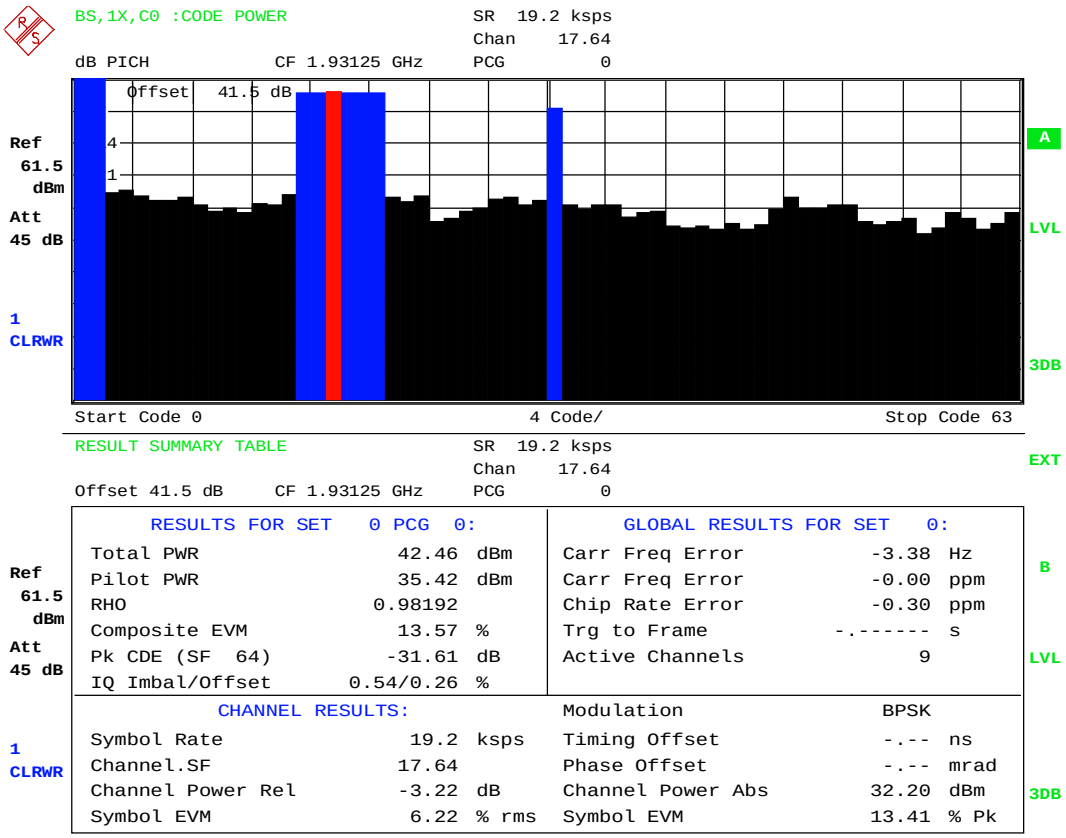
Appendix A

Modulation Characteristic Measurement

According to FCC part 2.1047 and part 24 subpart E

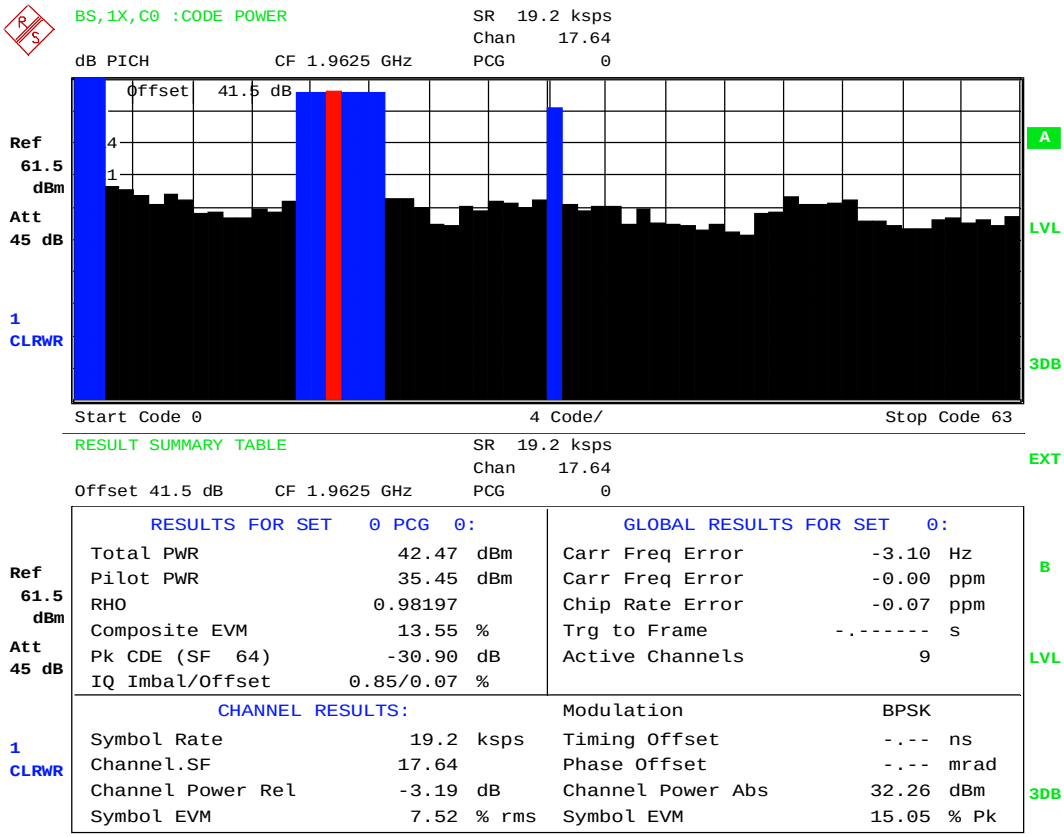
(1)RC1

B channel



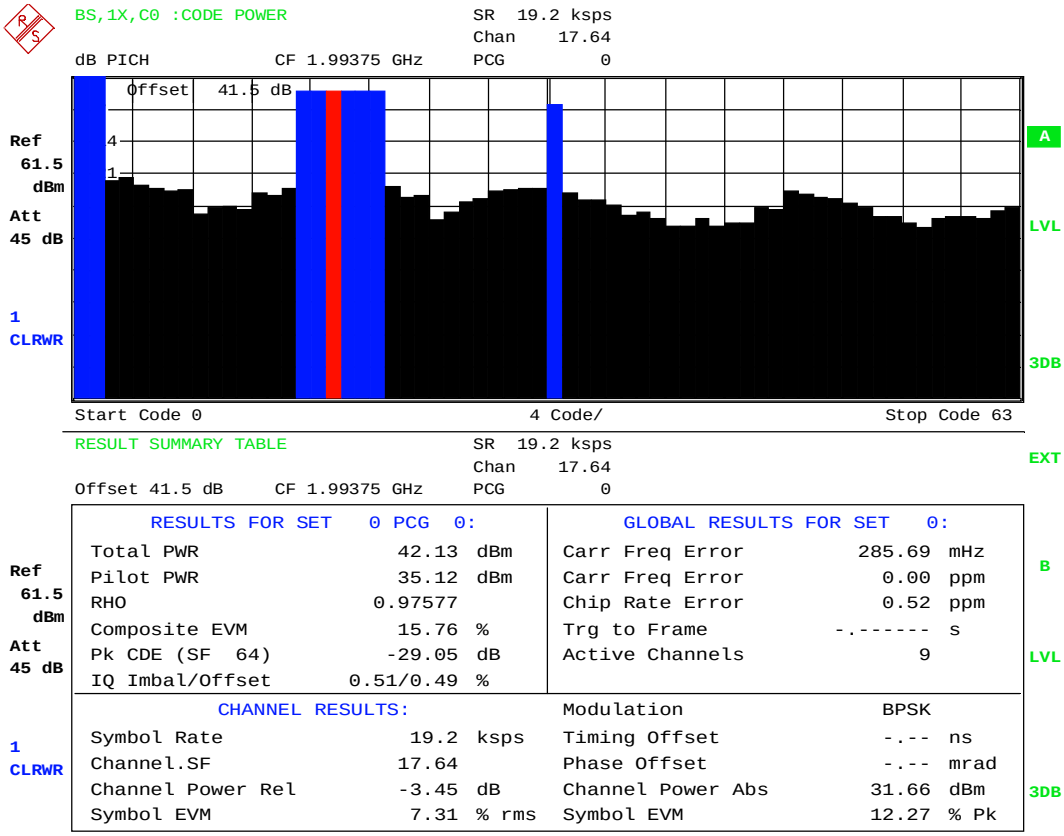
Date: 1.APR.2011 18:14:52

M channel



Date: 1.APR.2011 18:13:16

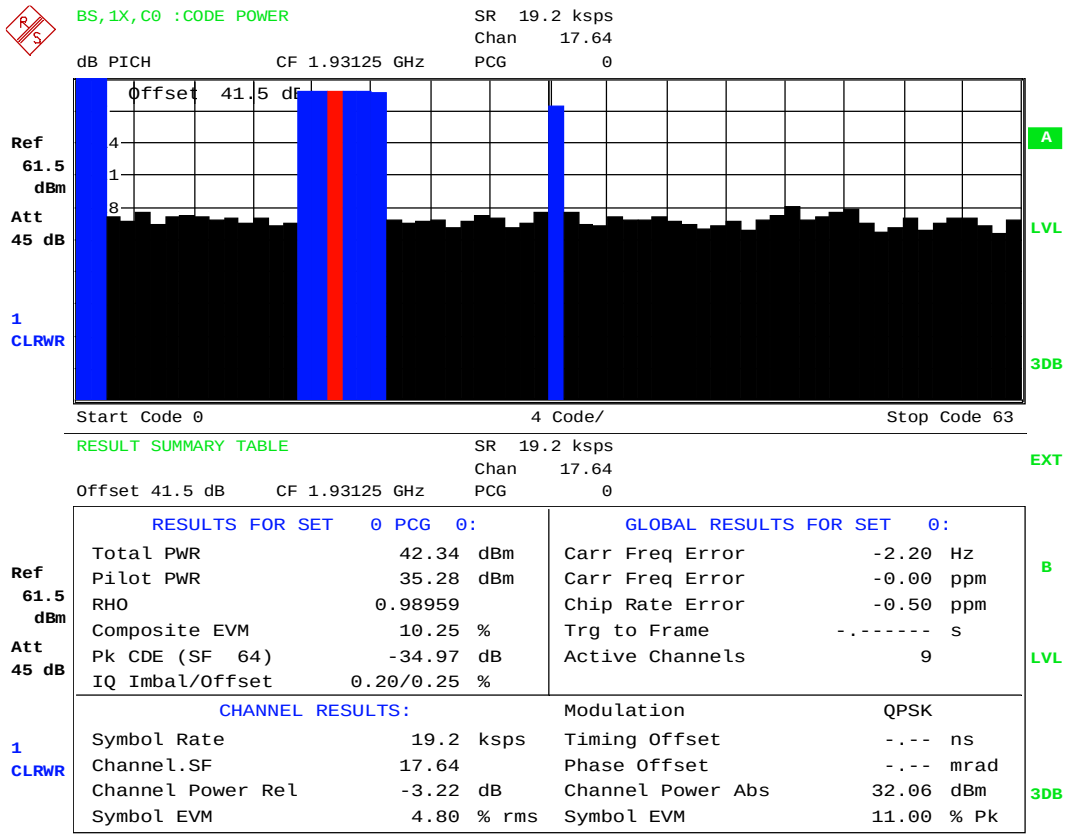
T channel



Date: 1.APR.2011 18:11:08

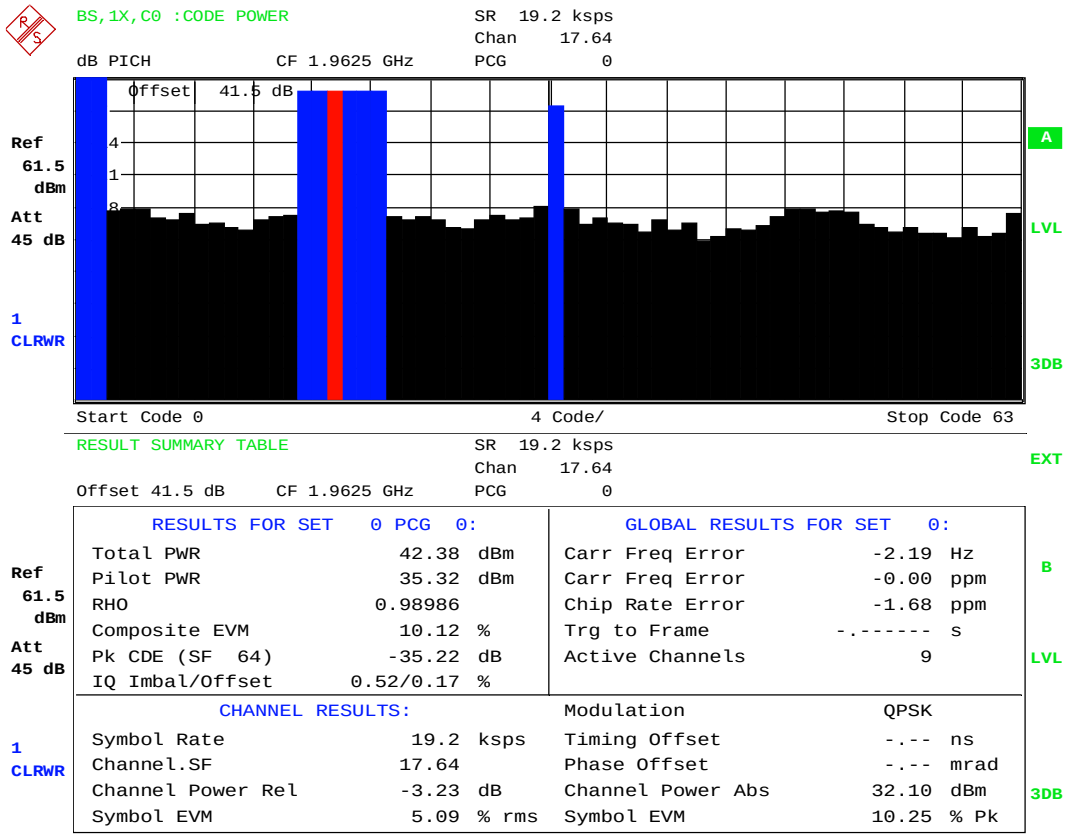
(2) RC3

B channel



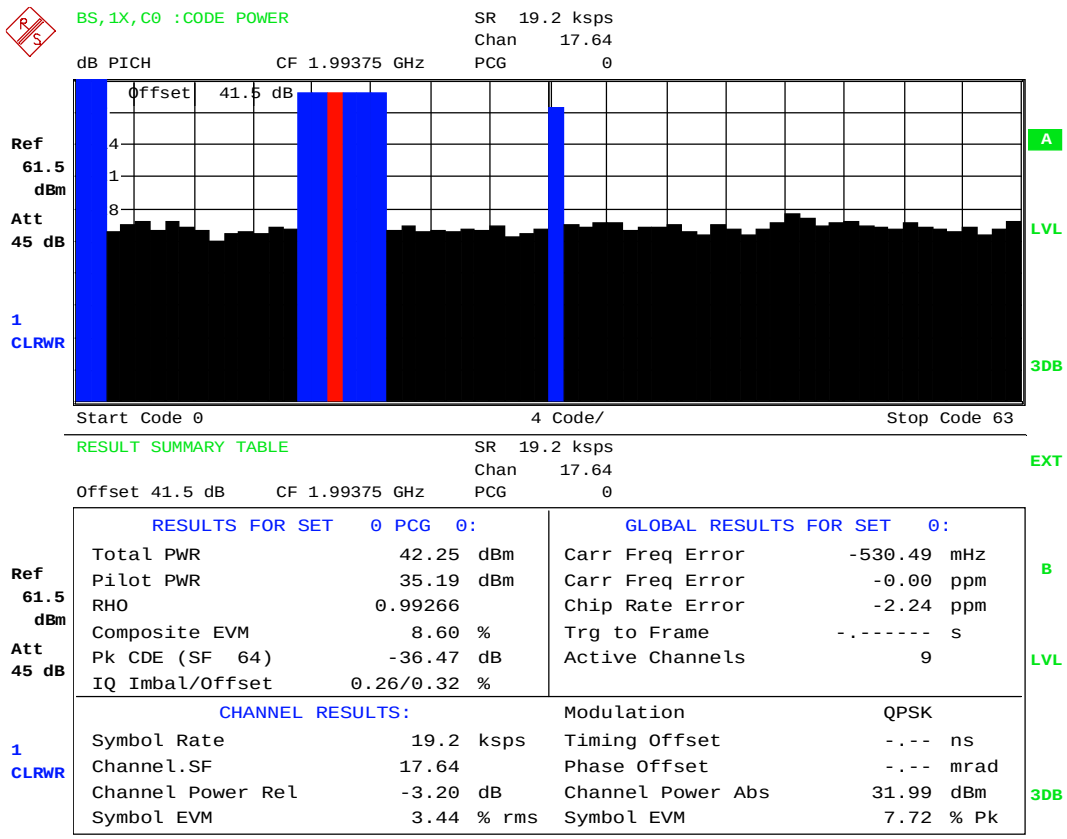
Date: 1.APR.2011 18:01:43

M channel



Date: 1.APR.2011 18:06:09

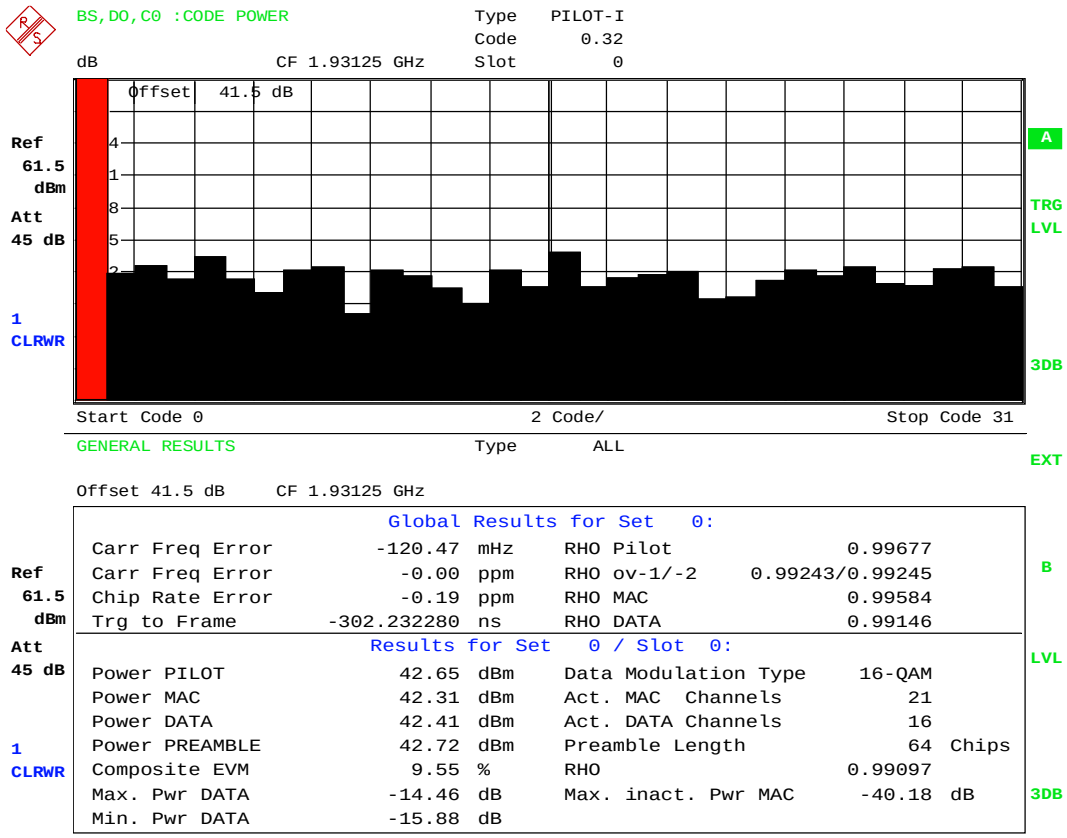
T channel



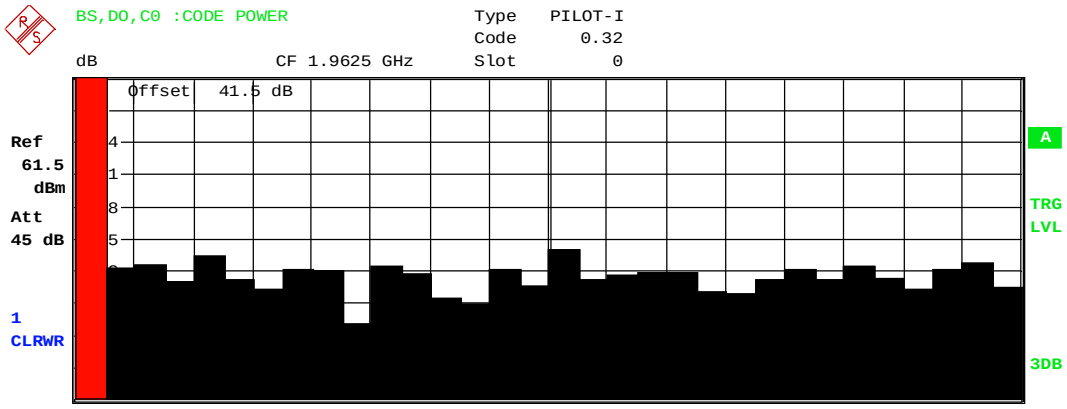
Date: 1.APR.2011 18:07:43

(3) EVDO

B channel



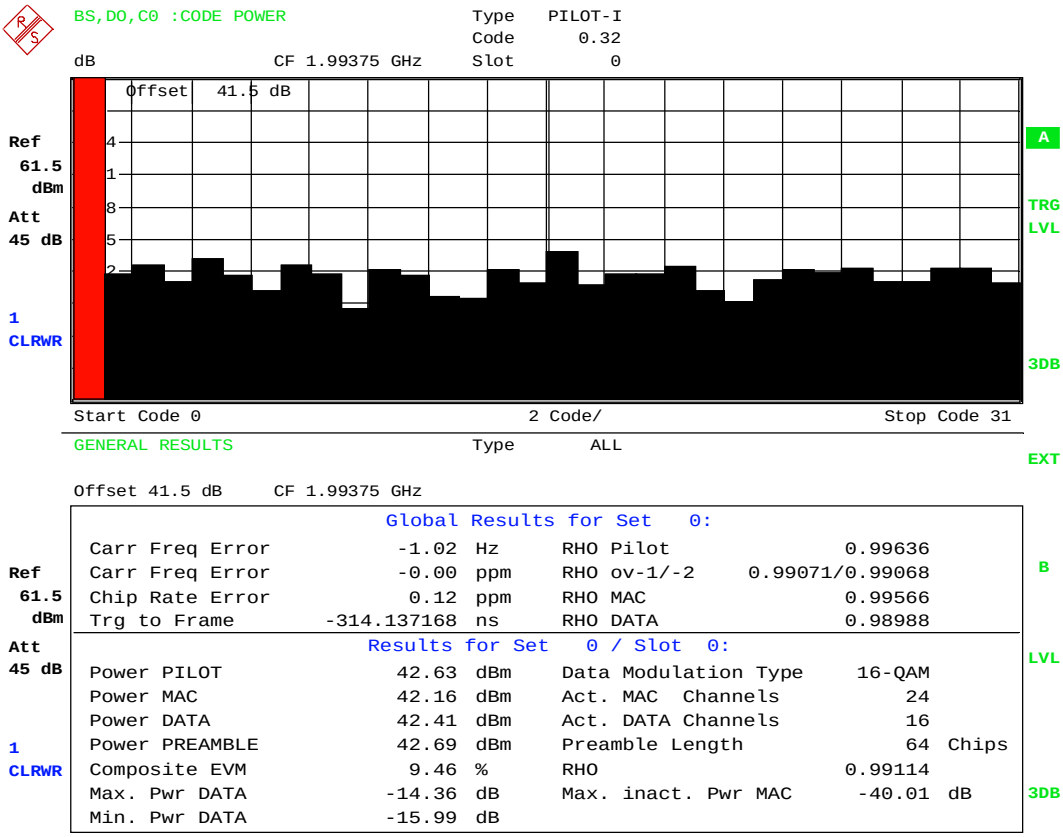
M channel



Global Results for Set 0:					
Carr Freq Error	198.12	mHz	RHO Pilot	0.99655	
Carr Freq Error	0.00	ppm	RHO ov-1/-2	0.99123/0.99114	
Chip Rate Error	-0.49	ppm	RHO MAC	0.99452	
Trg to Frame	-338.556504	ns	RHO DATA	0.99022	
Results for Set 0 / Slot 0:					
Power PILOT	42.74	dBm	Data Modulation Type	16-QAM	
Power MAC	41.83	dBm	Act. MAC Channels	50	
Power DATA	42.60	dBm	Act. DATA Channels	16	
Power PREAMBLE	42.64	dBm	Preamble Length	64	Chips
Composite EVM	9.98	%	RHO	0.99013	
Max. Pwr DATA	-14.49	dB	Max. inact. Pwr MAC	-39.93	dB
Min. Pwr DATA	-15.76	dB			

Date: 1.APR.2011 18:33:59

T channel



Global Results for Set 0:

Carr Freq Error	-1.02	Hz	RHO Pilot	0.99636	
Carr Freq Error	-0.00	ppm	RHO ov-1/-2	0.99071/0.99068	
Chip Rate Error	0.12	ppm	RHO MAC	0.99566	
Trg to Frame	-314.137168	ns	RHO DATA	0.98988	

Results for Set 0 / Slot 0:

Power PILOT	42.63	dBm	Data Modulation Type	16-QAM	
Power MAC	42.16	dBm	Act. MAC Channels	24	
Power DATA	42.41	dBm	Act. DATA Channels	16	
Power PREAMBLE	42.69	dBm	Preamble Length	64	Chips
Composite EVM	9.46	%	RHO	0.99114	
Max. Pwr DATA	-14.36	dB	Max. inact. Pwr MAC	-40.01	dB
Min. Pwr DATA	-15.99	dB			

