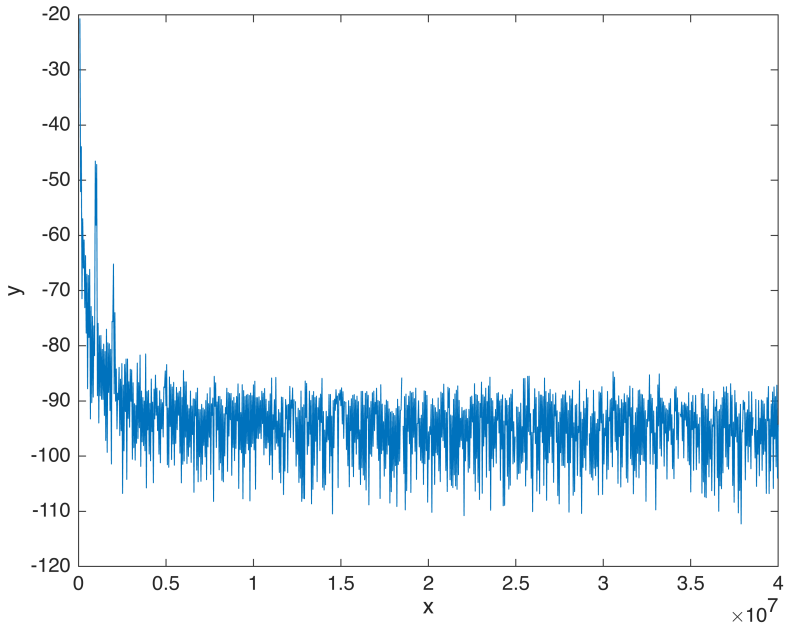
```
% Define the directory containing the CSV files
directory = '/Users/ohadformanair/Downloads/mixer_folder/MIXER_EH_LOOP_LO_FREQ';

% Get a list of all the CSV files in the directory
file_list = dir(fullfile(directory, '*.csv'));

% Loop over each file in the directory
for i = 1:length(file_list)
    % Get the filename
    filename = file_list(i).name;

    % Display the name of the file being processed
    fprintf('Processing file %s...\n', filename);

    % Call the Peaks_find function on the current file
    Peaks_find(directory, filename);
end
```

```
Processing file MIXER_EH_2.507GHZX3_16.00dbm_7.520GHZ_0dbm.csv...
```

