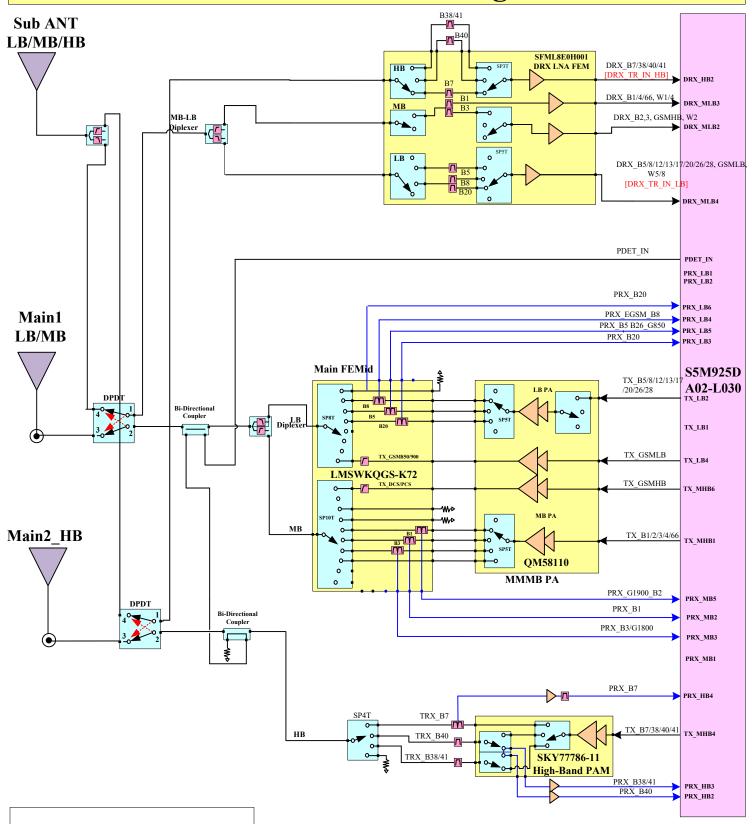
SAMSUNG CONFIDENTIAL THIS DOCUMENT CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION THAT IS SAMSUNG ELECTRONICS OF SPROPERTY. DIGT DISCLOSE TO OR DUPLICATE FOR OTHER

SM-A515F/DSM RF Block Diagram REV1.0



[SM-A515F/DSM RF Band]