Date: 1.APR.2011 18:36:04

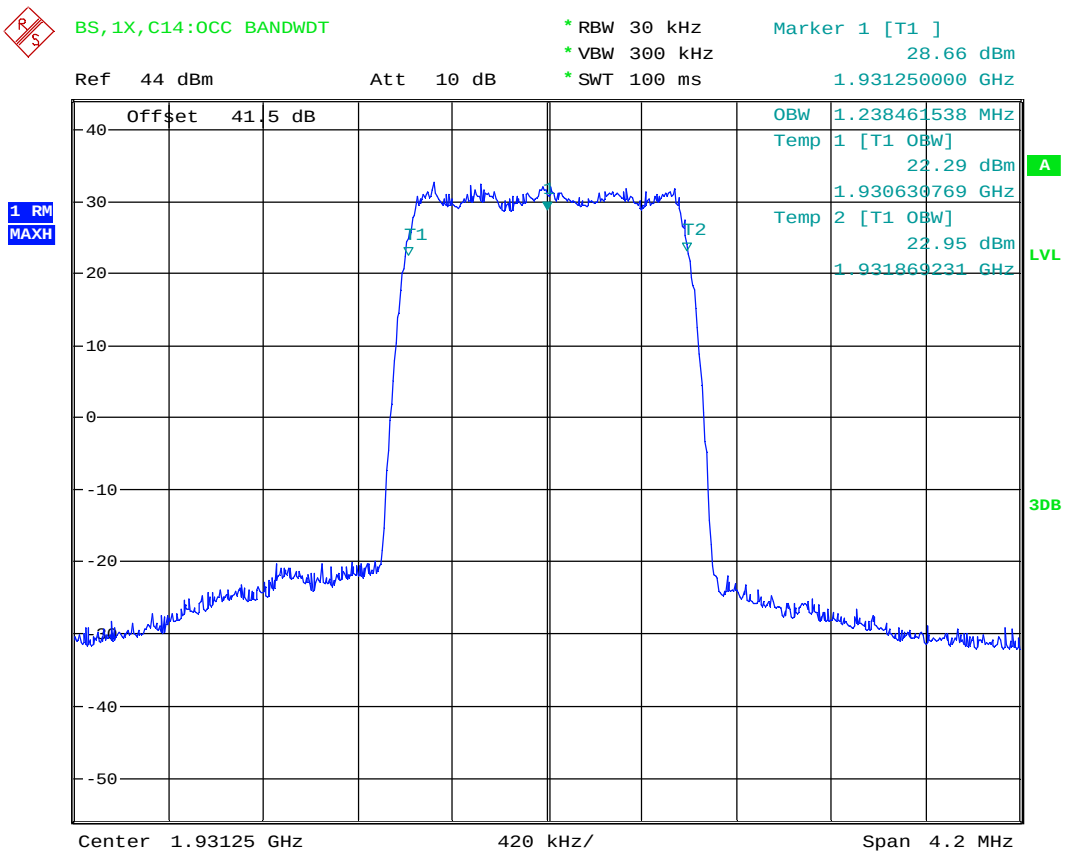
Appendix B

Occupied Bandwidth Measurement

According to FCC part 2.1049 and part 24 subpart E

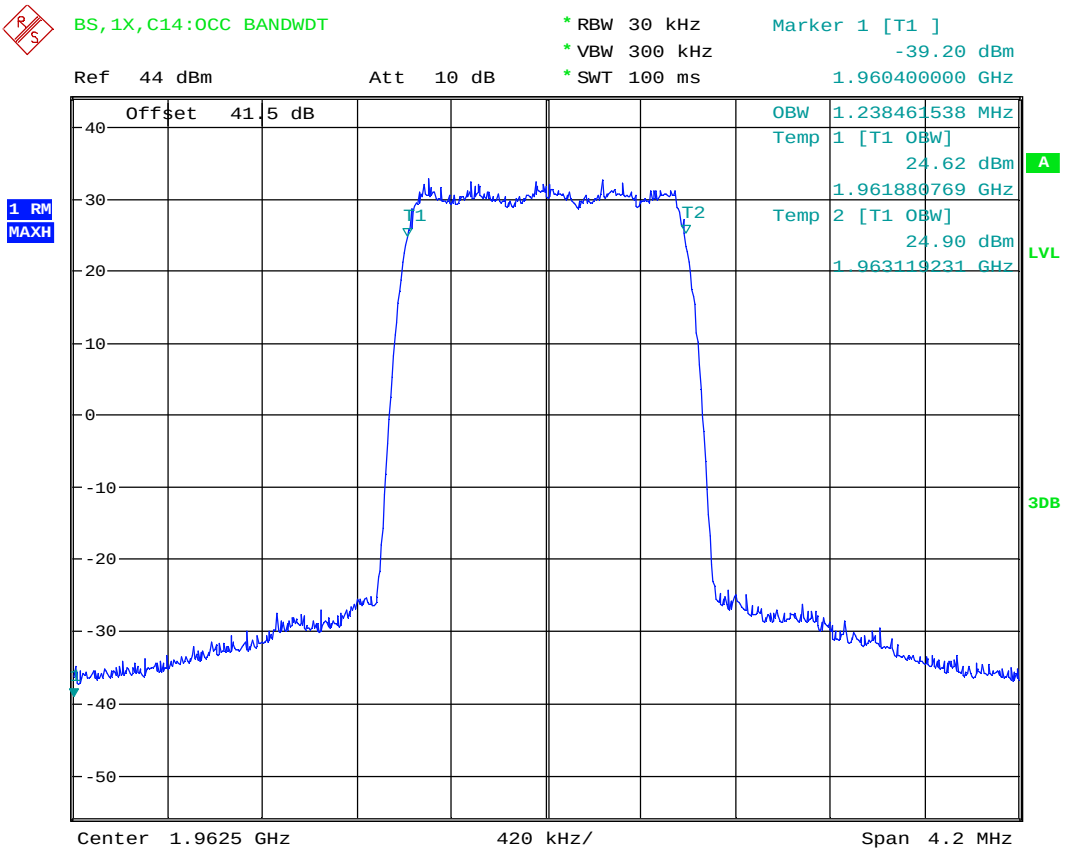
(1) 1X

B channel



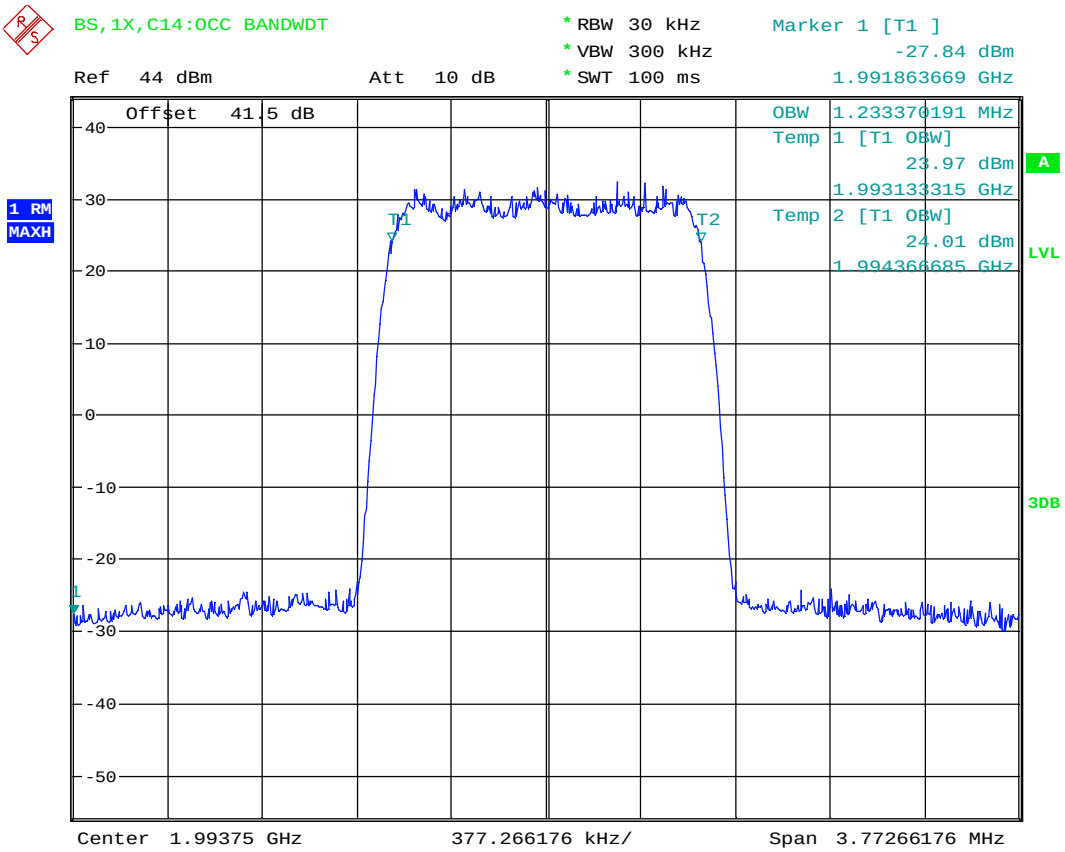
Date: 6.APR.2011 21:27:32

M channel



Date: 6.APR.2011 21:29:43

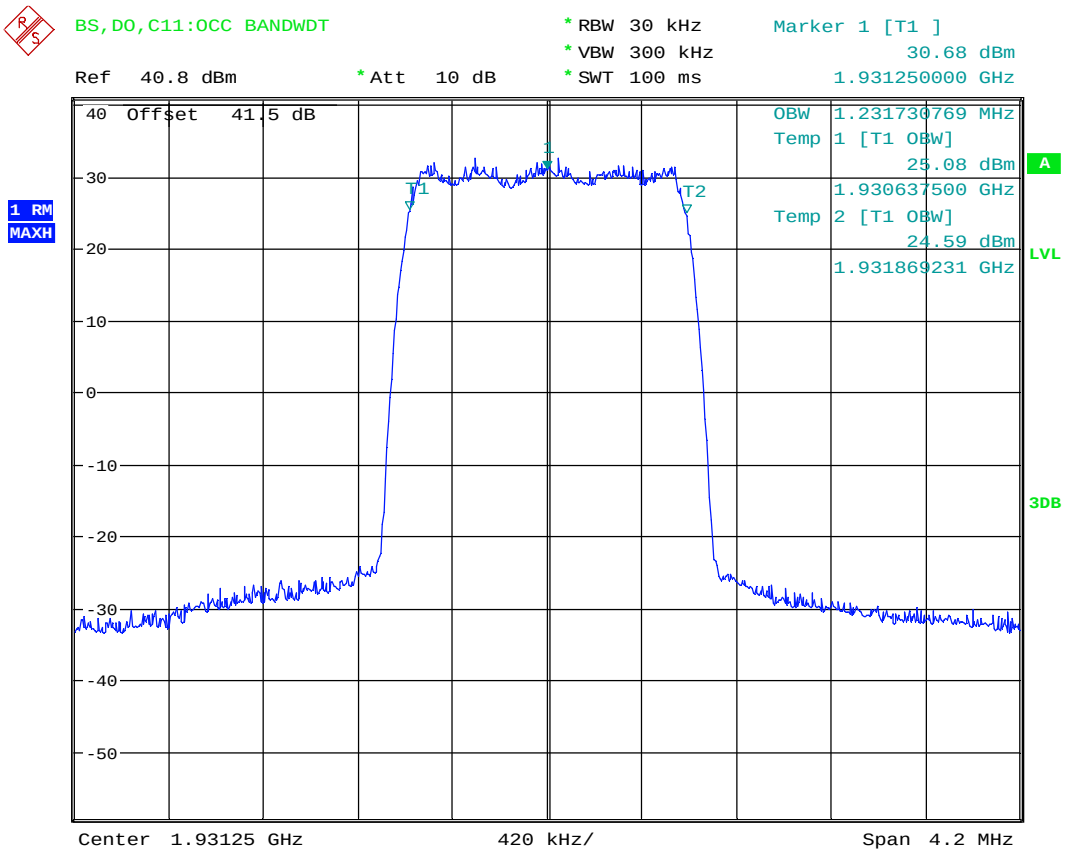
T channel



Date: 6.APR.2011 21:33:09

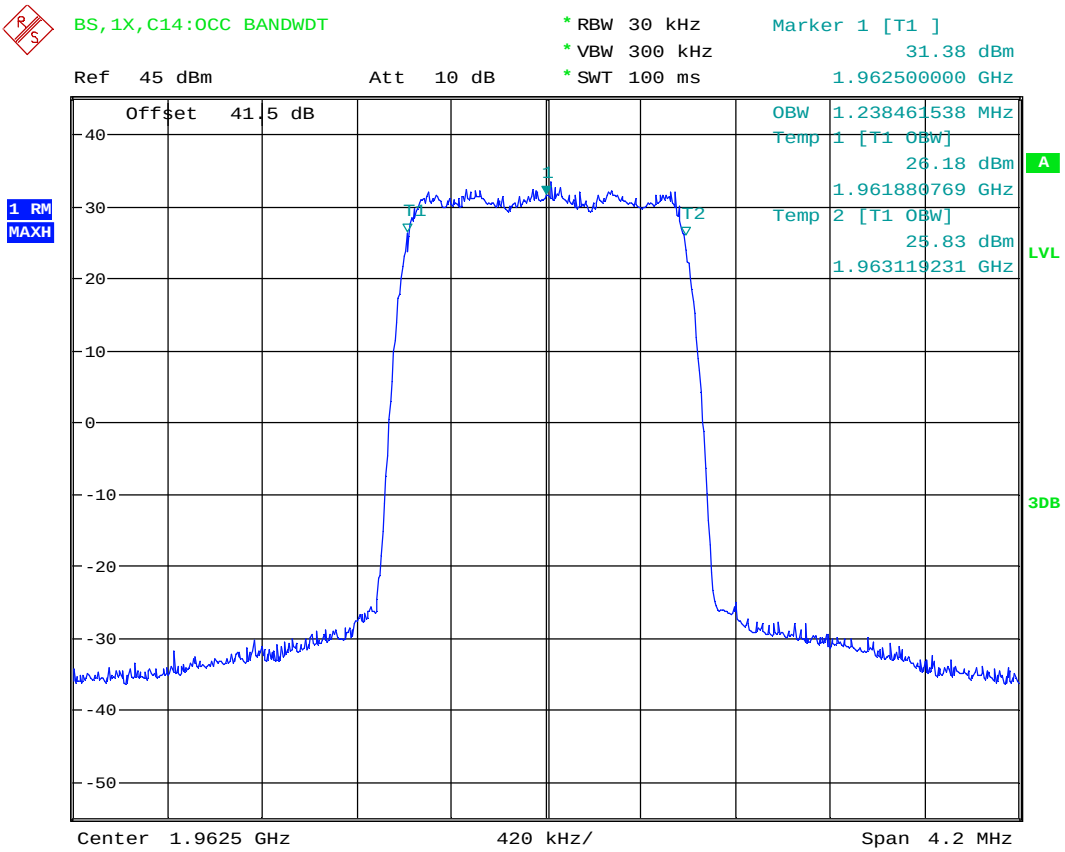
(2) EVDO

B channel



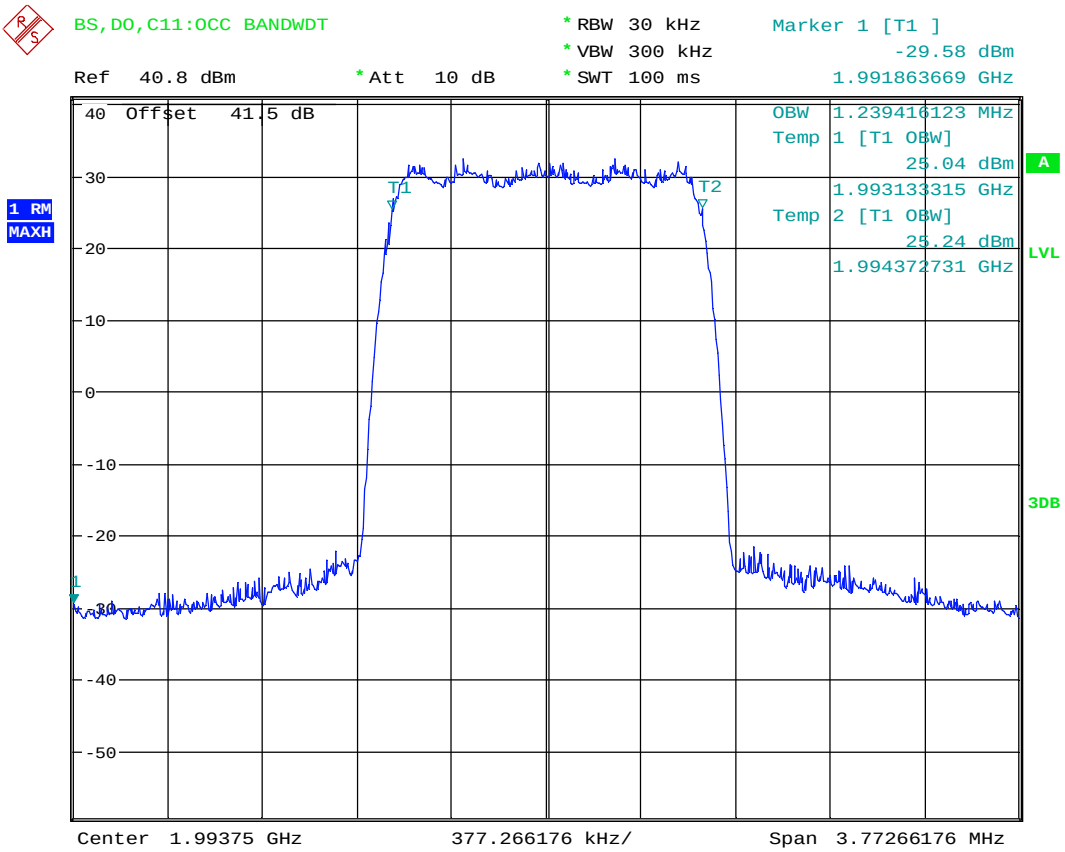
Date: 6.APR.2011 20:29:36

M channel



Date: 6.APR.2011 22:10:10

T channel



Date: 6.APR.2011 20:32:30

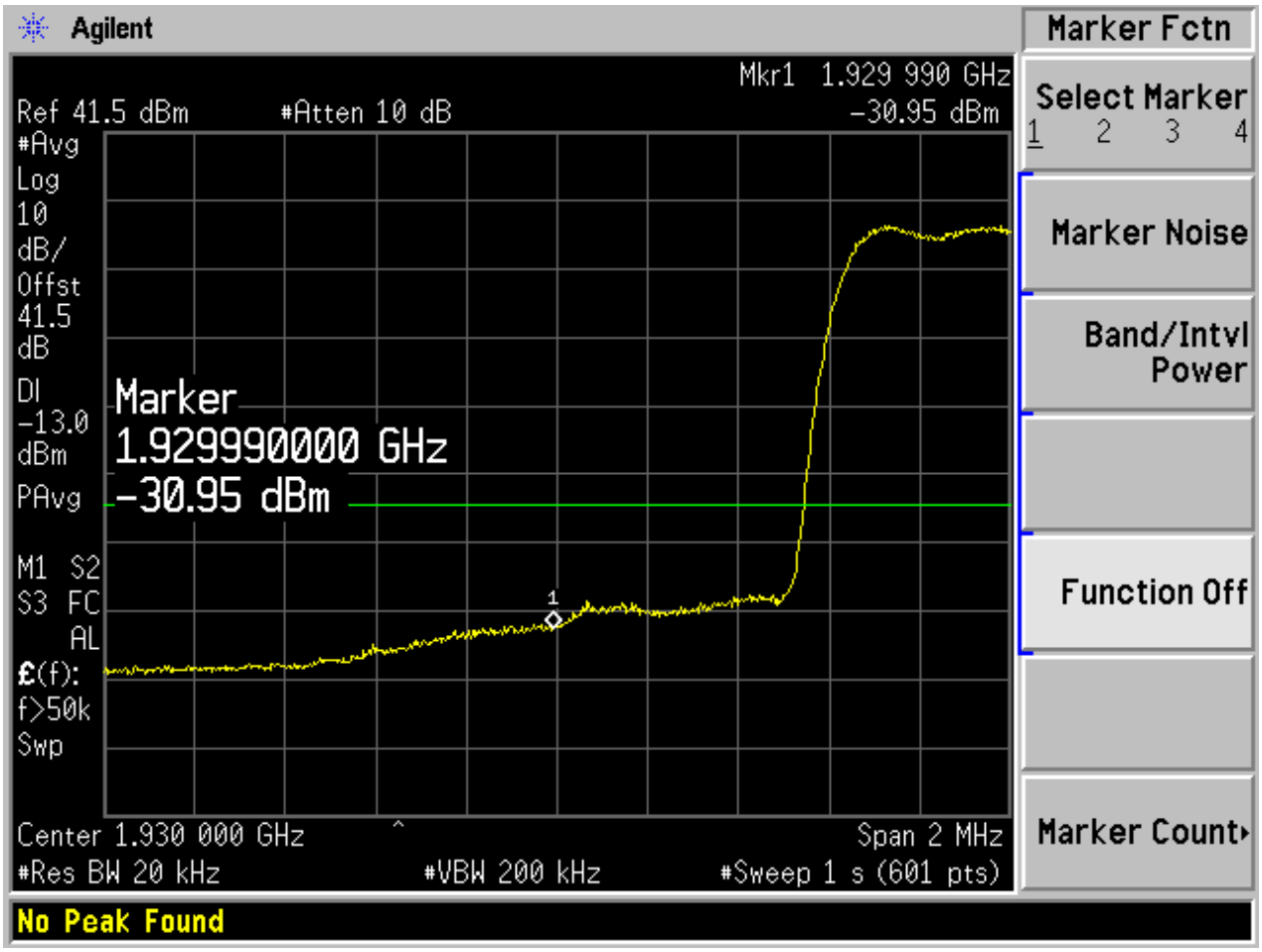
Appendix C

Band Edge Measurement

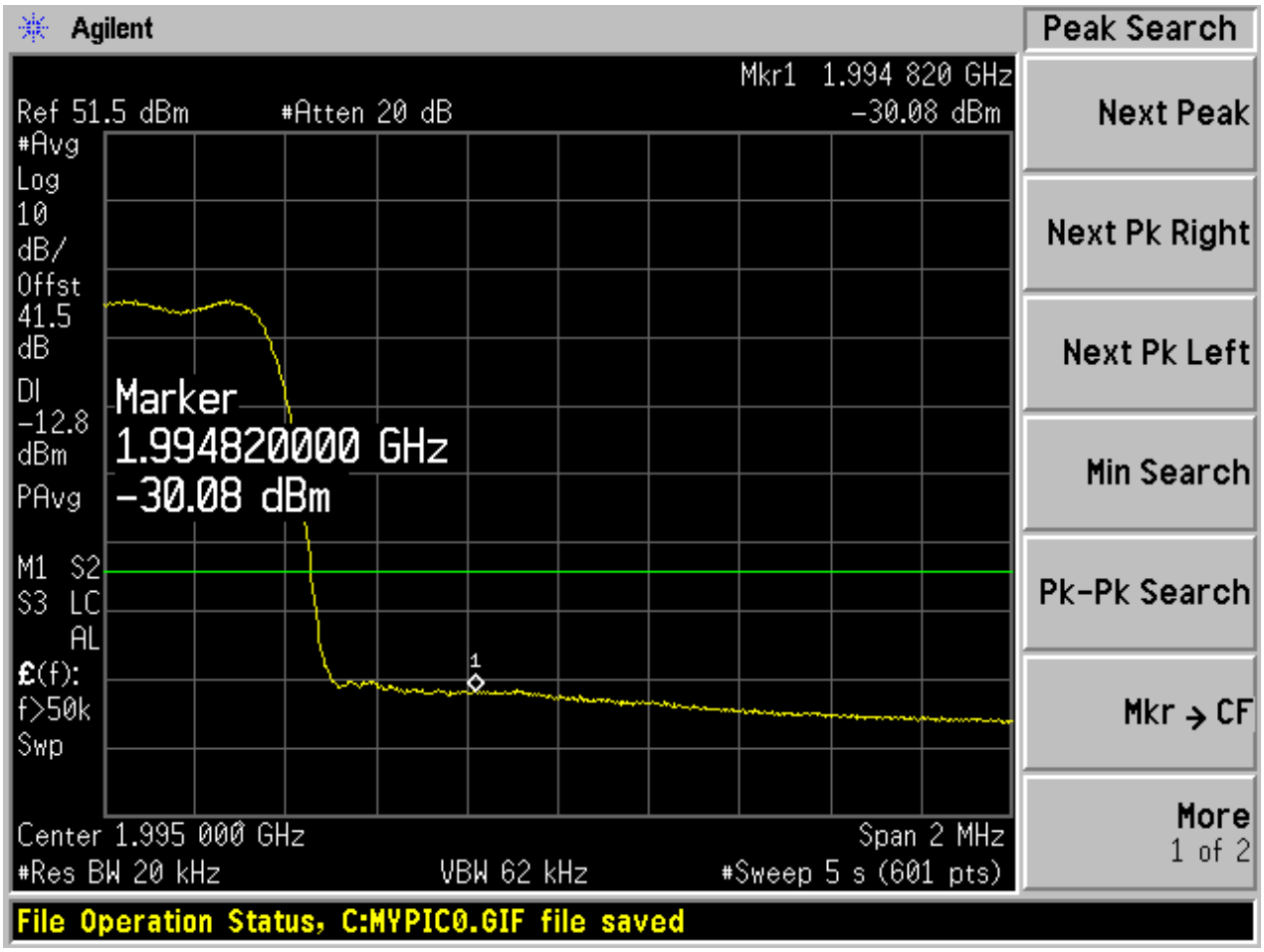
According to FCC part 2.1051 and part 24.238

(1) 1X One Carrier

B channel

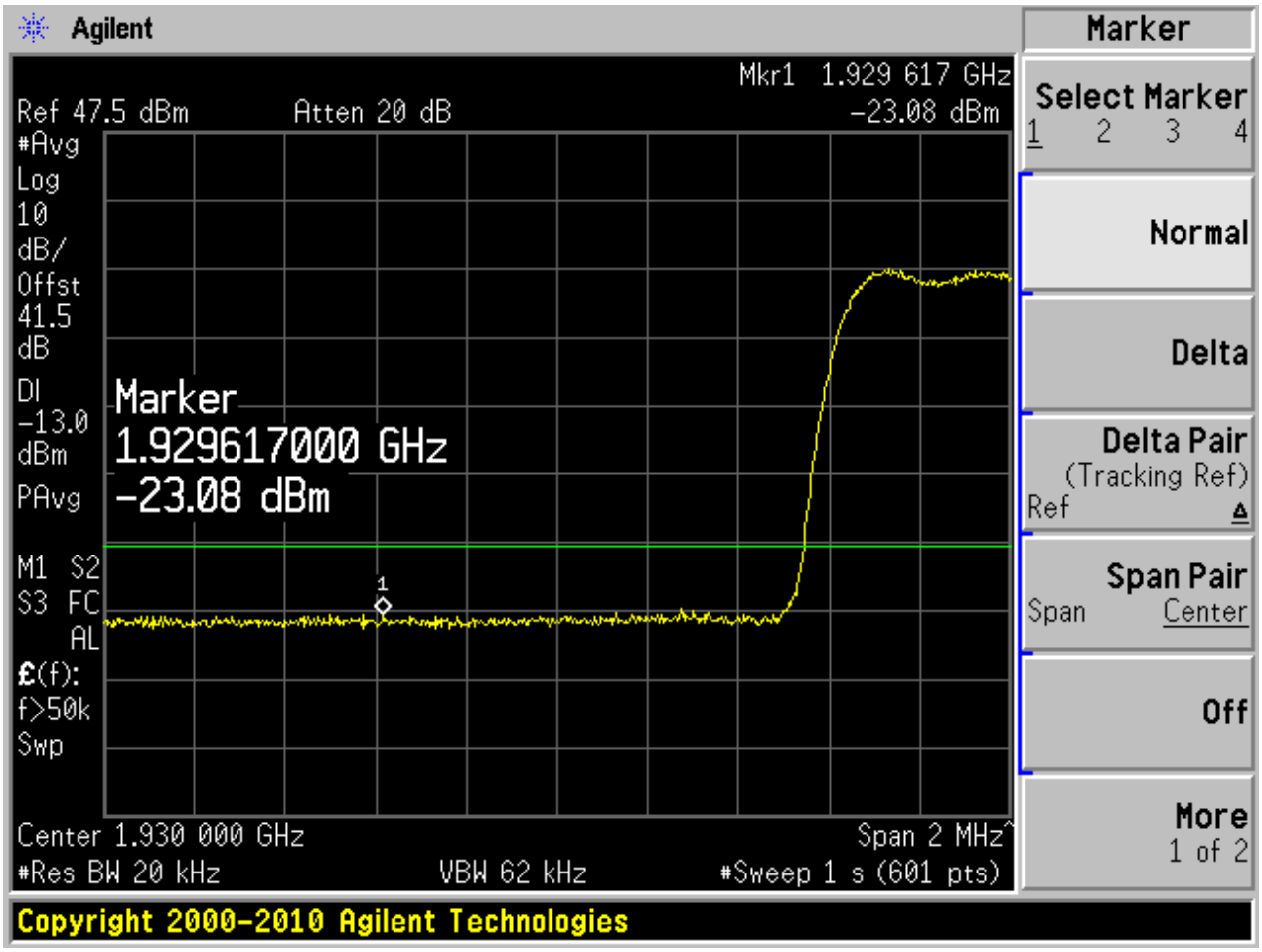


T channel

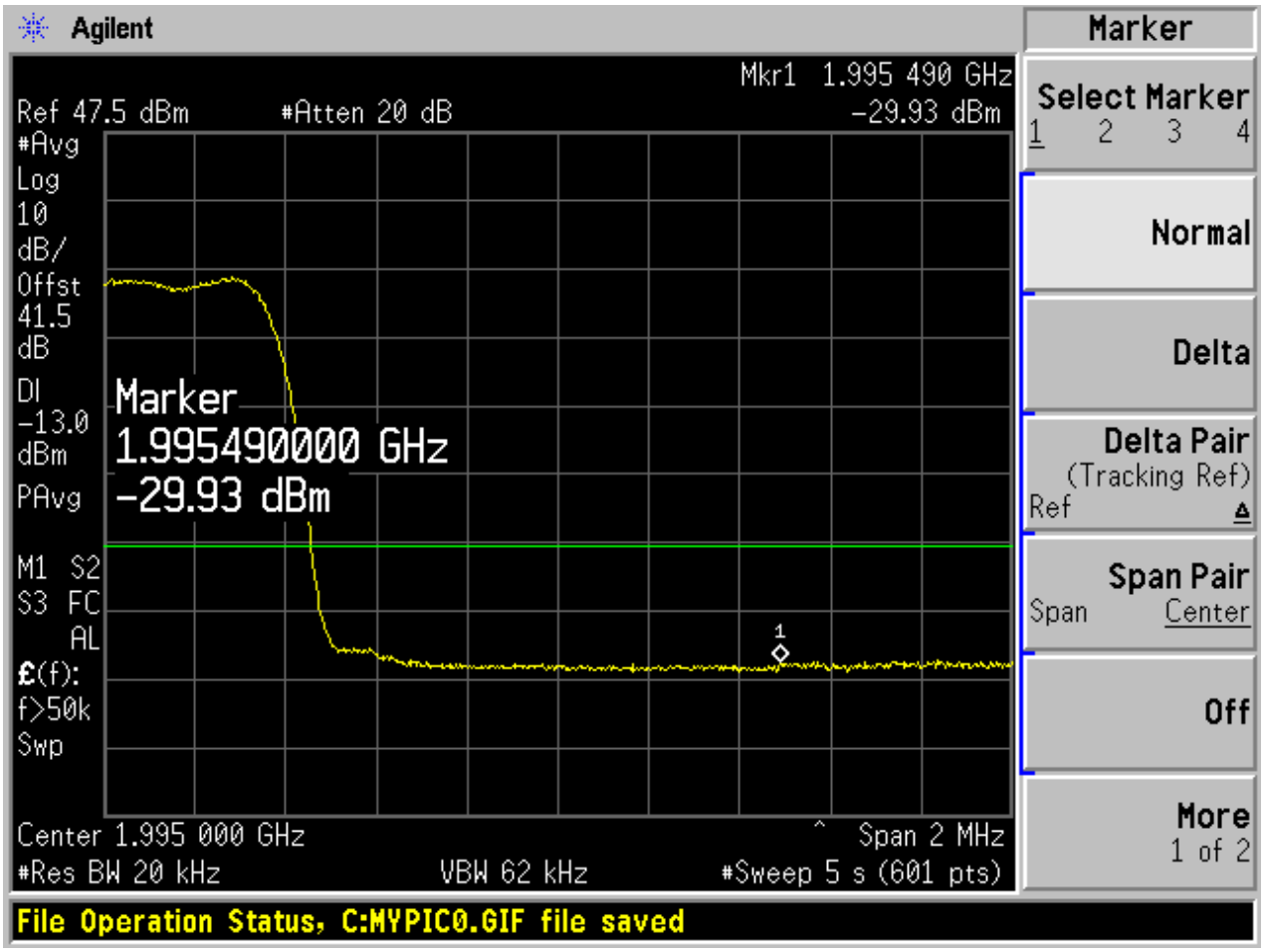

Agilent
Peak Search
Mkr1 1.994 820 GHz
Ref 51.5 dBm
#Atten 20 dB
-30.08 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
Dl
-12.8
dBm
PAvg
Marker
1.994820000 GHz
-30.08 dBm
M1 S2
S3 LC
AL
£(f):
f>50k
Swp
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Center 1.995 000 GHz
Span 2 MHz
#Res BW 20 kHz
VBW 62 kHz
#Sweep 5 s (601 pts)
File Operation Status, C:MYPIC0.GIF file saved

