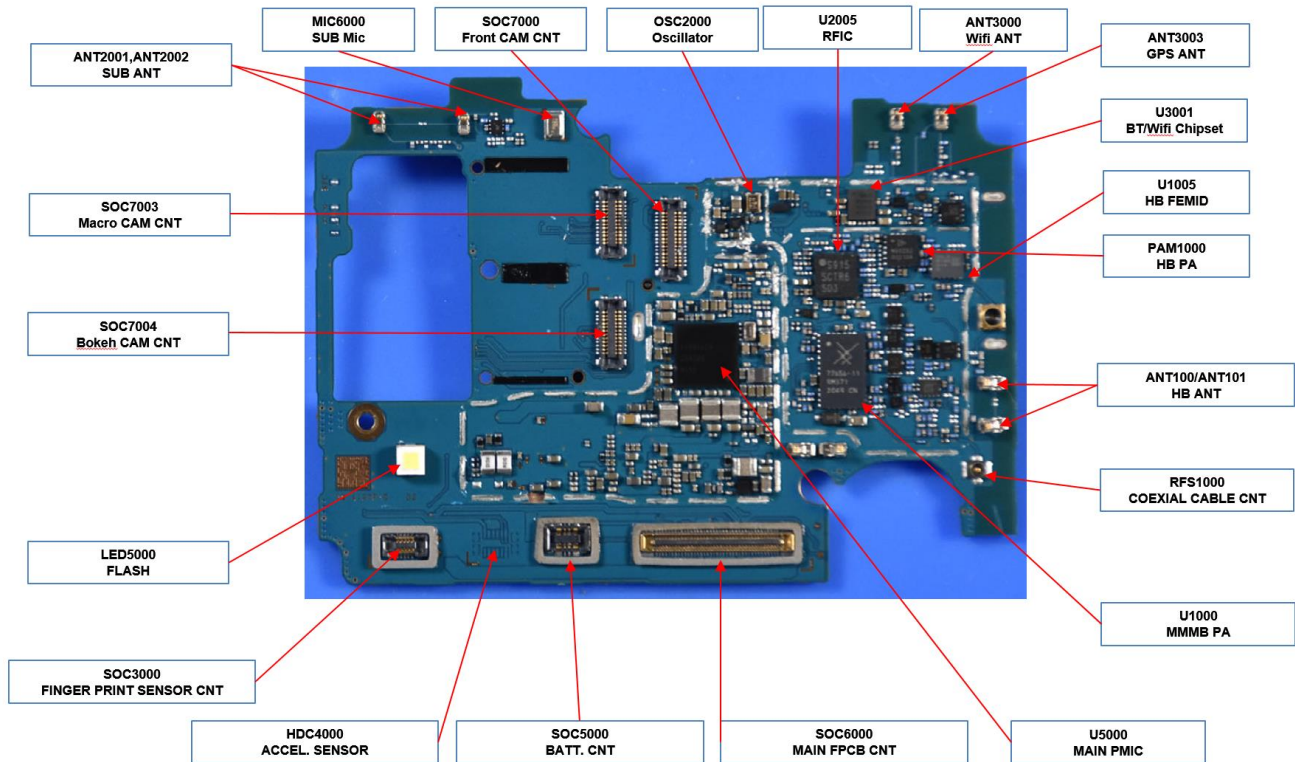


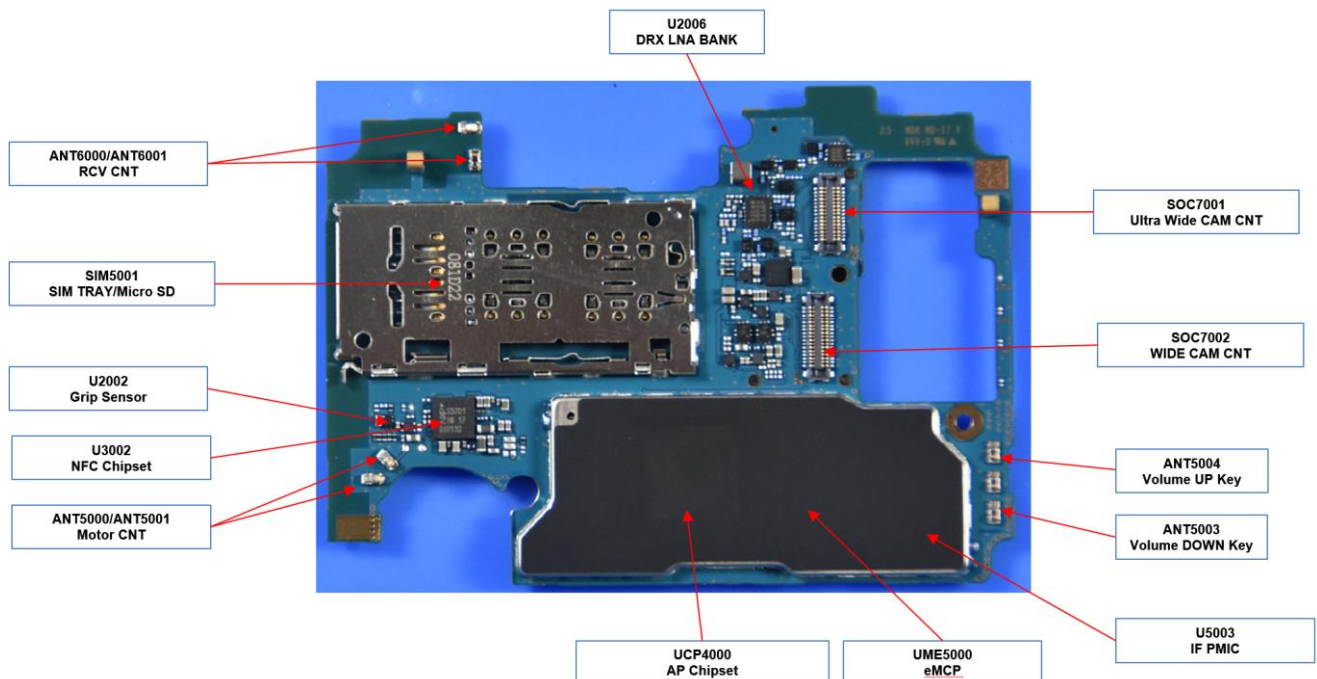
8. Level 3 Repair

8-1. Components Layout

MAIN PBA (TOP SIDE)

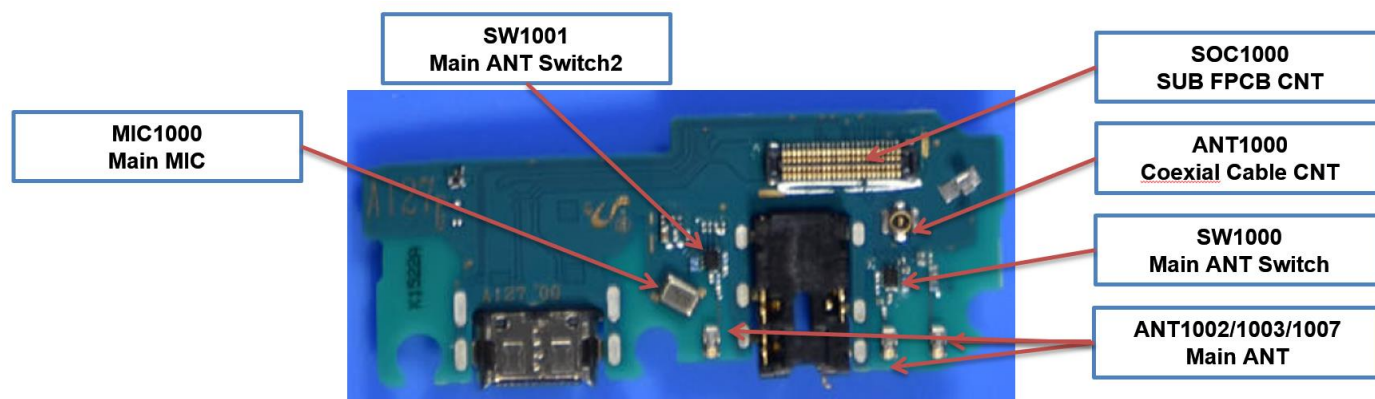


MAIN PBA (BOTTOM SIDE)

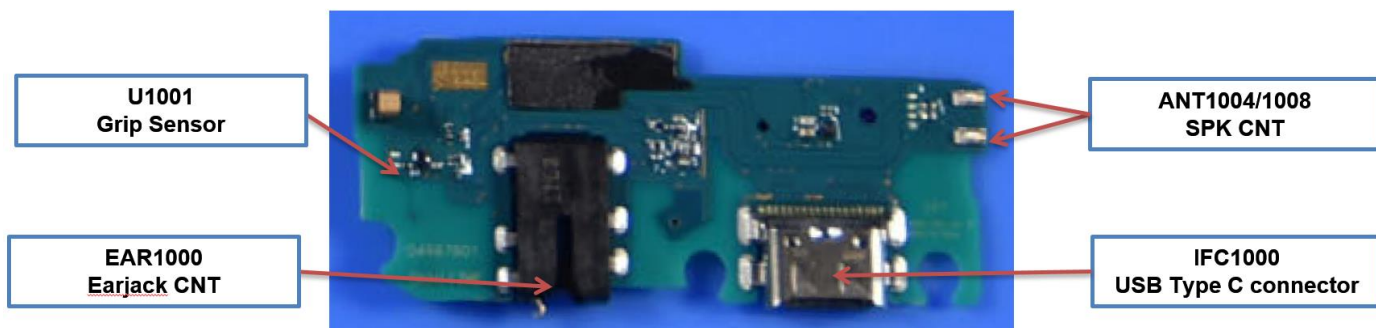


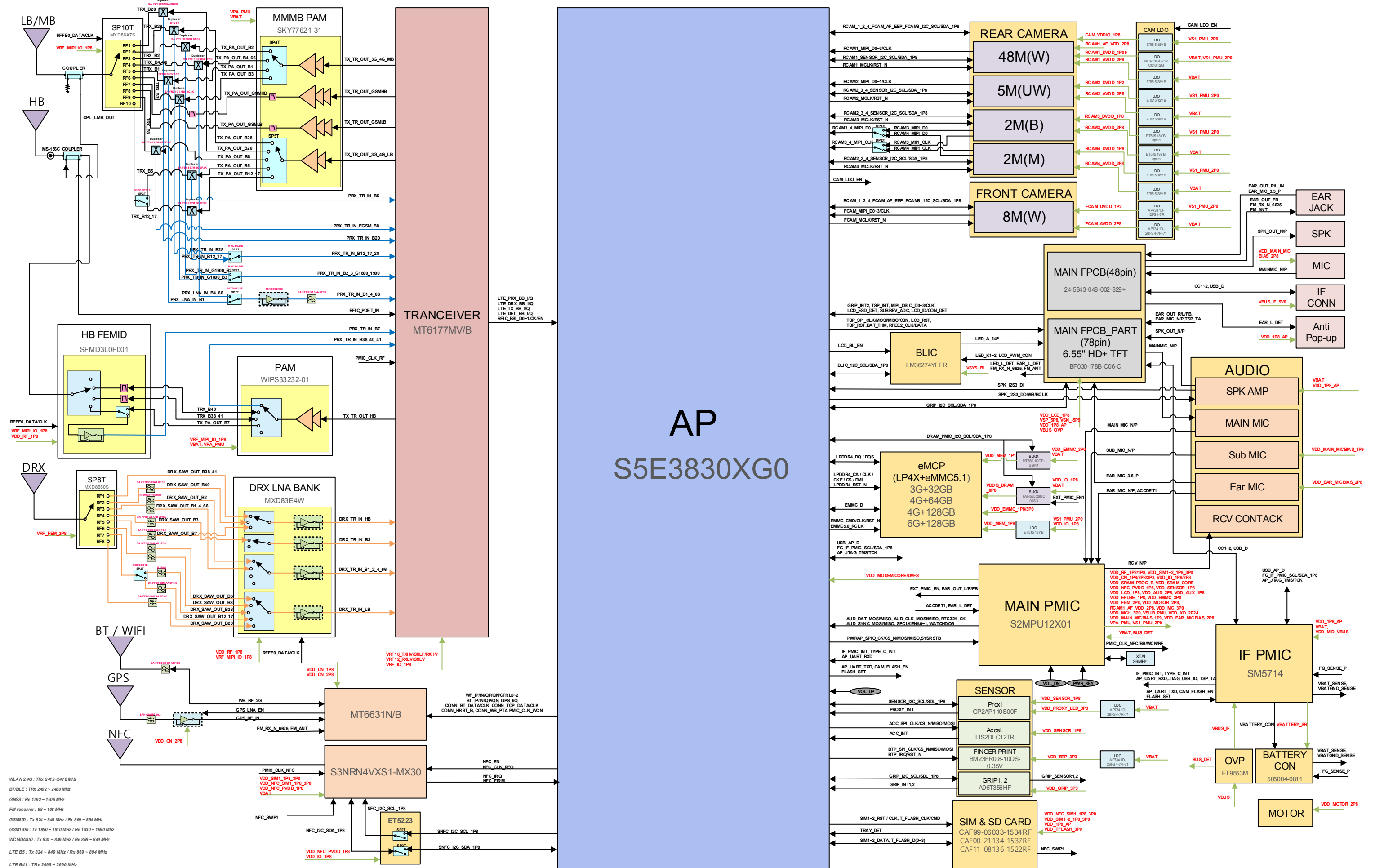
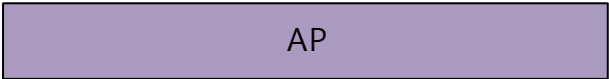
8. Level 3 Repair

SUB PBA (TOP SIDE)



SUB PBA (BOTTOM SIDE)





