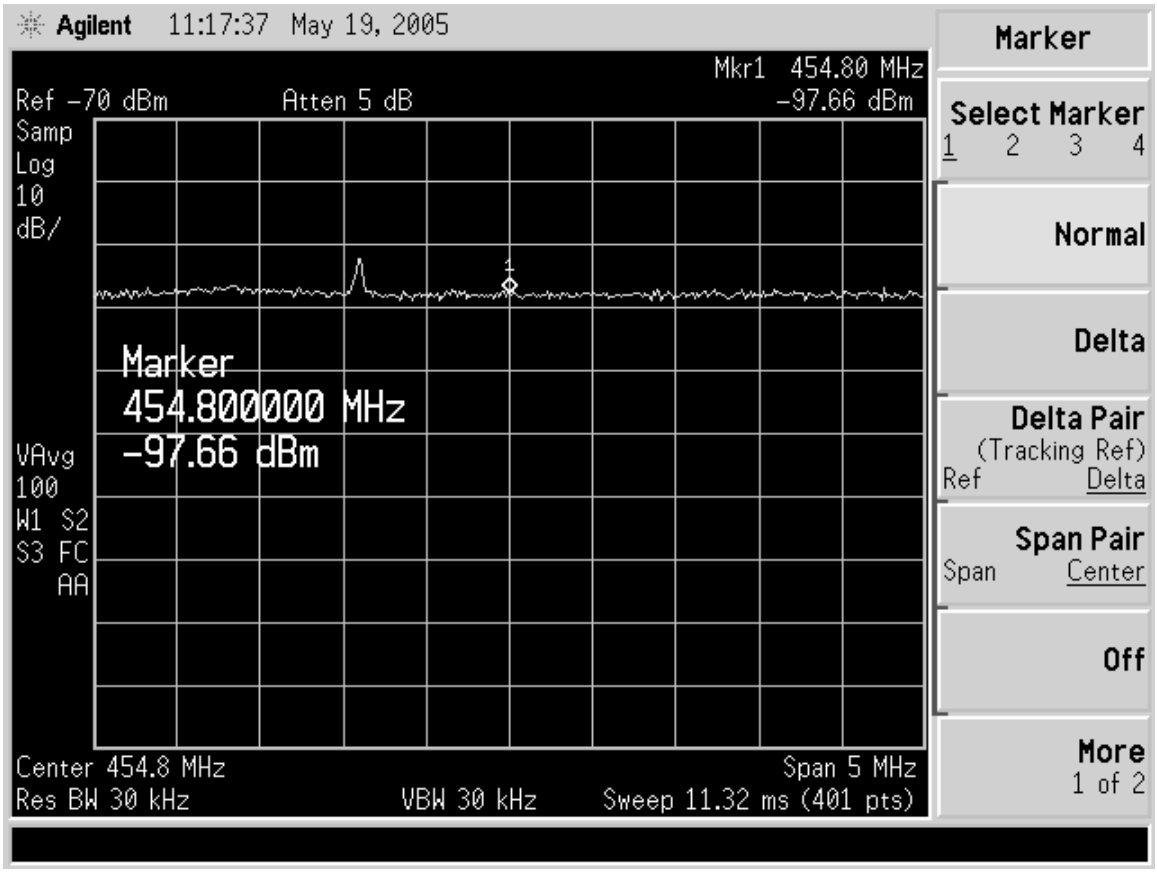
Interference Considerations:

