**MINEX SUMMARY**

**Model 30-29-200-B 5C4 Chassis, Borosilicate Glass, Low Vibration Cryo Mount,**

**Capacitor Board and Beryllium Copper Traces**

**Vacuum Very Good Running in intermittent mode around 13watts (data recorded)**

**Cryo Very Good Cooldown to ColdHd 70K / LNA 80K, 155watts (data recorded)**

**Testing done at 65K, problems with driving on its own when shutdown, running at 70K solves that problem.**

**X-pole Very Good Noise (4.75 - 4.0dB out to 14GHz)**

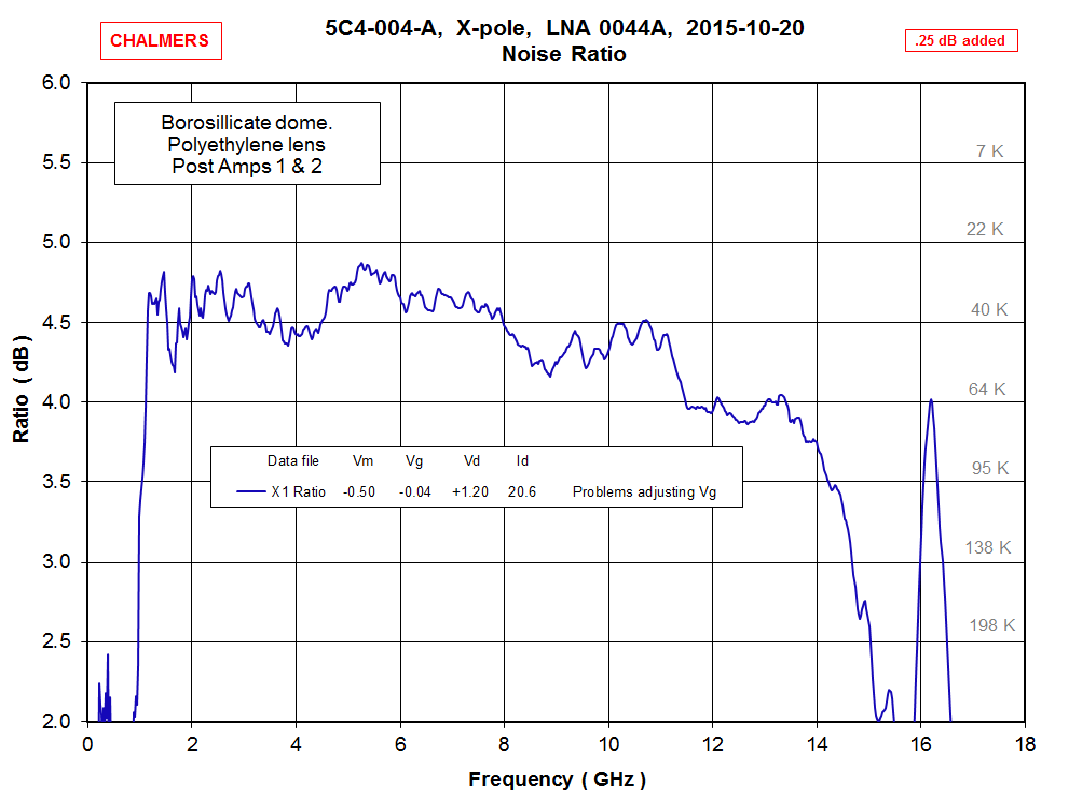
**Y-pole Very Good Noise (5.0 - 4.0dB out to 14GHz)**

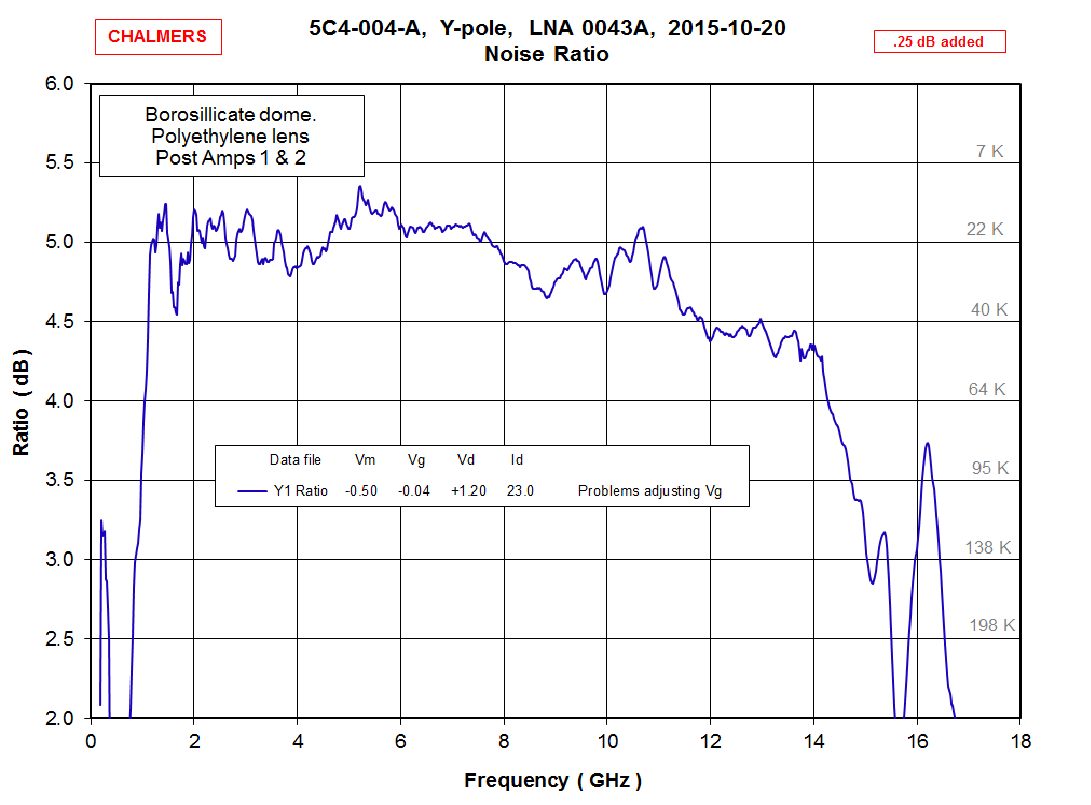
**LNA RECOMMENDED BIAS SETTINGS**

**Vm + Vd must be set exactly to values below**

**Adjust Vg as needed to get Id 25.1 to 25.3**

|  |  |  |  |
| --- | --- | --- | --- |
| **Pole** | **Minex LNA S.N.** | **Bias at Minex** | **PAM’s (HC default)** |
| **X** | **C-0044a** | **Vm -.50v / Vg -.04v / Vd 1.20v / Id 20.6ma** | **15.0 / 15.0** |
| **Y** | **C-0043a** | **Vm -.50v / Vg -.04v / Vd 1.20v / Id 23.0ma** |





4.39” x 6.21”