SM-A127F

SIM5001

SIM5002

SIM5000

SIM5003

SC7000

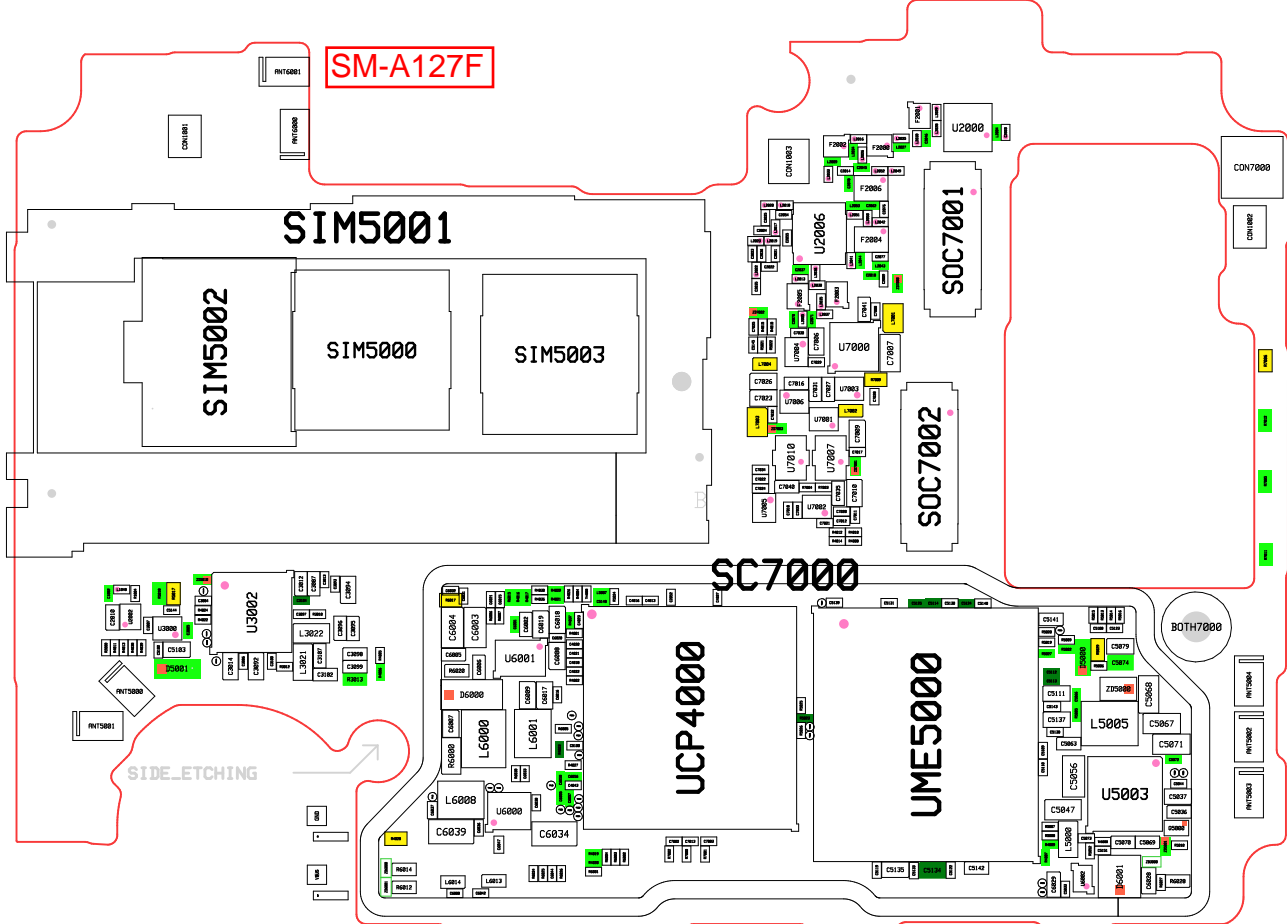
UCP4000

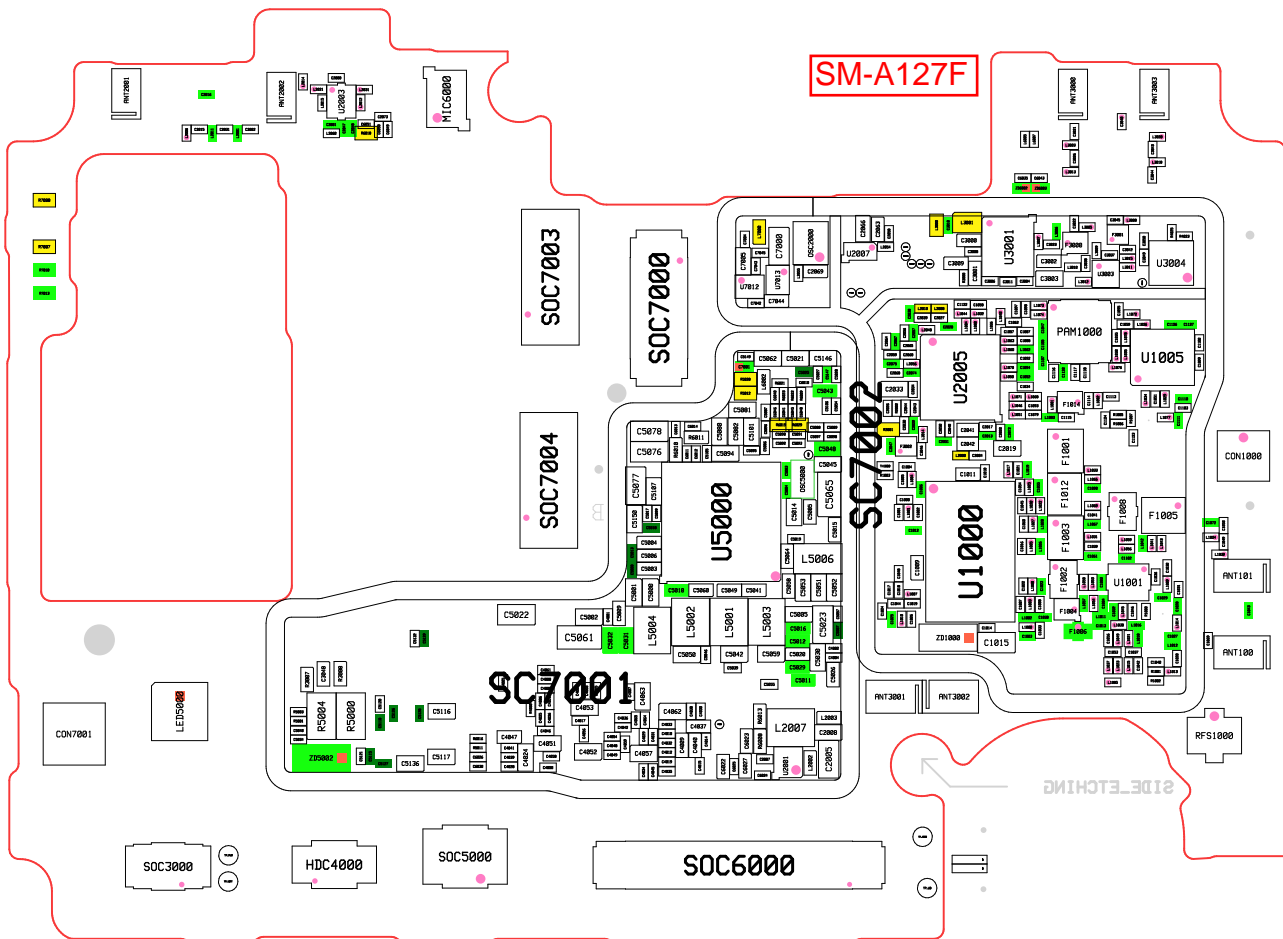
UME5000

SOC7001

SOC7002

SIDE_ETCHING





SM-A127M

SIM5001

SIM5002

SIM5000

SIM5003

SC7000

UCP4000

UME5000

SOC7001

SOC7002

SIDE_ETCHING

CON7000

CON7002

BOTH7000

PNT7004

PNT7002

PNT7003

PNT7001

PNT7005

PNT7006

PNT7007

PNT7008

PNT7009

PNT7010

PNT7011

PNT7012

PNT7013

PNT7014

PNT7015

PNT7016

PNT7017

PNT7018

PNT7019

PNT7020

PNT7021

PNT7022

PNT7023

PNT7024

PNT7025

PNT7026

PNT7027

PNT7028

PNT7029

PNT7030

PNT7031

PNT7032

PNT7033

PNT7034

PNT7035

PNT7036

PNT7037

PNT7038

PNT7039

PNT7040

PNT7041

PNT7042

PNT7043

PNT7044

PNT7045

PNT7046

PNT7047

PNT7048

PNT7049

PNT7050

PNT7051

PNT7052

PNT7053

PNT7054

PNT7055

PNT7056

PNT7057

PNT7058

PNT7059

PNT7060

PNT7061

PNT7062

PNT7063

PNT7064

PNT7065

PNT7066

PNT7067

PNT7068

PNT7069

PNT7070

PNT7071

PNT7072

PNT7073

PNT7074

PNT7075

PNT7076

PNT7077

PNT7078

PNT7079

PNT7080

PNT7081

PNT7082

PNT7083

PNT7084

PNT7085

PNT7086

PNT7087

PNT7088

PNT7089

PNT7090

PNT7091

PNT7092

PNT7093

PNT7094

PNT7095

PNT7096

PNT7097

PNT7098

PNT7099

PNT7100

PNT7101

PNT7102

PNT7103

PNT7104

PNT7105

PNT7106

PNT7107

PNT7108

PNT7109

PNT7110

PNT7111

PNT7112

PNT7113

PNT7114

PNT7115

PNT7116

PNT7117

PNT7118

PNT7119

PNT7120

PNT7121

PNT7122

PNT7123

PNT7124

PNT7125

PNT7126

PNT7127

PNT7128

PNT7129

PNT7130

PNT7131

PNT7132

PNT7133

PNT7134

PNT7135

PNT7136

PNT7137

PNT7138

PNT7139

PNT7140

PNT7141

PNT7142

PNT7143

PNT7144

PNT7145

PNT7146

PNT7147

PNT7148

PNT7149

PNT7150

PNT7151

PNT7152

PNT7153

PNT7154

PNT7155

PNT7156

PNT7157

PNT7158

PNT7159

PNT7160

PNT7161

PNT7162

PNT7163

PNT7164

PNT7165

PNT7166

PNT7167

PNT7168

PNT7169

PNT7170

PNT7171

PNT7172

PNT7173

PNT7174

PNT7175

PNT7176

PNT7177

PNT7178

PNT7179

PNT7180

PNT7181

PNT7182

PNT7183

PNT7184

PNT7185

PNT7186

PNT7187

PNT7188

PNT7189

PNT7190

PNT7191

PNT7192

PNT7193

PNT7194

PNT7195

PNT7196

PNT7197

PNT7198

PNT7199

PNT7200

PNT7201

PNT7202

PNT7203

PNT7204

PNT7205

PNT7206

PNT7207

PNT7208

PNT7209

PNT7210

PNT7211

PNT7212

PNT7213

PNT7214

PNT7215

PNT7216

PNT7217

PNT7218

PNT7219

PNT7220

PNT7221

PNT7222

PNT7223

PNT7224

PNT7225

PNT7226

PNT7227

PNT7228

PNT7229

PNT7230

PNT7231

PNT7232

PNT7233

PNT7234

PNT7235

PNT7236

PNT7237

PNT7238

PNT7239

PNT7240

PNT7241

PNT7242

PNT7243

PNT7244

PNT7245

PNT7246

PNT7247

PNT7248

PNT7249

PNT7250

PNT7251

PNT7252

PNT7253

PNT7254

PNT7255

PNT7256

PNT7257

PNT7258

PNT7259

PNT7260

PNT7261

PNT7262

PNT7263

PNT7264

PNT7265

PNT7266

PNT7267

PNT7268

PNT7269

PNT7270

PNT7271

PNT7272

PNT7273

PNT7274

PNT7275

PNT7276

PNT7277

PNT7278

PNT7279

PNT7280

PNT7281

PNT7282

PNT7283

PNT7284

PNT7285

PNT7286

PNT7287

PNT7288

PNT7289

PNT7290

PNT7291

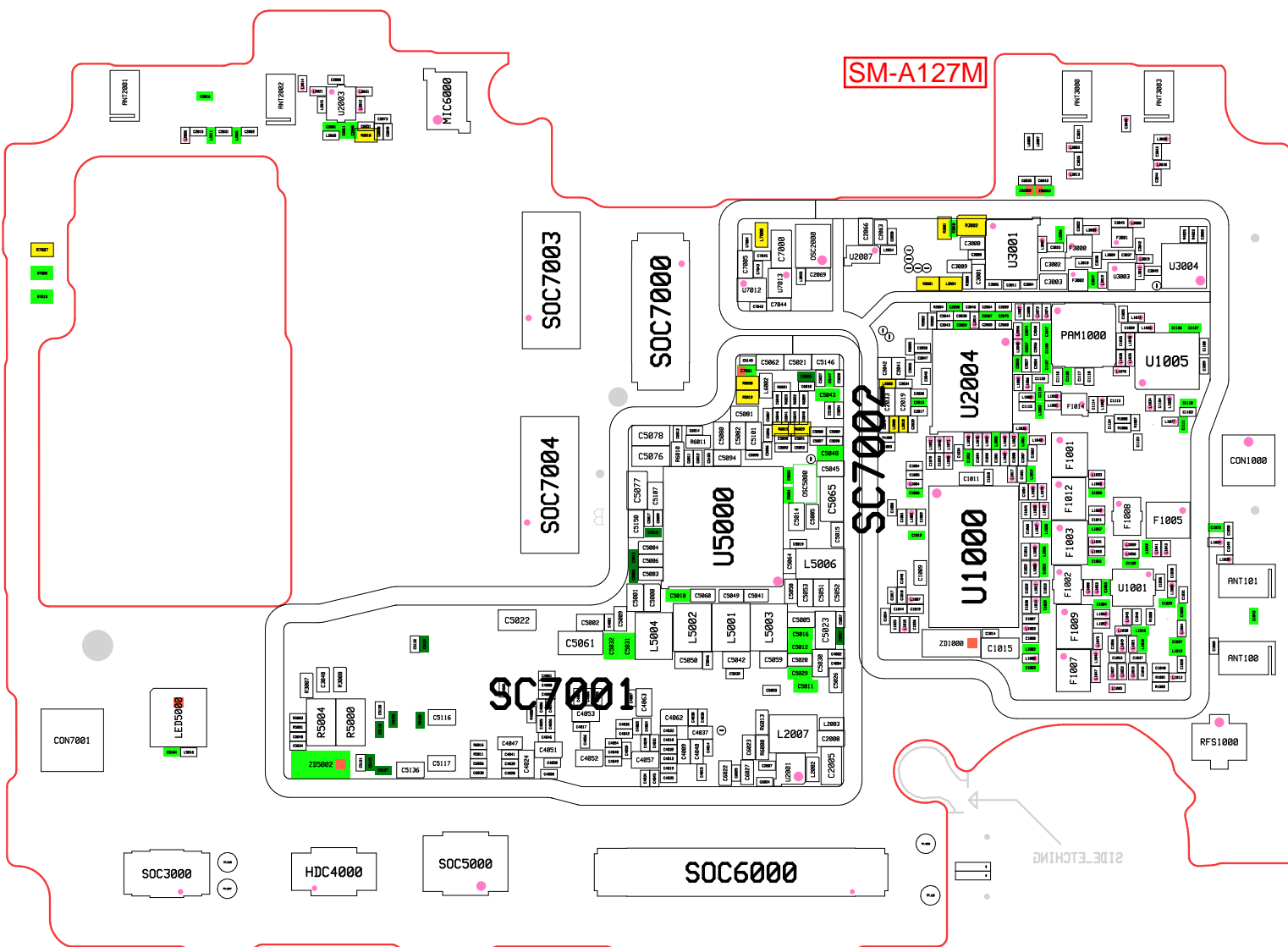
PNT7292

PNT7293

PNT7294

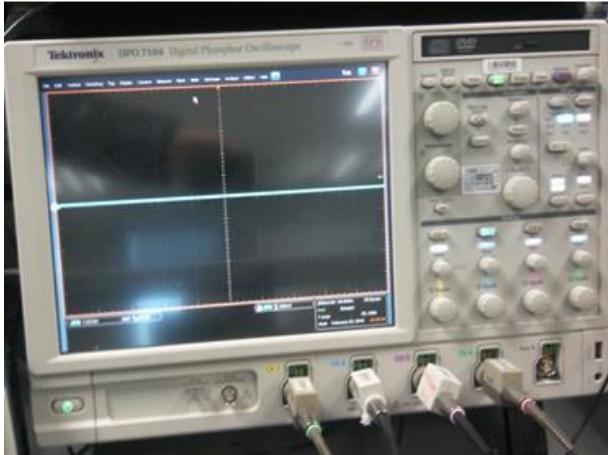
PNT7295

PNT7296



8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



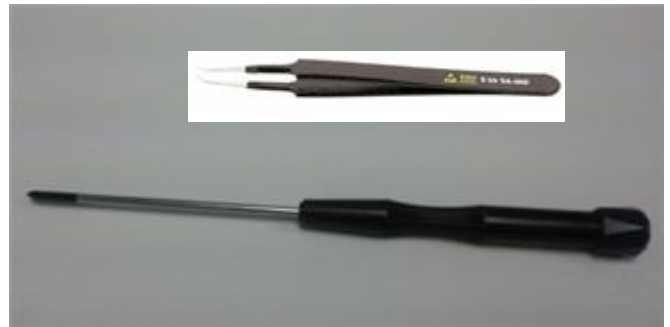
Oscilloscope



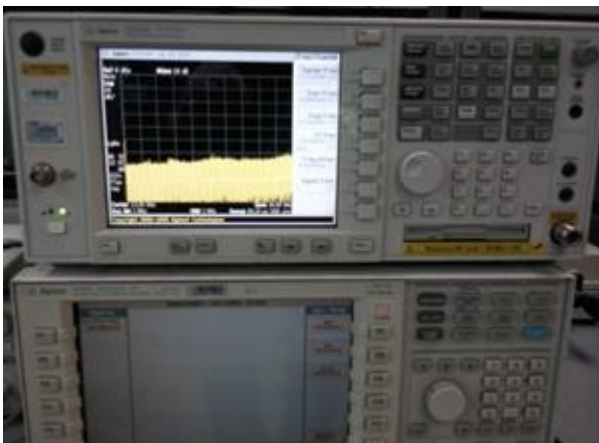
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