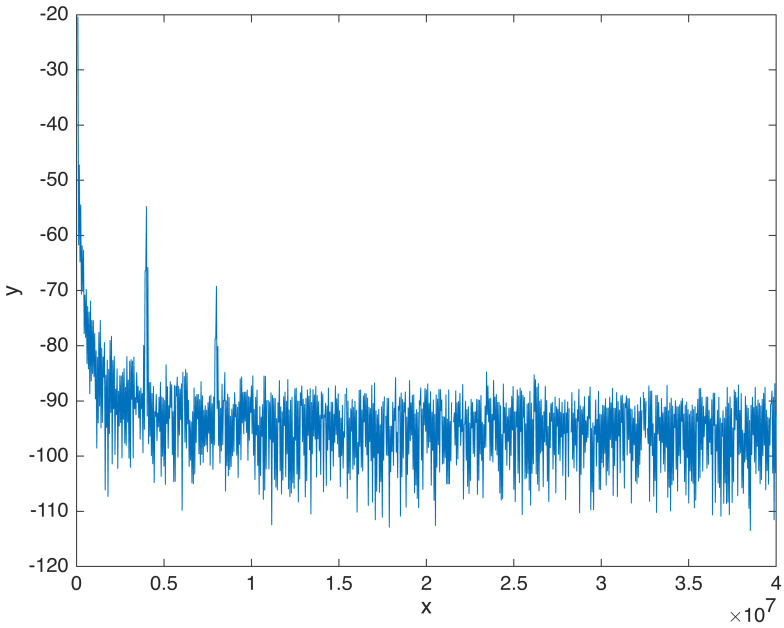


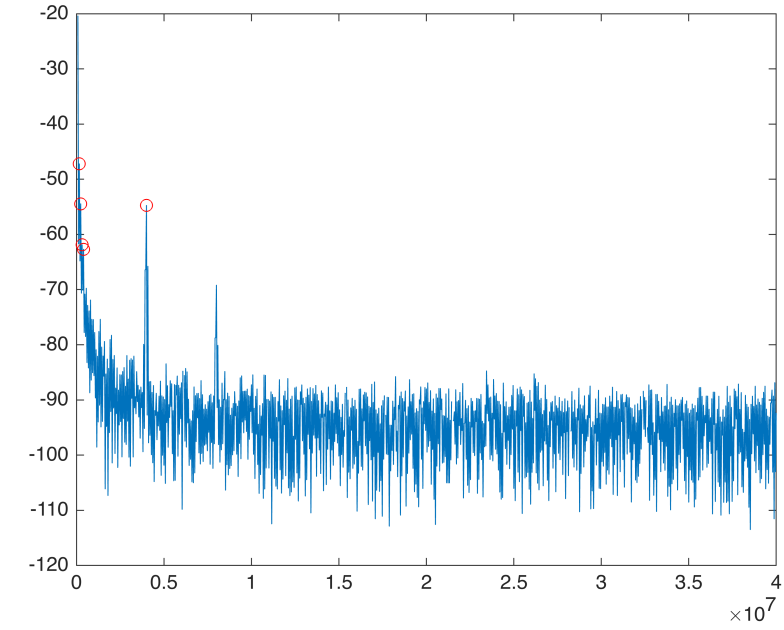
peak_table = 10×2 table

	x coor peak	y coor peak
1	160000	-43.8998
2	240000	-56.9709
3	320000	-60.8188
4	400000	-63.6504
5	480000	-67.0256
6	560000	-67.2505
7	640000	-66.1466

	x coor peak	y coor peak
8	960000	-46.5260
9	1040000	-47.1314
10	2000000	-65.1752

```
Processing file MIXER_EH_2.508GHZ_X3_16.00dbm_7.520GHZ_0dbm.csv...
```



