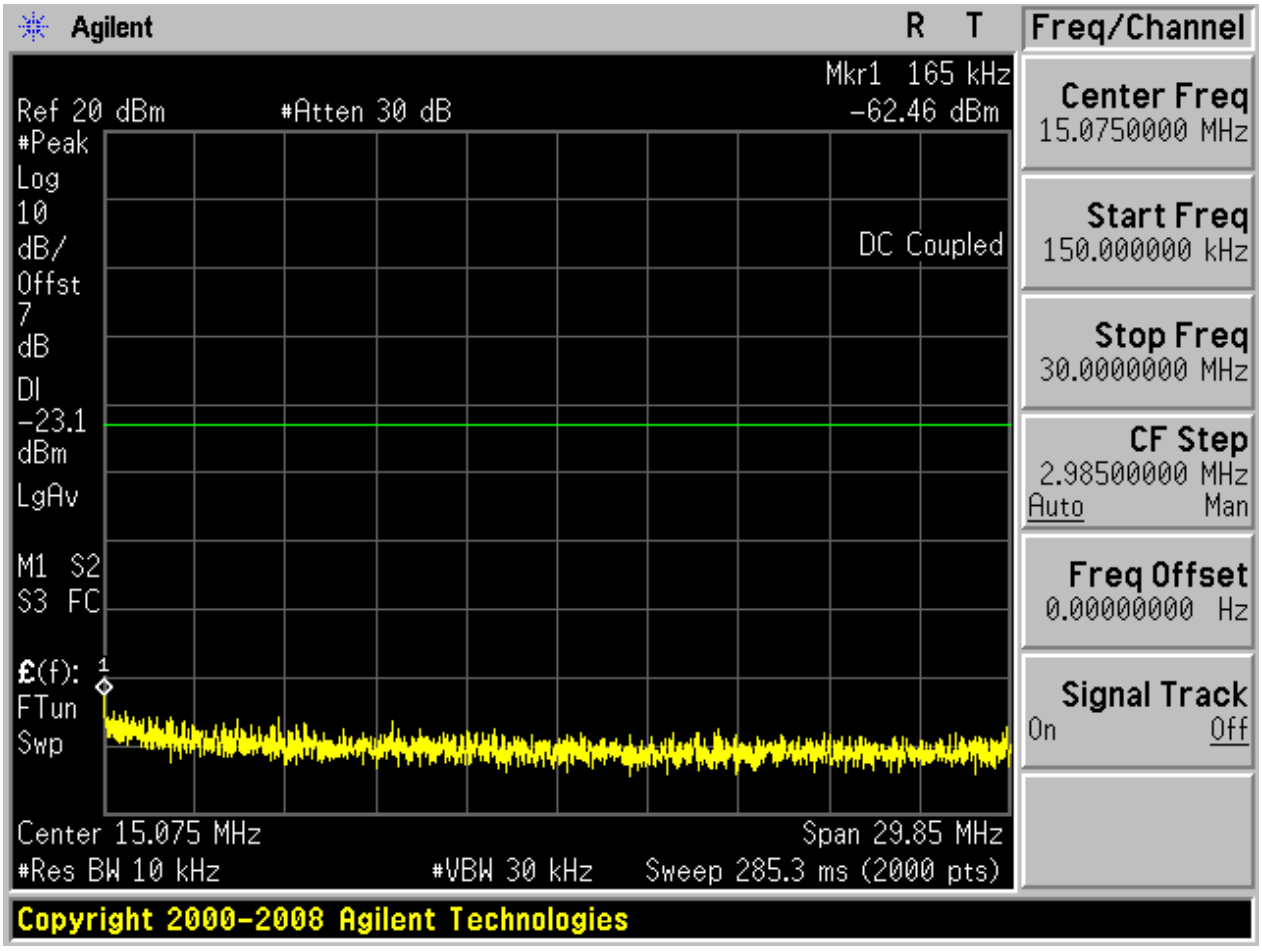
2.8.2 Puw



Copyright © Huawei Technologies Co., Ltd.


Agilent
R T
Freq/Channel
Mkr1 165 kHz
Ref 20 dBm
#Atten 30 dB
-62.46 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-23.1
dBm
LgAv
DC Coupled
M1 S2
S3 FC
£(f): 1
FTun
Swp
Center 15.075 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 285.3 ms (2000 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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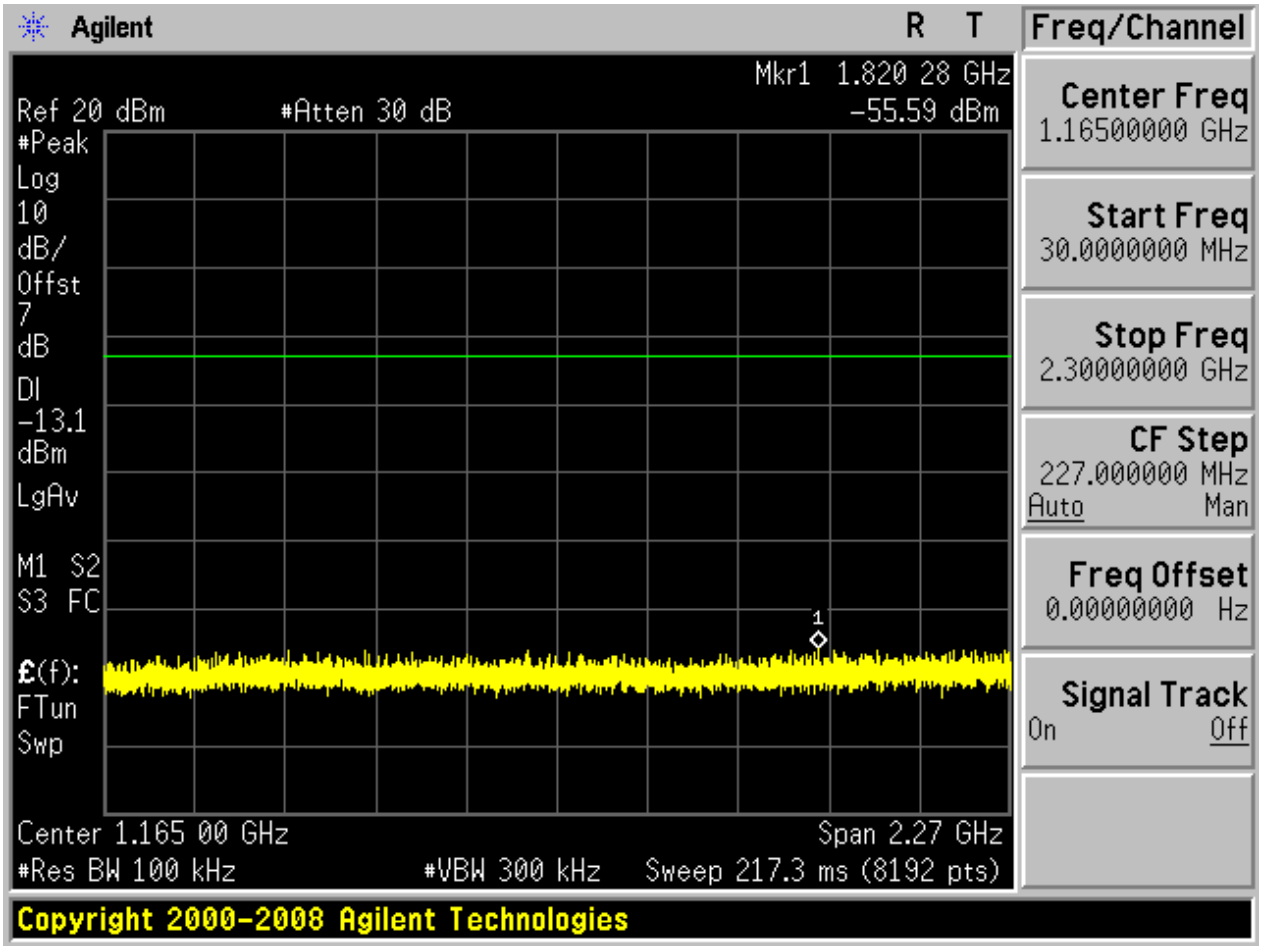