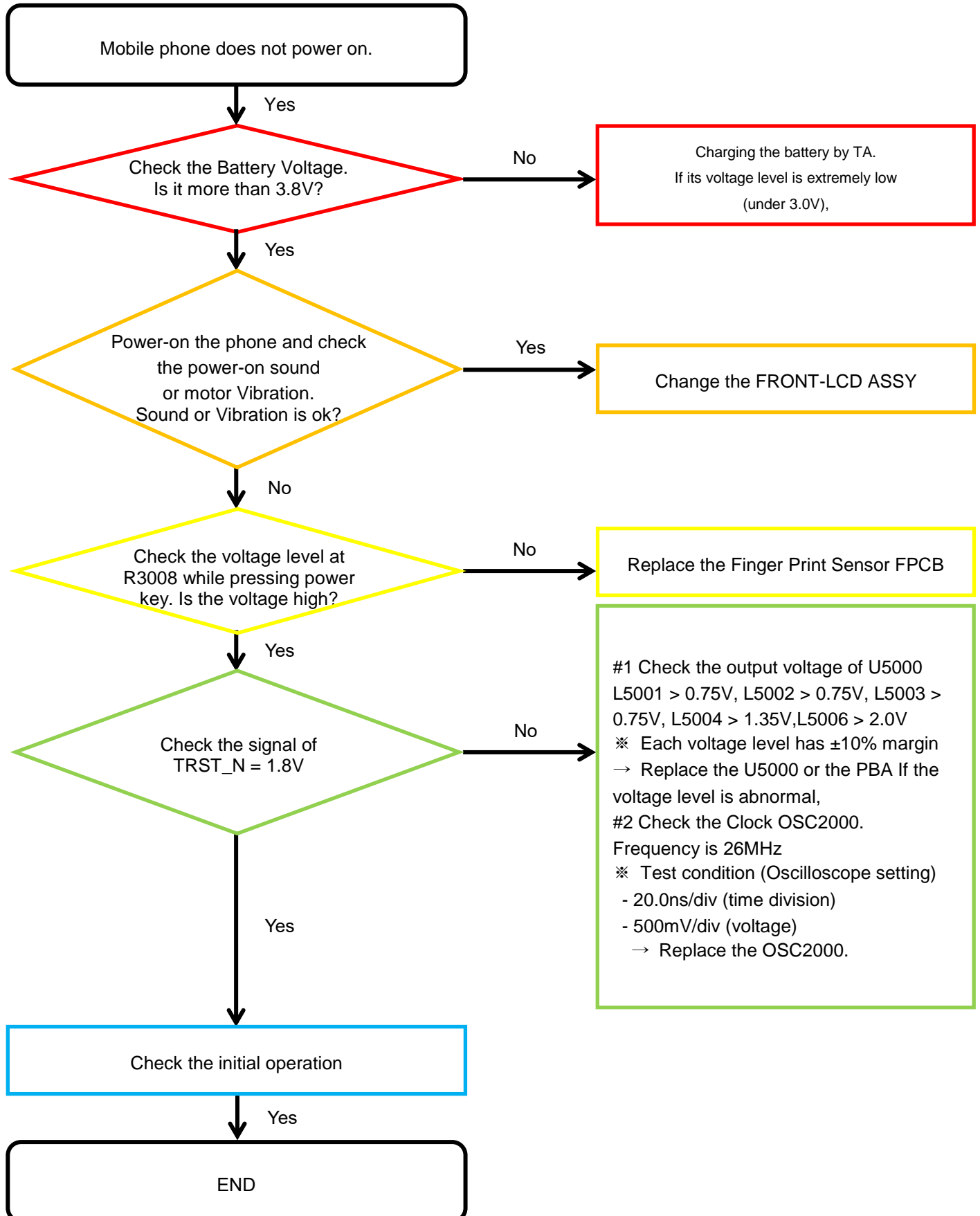
8960 & Spectrum Analyzer



Soldering iron

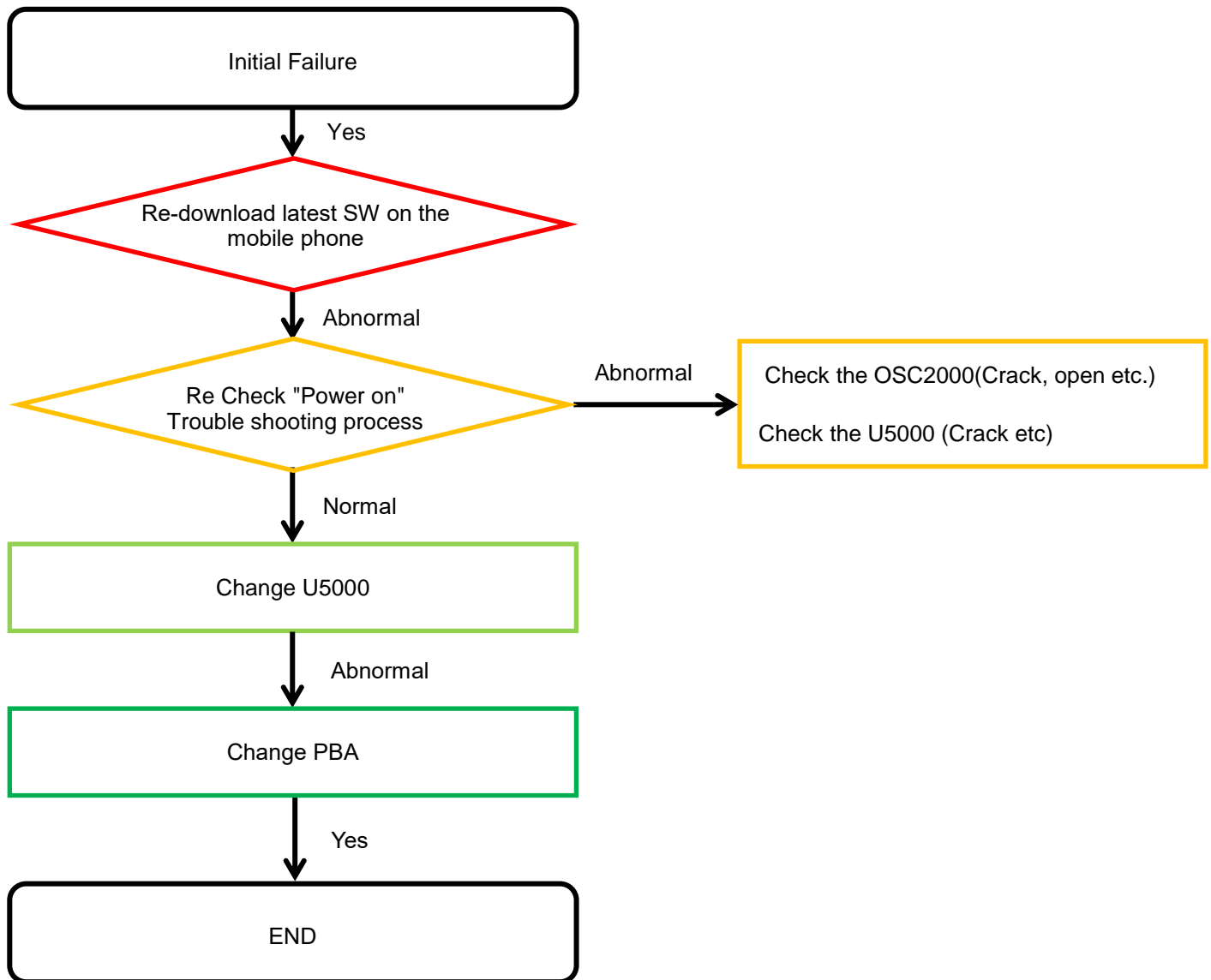
8. Level 3 Repair

8-4-1. Power On



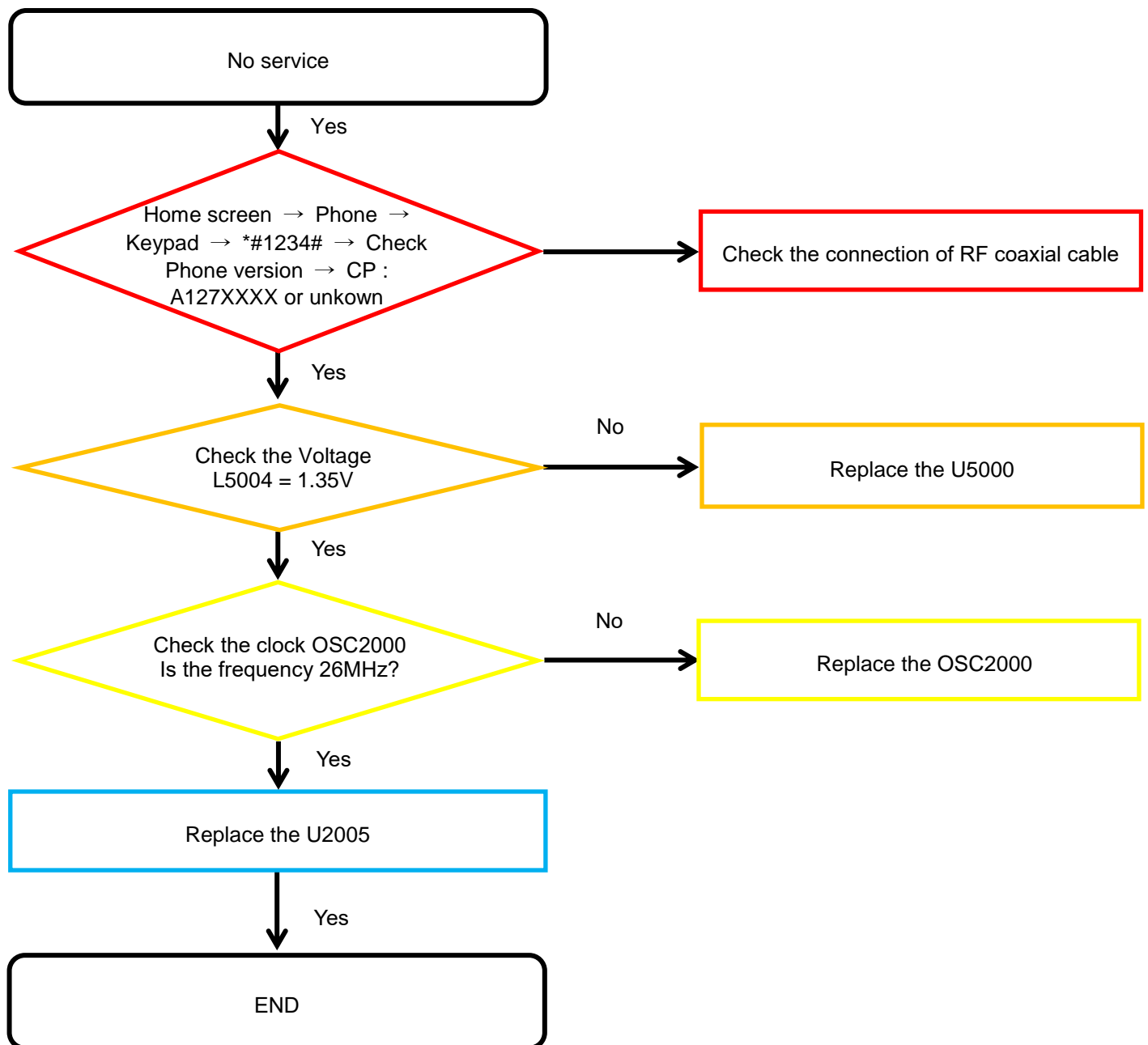
8. Level 3 Repair

8-4-2. Initial



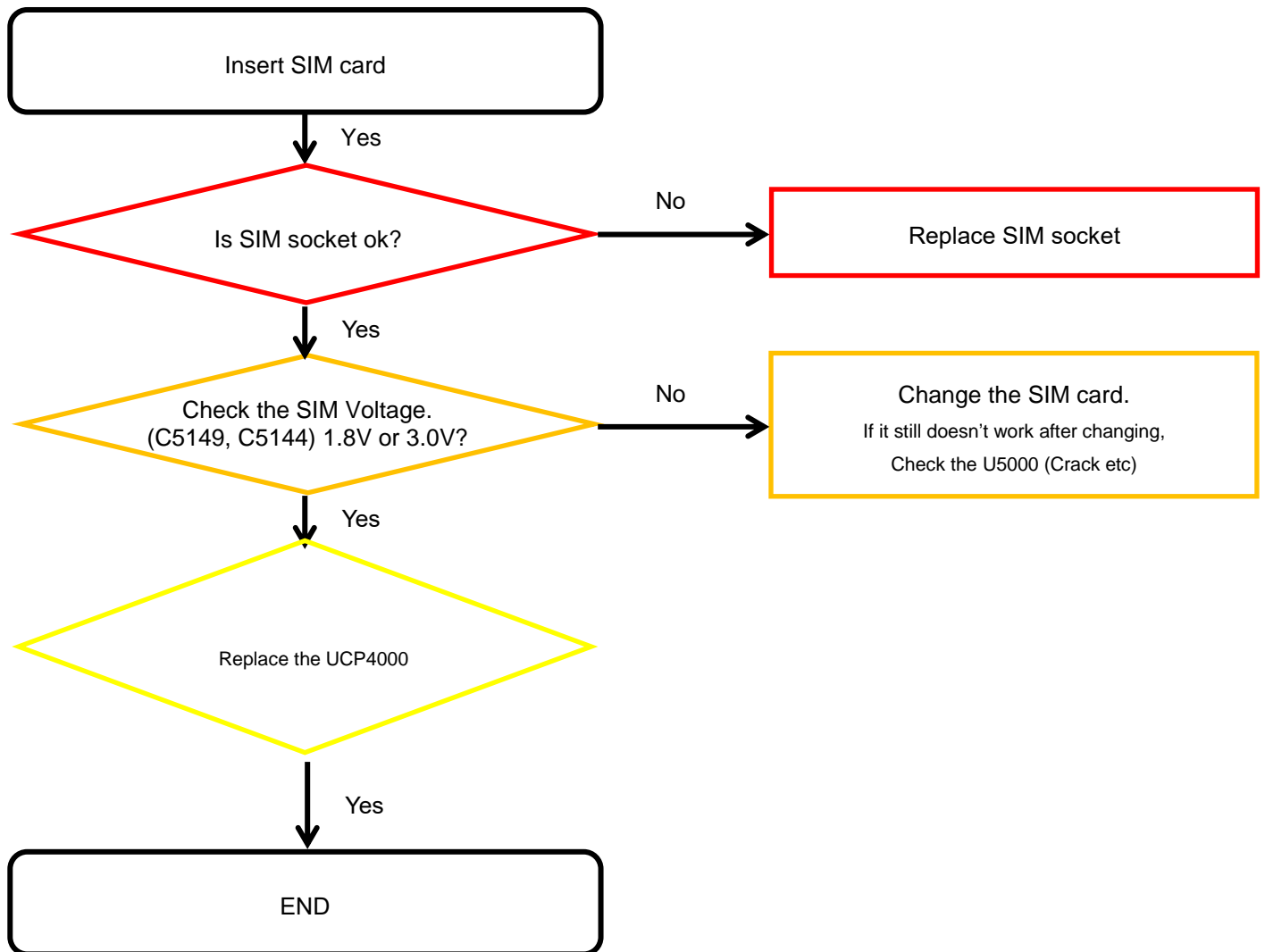