2G: Quad

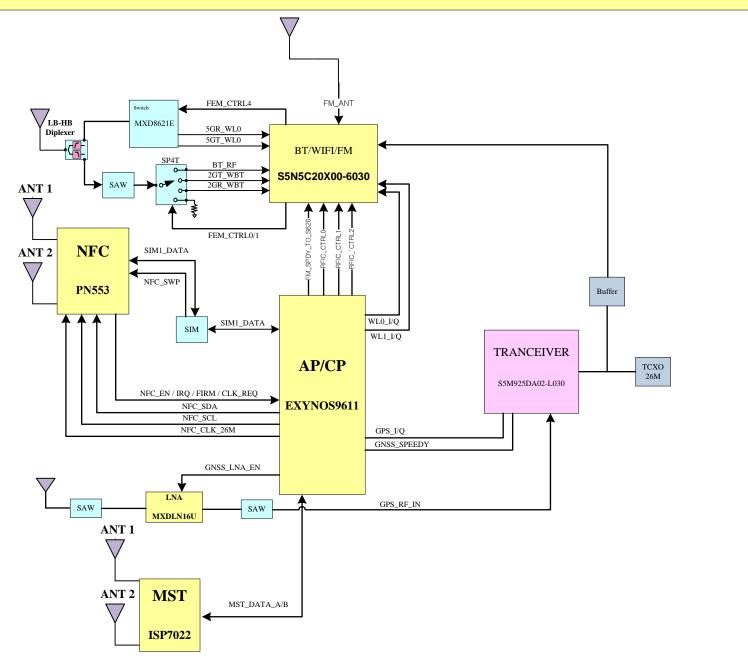
3G: W1,W2,W4,W5,W8

LTE FDD: B1/2/3/4/5/7/8/12/13

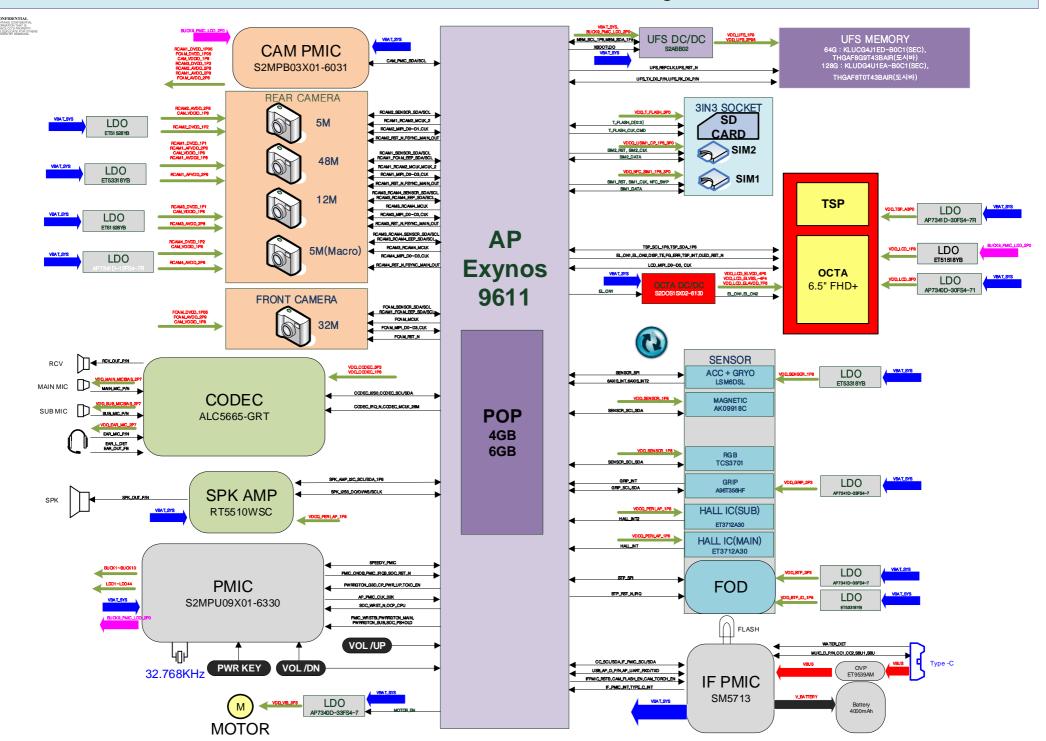
17/20/26/28

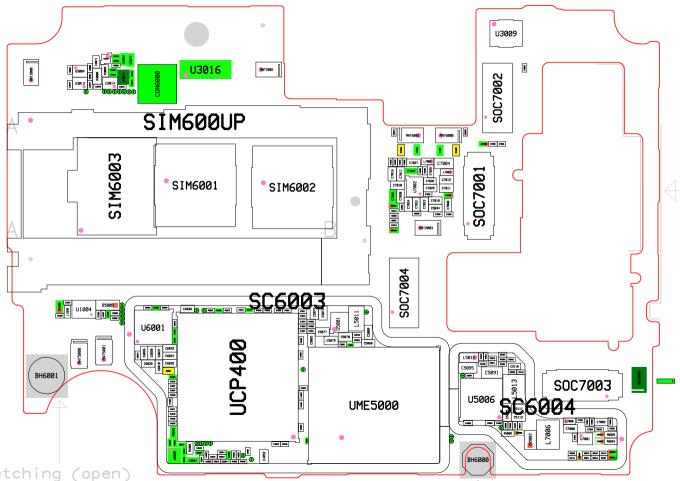
LTE TDD: B38/40/41

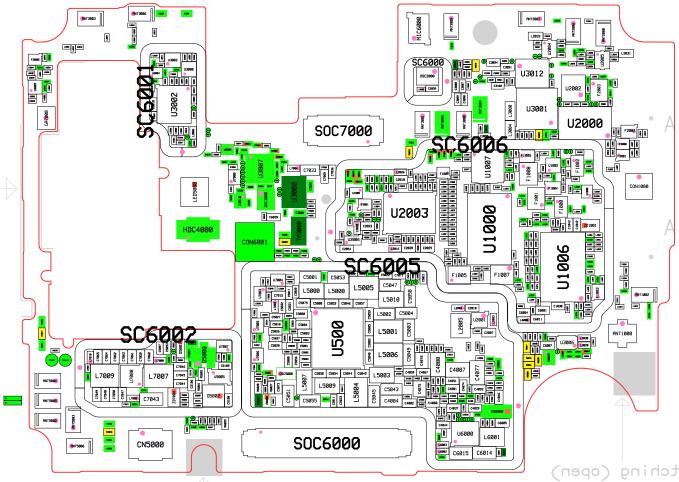
SM-A515F/DSM Connectivity Block Diagram



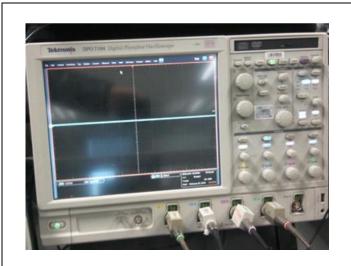
SM-A515F/DSM BB Block Diagram







8-3. Flow chart of Troubleshooting.