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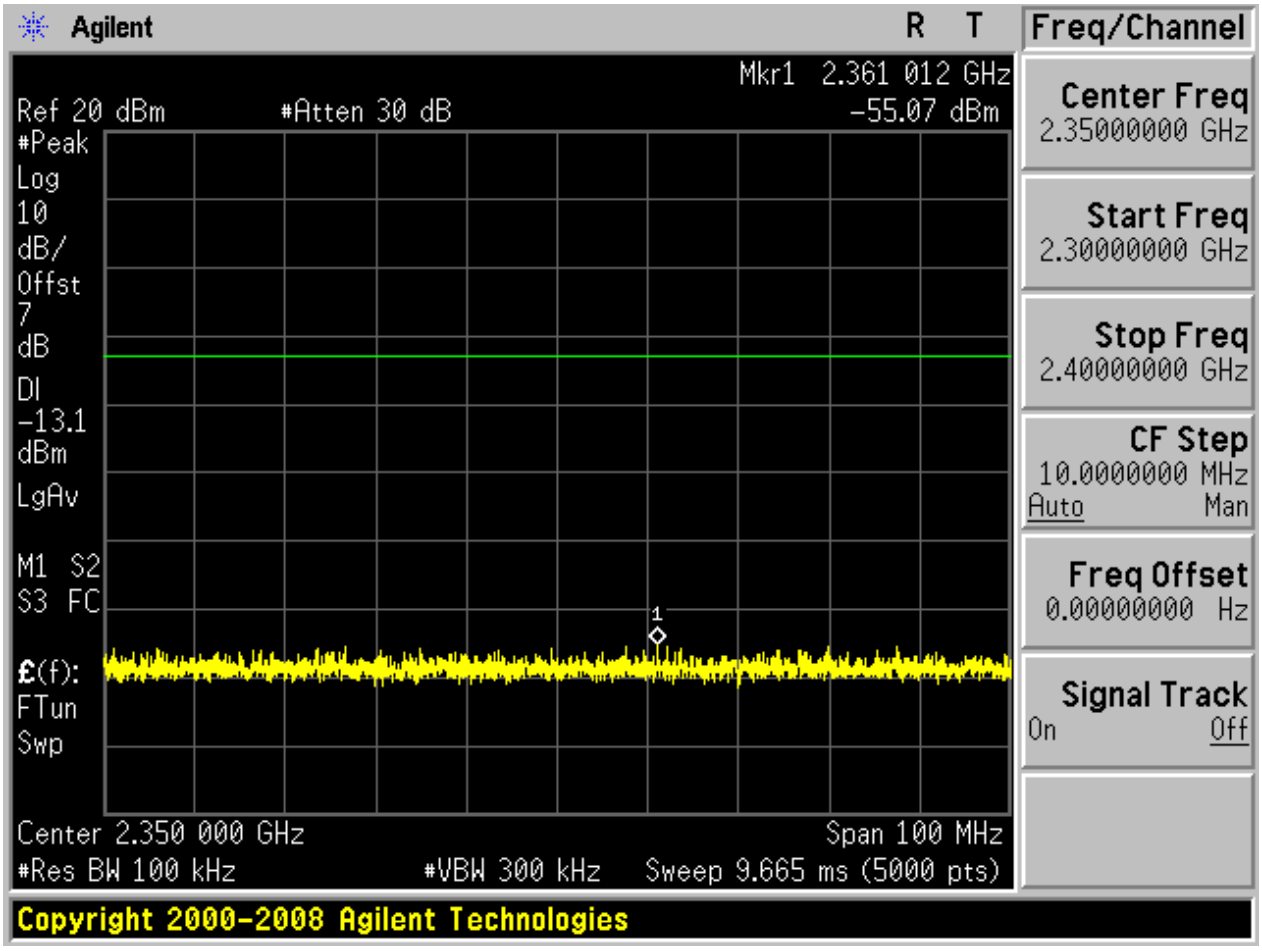