8. Level 3 Repair

8-4-3. No Service



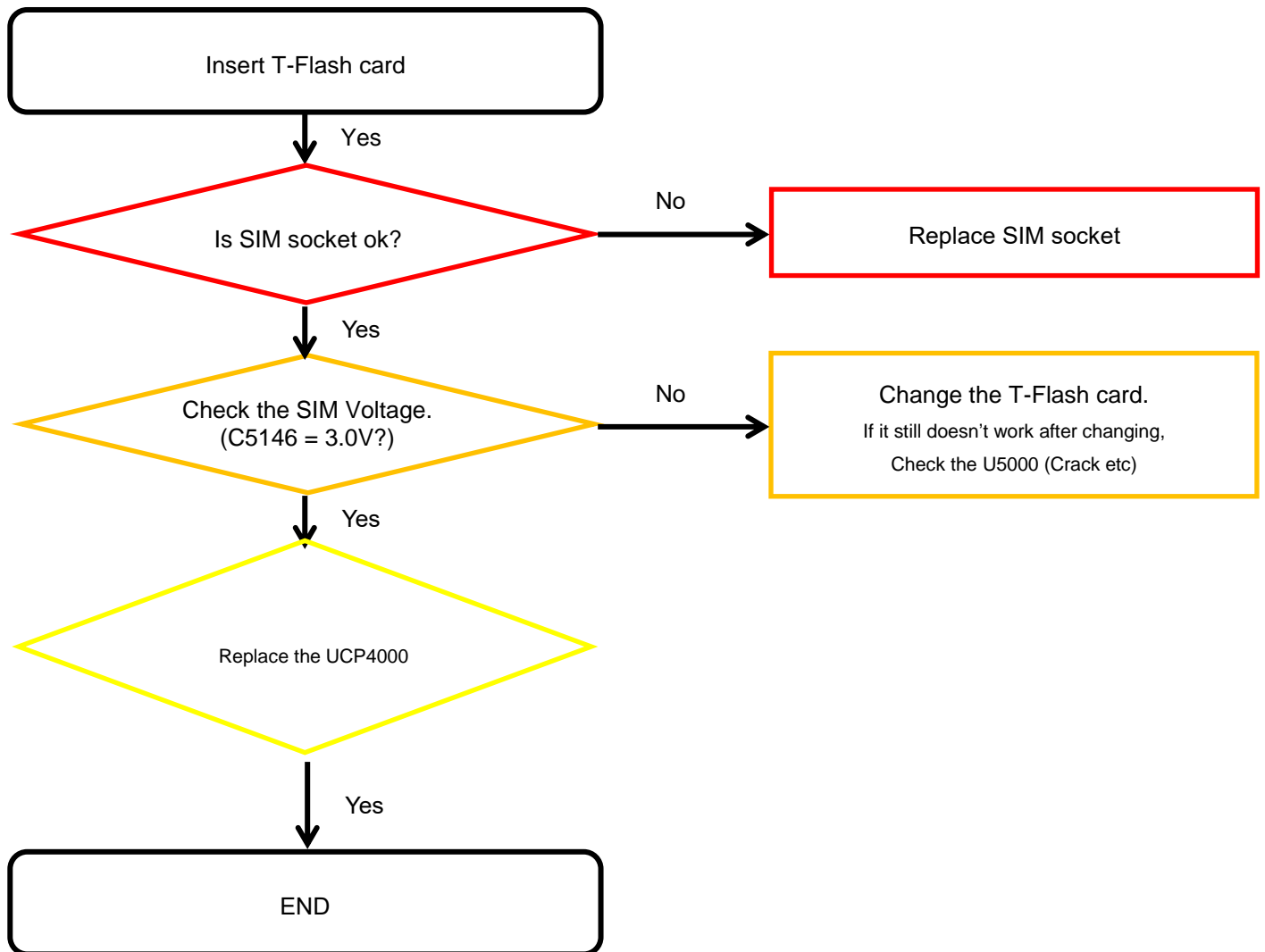
8. Level 3 Repair

8-4-4. SIM Part



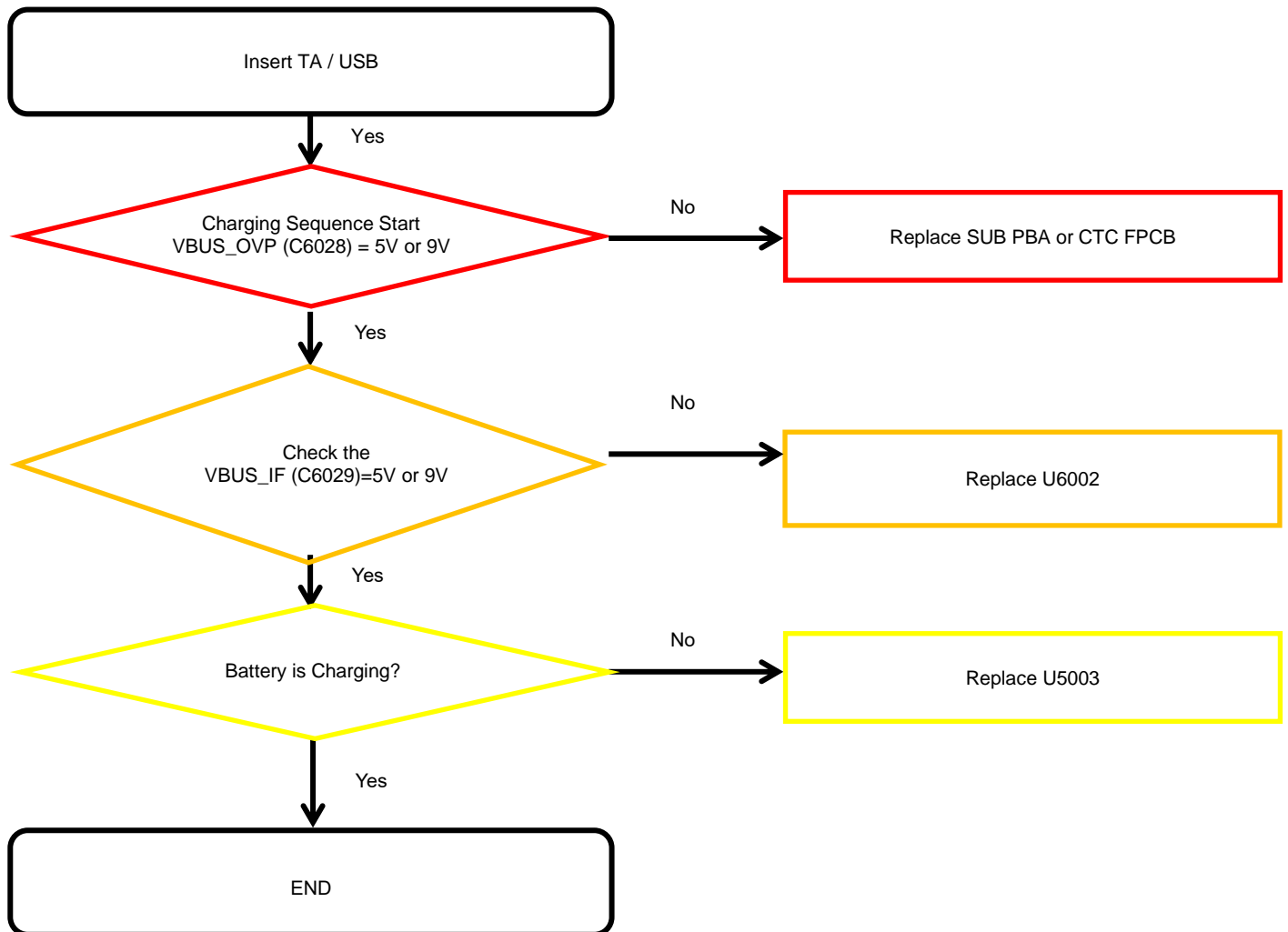
8. Level 3 Repair

8-4-5. T-Flash Part



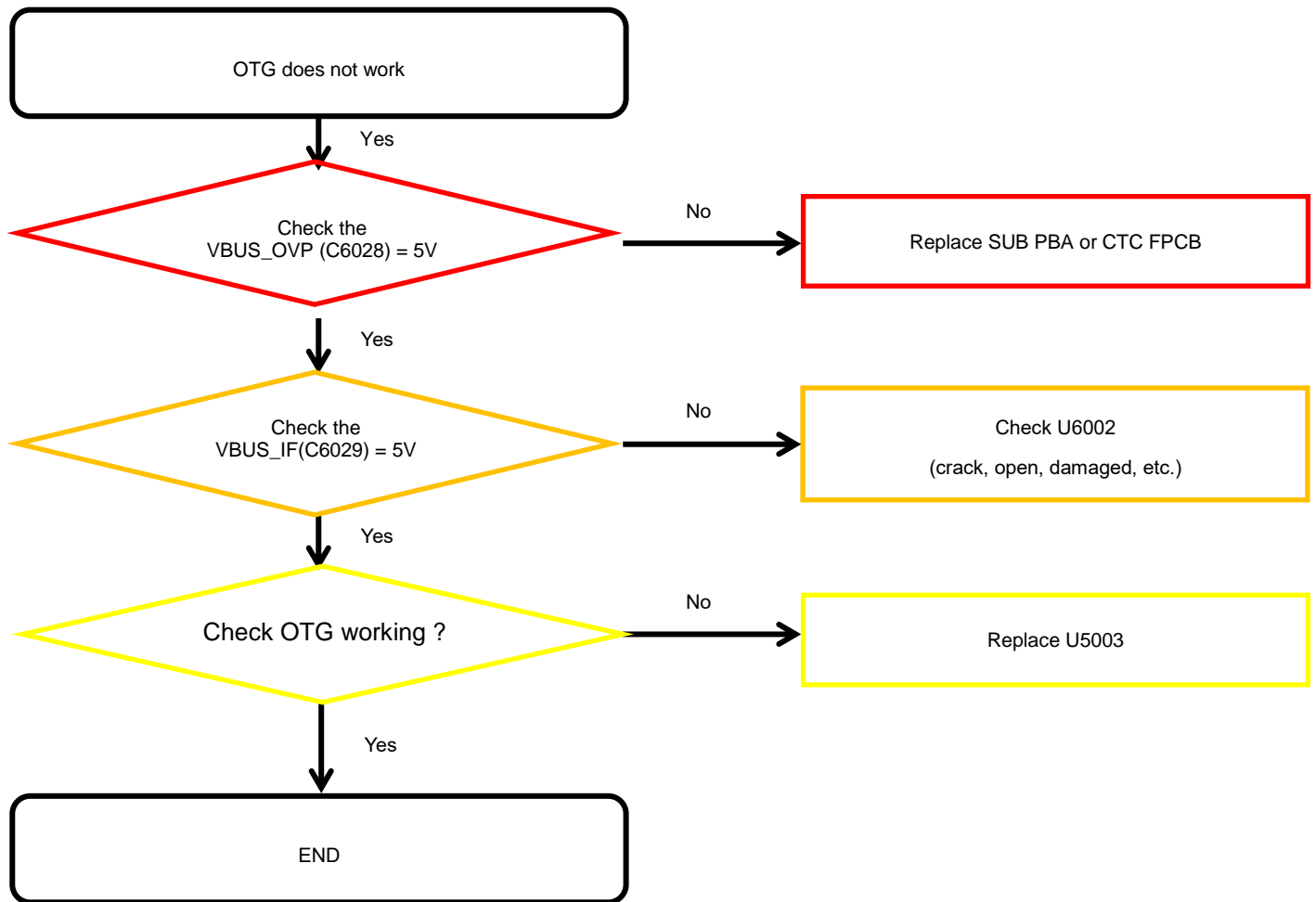
8. Level 3 Repair

8-4-6. Cable Charging Part (15W)