(2) 1X Four Carriers

B channel

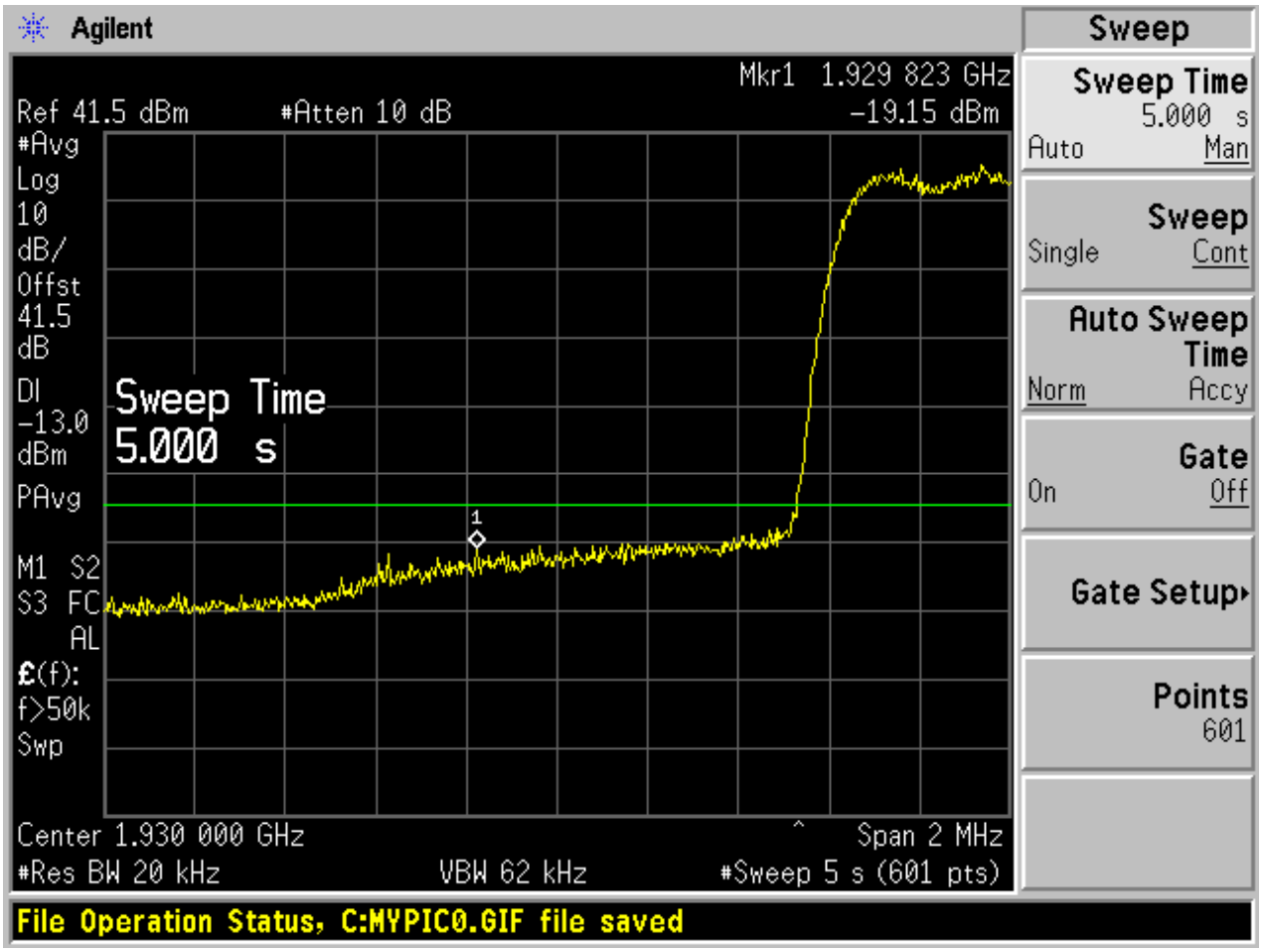


T channel

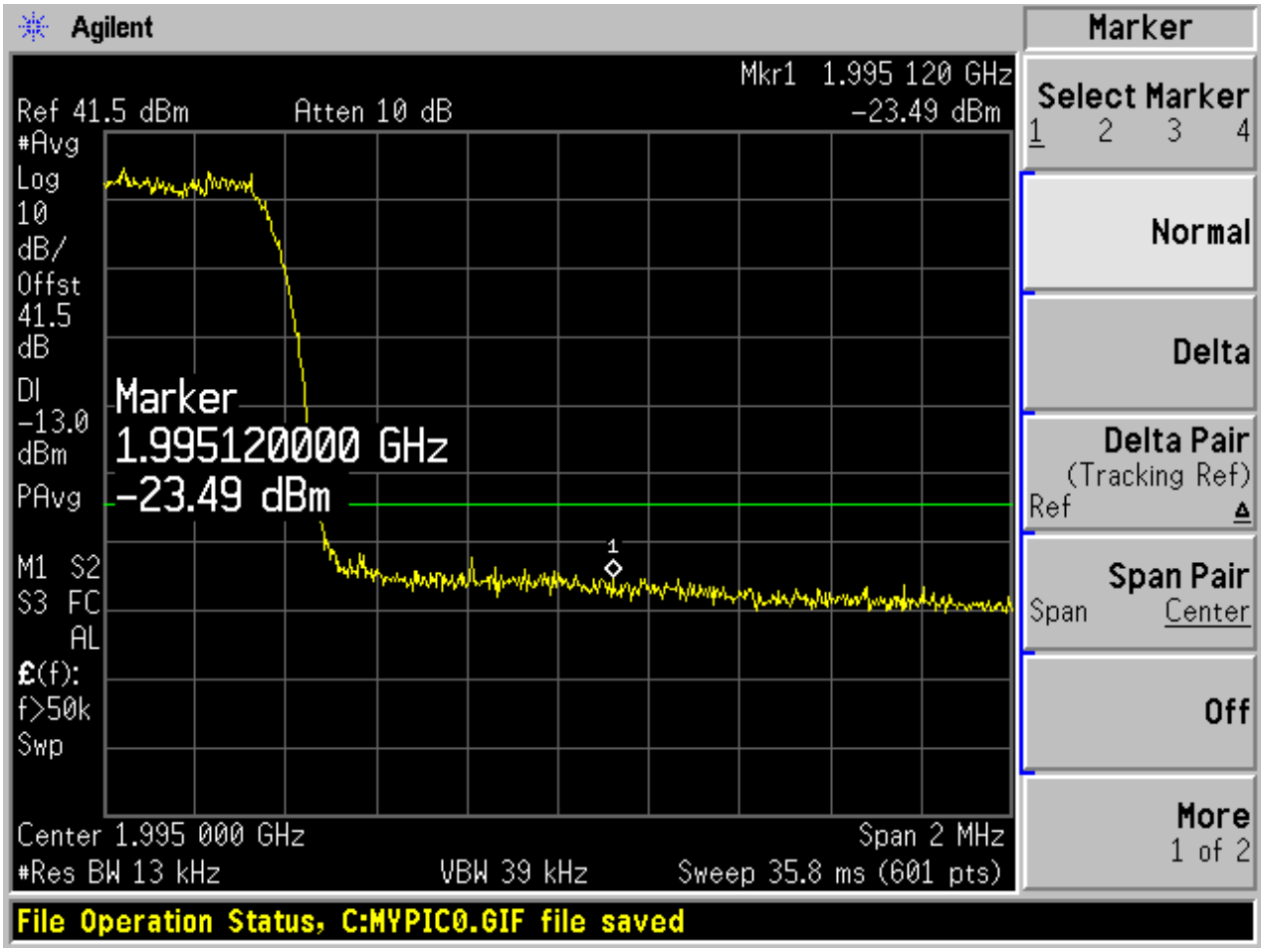

Agilent
Marker
Mkr1 1.995 490 GHz
Ref 47.5 dBm
#Atten 20 dB
-29.93 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
Dl
-13.0
dBm
PAvg
Marker
1.995490000 GHz
-29.93 dBm
M1 S2
S3 FC
AL
£(f):
f>50k
Swp
Center 1.995 000 GHz
Span 2 MHz
#Res BW 20 kHz
VBW 62 kHz
#Sweep 5 s (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

(3) EVDO One Carrier

B channel

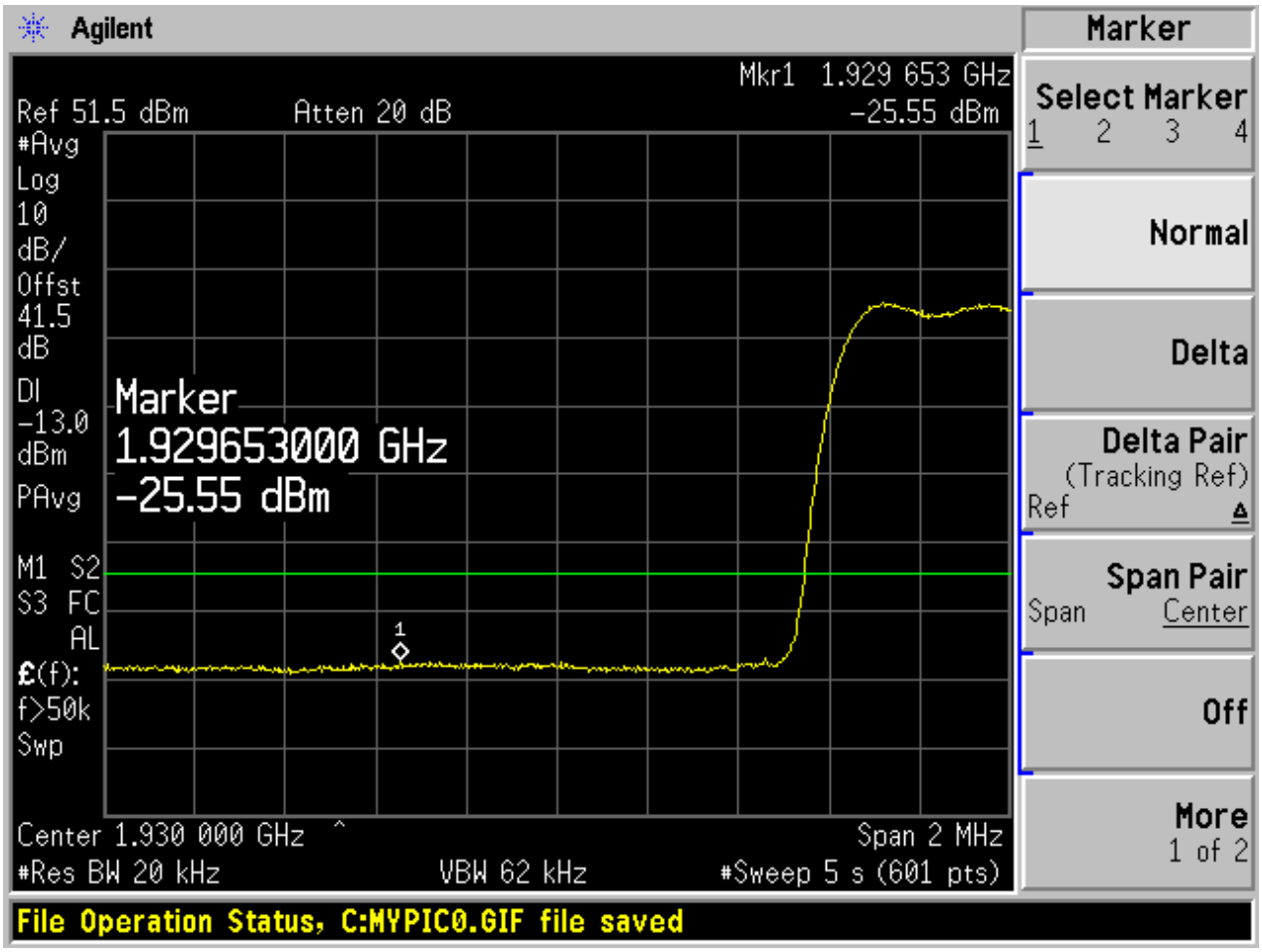


T channel

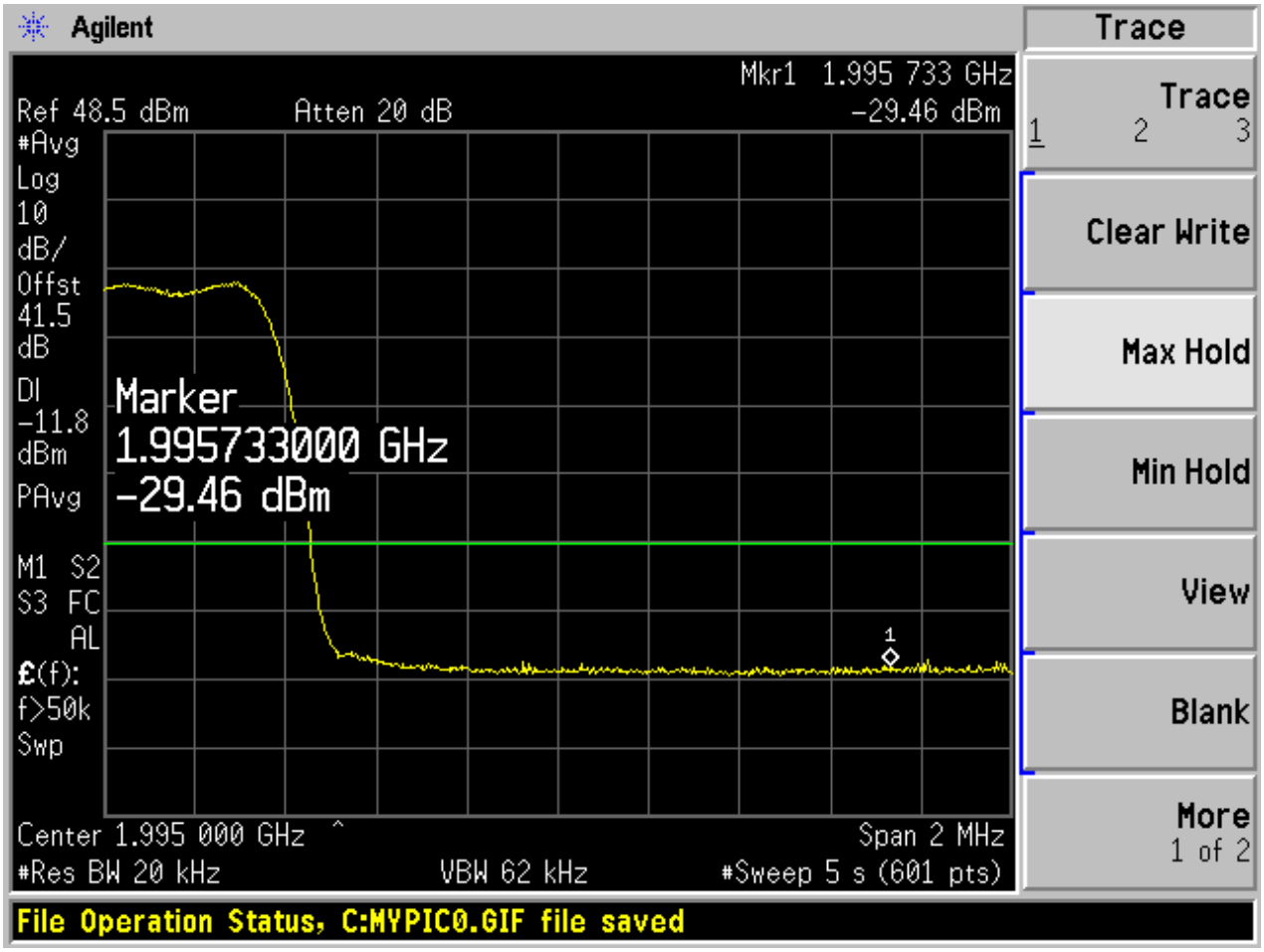

Agilent
Marker
Mkr1 1.995 120 GHz
Ref 41.5 dBm
Atten 10 dB
-23.49 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
Dl
-13.0
dBm
PAvg
Marker
1.995120000 GHz
-23.49 dBm
M1 S2
S3 FC
AL
£(f):
f>50k
Swp
Center 1.995 000 GHz
Span 2 MHz
#Res BW 13 kHz
VBW 39 kHz
Sweep 35.8 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

(4) EVDO Four Carriers

B channel



T channel


Agilent
Trace
Mkr1 1.995 733 GHz
Ref 48.5 dBm
Atten 20 dB
-29.46 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
Dl
-11.8
dBm
PAvg
Marker
1.995733000 GHz
-29.46 dBm
M1 S2
S3 FC
AL
£(f):
f>50k
Swp
Trace
1 2 3
Clear Write
Max Hold
Min Hold
View
Blank
More
1 of 2
Center 1.995 000 GHz
Span 2 MHz
#Res BW 20 kHz
VBW 62 kHz
#Sweep 5 s (601 pts)
File Operation Status, C:MYPIC0.GIF file saved

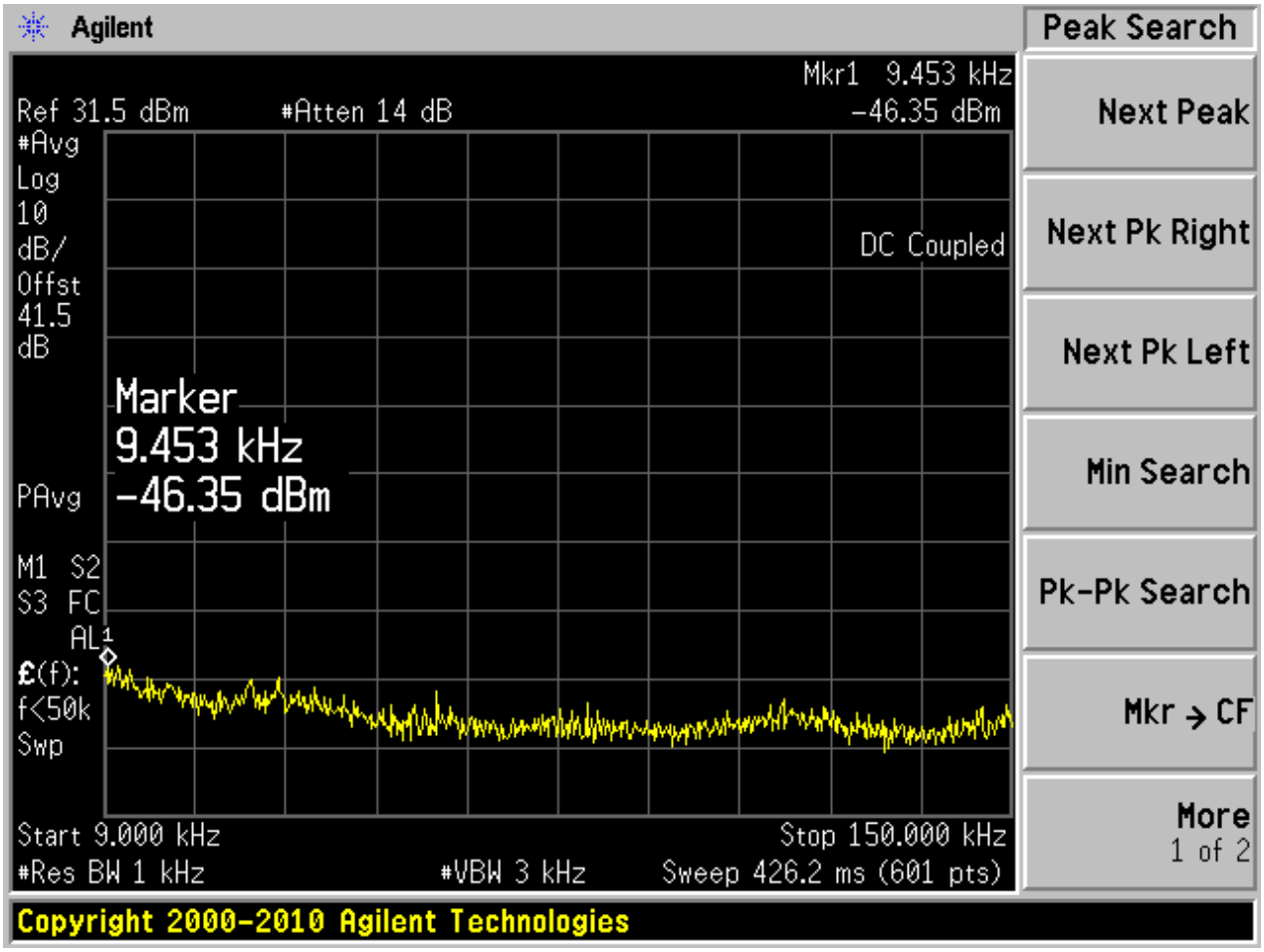
Appendix D

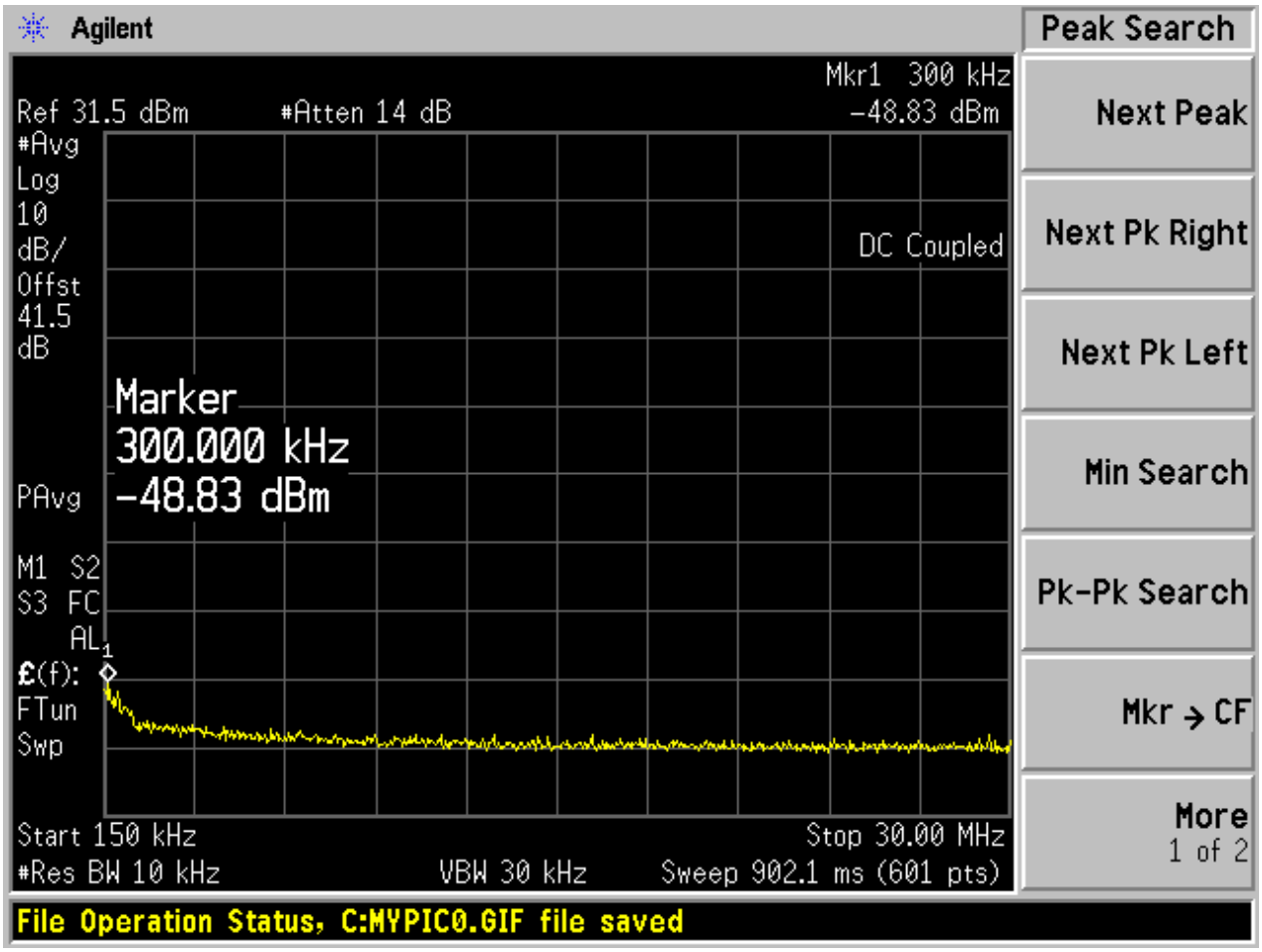
Spurious Emission at Antenna Terminal Measurement

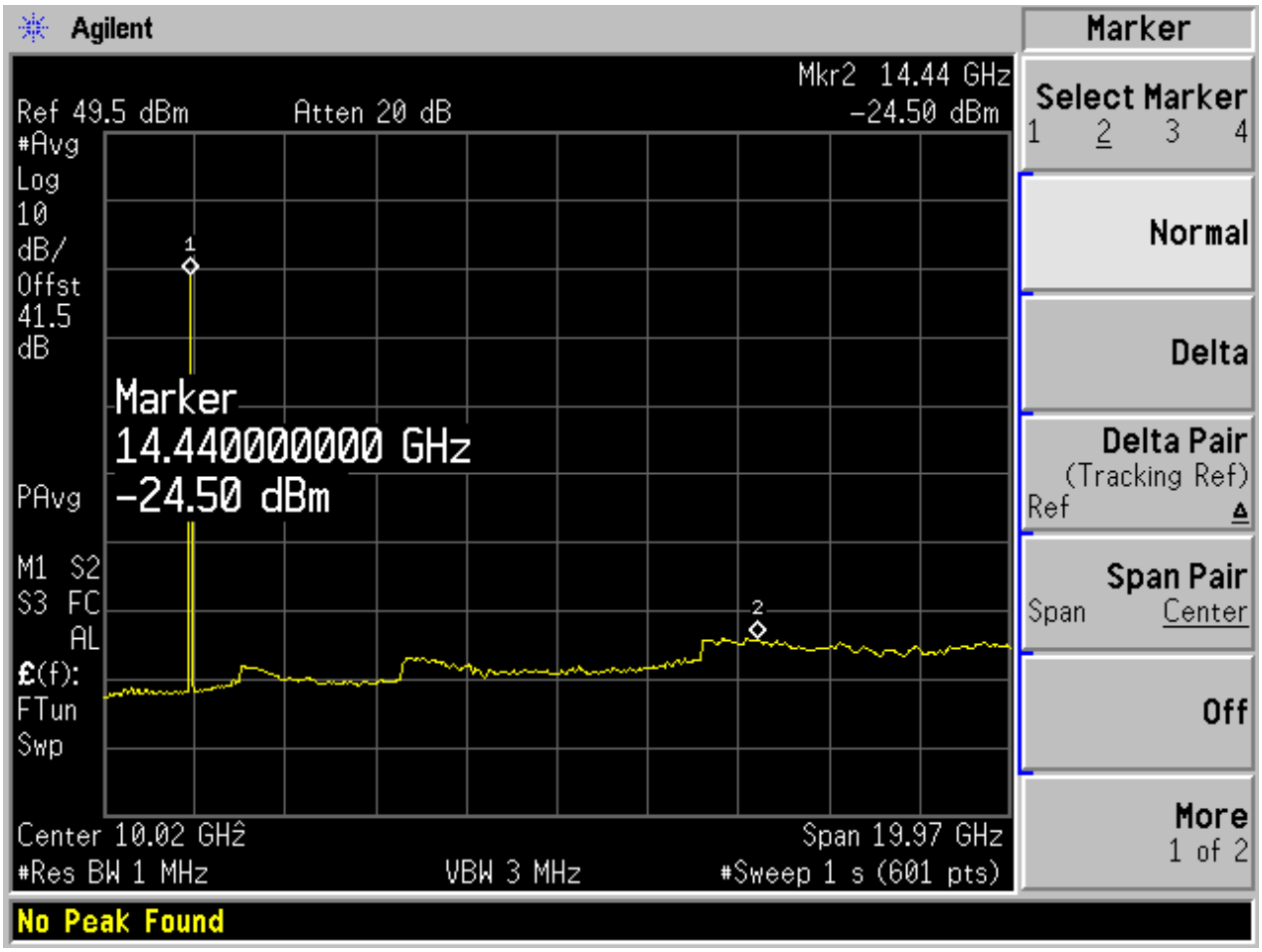
According to FCC part 2.1051 and part 24.238