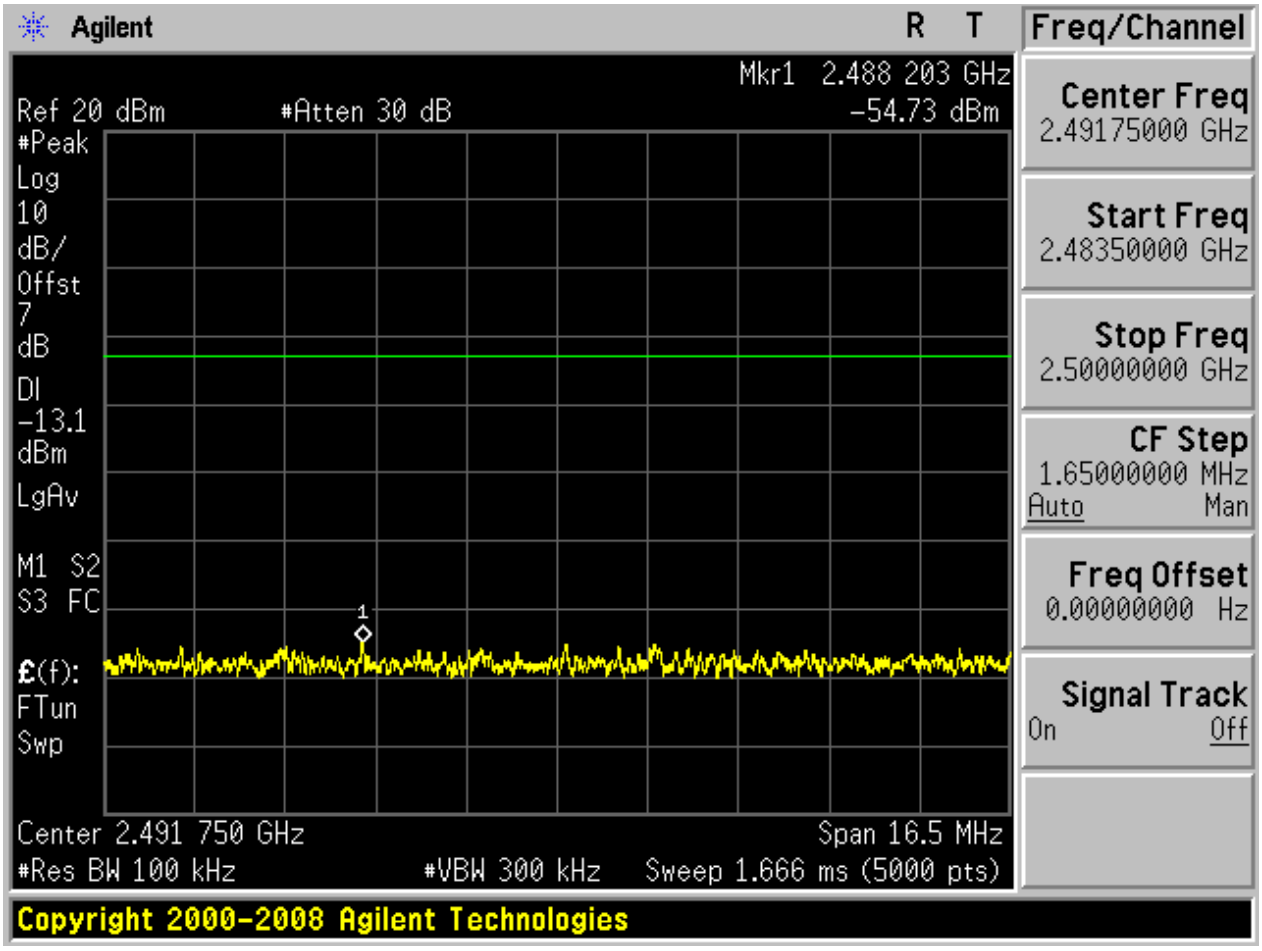
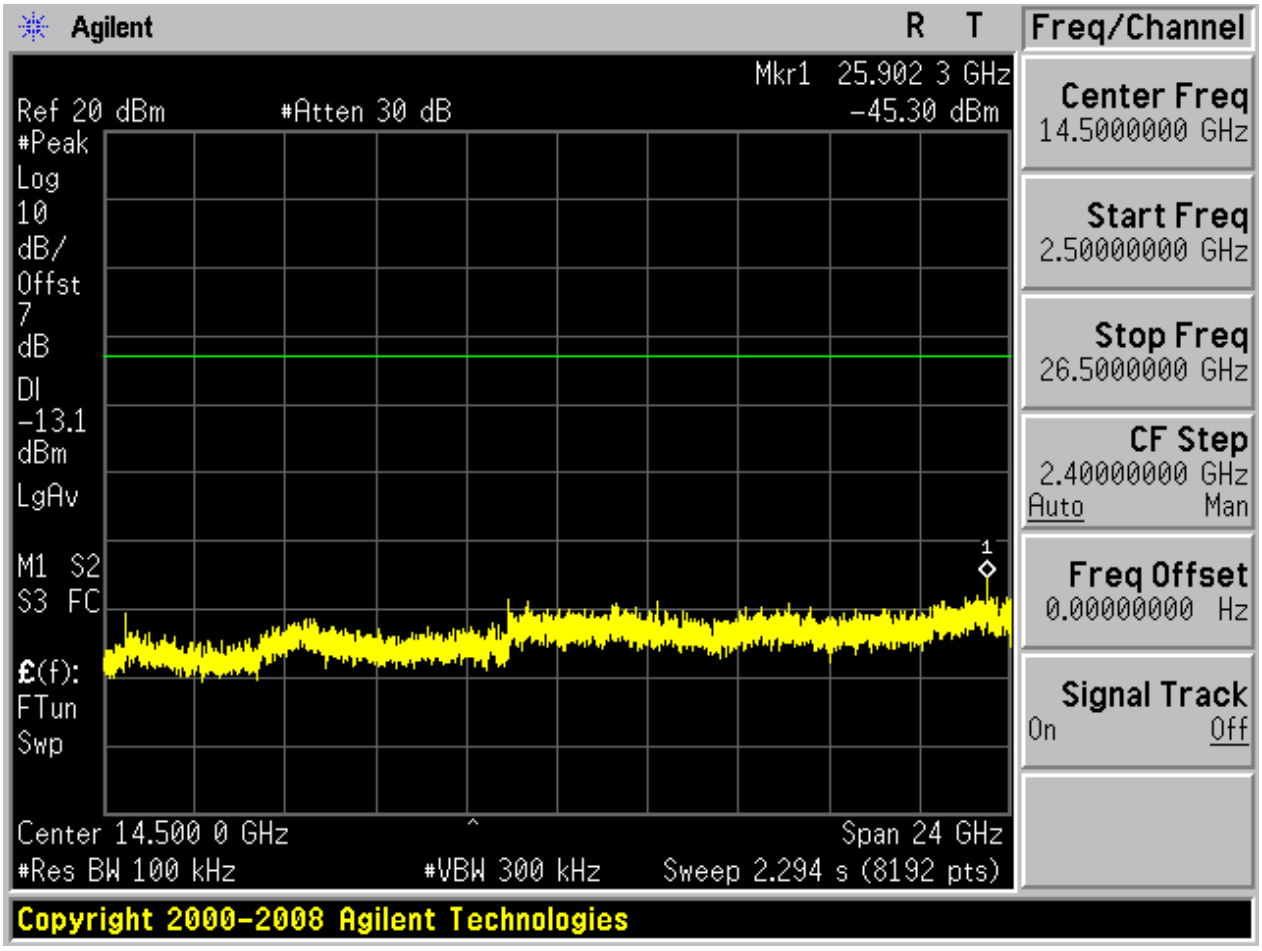
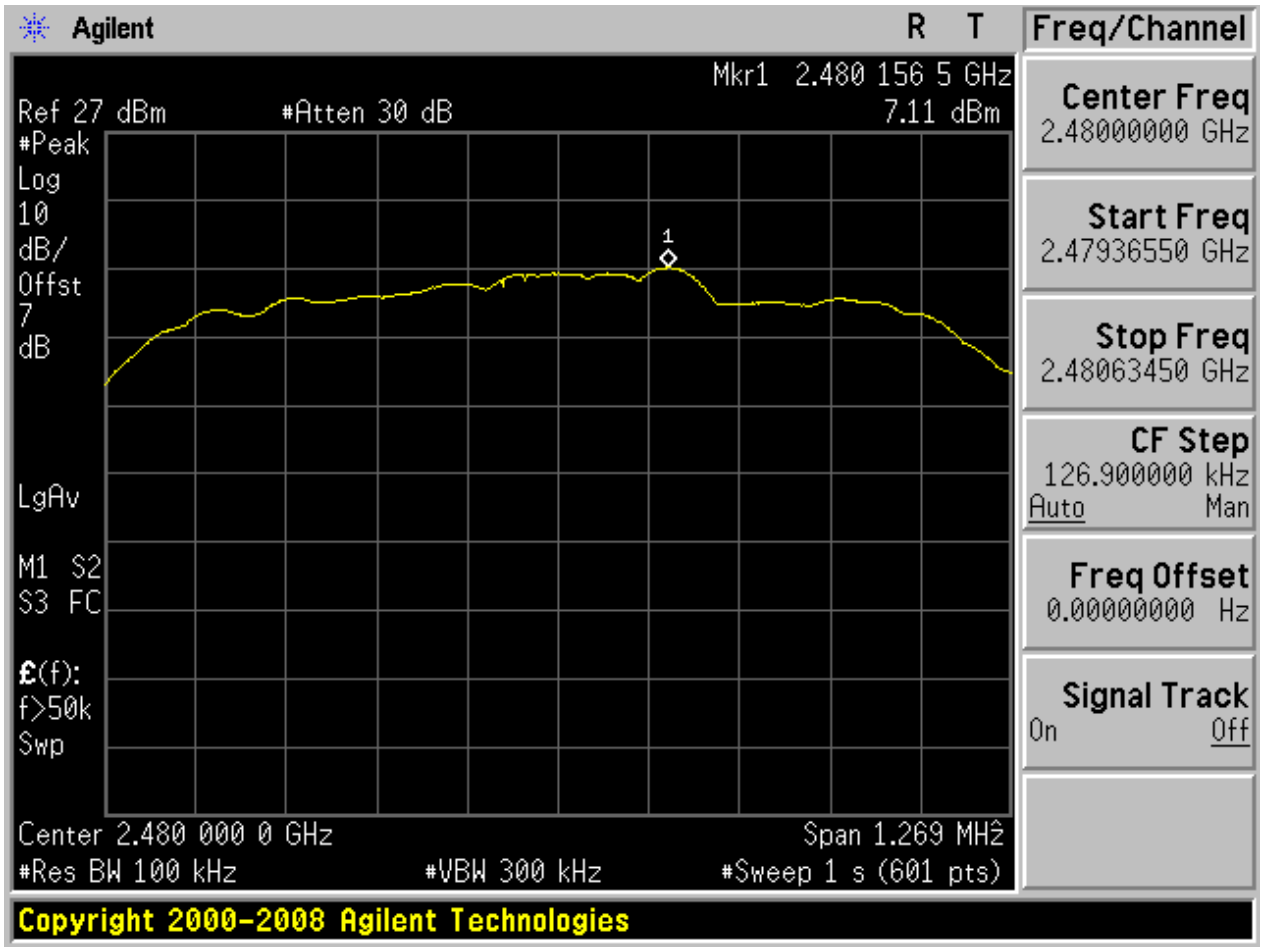