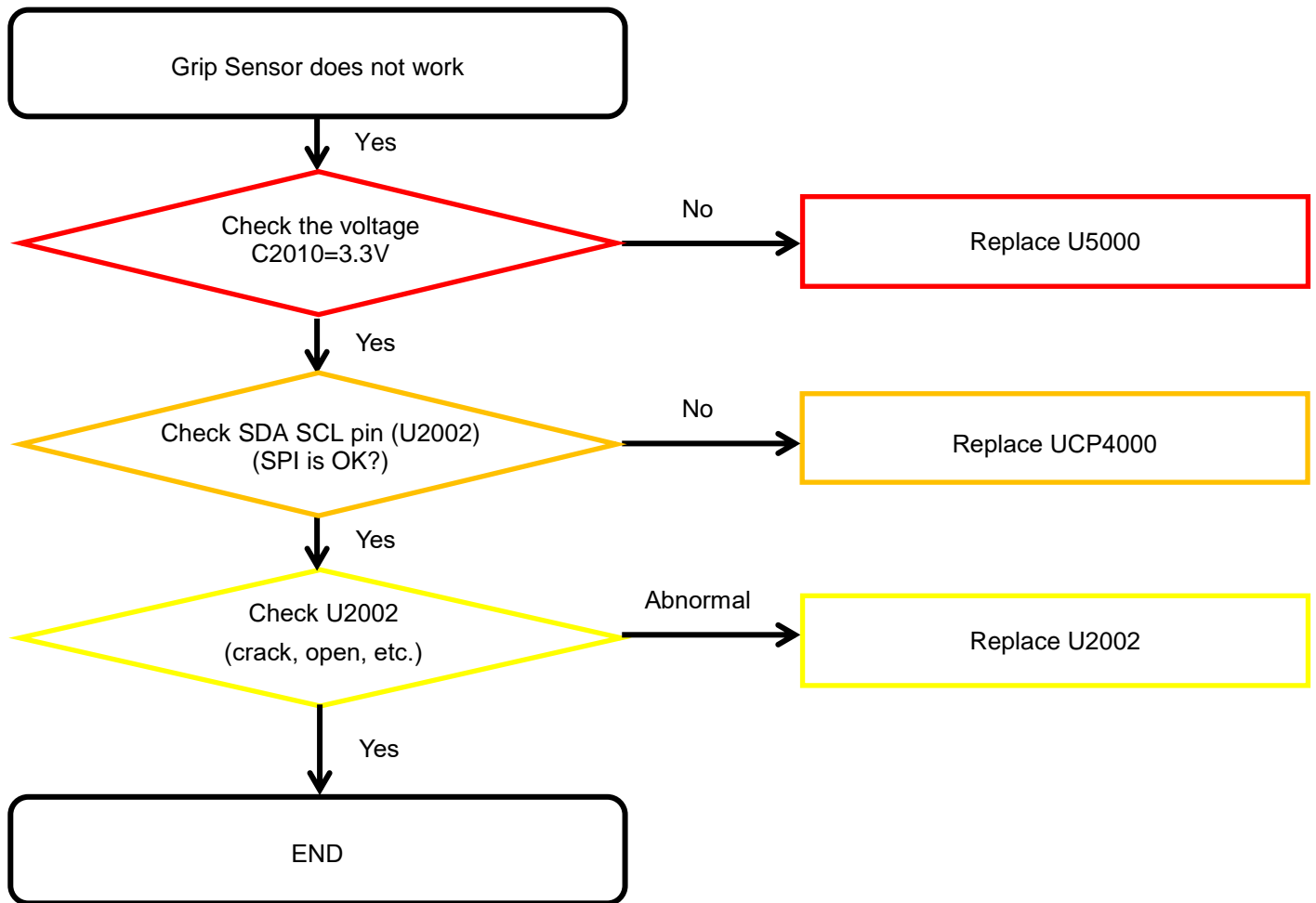
8. Level 3 Repair

8-4-7. OTG



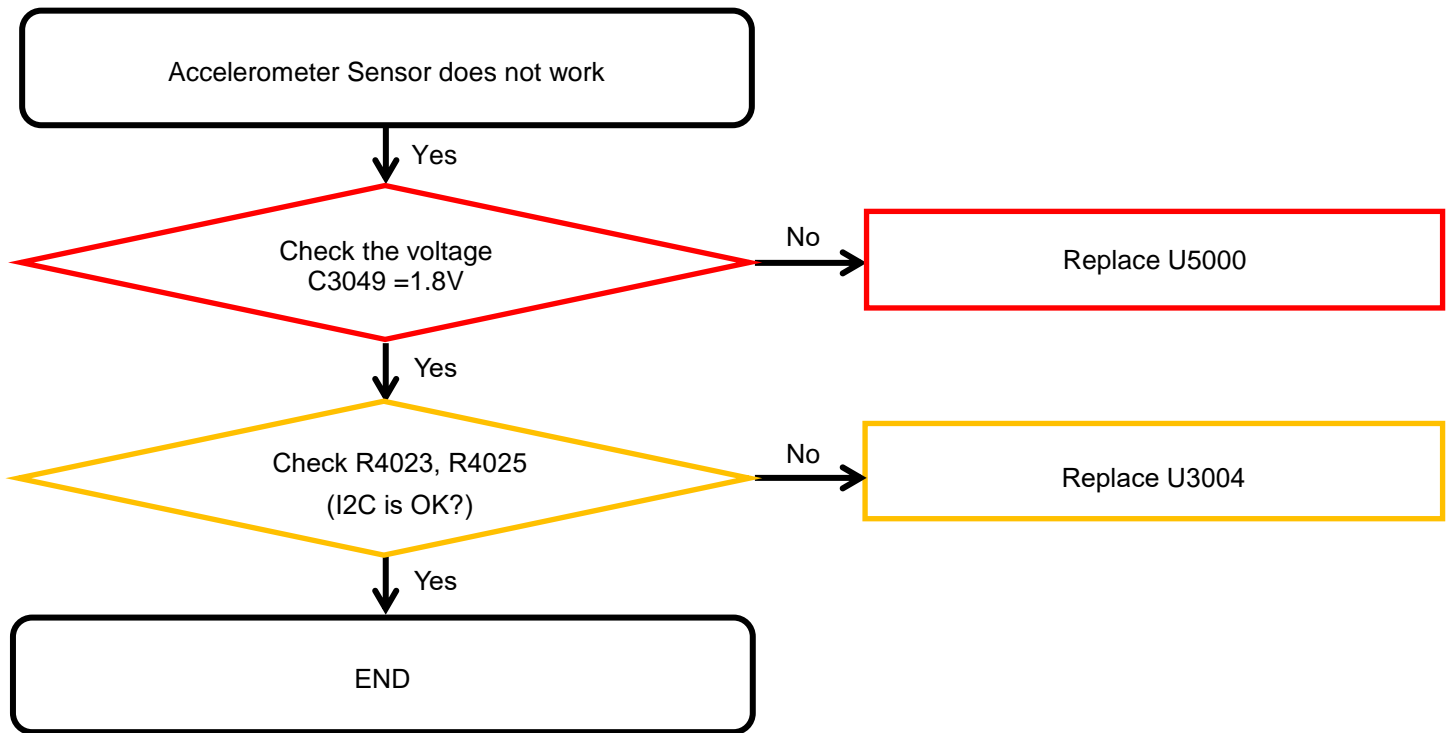
8. Level 3 Repair

8-4-8-1. Grip Sensor



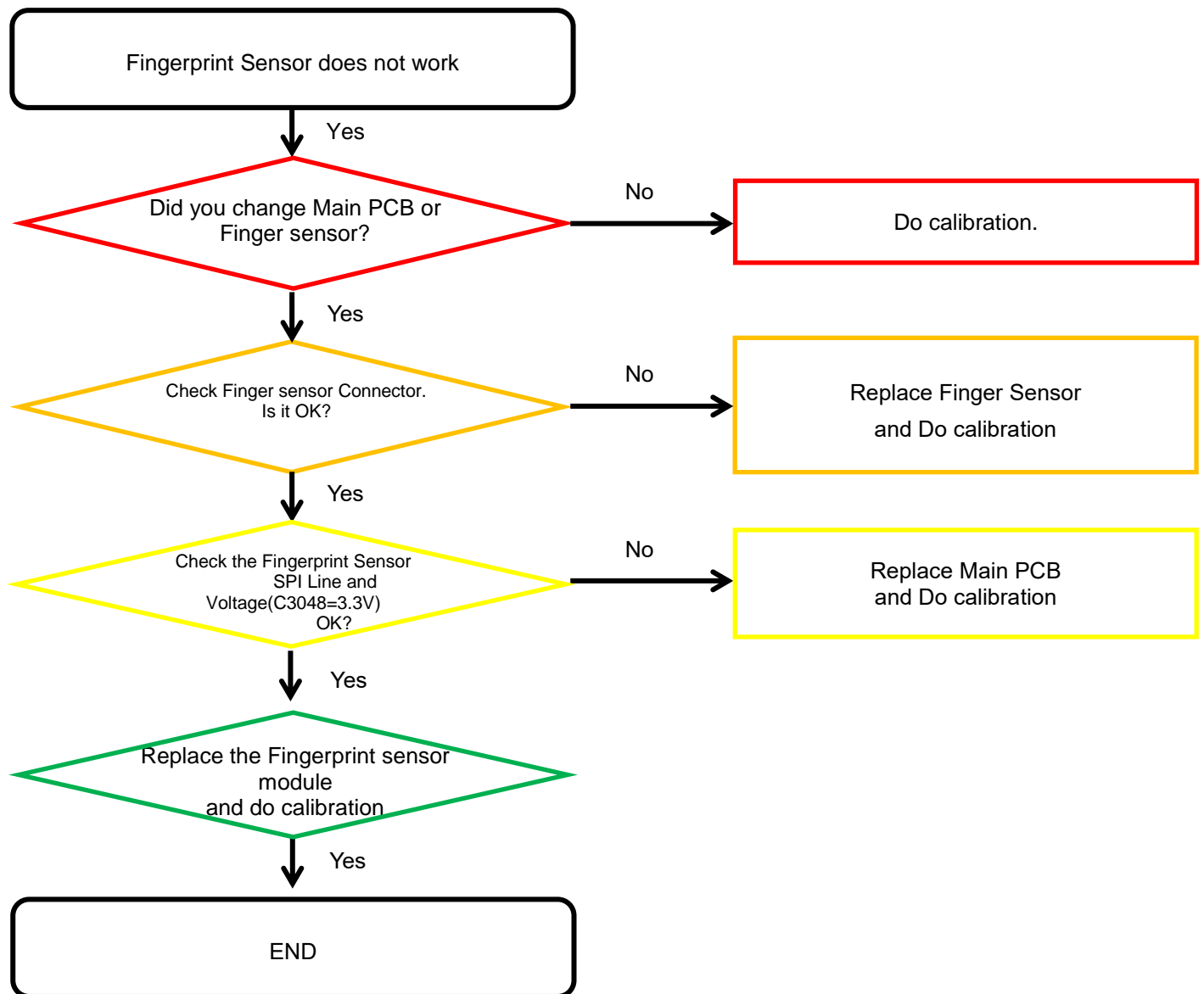
8. Level 3 Repair

8-4-8-2. Accelerometer Sensor



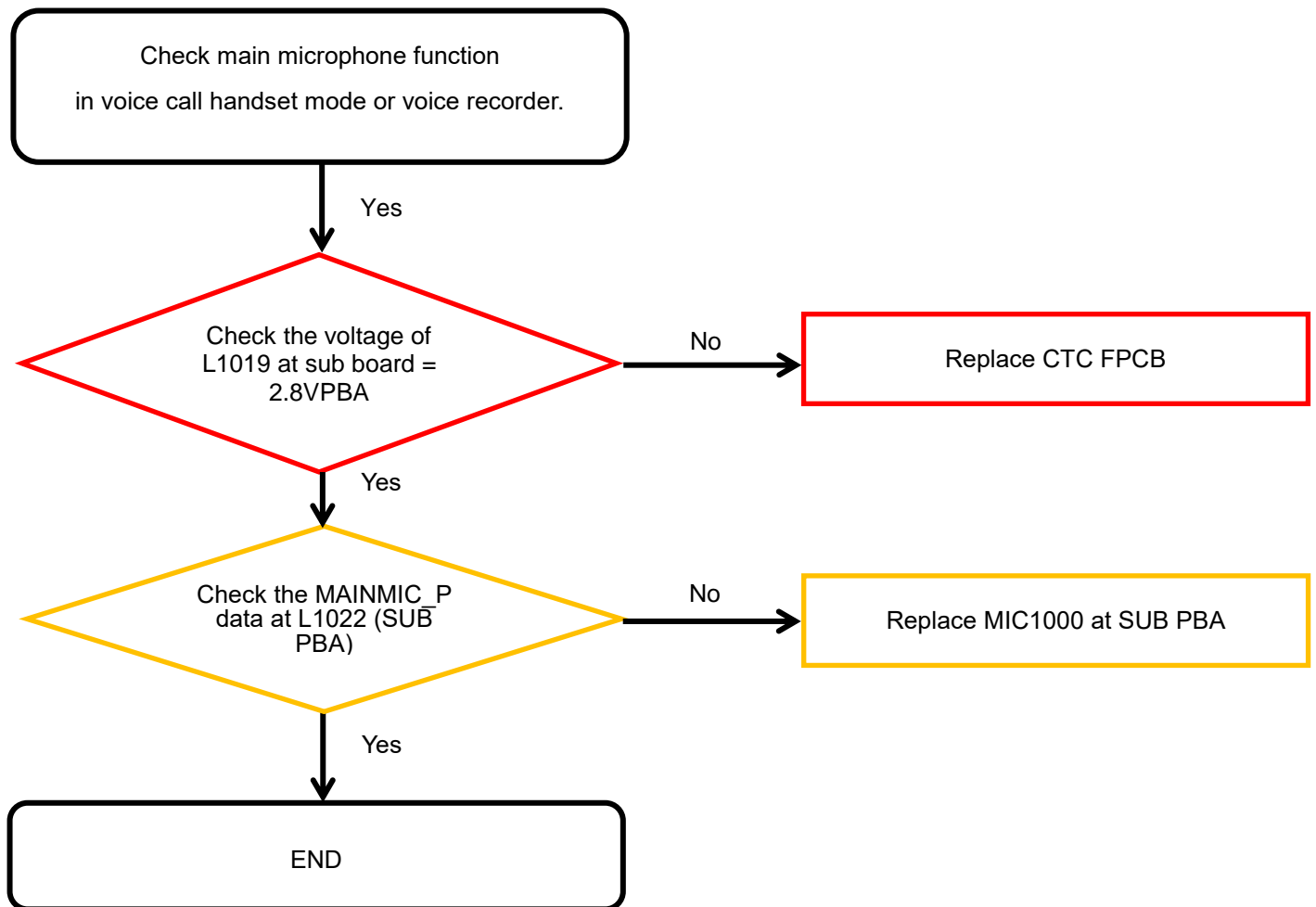
8. Level 3 Repair

8-4-8-3. Fingerprint Sensor



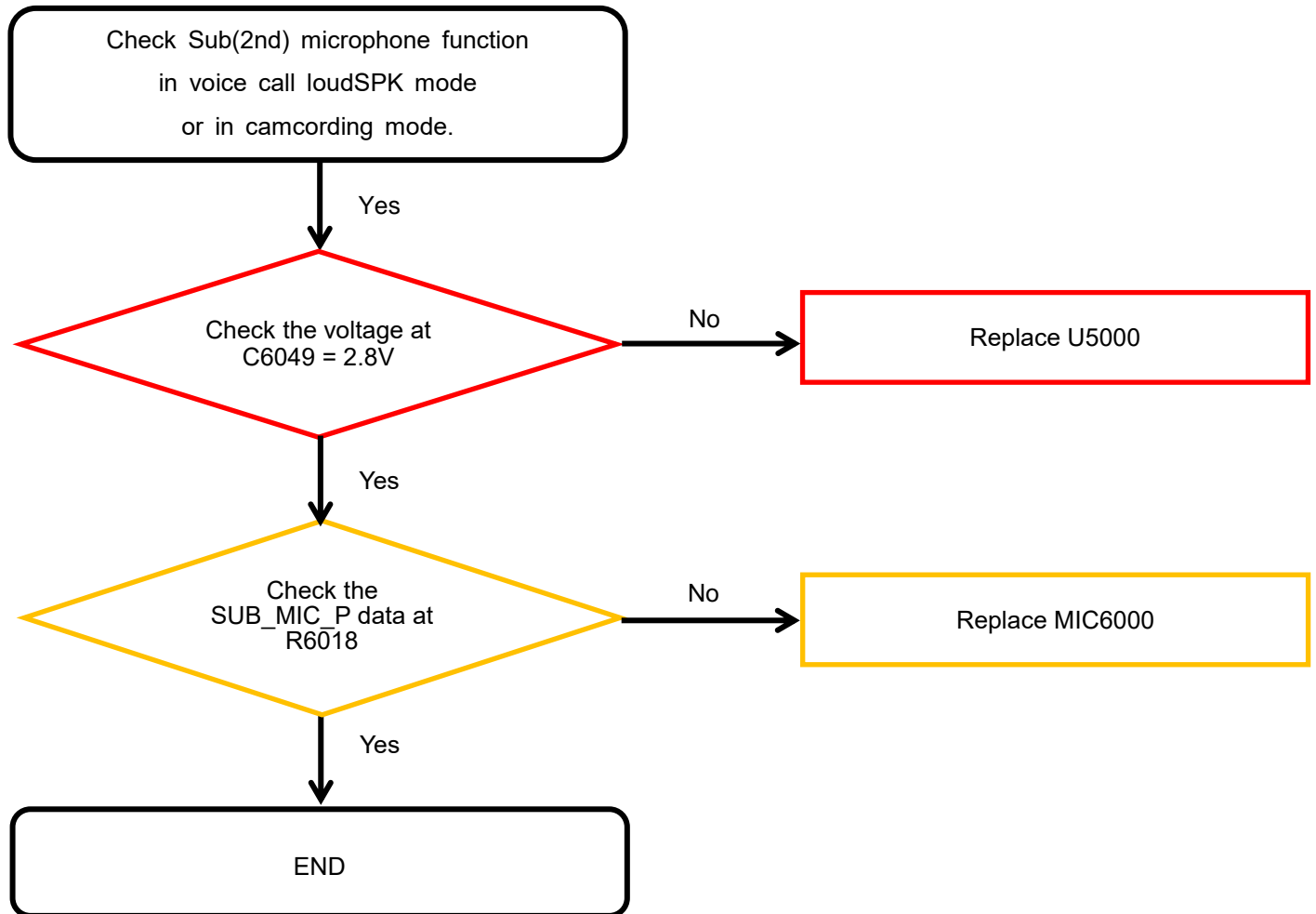
8. Level 3 Repair

8-4-9-1. Microphone Part – MAIN MIC



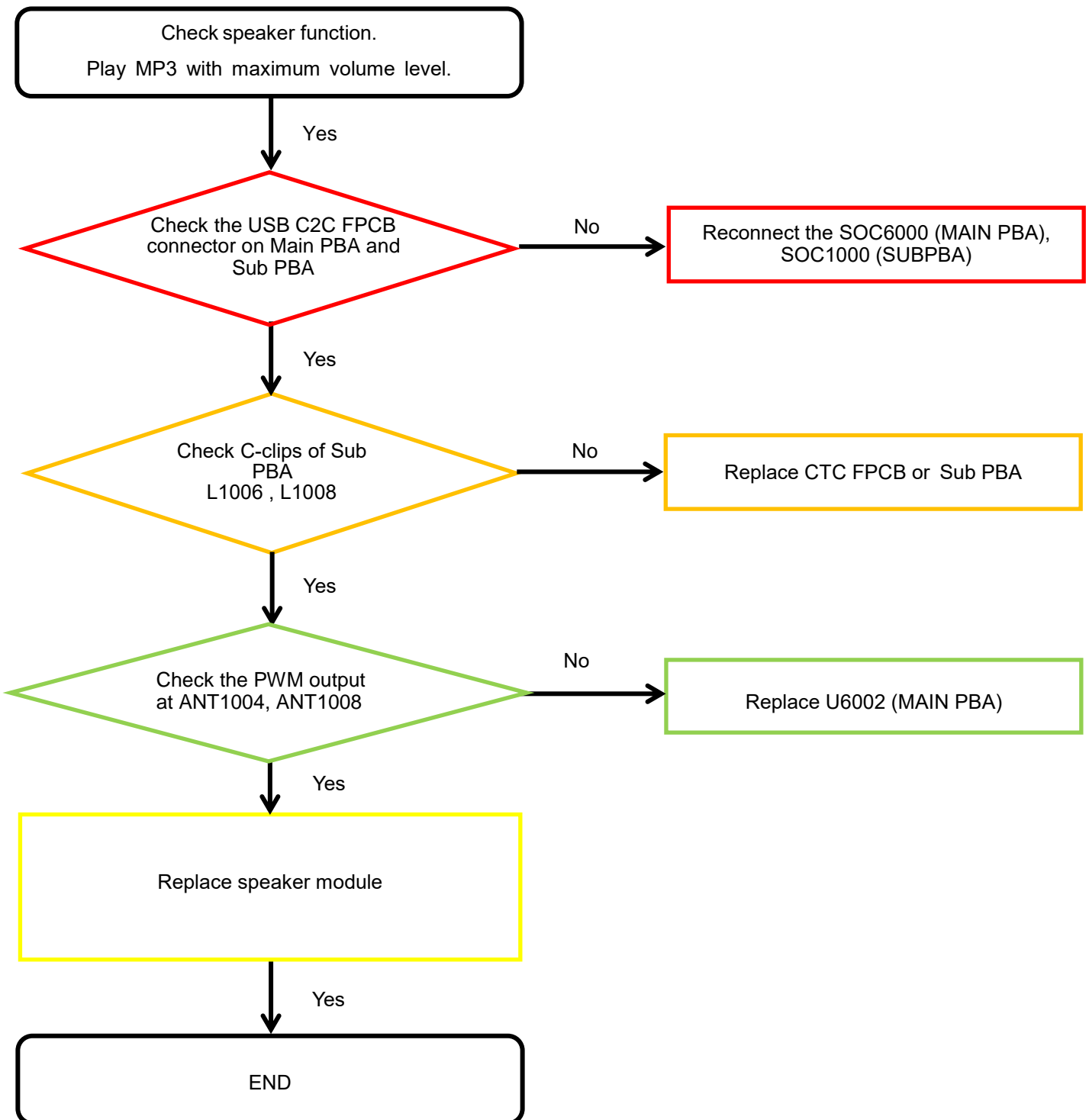
