



$$V_{\max} = \frac{V_{D2A} \times R_{_1A} \times R32A}{(R45 + R_{_1A}) \times (R41A + R32A)}$$

$$V_{\max} = \frac{1.2V \times 7.5K \times 5.1K}{(1M + 7.5K) \times (1M + 5.1K)} = 0.0453 \text{ mV}$$

The VCO Pulling 12000 KHz/V

$$BW_{-3dB \max} = (2.4 \times 2) + (0.0000453 \times 12000KHz \times 2) = 5.88KHz$$