Oscilloscope

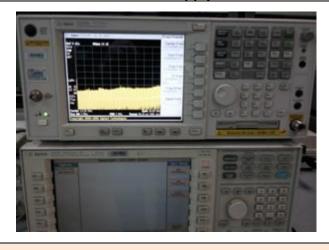
Digital Multimeter





Power Supply

+ driver, ESD Safe Tweezer



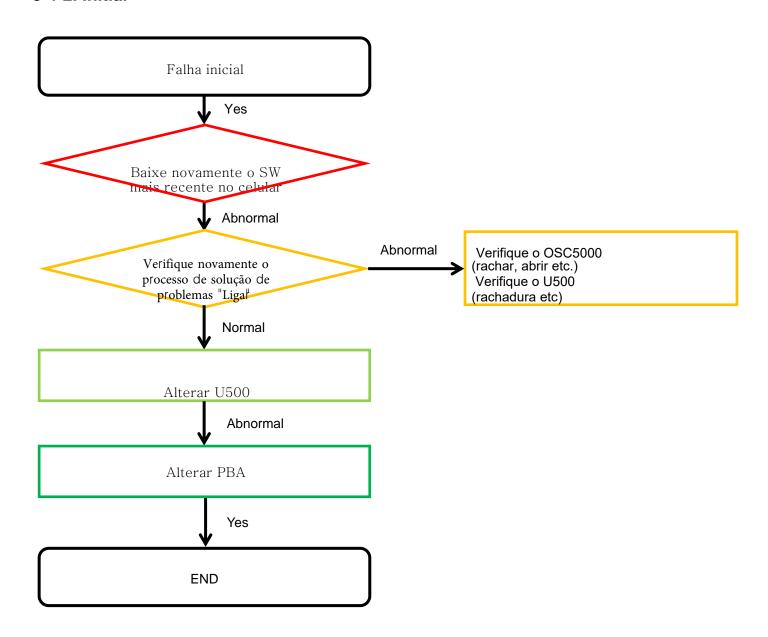


8960 & Spectrum Analyzer

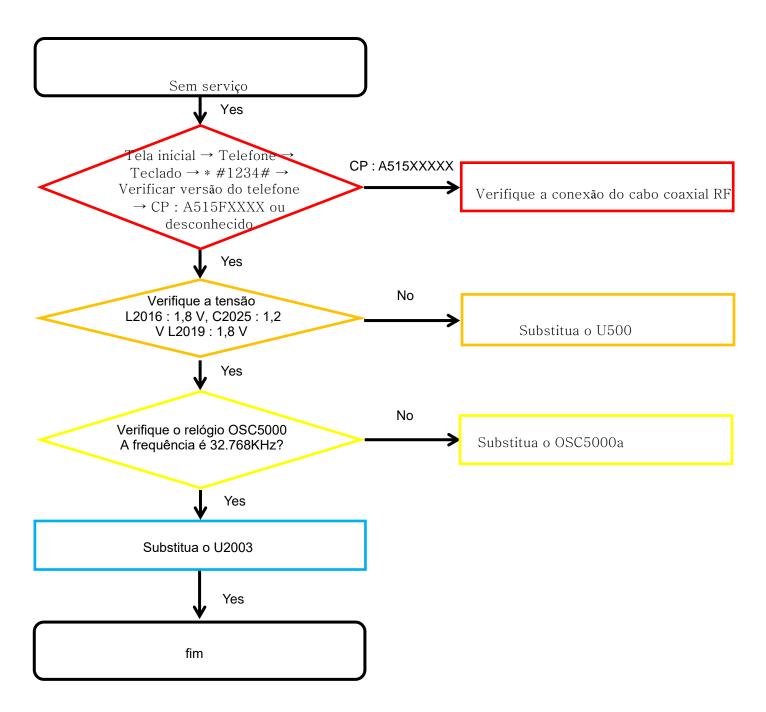
Soldering iron

8-4-1. Power On O celular não liga. Yes Carregar a bateria por TA. No Se o nível de tensão for Verifique a tensão da bateria. É mais do que extremamente baixo (abaixo 3.8V? de 3,0 V), Troque a bateria. Yes Ligue o telefone e verifique o Yes som ao ligar Troque o CONJUNTO DE LCD Ligue o telefone e o som **FRONTAL** ao ligar No Verifique o nível de tensão em R5017 enquanto No Substitua a chave de alimentação pressiona a tecla liga/ **FPCB** desliga. A voltagem está alta Verifique a tensão de saída de U5000 Yes L5000 > 0.75V, L5001 > 0.75V, L5002 > 0.75 VL5003 > 0.75V, L5004 > 0.75V, L5005 No > 0.75V. Verifique o sinal L5006 > 0.75V, L5008 > 1.1V, L5009 de TRST_N = 1,8V > 1.3V, L5010 > 2.0V, L5011 > 0.75V and other LDO Voltage Se a tensão de saída não for normal Yes Troque o U5000 Verifique o relógio No OSC5000 A frequência é Substitua o OSC5000 Condição de teste (configuração do 32.768kHz? osciloscópio) : 20.0us.div (divisão de tempo) Yes Verifique a operação inicial Yes **END**

