```
 1 C:\Users\Kiran\PycharmProjects\RF_IM&Harmonics_Calculator\
   venv\Scripts\python.exe C:/Users/Kiran/PycharmProjects/
   RF_IM&Harmonics_Calculator/RF_Spur_Calculator.py
 2 Enter the first frequency in MHz
 3 100
 4 Enter the second frequency in MHz
 5 120
 6 Enter the third frequency in MHz
 7 150
 8 Harmonics & IM Components for each Non-Linearity
 9 The 2nd Order Harmonic Freqs: [200, 240, 300]
10 The 2nd Order Inter-modulation Components: [20, 30, 50,
   220, 250, 270]
11
12 The 3rd Order Harmonic Freqs: [300, 360, 450]
13 The 3rd Order  Inter-modulation Components: [20, 30, 50,
   70, 80, 90, 130, 140, 170, 180, 200, 220, 250, 270, 320,
   340, 350, 370, 390, 400, 420]
14
15 The 4th Order Harmonic Freqs: [400, 480, 600]
16 The 4th Order Inter-modulation Components: [10, 20, 30, 40
   , 50, 60, 70, 80, 90, 100, 130, 140, 150, 170, 180, 190,
   200, 210, 220, 230, 250, 260, 270, 280, 290, 320, 330, 340
   , 350, 370, 390, 400, 420, 440, 450, 460, 470, 490, 500,
   510, 520, 540, 550, 570]
17
18 The 5th Order Harmonic Freqs: [500, 600, 750]
19 The 5th Order Inter-modulation Components: [0, 10, 20, 30
   , 40, 50, 60, 70, 80, 90, 100, 110, 130, 140, 150, 160,
   170, 180, 190, 200, 210, 220, 230, 250, 260, 270, 280, 290
   , 310, 320, 330, 340, 350, 370, 380, 390, 400, 410, 420,
   430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 540, 550
   , 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660,
   670, 690, 700, 720]
20
21 The 6th Order Harmonic Freqs: [600, 720, 900]
22 The 6th Order Inter-modulation Components: [0, 10, 20, 30
   , 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150,
   160, 170, 180, 190, 200, 210, 220, 230, 250, 260, 270, 280
   , 290, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400,
   410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520
   , 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630,
   640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 750, 760
   , 770, 780, 790, 800, 810, 820, 840, 850, 870]
23
24 The 7th Order Harmonic Freqs: [700, 840, 1050]
25 The 7th Order Inter-modulation Components: [0, 10, 20, 30
   , 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150,
   160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270
```

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25  , 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380,
      390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500
      , 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610,
      620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730
      , 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840,
      850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960
      , 970, 990, 1000, 1020]
26
27
28 All Harmonic Freqs up-to 7th Non Linearity
29 [200, 240, 300, 360, 400, 450, 480, 500, 600, 700, 720,
      750, 840, 900, 1050]
30 All IM Components up-to 7th Non Linearity
31 [0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130
      , 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240,
      250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360
      , 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470,
      480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590
      , 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700,
      710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820
      , 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930,
      940, 950, 960, 970, 990, 1000, 1020]
32
33 Process finished with exit code 0
34
```