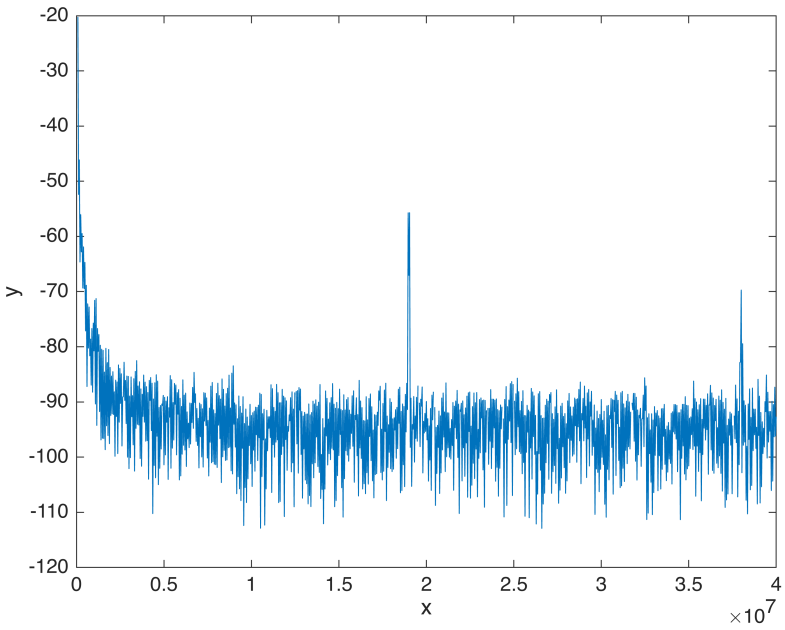


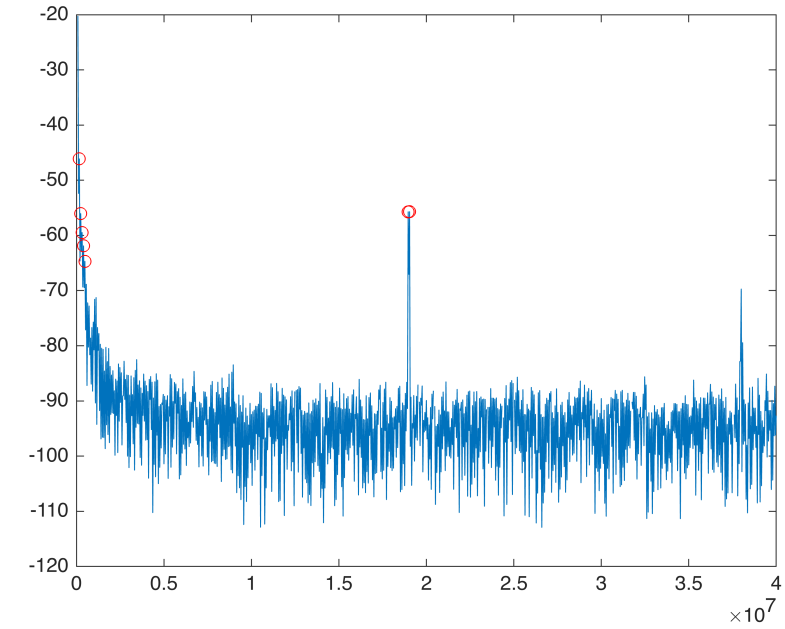

```
peak_table = 7×2 table
```

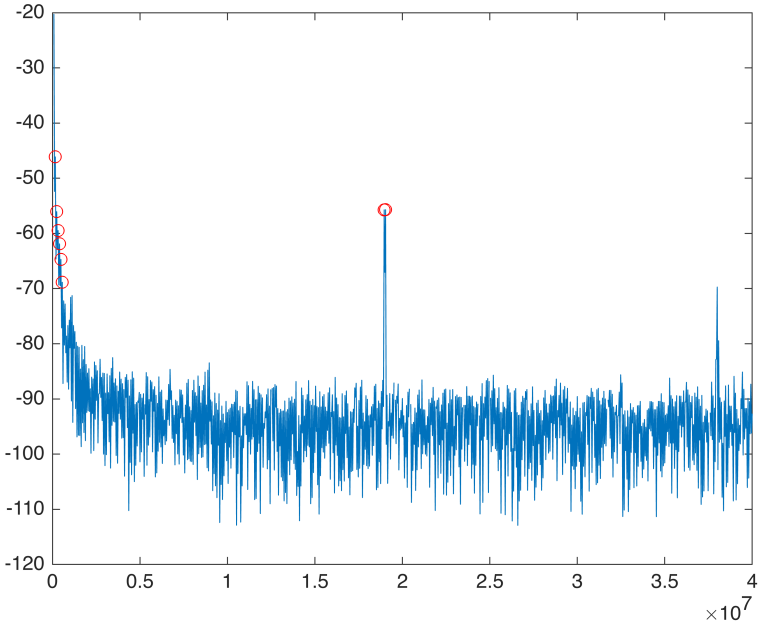
	x coor peak	y coor peak
1	160000	-47.2099
2	240000	-54.4537
3	320000	-61.8766

	x coor peak	y coor peak
4	400000	-62.6929
5	4000000	-54.7525
6	4080000	-65.7756
7	8000000	-69.2105

```
Processing file MIXER_EH_2.513GHZX3_16.00dbm_7.520GHZ_0dbm.csv...
```



