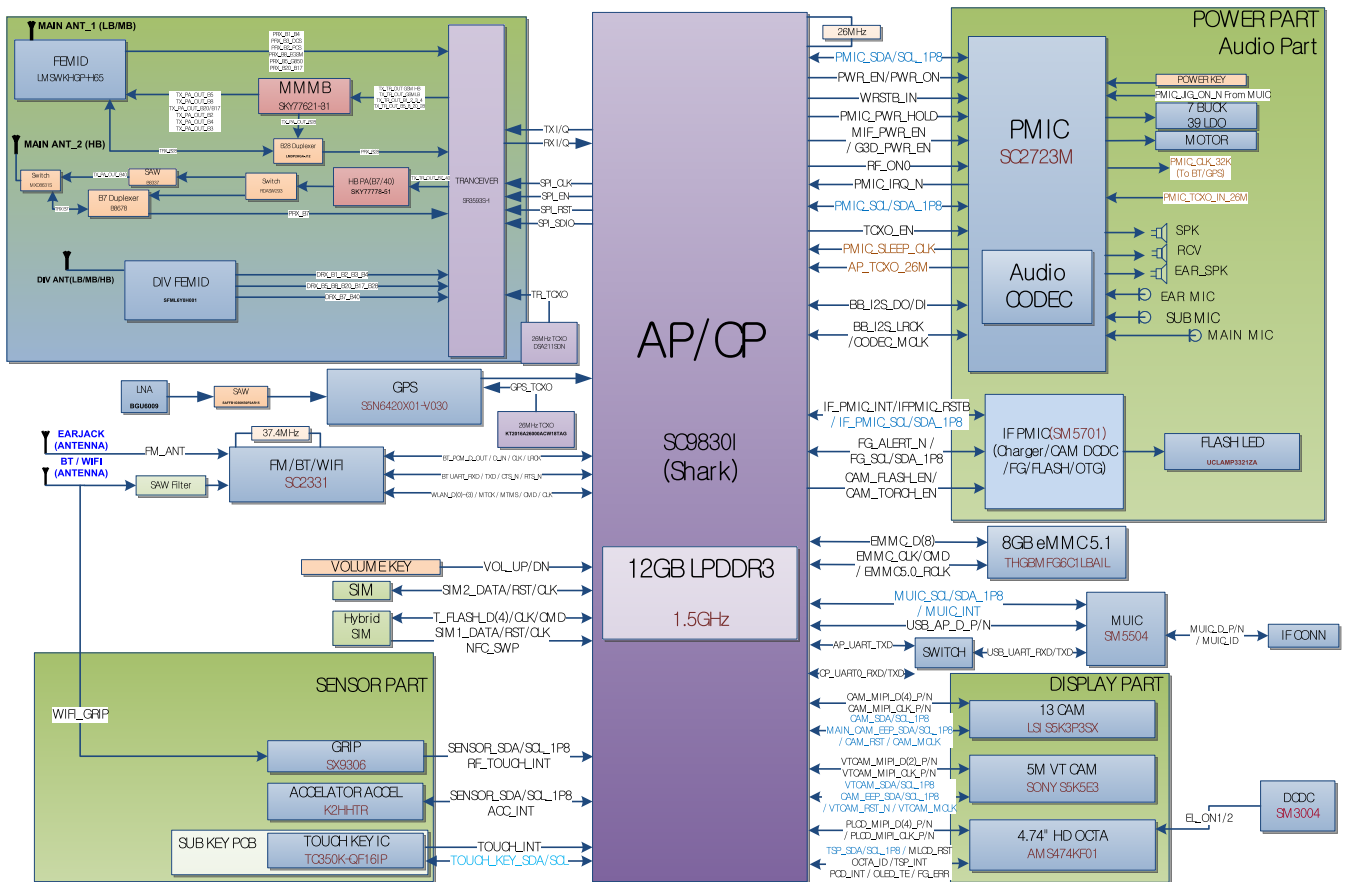


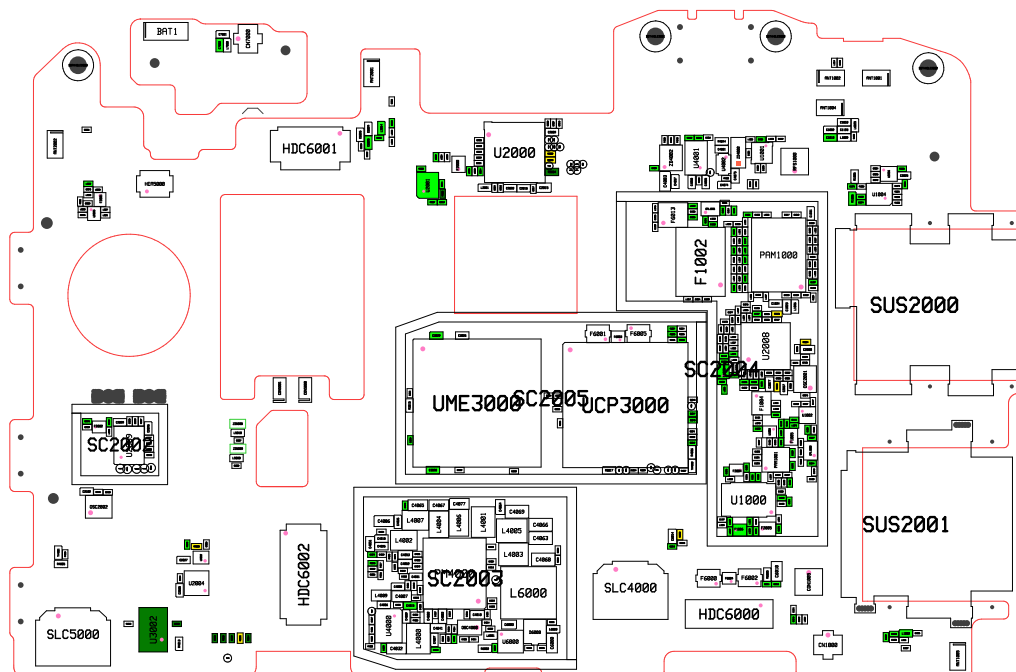
# 8. Level 3 Repair (VIETMOBILE.VN)

## 8-2. Block