Agilent
R T
Freq/Channel
Mkr1 2.361 012 GHz
Ref 20 dBm
#Atten 30 dB
-55.07 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-13.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.350 000 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.665 ms (5000 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.488 203 GHz
Ref 20 dBm
#Atten 30 dB
-54.73 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-13.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.491 750 GHz
Span 16.5 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.666 ms (5000 pts)
Center Freq
2.49175000 GHz
Start Freq
2.48350000 GHz
Stop Freq
2.50000000 GHz
CF Step
1.65000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies

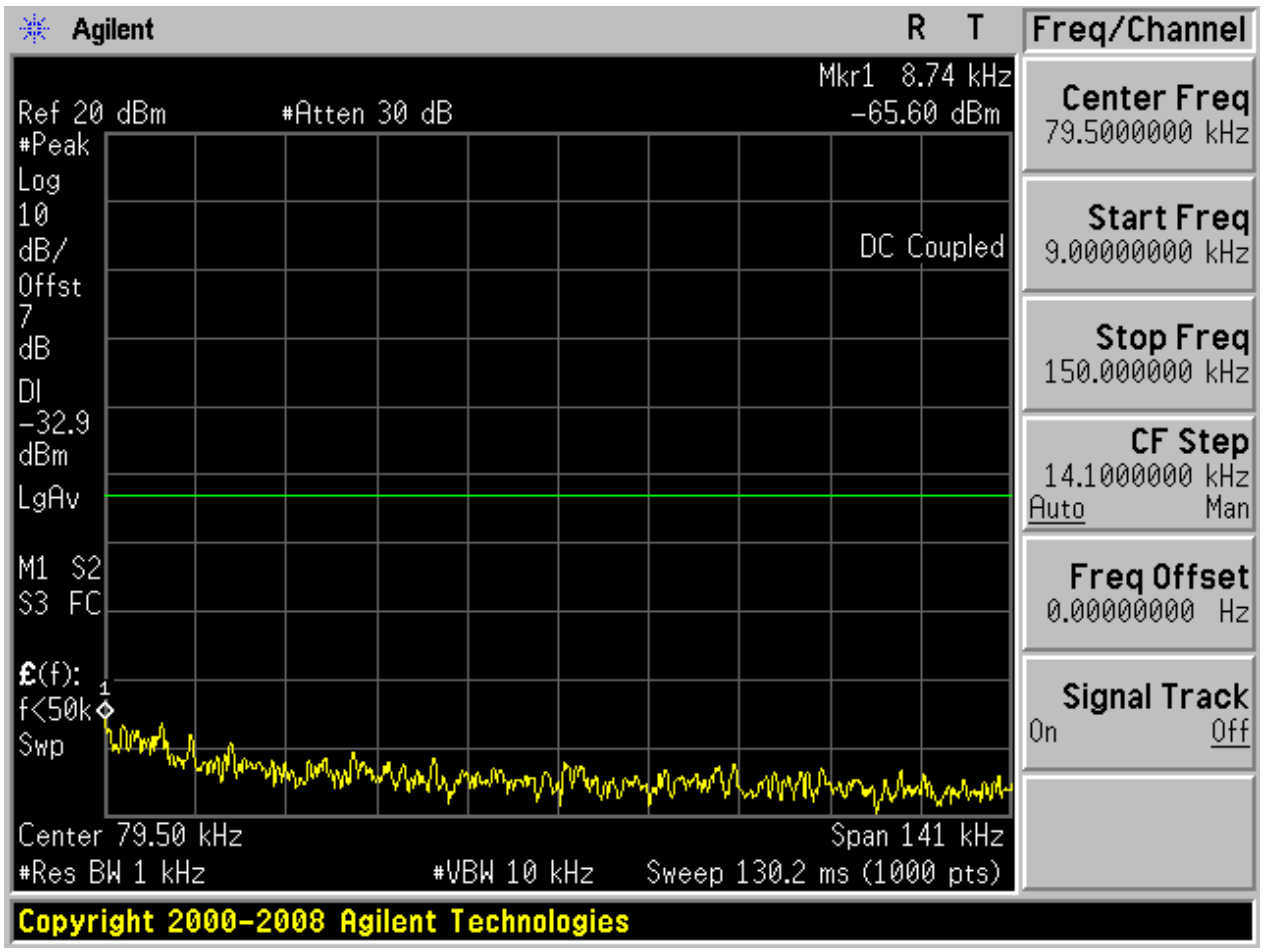

Agilent
R T
Freq/Channel
Mkr1 25.902 3 GHz
Ref 20 dBm
#Atten 30 dB
-45.30 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-13.1
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 14.500 0 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8192 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2008 Agilent Technologies

2.9 TM3_3DH5_Ch78

2.9.1 Pref



2.9.2 Puw



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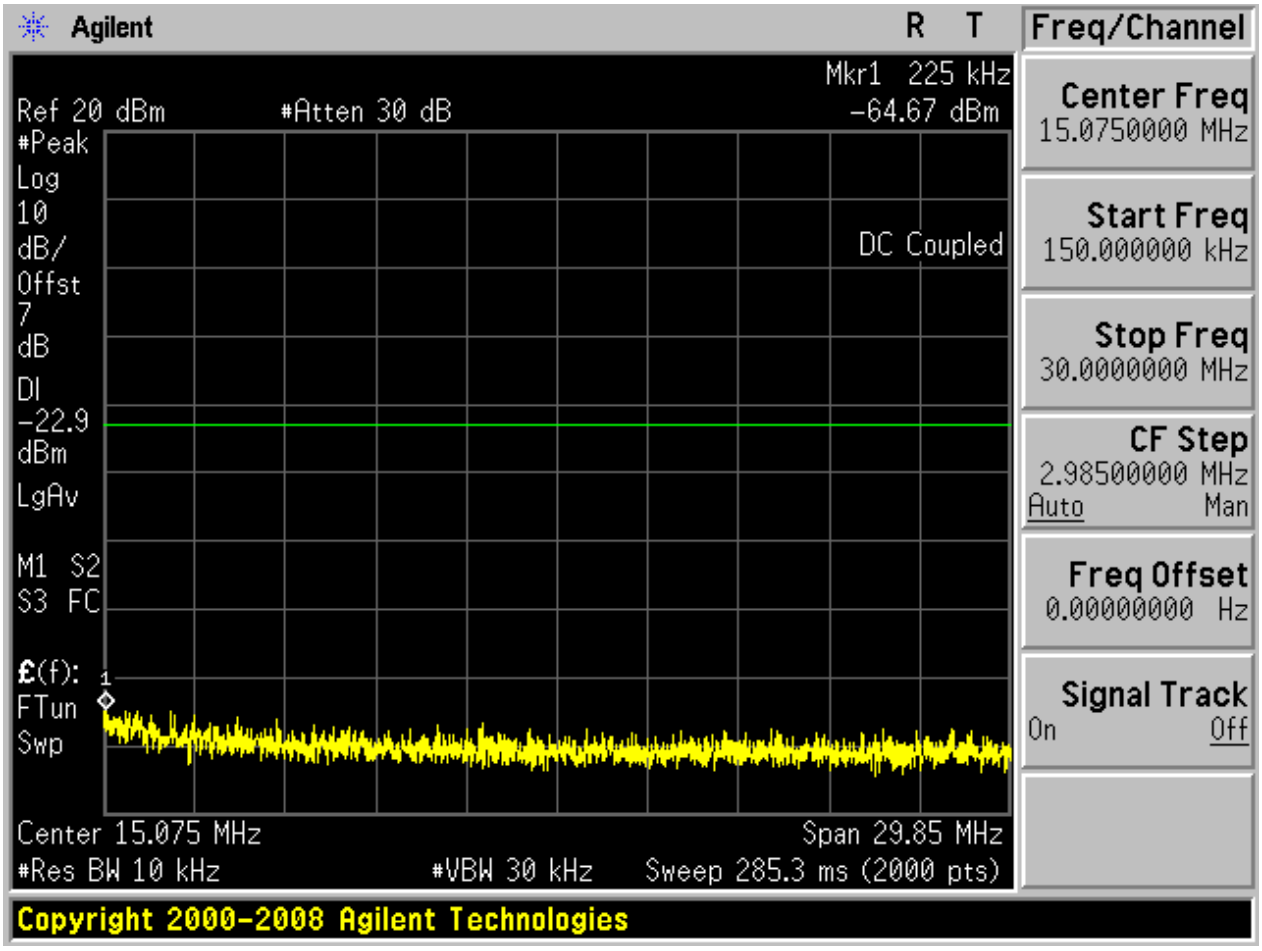

