**Ku-Band Document List**

**R –** Drawing released to Switchboard

**NR –** Drawing not released

**Top-Level Assembly**

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| **Drawing Number** | **Document Title** | **Status** |
| 23150A0001 | Ku-Band Front End Dewar Assembly (Assigned to J. Ruff) | NR |
| A23150Nxxxx | Ku-Band Technical Manual | NR |

**Subassemblies**

|  |  |  |
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| **Drawing number** | **Document Title** | **Status** |
| D23150A0002-1 | Ku-Band Front End Symmetric Junction Orthomode Transition (Assigned to J. Ruff) | R |
| D23150A0002-2 | Ku-Band Front End Symmetric Junction Orthomode Transition (Assigned to J. Ruff) | R |
| D23150A0002-3 | Ku-Band Front End Symmetric Junction Orthomode Transition Lower Half (Assigned to J. Ruff) | R |
| D23150A0002-4 | Ku-Band Front End Symmetric Junction Orthomode Transition Shorting Pins and Septum (Assigned to J. Ruff) | R |
| D23150A0002-OMTX | Ku-Band Front End Symmetric Junction Proposed Experimental Orthomode Transition (Assigned to J. Ruff) | R |
| 23150A0003 | Ku-Band Downconverter Assembly (Assigned to J. Ruff) | NR |
| 23150A0004 | Ku-Band Radiation Shield Assembly (Assigned to J. Ruff) | NR |
| D23150A0005 | Ku-Band Receiver Thermal Transition Assembly (Assigned to J. Ruff) | R |
| D23150A0006-1 | Ku-Band Cal. Coupler General Arrangement (Assigned to J. Ruff) | R |
| D23150A0006-2 | Ku-Band Cal. Coupler Machine Details | R |
| 23150A0007 | Ku-Band Dewar Manifold Assembly (Assigned to J. Ruff) | NR |
| 23150A0008 | Ku-Band OMT Double Braid Assembly (Assigned to J. Ruff) | NR |
| 23150A0011 | Ku-Band Front End RF Chain Assembly (Assigned to J. Ruff) | NR |
| 23150A0015 | Ku-Band Assembly (Assigned to D. Monroy) | NR |
| 23150A0016 | Ku-Band Assembly (Assigned to D. Monroy) | NR |
| 23150A0017 | Ku-Band Assembly (Assigned to D. Monroy)  | NR |
| 23150A0018 | Ku-Band Shorting Load Assembly (Assigned to S. Davidson) | NR |
| 23150A0019 | Ku-Band Square to Rectangular Transition Assembly (Assigned to S. Davidson) | NR |
| 23150A0020 | Ku-Band Assembly (Assigned to M. Tibbetts) | NR |
| 23150A0021 | Ku-Band Front End 45 Degree Twist Assembly (Assigned to M. Tibbetts) | NR |
| D23150A0022 | Ku-Band Front End Assembly (Assigned to C. Welch) | NR |
| D23150M0001-1 | Ku-Band Square to Circular Transition Mandrel Design #1 Finished Machining and Plating (Assigned to J. Ruff) | R |
| D23150M0001-2 | Ku-Band Square to Circular Transition Mandrel Design #1 Preliminary Machining and Soldering (Assigned to J. Ruff) | R |
| D23150M0001-3 | Ku-Band Square to Circular Transition Mandrel Design #1 Electroform Mandrel (Assigned to J. Ruff) | R |
| D23150M0001-4 | Ku-Band Square to Circular Transition Mandrel Design #2 Finished Machining and Plating (Assigned to J. Ruff) | R |
| D23150M0001-5 | Ku-Band Square to Circular Transition Mandrel Design #2 Preliminary Machining and Soldering (Assigned to J. Ruff) | R |
| D23150M0001-6 | Ku-Band Square to Circular Transition Mandrel Design #2 Electroform Mandrel (Assigned to J. Ruff) | R |
| 23150M0002 | Ku-Band Cal. Coupler Block (Assigned to J. Ruff) | NR |
| D23150M0003-1 | Ku-Band 45° Transition Mandrel Design #1 Finished Machining and Plating (Assigned to J. Ruff) | R |
| D23150M0003-2 | Ku-Band 45° Transition Mandrel Design #1 Preliminary Machining and Soldering (Assigned to J. Ruff) | R |
| D23150M0003-3 | Ku-Band 45° Transition Mandrel Design #1 Electroform Mandrel (Assigned to J. Ruff) | R |
| D23150M0003-4 | Ku-Band 45° Transition Mandrel Design #2 Finished Machining and Plating (Assigned to J. Ruff) | R |
| D23150M0003-5 | Ku-Band 45° Transition Mandrel Design #2 Preliminary Machining and Soldering (Assigned to J. Ruff) | R |
| D23150M0003-6 | Ku-Band 45° Transition Mandrel Design #2 Electroform Mandrel (Assigned to J. Ruff) | R |
| 23150M0008 | Ku-Band Front End Phase Shifter (Assigned to J. Ruff) | NR |
| D23150M0009-1 | Ku-Band Phase Shifter Design #1 Finished Machining and Plating (Assigned to J. Ruff) | R |
| D23150M0009-2 | Ku-Band Phase Shifter Design #1 Preliminary Machining and Soldering (Assigned to J. Ruff | R |
| D23150M0009-3 | Ku-Band Phase Shifter Design #1 Electroform Mandrel (Assigned to J. Ruff) | R |
| D23150M0009-4 | Ku-Band Phase Shifter Design #2 Finished Machining and Plating (Assigned to J. Ruff) | R |
| D23150M0009-5 | Ku-Band Phase Shifter Design #2 Preliminary Machining and Soldering (Assigned to J. Ruff) | R |
| D23150M0009-6 | Ku-Band Phase Shifter Design #2 Electroform Mandrel (Assigned to J. Ruff) | R |
