

LTC5553

Difference Spurs

| | | n x LO | | | | | |
|--------|---|----------------|----------------|----------------|----------------|----------------|-----------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| m x IN | 0 | (MHz) (dBc) | 2900 -15.71 | 5800 -27.01 | 8700 -19.00 | 11600 -6.02 | 14500 -17.90 |
| | 1 | 1700 -33.06 | 1200 0.00 | 4100 -37.34 | 7000 -11.83 | 9900 -41.55 | 12800 -25.31 |
| | 2 | 3400 -72.99 | 500 -68.57 | 2400 -74.15 | 5300 -68.15 | 8200 -70.33 | 11100 -69.17 |
| | 3 | 5100 -74.95 | 2200 -70.01 | 700 N/A | 3600 -69.50 | 6500 N/A | 9400 -72.55 |
| | 4 | 6800 -72.44 | 3900 N/A | 1000 N/A | 1900 N/A | 4800 N/A | 7700 -72.77 |
| | 5 | 8500 -74.12 | 5600 N/A | 2700 N/A | 200 N/A | 3100 N/A | 6000 N/A |

Notes:

- Input Signal = 1700.00MHz @ -5.00dBm
- LO Signal = 2900.00MHz @ 0.00dBm
- Output Signal = 1200.00MHz @ -15.47dBm
- All data in the table is in dBc relative to the output tone
- "N/A" tones are too high in frequency to accurately measure

LTC5553

Sum Spurs

| | | n x LO | | | | | |
|--------|---|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| m x IN | 0 | (MHz) (dBc) | 2900 -15.71 | 5800 -27.01 | 8700 -19.00 | 11600 -6.02 | 14500 -17.90 |
| | 1 | 1700 -33.06 | 4600 -2.11 | 7500 -40.69 | 10400 -14.45 | 13300 -47.72 | 16200 -33.51 |
| | 2 | 3400 -72.99 | 6300 N/A | 9200 -70.69 | 12100 -70.62 | 15000 -62.49 | 17900 -71.70 |
| | 3 | 5100 -74.95 | 8000 -72.59 | 10900 -74.64 | 13800 -70.53 | 16700 -70.40 | 19600 -69.50 |
| | 4 | 6800 -72.44 | 9700 -74.06 | 12600 -74.10 | 15500 -70.62 | 18400 -72.02 | 21300 N/A |
| | 5 | 8500 -74.12 | 11400 -73.71 | 14300 -70.73 | 17200 -71.46 | 20100 N/A | 23000 N/A |

Notes:

- Input Signal = 1700.00MHz @ -5.00dBm
- LO Signal = 2900.00MHz @ 0.00dBm
- Output Signal = 1200.00MHz @ -15.47dBm
- All data in the table is in dBc relative to the output tone
- "N/A" tones are too high in frequency to accurately measure