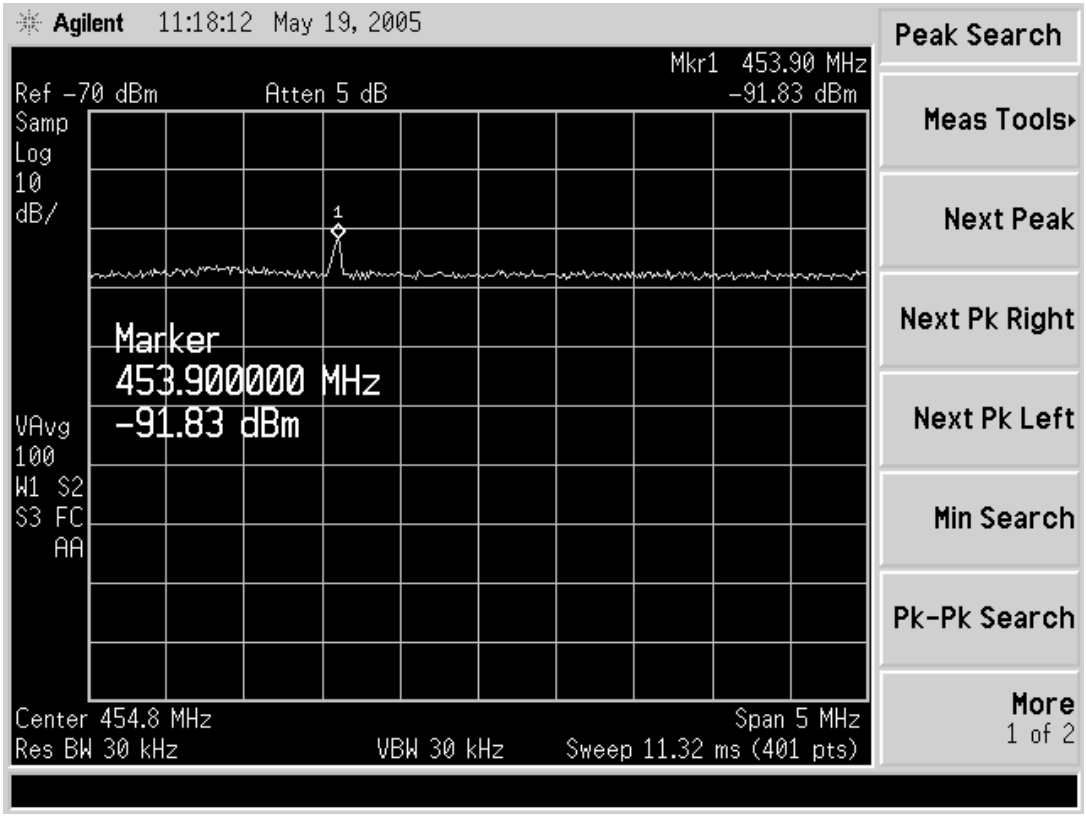
In order to identify the specific frequencies to be requested and avoid any potential interference, Flarion has performed several frequency sweeps at the proposed location for the transmitter. Spectrum analyzer plots of the sweeps are shown below. These plots demonstrate that the experimental equipment will not cause interference to any existing users.

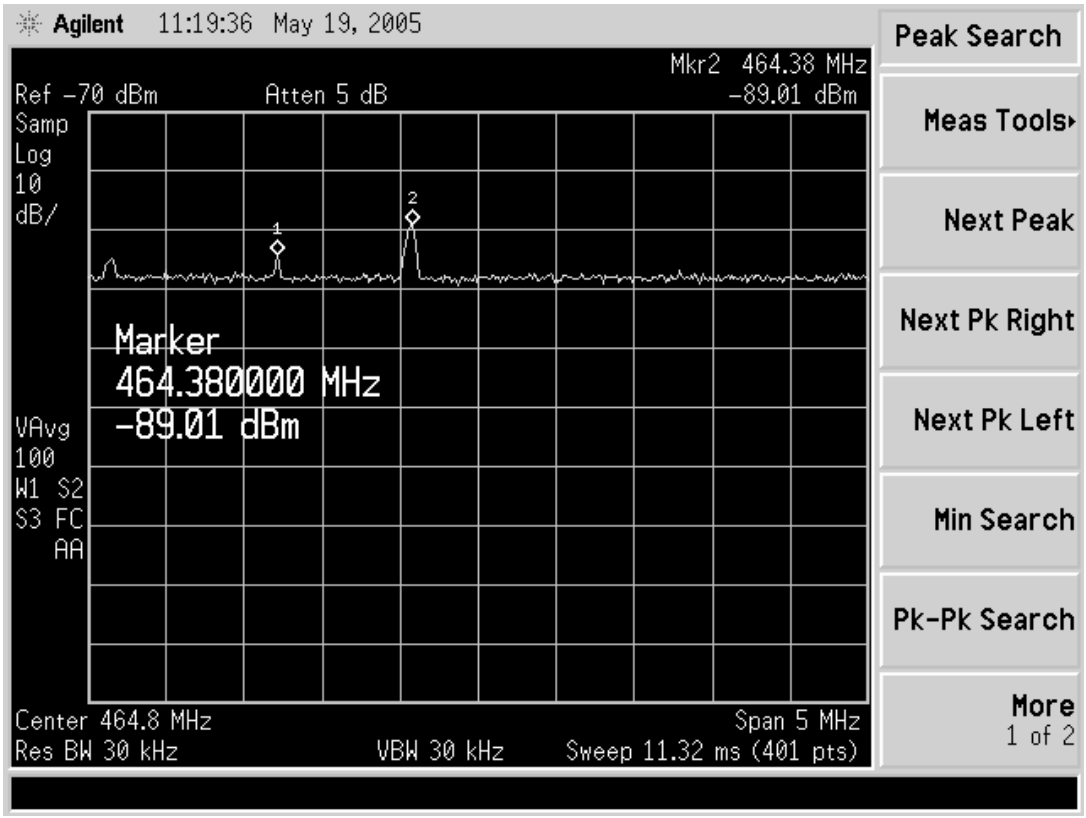
450 MHz frequency band test (NO Filter).

