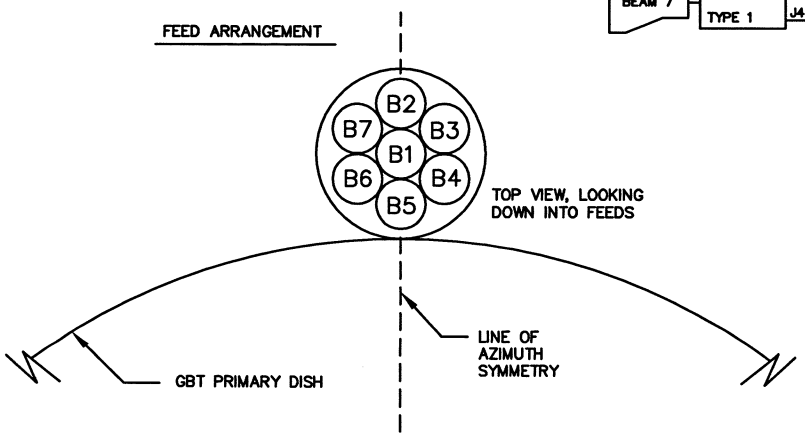
# RcvrArray18_26

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REVISION | MADE BY | DESCRIPTION | ZONE | DATE | APPROVED |
| | | | | | |

| | DOWN CONVERTER AND TYPE | | IF OUTPUT FREQUENCY HIGH/LOW | POLARIZATION | | MULTIPLEXER | | IF ROUTER INPUT | OPTICAL DRIVER/ RECEIVER | CONVERTER | CONVERTER RACK SYNTHESIZER | ANALOG RACK 100 MHZ CONVERTER/ FILTER | ANALOG RACK 1.6 GHZ SAMPLER/ FILTER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEAM 1 | IDM 1 TYPE 2 | J3 | HIGH | L1 | J2 | M6 | J1 | S6–J47 | ODM 6 | CM 10 | G6 | CF 10 | SG 2 |
| | | J4 | HIGH | R1 | J2 | M8 | J1 | S8–J63 | ODM 8 | CM 14 | | CF 14 | SG 6 |
| BEAM 2 | IDM 2 TYPE 2 | J3 | HIGH | L2 | J2 | M2 | J1 | S2–J15 | ODM 2 | CM 2 | G2 | CF 2 | SG 2 |
| | | J4 | HIGH | R2 | J2 | M4 | J1 | S4–J31 | ODM 4 | CM 6 | | CF 6 | SG 6 |
| BEAM 3 | IDM 3 TYPE 2 | J3 | HIGH | L3 | J2 | M5 | J1 | S5–J37 | ODM 5 | CM 9 | G5 | CF 9 | SG 1 |
| | | J4 | HIGH | R3 | J2 | M7 | J1 | S7–J56 | ODM 7 | CM 13 | | CF 13 | SG 5 |
| BEAM 4 | IDM 4 TYPE 2 | J3 | HIGH | L4 | J2 | M1 | J1 | S1–J7 | ODM 1 | CM 1 | G1 | CF 1 | SG 1 |
| | | J4 | HIGH | R4 | J2 | M3 | J1 | S3–J24 | ODM 3 | CM 5 | | CF 5 | SG 5 |
| BEAM 5 | IDM 5 TYPE 1 | J3 | LOW | L5 | J3 | M1 | J1 | S1–J7 | ODM 1 | CM 3 | G3 | CF 3 | SG 3 |
| | | J4 | LOW | R5 | J3 | M3 | J1 | S3–J24 | ODM 3 | CM 7 | | CF 7 | SG 7 |
| BEAM 6 | IDM 6 TYPE 1 | J3 | LOW | L6 | J3 | M2 | J1 | S2–J15 | ODM 2 | CM 4 | G4 | CF 4 | SG 4 |
| | | J4 | LOW | R6 | J3 | M4 | J1 | S4–J31 | ODM 4 | CM 8 | | CF 8 | SG 8 |
| BEAM 7 | IDM 7 TYPE 1 | J3 | LOW | L7 | J3 | M5 | J1 | S5–J37 | ODM 5 | CM 11 | G7 | CF 11 | SG 3 |
| | | J4 | LOW | R7 | J3 | M7 | J1 | S7–J56 | ODM 7 | CM 15 | | CF 15 | SG 7 |
| | | | | | | TERMINATE M6–J3 M8–J3 | | | | CM12 CM14 NOT USED | G8 NOT USED | CF12 CF14 NOT USED | |

FEED ARRANGEMENT




DRAFT 02/01/2010

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|---|---|---|---|
| NATIONAL RADIO ASTRONOMY OBSERVATORY P.O. BOX 2, GREEN BANK, WEST VIRGINIA, 24944 | | | TOLERANCES UNLESS OTHERWISE SPECIFIED ANGULAR ±0°30' FRACTIONAL ±1/64 2 PLACE DECIMAL ±.01 3 PLACE DECIMAL ±.005 DIMENSIONS ARE IN INCHES |
| PROJECT/TITLE KFPA RECEIVER BLOCK DIAGRAM | | | |
| DESIGNED | DRAWN SIMON | CHECKED | DATE 1/2/2008 |
| SCALE | MATERIAL NONE | FINISH NONE | DRAWING NO. C02920K001 |
| FILE | SHEET | REVISION | |