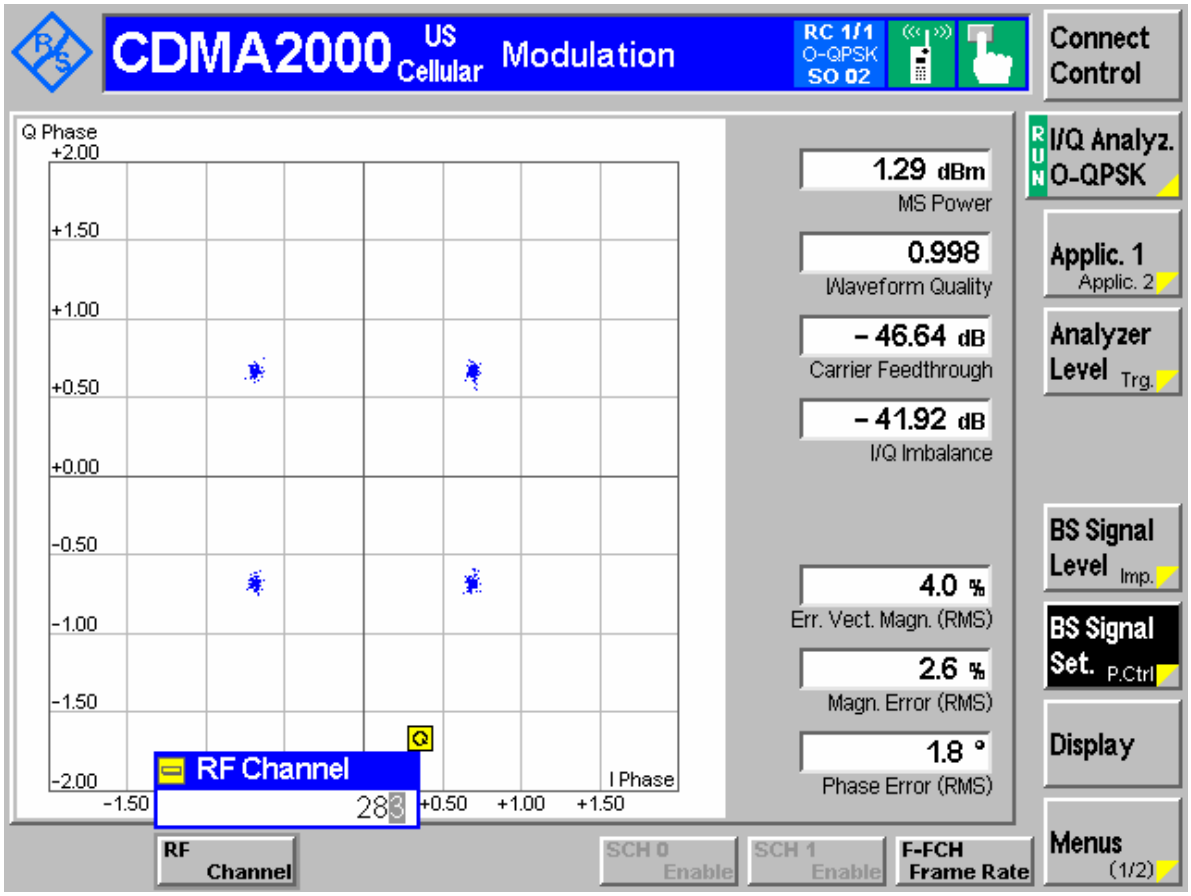
Appendix A

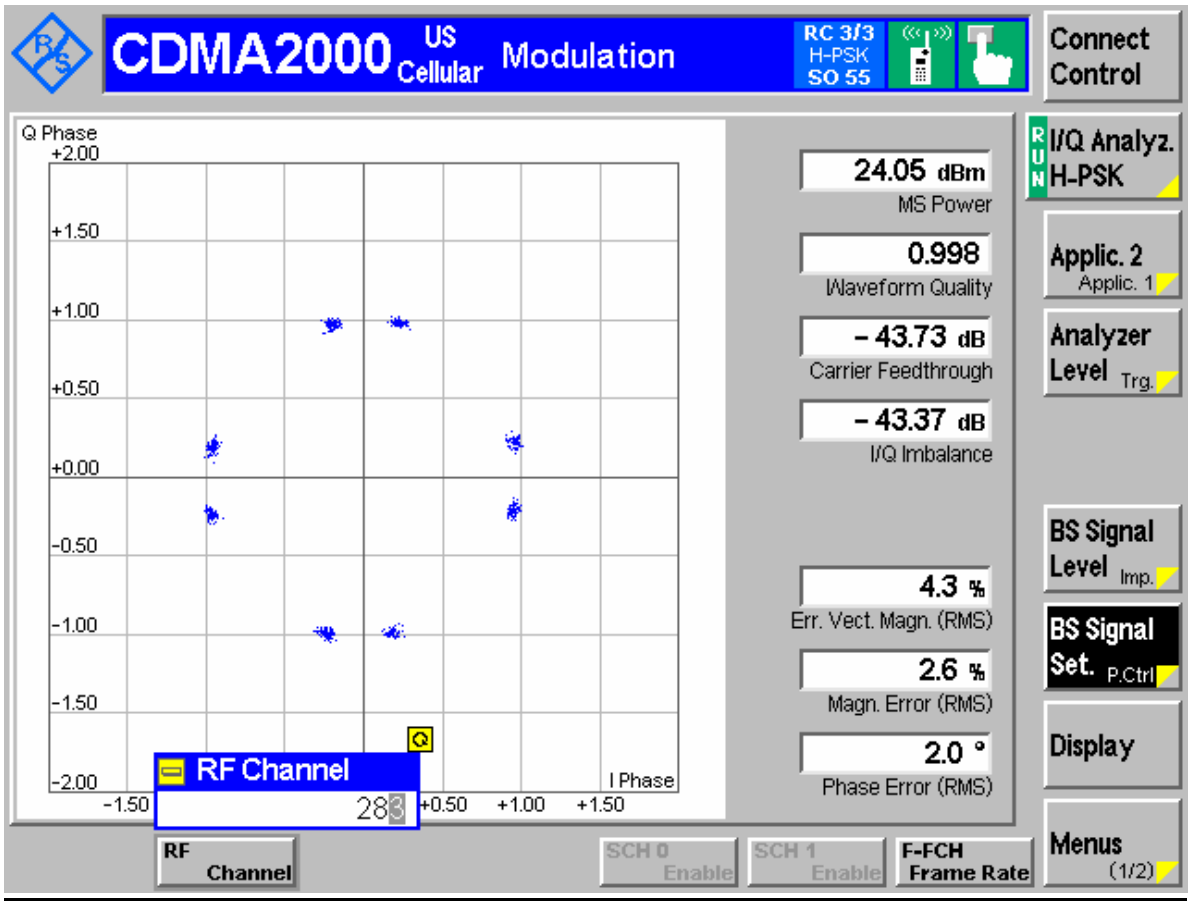
Modulation Characteristics

According to FCC Part 2.1047 & Part22 Subpart H

Channel 283（TM1）



Channel 283（TM3）

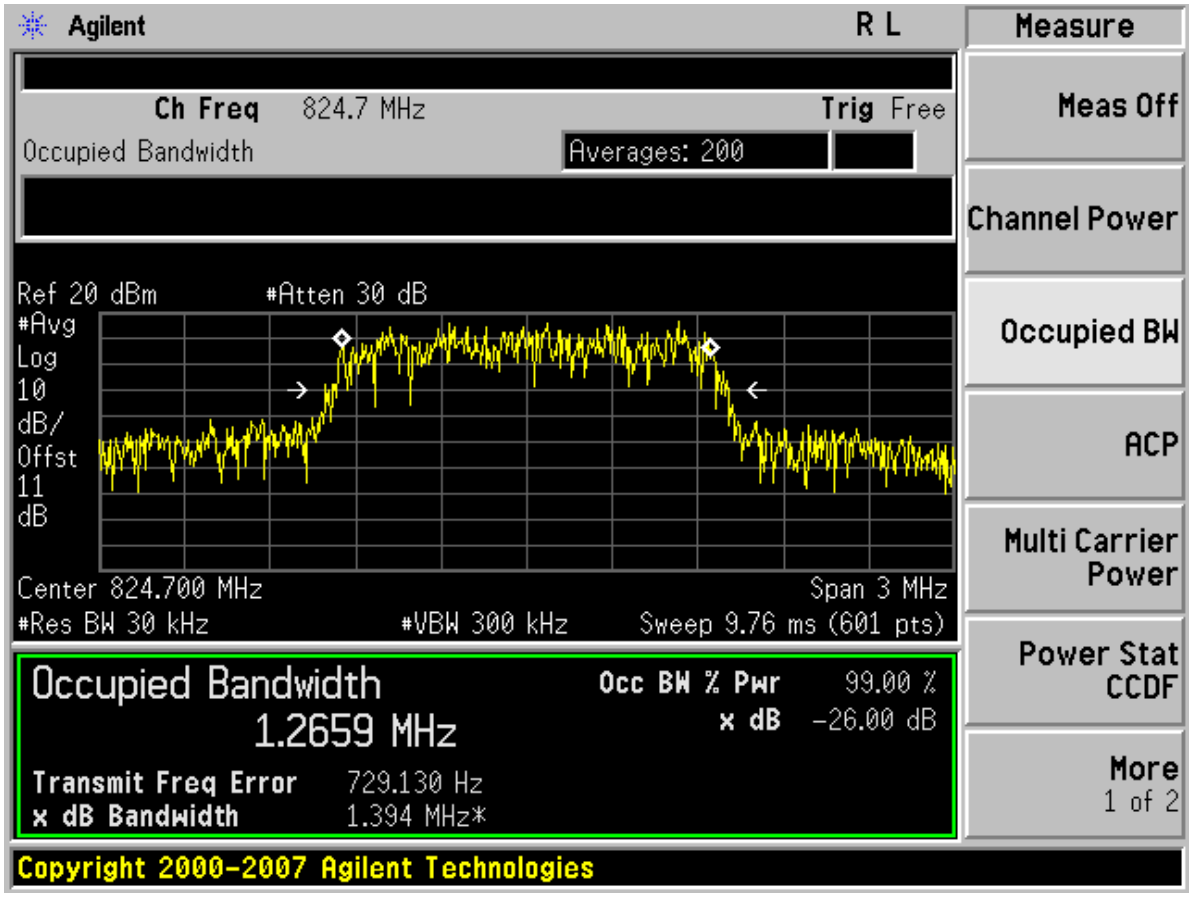


Appendix B

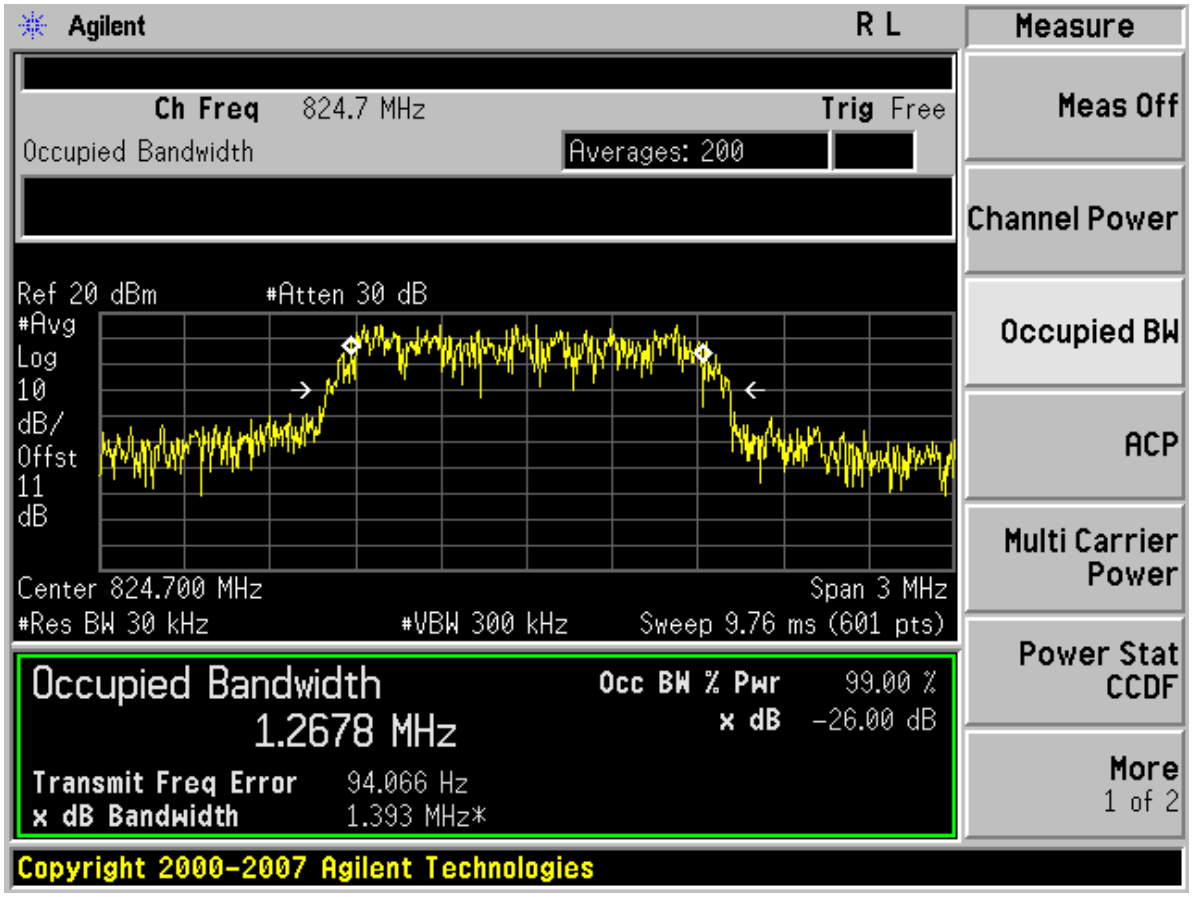
Occupied Bandwidth

According to FCC Part 2.1049 & Part 22 Subpart H

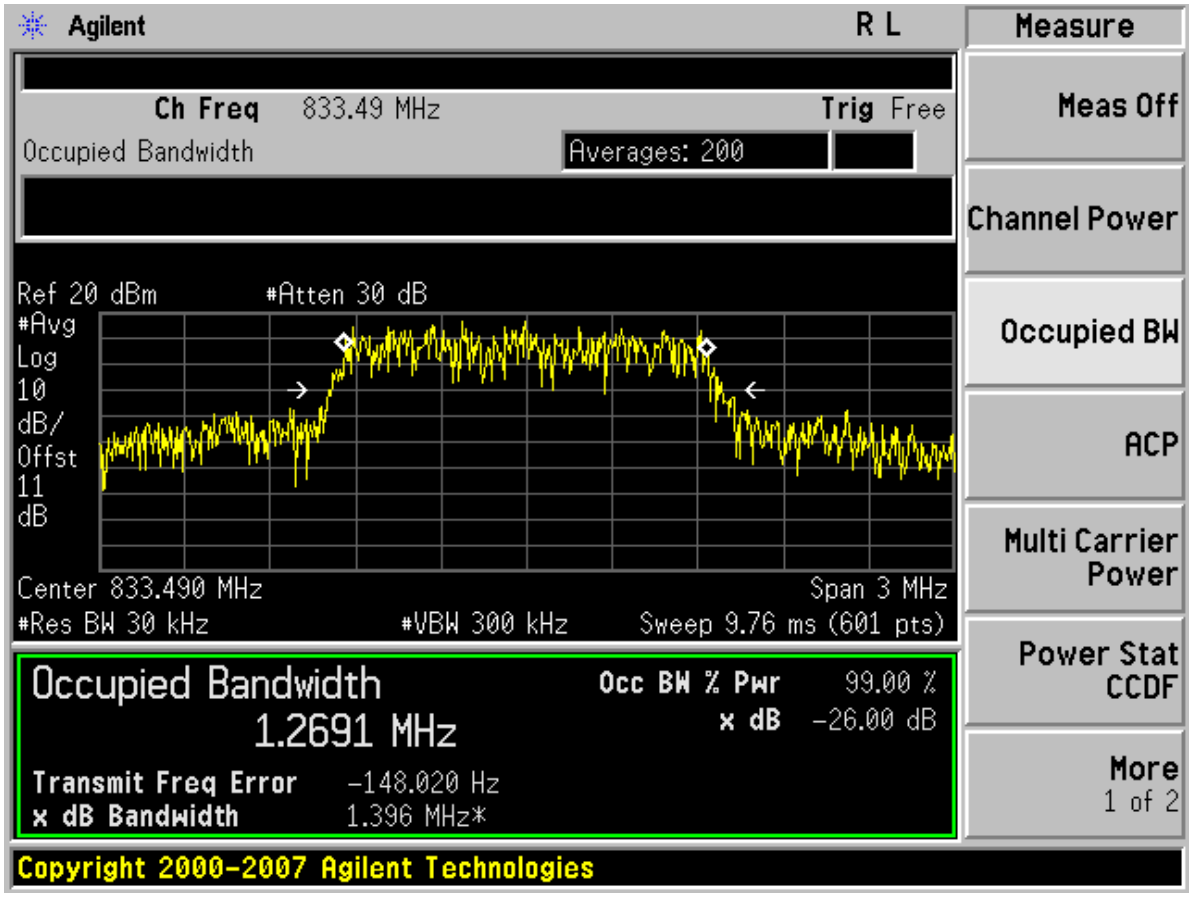
Channel 1013（TM1）



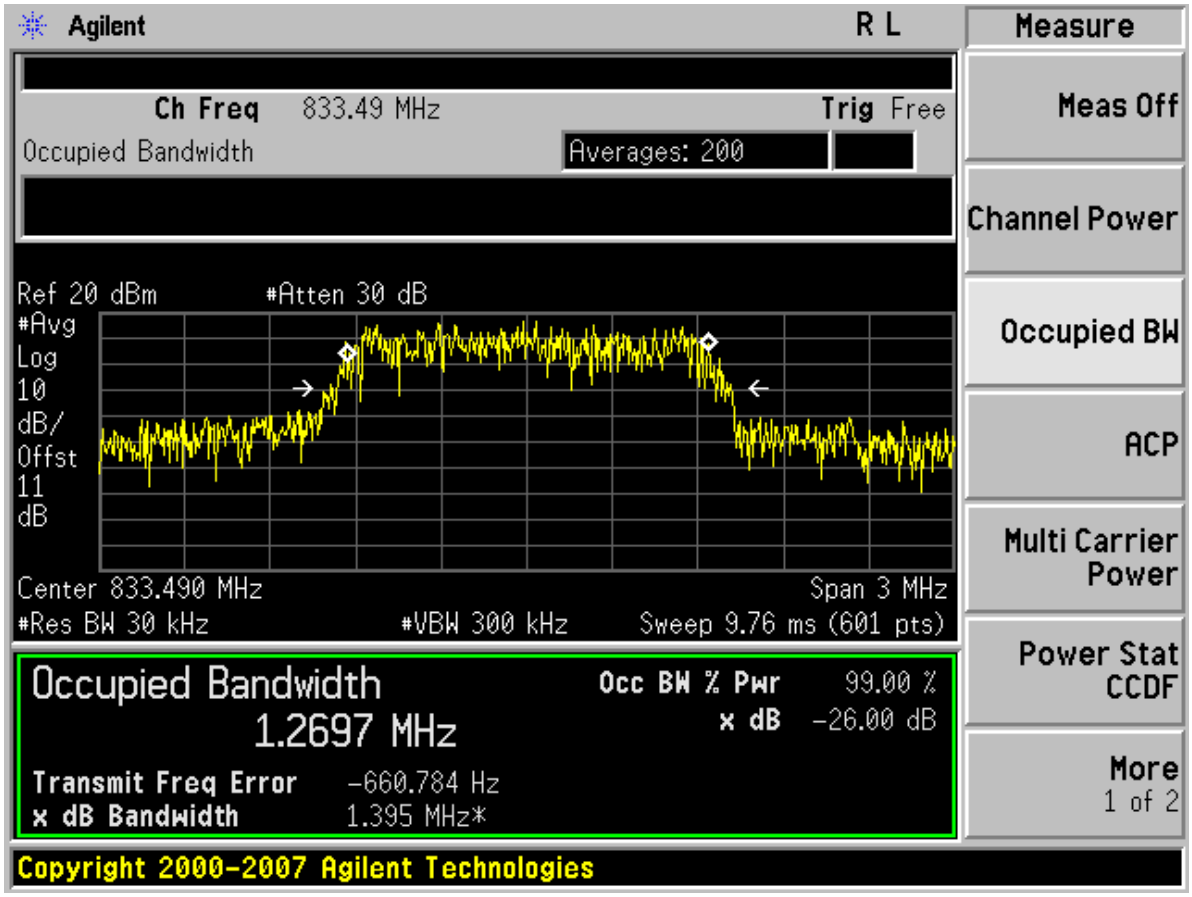
Channel 1013（TM3）



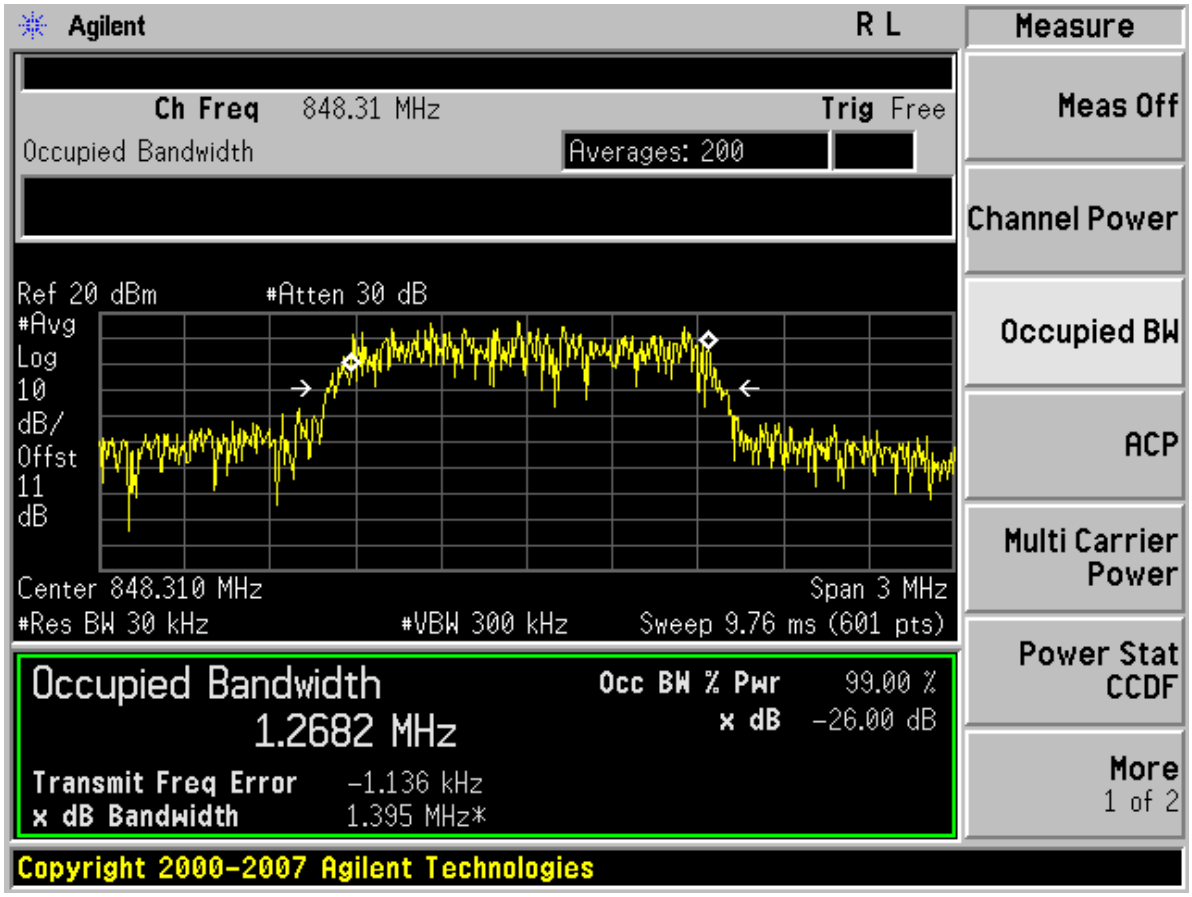
Channel 283（TM1）



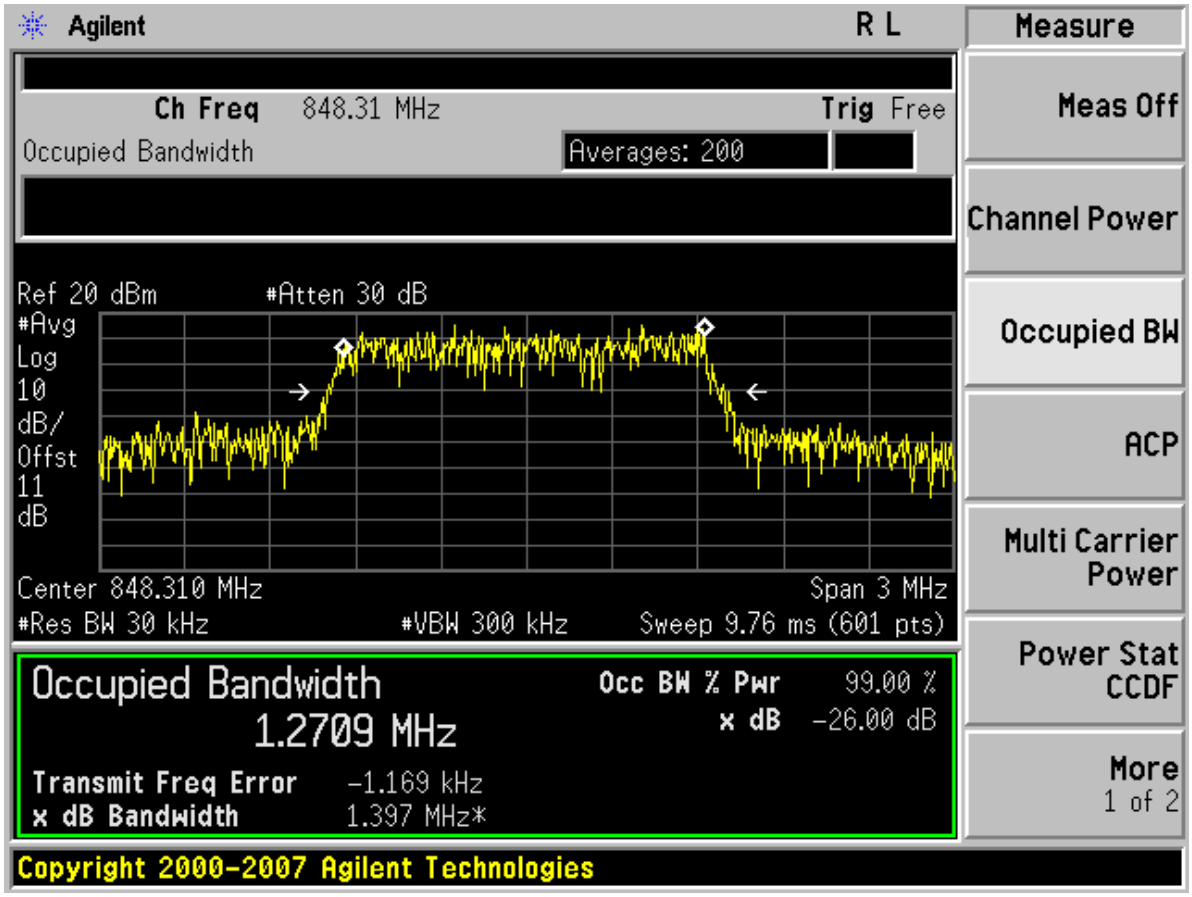
Channel 283（TM3）



Channel 777（TM1）



Channel 777（TM3）

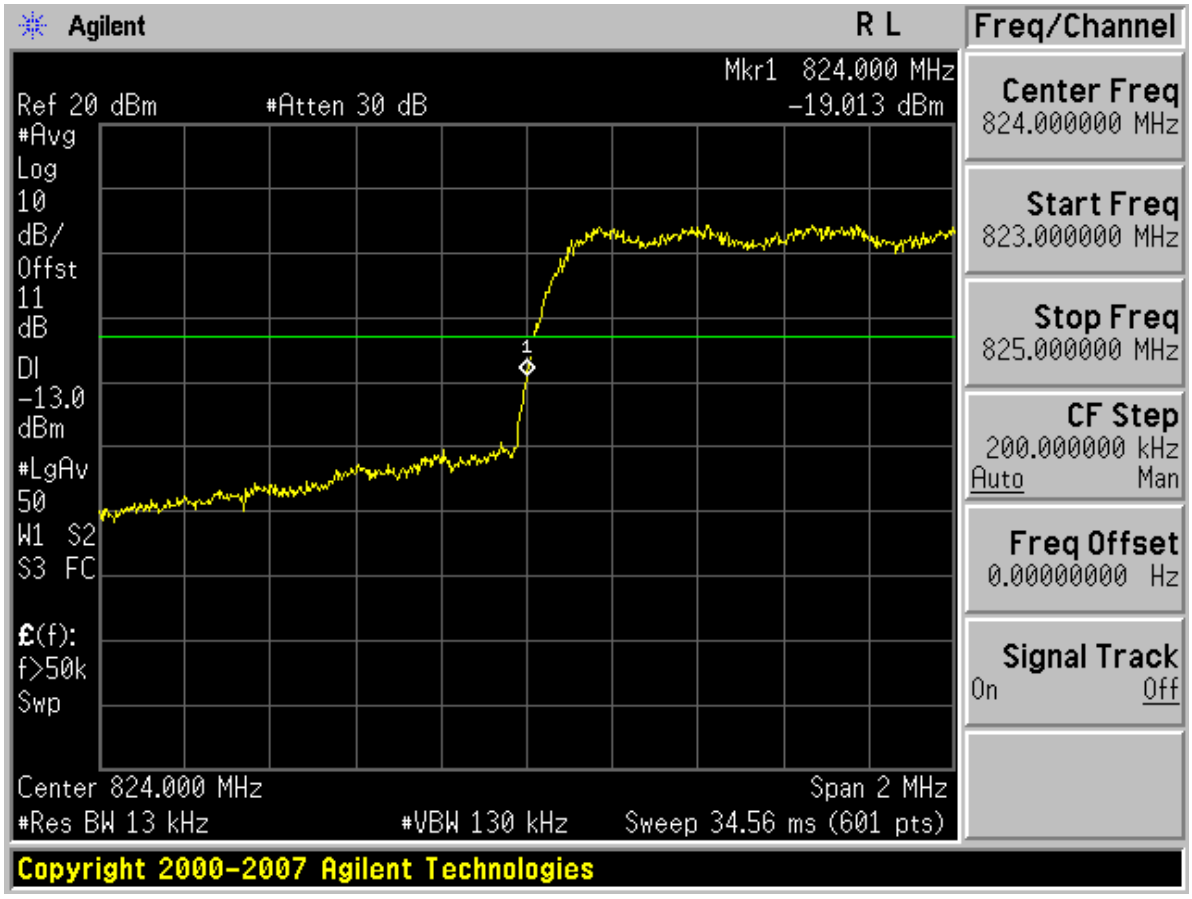