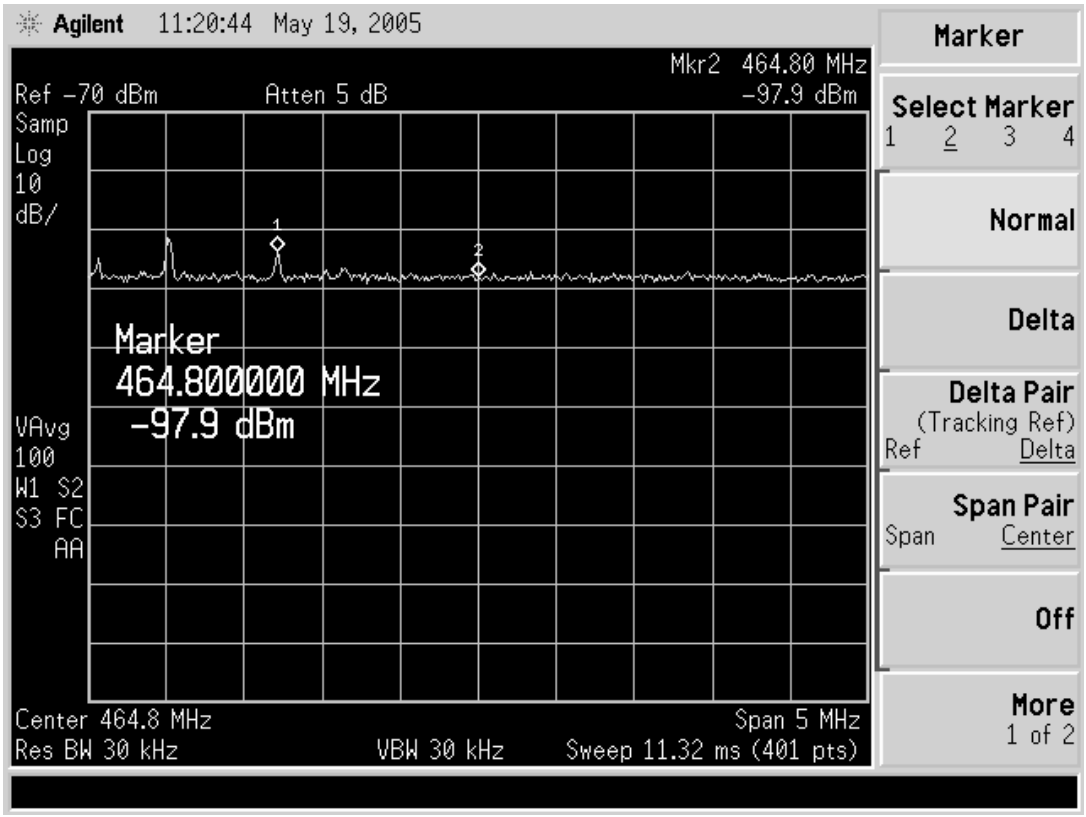
Test equipment;
450MHz Measurement antenna, Dipole G=2.15dBi
Amplifier G=28.7dB(cable loss included). NF= 2.8dB

