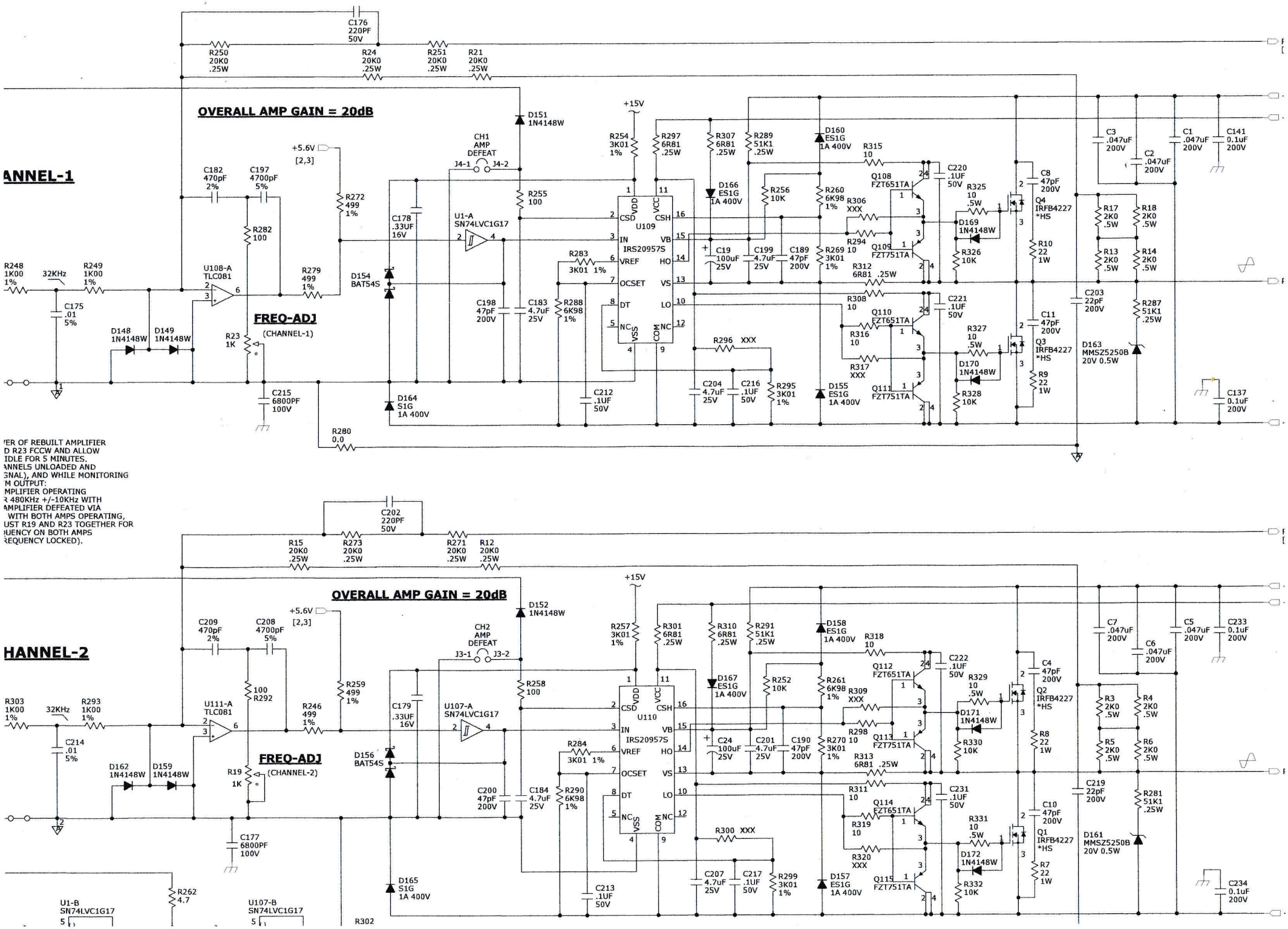
ANNEL-1
OVERALL AMP GAIN = 20dB
FREQ-ADJ
(CHANNEL-1)
CH1
AMP
DEFEAT
J4-1
J4-2
U1-A
SN74LVC1G17
U109
IRS20957S
+15V
+5.6V
[2,3]
32KHz
C176
220PF
50V
R250
20K0
.25W
R24
20K0
.25W
R251
20K0
.25W
R21
20K0
.25W
R248
1K00
1%
R249
1K00
1%
C175
.01
5%
U108-A
TLC081
C182
470pF
2%
C197
4700pF
5%
R282
100
R279
499
1%
R272
499
1%
R23
1K
C215
6800PF
100V
D148
1N4148W
D149
1N4148W
C178
.33UF
16V
D154
BAT54S
D164
S1G
1A 400V
R280
0.0
R255
100
C198
47pF
200V
C183
4.7uF
25V
R283
3K01 1%
R288
6K98
1%
C212
.1UF
50V
R254
3K01
1%
R297
6R81
.25W
D151
1N4148W
R307
6R81
.25W
R289
51K1
.25W
D160
ES1G
1A 400V
D166
ES1G
1A 400V
R256
10K
R260
6K98
1%
R269
3K01
1%
C19
100uF
25V
C199
4.7uF
25V
C189
47pF
200V
R315
10
R306
XXX
R294
10
R312
6R81 .25W
Q108
FZT651TA
Q109
FZT751TA
C220
.1UF
50V
R325
10
.5W
D169
1N4148W
R326
10K
C8
47pF
200V
Q4
IRFB4227
*HS
R10
22
1W
C3
.047uF
200V
C2
.047uF
200V
C1
.047uF
200V
C141
0.1uF
200V
R17
2K0
.5W
R18
2K0
.5W
R13
2K0
.5W
R14
2K0
.5W
C203
22pF
200V
R287
51K1
.25W
D163
MMSZ5250B
20V 0.5W
R296 XXX
R308
10
R316
10
R317
XXX
Q110
FZT651TA
Q111
FZT751TA
C221
.1UF
50V
R327
10
.5W
D170
1N4148W
R328
10K
C11
47pF
200V
Q3
IRFB4227
*HS
R9
22
1W
C204
4.7uF
25V
C216
.1UF
50V
R295
3K01
1%
D155
ES1G
1A 400V
C137
0.1uF
200V
'ER OF REBUILT AMPLIFIER
D R23 FCCW AND ALLOW
IDLE FOR 5 MINUTES.
ANNELS UNLOADED AND
GNAL), AND WHILE MONITORING
M OUTPUT:
MPLIFIER OPERATING