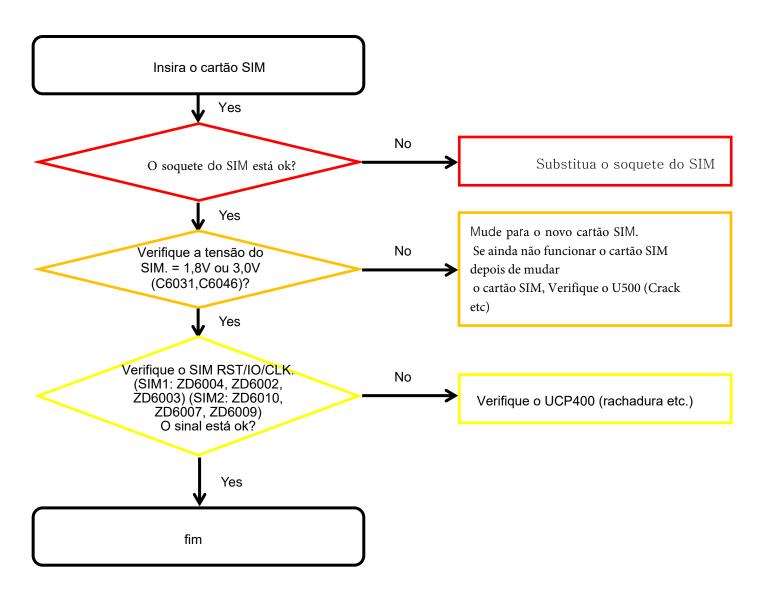
8-4-2. Initial



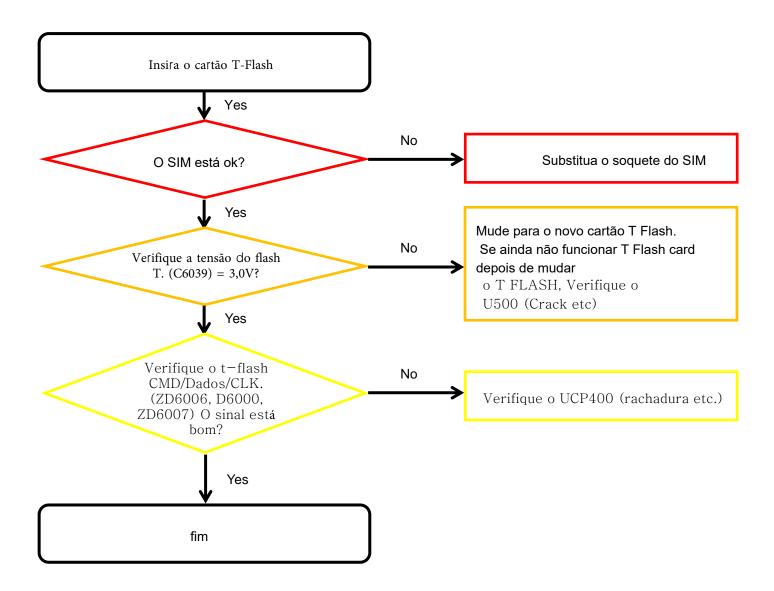
8-4-3. No Service



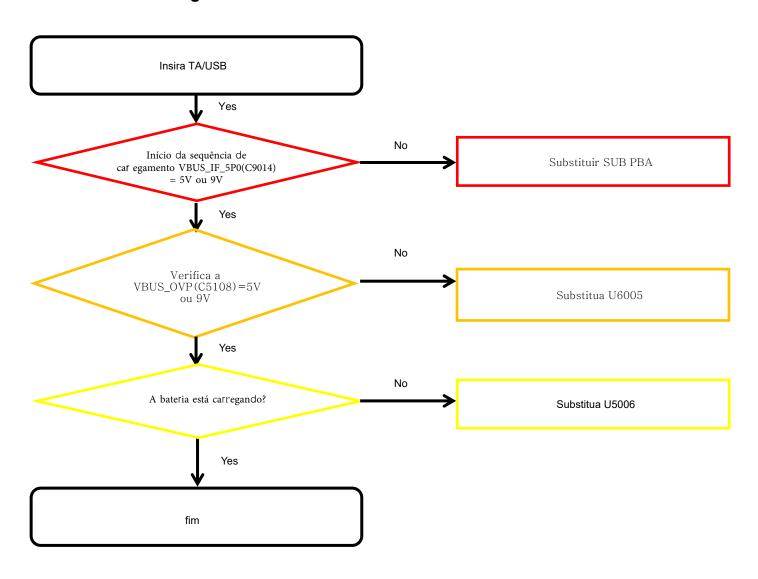
8-4-4. PARTE SIM



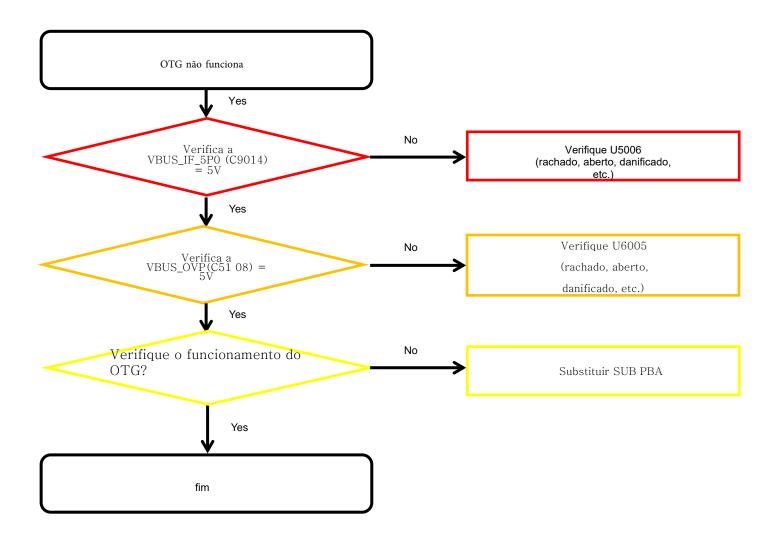
8-4-5. Parte T-Flash