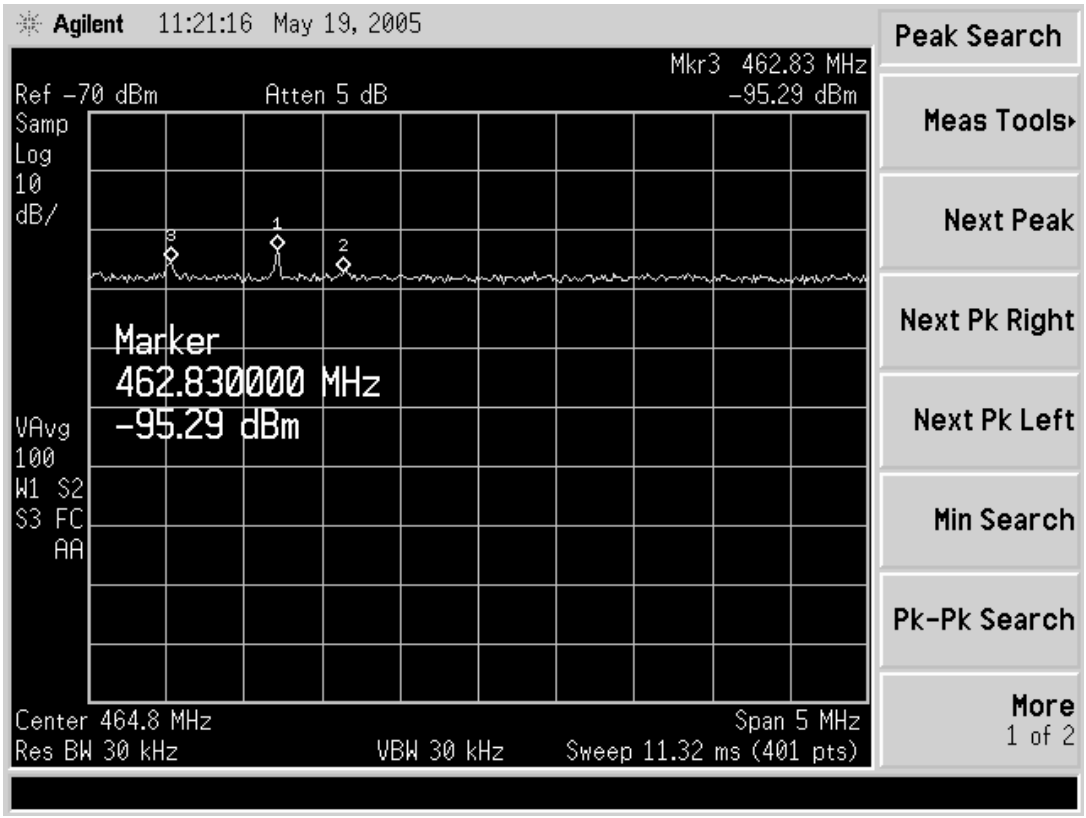
Front Parking Lot.



