

RECIVER 22 GHz MULTIFEED
LNAs CONTROLS

REMOTE CONTROLS

ON/OFF LNAs

| | | |
|------|----------|---|
| OUT8 | ON/OFF_L | Opened = Left LNAs ON Closed = Left LNAs OFF |
| OUT9 | ON/OFF_R | Opened = Right LNAs ON Closed = Right LNAs OFF |

PARAMETER ACQUISITION

| A0-A3 (Dec. Range) OUT0-OUT3 Opened=1 Closed=0 | EN0 EN3 (Dec.) OUT4 OUT7 Opened=1 Closed=0 | BRD SEL | AN INPUTS SELECTED | CHANNEL (Range) | POL | CHANNELS (Global Range) |
|--|--|------------|-----------------------|--------------------|-------|----------------------------|
| 0 – 15 | 14 | 0 | AD8 | 1 – 16 | Left | 1-16 |
| 0 – 15 | 14 | | AD9 | 1 – 16 | Right | 17 – 32 |
| 0 – 15 | 14 | 2 | AD10 | 33 – 48 | Left | 65 – 80 |
| 0 – 15 | 14 | | AD11 | 33 – 48 | Right | 81 – 96 |
| 0 – 15 | 14 | 4 | AD12 | 65 – 80 | Left | 129 – 144 |
| 0 – 15 | 14 | | AD13 | 65 – 80 | Right | 145 – 160 |
| 0 – 15 | 14 | 6 | AD14 | 97 – 112 | Left | 193 – 208 |
| 0 – 15 | 14 | | AD15 | 97 – 112 | Right | 209 – 224 |
| 0 – 15 | 13 | 1 | AD8 | 17 – 32 | Left | 33 – 48 |
| 0 – 15 | 13 | | AD9 | 17 – 32 | Right | 49 – 64 |
| 0 – 15 | 13 | 3 | AD10 | 49 – 64 | Left | 97 – 112 |
| 0 – 15 | 13 | | AD11 | 49 – 64 | Right | 113 – 128 |
| 0 – 15 | 13 | 5 | AD12 | 81 – 96 | Left | 161 – 176 |
| 0 – 15 | 13 | | AD13 | 81 – 96 | Right | 177 – 192 |
| 0 – 15 | 13 | 7 | AD14 | 113 – 128 | Left | 225 – 240 |
| 0 – 15 | 13 | | AD15 | 113 – 128 | Right | 241 – 256 |
| 0 – 15 | 11 | 8 | AD8 | 129 – 144 | Left | 257 – 272 |
| 0 – 15 | 11 | | AD9 | 129 – 144 | Right | 273 – 288 |
| 0 – 15 | 11 | 10 | AD10 | 161 – 176 | Left | 321 – 336 |
| 0 – 15 | 11 | | AD11 | 161 – 176 | Right | 337 – 352 |
| 0 – 15 | 11 | 12 | AD12 | 194 – 208 | Left | 385 – 400 |
| 0 – 15 | 11 | | AD13 | 194 – 208 | Right | 401 – 416 |
| 0 – 15 | 11 | 14 | AD14 | 225 – 240 | Left | 449 – 464 |
| 0 – 15 | 11 | | AD15 | 225 – 240 | Right | 465 – 480 |
| 0 – 15 | 7 | 9 | AD8 | 145 – 160 | Left | 289 – 304 |
| 0 – 15 | 7 | | AD9 | 145 – 160 | Right | 305 – 320 |
| 0 – 15 | 7 | 11 | AD10 | 177 – 192 | Left | 353 – 368 |
| 0 – 15 | 7 | | AD11 | 177 – 192 | Right | 369 – 384 |
| 0 – 15 | 7 | 13 | AD12 | 209 – 224 | Left | 417 – 432 |
| 0 – 15 | 7 | | AD13 | 209 – 224 | Right | 433 – 448 |
| 0 – 15 | 7 | 15 | AD14 | 241 – 256 | Left | 481 – 496 |
| 0 – 15 | 7 | | AD15 | 241 – 256 | Right | 497 – 512 |

OUT BITS VALUE

| Soft Ware Value | Electrical Functions Value | LNAs Controller Value |
|-----------------|----------------------------|-----------------------|
| 0 | Opened | 1 |
| 1 | Closed | 0 |

Electrical

CHANNEL SELECTION (A0-A3 RANGE)

| CH | SEGNAL | CONVERSION |
|----|-----------|------------|
| 1 | VD 1 | 1 V/V |
| 2 | ID 1 | 100 mV/mA |
| 3 | VG 1 | 1 V/V |
| 4 | VD 2 | 1 V/V |
| 5 | ID 2 | 100 mV/mA |
| 6 | VG 2 | 1 V/V |
| 7 | VD 3 | 1 V/V |
| 8 | ID 3 | 100 mV/mA |
| 9 | VG 3 | 1 V/V |
| 10 | VD 4 | 1 V/V |
| 11 | ID 4 | 100 mV/mA |
| 12 | VG 4 | 1 V/V |
| 13 | VD 5 | 1 V/V |
| 14 | ID 5 | 100 mV/mA |
| 15 | VG 5 | 1 V/V |
| 16 | VREF 3.3V | 1 V/V |