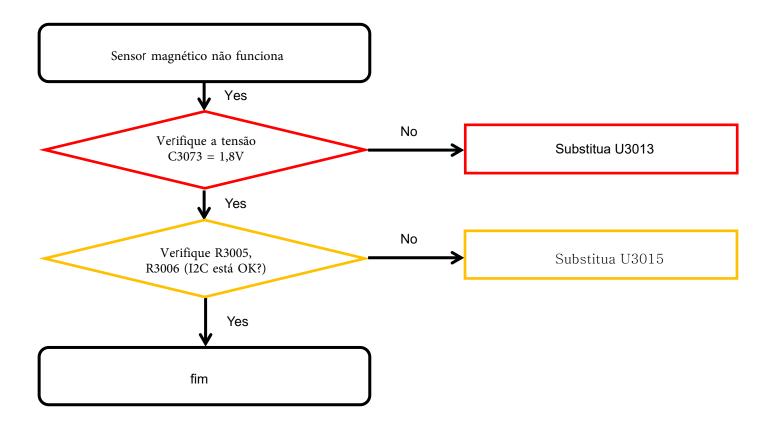
8-4-6. Parte de carregamento do cabo



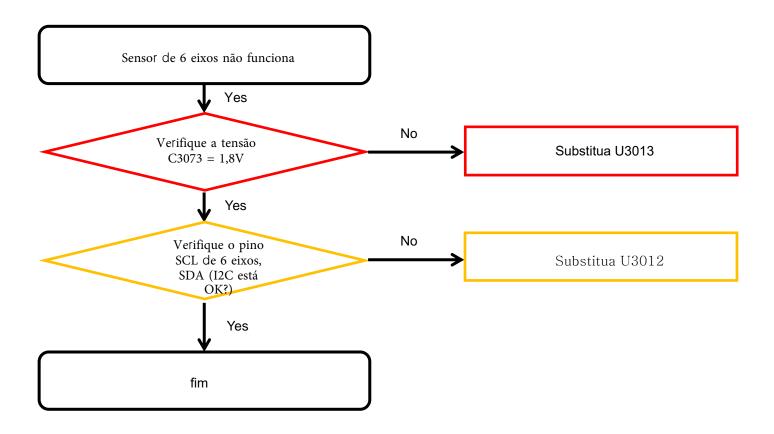
8-4-7. OTG



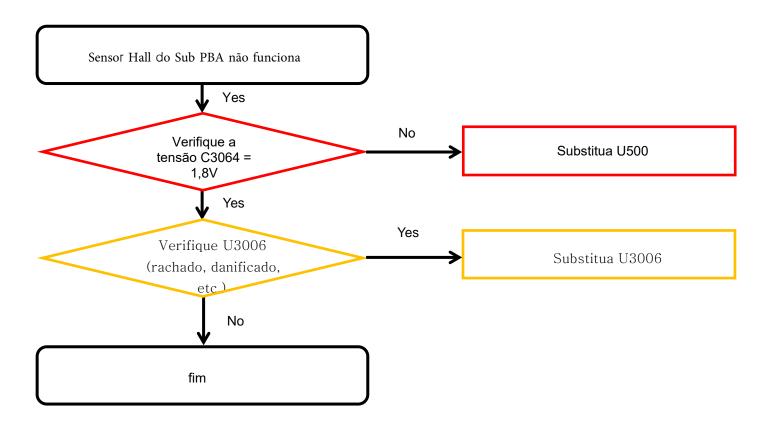
Sensor magnético



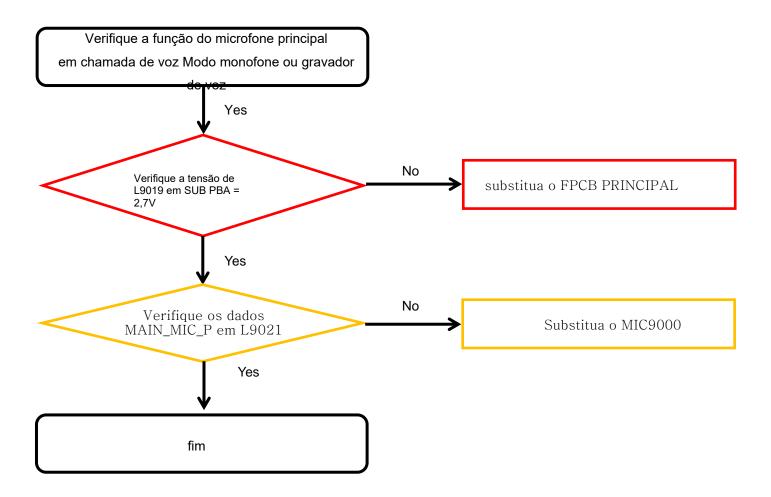
8-4-8-2. Sensor de 6 Eixos