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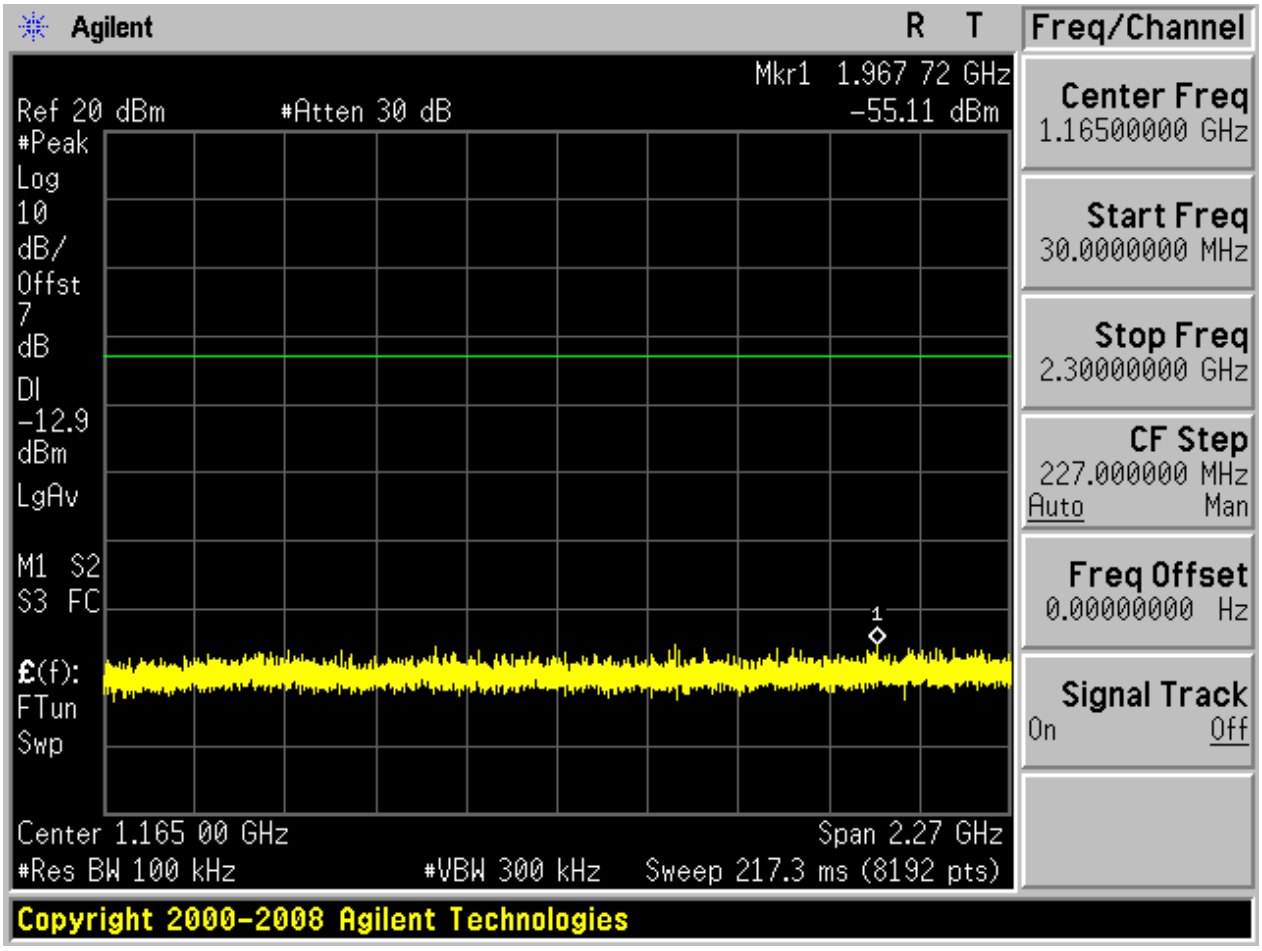

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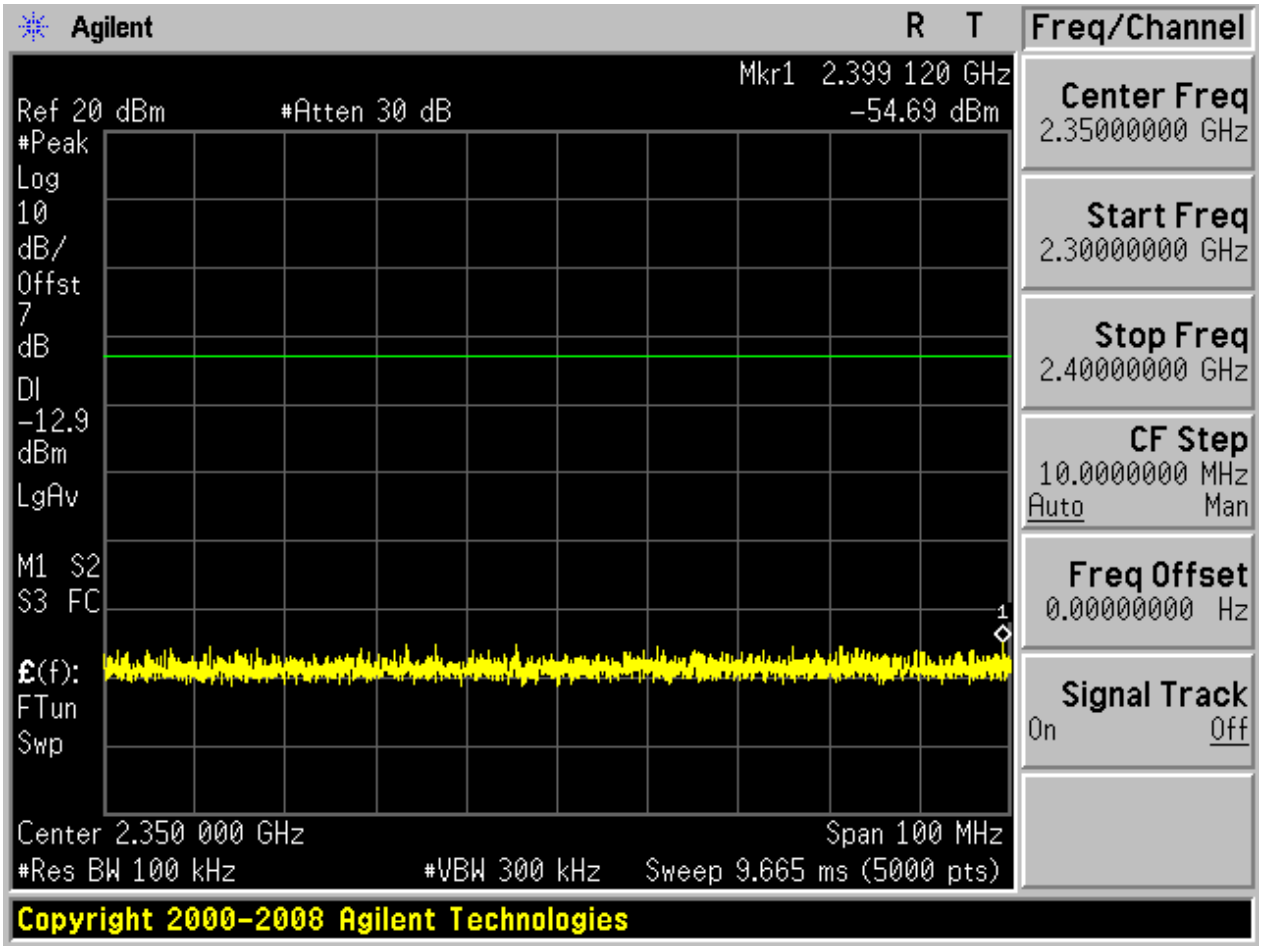
Agilent
R T
Freq/Channel
Mkr1 2.399 120 GHz
Ref 20 dBm
#Atten 30 dB
-54.69 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Center 2.350 000 GHz
Span 100 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 9.665 ms (5000 pts)
Center Freq
2.35000000 GHz
Start Freq
2.30000000 GHz
Stop Freq
2.40000000 GHz
CF Step
10.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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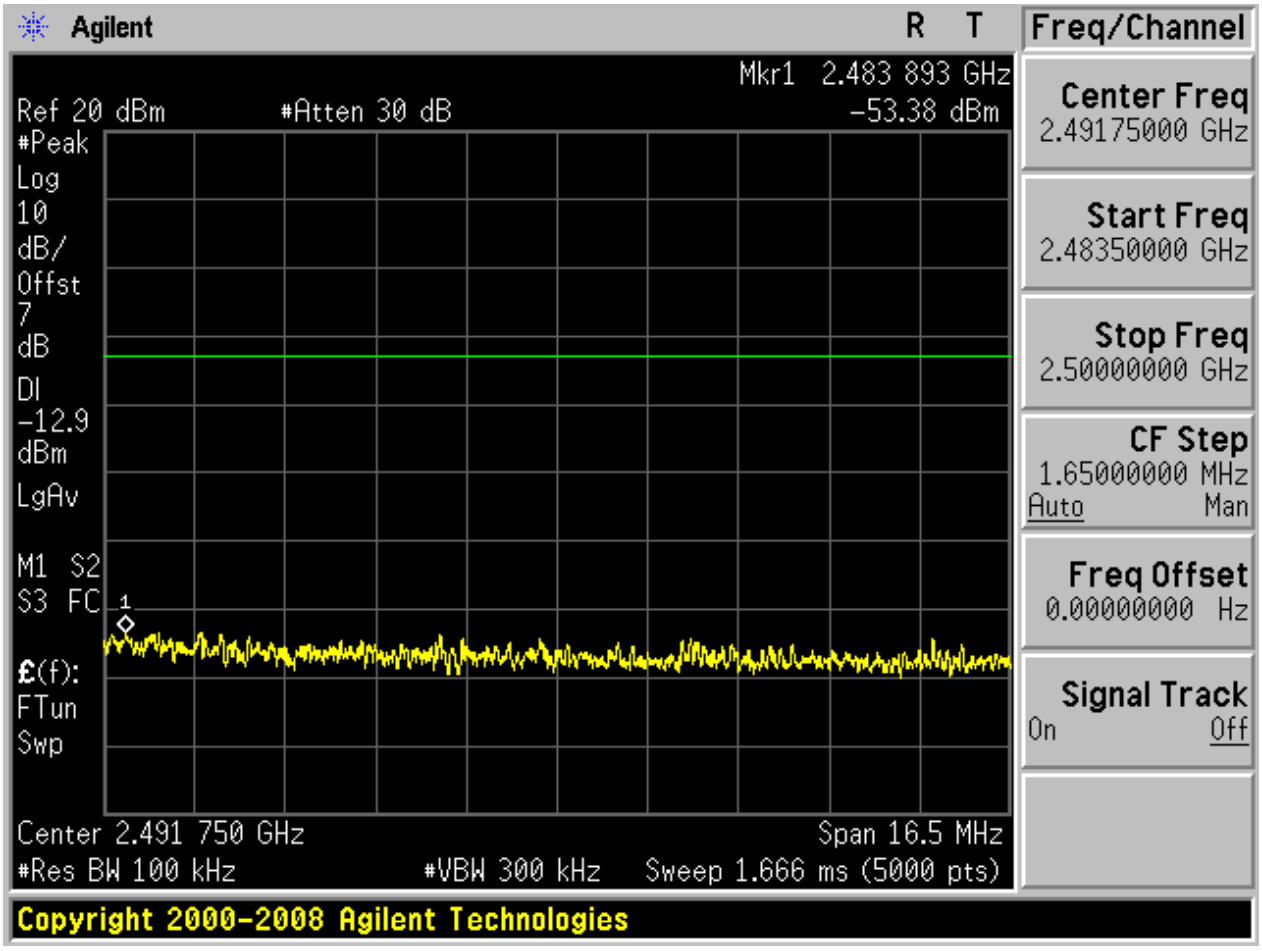