8. Level 3 Repair

8-4-9-2. Microphone Part – 2nd MIC



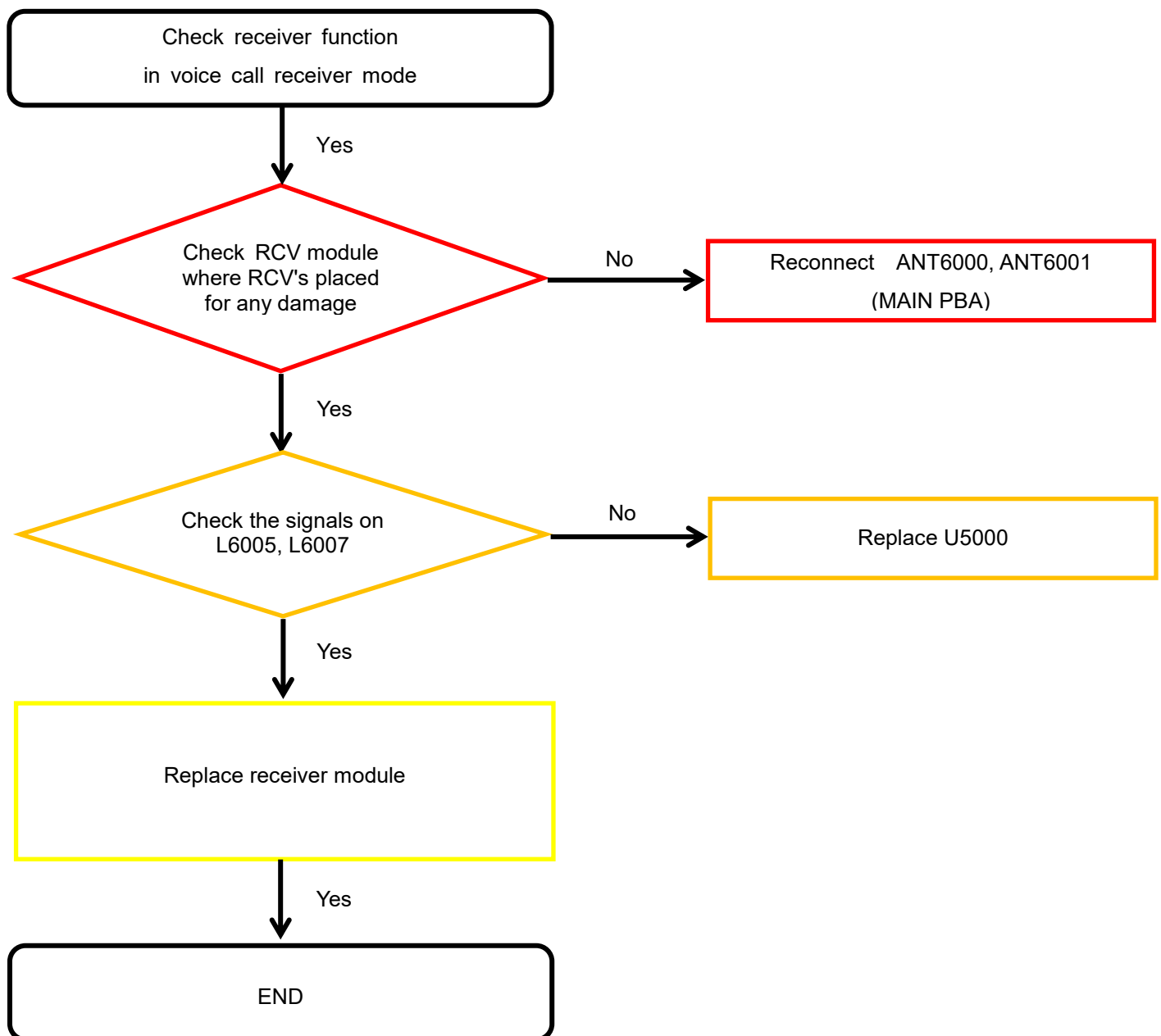
8. Level 3 Repair

8-4-10. Speaker Part



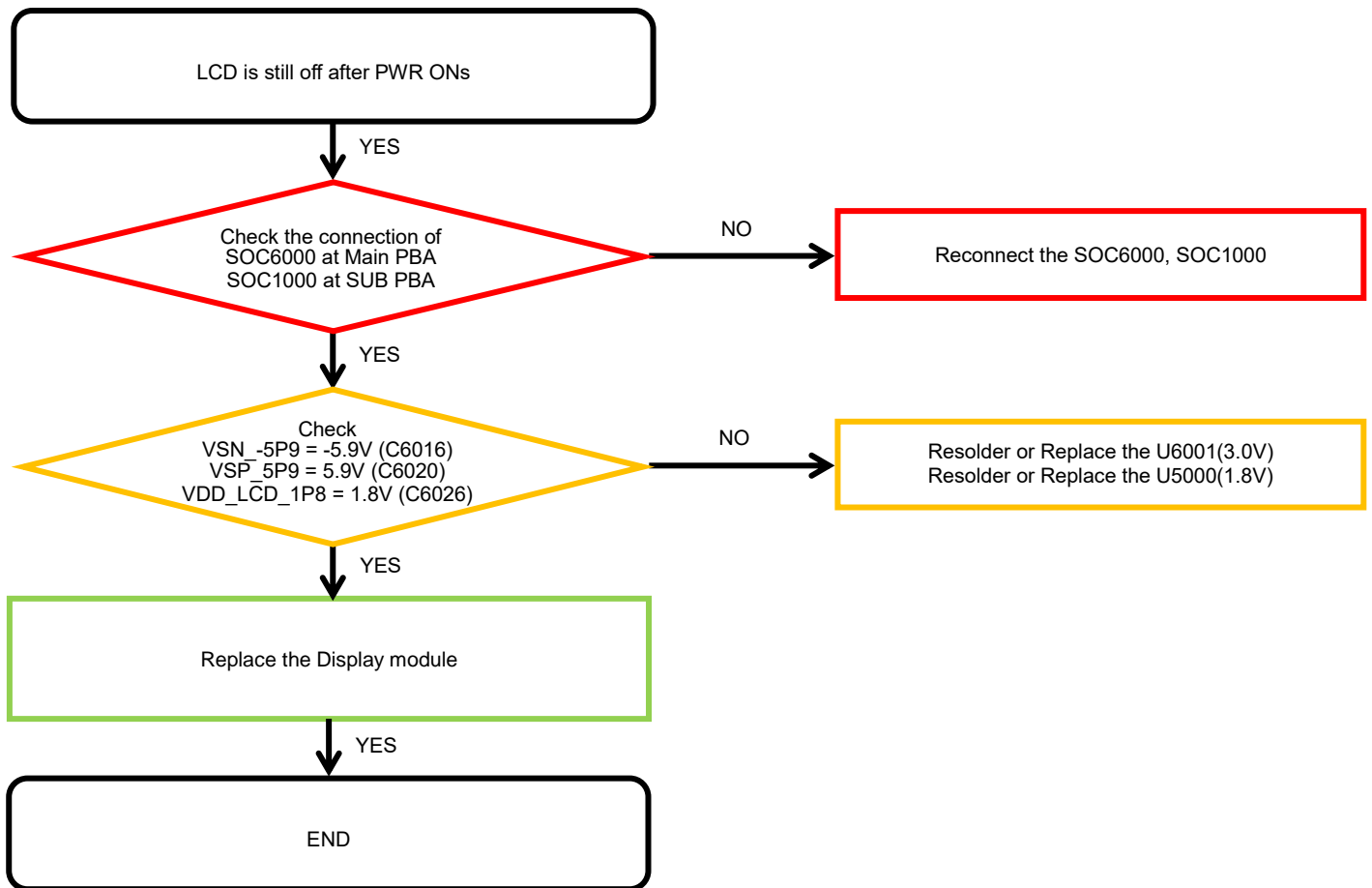
8. Level 3 Repair

8-4-11. Receiver Part



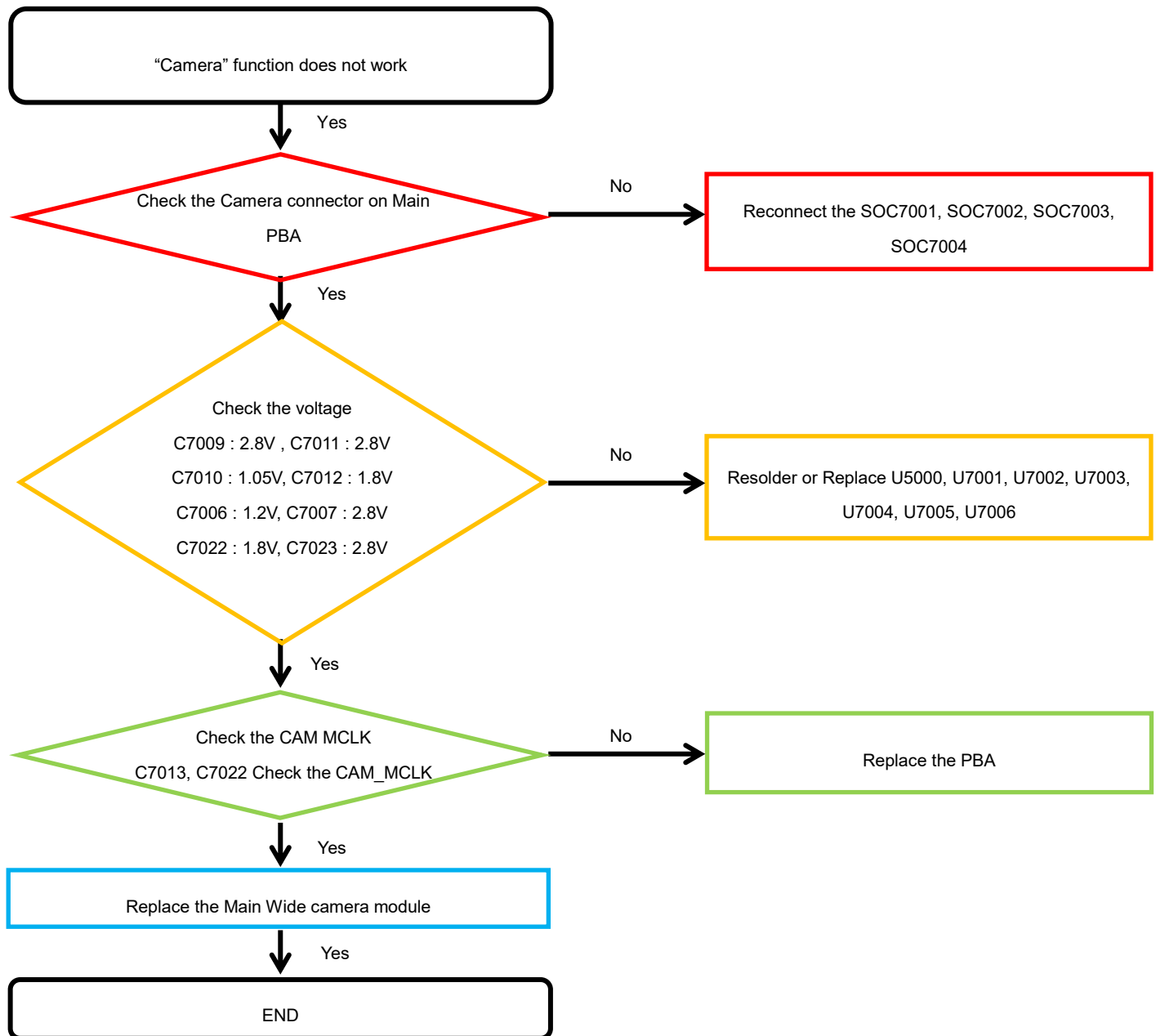
8. Level 3 Repair

8-4-12. Display



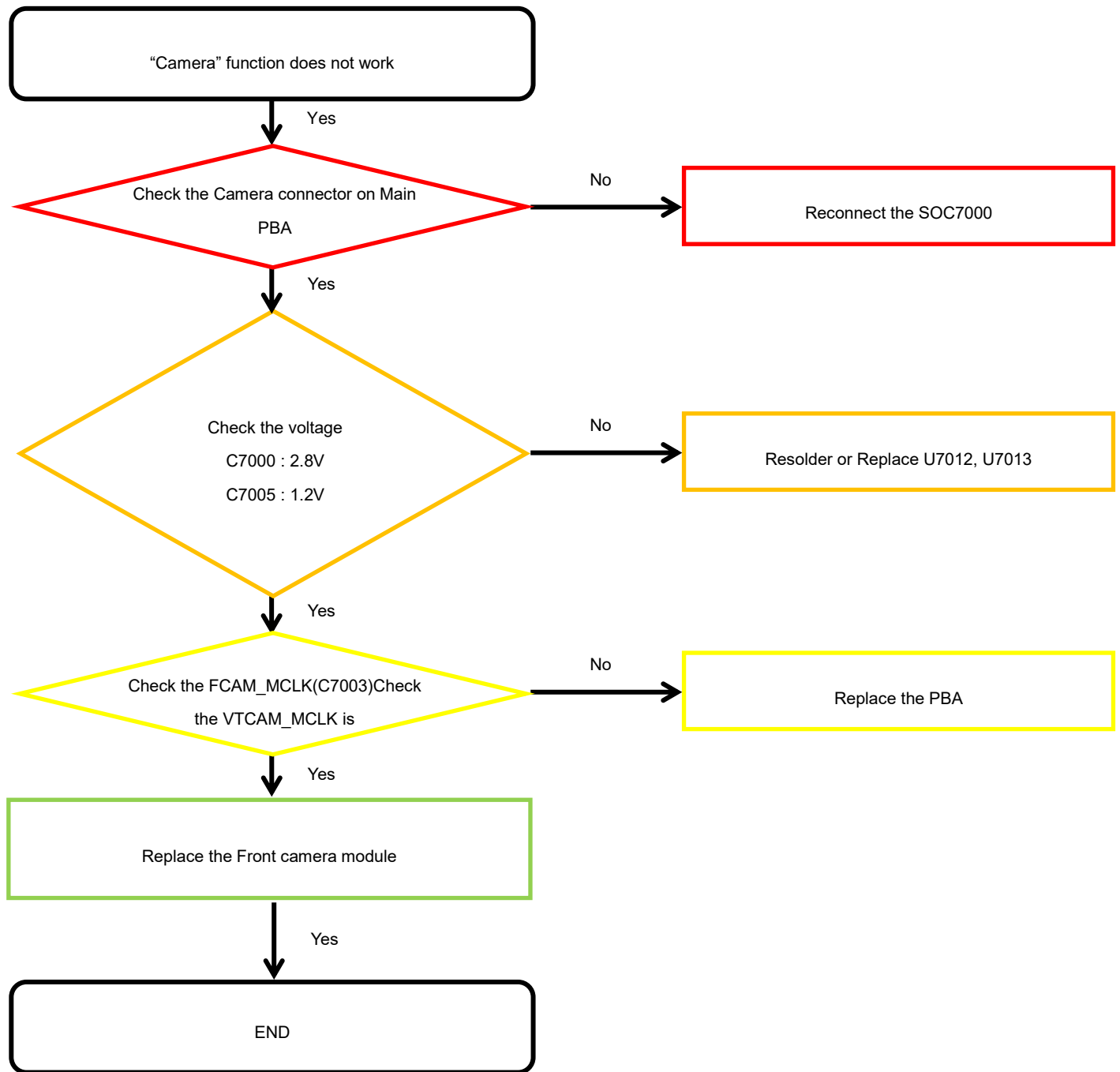
8. Level 3 Repair

8-4-13. Quad Camera



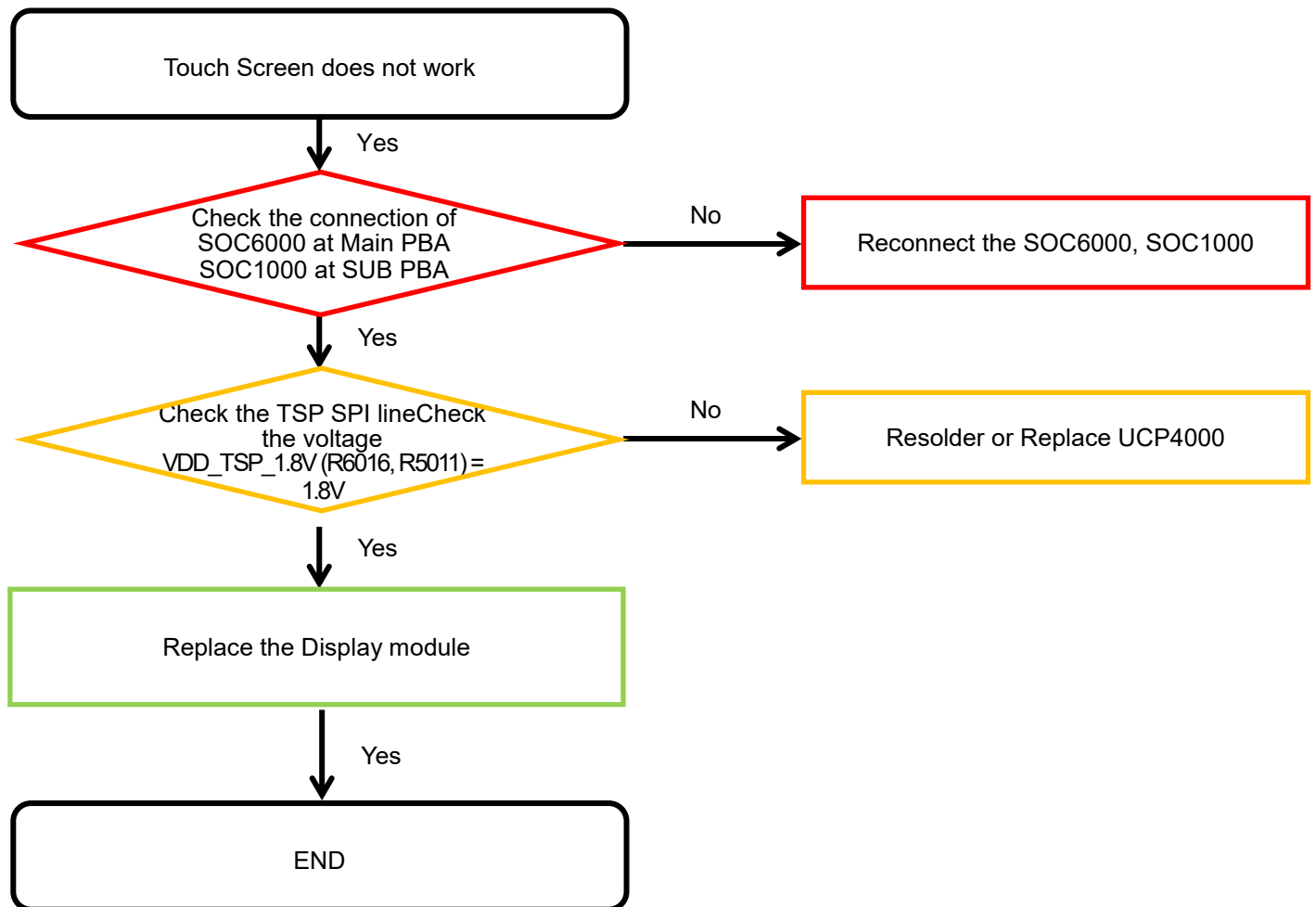
8. Level 3 Repair

8-4-14. FRONT CAMERA