(1) 1X One Carrier

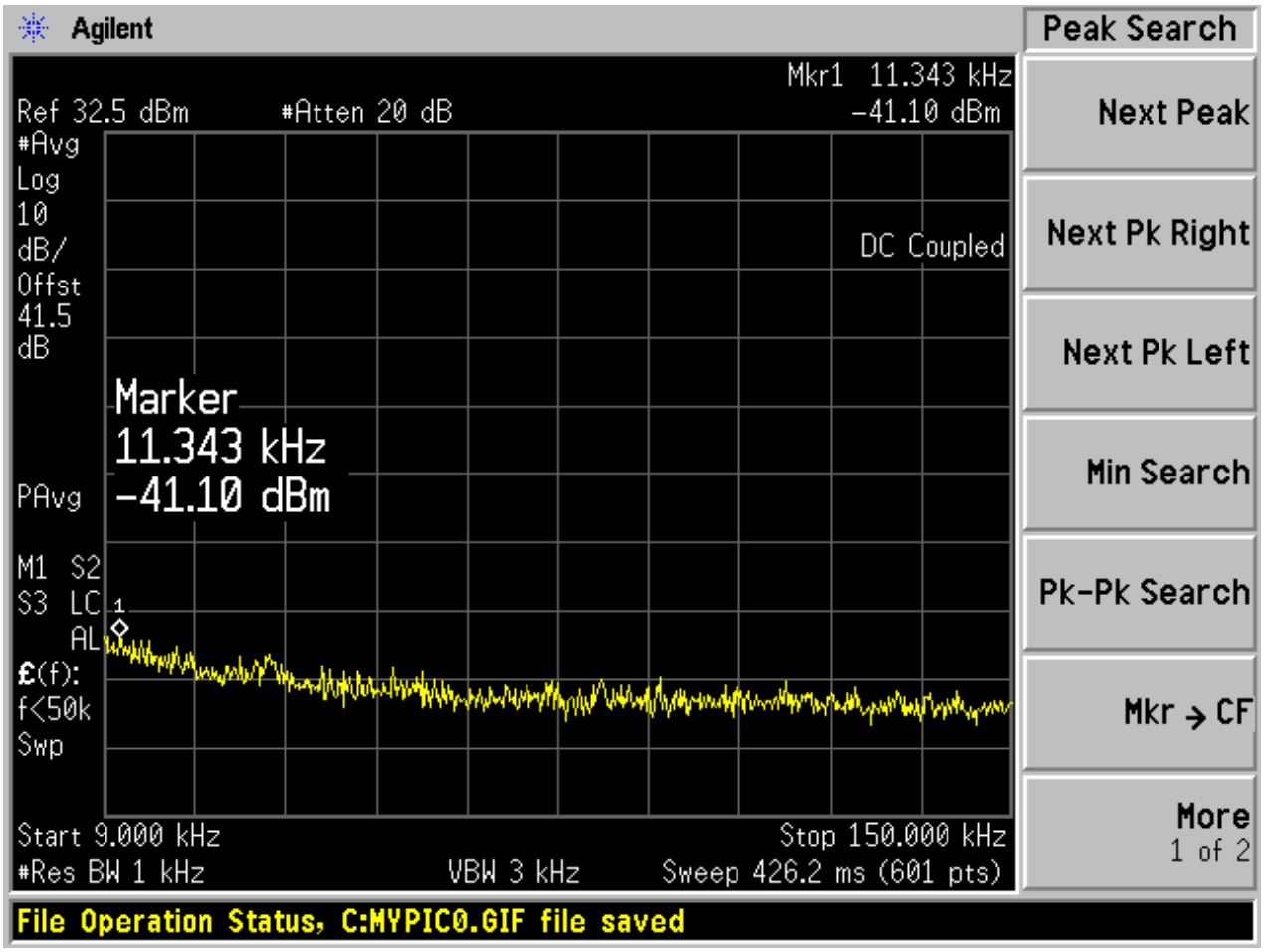
B channel

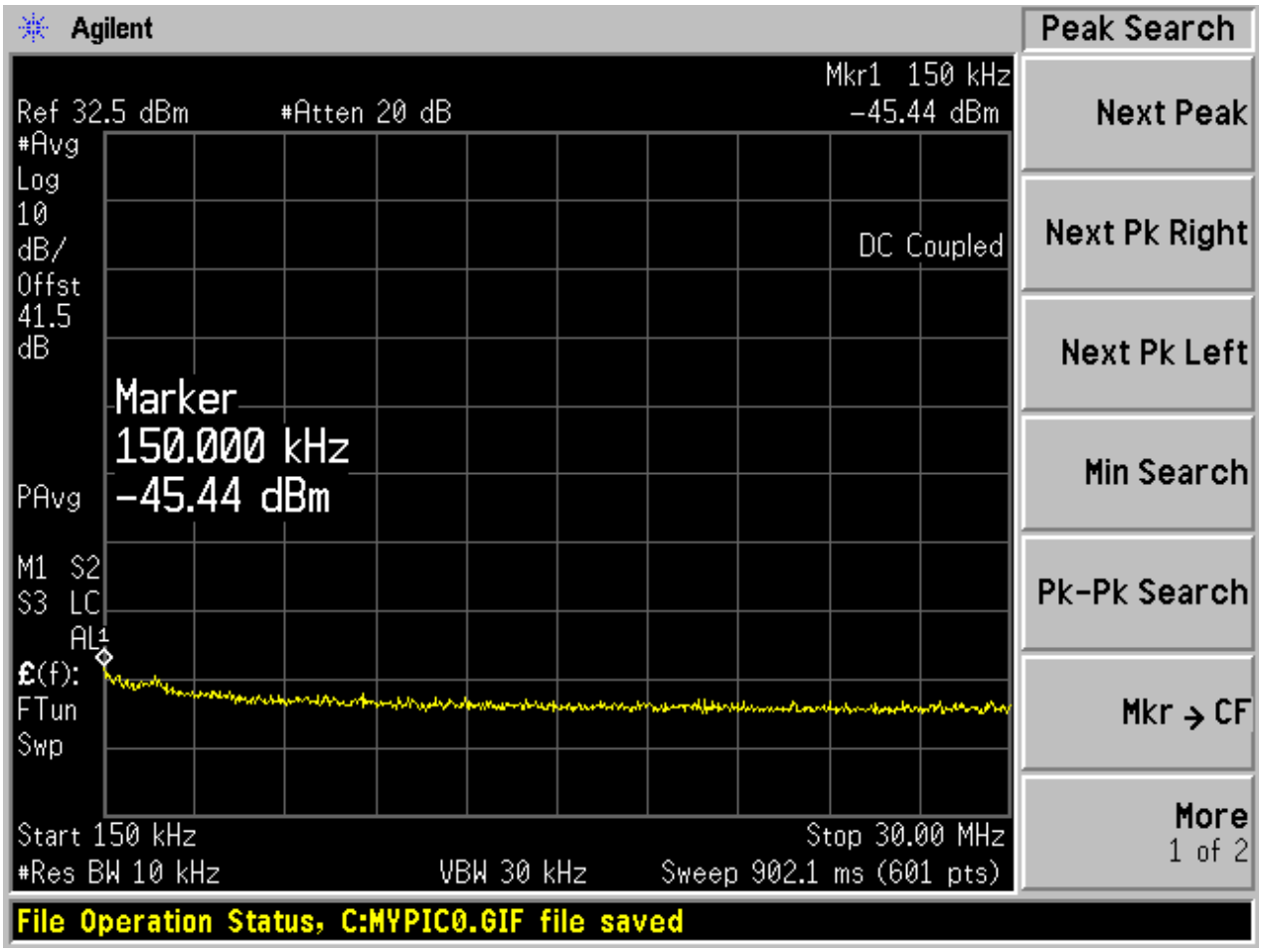


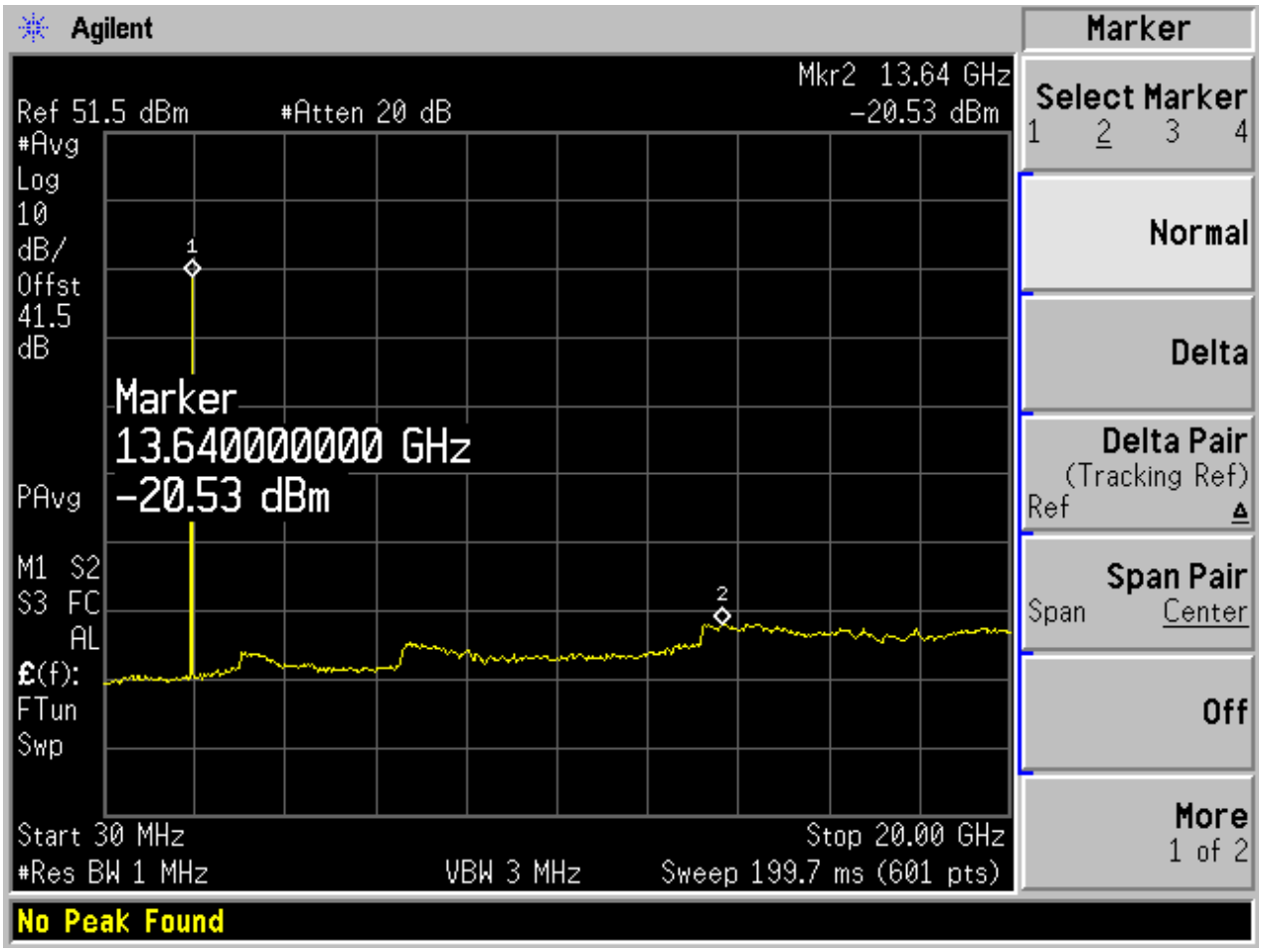

Agilent
Peak Search
Mkr1 300 kHz
Ref 31.5 dBm
#Atten 14 dB
-48.83 dBm
Next Peak
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Next Pk Right
Next Pk Left
Marker
300.000 kHz
-48.83 dBm
Min Search
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Pk-Pk Search
Mkr → CF
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved


Agilent
Marker
Mkr2 14.44 GHz
-24.50 dBm
Ref 49.5 dBm
Atten 20 dB
#Avg
Log
10
dB/
Offst
41.5
dB
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Marker
14.440000000 GHz
-24.50 dBm
Center 10.02 GHz
#Res BW 1 MHz
VBW 3 MHz
Span 19.97 GHz
#Sweep 1 s (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
No Peak Found

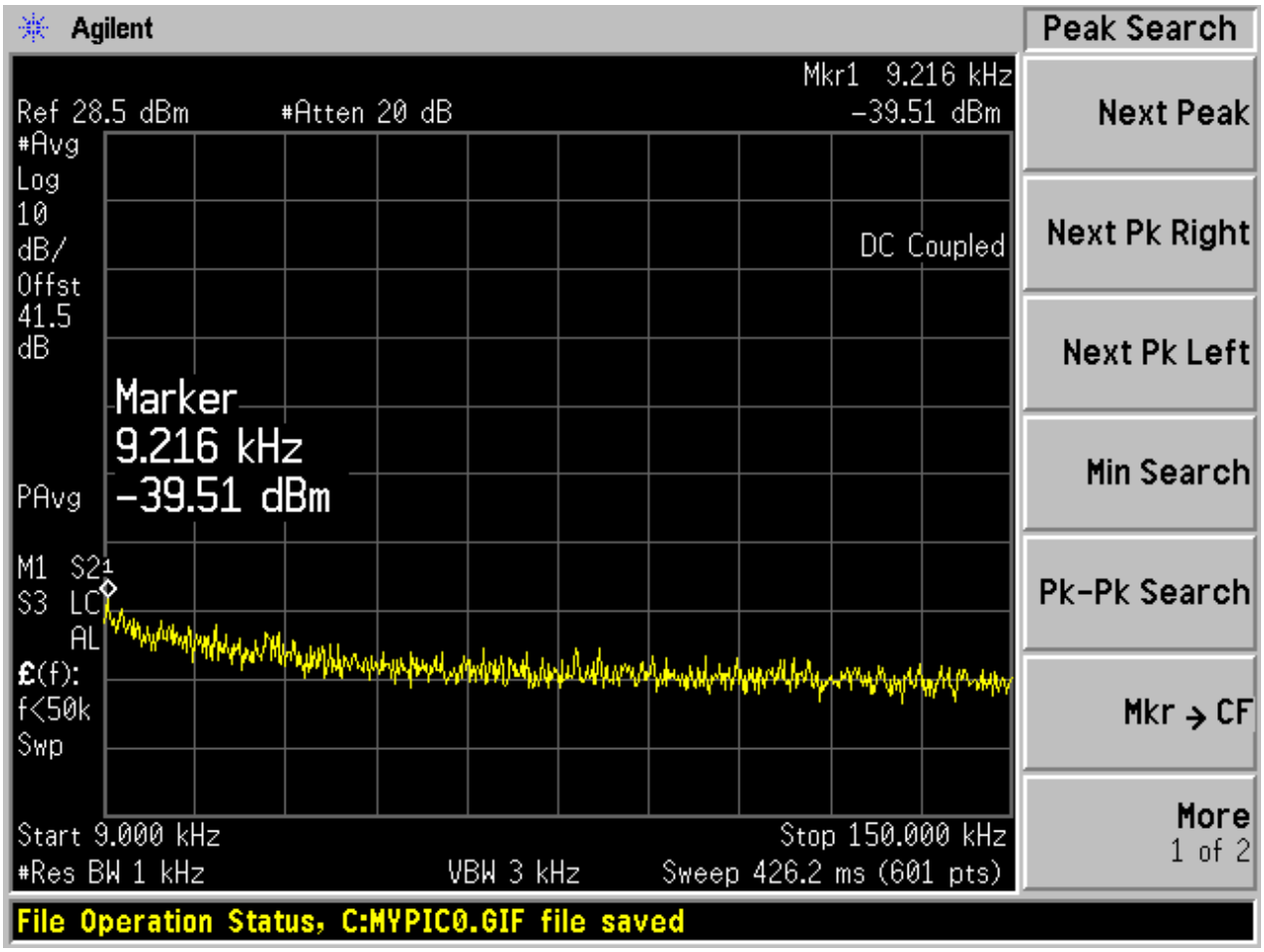
M channel

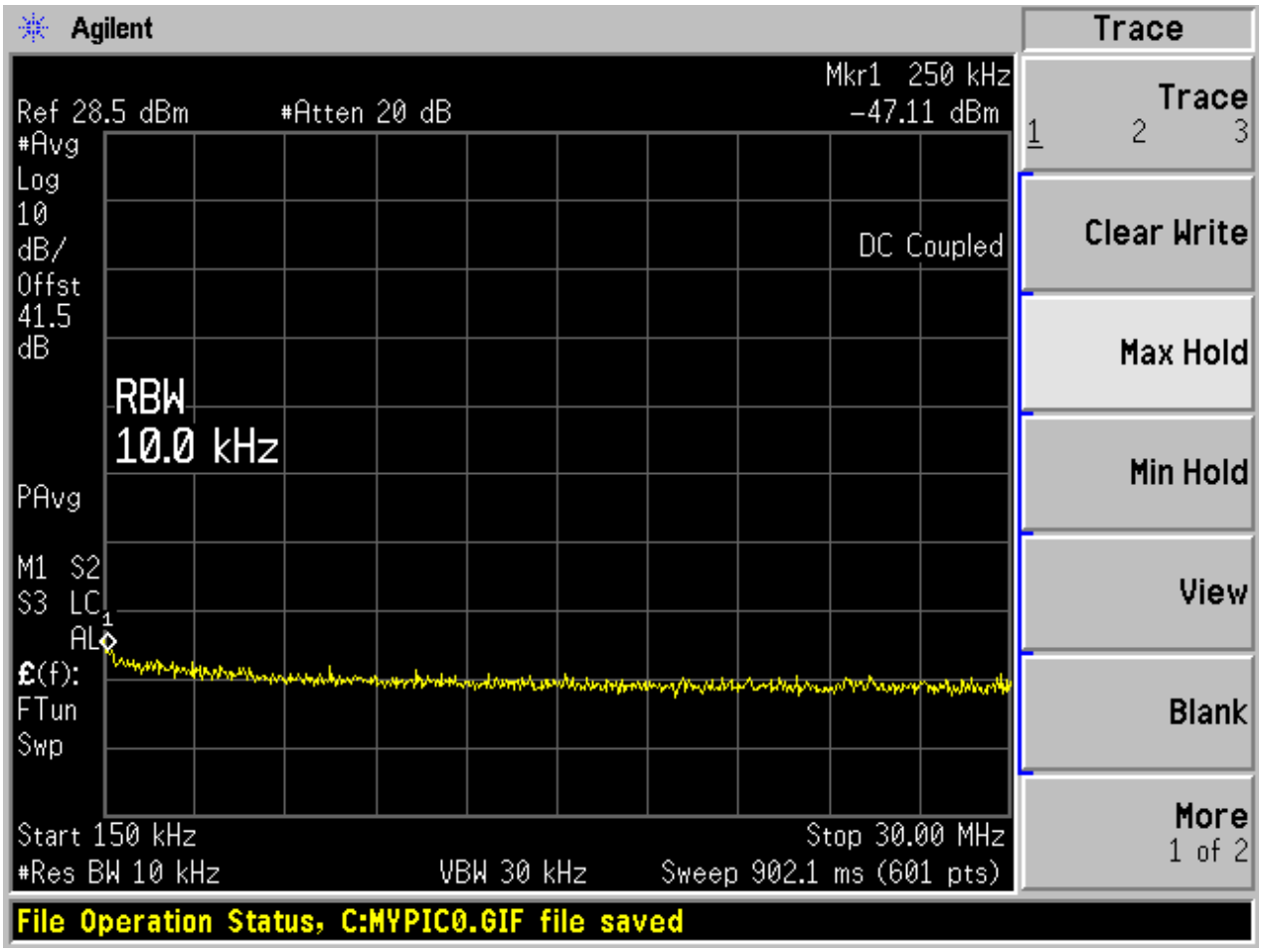

Agilent
Peak Search
Mkr1 11.343 kHz
Ref 32.5 dBm
#Atten 20 dB
-41.10 dBm
Next Peak
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Next Pk Right
Next Pk Left
Marker
11.343 kHz
-41.10 dBm
PAvg
Min Search
M1 S2
S3 LC
AL
Pk-Pk Search
£(f):
f<50k
Swp
Mkr → CF
More
1 of 2
Start 9.000 kHz
Stop 150.000 kHz
#Res BW 1 kHz
VBW 3 kHz
Sweep 426.2 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved

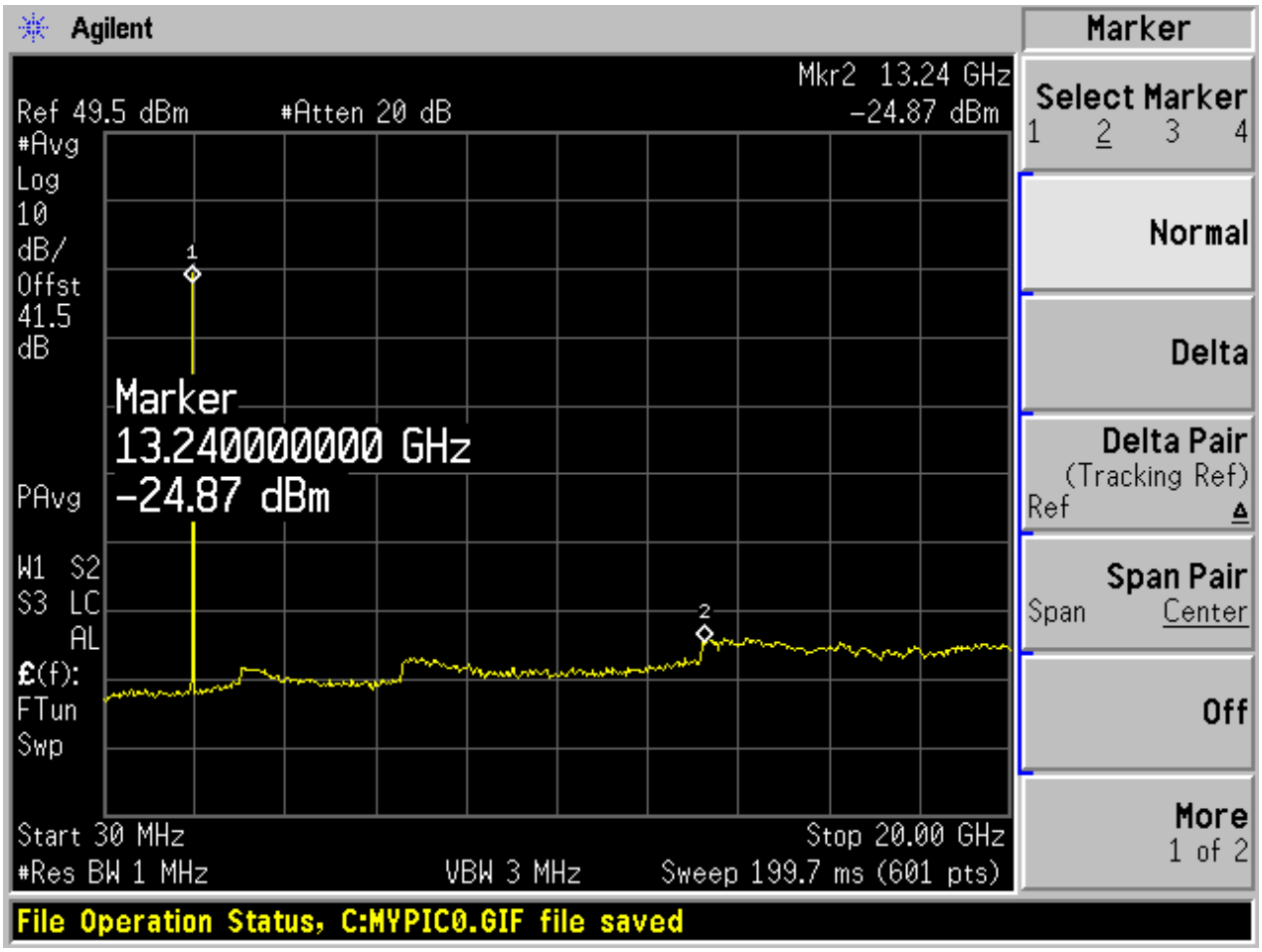

Agilent
Peak Search
Mkr1 150 kHz
Ref 32.5 dBm
#Atten 20 dB
-45.44 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Marker
150.000 kHz
-45.44 dBm
PAvg
M1 S2
S3 LC
AL1
£(f):
FTun
Swp
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved


Agilent
Marker
Mkr2 13.64 GHz
-20.53 dBm
Ref 51.5 dBm
#Atten 20 dB
#Avg
Log
10
dB/
Offst
41.5
dB
Marker
13.640000000 GHz
-20.53 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 30 MHz
#Res BW 1 MHz
VBW 3 MHz
Stop 20.00 GHz
Sweep 199.7 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
No Peak Found

T channel

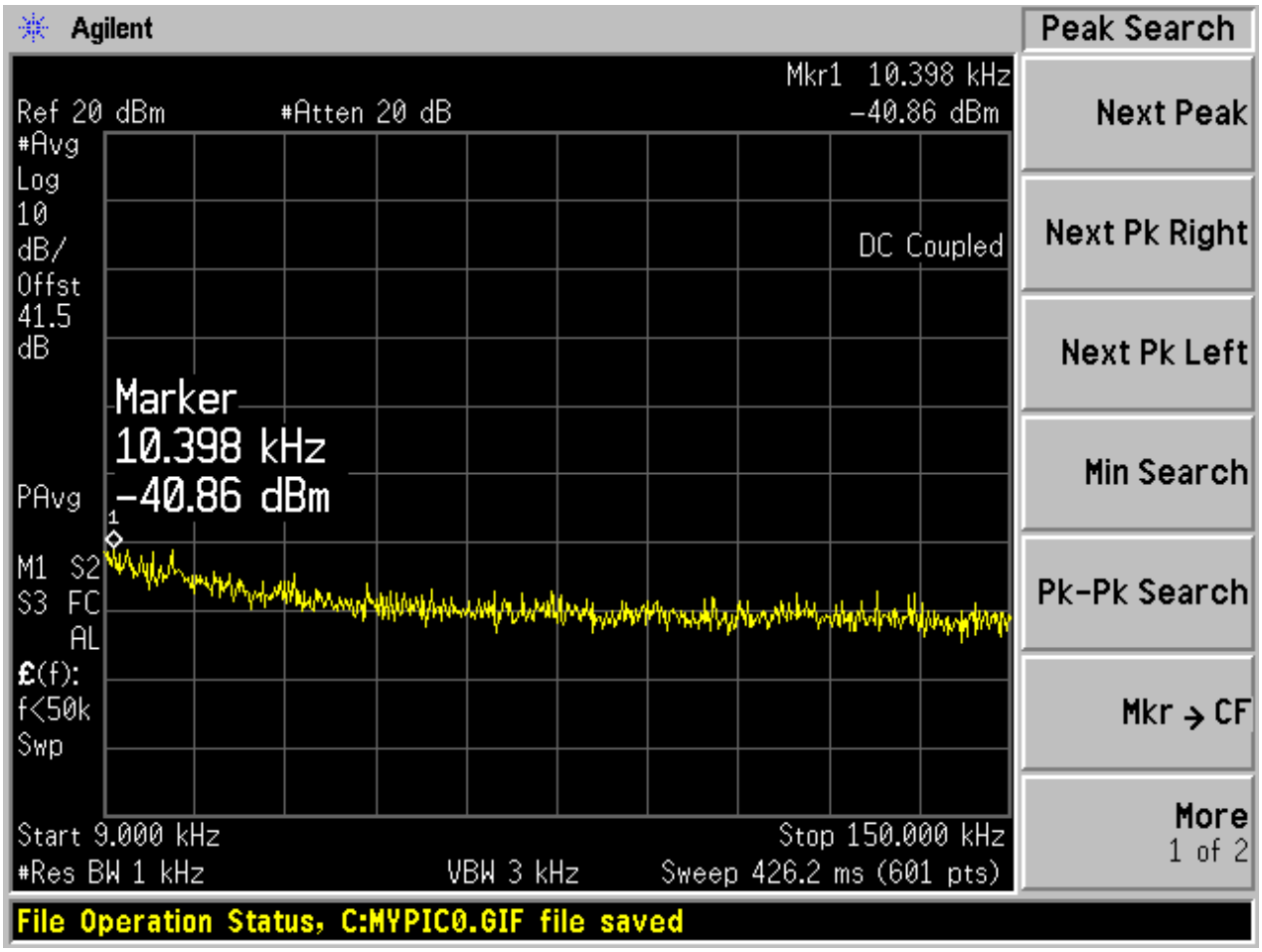

Agilent
Peak Search
Mkr1 9.216 kHz
Ref 28.5 dBm
#Atten 20 dB
-39.51 dBm
Next Peak
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Next Pk Right
Next Pk Left
Marker
9.216 kHz
-39.51 dBm
Min Search
PAvg
M1 S2
S3 LC
AL
Pk-Pk Search
£(f):
f<50k
Swp
Mkr → CF
More
1 of 2
Start 9.000 kHz
Stop 150.000 kHz
#Res BW 1 kHz
VBW 3 kHz
Sweep 426.2 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved