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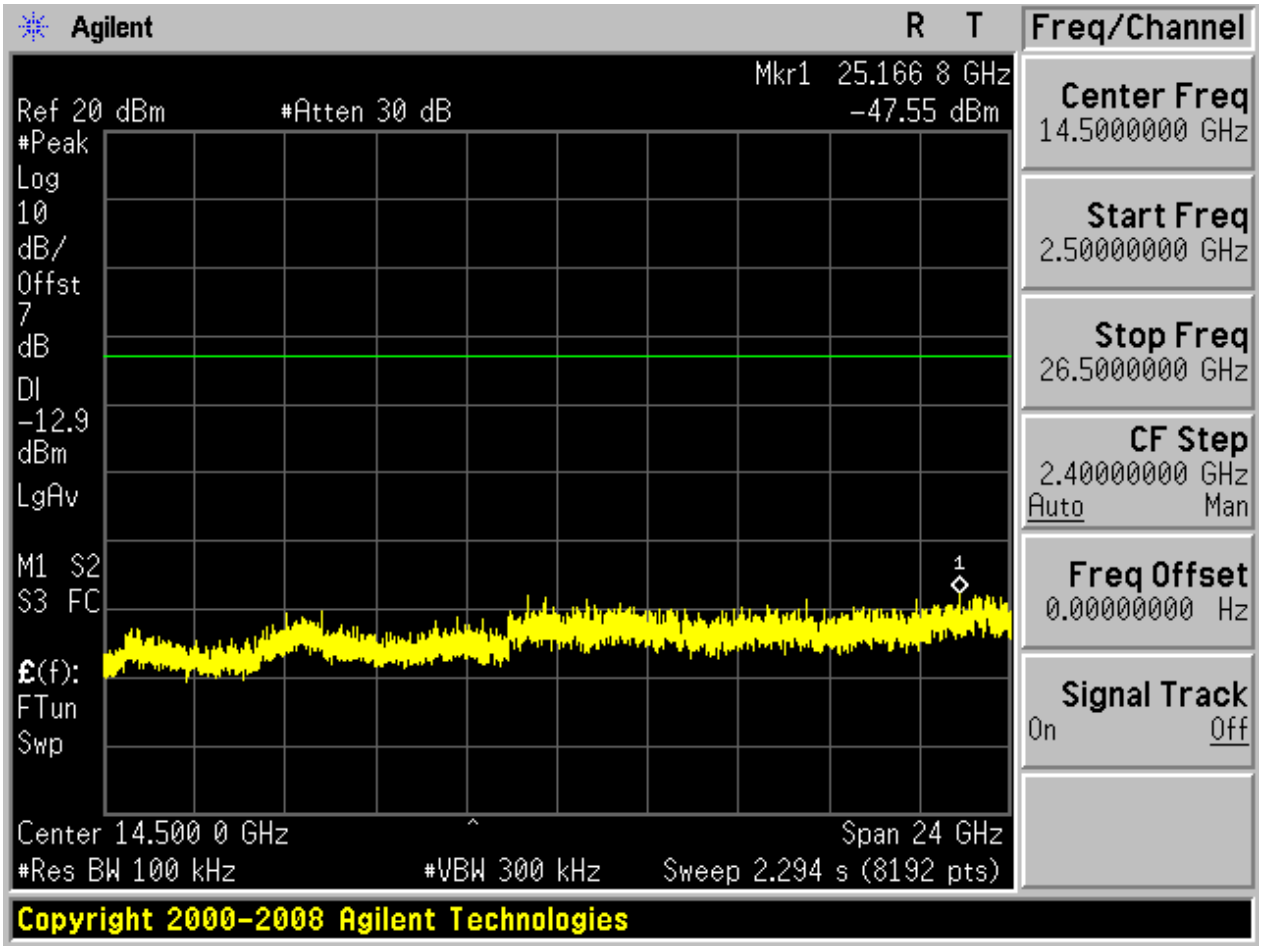
Agilent
R T
Freq/Channel
Mkr1 25.166 8 GHz
Ref 20 dBm
#Atten 30 dB
-47.55 dBm
#Peak
Log
10
dB/
Offst
7
dB
Dl
-12.9
dBm
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
1
Center 14.500 0 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (8192 pts)
Center Freq
14.5000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.40000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
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Appendix H

Radiated spurious emission

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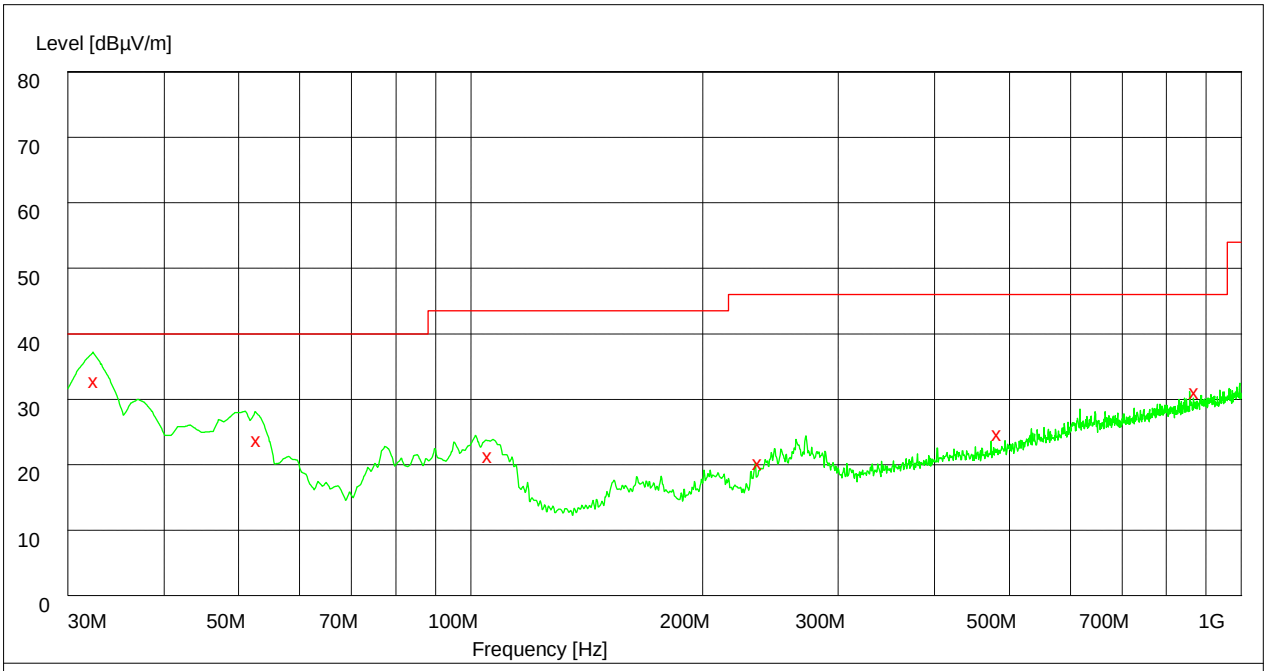
Part 1: Testing Range of "30 MHz to 1 GHz"