Appendix C

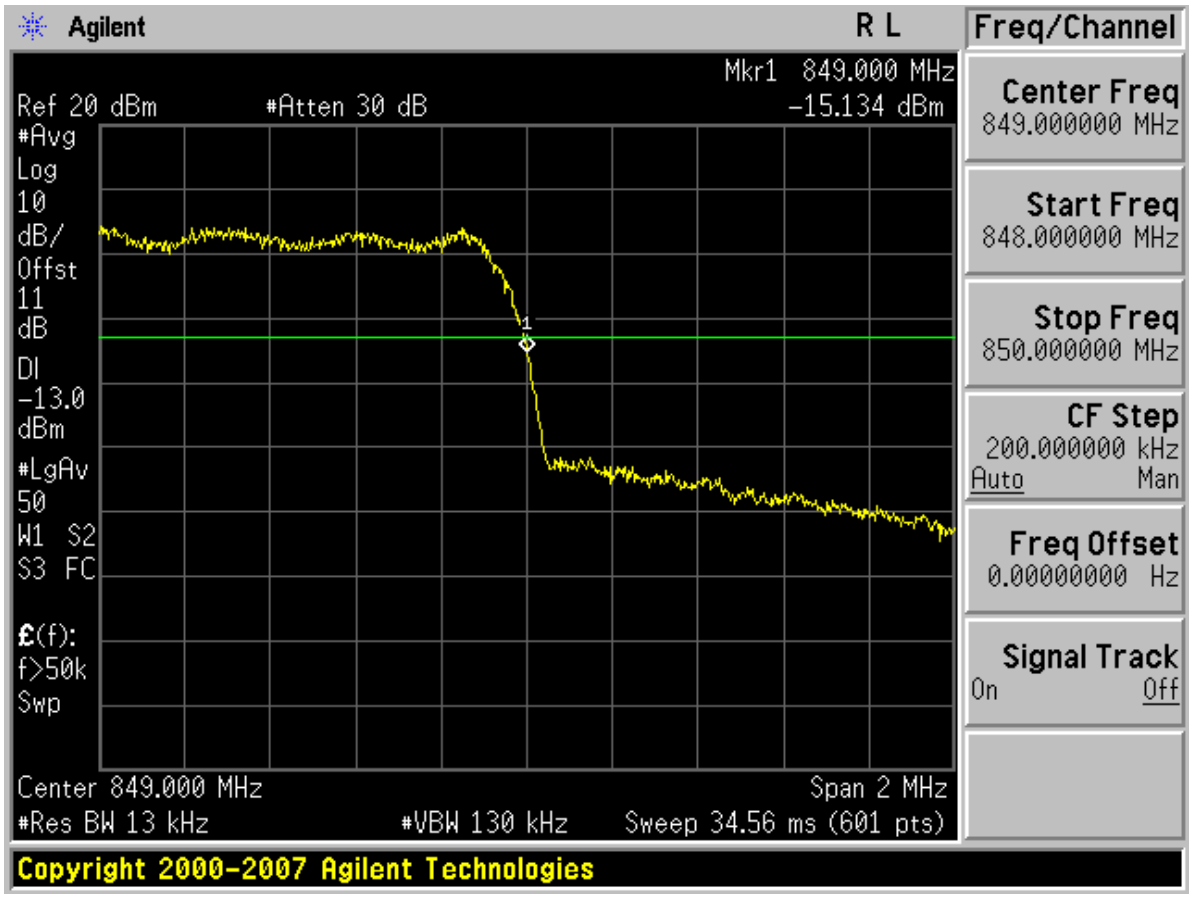
Band Edges Compliance

According to FCC Part 2.1051 & 22.917

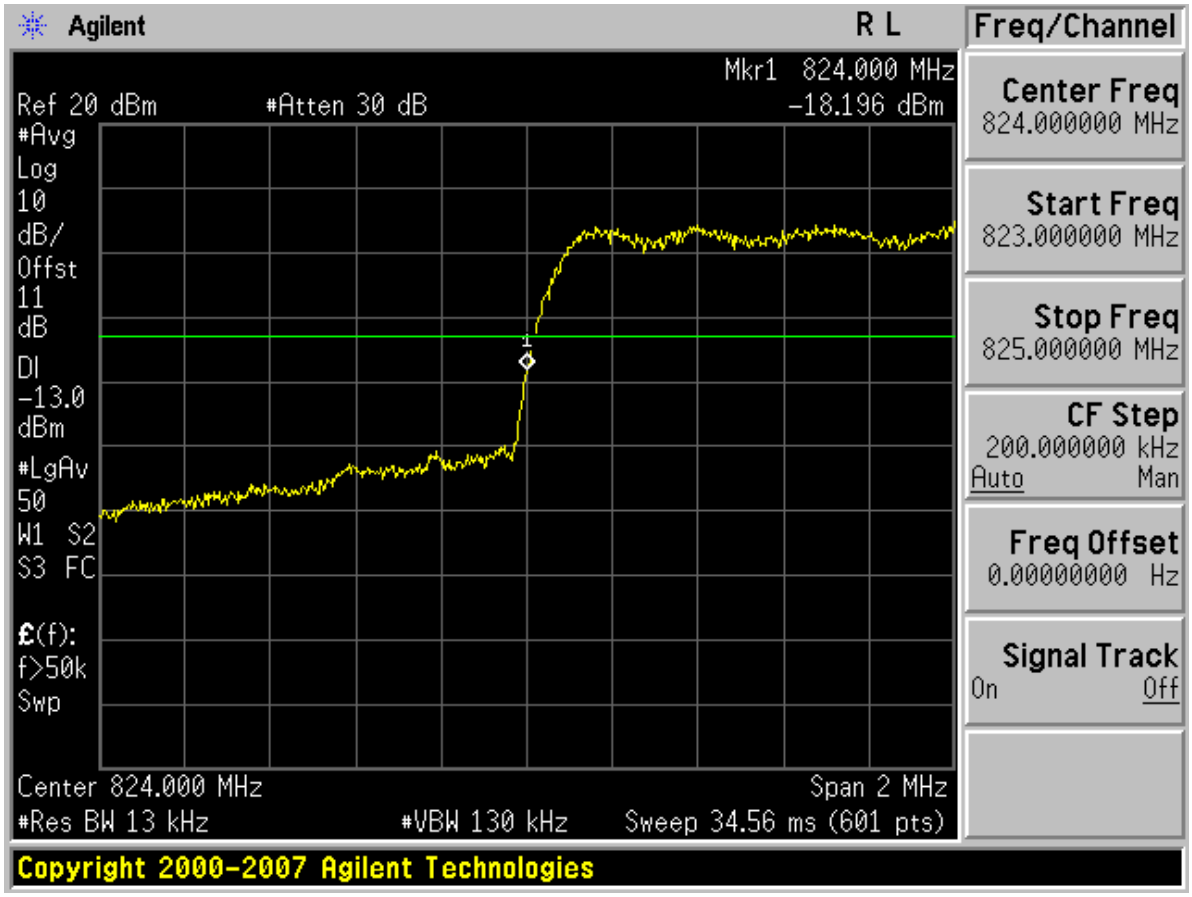
TM1
Left Edge
Channel 1013



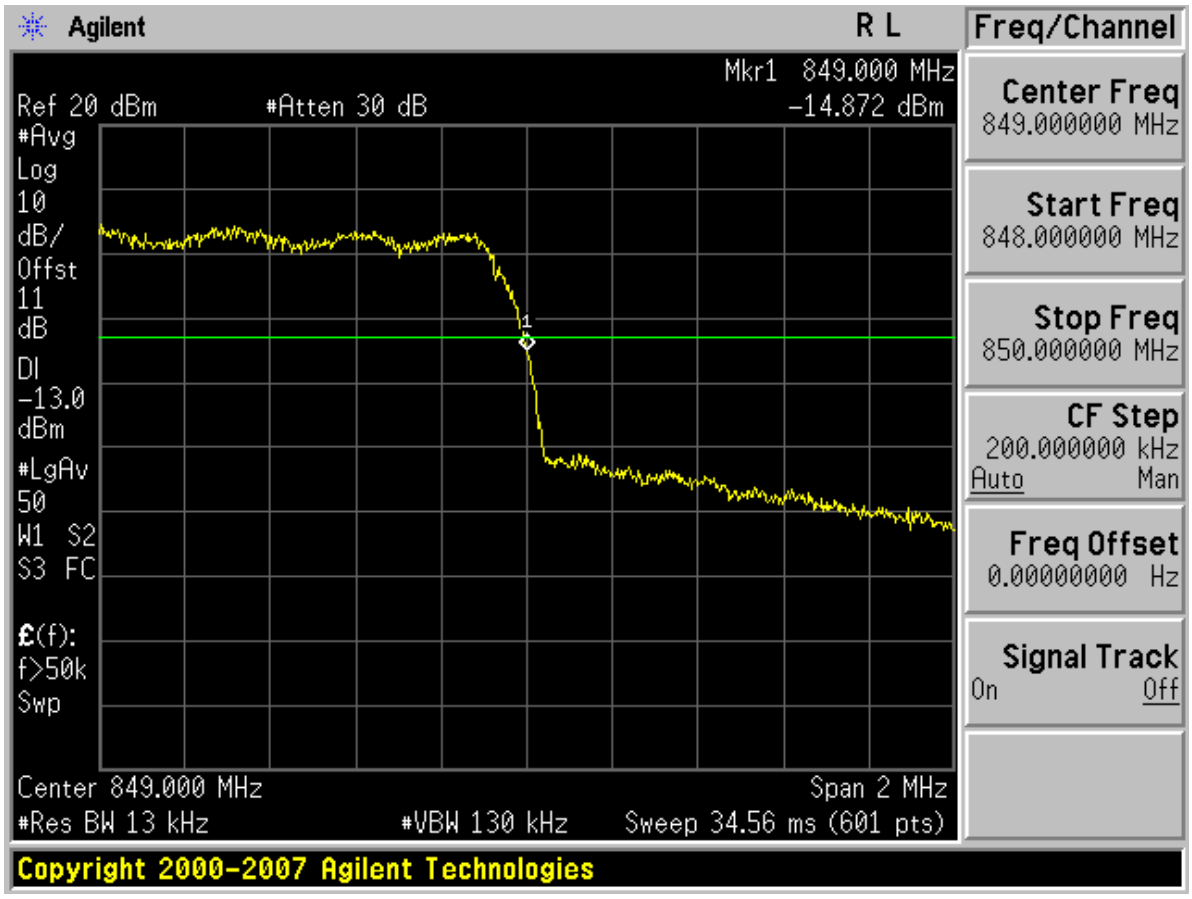
Right Edge
Channel 777



TM3
Left Edge
Channel 1013



Right Edge
Channel 777

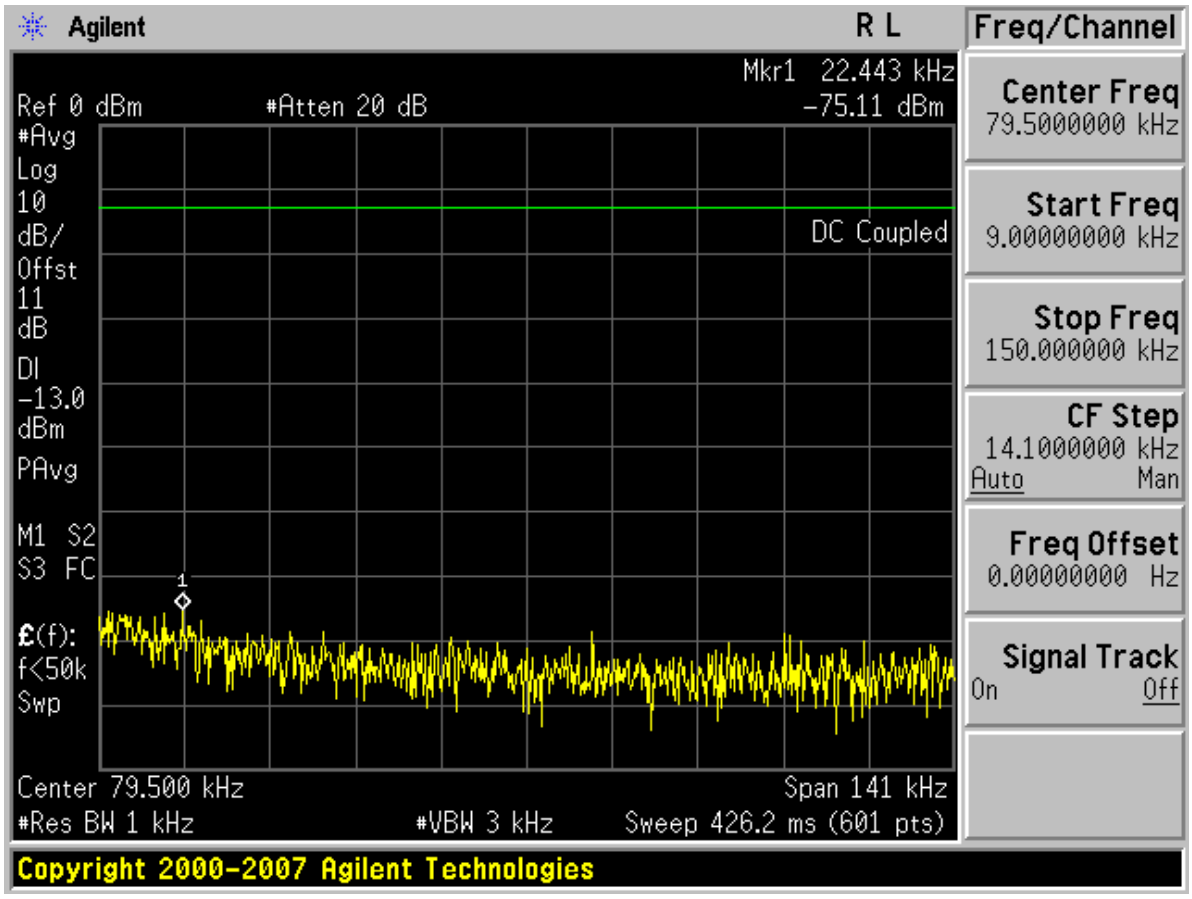


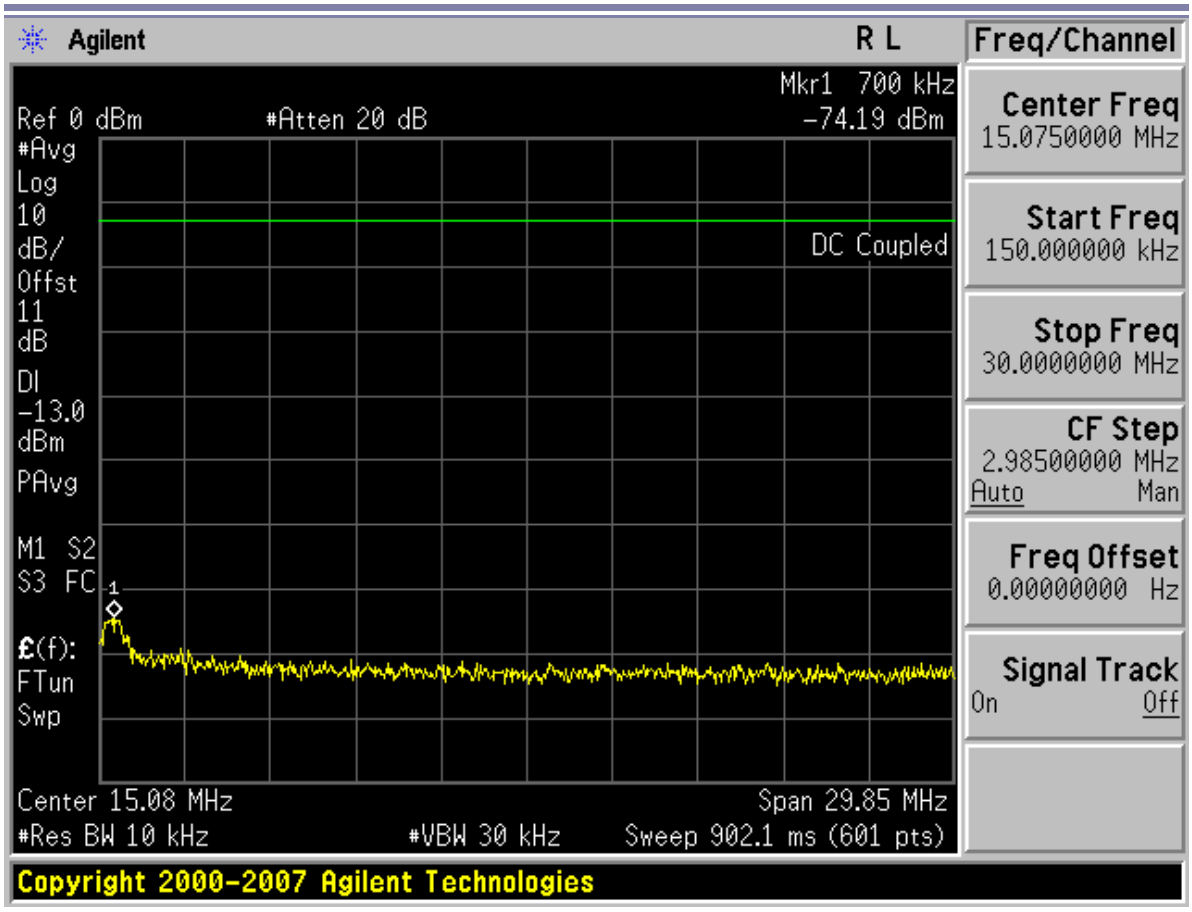
Appendix D

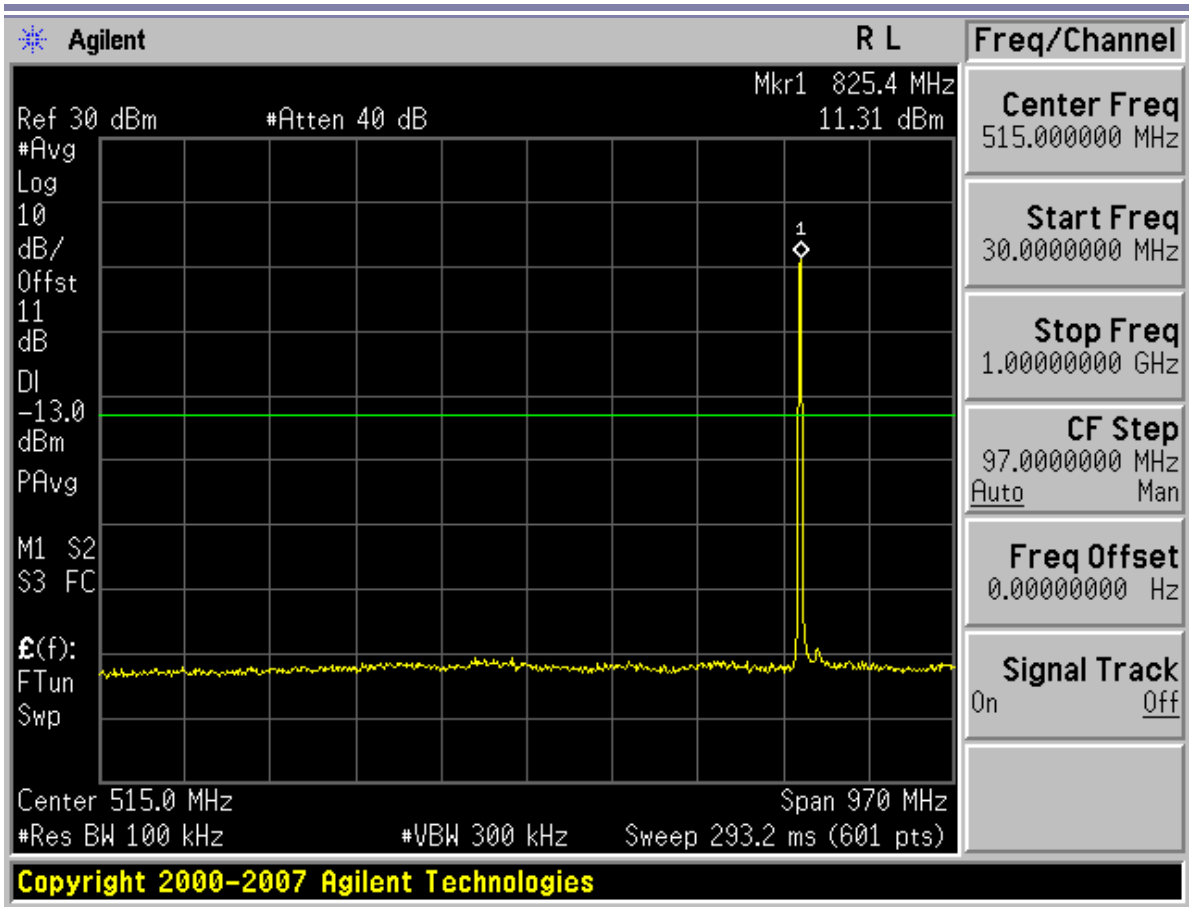
Spurious Emission at Antenna Terminal

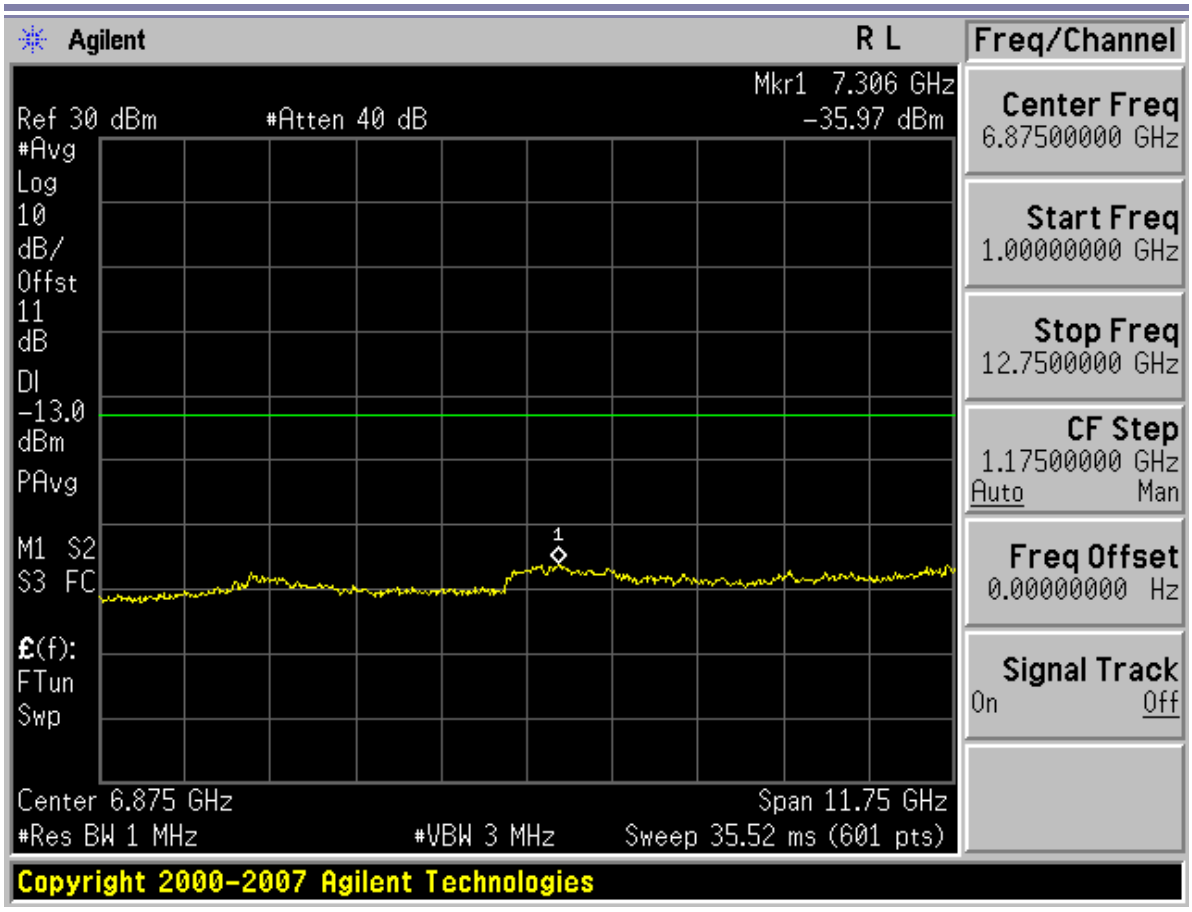
According to FCC Part 2.1051 & 22.917

TM1
Channel 1013

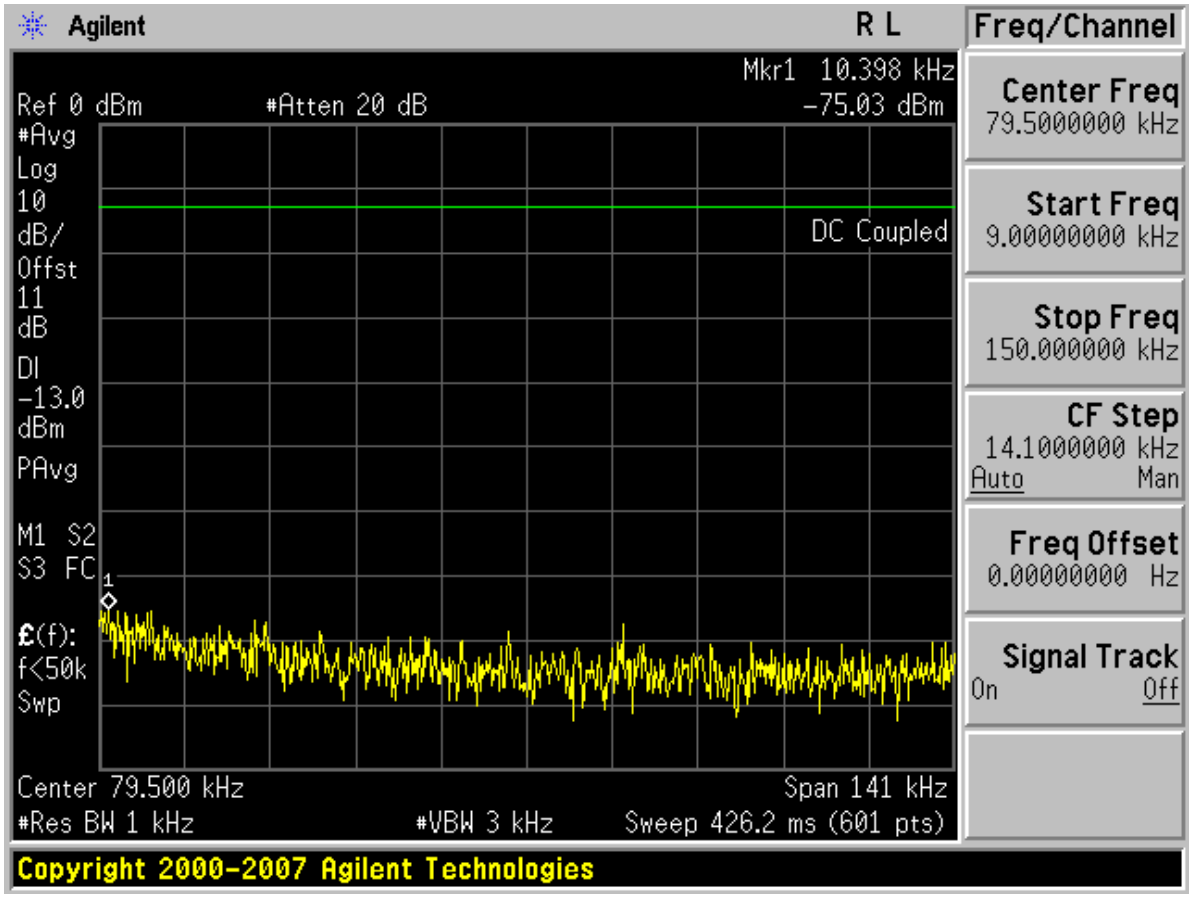


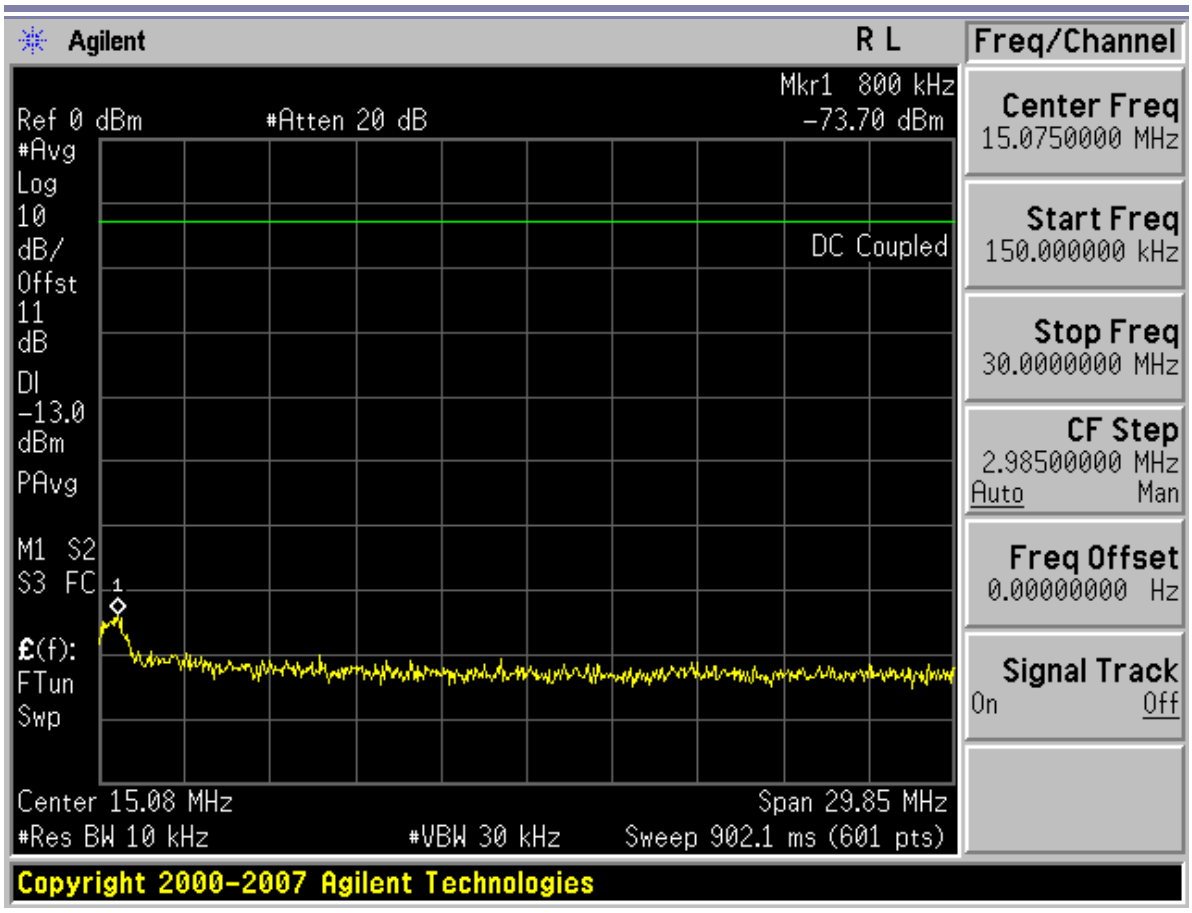

Agilent
