

Antenna Link Budget Report

Created on 12.16.2021

| AntID | SysID | AntGain (dBi) | SysPilot (dBm) | SysTotal (dBm) | AntPilot (dBm) | AntPowerPerChannel (dBm) | Coupler | | | | | | |
|------------|---------------------|---------------|----------------|----------------|----------------|--------------------------|----------|----------|---------------|---------|----------|-----------|---------|
| | | | | | | | Tap Loss | | | | | | |
| | | | | | | | Microlab | | | | | | |
| | | | | | | | DN-34FN | DN-44FN | | DN-54FN | DN-64FN | DN-74FN | DN-84FN |
| | | | | | | | 4.8(dBm) | 6.1(dBm) | 6.099999(dBm) | 7(dBm) | 8.5(dBm) | 10.5(dBm) | 13(dBm) |
| Quantity | Quantity | Quantity | Quantity | Quantity | Quantity | Quantity | | | | | | | |
| B1_F1_Ant1 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -13.091 | 3 | 1 | | | | | |
| B1_F1_Ant2 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -11.83 | | 1 | | | | | |
| B1_F1_Ant3 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -10.78 | | | 2 | | | | |
| B1_F1_Ant4 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -10.929 | | | | | | | |
| B1_F1_Ant5 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -9.748 | | | | | | | |
| B1_F2_Ant1 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -7.986 | | | | | | | |
| B1_F2_Ant2 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -9.14 | | | | | | | |
| B1_F2_Ant3 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -9.211 | | | | | | | 1 |
| B1_F2_Ant4 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -9.015 | | | | | 1 | | |
| B1_F2_Ant5 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -9.674 | | | 1 | | | | |
| B1_F2_Ant6 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -9.79 | 1 | | | | | | |
| B1_F2_Ant7 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -9.999 | | | | | | | |
| B1_F2_Ant8 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -10.887 | | | | | | | |
| B1_F2_Ant9 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -9.169 | | | | 1 | | | |
| B1_F3_Ant1 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -11.022 | 1 | | | | | | 1 |
| B1_F3_Ant2 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -12.036 | 1 | | | | | | 1 |
| B1_F3_Ant3 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -12.22 | 1 | | | | | 1 | |
| B1_F3_Ant4 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -11.178 | 1 | | 1 | | | | |
| B1_F3_Ant5 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -11.981 | 2 | | | | | | |
| B1_F3_Ant6 | B1_F4_Src1_WXLXGIWX | 2.01 | | -70 | | -10.795 | | | | | | | |

| Coupler | | | | | | | | | | | Splitter | |
|-----------|--------------|-----------|----------|----------|----------------|----------|----------------|----------|----------------|--------------|-----------|--------------|
| Tap Loss | | Thru Loss | | | | | | | | | Loss | |
| Microlab | | Microlab | | | | | | | | | Generic | |
| DN-94FN | | DN-34FN | DN-44FN | DN-54FN | DN-64FN | DN-74FN | | DN-84FN | DN-94FN | | PS-02-NF | |
| 15.3(dBm) | | 1.8(dBm) | 1.3(dBm) | 1(dBm) | 0.6999999(dBm) | 0.4(dBm) | 0.4000001(dBm) | 0.2(dBm) | 0.0999999(dBm) | | 3.01(dBm) | |
| Quantity | Subtotal(dB) | Quantity | Quantity | Quantity | Quantity | Quantity | Quantity | Quantity | Quantity | Subtotal(dB) | Quantity | Subtotal(dB) |
| | 20.5 | | | | | | | | | | | |
| | 6.1 | 3 | | | | | | | | 5.400001 | | |
| | 12.2 | 2 | | | | | | | | 3.6 | | |
| | | 2 | 2 | | | | | | | 6.2 | 1 | 3.01 |
| | | 2 | 2 | | | | | | | 6.2 | 1 | 3.01 |
| 1 | 15.3 | 1 | | | | | | | | 1.8 | | |
| 1 | 15.3 | 1 | | | | | | | 1 | 1.9 | | |
| | 13 | 1 | | | | | | | 2 | 2 | | |
| | 10.5 | 1 | | | | | | 1 | 2 | 2.2 | | |
| | 7 | 1 | | | 1 | 1 | | 1 | 2 | 3.3 | | |
| | 4.8 | 1 | | 1 | 1 | 1 | | 1 | 2 | 4.3 | | |
| | | 2 | | 1 | 1 | 1 | | 1 | 2 | 6.099999 | 1 | 3.01 |
| | | 2 | | 1 | 1 | 1 | | 1 | 2 | 6.099999 | 1 | 3.01 |
| | 8.5 | 1 | | | | 1 | | 1 | 2 | 2.6 | | |
| | 17.8 | | 1 | | | | | | | 1.3 | | |
| | 17.8 | | 1 | | | | | 1 | | 1.5 | | |
| | 15.3 | | 1 | | | | | 2 | | 1.7 | | |
| | 11.8 | | 1 | | | | 1 | 2 | | 2.1 | | |
| | 9.6 | | 1 | 1 | | | 1 | 2 | | 3.1 | | |
| | | 2 | 1 | 1 | | | 1 | 2 | | 6.7 | | |

| Cable | | Repeater | | Cable Connector | |
|---------------|--------------|-----------------|--------------|-----------------|--------------|
| | | Loss | | | Loss |
| RFS | | Comba | | Generic | |
| ICA12-50JPLW | | RX08V1-A3348-UL | | N-J1/2 | |
| | | 80(dBm) | | | |
| Length (Feet) | Subtotal(dB) | Quantity | Subtotal(dB) | Quantity | Subtotal(dB) |
| 200 | 3.401 | 1 | 80 | 12 | 1.2 |
| 301 | 5.14 | 1 | 80 | 12 | 1.2 |
| 165 | 2.79 | 1 | 80 | 12 | 1.2 |
| 266 | 4.529 | 1 | 80 | 14 | 1.4 |
| 198 | 3.348 | 1 | 80 | 14 | 1.4 |
| 124 | 2.096 | 1 | 80 | 8 | 0.8 |
| 175 | 2.95 | 1 | 80 | 10 | 1 |
| 296 | 5.021 | 1 | 80 | 12 | 1.2 |
| 408 | 6.925 | 1 | 80 | 14 | 1.4 |
| 564 | 9.584 | 1 | 80 | 18 | 1.8 |
| 630 | 10.7 | 1 | 80 | 20 | 2 |
| 630 | 10.699 | 1 | 80 | 22 | 2.2 |
| 682 | 11.587 | 1 | 80 | 22 | 2.2 |
| 499 | 8.479 | 1 | 80 | 16 | 1.6 |
| 173 | 2.932 | 1 | 80 | 10 | 1 |
| 209 | 3.546 | 1 | 80 | 12 | 1.2 |
| 342 | 5.83 | 1 | 80 | 14 | 1.4 |
| 451 | 7.688 | 1 | 80 | 16 | 1.6 |
| 557 | 9.491 | 1 | 80 | 18 | 1.8 |
| 663 | 11.305 | 1 | 80 | 18 | 1.8 |