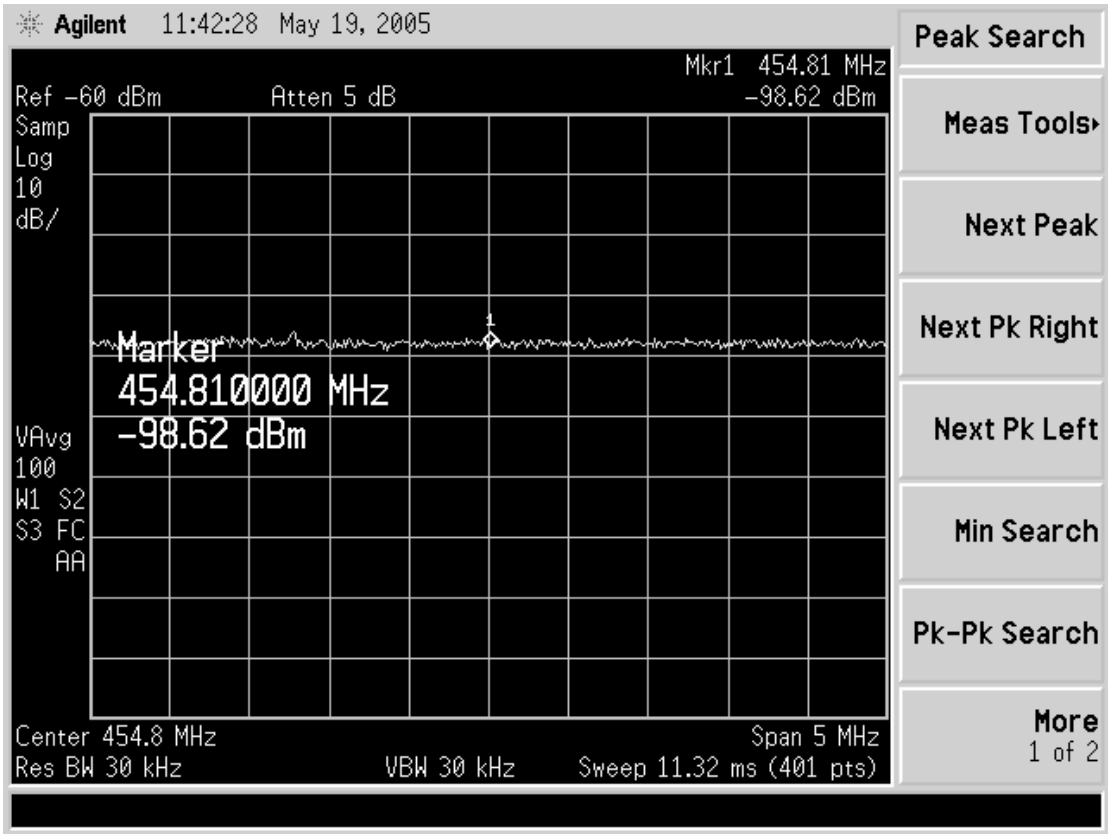

Agilent 11:18:12 May 19, 2005
Mkr1 453.90 MHz
Ref -70 dBm
Atten 5 dB
-91.83 dBm
Samp
Log
10
dB/
1
Marker
453.900000 MHz
-91.83 dBm
VAvg
100
W1 S2
S3 FC
AA
Center 454.8 MHz
Span 5 MHz
Res BW 30 kHz
VBW 30 kHz
Sweep 11.32 ms (401 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

