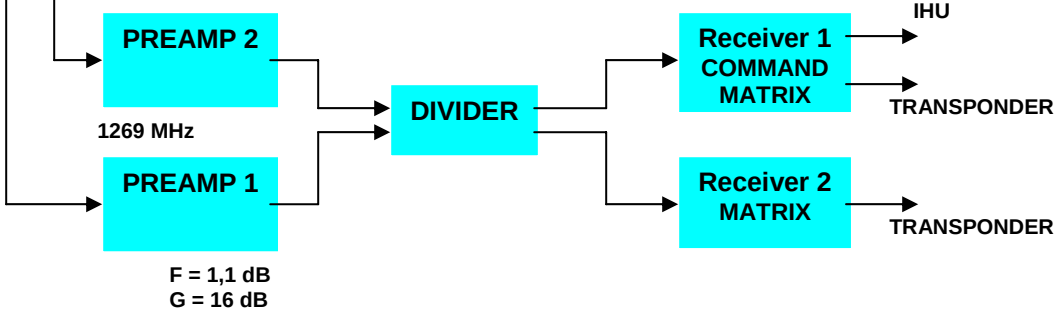
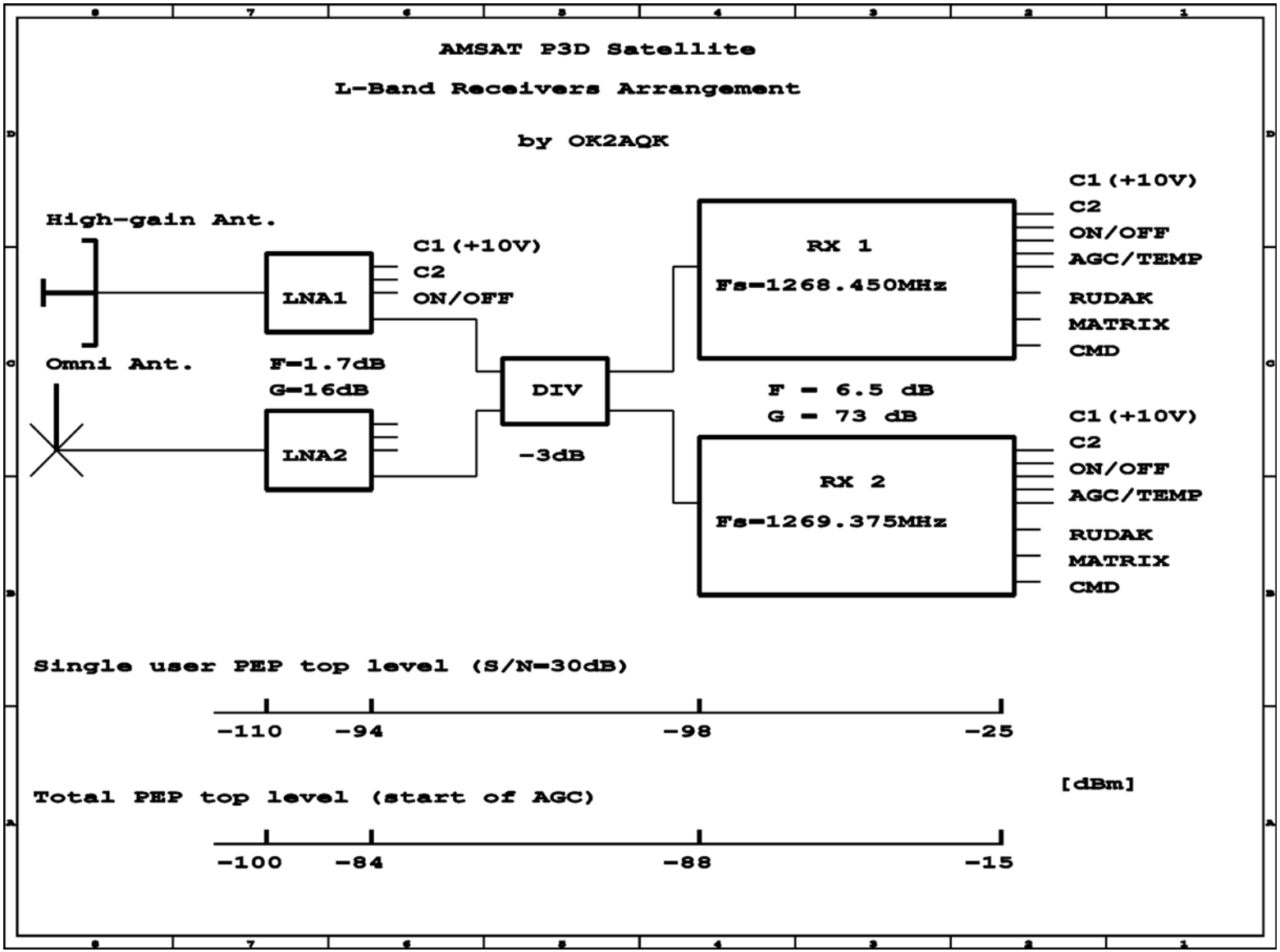
# *AMSAT* P3D
# L-Band Receivers Arrangement






AMSAT P3D Satellite
L-Band Receivers Arrangement
by OK2AQK
High-gain Ant.
Omni Ant.
LNA1
LNA2
C1 (+10V)
C2
ON/OFF
F=1.7dB
G=16dB
DIV
-3dB
F = 6.5 dB
G = 73 dB
RX 1
Fs=1268.450MHz
RX 2
Fs=1269.375MHz
C1 (+10V)
C2
ON/OFF
AGC/TEMP
RUDAK
MATRIX
CMD
C1 (+10V)
C2
ON/OFF
AGC/TEMP
RUDAK
MATRIX
CMD
Single user PEP top level (S/N=30dB)
-110
-94
-98
-25
[dBm]
Total PEP top level (start of AGC)
-100
-84
-88
-15