R 480KHz +/-10KHz WITH
AMPLIFIER DEFEATED VIA
WITH BOTH AMPS OPERATING,
UST R19 AND R23 TOGETHER FOR
UENCY ON BOTH AMPS
REQUENCY LOCKED).
HANNEL-2
OVERALL AMP GAIN = 20dB
FREQ-ADJ
(CHANNEL-2)
CH2
AMP
DEFEAT
J3-1
J3-2
U107-A
SN74LVC1G17
U110
IRS20957S
+15V
+5.6V
[2,3]
32KHz
C202
220PF
50V
R15
20K0
.25W
R273
20K0
.25W
R271
20K0
.25W
R12
20K0
.25W
R303
1K00
1%
R293
1K00
1%
C214
.01
5%
U111-A
TLC081
C209
470pF
2%
C208
4700pF
5%
100
R292
R259
499
1%
R246
499
1%
R19
1K
C177
6800PF
100V
D162
1N4148W
D159
1N4148W
C179
.33UF
16V
D156
BAT54S
D165
S1G
1A 400V
R258
100
C200
47pF
200V
C184
4.7uF
25V
R284
3K01 1%
R290
6K98
1%
C213
.1UF
50V
R257
3K01
1%
R301
6R81
.25W
D152
1N4148W
R310
6R81
.25W
R291
51K1
.25W
D158
ES1G
1A 400V
D167
ES1G
1A 400V
R252
10K
R261
6K98
1%
R270
3K01
1%
C24
100uF
25V
C201
4.7uF
25V
C190
47pF
200V
R318
10
R309
XXX
R298
10
R313
6R81 .25W
Q112
FZT651TA
Q113
FZT751TA
C222
.1UF
50V
R329
10
.5W
D171
1N4148W
R330
10K
C4
47pF
200V
Q2
IRFB4227
*HS
R8
22
1W
C7
.047uF
200V
C6
.047uF
200V
C5
.047uF
200V
C233
0.1uF
200V
R3
2K0
.5W
R4
2K0
.5W
R5
2K0
.5W
R6
2K0
.5W
C219
22pF
200V
R281
51K1
.25W
D161
MMSZ5250B
20V 0.5W
R300 XXX
R311
10
R319
10
R320
XXX
Q114
FZT651TA
Q115
FZT751TA
C231
.1UF
50V
R331
10
.5W
D172
1N4148W
R332
10K
C10
47pF
200V
Q1
IRFB4227
*HS
R7
22
1W
C207
4.7uF
25V
C217
.1UF
50V
R299
3K01
1%
D157
ES1G
1A 400V
C234
0.1uF
200V
U1-B
SN74LVC1G17
R262
4.7
U107-B
SN74LVC1G17
R302