R L
Freq/Channel
Mkr1 700 kHz
Ref 0 dBm
#Atten 20 dB
-74.19 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FC
1
£(f):
FTun
Swp
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 902.1 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

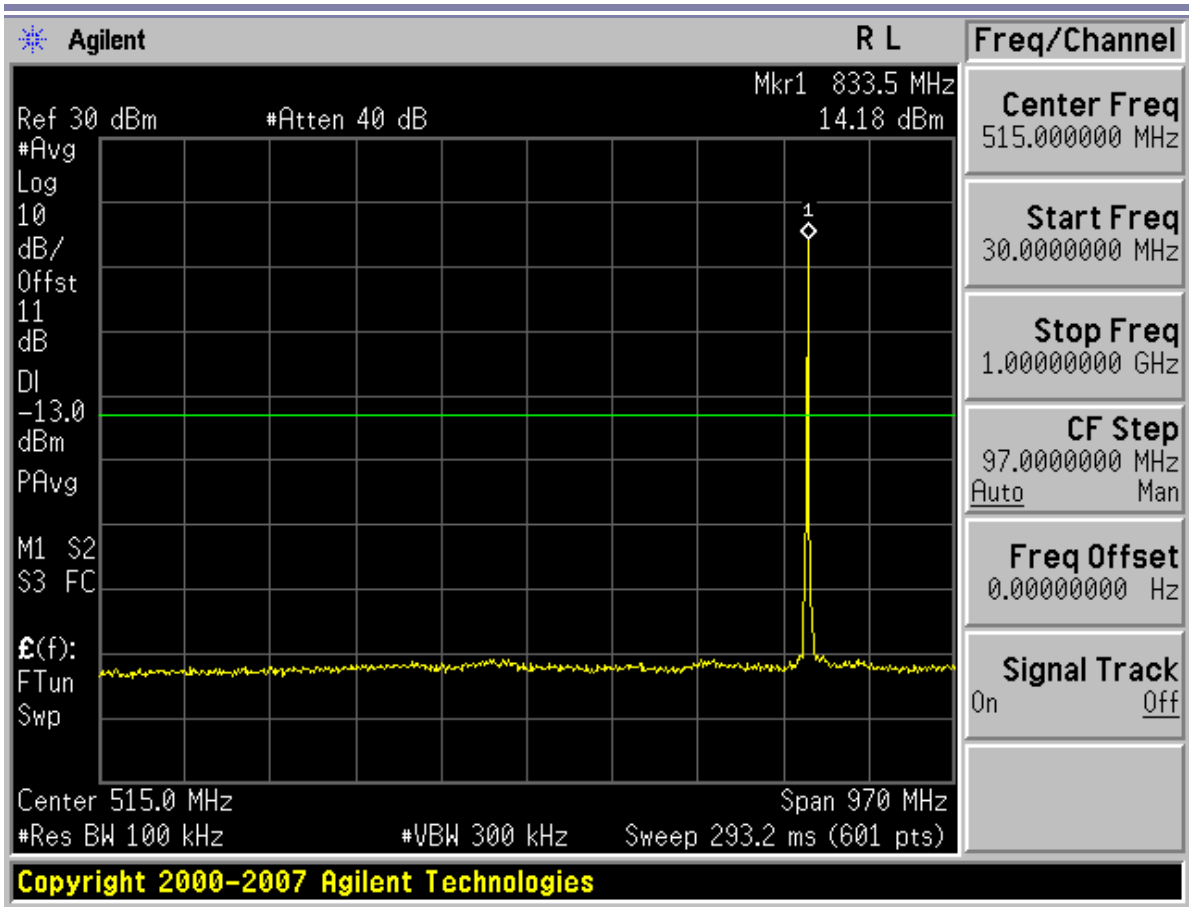

Agilent
R L
Freq/Channel
Mkr1 825.4 MHz
Ref 30 dBm
#Atten 40 dB
11.31 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 293.2 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

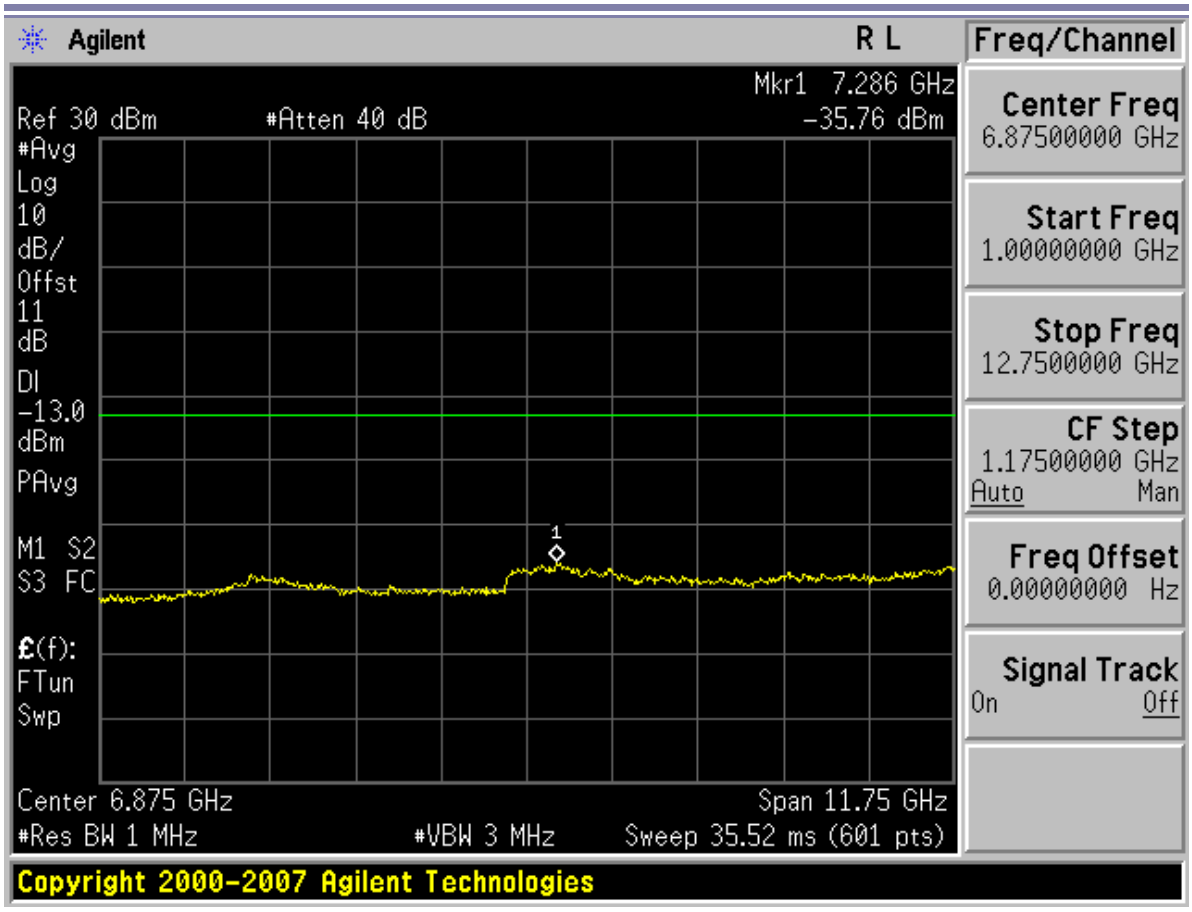

Agilent
R L
Freq/Channel
Mkr1 7.306 GHz
Ref 30 dBm
#Atten 40 dB
-35.97 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
6.87500000 GHz
Start Freq
1.00000000 GHz
Stop Freq