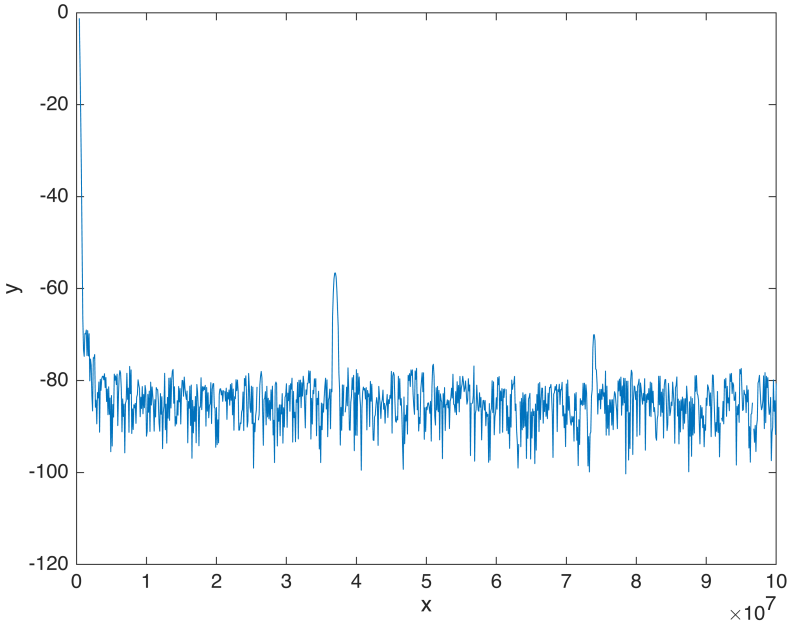


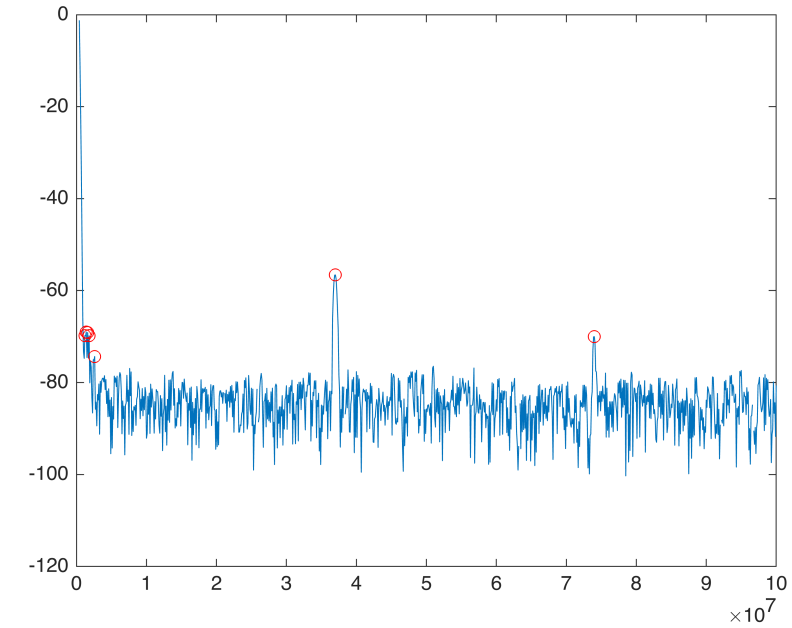


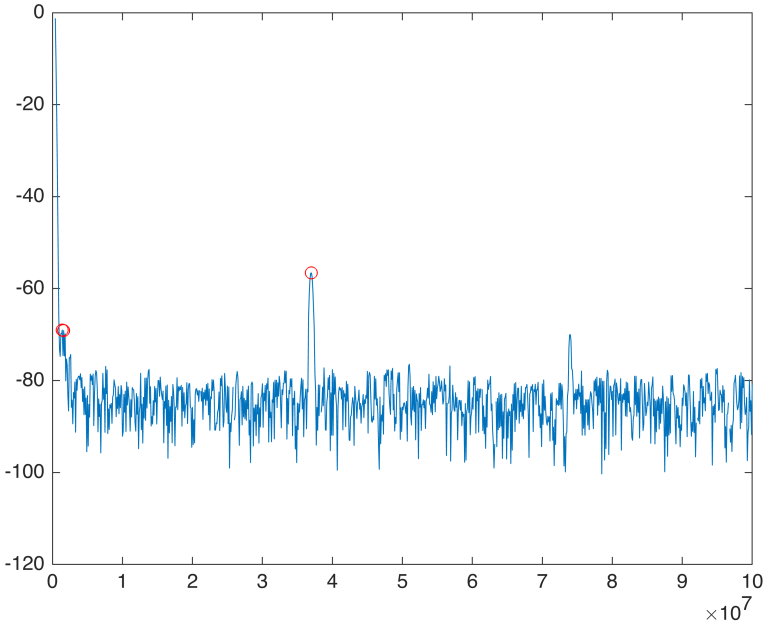
peak_table = 9×2 table

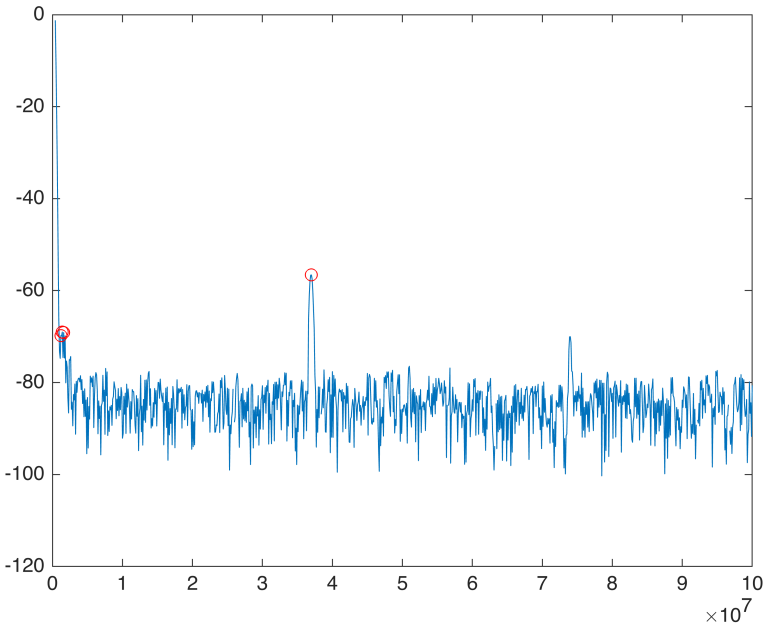
	x coor peak	y coor peak
1	160000	-46.1217
2	240000	-56.0582