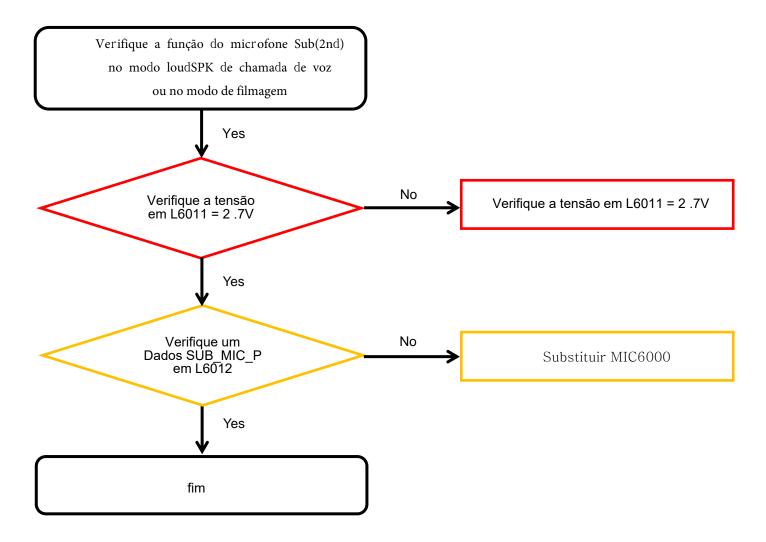
8-4-8-3. Sensor Hall



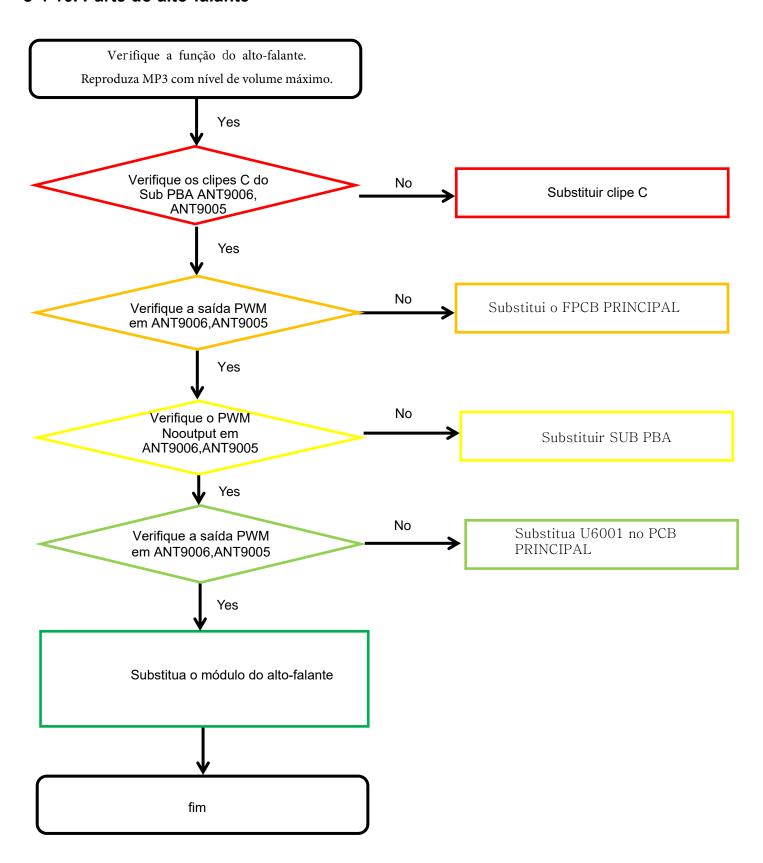
8-4-9-1. Peça do microfone - MIC principal



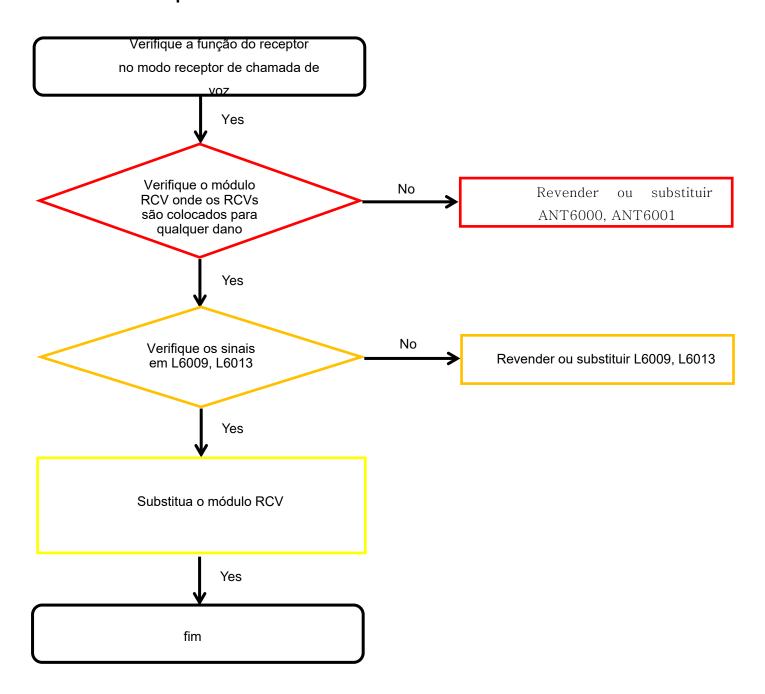
8-4-9-2. Peça do Microfone - Sub(2°) MIC