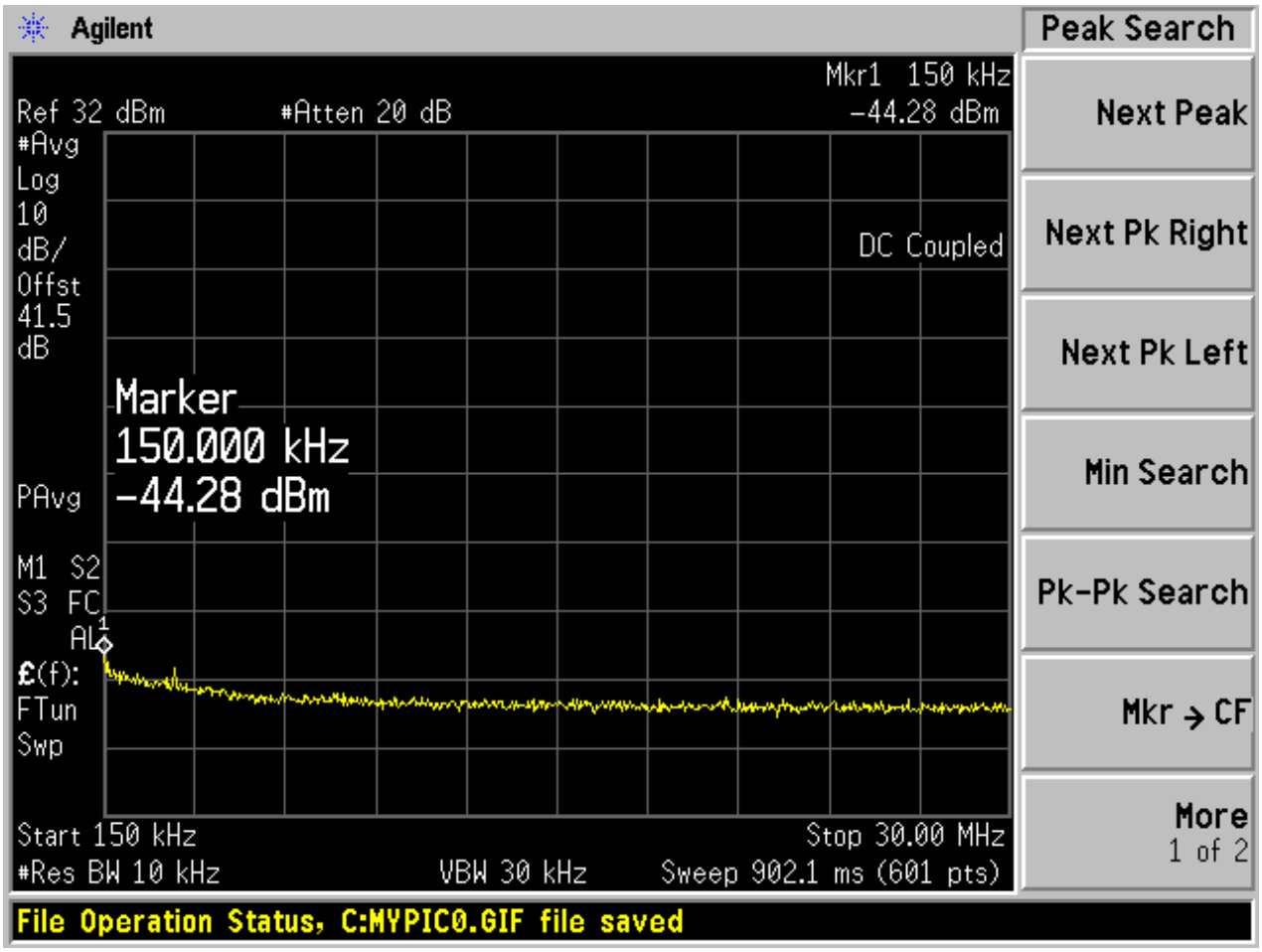

Agilent
Trace
Mkr1 250 kHz
Ref 28.5 dBm
#Atten 20 dB
-47.11 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
RBW
10.0 kHz
PAvg
M1 S2
S3 LC
AL
£(f):
FTun
Swp
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
Trace
1 2 3
Clear Write
Max Hold
Min Hold
View
Blank
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

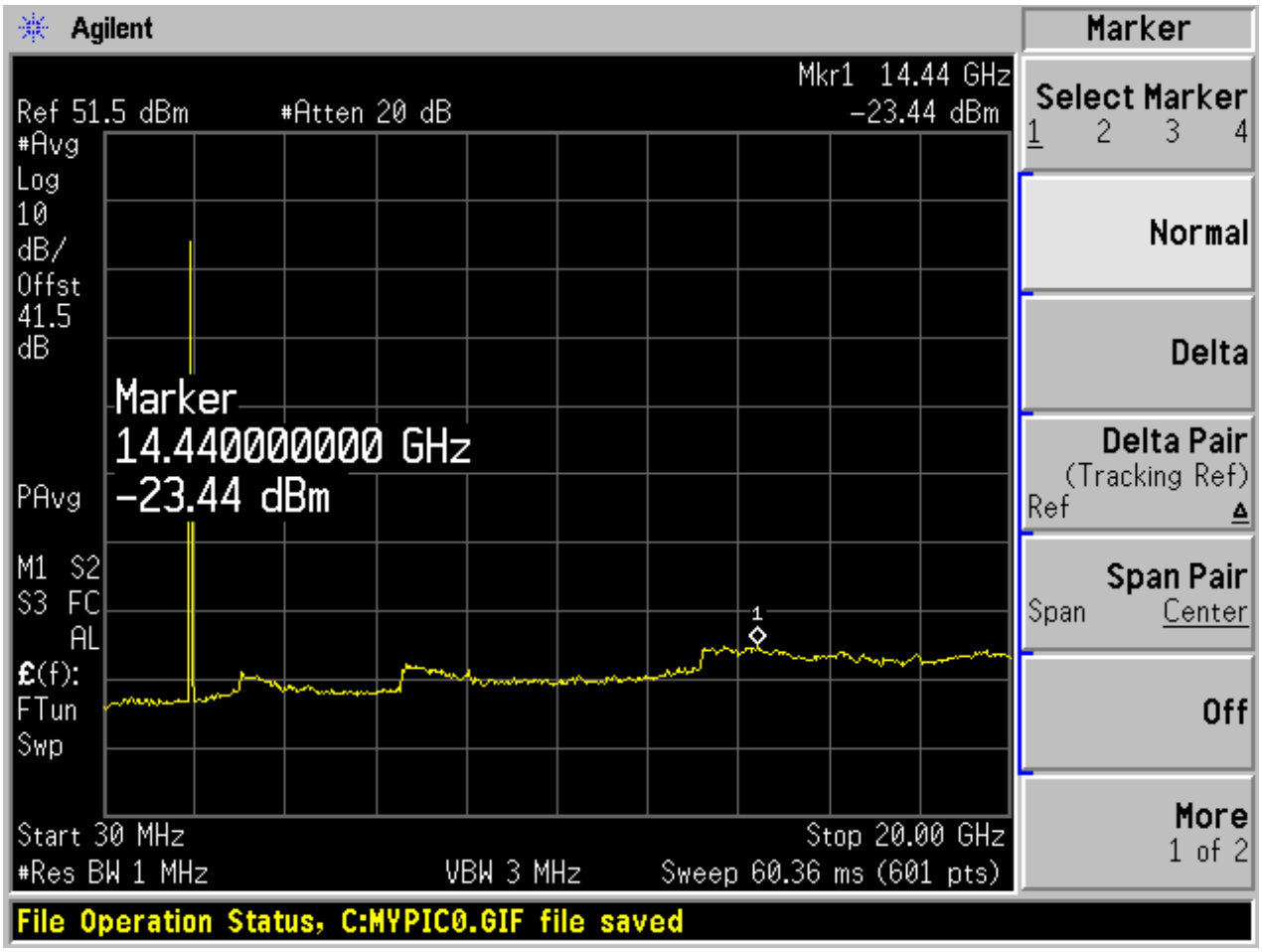

Agilent
Marker
Mkr2 13.24 GHz
-24.87 dBm
Ref 49.5 dBm
#Atten 20 dB
#Avg
Log
10
dB/
Offst
41.5
dB
PAvg
W1 S2
S3 LC
AL
£(f):
FTun
Swp
Marker
13.240000000 GHz
-24.87 dBm
Start 30 MHz
#Res BW 1 MHz
VBW 3 MHz
Stop 20.00 GHz
Sweep 199.7 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

(2) 1X Four Carriers

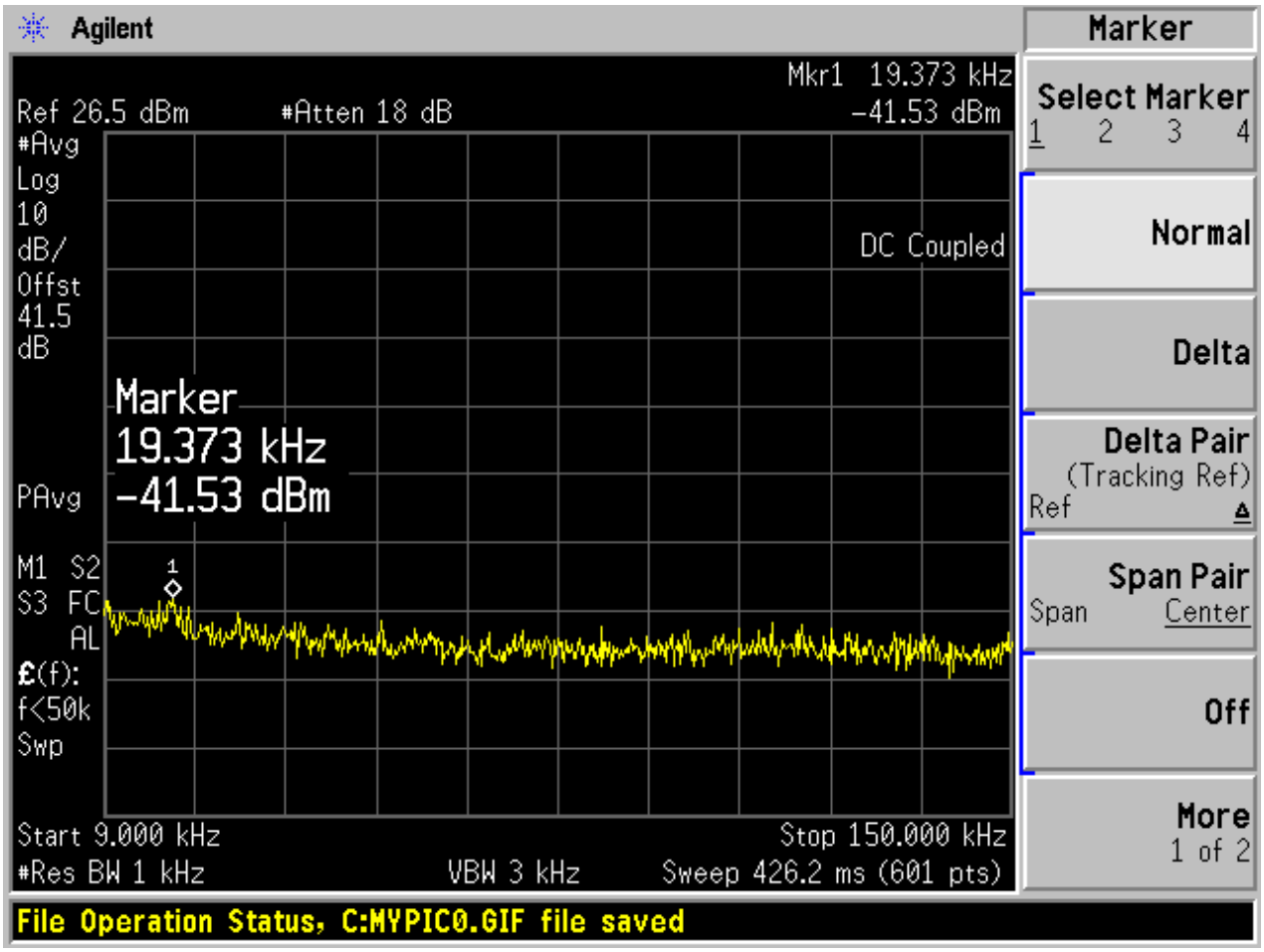
B channel

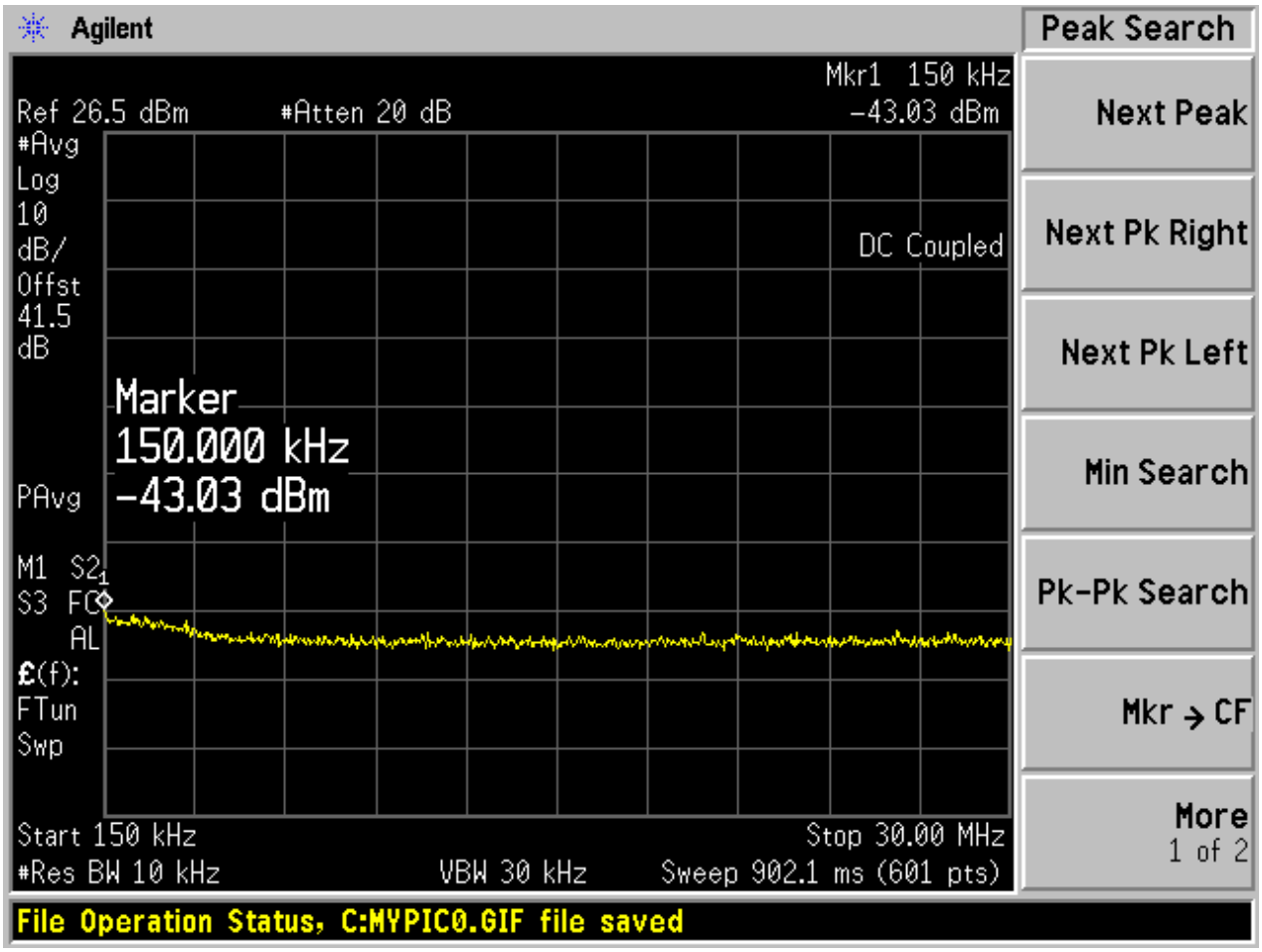


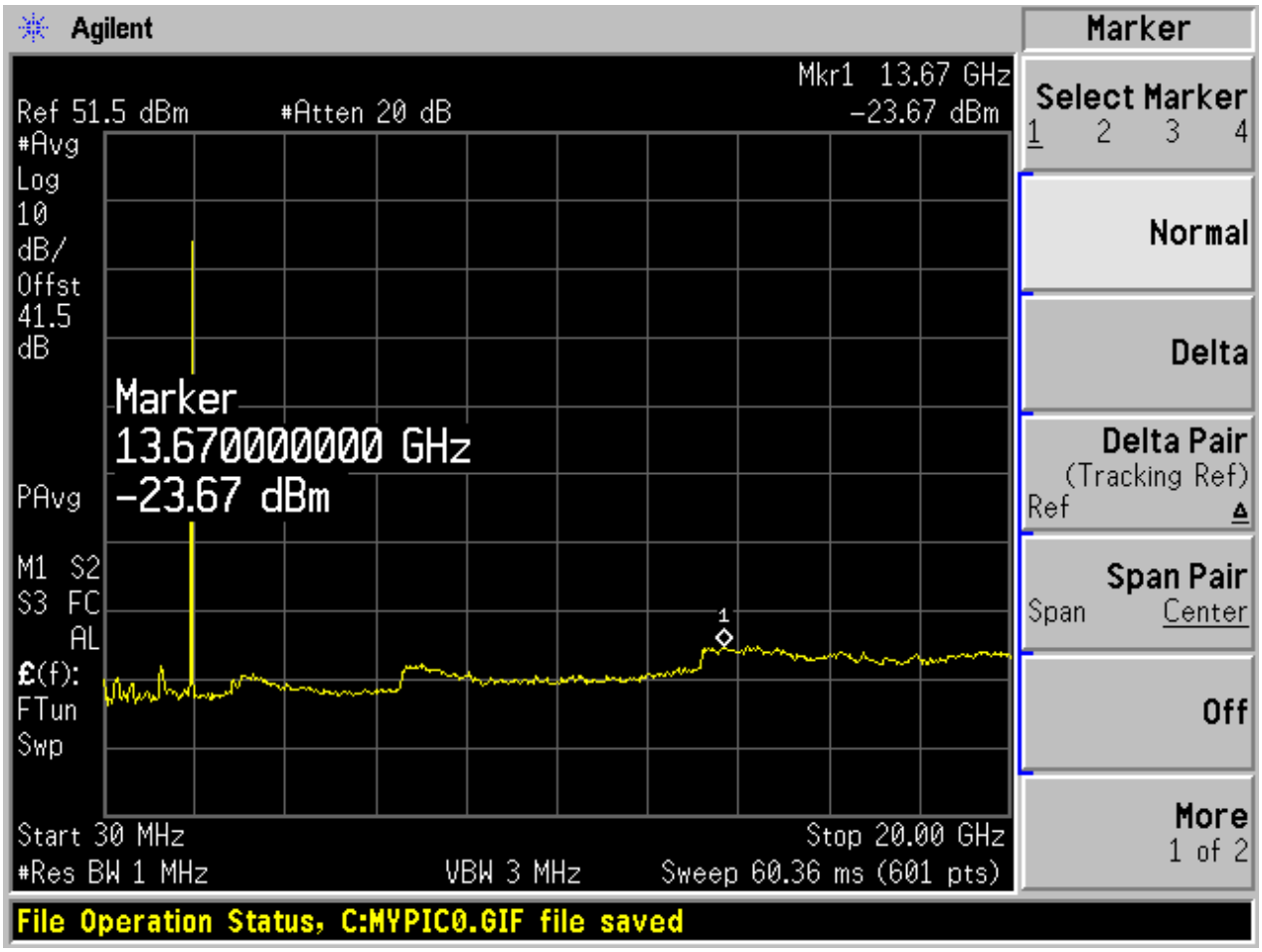

Agilent
Peak Search
Mkr1 150 kHz
Ref 32 dBm
#Atten 20 dB
-44.28 dBm
Next Peak
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Next Pk Right
Next Pk Left
Marker
150.000 kHz
-44.28 dBm
Min Search
PAvg
M1 S2
S3 FC
AL
Pk-Pk Search
£(f):
FTun
Swp
Mkr → CF
More
1 of 2
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved


Agilent
Marker
Mkr1 14.44 GHz
Ref 51.5 dBm
#Atten 20 dB
-23.44 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
Marker
14.440000000 GHz
-23.44 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 30 MHz
Stop 20.00 GHz
#Res BW 1 MHz
VBW 3 MHz
Sweep 60.36 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

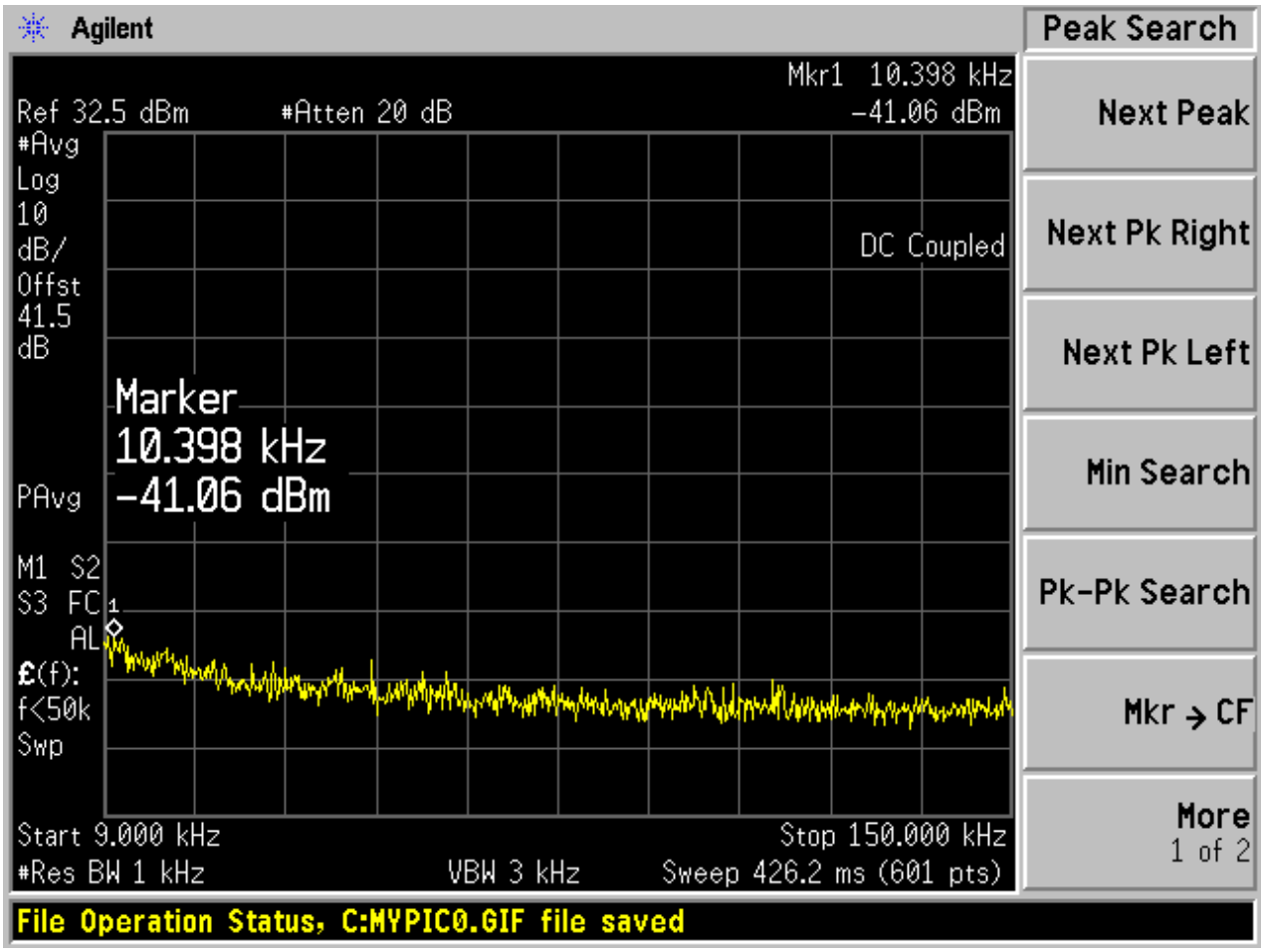
M channel

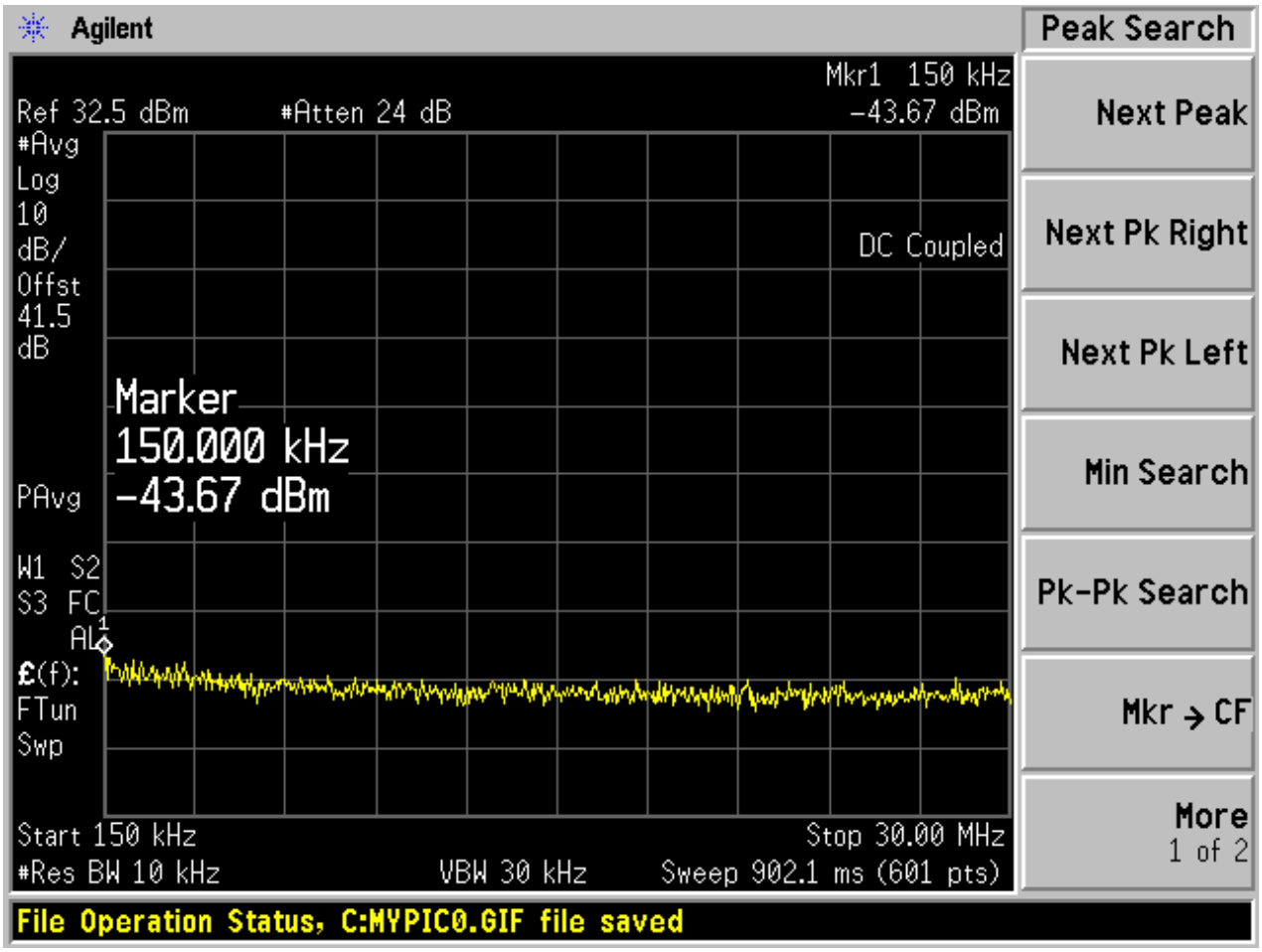

Agilent
Marker
Mkr1 19.373 kHz
Ref 26.5 dBm
#Atten 18 dB
-41.53 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Marker
19.373 kHz
-41.53 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
f<50k
Swp
Start 9.000 kHz
Stop 150.000 kHz
#Res BW 1 kHz
VBW 3 kHz
Sweep 426.2 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