3	320000	-59.4864
4	400000	-61.8947
5	480000	-64.7026
6	560000	-68.8568
7	18960000	-55.7175
8	19040000	-55.7101
9	38000000	-69.7150

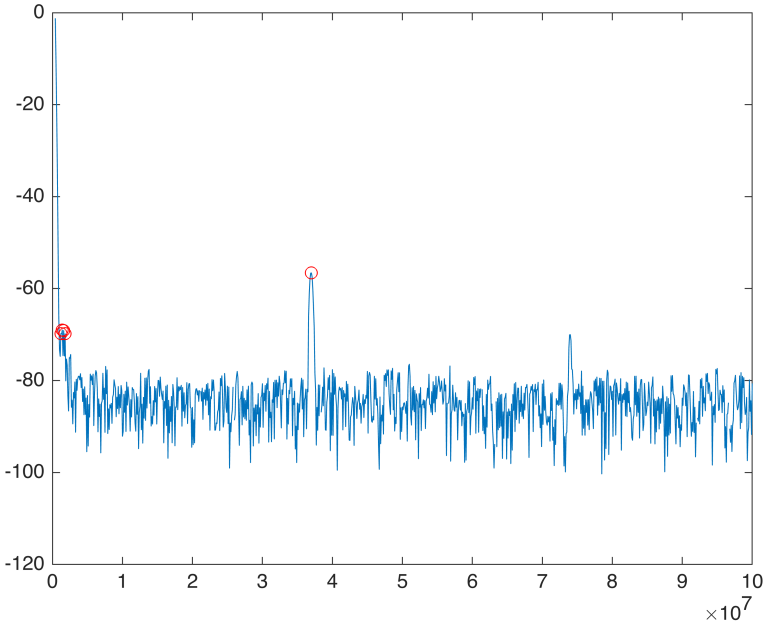
Processing file MIXER_EH_2.519GHZX3_16.00dbm_7.520GHZ_0dbm.csv...


