50Ω

J6
R2
50R

Loose meander 2cm

J21
2

Thight meander 2cm

J22
2

AE1
Antenna

J5
1

4GHz antenna

Short

J4
1

J3
1

Open

Pass

J1 1 1 J2

Long stub, 1GHz
(optional stub short)

J7 1   1 J8
R3
0R DNP

Short stub, 2GHz
(optional stub short)

J9 1   1 J10
R4
0R DNP

Differential pair/ coupler

J11
J12 1
DIFF_P
DIFF_N
J13 1 J14

3.5-4GHz band-pass inter-digital filter

J19 1   1 J20

Layer changes

J15 1 with return vias 1 J17

without vias, optional decoupling on reference change

J16 1   1 J18
C2
100n
C1
100n