12.7500000 GHz
CF Step
1.17500000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 6.875 GHz
Span 11.75 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 35.52 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

Channel 283

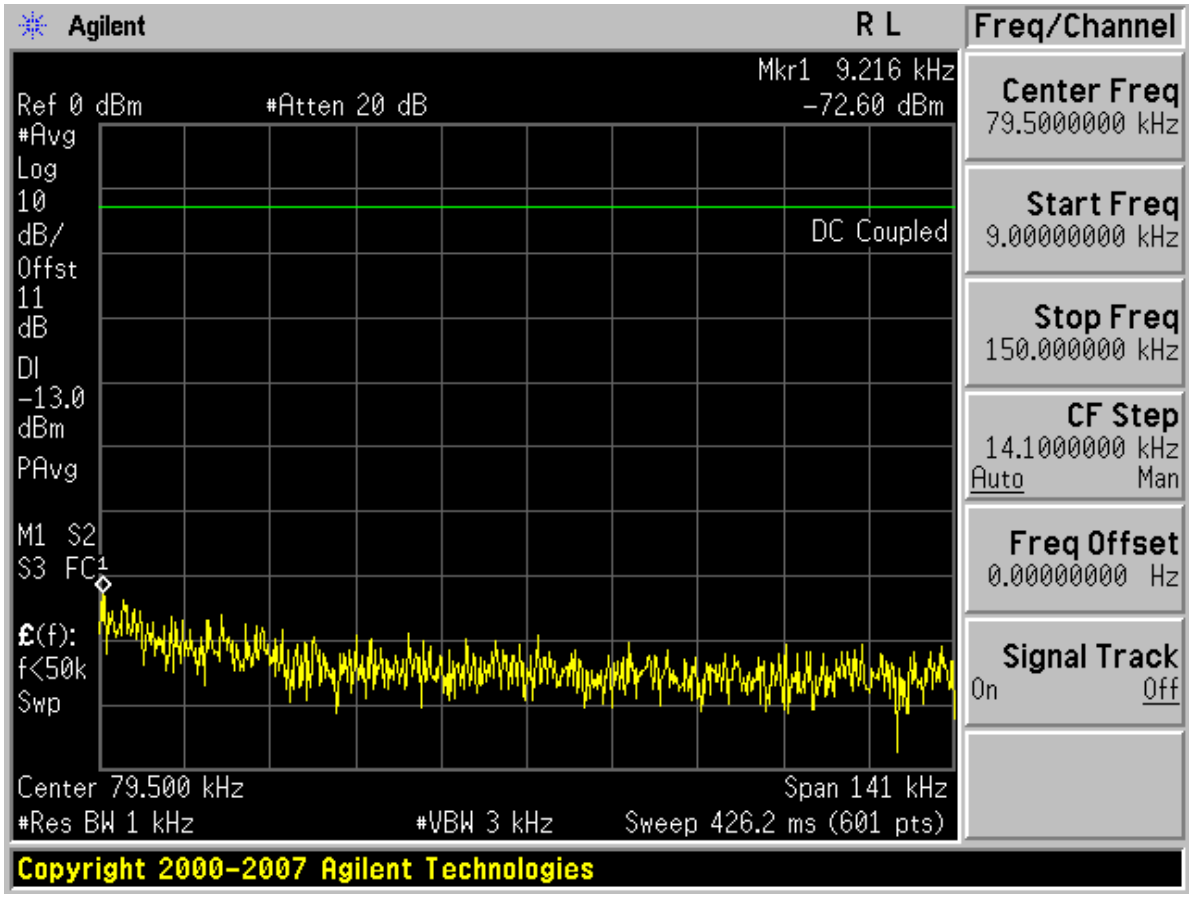

Agilent
R L
Freq/Channel
Mkr1 10.398 kHz
Ref 0 dBm
#Atten 20 dB
-75.03 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FC
£(f):
f<50k
Swp
Center Freq
79.5000000 kHz
Start Freq
9.00000000 kHz
Stop Freq
150.000000 kHz
CF Step
14.1000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 79.500 kHz
Span 141 kHz
#Res BW 1 kHz
#VBW 3 kHz
Sweep 426.2 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