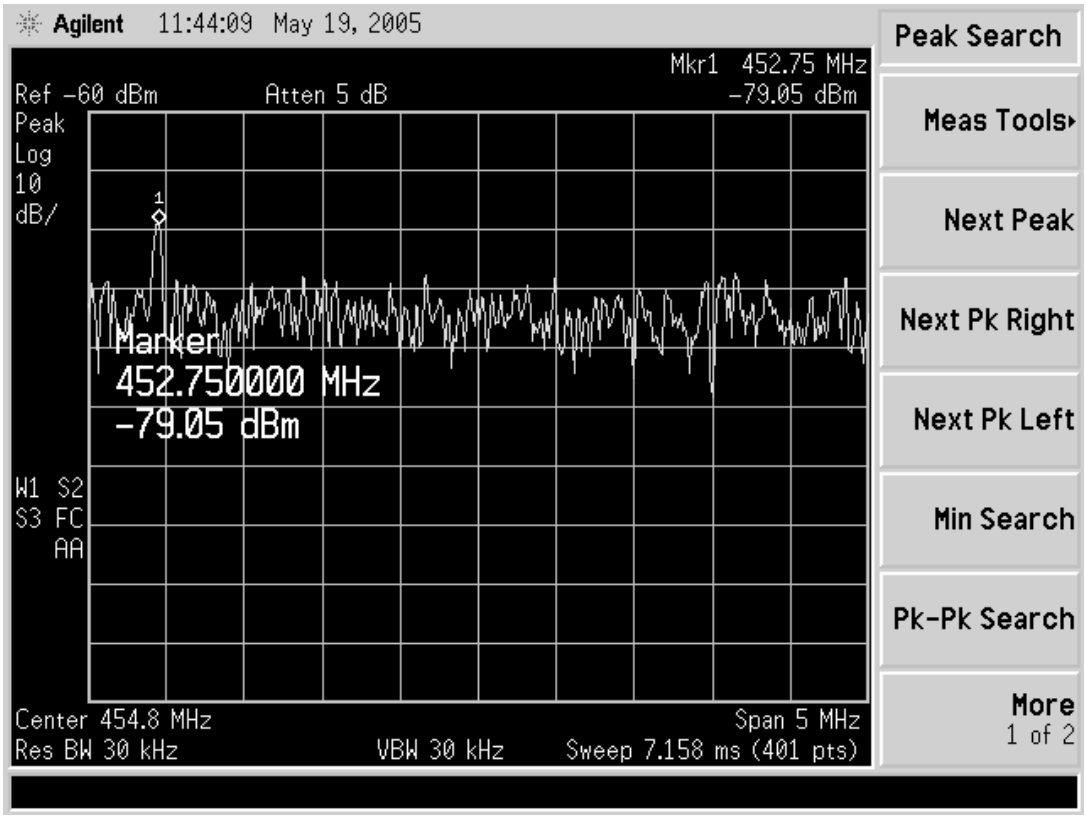

Agilent 11:19:36 May 19, 2005
Mkr2 464.38 MHz
Ref -70 dBm
Atten 5 dB
-89.01 dBm
Samp
Log
10
dB/
Marker
464.380000 MHz
-89.01 dBm
VAvg
100
W1 S2
S3 FC
AA
Center 464.8 MHz
Span 5 MHz
Res BW 30 kHz
VBW 30 kHz
Sweep 11.32 ms (401 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2

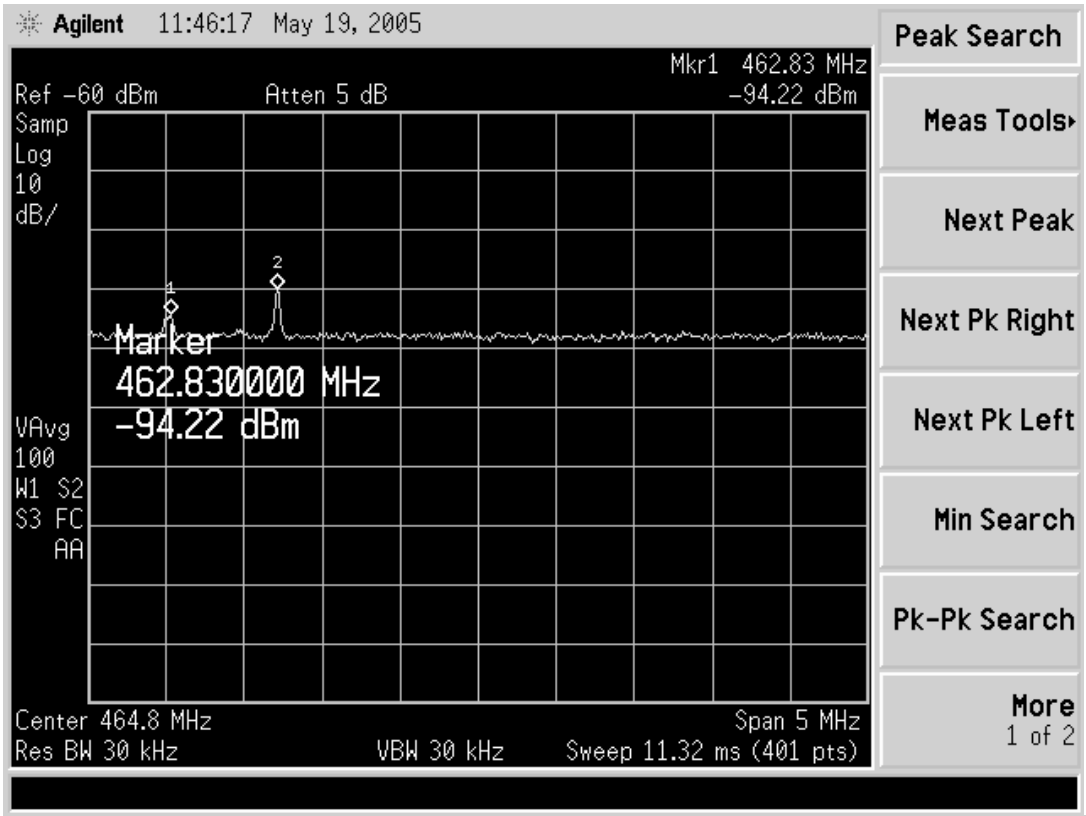

Agilent 11:20:44 May 19, 2005
Mkr2 464.80 MHz
Ref -70 dBm
Atten 5 dB
-97.9 dBm
Samp
Log
10
dB/
Marker
464.800000 MHz
-97.9 dBm
VAvg
100
W1 S2
S3 FC
AA
Center 464.8 MHz
Span 5 MHz
Res BW 30 kHz
VBW 30 kHz
Sweep 11.32 ms (401 pts)
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2