0
-20
-40
-60
-80
-100
-120
y
0
1
2
3
4
5
6
7
8
9
10
x
×10^7


0
-20
-40
-60
-80
-100
-120
0
1
2
3
4
5
6
7
8
9
10
×10^7


0
-20
-40
-60
-80
-100
-120
0
1
2
3
4
5
6
7
8
9
10
×10^7

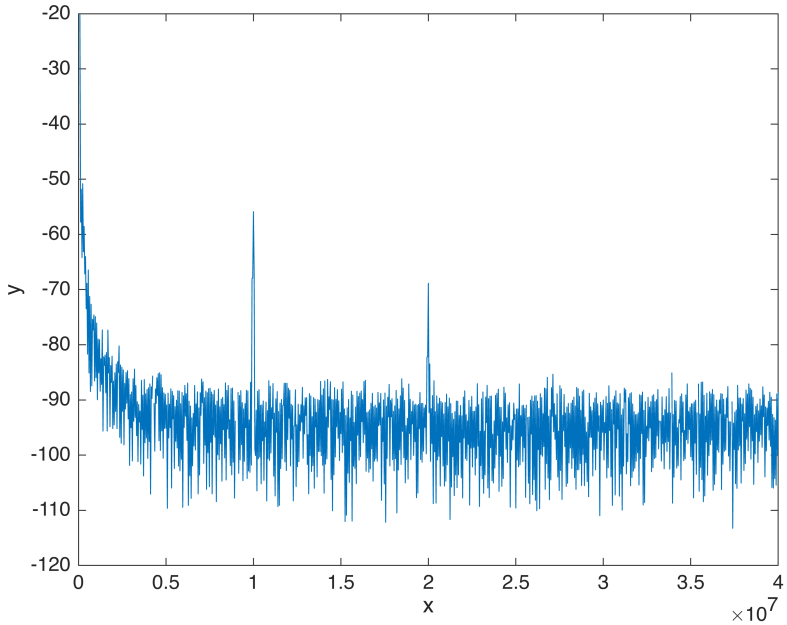

0
-20
-40
-60
-80
-100
-120
0
1
2
3
4
5
6
7
8
9
10
×10^7

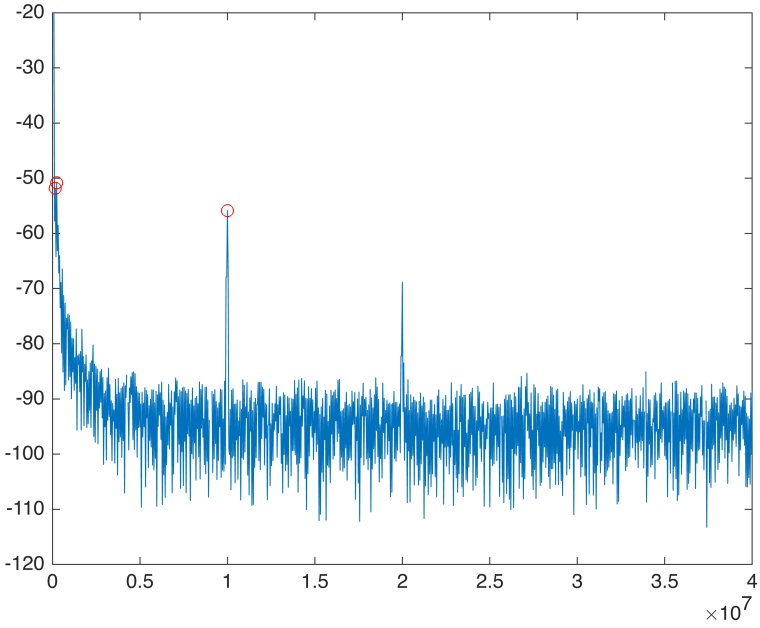


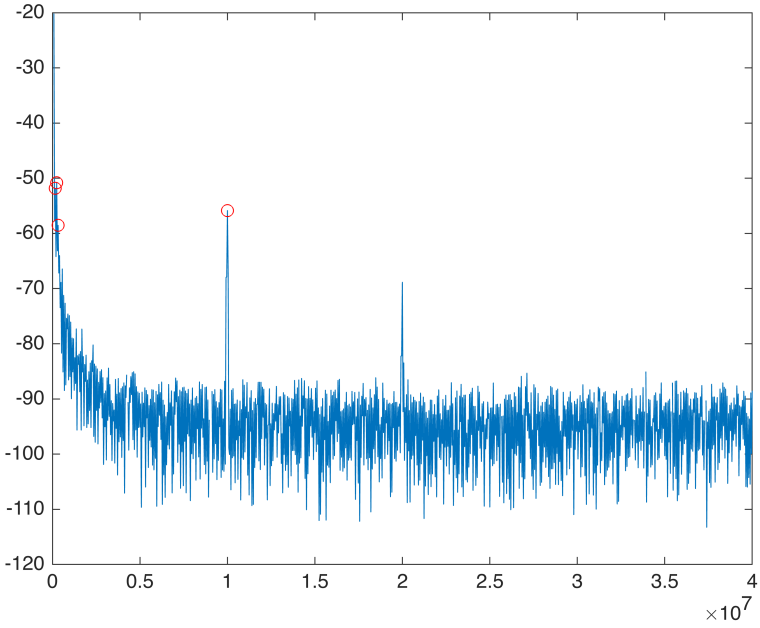
peak_table = 6×2 table

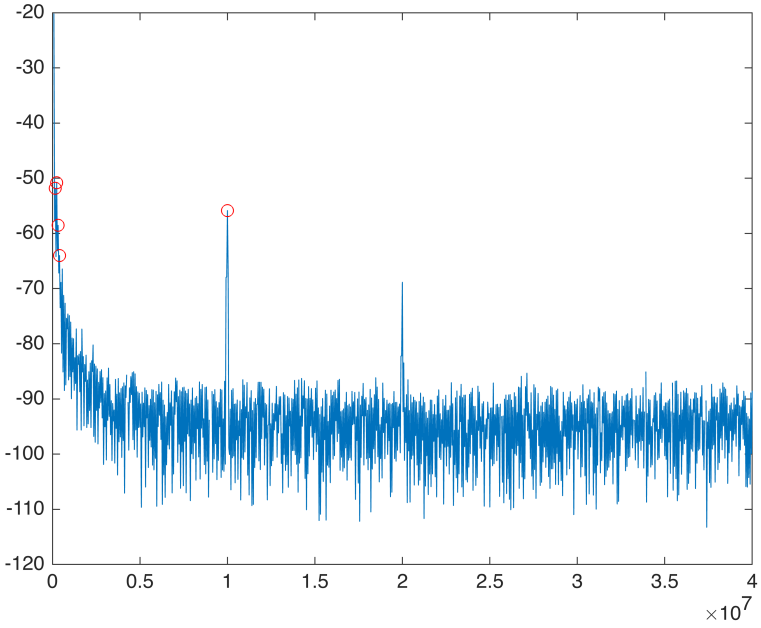
	x coor peak	y coor peak
1	1200000	-69.7790
2	1400000	-68.9939
3	1600000	-69.1262
4	1800000	-69.8130
5	37000000	-56.6016
6	74000000	-70.0234

Processing file MIXER_EH_2.51GHZX3_16.00dbm_7.520GHZ_0dbm.csv...




-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
0
0.5
1
1.5
2
2.5
3
3.5
4
×10^7


-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
0
0.5
1
1.5
2
2.5
3
3.5
4
×10^7



peak_table = 7×2 table

	x coor peak	y coor peak
1	160000	-51.8256
2	240000	-50.8027
3	320000	-58.5405
4	400000	-64.0021
5	560000	-66.4317
6	10000000	-55.8569
7	20000000	-68.8481