| D23150M0009-7 | Ku-Band Phase Shifter Design #3 Finished Machining and Plating (Assigned to J. Ruff) | R |
| D23150M0009-8 | Ku-Band Phase Shifter Design #3 Preliminary Machining and Soldering (Assigned to J. Ruff) | R |
| D23150M0009-9 | Ku-Band Phase Shifter Design #3 Electroform Mandrel (Assigned to J. Ruff) | R |
| 23150M0010 | Ku-Band Receiver Cal Coupler (Assigned to J. Ruff) | NR |
| 23150M0011 | Ku-Band 45° Transition (Assigned to J. Ruff) | NR |
| 23150M0012 | Ku-Band Receiver Window (Assigned to J. Ruff) | NR |
| 23150M0013 | Ku-Band Square to Circular Transition (Assigned to J. Ruff) | NR |
| 23150M0014 | Ku-Band Receiver Septum (Assigned to J. Ruff) | NR |
| 23150M0015 | Ku-Band Receiver Symmetric Junction Orthomode Transition Block B (Assigned to J. Ruff) | NR |
| 23150M0017 | Ku-Band Receiver Symmetric Junction Orthomode Transition Block A (Assigned to J. Ruff) | NR |
| 23150M0018 | Ku-Band Receiver Dewar Cylinder (Assigned to J. Ruff) | NR |
| 23150M0019 | Ku-Band Receiver Bottom Plate (Assigned to J. Ruff) | NR |
| 23150M0020 | Ku-Band Receiver Top Plate (Assigned to J. Ruff) | NR |
| 23150M0021 | Ku-Band Receiver Foot Plate (Assigned to J. Ruff) | NR |
| 23150M0022 | Ku-Band Receiver Front Plate (Assigned to J. Ruff) | NR |
| 23150M0023 | Ku-Band Receiver Support Rail (Assigned to J. Ruff) | NR |
| 23150M0024 | Ku-Band Receiver Radiation Shield Cylinder (Assigned to J. Ruff) | NR |
| D23150M0025 | Ku-Band Receiver Radiation Shield Bottom Plate | R |
| D23150M0026 | Ku-Band Receiver Radiation Shield Top Plate | R |
| 23150M0027 | Ku-Band Receiver Radiation Shield Cylinder Drop Bracket (Assigned to J. Ruff) | NR |
| D23150M0028 | Ku-Band Receiver Coax Bending Fixtures (3 Shts) | R |
| 23150M0029 | Ku-Band Receiver 15K Cold Plate (Assigned to J. Ruff) | NR |
| 23150M0030 | Ku-Band Receiver Side Plate (Assigned to J. Ruff) | NR |
| D23150M0031 | Ku-Band Receiver Thermal Transition Top Flange (Assigned to J. Ruff) | R |
| D23150M0032 | Ku-Band Receiver Thermal Transition Outer Tube (Assigned to J. Ruff) | NR |
| D23150M0033 | Ku-Band Receiver Thermal Transition Inner Tube (Assigned to J. Ruff) | R |
| D23150M0034 | Ku-Band Receiver Thermal Gap Choke Ring (Assigned to J. Ruff) | R |
| D23150M0035 | Ku-Band Receiver Thermal Transition Anti-Cocking Flange (Assigned to J. Ruff) | R |
| D23150M0036 | Ku-Band Receiver Thermal Transition Dowel (Assigned to J. Ruff) | R |
| 23150M0037 | Ku-Band Receiver RF Chain Support Block (Assigned to J. Ruff) | NR |
| 23150M0038 | Ku-Band Receiver Attenuator Support Bracket (Assigned to J. Ruff) | NR |
| 23150M0040 | Ku-Band Receiver WR28, 67° Waveguide Bend (Assigned to J. Ruff) | NR |
| 23150M0041 | Ku-Band Receiver WR28, 115° Waveguide Bend (Assigned to J. Ruff) | NR |
| 23150M0042 | Ku-Band Receiver Thermal Straps (Assigned to J. Ruff) | NR |
| 23150M0043 | Ku-Band Receiver Attenuator Cover (Assigned to J. Ruff) | NR |
| 23150M0048 | Ku-Band Mechanical Part (Assigned to J. Ruff) | NR |
| 23150M0049 | Ku-Band Mechanical Part (Assigned to J. Ruff) | NR |
| 23150M0050 | Ku-Band Mechanical Part (Assigned to J. Ruff) | NR |
| D23150M0051-1 | Ku-Band Square Transition Finished Machining (Assigned to J. Ruff) | R |
| D23150M0051-2 | Ku-Band Square Transition Preliminary Machining (Assigned to J. Ruff) | R |
| D23150M0051-3 | Ku-Band Square Transition Electroform Mandrels (Assigned to J. Ruff) | R |
| D23150M0051-4 | Ku-Band Rectangular-Square Transition Finish Machining (Assigned to J. Ruff) | R |
| D23150M0051-5 | Ku-Band Rectangular-Square Transition Preliminary Machining (Assigned to J. Ruff) | R |
| D23150M0051-6 | Ku-Band Rectangular-Square Transition Electroform Mandrel (Assigned to J. Ruff) | R |
| 23150M0060 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0061 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0062 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0063 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0064 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0065 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0066 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0067 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0068 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0069 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0070 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0071 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| 23150M0072 | Ku-Band Mechanical Part (Assigned to D. Monroy) | NR |
| D23150M0073 | Ku-Band Mandrel (Assigned to H. Dinwiddie) | NR |
| 23150M0074 | Ku-Band Front End 45 Degree Twist Electroformed Mandrel (Assigned to M. Tibbetts) | NR |