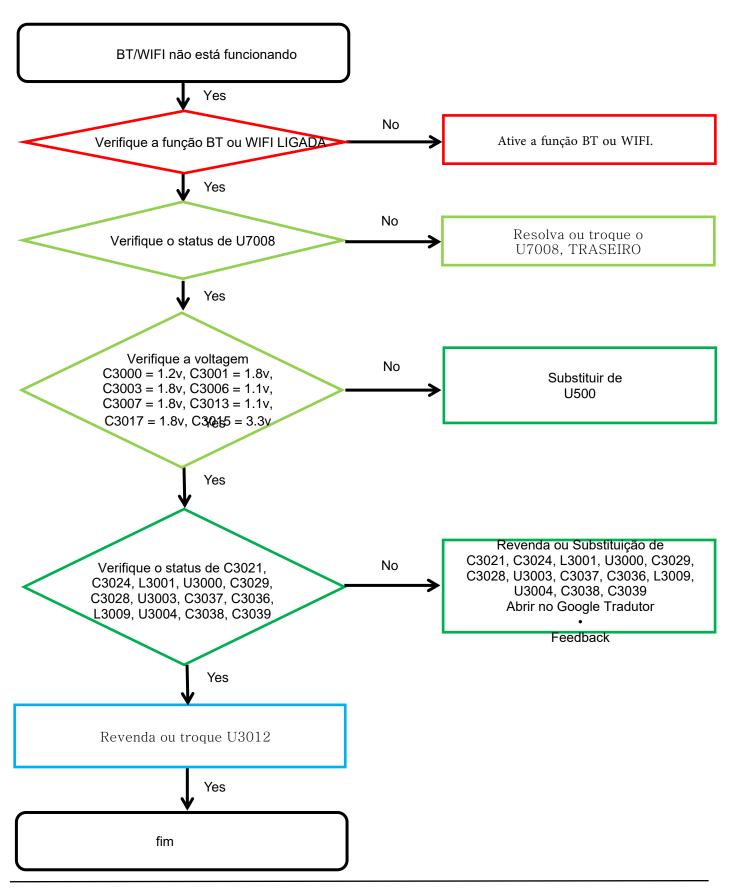
8-4-10. Parte do alto-falante



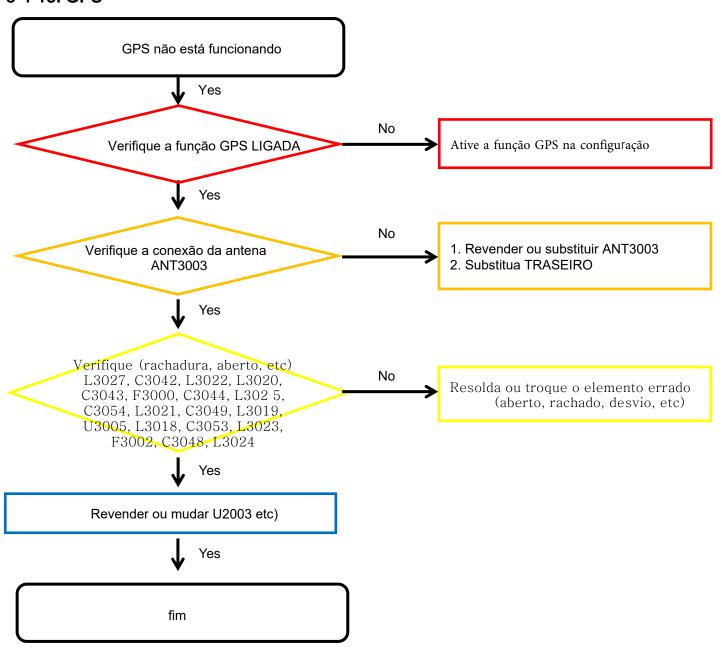
8-4-11. Parte Receptora

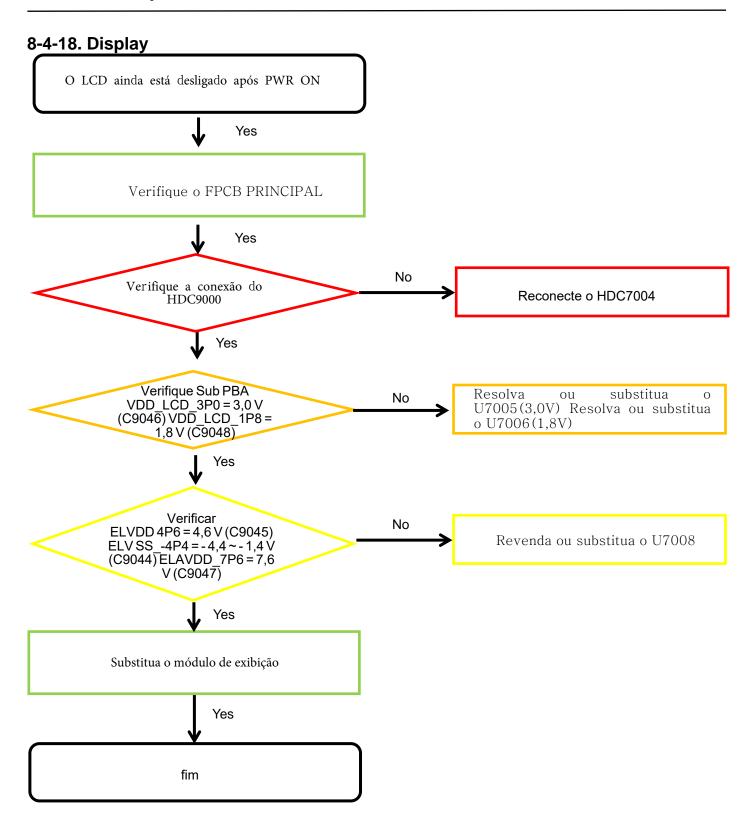


