

```

% Define the directory containing the CSV files
directory = '/Users/ohadformanair/Downloads/mixer_folder/MIXER_Disapper_3rd_peak_RF_LO

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

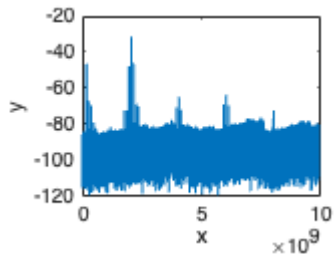
% Loop over each file in the directory
for i = 1:length(file_list)
    % Get the filename
    filename = file_list(i).name;

    % 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

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Processing file Mixer\_spectrum\_2Ghz\_0dbm\_100Mhz\_-10dbm.csv...

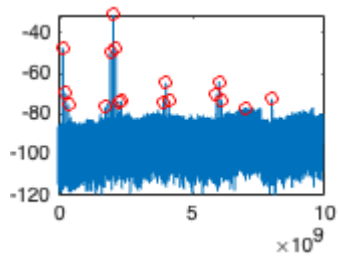
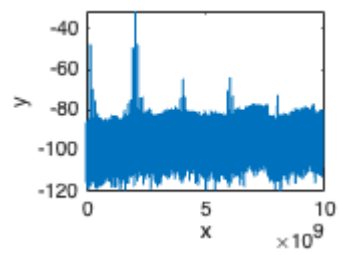


peak\_table = 17×2 table

	Frequency_GHz	Power_dBm
1	100000000	-46.2634
2	200000000	-66.9823
3	300000000	-69.3410
4	1.7000e+09	-72.1596
5	1.8000e+09	-72.2849
6	1.9000e+09	-47.7205
7	2.0000e+09	-31.2866
8	2.1000e+09	-46.0619
9	2.2000e+09	-68.7035
10	2.3000e+09	-69.9245
11	3.9000e+09	-70.6866
12	4.0000e+09	-64.7317
13	4.1000e+09	-71.9898
14	5.9000e+09	-68.9338

⋮

Processing file Mixer\_spectrum\_2Ghz\_0dbm\_100Mhz\_-11.3dbm.csv...

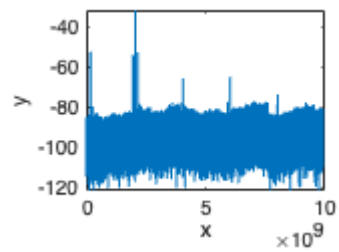


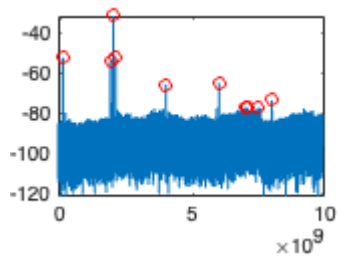
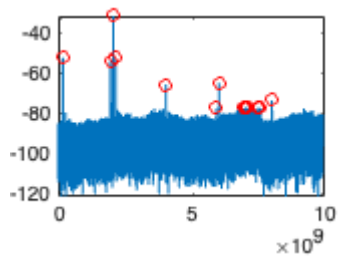
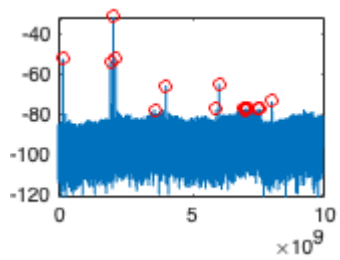
peak\_table = 16×2 table

	Frequency_GHz	Power_dBm
1	100000000	-47.6216
2	200000000	-69.5339
3	300000000	-75.3572
4	1.7000e+09	-76.5303
5	1.9000e+09	-49.2312
6	2.0000e+09	-31.2276
7	2.1000e+09	-47.5069
8	2.2000e+09	-73.8936
9	2.3000e+09	-73.5894
10	3.9000e+09	-74.1010
11	4.0000e+09	-64.5870
12	4.1000e+09	-73.2779
13	5.9000e+09	-70.2653
14	6.0000e+09	-63.9602

⋮

Processing file Mixer\_spectrum\_2Ghz\_0dbm\_100Mhz\_-15.6dbm.csv...