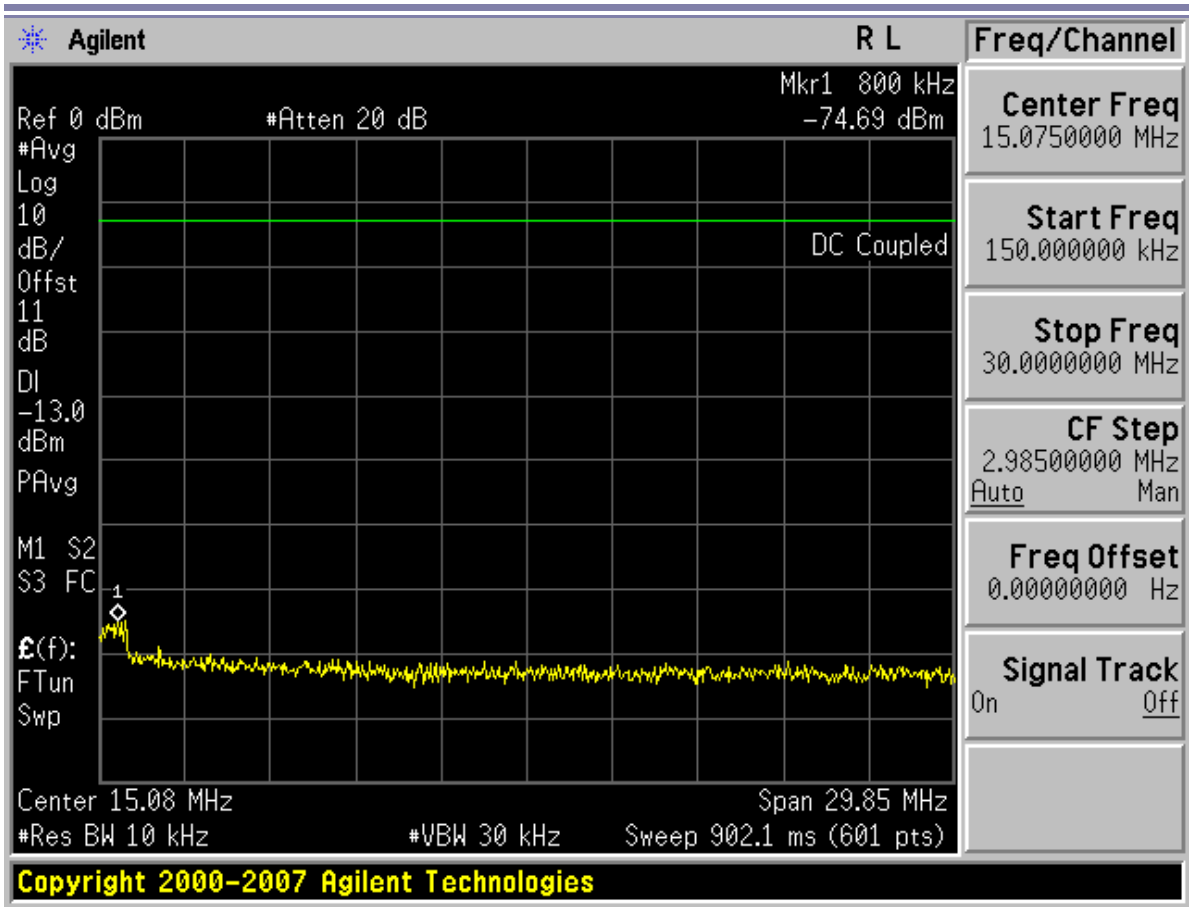

Agilent
R L
Freq/Channel
Mkr1 800 kHz
Ref 0 dBm
#Atten 20 dB
-73.70 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FC
1
£(f):
FTun
Swp
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 902.1 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

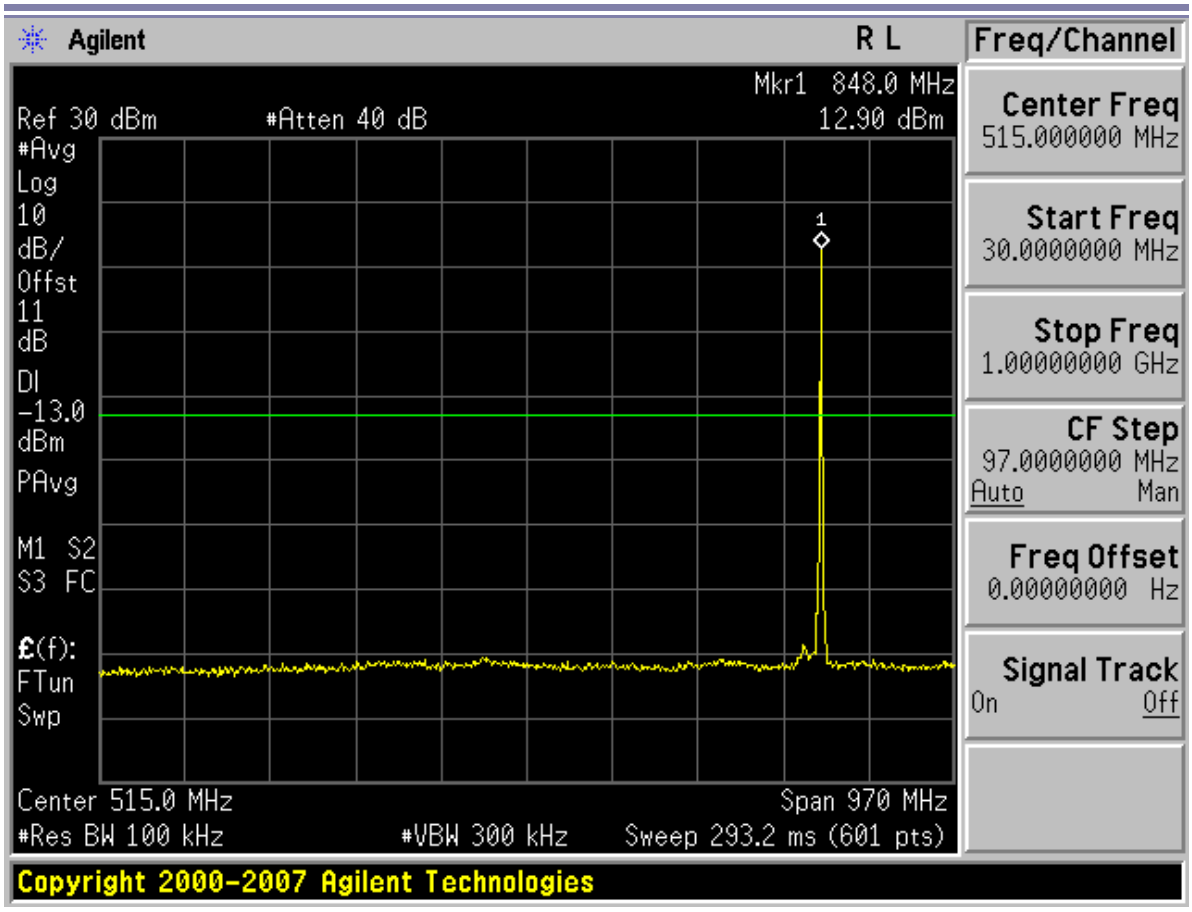

Agilent
R L
Freq/Channel
Mkr1 833.5 MHz
Ref 30 dBm
#Atten 40 dB
14.18 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 293.2 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

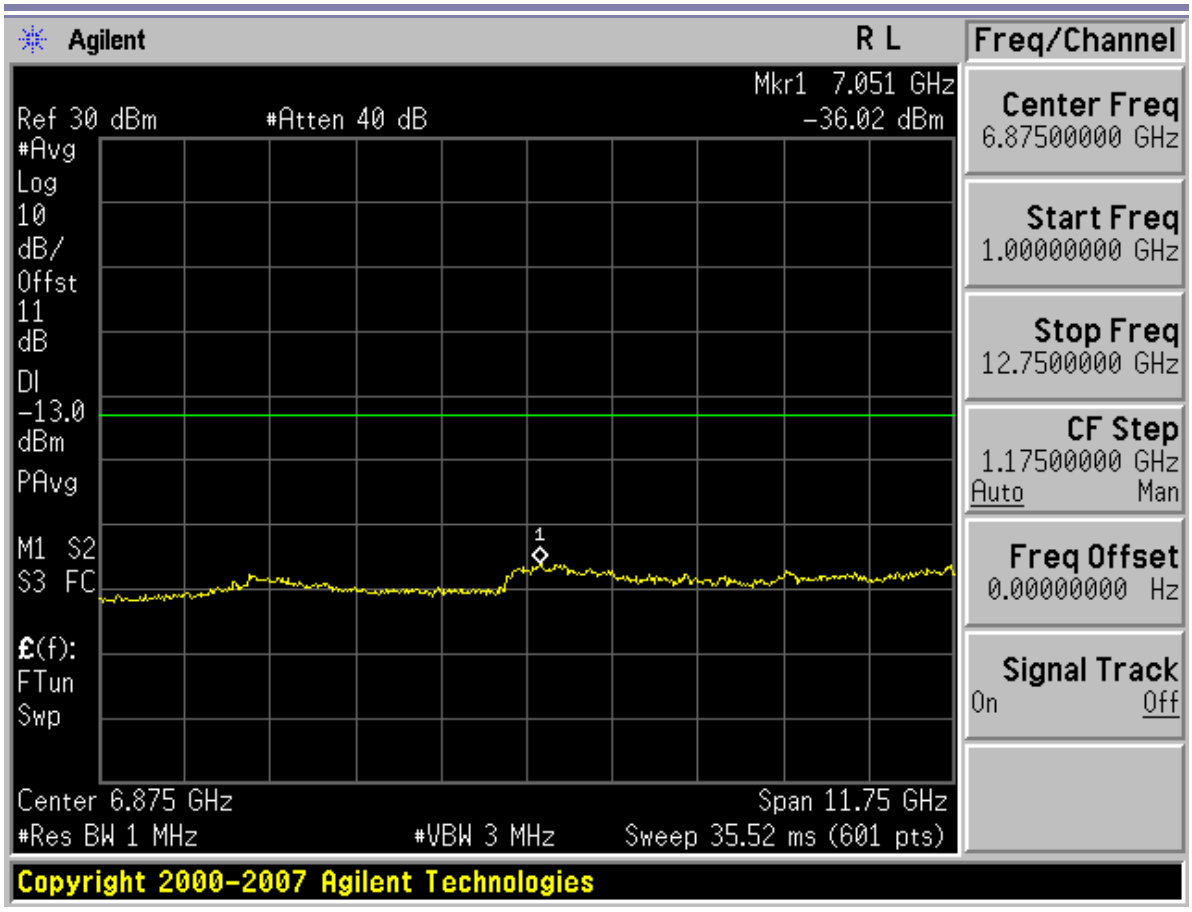

Agilent
R L
Freq/Channel
Mkr1 7.286 GHz
Ref 30 dBm
#Atten 40 dB
-35.76 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
6.87500000 GHz
Start Freq
1.00000000 GHz
Stop Freq
12.7500000 GHz
CF Step
1.17500000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 6.875 GHz
Span 11.75 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 35.52 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

Channel 777

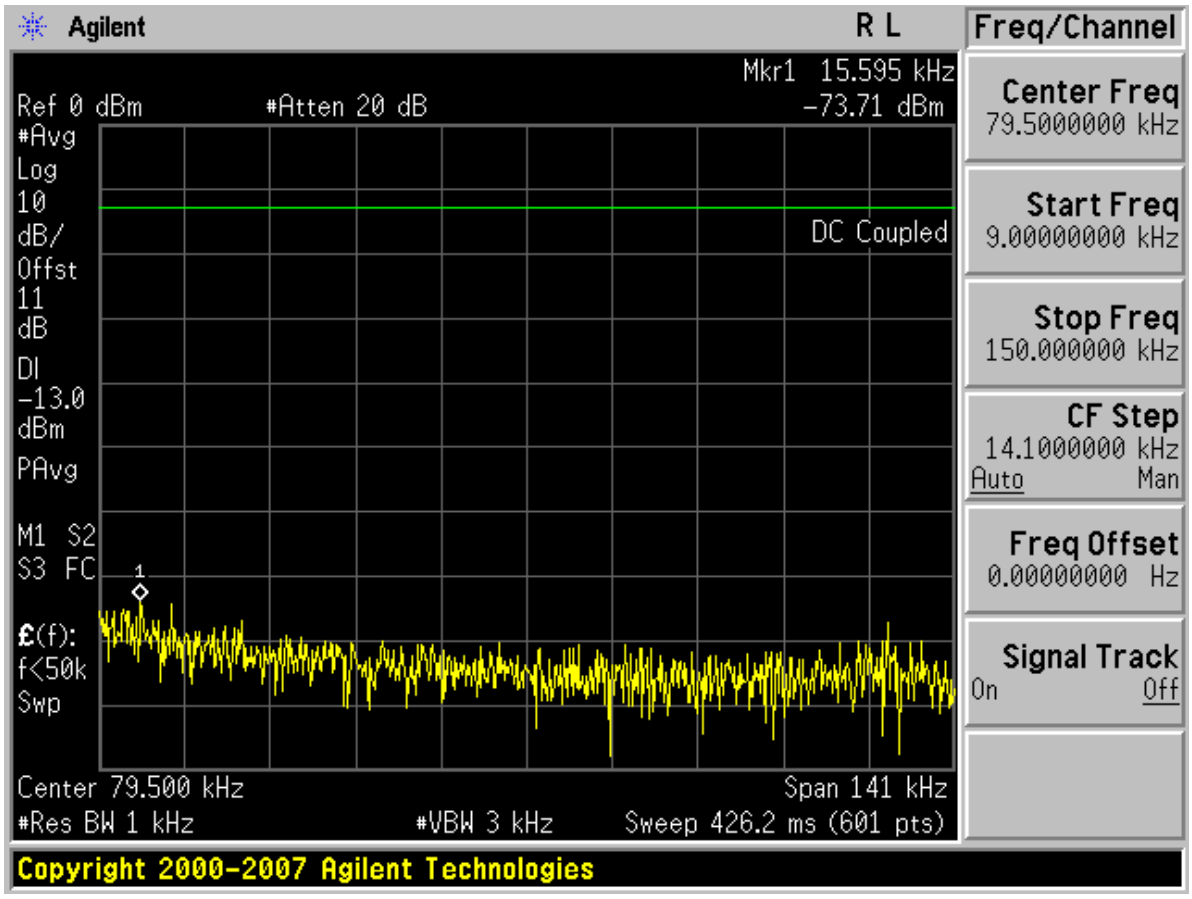

Agilent
R L
Freq/Channel
Mkr1 9.216 kHz
Ref 0 dBm
#Atten 20 dB
-72.60 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FC1
£(f):
f<50k
Swp
Center Freq
79.5000000 kHz
Start Freq
9.00000000 kHz
Stop Freq
150.000000 kHz
CF Step
14.1000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 79.500 kHz
Span 141 kHz
#Res BW 1 kHz
#VBW 3 kHz
Sweep 426.2 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

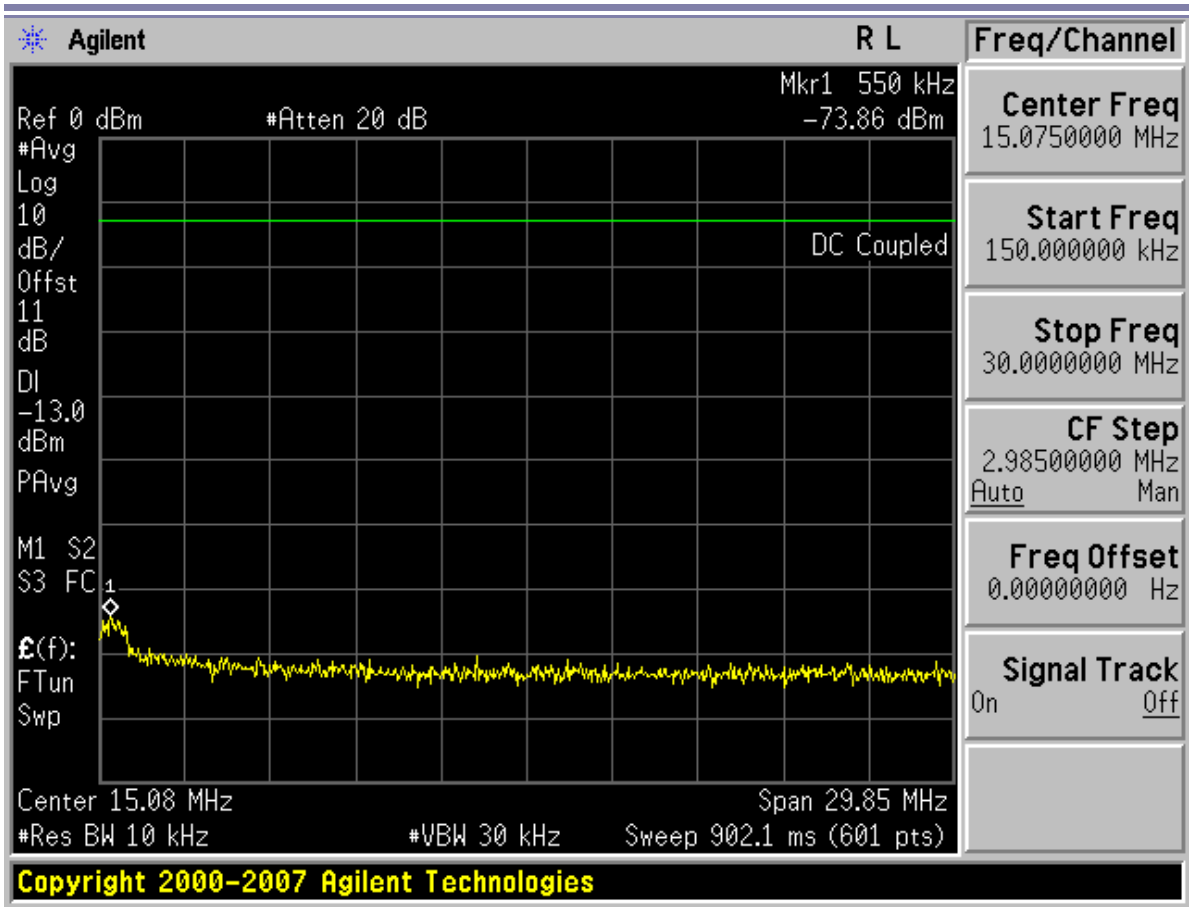

Agilent
R L
Freq/Channel
Mkr1 800 kHz
Ref 0 dBm
#Atten 20 dB
-74.69 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 902.1 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

