**Description**

This pyramid is for a retrofitted Antonio feed. It includes arms, LNAs, and a temperature diode.

**Pyramid Status**

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| --- | --- |
| Document last update | 2021-06-28 |
| Pyramid Number | 003 |
| Last worked on | Initial Retrofit 2021 |
| Feed Base (previous/current) | 5C4-002-A |
| Original build date | 2015-01-01 |
| Number of cooldown cycles | 3 (2018-06-01) |
|  |  |

**LNA Summary**

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| --- | --- | --- | --- | --- | --- | --- |
| X Pole LNF LNA | MMIC | | Room temp Biasing | | | Cryo temp Biasing |
| S.N. C-0012 | Chalmers | | Vds= 2.60V  Ids= 90mA  Vgs= -0.73V  Vm= -1.70V  Im= -57mA | | | Vds= 1.20V  Ids= 35mA  Vgs= NA  Vm= -0.50V  Im= -17mA |
|  | |  | |  |
| Y Pole LNF LNA | MMIC | | Room temp Biasing | | | Cryo temp Biasing |
| S.N. C-0039 | Chalmers | | Vds= 2.60V  Ids= 90mA  Vgs= -0.84V  Vm= -1.70V  Im= -57mA | | | Vds= 1.20V  Ids= 25mA  Vgs= NA  Vm= -0.50V  Im= -17mA |

**Retrofits**

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| --- | --- |
| Tip-Link: R03 | X |
| Gold Plated | X |
| Preconditioned Coax | X |