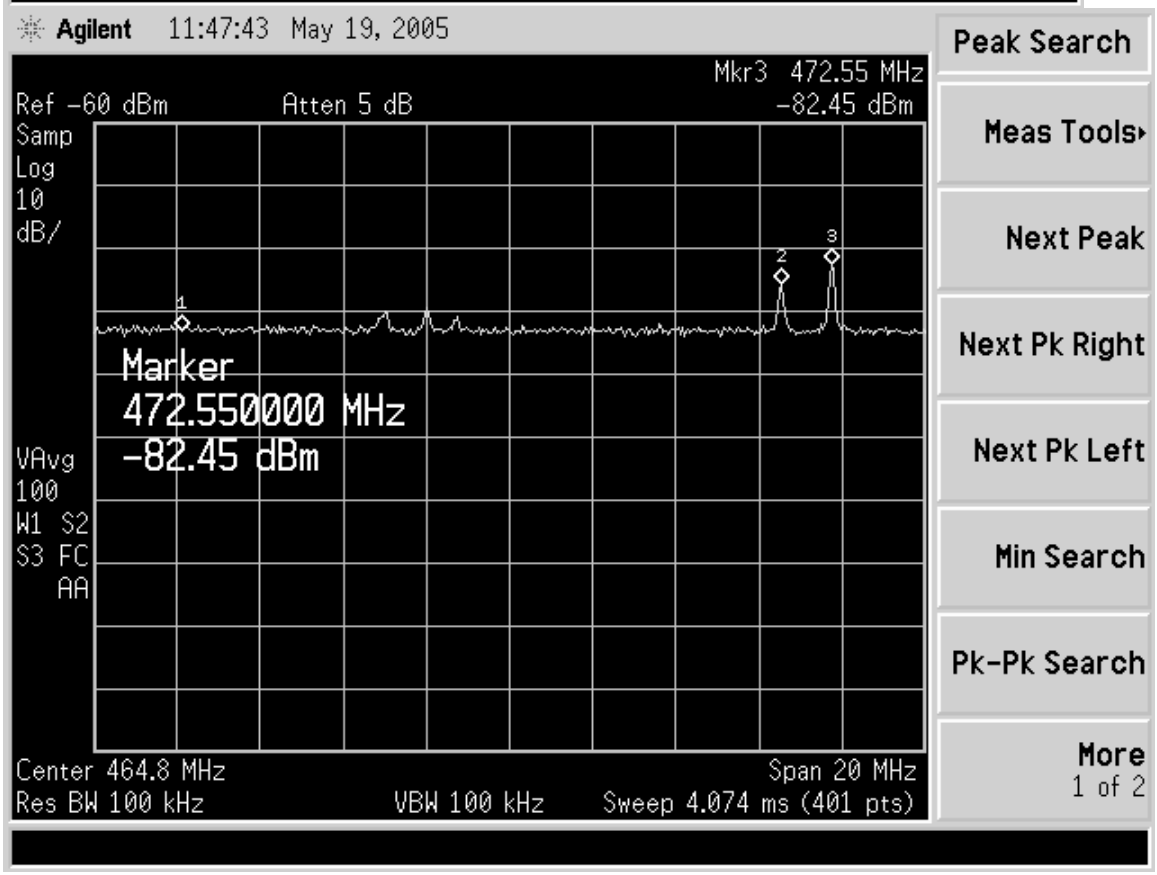


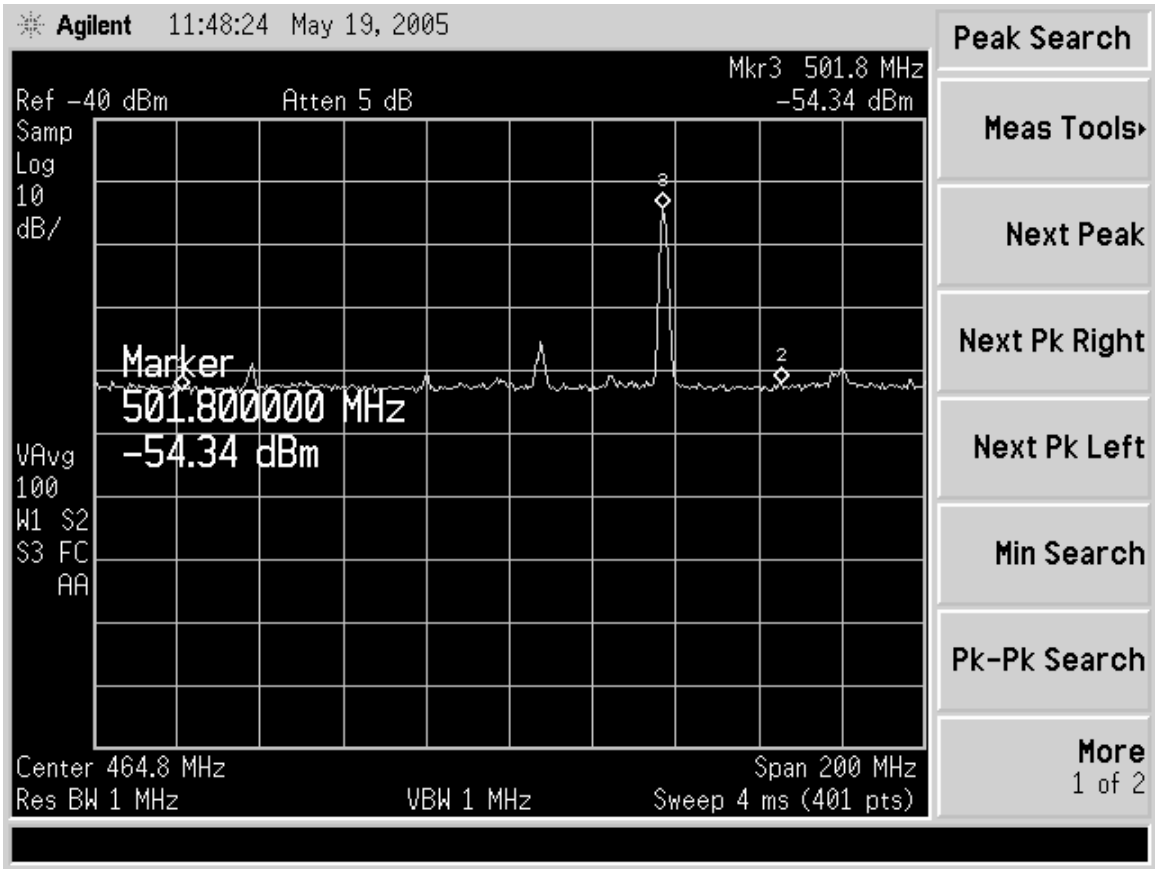
Back Parking Lot.


Agilent 11:42:28 May 19, 2005
Mkr1 454.81 MHz
Ref -60 dBm
Atten 5 dB
-98.62 dBm
Samp
Log
10
dB/
Marker
454.810000 MHz
-98.62 dBm
VAvg
100
W1 S2
S3 FC
AA
Center 454.8 MHz
Span 5 MHz
Res BW 30 kHz
VBW 30 kHz
Sweep 11.32 ms (401 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2


Agilent 11:44:09 May 19, 2005
Mkr1 452.75 MHz
Ref -60 dBm
Atten 5 dB
-79.05 dBm
Peak
Log
10
dB/
Marker
452.750000 MHz
-79.05 dBm
W1 S2
S3 FC
AA
Center 454.8 MHz
Span 5 MHz
Res BW 30 kHz
VBW 30 kHz
Sweep 7.158 ms (401 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2


Agilent 11:46:17 May 19, 2005
Mkr1 462.83 MHz
Ref -60 dBm
Atten 5 dB
-94.22 dBm
Samp
Log
10
dB/
Marker
462.830000 MHz
-94.22 dBm
VAvg
100
W1 S2
S3 FC
AA
Center 464.8 MHz
Span 5 MHz
Res BW 30 kHz
VBW 30 kHz
Sweep 11.32 ms (401 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2


Agilent 11:47:43 May 19, 2005
Mkr3 472.55 MHz
Ref -60 dBm
Atten 5 dB
-82.45 dBm
Samp
Log
10
dB/
Marker
472.550000 MHz
-82.45 dBm
VAvg
100
W1 S2
S3 FC
AA
Center 464.8 MHz
Span 20 MHz
Res BW 100 kHz
VBW 100 kHz
Sweep 4.074 ms (401 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2


Agilent 11:48:24 May 19, 2005
Mkr3 501.8 MHz
Ref -40 dBm
Atten 5 dB
-54.34 dBm
Samp
Log
10
dB/
Marker
501.800000 MHz
-54.34 dBm
VAvg
100
W1 S2
S3 FC
AA
Center 464.8 MHz
Span 200 MHz
Res BW 1 MHz
VBW 1 MHz
Sweep 4 ms (401 pts)
Peak Search
Meas Tools
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
More
1 of 2