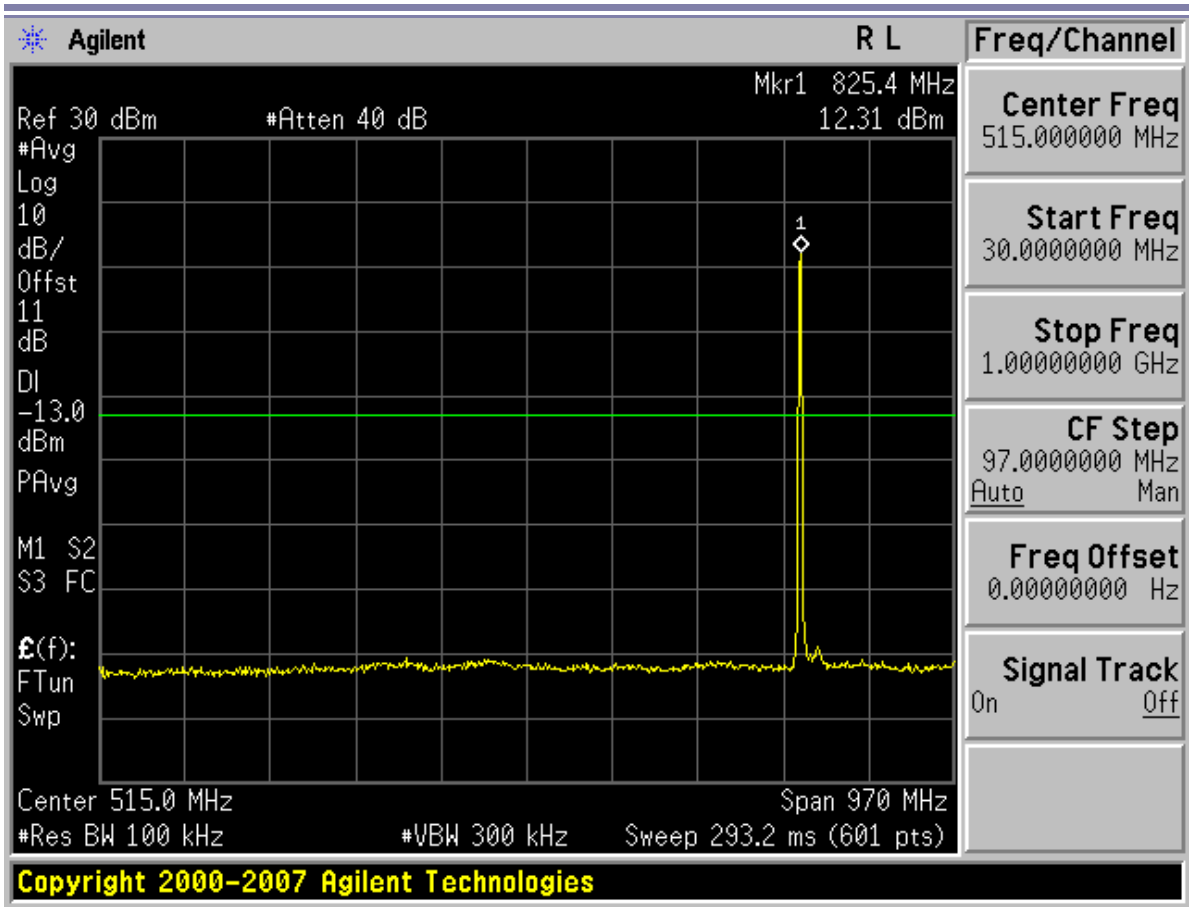

Agilent
R L
Freq/Channel
Mkr1 848.0 MHz
12.90 dBm
Ref 30 dBm
#Atten 40 dB
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 293.2 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

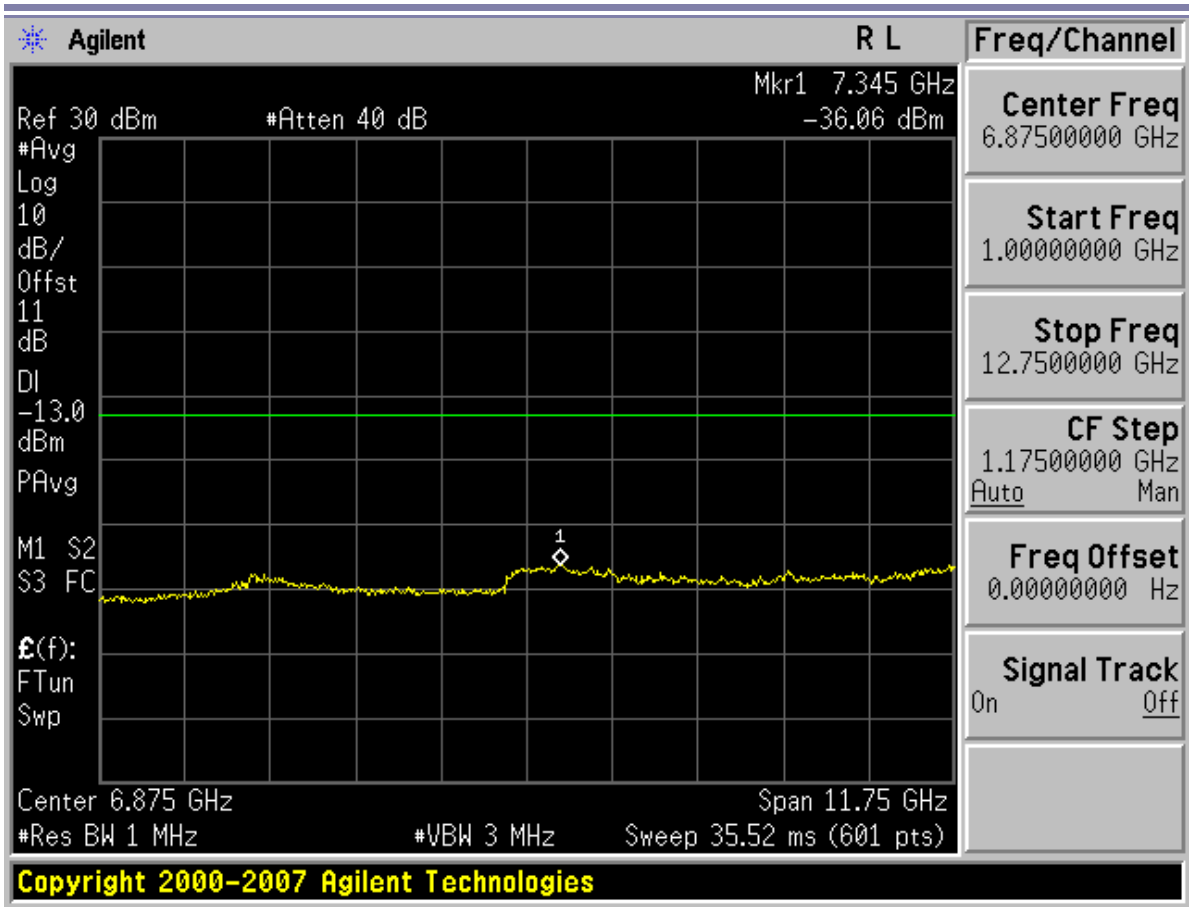

Agilent
R L
Freq/Channel
Mkr1 7.051 GHz
Ref 30 dBm
#Atten 40 dB
-36.02 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
6.87500000 GHz
Start Freq
1.00000000 GHz
Stop Freq
12.7500000 GHz
CF Step
1.17500000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 6.875 GHz
Span 11.75 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 35.52 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

TM3
Channel 1013

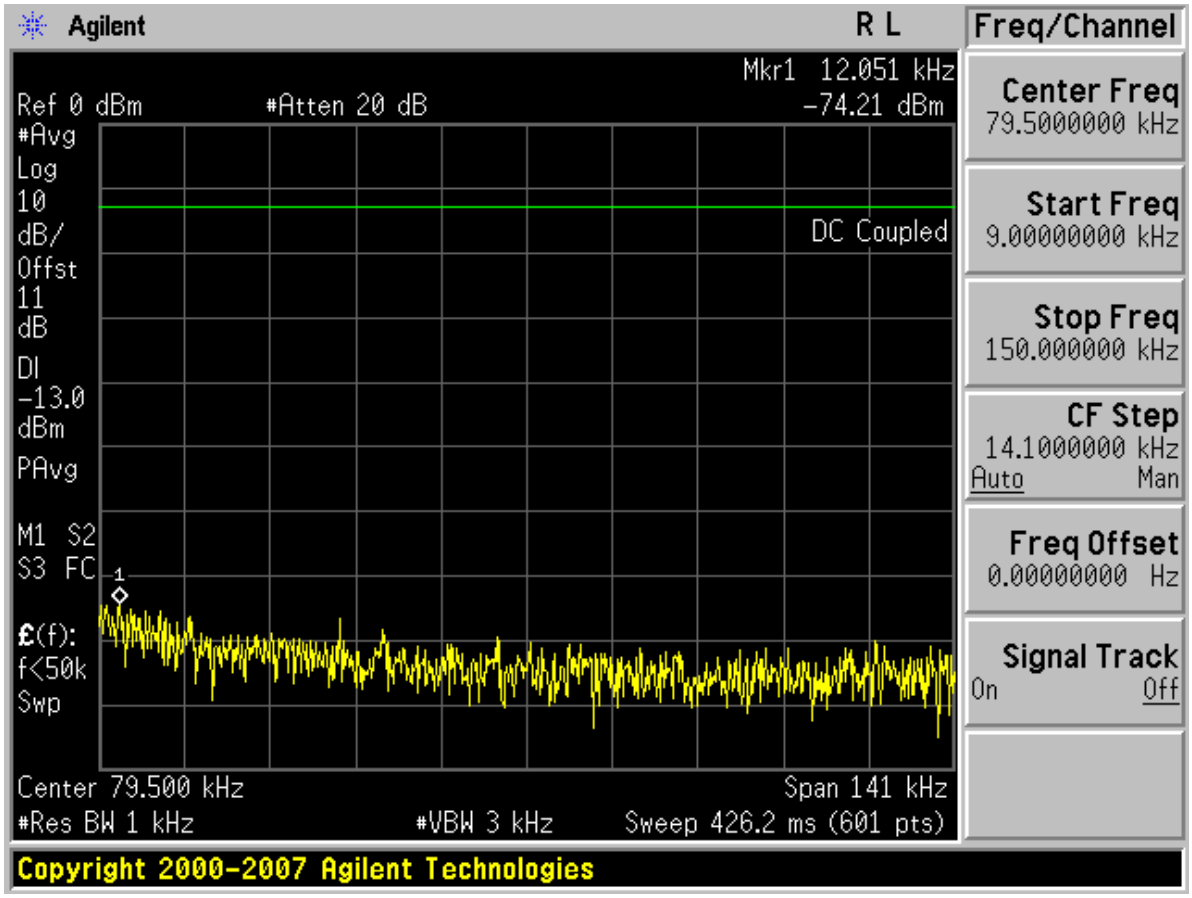


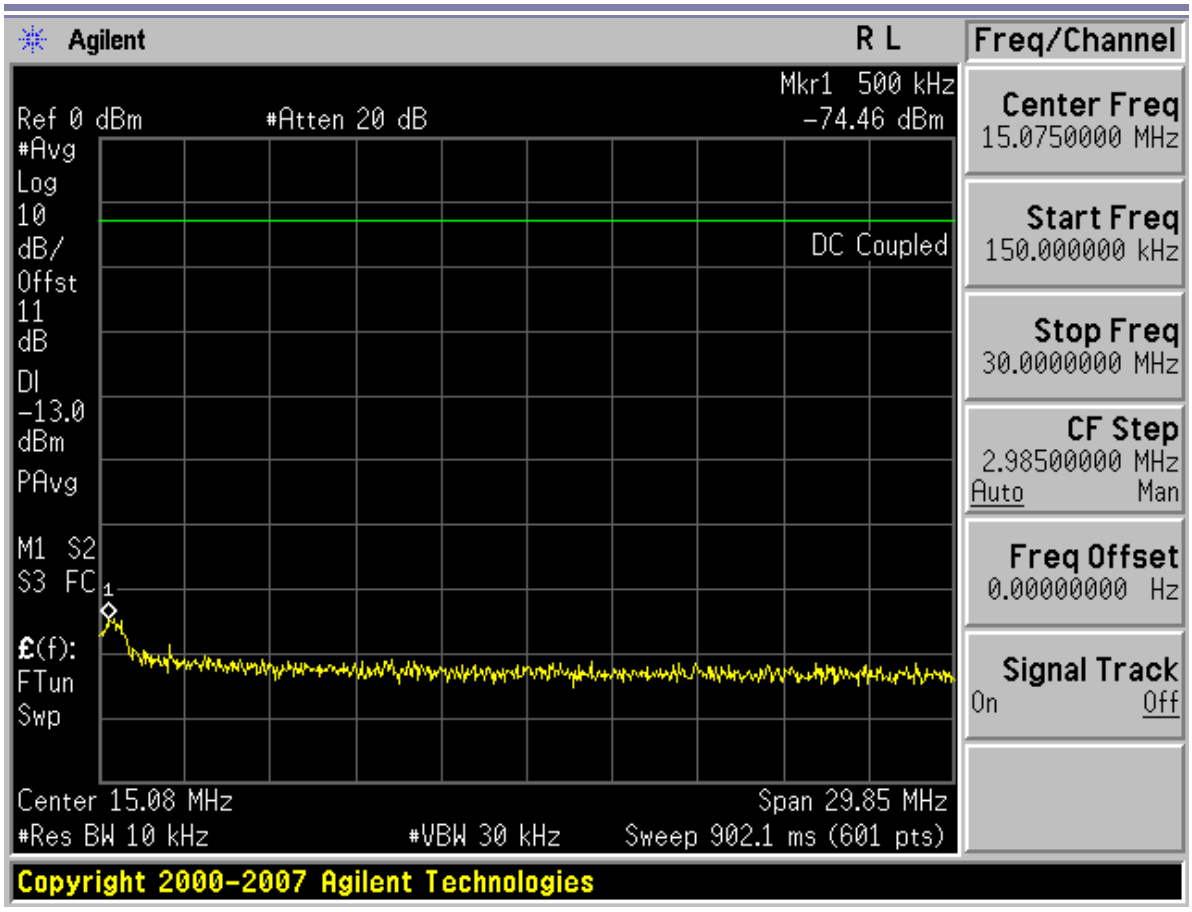

Agilent
R L
Freq/Channel
Mkr1 550 kHz
Ref 0 dBm
#Atten 20 dB
-73.86 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FC
1
£(f):
FTun
Swp
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 902.1 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

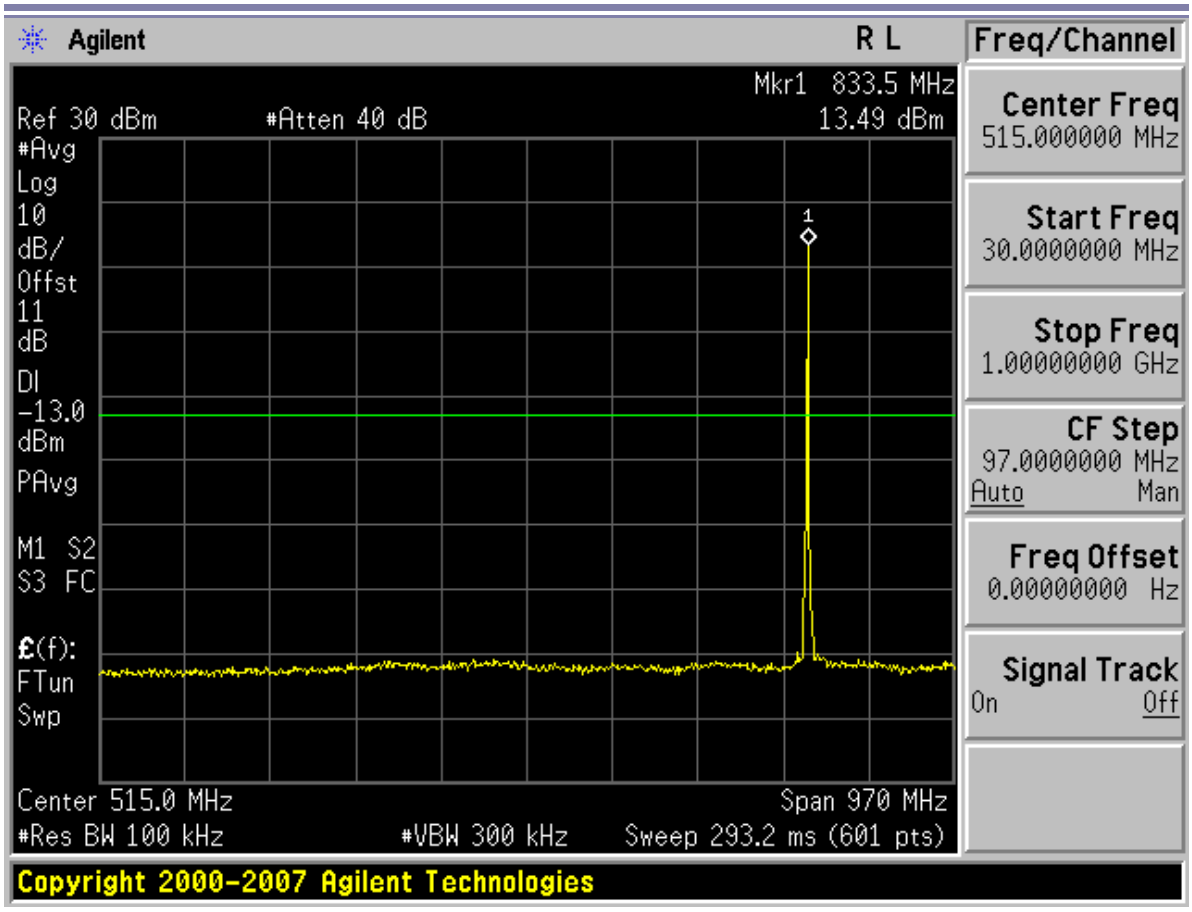

Agilent
R L
Freq/Channel
Mkr1 825.4 MHz
12.31 dBm
Ref 30 dBm
#Atten 40 dB
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 293.2 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