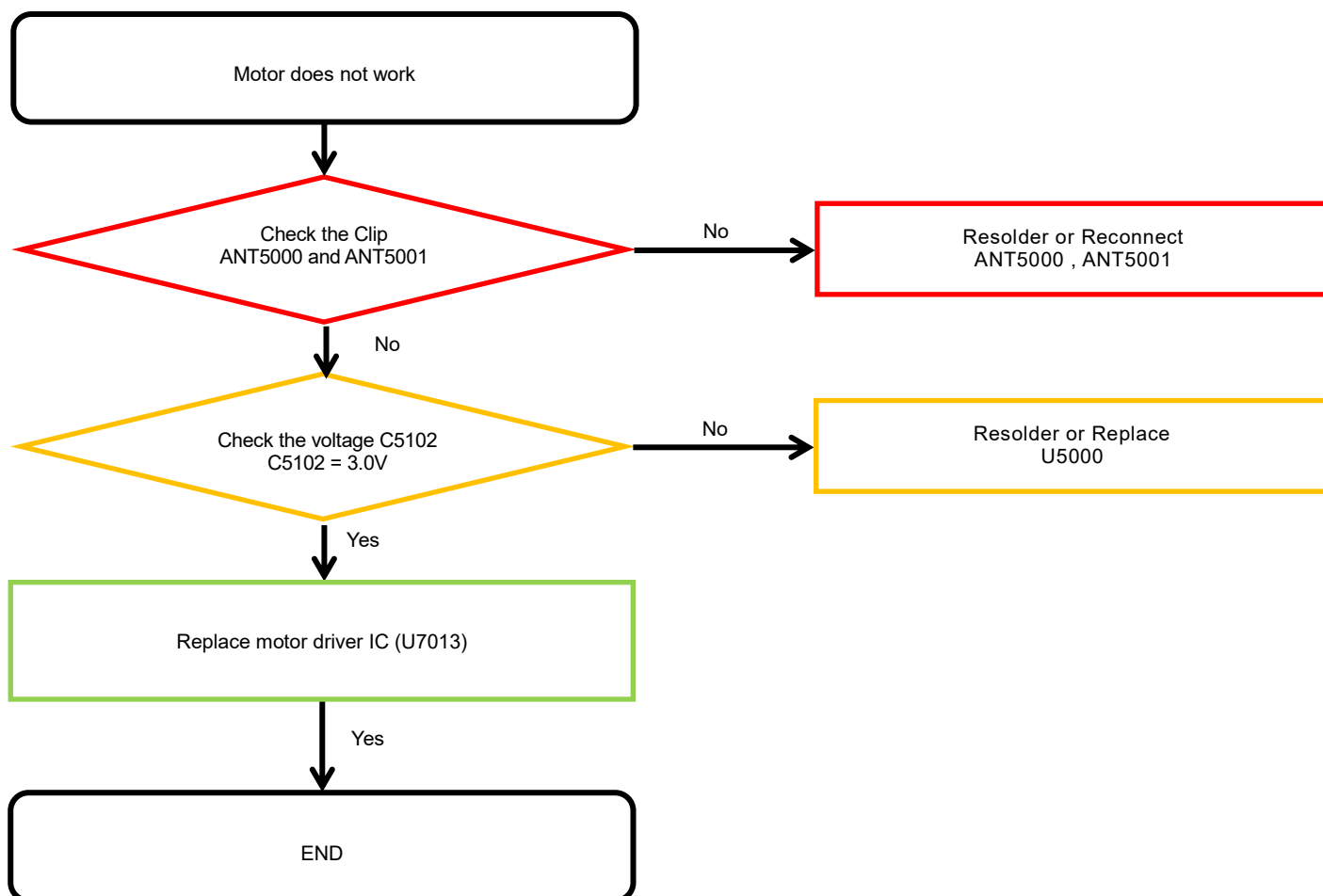
8. Level 3 Repair

8-4-15. TSP



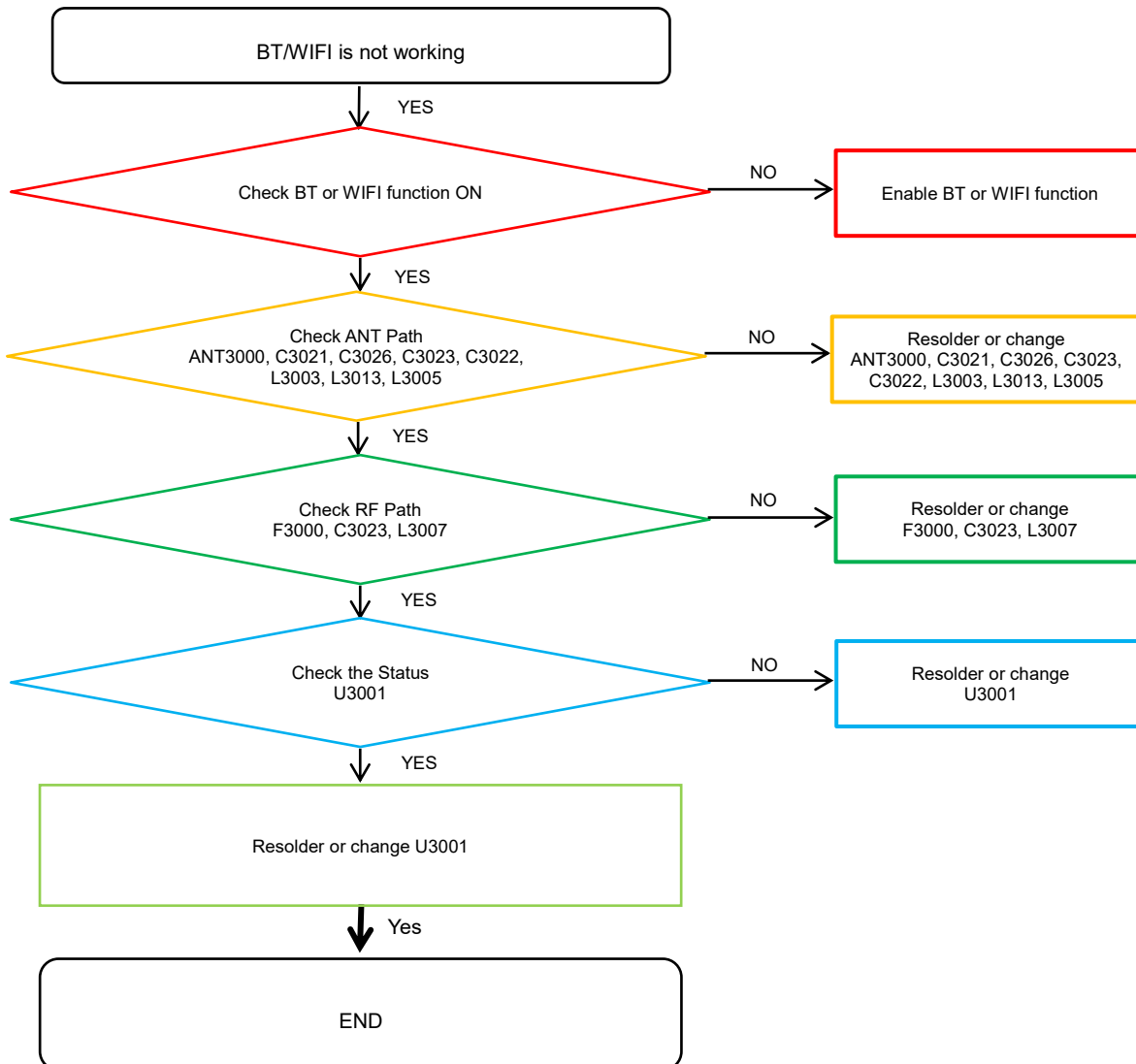
8. Level 3 Repair

8-4-16. Motor



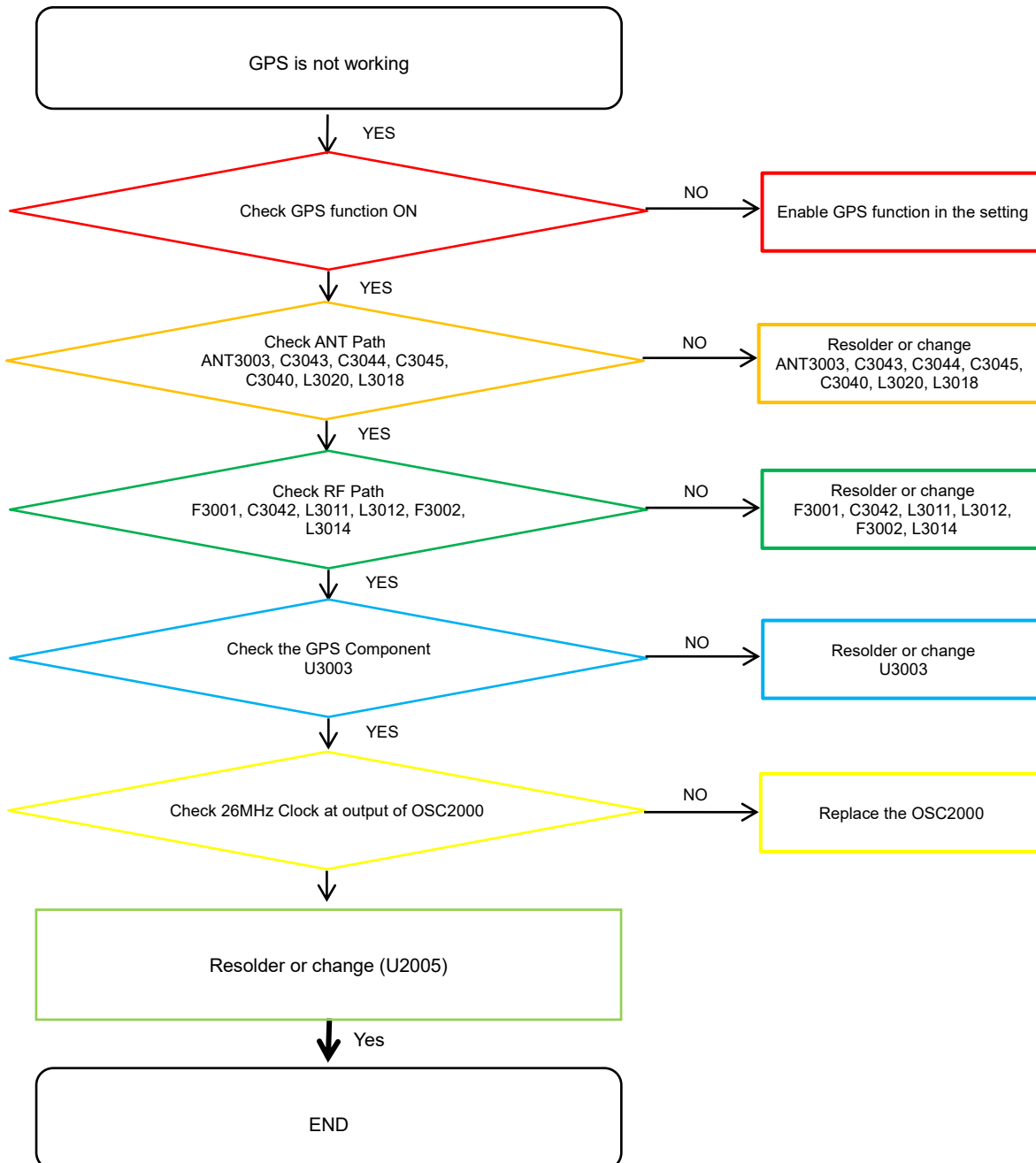
8. Level 3 Repair

8-4-17. BT/WIFI



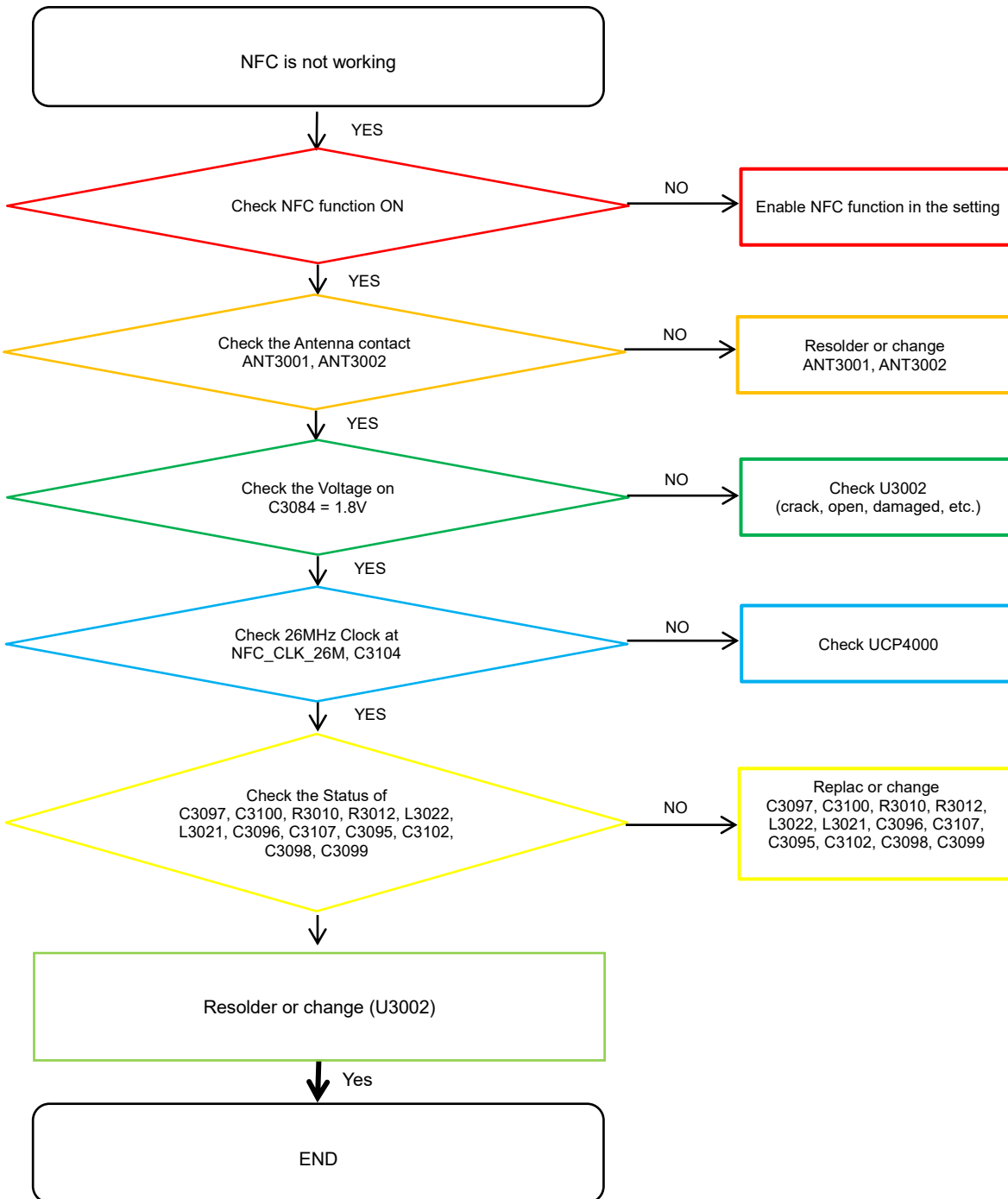
8. Level 3 Repair

8-7-18. GPS



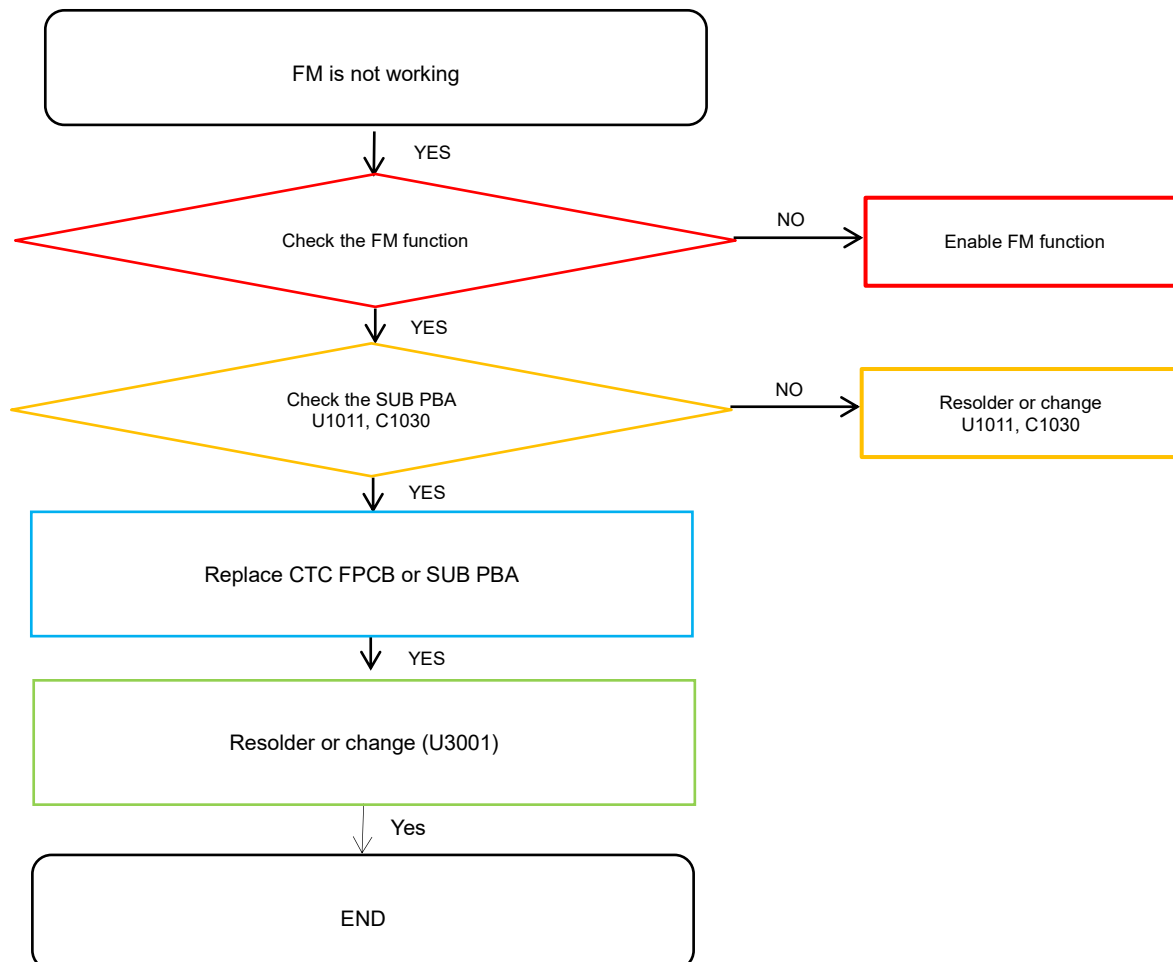
8. Level 3 Repair

8-4-19. NFC



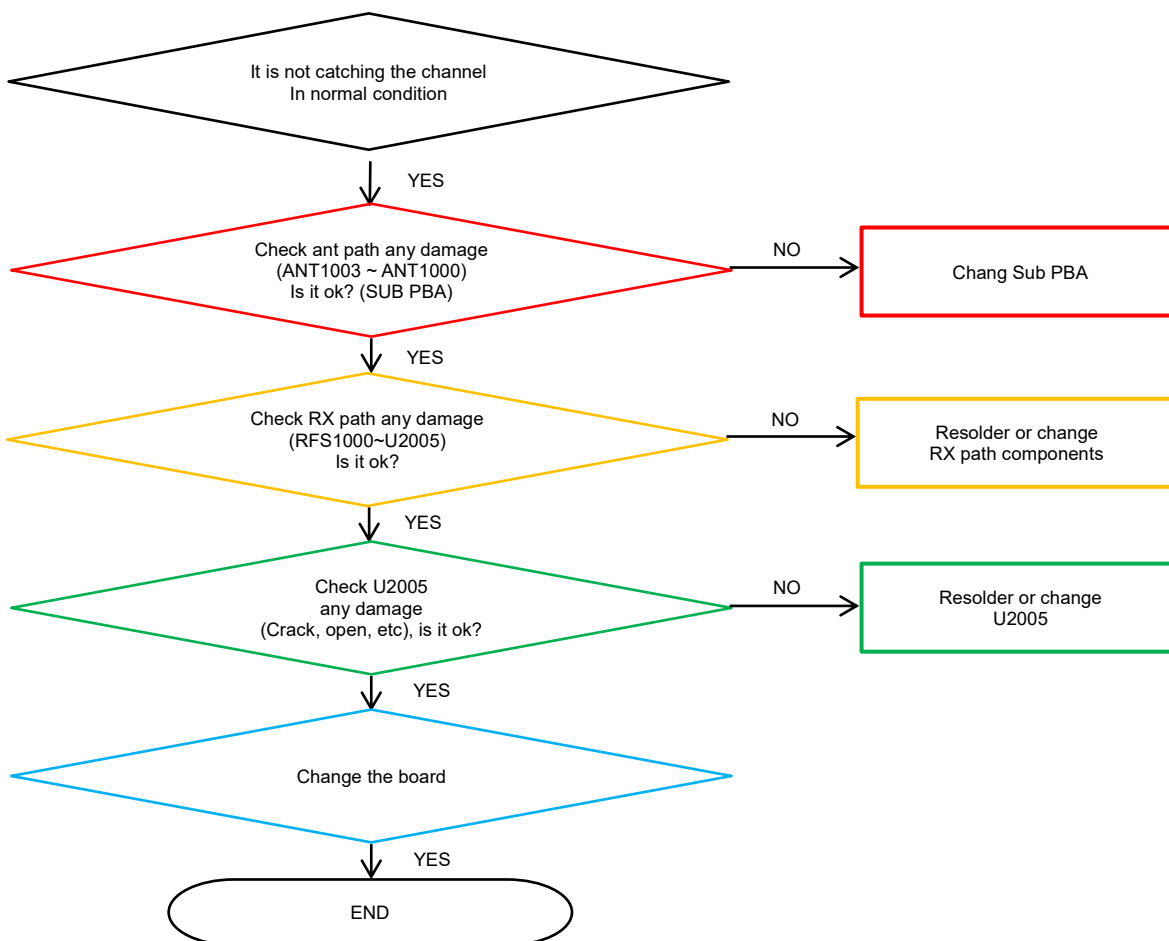
8. Level 3 Repair

8-4-20. FM radio part



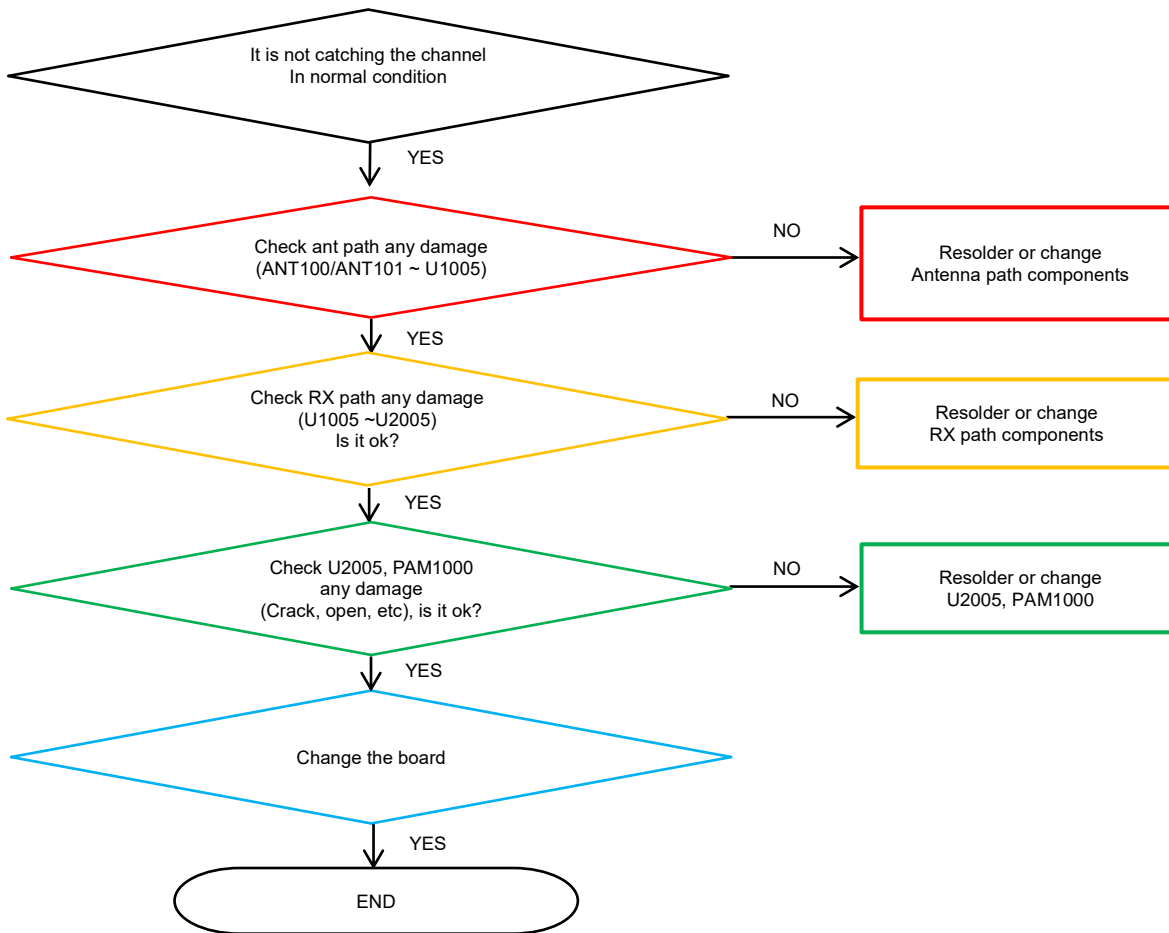