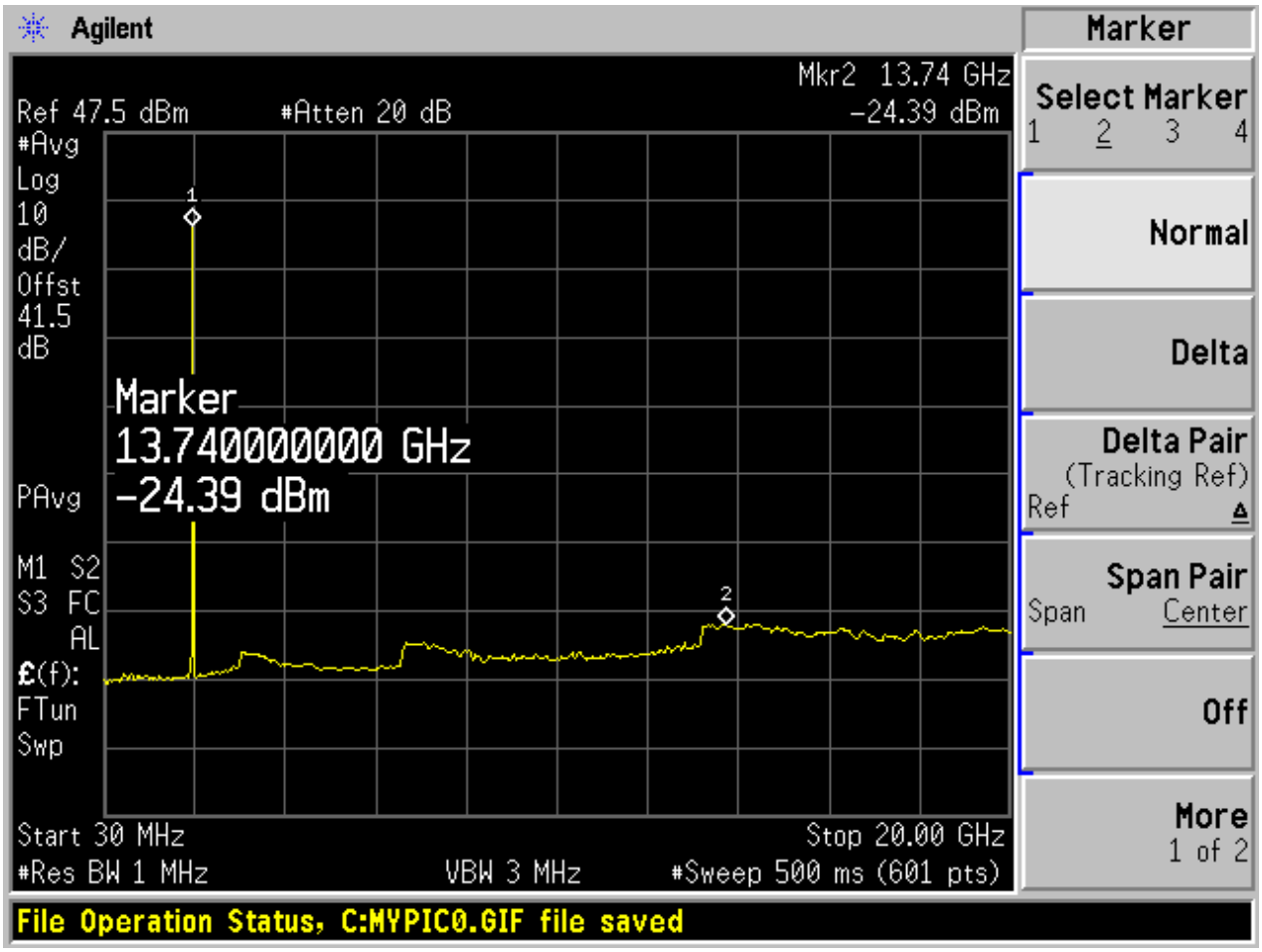

Agilent
Peak Search
Mkr1 150 kHz
Ref 26.5 dBm
#Atten 20 dB
-43.03 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Marker
150.000 kHz
-43.03 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved


Agilent
Marker
Mkr1 13.67 GHz
Ref 51.5 dBm
#Atten 20 dB
-23.67 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
Marker
13.670000000 GHz
-23.67 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 30 MHz
Stop 20.00 GHz
#Res BW 1 MHz
VBW 3 MHz
Sweep 60.36 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

T channel

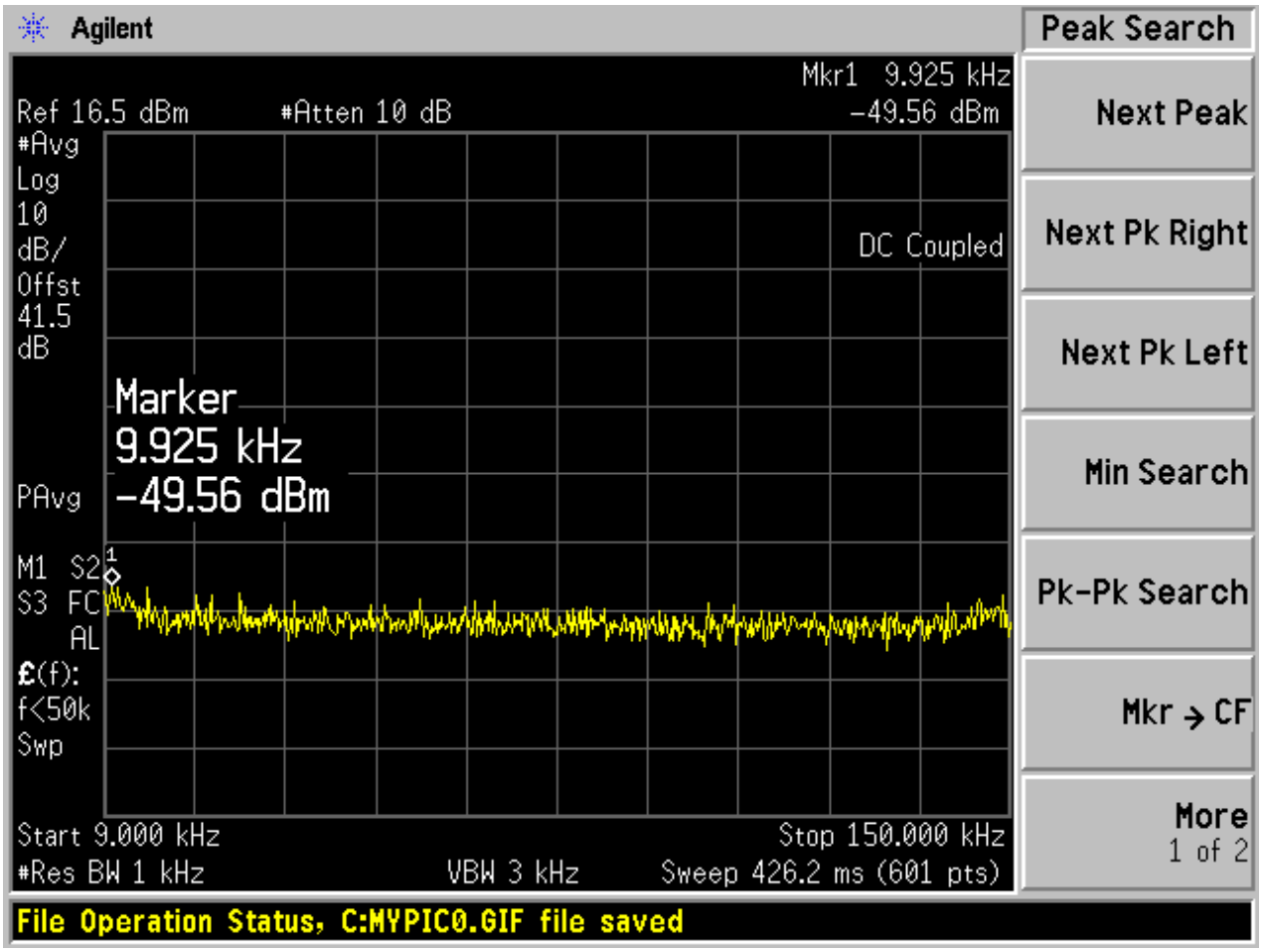

Agilent
Peak Search
Mkr1 10.398 kHz
Ref 32.5 dBm
#Atten 20 dB
-41.06 dBm
Next Peak
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Next Pk Right
Next Pk Left
Marker
10.398 kHz
-41.06 dBm
Min Search
PAvg
M1 S2
S3 FC
AL
Pk-Pk Search
£(f):
f<50k
Swp
Mkr → CF
More
1 of 2
Start 9.000 kHz
Stop 150.000 kHz
#Res BW 1 kHz
VBW 3 kHz
Sweep 426.2 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved

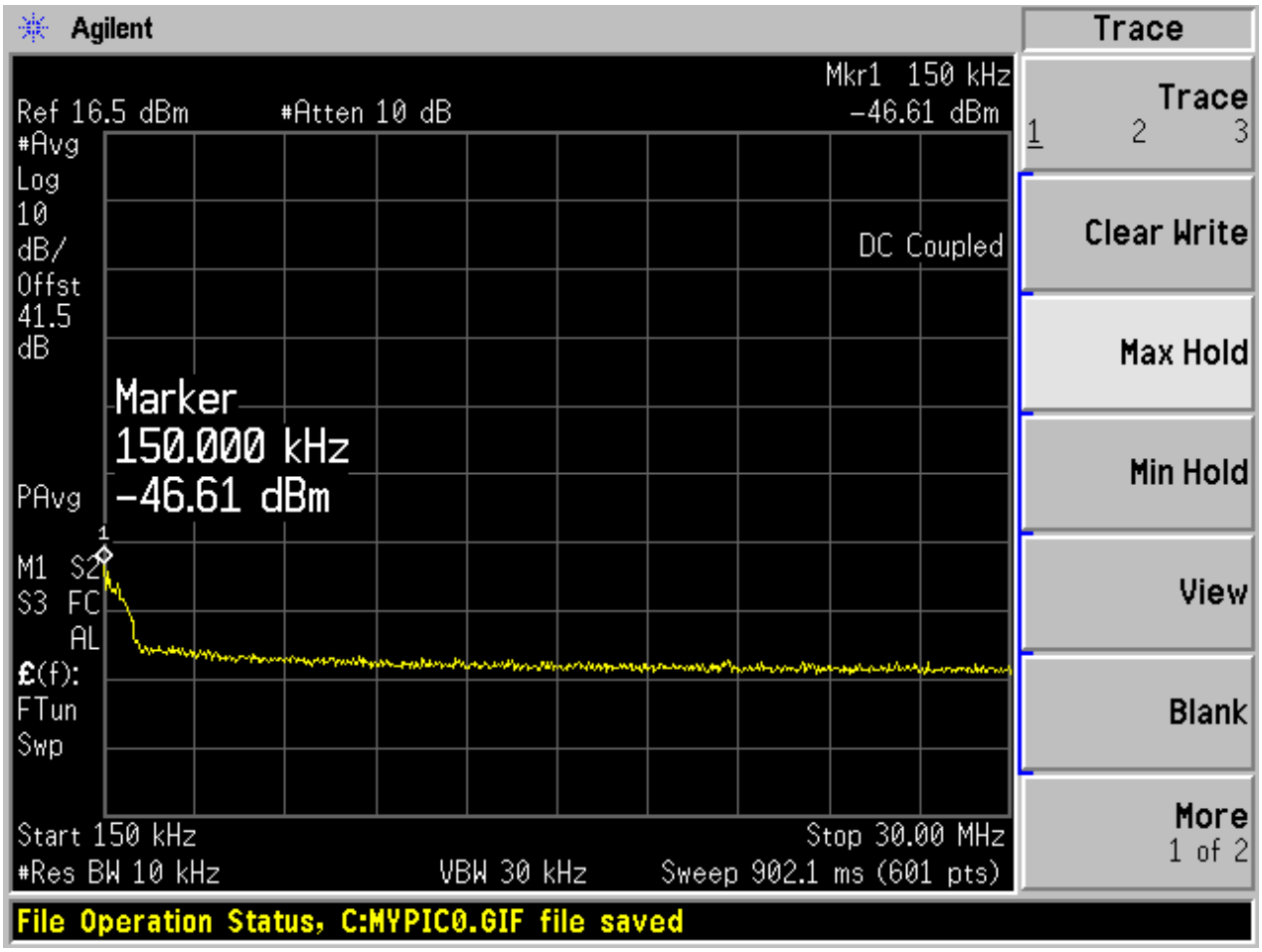

Agilent
Peak Search
Mkr1 150 kHz
Ref 32.5 dBm
#Atten 24 dB
-43.67 dBm
Next Peak
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Next Pk Right
Next Pk Left
Marker
150.000 kHz
-43.67 dBm
Min Search
PAvg
W1 S2
S3 FC
AA
Pk-Pk Search
£(f):
FTun
Swp
Mkr → CF
More
1 of 2
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved

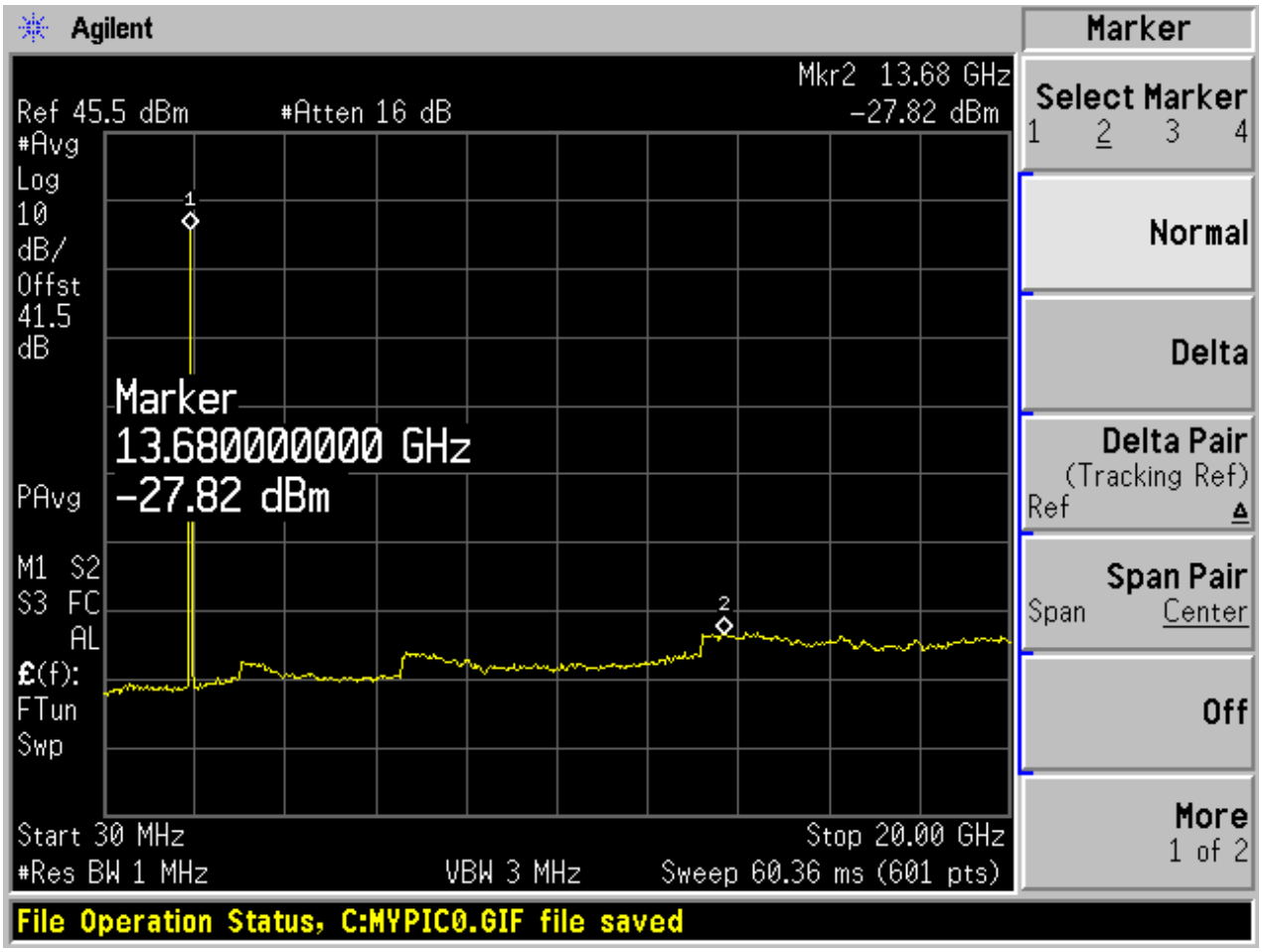

Agilent
Marker
Mkr2 13.74 GHz
-24.39 dBm
Ref 47.5 dBm
#Atten 20 dB
#Avg
Log
10
dB/
Offst
41.5
dB
Marker
13.740000000 GHz
-24.39 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 30 MHz
#Res BW 1 MHz
VBW 3 MHz
Stop 20.00 GHz
#Sweep 500 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

(3) EVDO One Carrier

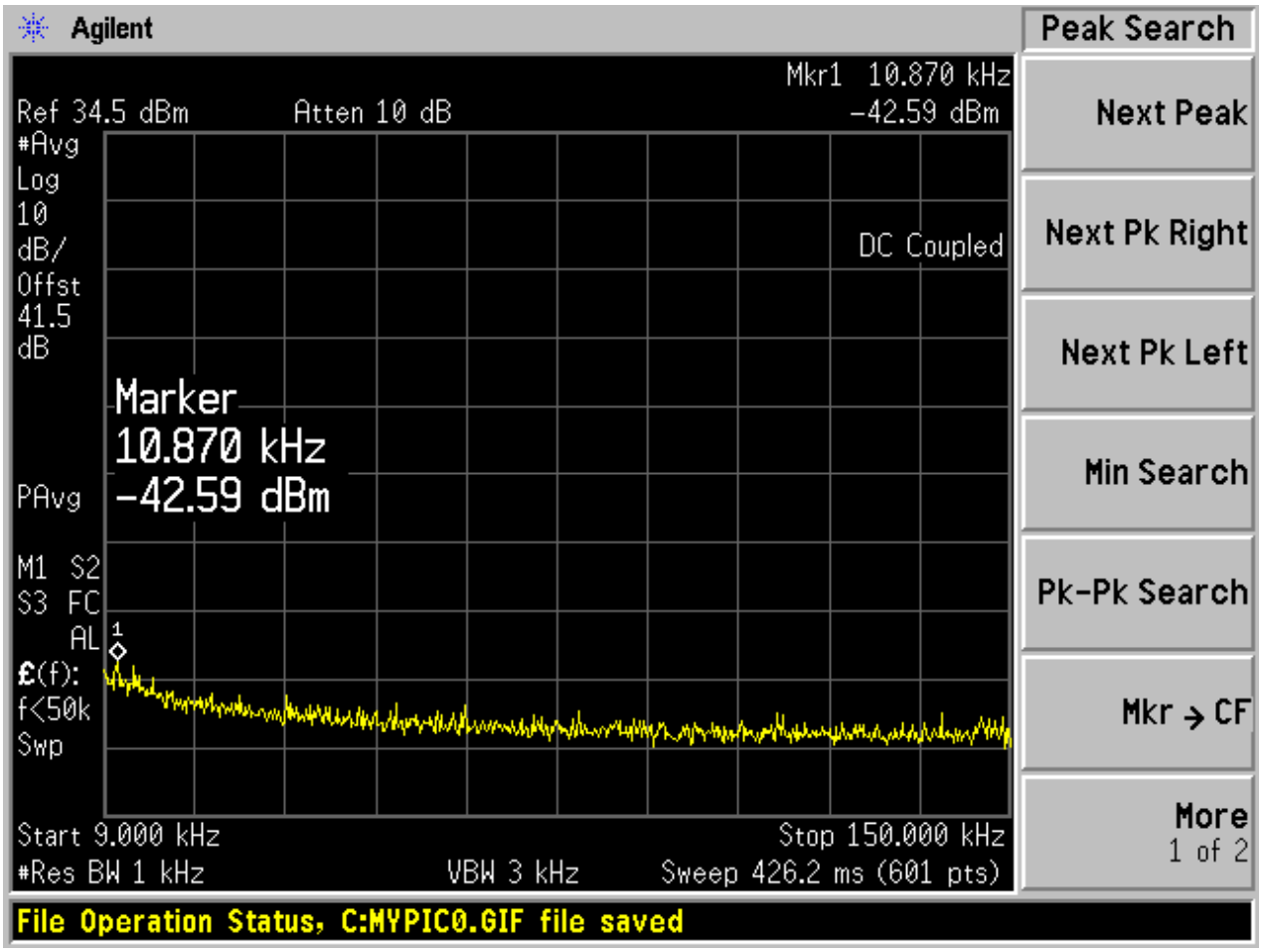
B channel

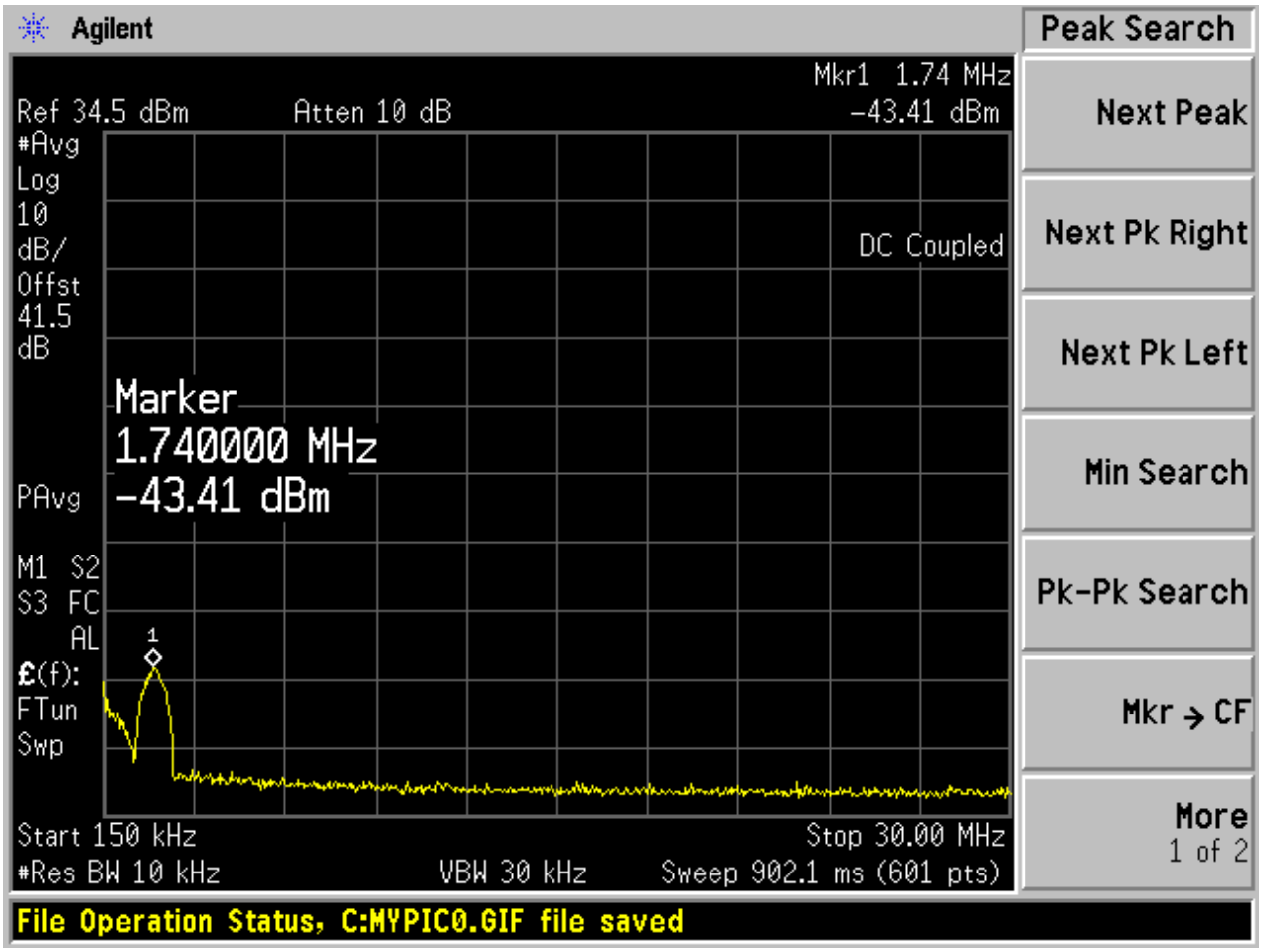


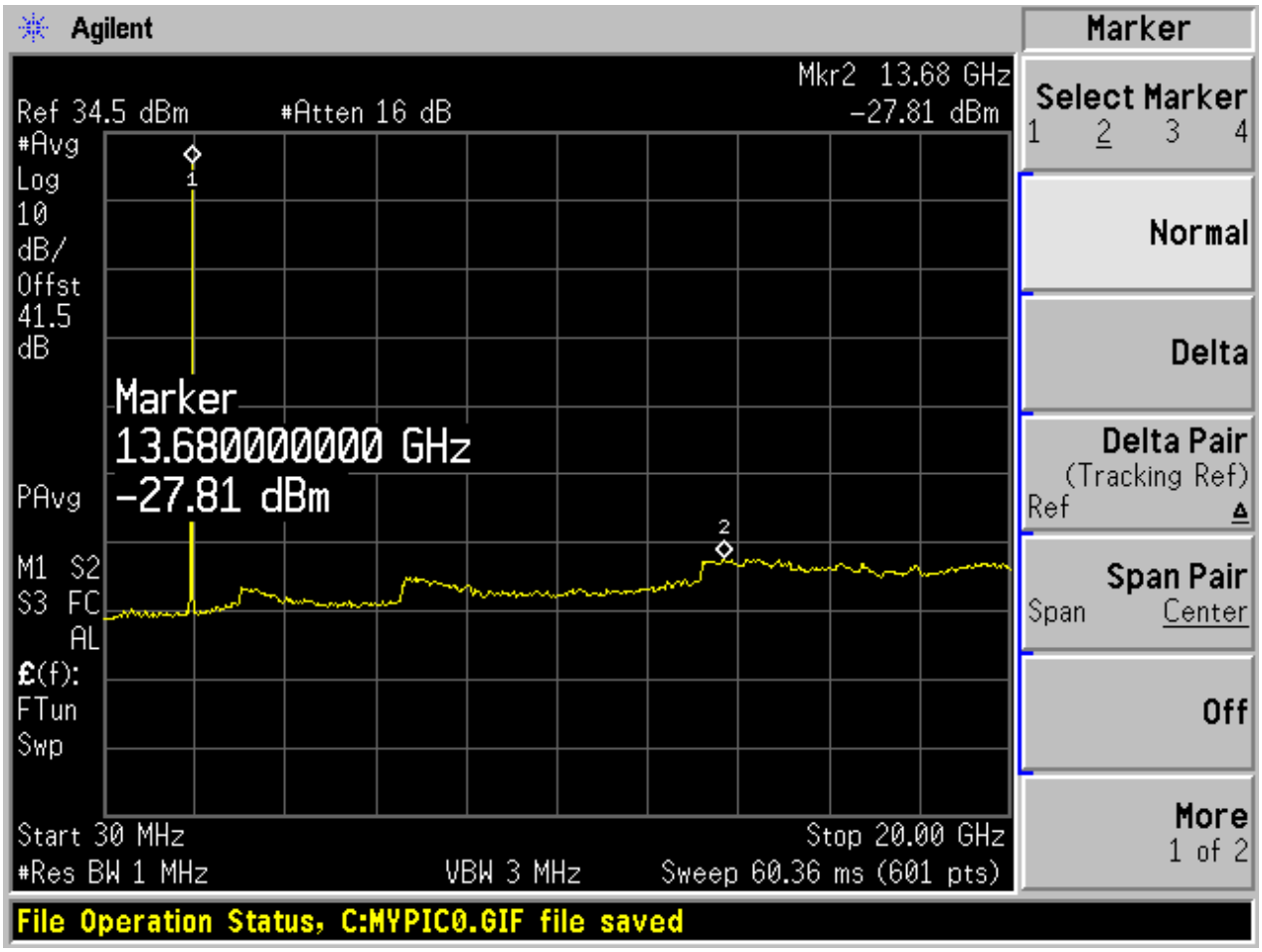

Agilent
Trace
Mkr1 150 kHz
Ref 16.5 dBm
#Atten 10 dB
-46.61 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Marker
150.000 kHz
-46.61 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
Trace
1 2 3
Clear Write
Max Hold
Min Hold
View
Blank
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved


Agilent
Marker
Mkr2 13.68 GHz
-27.82 dBm
Ref 45.5 dBm
#Atten 16 dB
#Avg
Log
10
dB/
Offst
41.5
dB
Marker
13.680000000 GHz
-27.82 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 30 MHz
#Res BW 1 MHz
VBW 3 MHz
Stop 20.00 GHz
Sweep 60.36 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