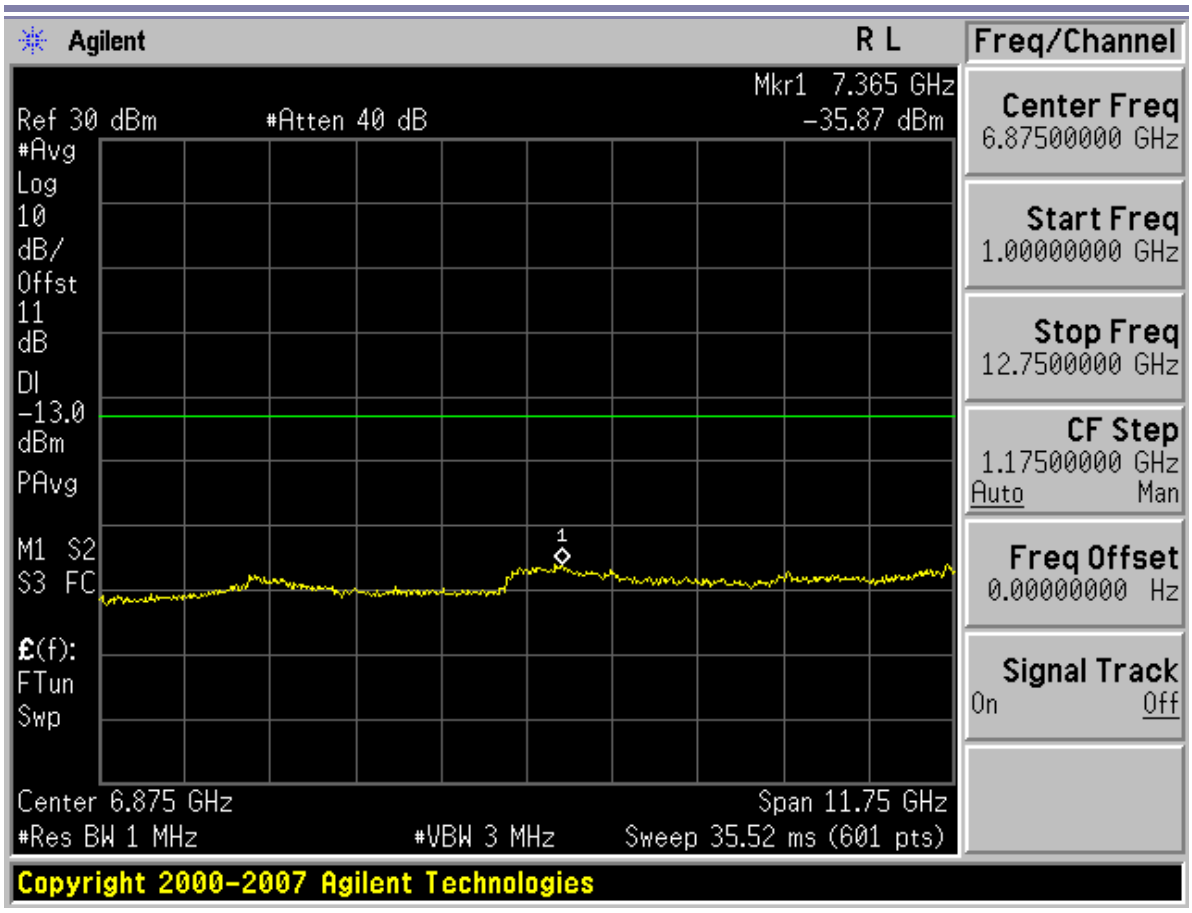

Agilent
R L
Freq/Channel
Mkr1 7.345 GHz
Ref 30 dBm
#Atten 40 dB
-36.06 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
6.87500000 GHz
Start Freq
1.00000000 GHz
Stop Freq
12.7500000 GHz
CF Step
1.17500000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 6.875 GHz
Span 11.75 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 35.52 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

Channel 283

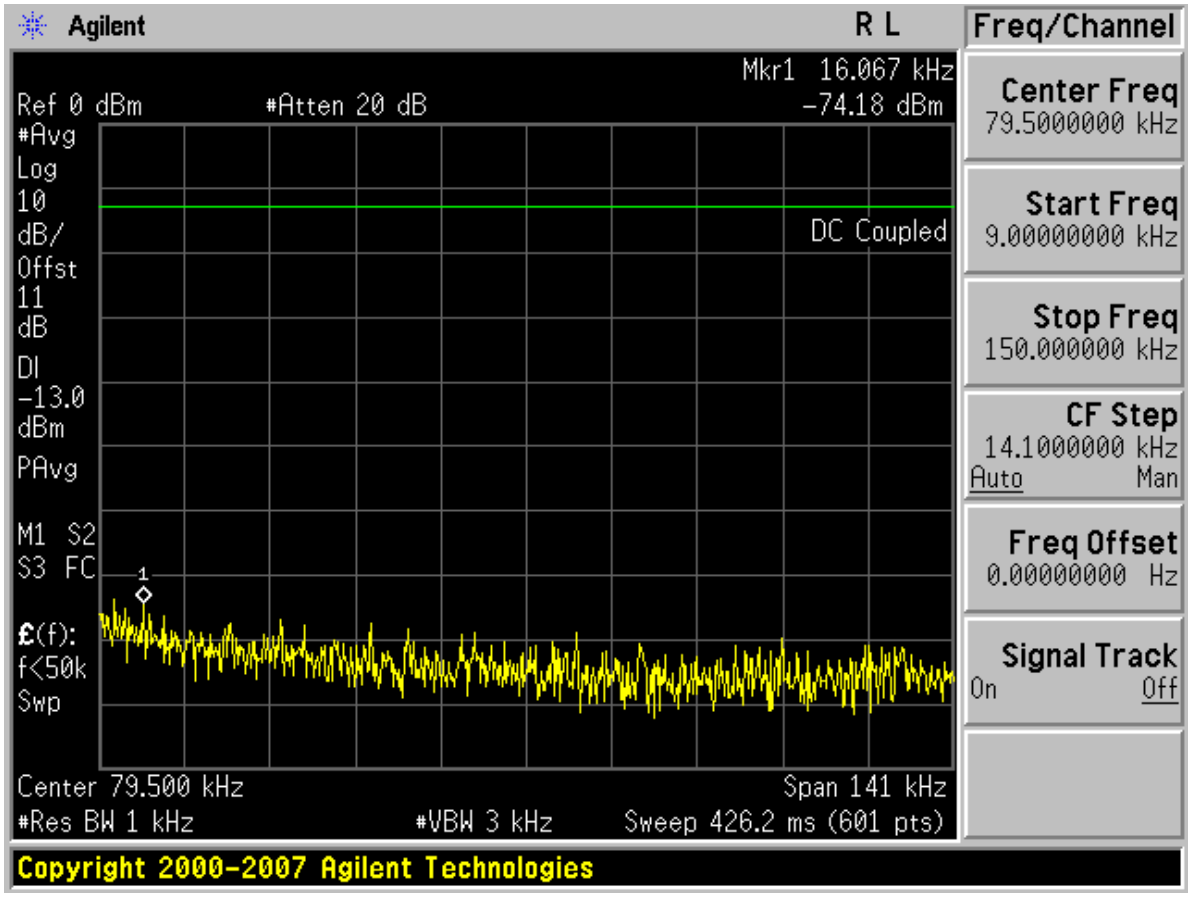

Agilent
R L
Freq/Channel
Mkr1 12.051 kHz
Ref 0 dBm
#Atten 20 dB
-74.21 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FC
£(f):
f<50k
Swp
Center Freq
79.5000000 kHz
Start Freq
9.00000000 kHz
Stop Freq
150.000000 kHz
CF Step
14.1000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 79.500 kHz
Span 141 kHz
#Res BW 1 kHz
#VBW 3 kHz
Sweep 426.2 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

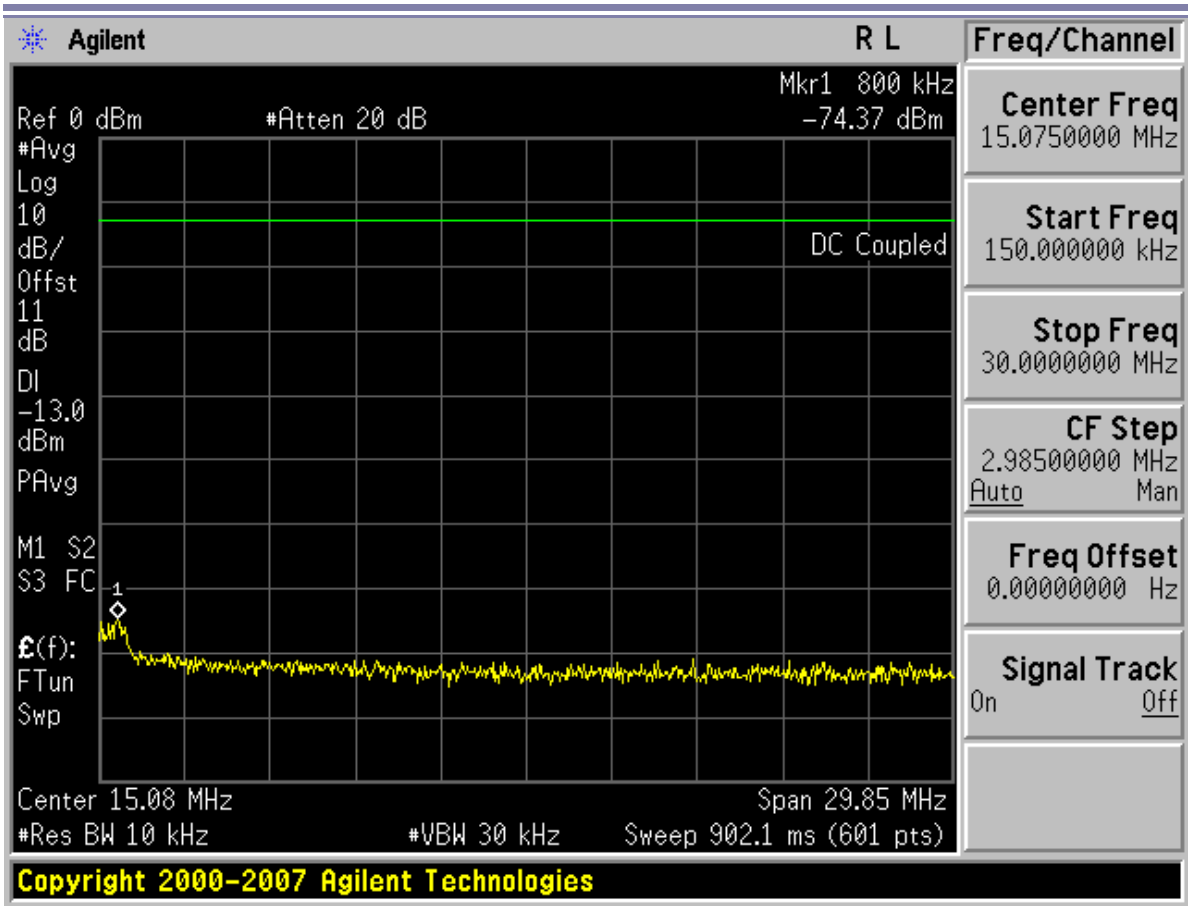

Agilent
R L
Freq/Channel
Mkr1 500 kHz
Ref 0 dBm
#Atten 20 dB
-74.46 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FC
1
£(f):
FTun
Swp
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 902.1 ms (601 pts)
Copyright 2000-2007 Agilent Technologies


Agilent
R L
Freq/Channel
Mkr1 833.5 MHz
Ref 30 dBm
#Atten 40 dB
13.49 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 293.2 ms (601 pts)
Copyright 2000-2007 Agilent Technologies


Agilent
R L
Freq/Channel
Mkr1 7.365 GHz
Ref 30 dBm
#Atten 40 dB
-35.87 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
6.87500000 GHz
Start Freq
1.00000000 GHz
Stop Freq
12.7500000 GHz
CF Step
1.17500000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 6.875 GHz
Span 11.75 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 35.52 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

Channel 777


Agilent
R L
Freq/Channel
Mkr1 16.067 kHz
Ref 0 dBm
#Atten 20 dB
-74.18 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FC
£(f):
f<50k
Swp
Center Freq
79.5000000 kHz
Start Freq
9.00000000 kHz
Stop Freq
150.000000 kHz
CF Step
14.1000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 79.500 kHz
Span 141 kHz
#Res BW 1 kHz
#VBW 3 kHz
Sweep 426.2 ms (601 pts)
Copyright 2000-2007 Agilent Technologies


Agilent
R L
Freq/Channel
Mkr1 800 kHz
Ref 0 dBm
#Atten 20 dB
-74.37 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FC
£(f):
FTun
Swp
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
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 902.1 ms (601 pts)
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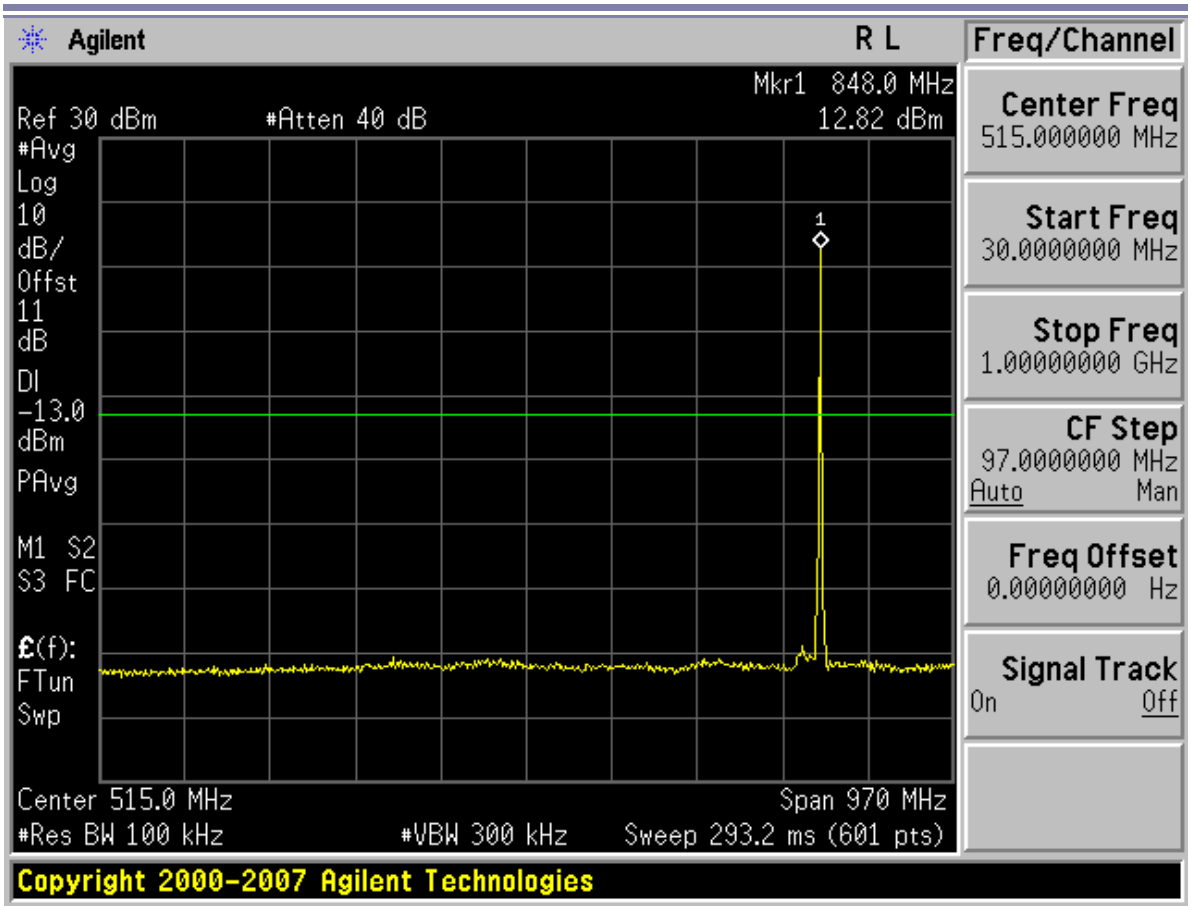
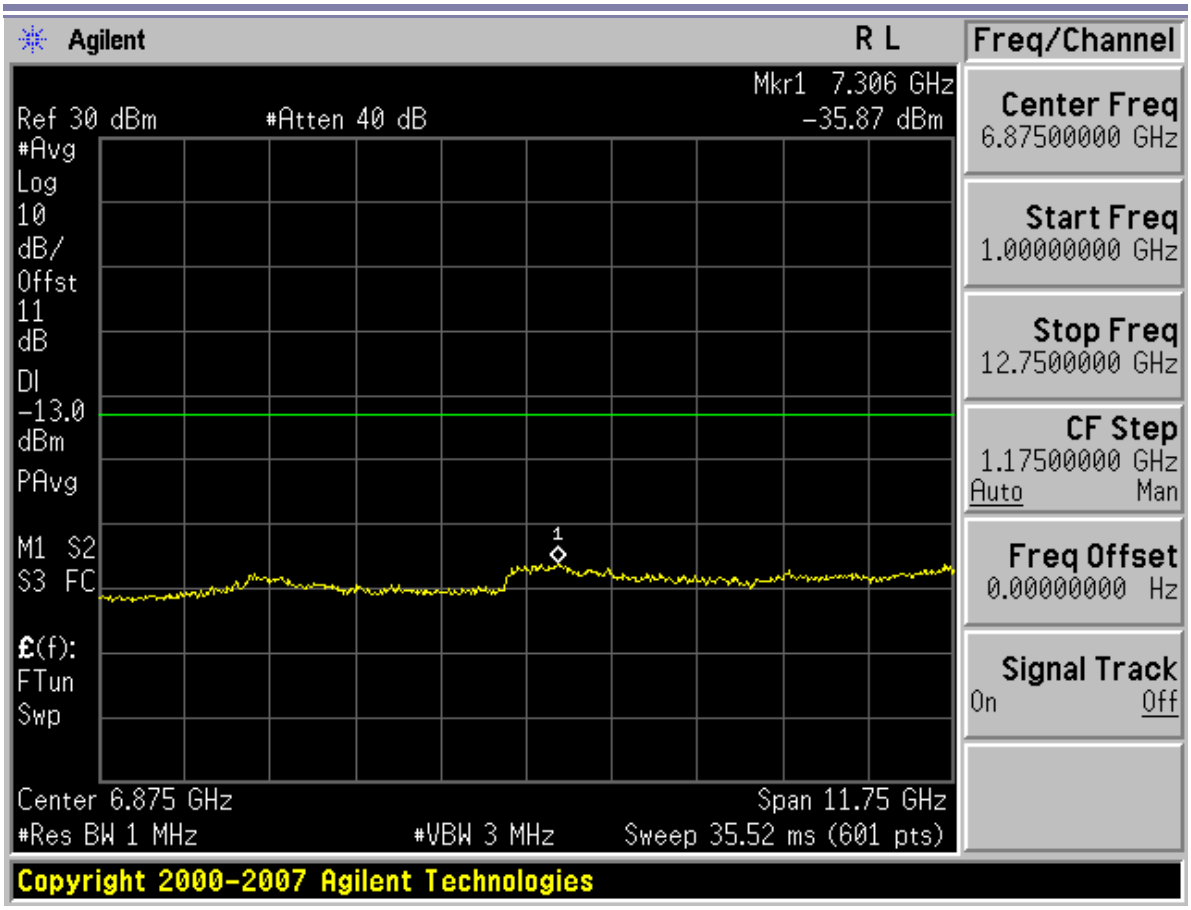

Agilent
R L
Freq/Channel
Mkr1 848.0 MHz
Ref 30 dBm
#Atten 40 dB
12.82 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 293.2 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