8-4-12. BT/WIFI

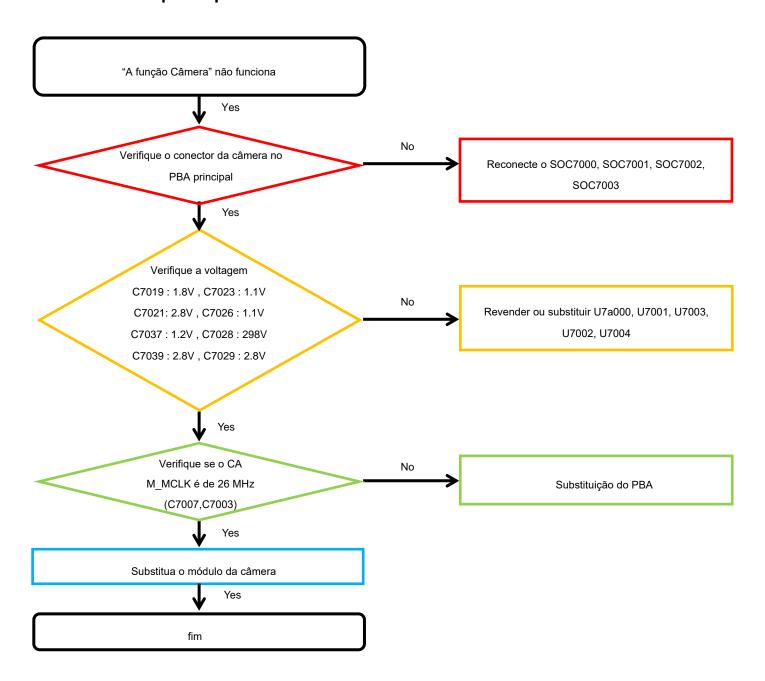


8-4-13. GPS

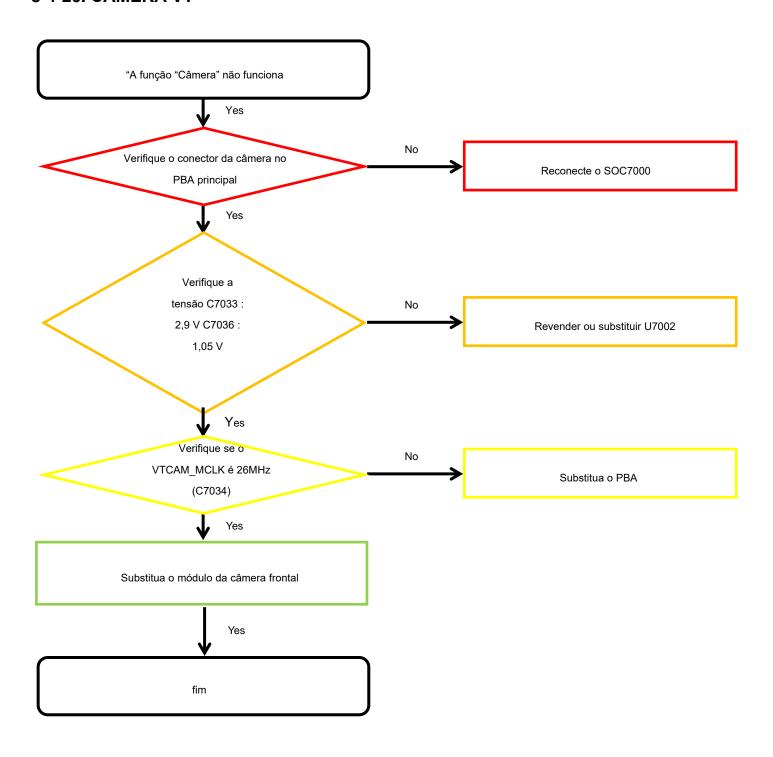




8-4-19. Câmera quádrupla



8-4-20. CÂMERA VT



8-4-21. Motor