8. Level 3 Repair

8-4-21. GSM 850/900/DCS/PCS, WCDMA B1/2/4/5/8, LTE 1/2/3/4/5/7/8/12/17/20/26/28/66 PRx



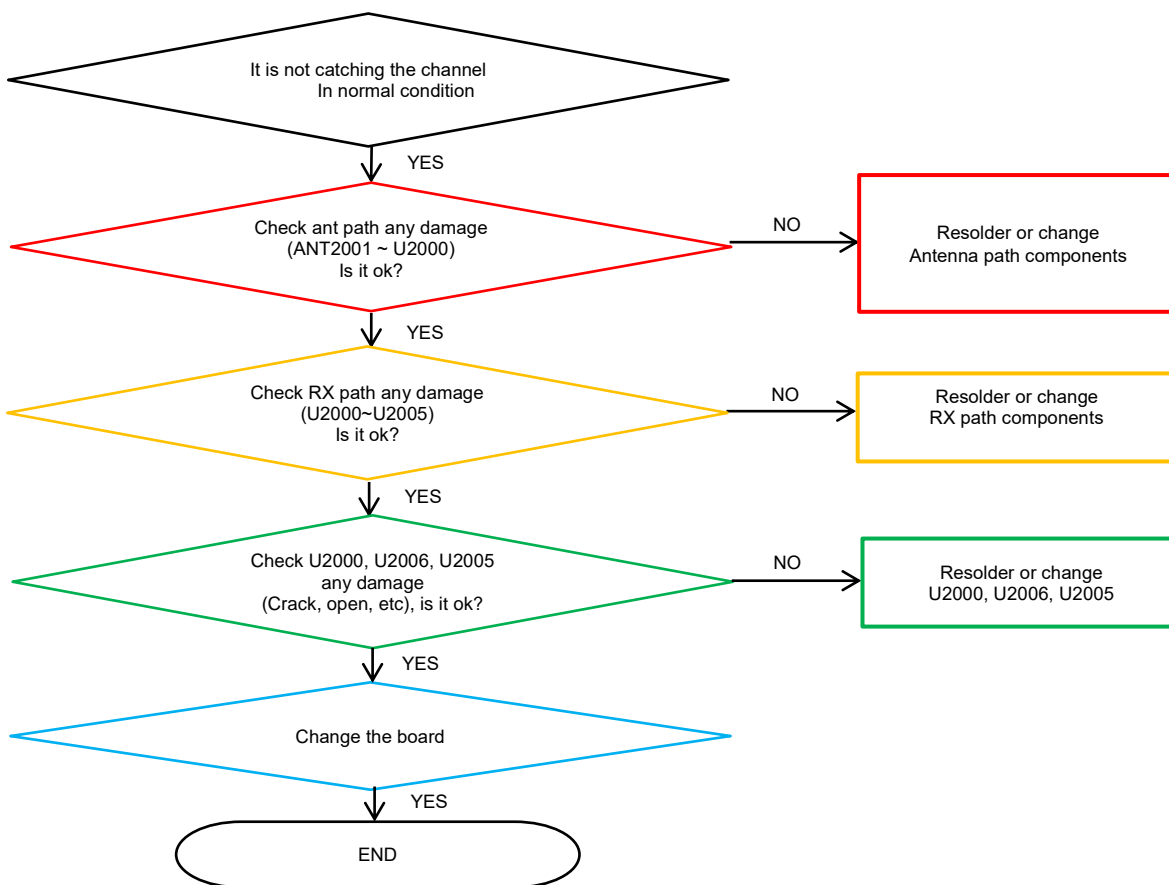
8. Level 3 Repair

8-4-22. LTE 7/38/40/41 PRx



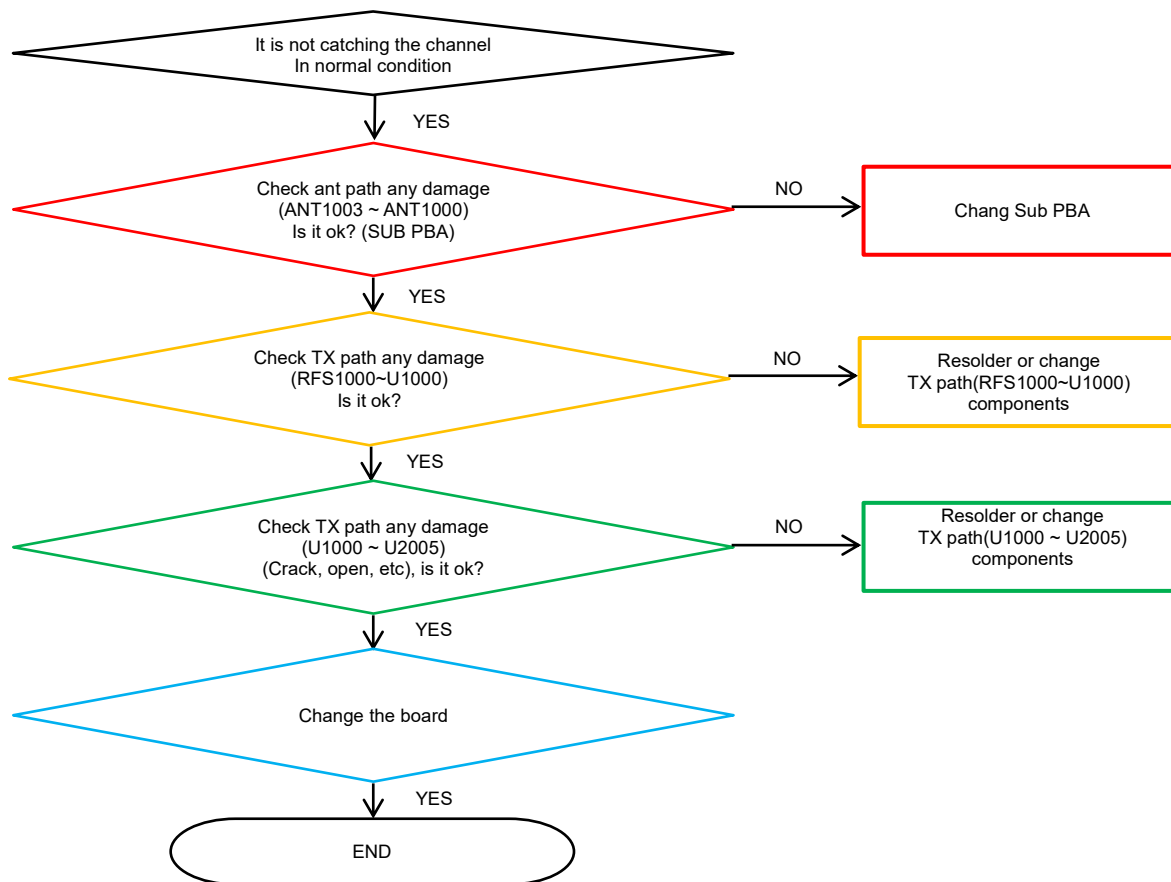
8. Level 3 Repair

8-4-23. WCDMA B1/2/4/5/8, LTE B1/2/3/4/5/7/8/12/17/20/28/38/40/41/66 DRx



8. Level 3 Repair

8-4-24. GSM 850/900/DCS/PCS, WCDMA B1/2/3/5/8, LTE 1/2/3/4/5/8/12/17/20/26/28/66 Tx



8. Level 3 Repair

8-4-25. LTE B7/38/40/41 Tx