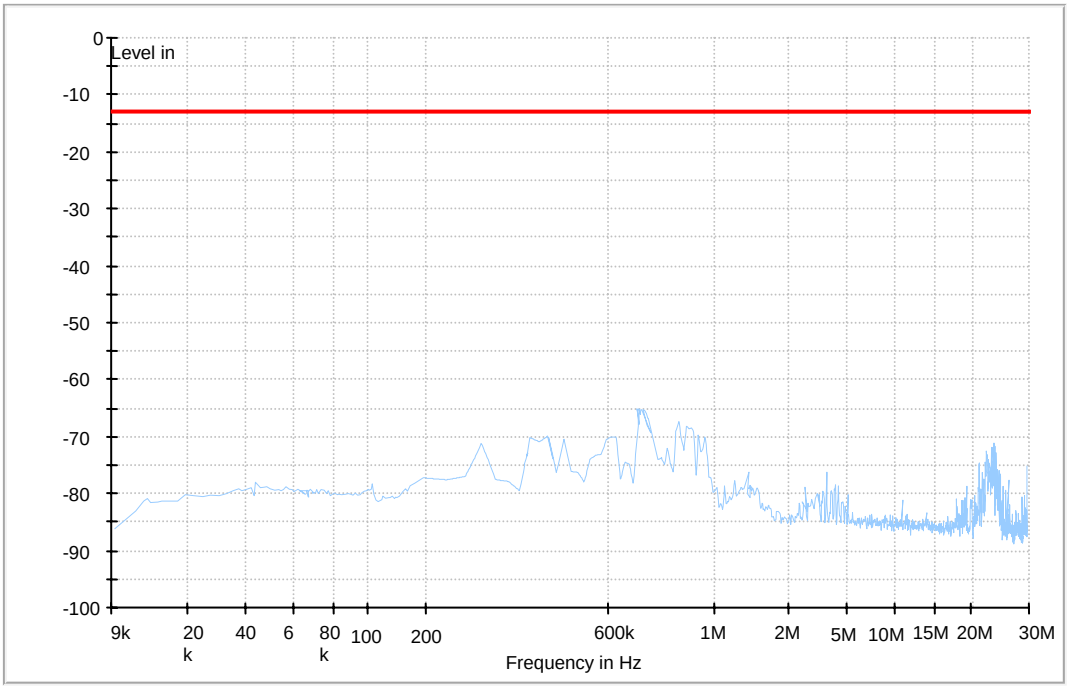

Agilent
R L
Freq/Channel
Mkr1 7.306 GHz
Ref 30 dBm
#Atten 40 dB
-35.87 dBm
#Avg
Log
10
dB/
Offst
11
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
6.87500000 GHz
Start Freq
1.00000000 GHz
Stop Freq
12.7500000 GHz
CF Step
1.17500000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 6.875 GHz
Span 11.75 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 35.52 ms (601 pts)
Copyright 2000-2007 Agilent Technologies

Appendix E

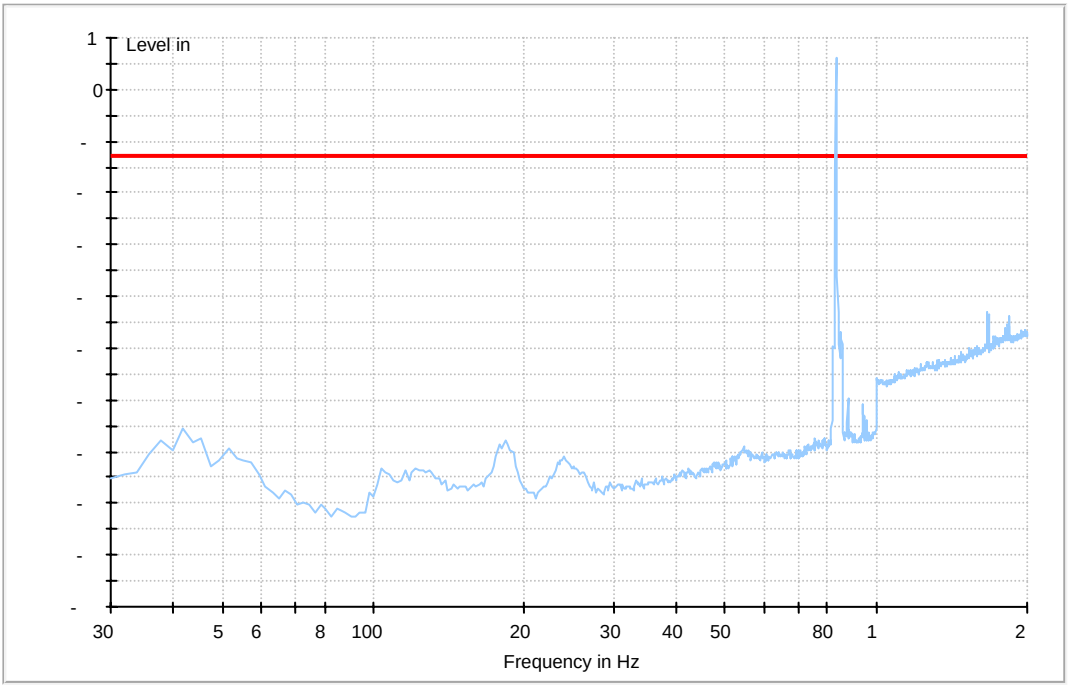
Radiated Spurious Emission

According to FCC Part 2.1053 & 22.917

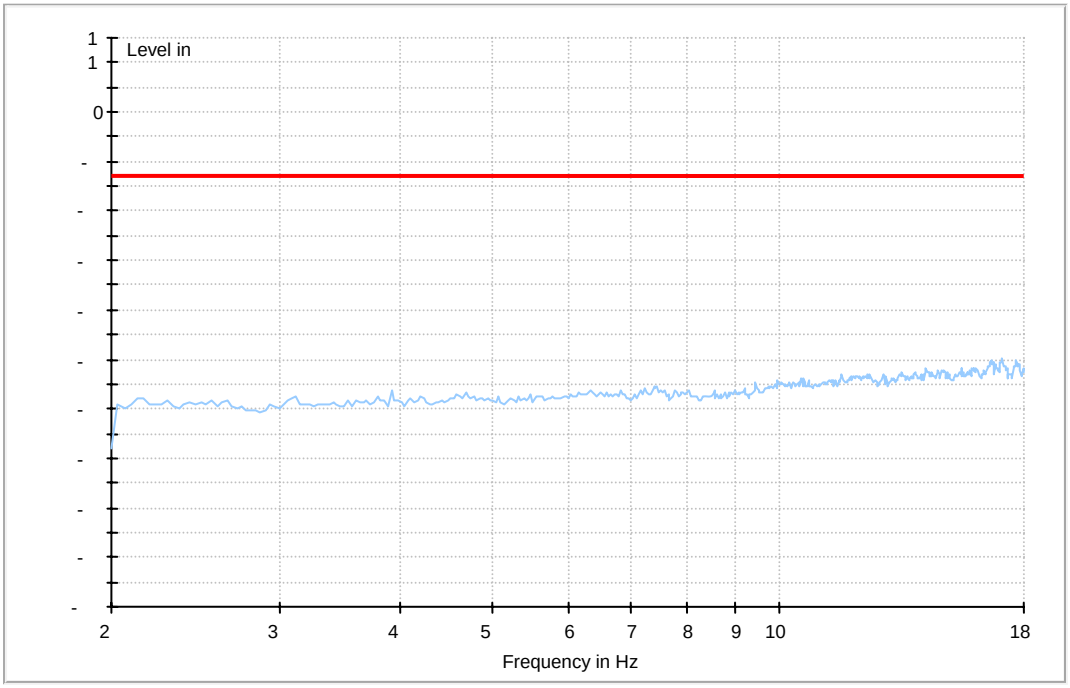
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-2GHz)



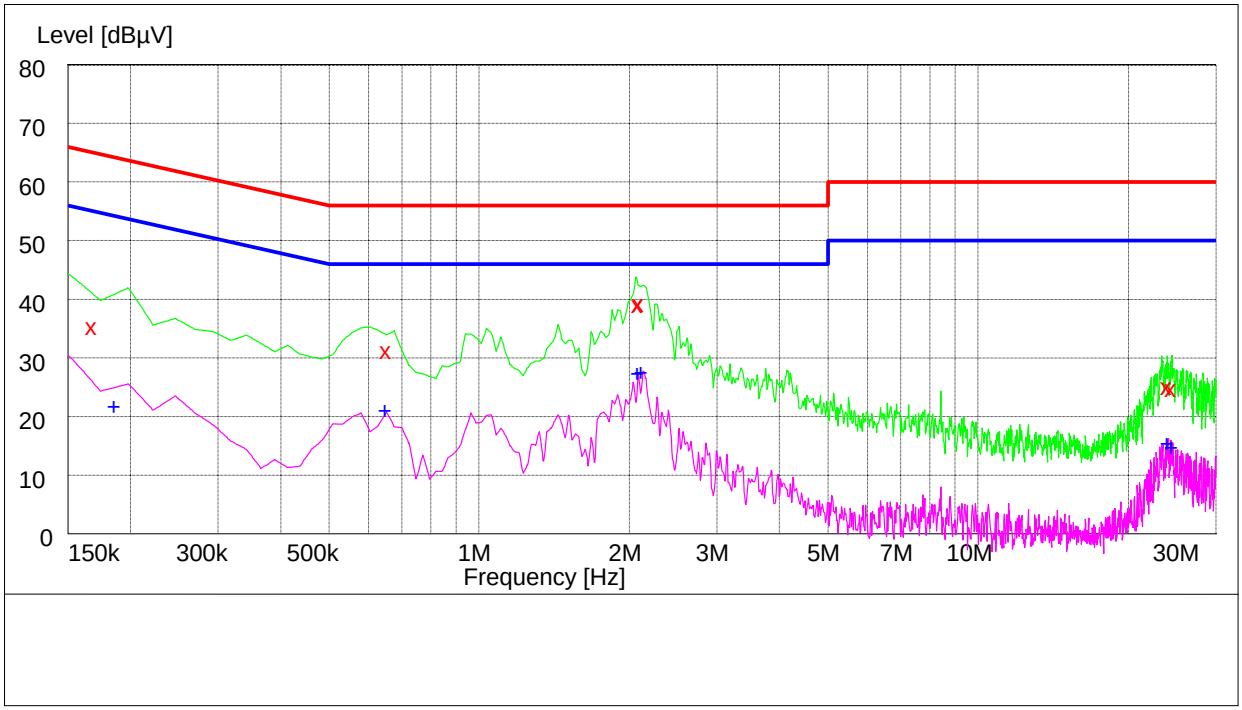
Traffic Mode (2GHz-18GHz)



Appendix F

Conducted Emission at Power Port

According to FCC Part 15.107



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.600000	35.30	10.1	56	20.7	N	FLO
2.004000	41.20	10.1	56	14.8	N	FLO
2.089500	40.20	10.1	56	15.8	N	FLO
2.107500	39.70	10.1	56	16.3	N	FLO
23.761500	30.30	10.4	60	29.7	N	FLO
24.666000	31.40	10.4	60	28.6	N	FLO

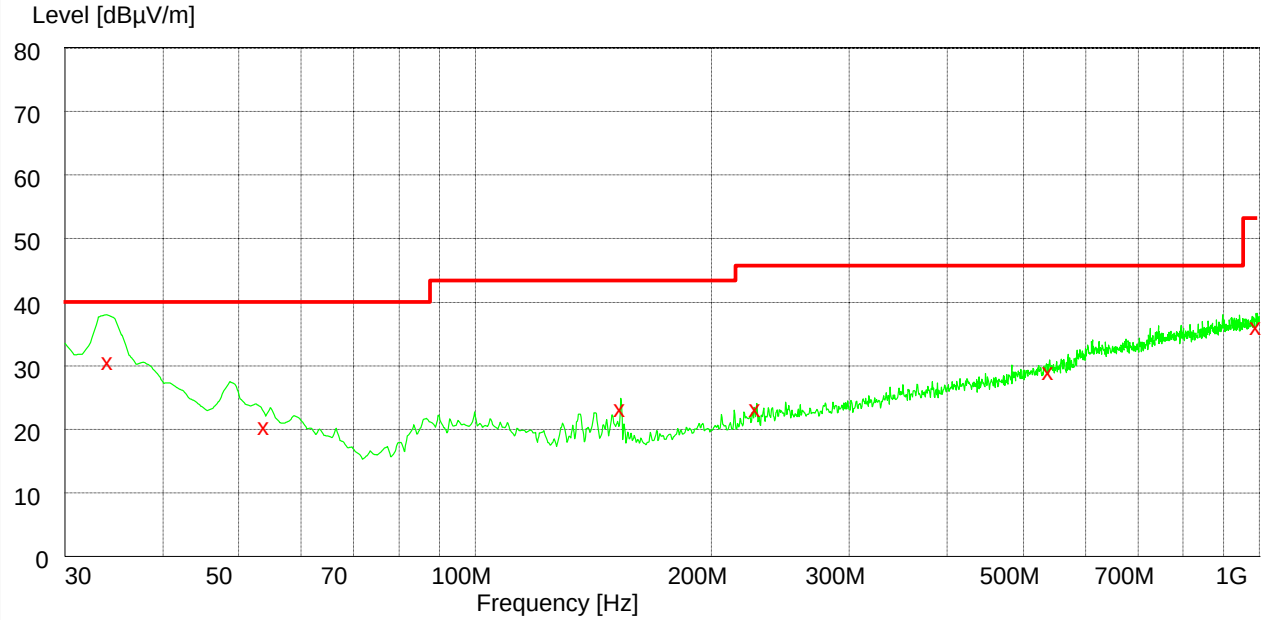
MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.186000	22.20	10.1	54	31.8	N	FLO
0.649500	21.70	10.1	46	24.3	N	FLO
2.085000	28.10	10.1	46	17.9	N	FLO
2.121000	28.20	10.1	46	17.8	N	FLO
24.058500	16.10	10.4	50	33.9	N	FLO
24.481500	15.50	10.4	50	34.5	N	FLO

Appendix G

Radiated Emission of Enclosure in Idle Mode

According to FCC Part 15.109



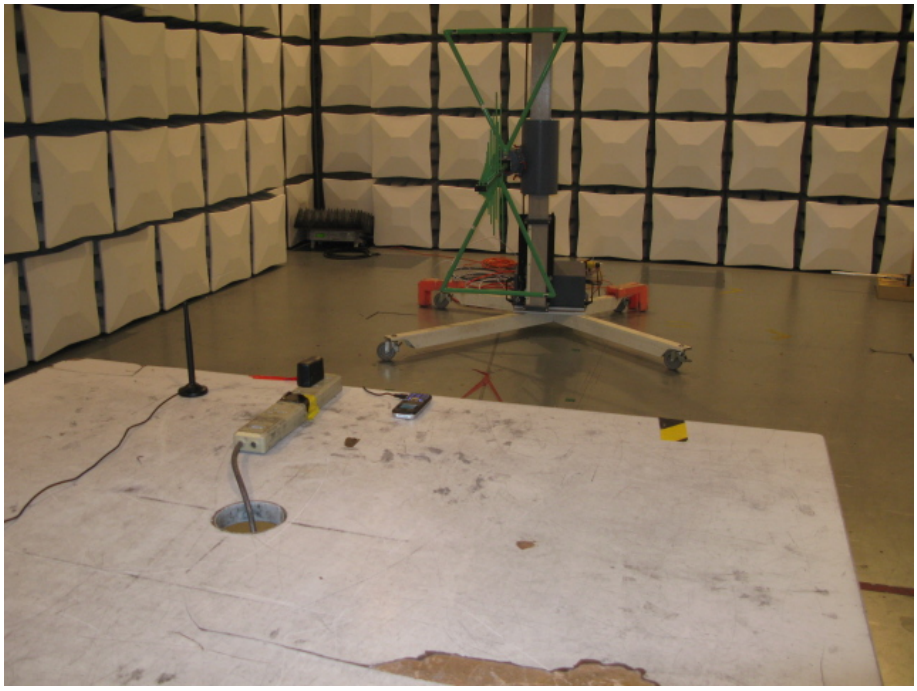
MEASUREMENT RESULT: QP DECTER

Frequency （MHz）	Level （dBµV/m）	Transd （dB）	Limit （dBµV/m）	Margin （dB）	Height （cm）	Azimuth （deg）	Polarisation
34.140000	31.20	11.7	40.0	8.8	100.0	334.00	VERTICAL
54.060000	21.00	12.7	40.0	19.0	148.0	307.00	VERTICAL
153.600000	23.90	9.2	43.5	19.6	200.0	305.00	HORIZONTAL
228.780000	23.90	13.4	46.0	22.1	141.0	133.00	HORIZONTAL
540.600000	29.60	20.9	46.0	16.4	300.0	350.00	HORIZONTAL
994.260000	36.70	27.1	54.0	17.3	300.0	346.00	HORIZONTAL

Appendix H

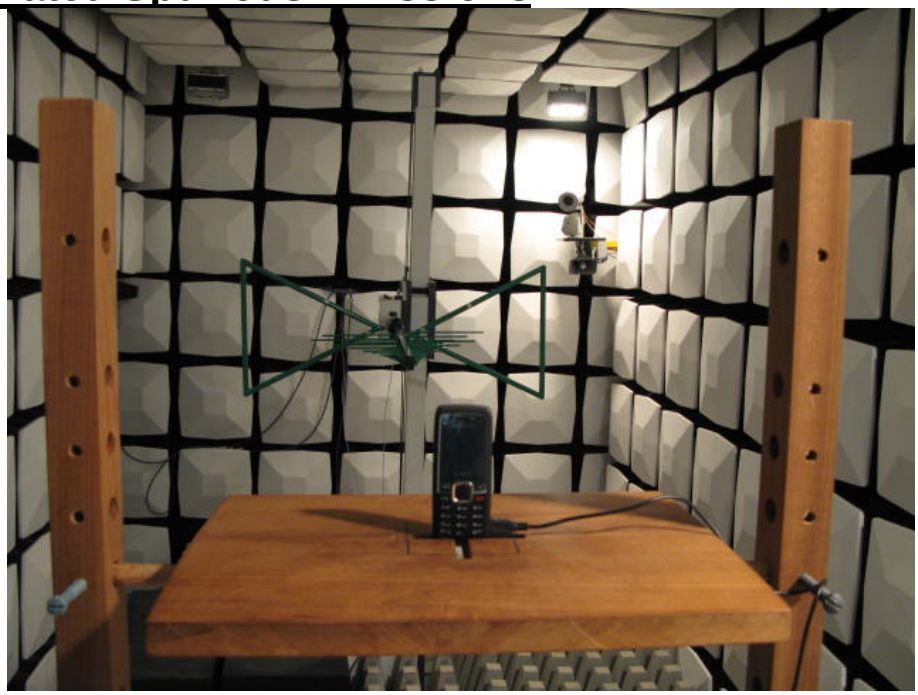
Photos of Test Setup

1 1. Radiated Emissions



Radiated Disturbance

2. Radiated Spurious Emissions



Radiated Spurious Emission (below 2GHz)

Radiated Spurious Emission (2GHz to18GHz)

3. Conducted Emissions

Conducted Emissions for AC Ports