Note 1: The test results and plot for testing range of "30 MHz to 1 GHz" showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
32.640000	34.30	14.1	40.0	5.7	100.0	172.00	VERTICAL
53.040000	25.30	14.7	40.0	14.7	100.0	286.00	VERTICAL
105.840000	22.70	13.1	43.5	20.8	104.0	142.00	VERTICAL
237.240000	21.70	13.7	46.0	24.3	122.0	247.00	HORIZONTAL
485.280000	26.20	18.9	46.0	19.8	111.0	25.00	VERTICAL
875.160000	32.60	24.7	46.0	13.4	121.0	180.00	HORIZONTAL

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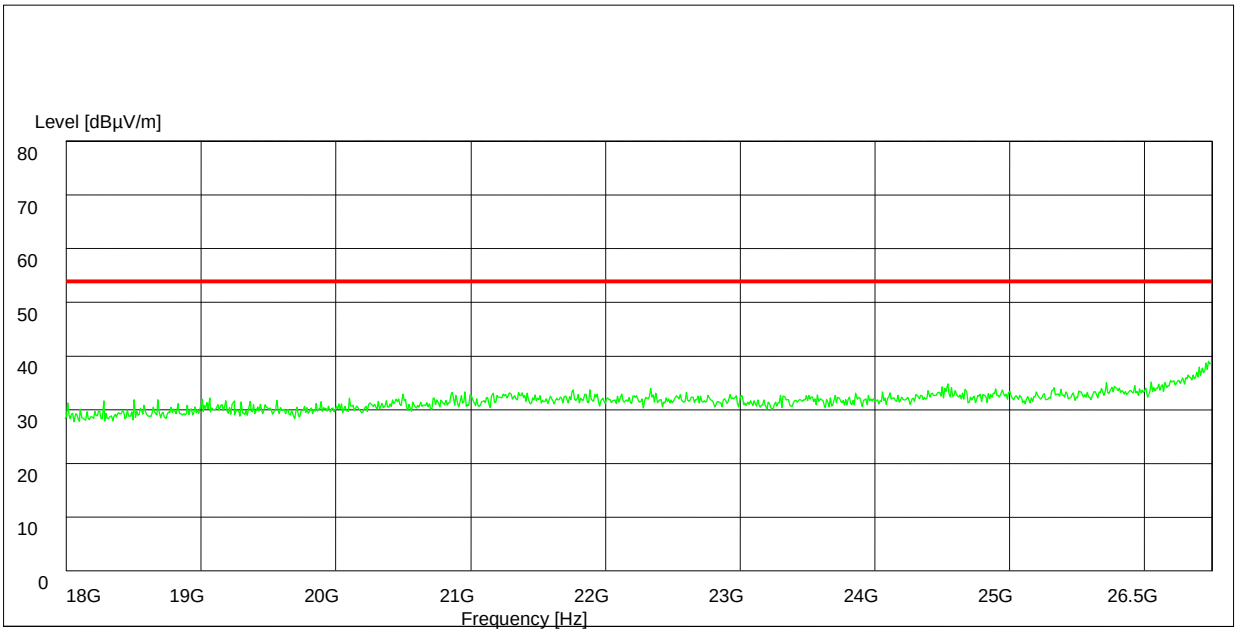
Part 2: Testing Range of “18 GHz to 26.5 GHz”

Note: No peak found in pre- test.



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Part 3: Testing Range of "2.3GHz to 2.5GHz"

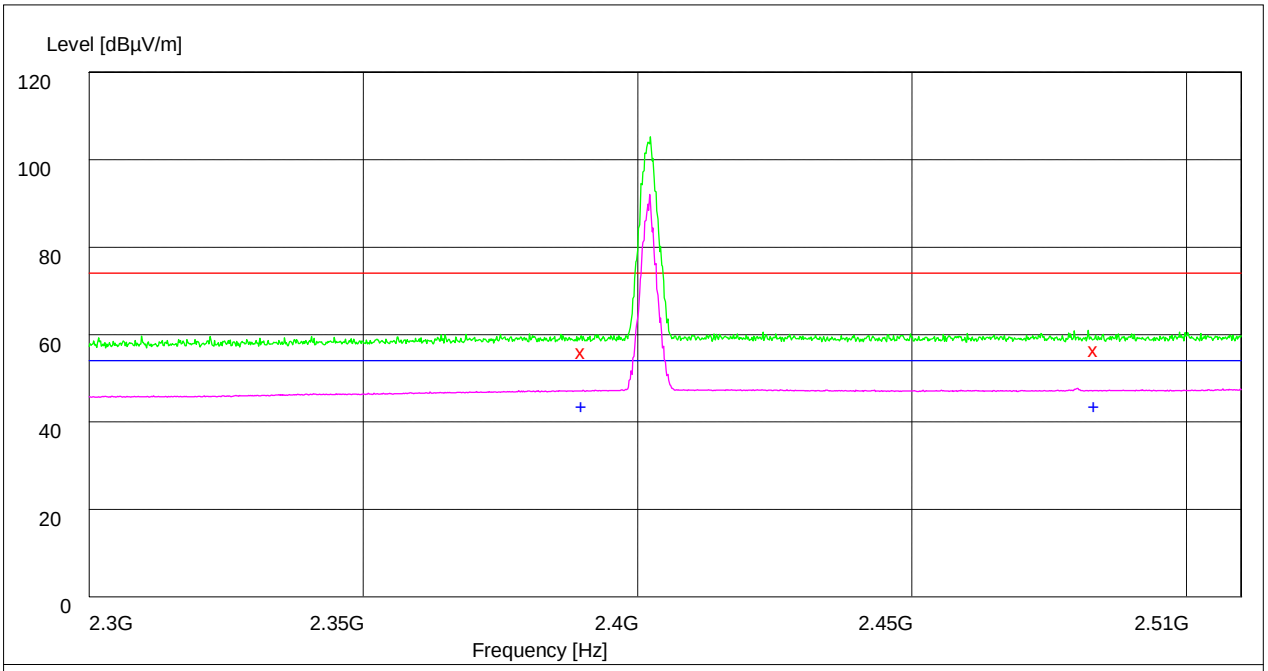
Note 1: The testing range of "2.3 GHz to 2.5 GHz" is for checking radiated emissions located in restricted bands near the EUT operating bands.

Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBµV/m) and Average Limit (54 dBµV/m).

Note 3: The peak spike exceeds the limit line is EUT's operating frequency.

3 Test Mode:

3.1 Channel 00



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	58.10	34.7	74.0	15.9	158.0	168.00	HORIZONTAL
2483.500000	58.50	35.0	74.0	15.5	117.0	185.00	HORIZONTAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	45.70	34.7	54.0	8.3	100.0	239.00	HORIZONTAL
2483.500000	45.60	35.0	54.0	8.4	112.0	293.00	VERTICAL