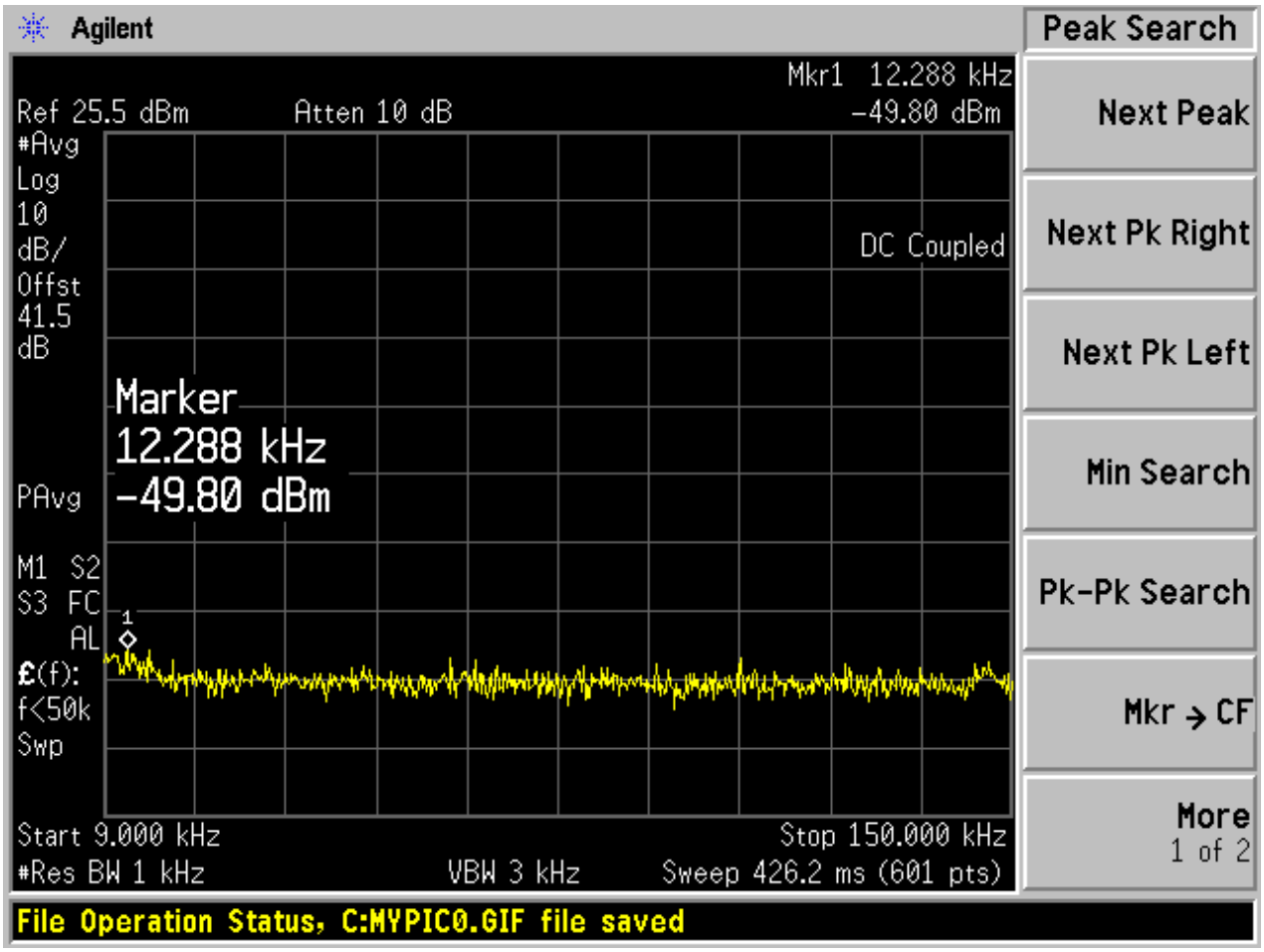
M channel

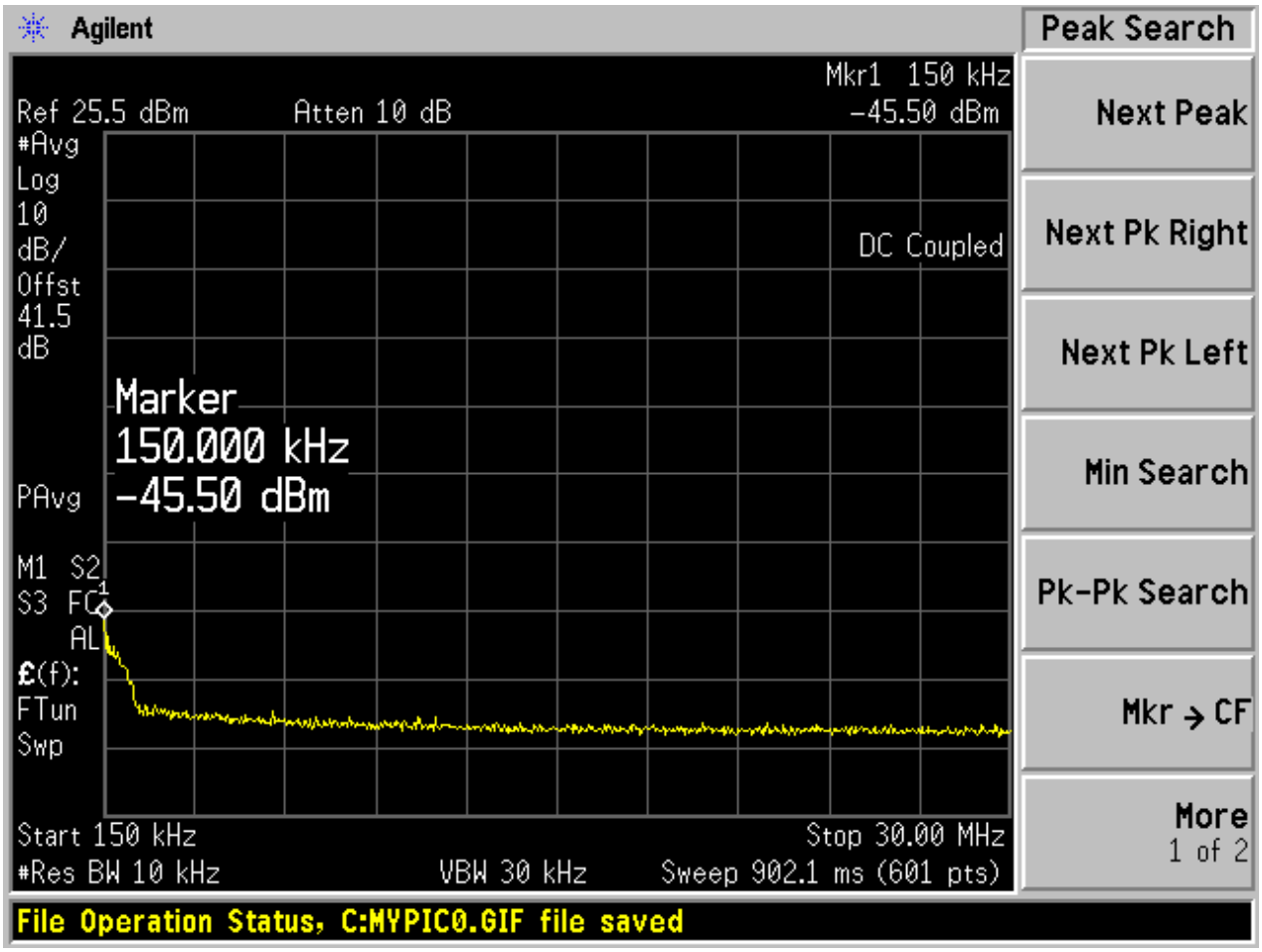

Agilent
Peak Search
Mkr1 10.870 kHz
Ref 34.5 dBm
Atten 10 dB
-42.59 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Marker
10.870 kHz
-42.59 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
f<50k
Swp
Start 9.000 kHz
Stop 150.000 kHz
#Res BW 1 kHz
VBW 3 kHz
Sweep 426.2 ms (601 pts)
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

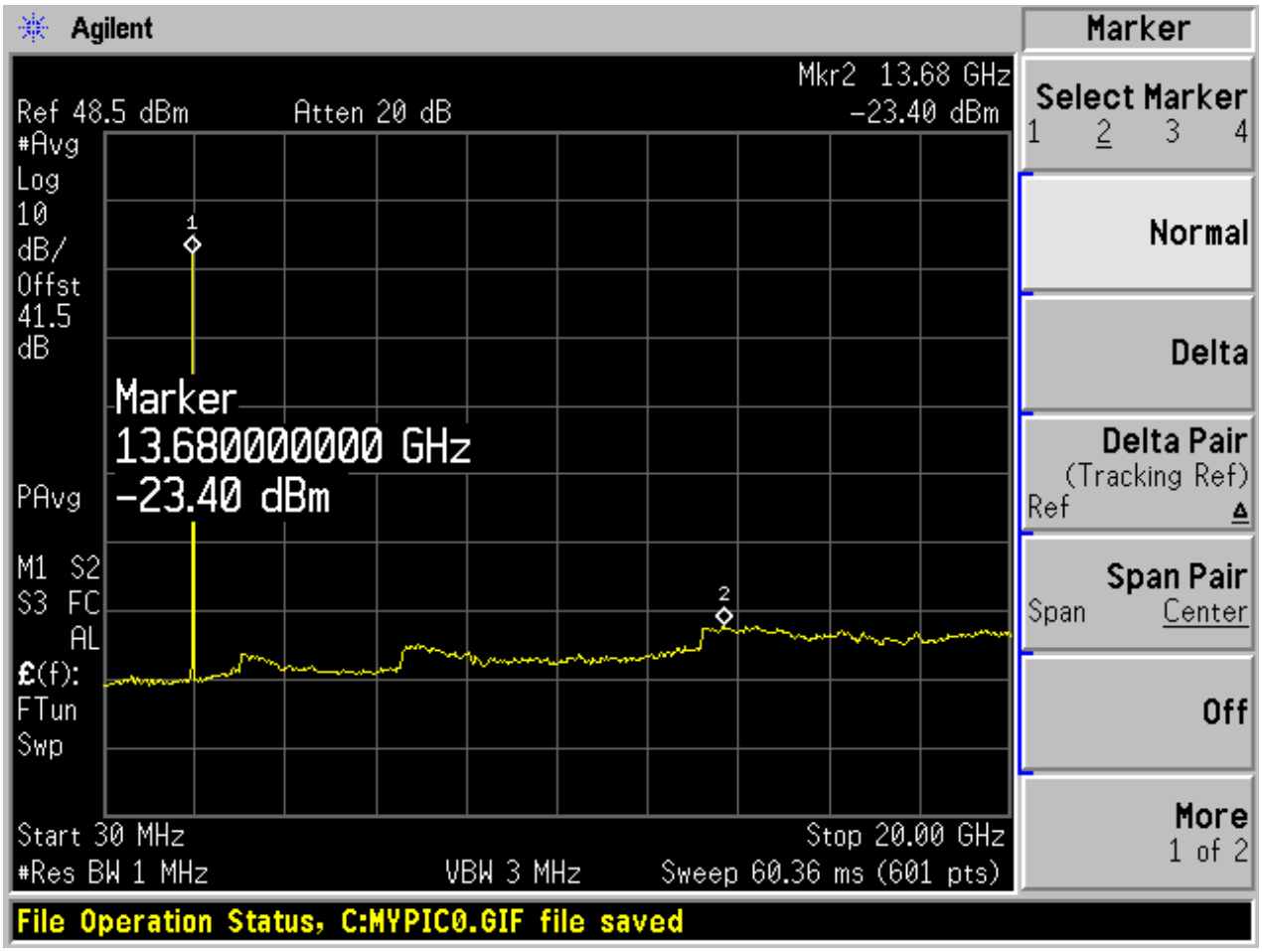

Agilent
Peak Search
Mkr1 1.74 MHz
Ref 34.5 dBm
Atten 10 dB
-43.41 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Next Peak
Next Pk Right
Next Pk Left
Min Search
Marker
1.740000 MHz
-43.41 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved


Agilent
Marker
Mkr2 13.68 GHz
-27.81 dBm
Ref 34.5 dBm
#Atten 16 dB
#Avg
Log
10
dB/
Offst
41.5
dB
Marker
13.680000000 GHz
-27.81 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 30 MHz
#Res BW 1 MHz
VBW 3 MHz
Stop 20.00 GHz
Sweep 60.36 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

T channel

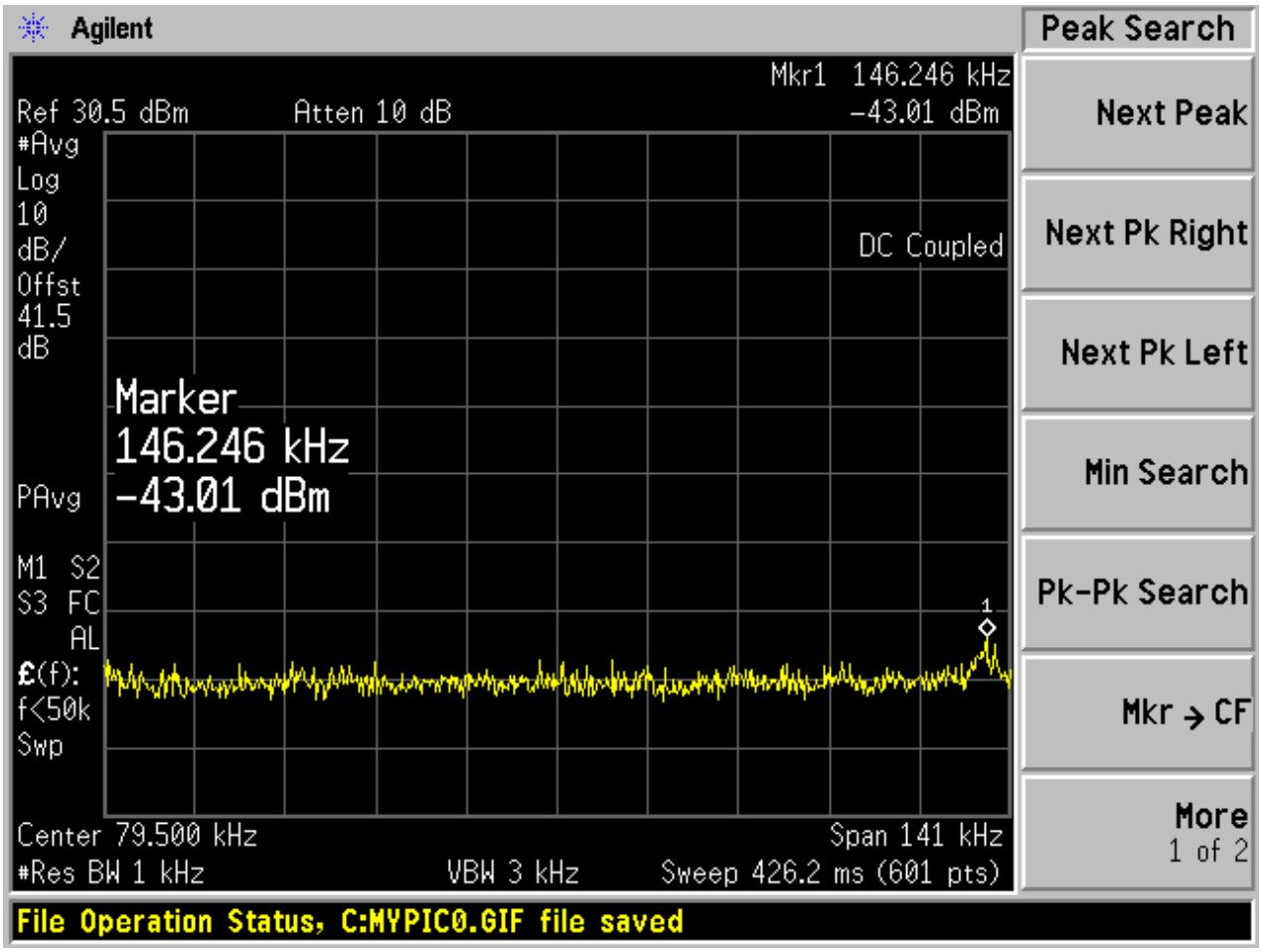

Agilent
Peak Search
Mkr1 12.288 kHz
Ref 25.5 dBm
Atten 10 dB
-49.80 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Marker
12.288 kHz
-49.80 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
f<50k
Swp
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 9.000 kHz
Stop 150.000 kHz
#Res BW 1 kHz
VBW 3 kHz
Sweep 426.2 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved

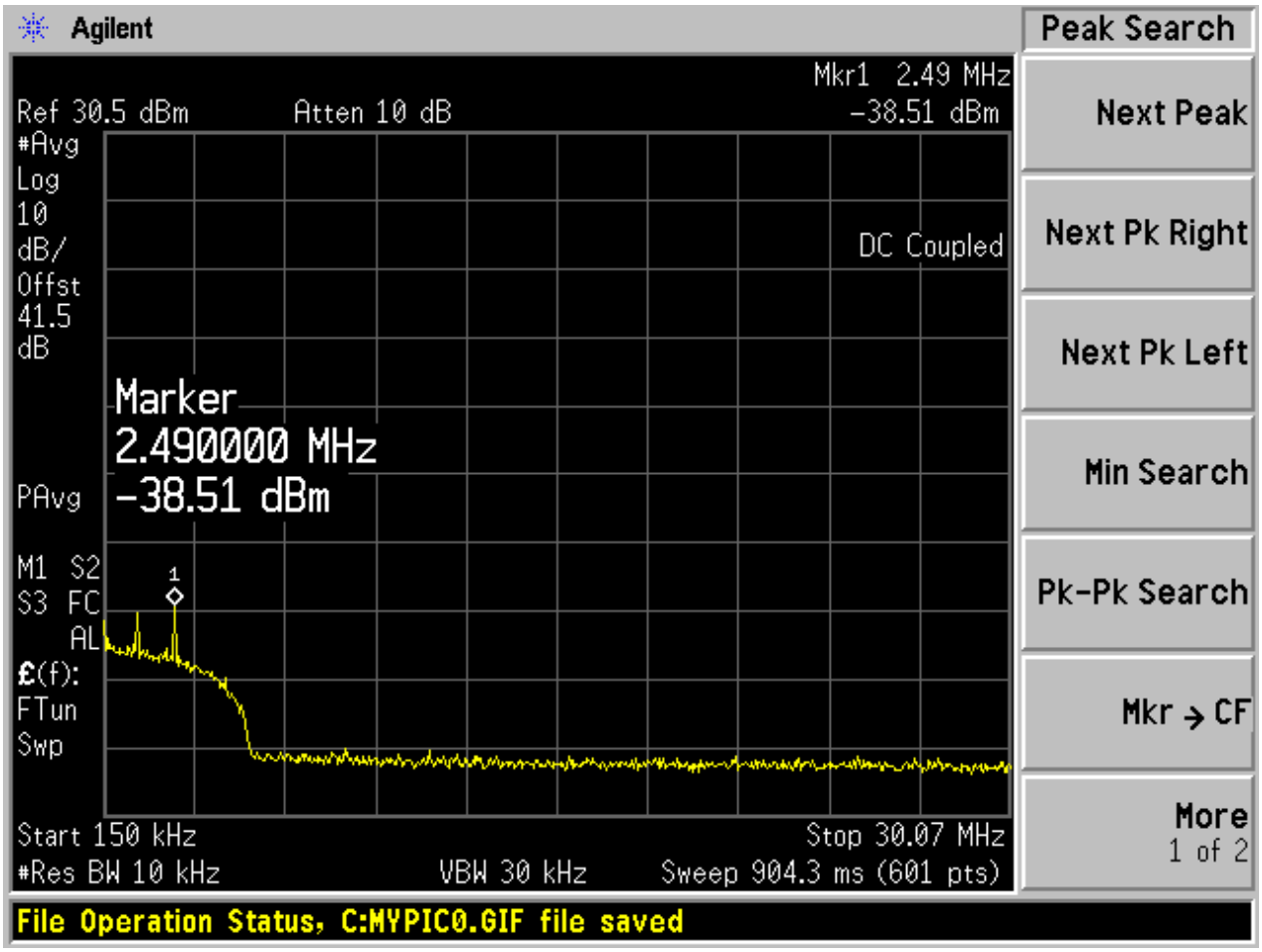

Agilent
Peak Search
Mkr1 150 kHz
Ref 25.5 dBm
Atten 10 dB
-45.50 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Next Peak
Next Pk Right
Next Pk Left
Min Search
Marker
150.000 kHz
-45.50 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved

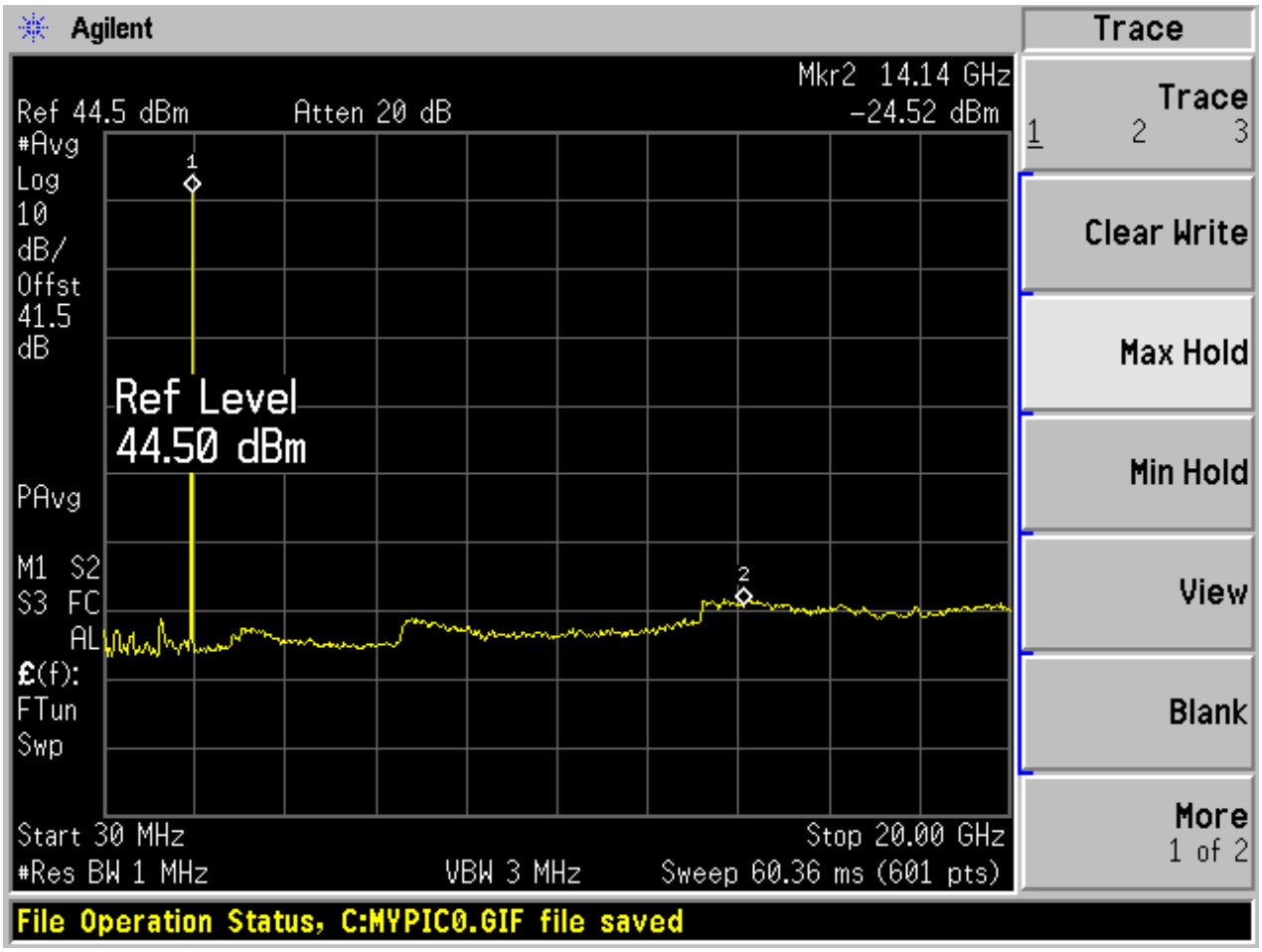

Agilent
Marker
Mkr2 13.68 GHz
Ref 48.5 dBm
Atten 20 dB
-23.40 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
Marker
13.680000000 GHz
-23.40 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 30 MHz
#Res BW 1 MHz
VBW 3 MHz
Stop 20.00 GHz
Sweep 60.36 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