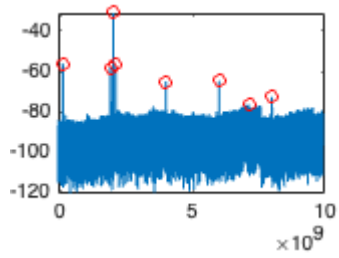
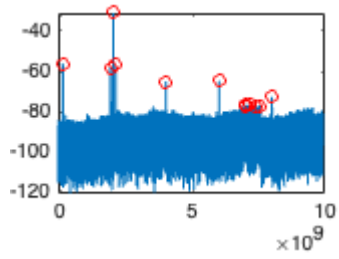
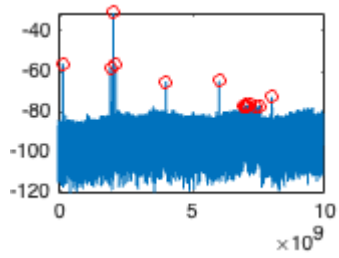
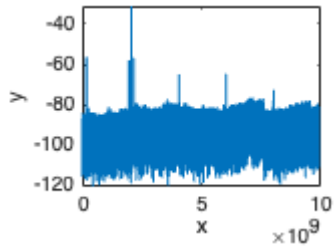


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peak_table = 15x2 table
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	Frequency_GHz	Power_dBm
1	100000000	-51.8910
2	1.9000e+09	-53.7545
3	2.0000e+09	-31.1151
4	2.1000e+09	-52.0257
5	3.5600e+09	-77.2714
6	4.0000e+09	-65.2416
7	5.9000e+09	-76.9160
8	6.0000e+09	-64.5435
9	6.9600e+09	-77.0289
10	6.9800e+09	-76.8509
11	7.0400e+09	-76.8508
12	7.0600e+09	-76.7087
13	7.4800e+09	-76.8254
14	7.5000e+09	-76.9513

⋮

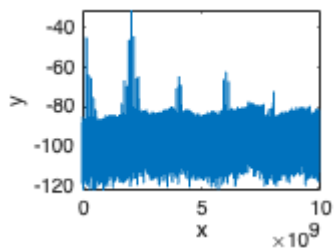
Processing file Mixer\_spectrum\_2Ghz\_0dbm\_100Mhz\_-20dbm.csv...



peak\_table = 7x2 table

	Frequency_GHz	Power_dBm
1	100000000	-56.1026
2	1.9000e+09	-57.9871
3	2.0000e+09	-31.0828
4	2.1000e+09	-56.7059
5	4.0000e+09	-64.9254
6	6.0000e+09	-64.6771
7	8.0000e+09	-72.5840

Processing file Mixer\_spectrum\_2Ghz\_0dbm\_100Mhz\_-8.70dbm.csv...

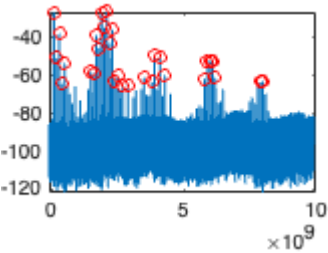
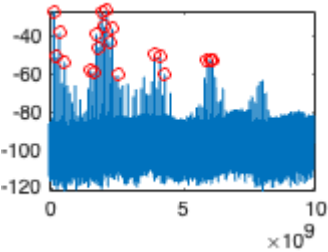
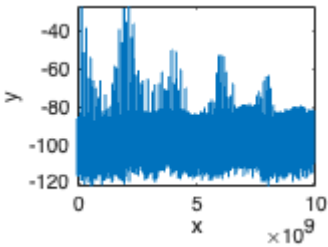


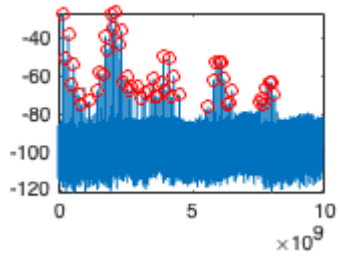
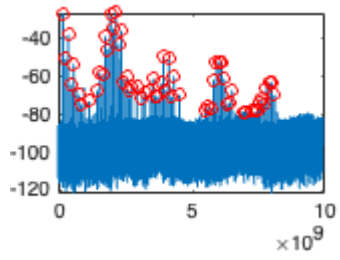
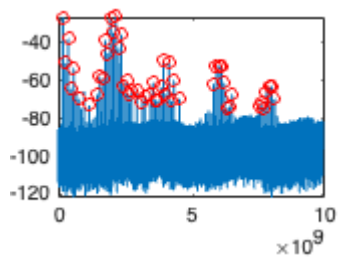
peak\_table = 17x2 table

	Frequency_GHz	Power_dBm
1	100000000	-45.0400
2	200000000	-63.7153
3	300000000	-65.1319
4	1.7000e+09	-66.5364
5	1.8000e+09	-69.1699
6	1.9000e+09	-46.1466
7	2.0000e+09	-31.3969
8	2.1000e+09	-44.5449
9	2.2000e+09	-65.2277
10	2.3000e+09	-64.6273
11	3.9000e+09	-70.3158
12	4.0000e+09	-64.5569
13	4.1000e+09	-68.6423
14	5.9000e+09	-66.0937

⋮

Processing file Mixer\_spectrum\_2Ghz\_0dbm\_100Mhz\_0dbm.csv...





peak\_table = 54x2 table

	Frequency_GHz	Power_dBm
1	100000000	-26.7359
2	200000000	-50.7807
3	300000000	-37.8570
4	400000000	-64.4458
5	500000000	-53.4983
6	700000000	-69.4921
7	800000000	-74.7395
8	1.1000e+09	-73.0203
9	1.4000e+09	-67.2408
10	1.5000e+09	-57.9812
11	1.6000e+09	-58.9750
12	1.7000e+09	-38.7129
13	1.8000e+09	-45.6245
14	1.9000e+09	-27.6414

⋮

Component RF: 2 GHz, 0 dBm LO: 10