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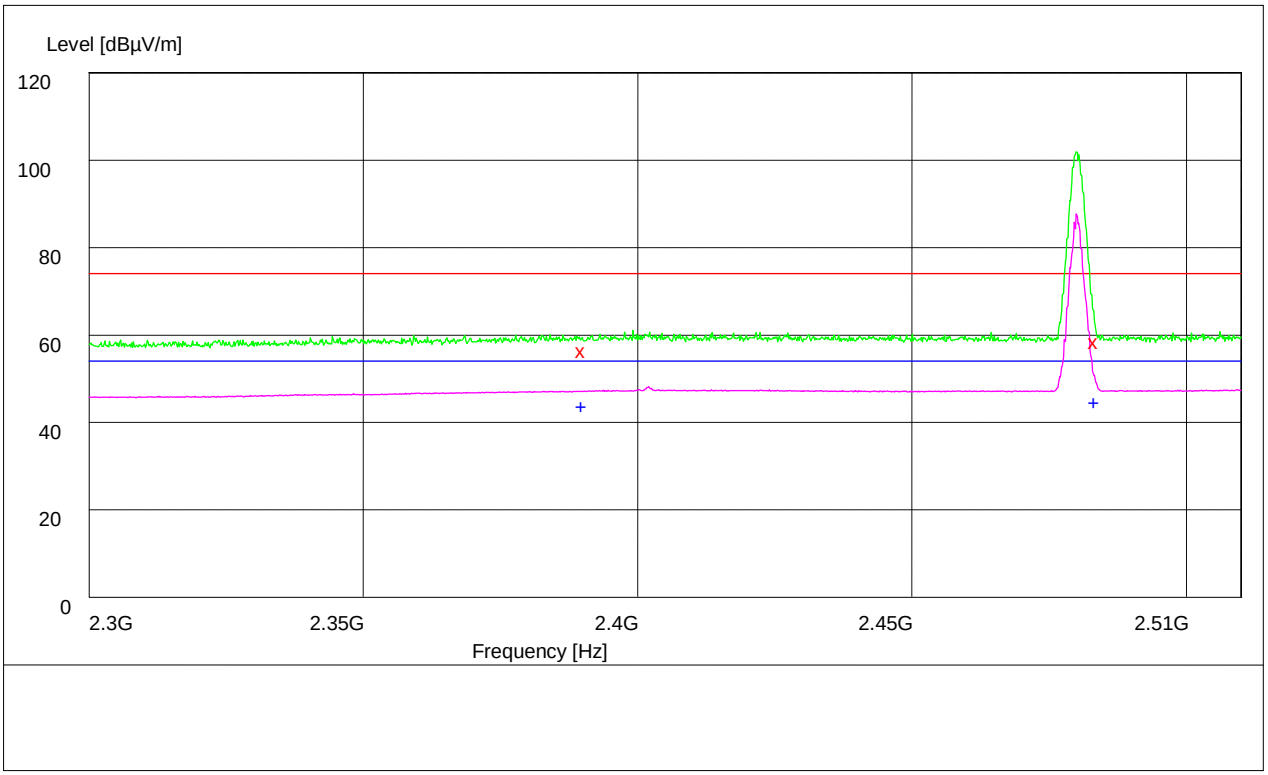
3.2 Channel 78



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	58.50	34.7	74.0	15.5	102.0	249.00	VERTICAL
2483.500000	60.60	35.0	74.0	13.4	102.0	165.00	HORIZONTAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	45.70	34.7	54.0	8.3	100.0	85.00	HORIZONTAL
2483.500000	46.70	35.0	54.0	7.3	113.0	222.00	HORIZONTAL

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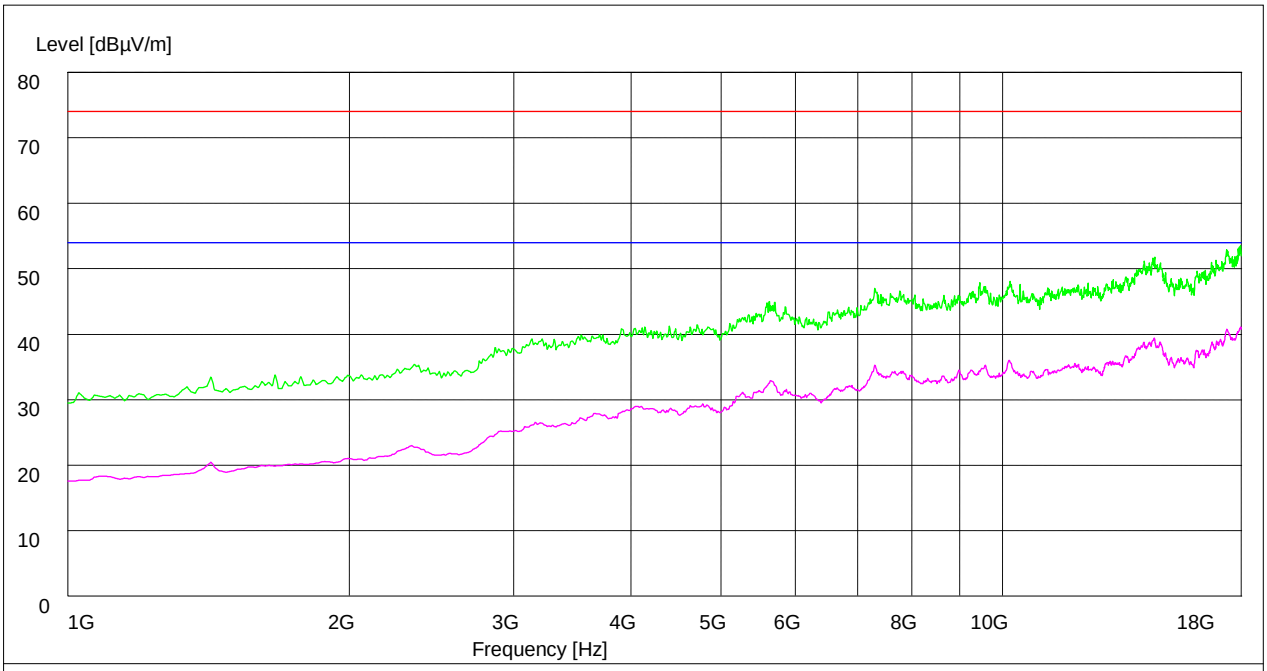
3.3
Part 4: Testing Range of “1 GHz to 18 GHz”

Note 1: The test results and plot for testing range of “1 GHz to 18 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The testing range of “1 GHz to 18 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.

Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBµV/m) and Average Limit (54 dBµV/m).



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Appendix I: AC Power Line Conducted Emissions

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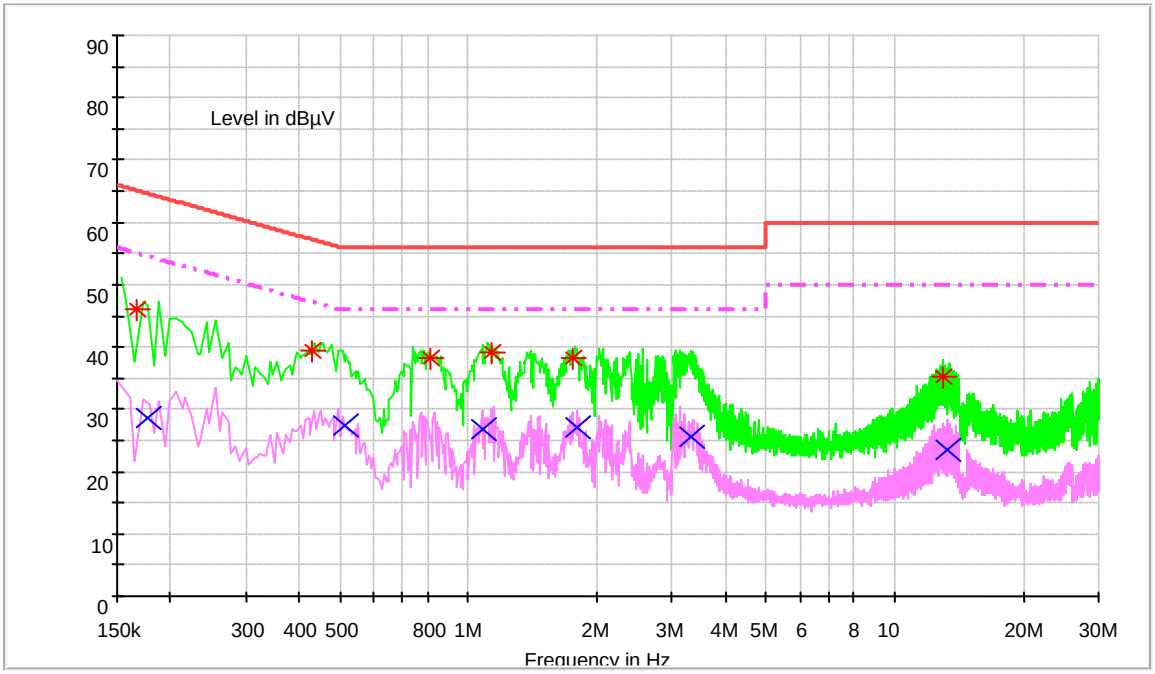
Channel 39



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.167738	46.1	9.7	65.1	19	N	FLO
0.42849	39.3	9.7	57.3	18	N	FLO
0.811043	38.3	9.7	56	17.7	N	FLO
1.131858	39	9.7	56	17	N	FLO
1.754112	38.2	9.7	56	17.8	N	FLO
12.96219	35.2	10	60	24.8	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.177255	28.5	9.7	54.6	26.1	N	FLO
0.516158	27.3	9.7	46	18.7	N	FLO
1.082389	26.8	9.7	46	19.2	N	FLO
1.806608	27	9.7	46	19	N	FLO
3.340158	25.5	9.7	46	20.5	N	FLO
13.20903	23.4	10	50	26.6	N	FLO

END

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