(4) EVDO Four Carriers

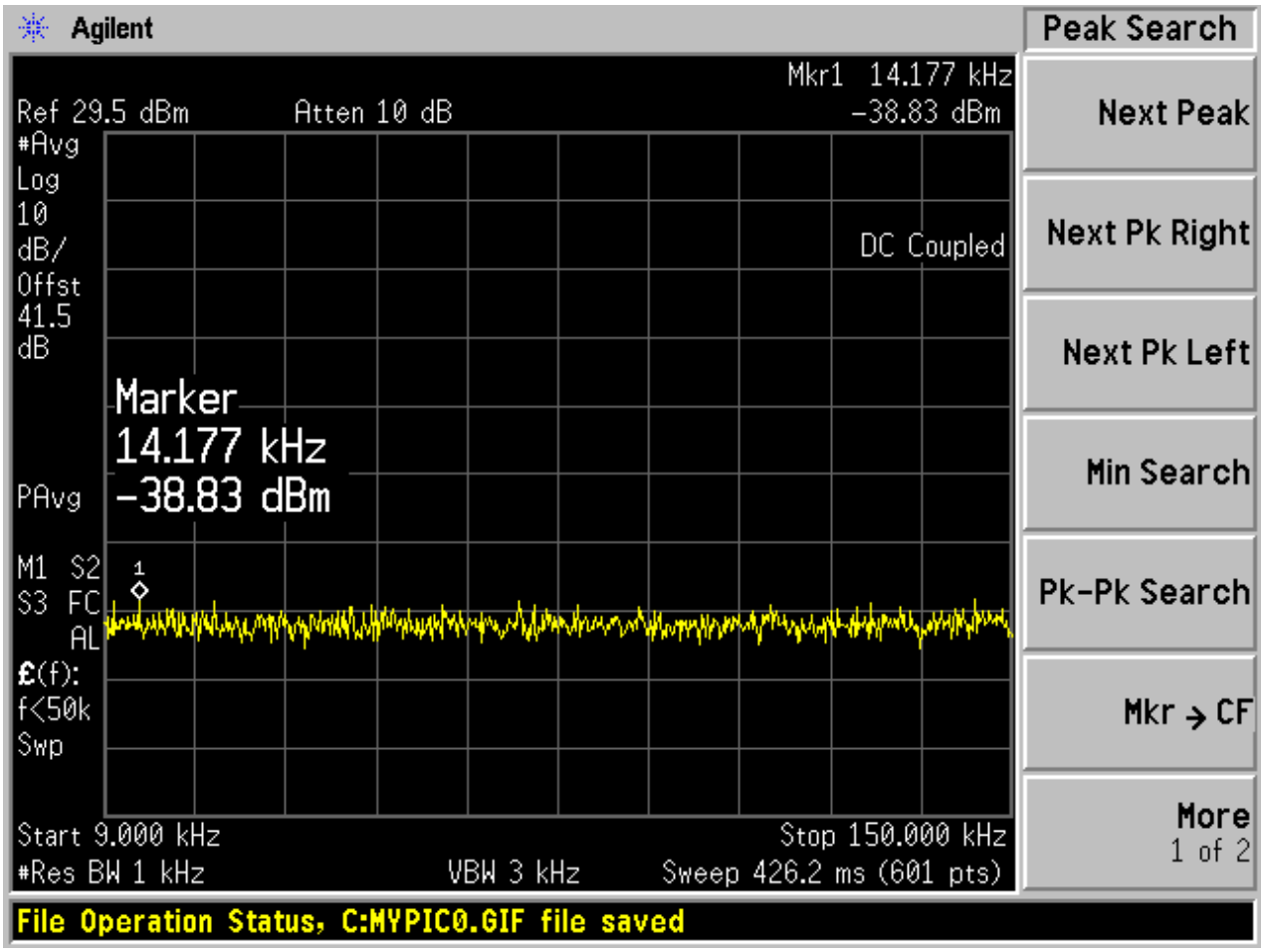
B channel

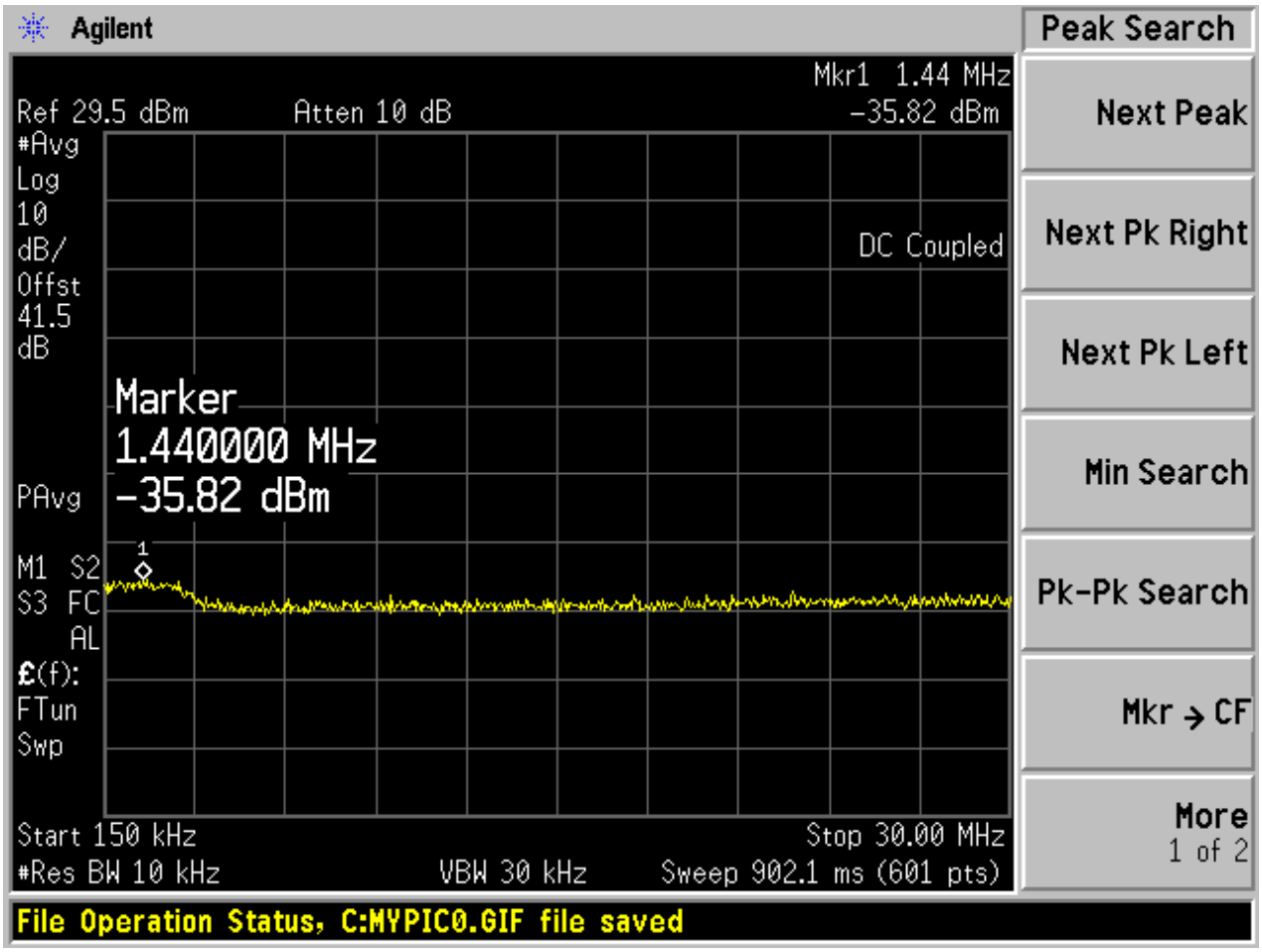


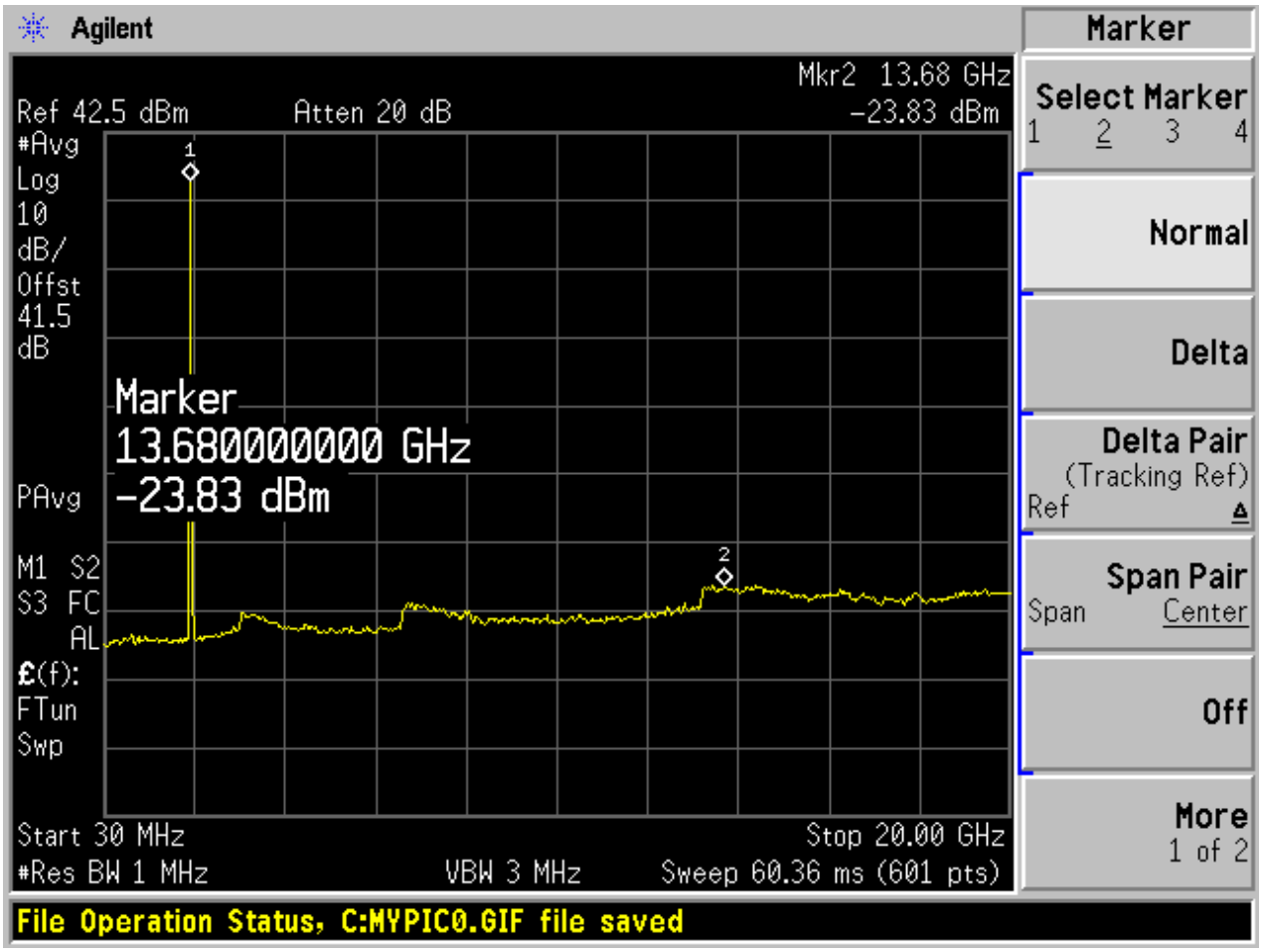

Agilent
Peak Search
Mkr1 2.49 MHz
Ref 30.5 dBm
Atten 10 dB
-38.51 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Next Peak
Next Pk Right
Next Pk Left
Min Search
Marker
2.490000 MHz
-38.51 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 150 kHz
Stop 30.07 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 904.3 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved


Agilent
Trace
Mkr2 14.14 GHz
Ref 44.5 dBm
Atten 20 dB
-24.52 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
Ref Level
44.50 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 30 MHz
#Res BW 1 MHz
VBW 3 MHz
Stop 20.00 GHz
Sweep 60.36 ms (601 pts)
Trace
1 2 3
Clear Write
Max Hold
Min Hold
View
Blank
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

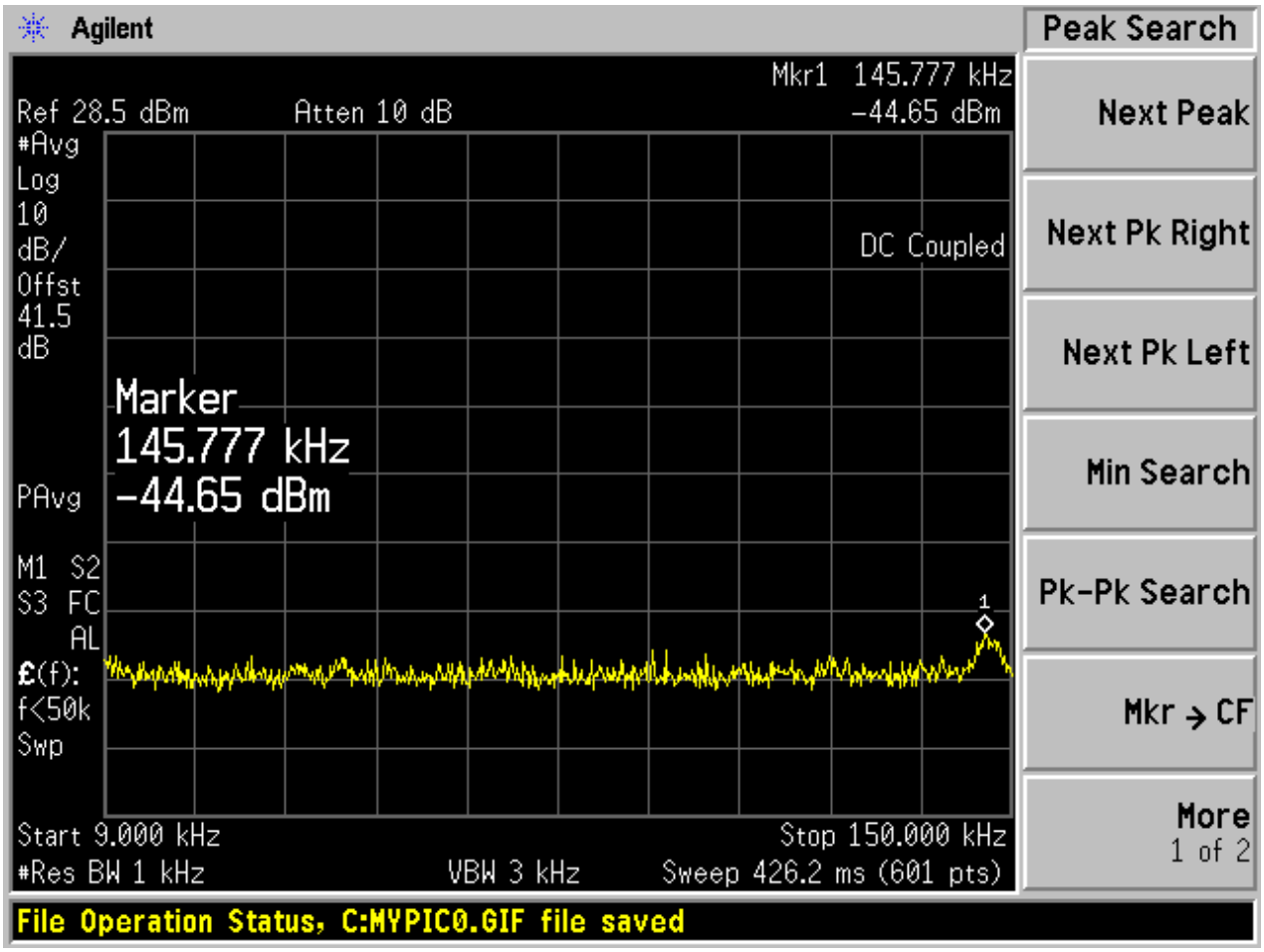
M channel

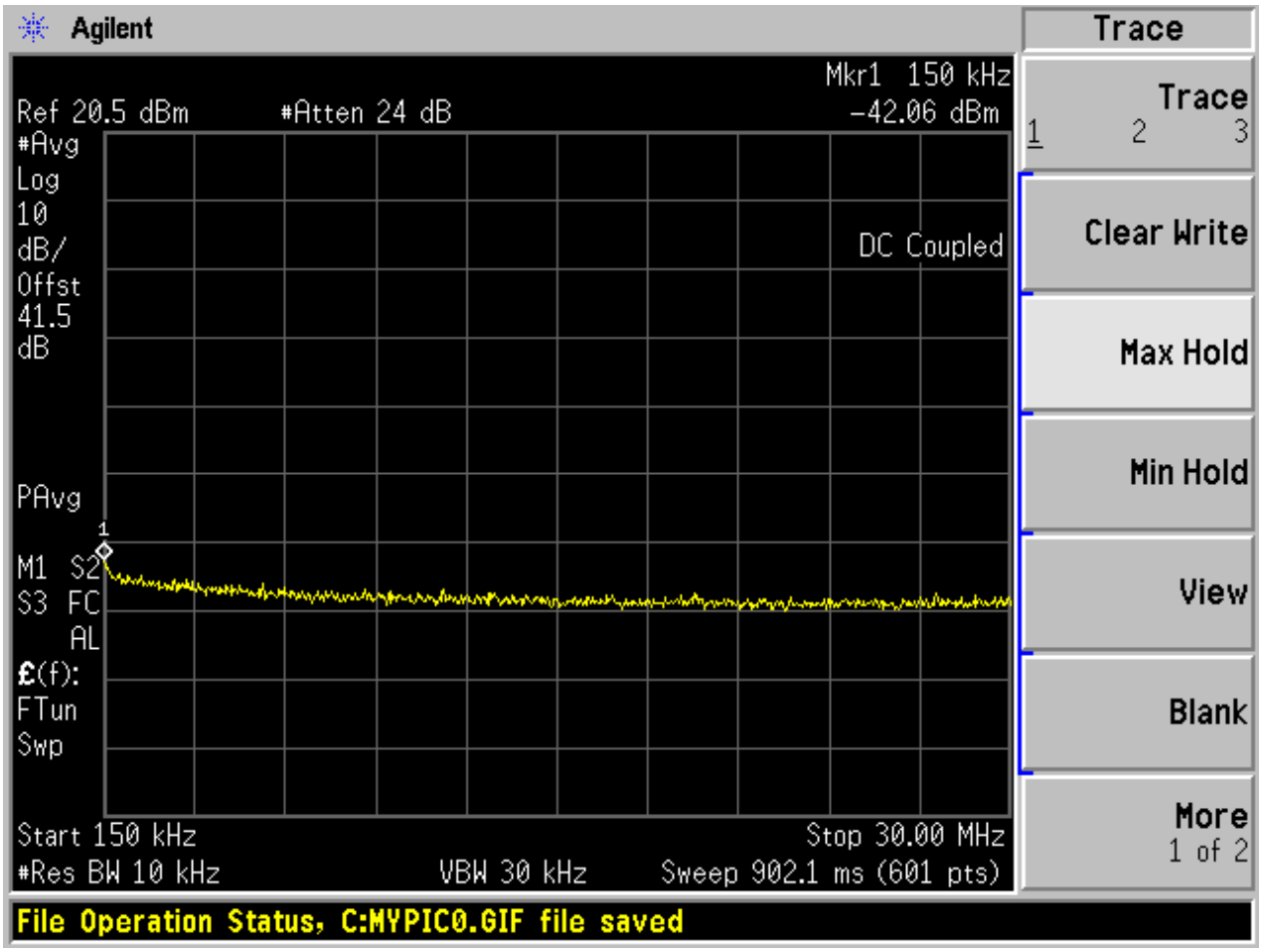

Agilent
Peak Search
Mkr1 14.177 kHz
Ref 29.5 dBm
Atten 10 dB
-38.83 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Marker
14.177 kHz
-38.83 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
f<50k
Swp
Start 9.000 kHz
Stop 150.000 kHz
#Res BW 1 kHz
VBW 3 kHz
Sweep 426.2 ms (601 pts)
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

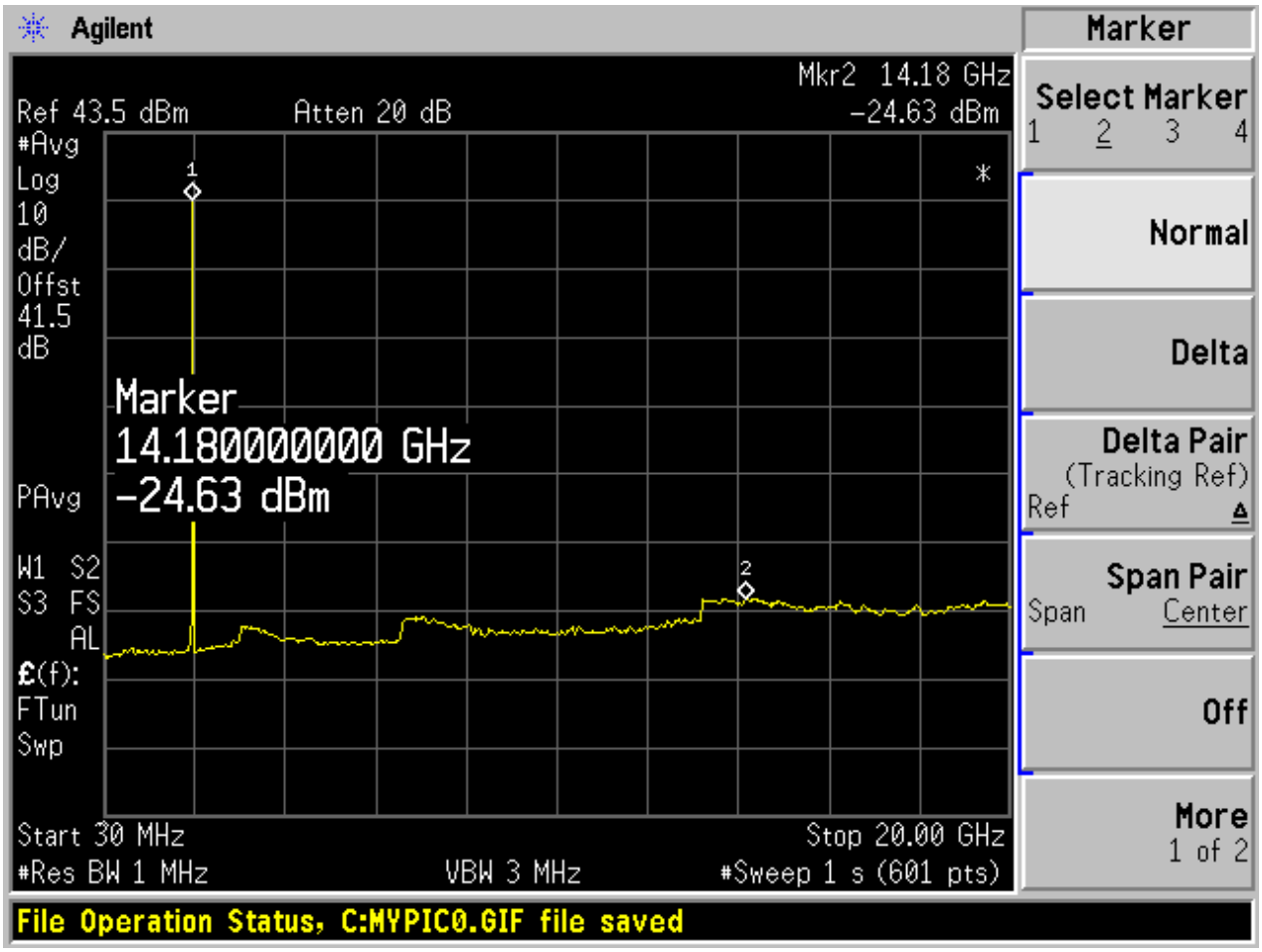

Agilent
Peak Search
Mkr1 1.44 MHz
Ref 29.5 dBm
Atten 10 dB
-35.82 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Marker
1.440000 MHz
-35.82 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved


Agilent
Marker
Mkr2 13.68 GHz
Ref 42.5 dBm
Atten 20 dB
-23.83 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
Marker
13.680000000 GHz
-23.83 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 30 MHz
Stop 20.00 GHz
#Res BW 1 MHz
VBW 3 MHz
Sweep 60.36 ms (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

T channel


Agilent
Peak Search
Mkr1 145.777 kHz
Ref 28.5 dBm
Atten 10 dB
-44.65 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Marker
145.777 kHz
-44.65 dBm
PAvg
M1 S2
S3 FC
AL
£(f):
f<50k
Swp
Start 9.000 kHz
Stop 150.000 kHz
#Res BW 1 kHz
VBW 3 kHz
Sweep 426.2 ms (601 pts)
File Operation Status, C:MYPIC0.GIF file saved


Agilent
Trace
Mkr1 150 kHz
Ref 20.5 dBm
#Atten 24 dB
-42.06 dBm
#Avg
Log
10
dB/
Offst
41.5
dB
DC Coupled
PAvg
M1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 150 kHz
Stop 30.00 MHz
#Res BW 10 kHz
VBW 30 kHz
Sweep 902.1 ms (601 pts)
Trace
1 2 3
Clear Write
Max Hold
Min Hold
View
Blank
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved


Agilent
Marker
Mkr2 14.18 GHz
-24.63 dBm
Ref 43.5 dBm
Atten 20 dB
#Avg
Log
10
dB/
Offst
41.5
dB
Marker
14.180000000 GHz
-24.63 dBm
PAvg
W1 S2
S3 FS
AL
£(f):
FTun
Swp
Start 30 MHz
#Res BW 1 MHz
VBW 3 MHz
Stop 20.00 GHz
#Sweep 1 s (601 pts)
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
File Operation Status, C:MYPIC0.GIF file saved

Appendix E

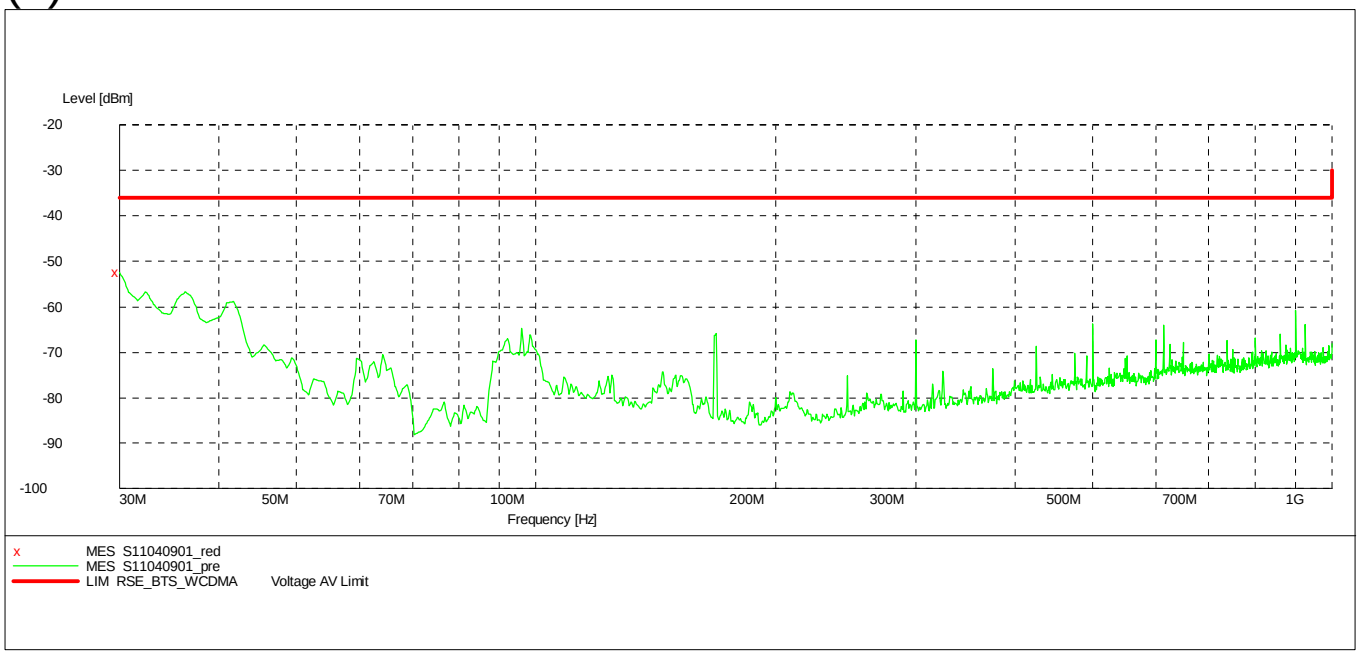
Field Strength of Spurious Radiation Measurement

According to FCC part 2.1053 and part 24.238

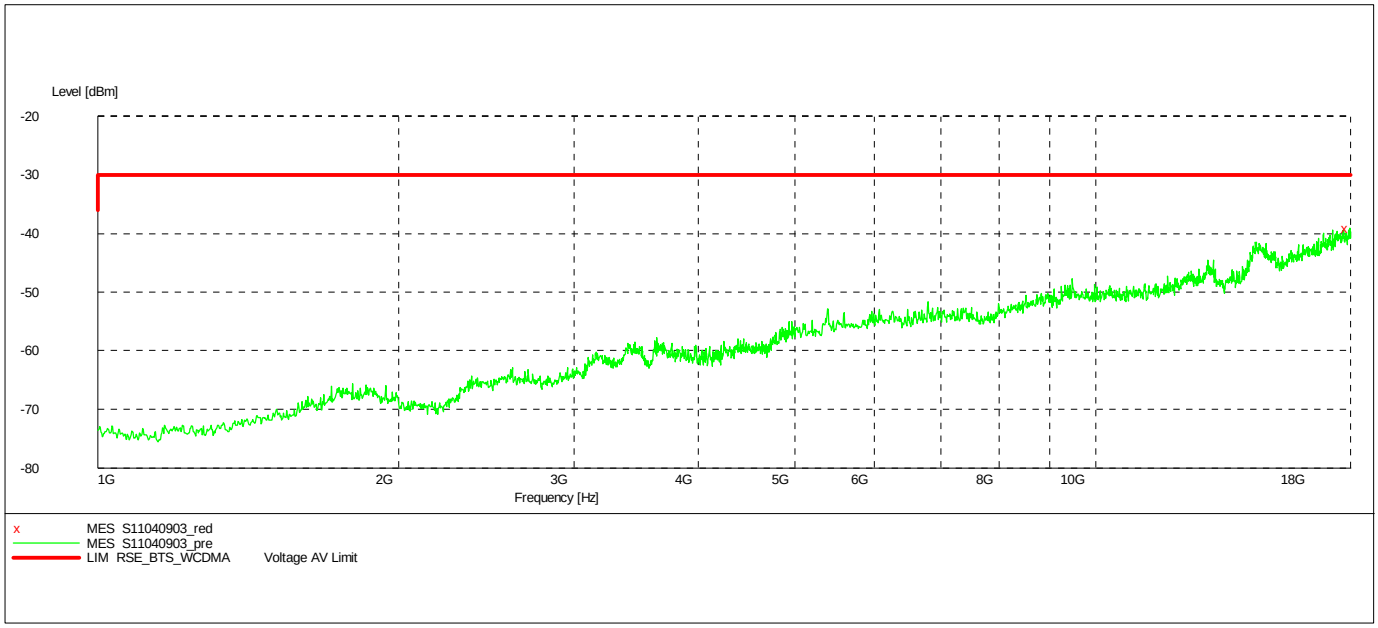
NOTE: a limit line that is stringent than FCC limit (-13dBm) is used in plot(s).

`

(1) Below 1GHz:



(2) Above 1GHz:

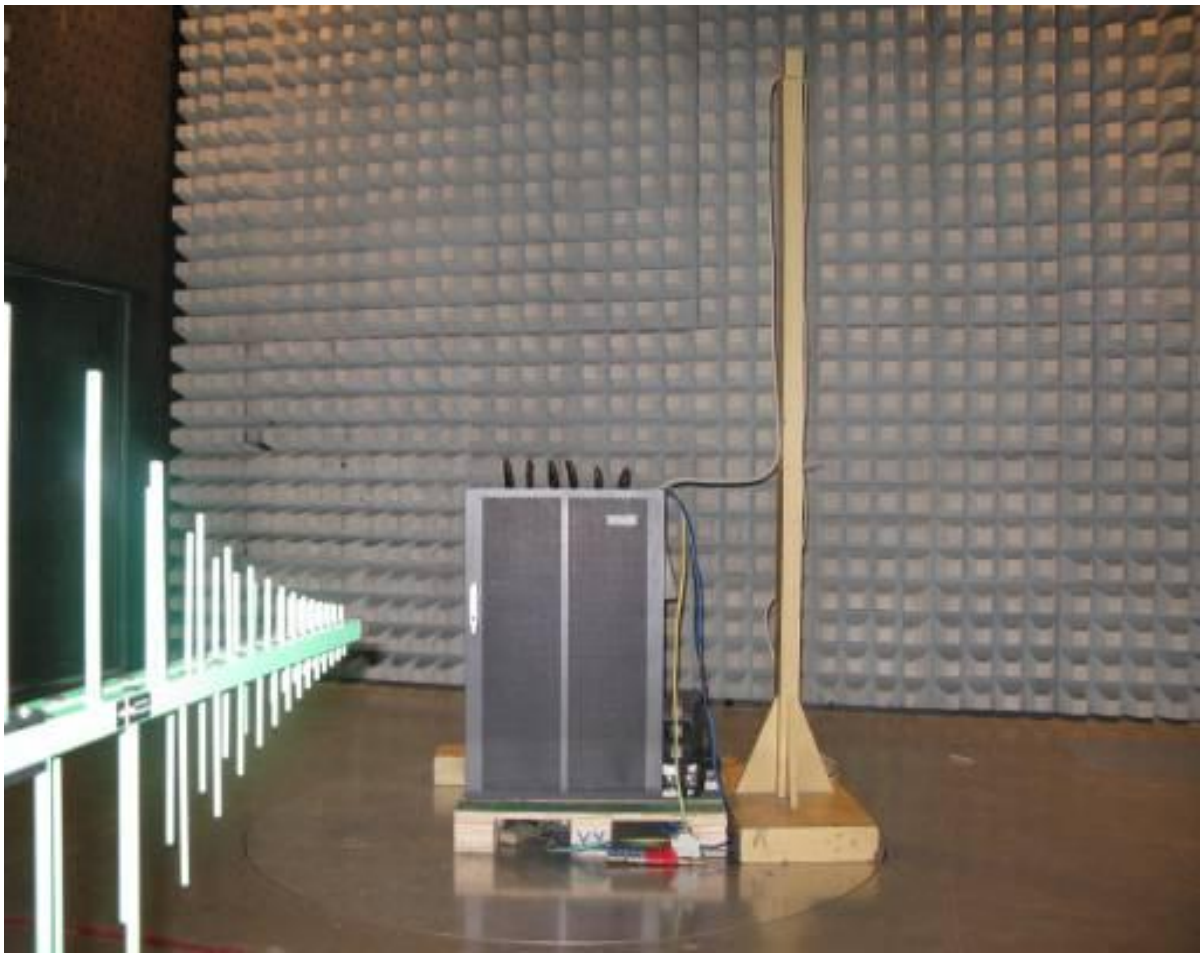

Level [dBm]
-20
-30
-40
-50
-60
-70
-80
1G
2G
3G
4G
5G
6G
8G
10G
18G
Frequency [Hz]
x MES S11040903_red
MES S11040903_pre
LIM RSE_BTS_WCDMA Voltage AV Limit

Appendix F

Photos of Test Setup

1. Photos for Radiated Spurious Emissions:

1) Radiated Spurious Disturbance (below 1GHz)



2) Radiated Spurious Disturbance (above 1GHz)

END