
```
% Find minimum noise the decoder can deal with
% Author: Stephen Xie

% variable for percent checking
snrAcc = zeros(1, 20);

% for each snr value:
for i=1:1:20
    % run this many times
    for j = 1:1:100
        % Generates dial up tone

        xx = dtmfdial('01205978436', i);

        keys = dtmfrun(xx, 200, 8000);
        if isequal(keys,
            ["0", "1", "2", "0", "5", "9", "7", "8", "4", "3", "6"])
            snrAcc(i) = snrAcc(i) + 1;
        end
    end
end

end
```

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