Diagram



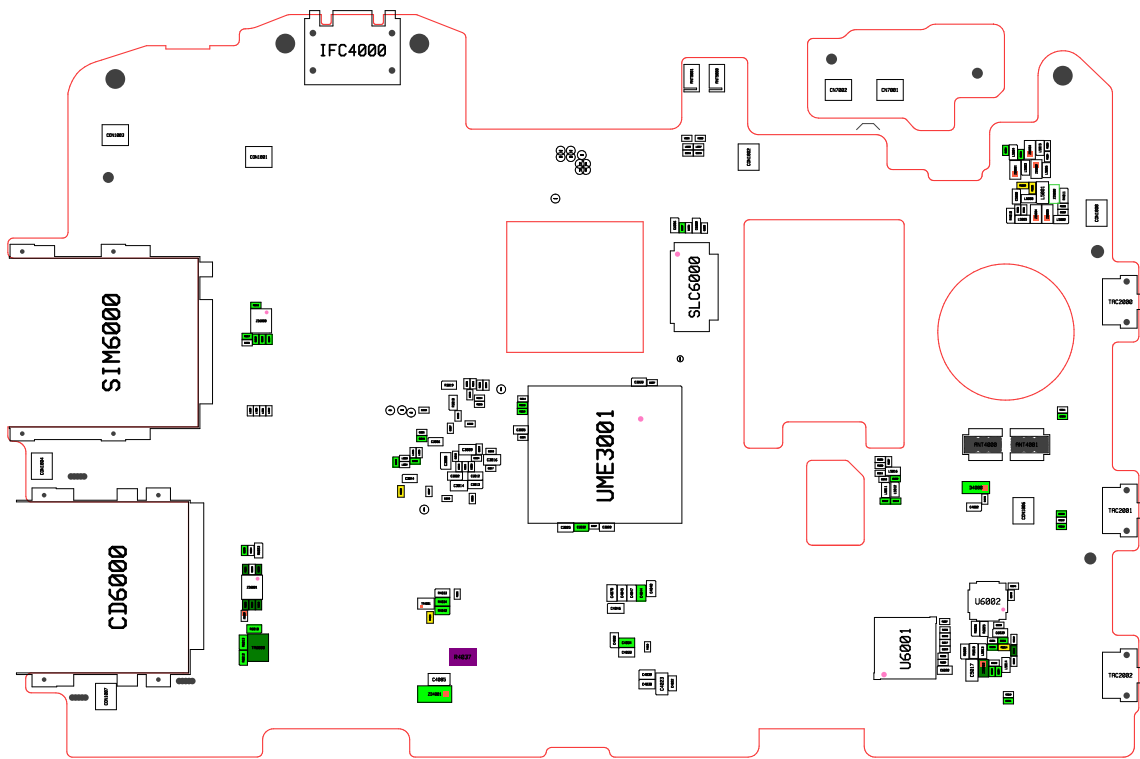
# 8. Level 3 Repair (VIETMOBILE.VN)

TOP



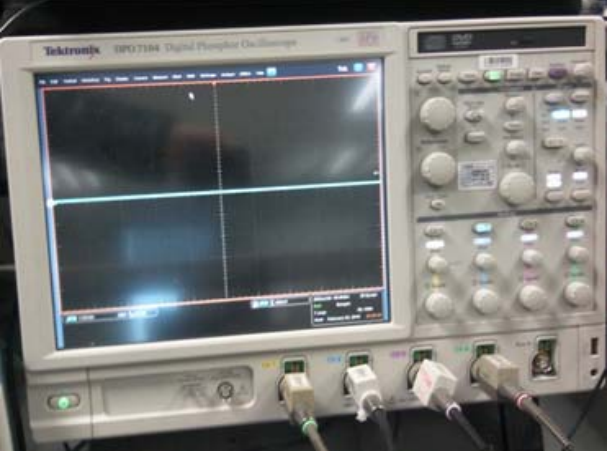



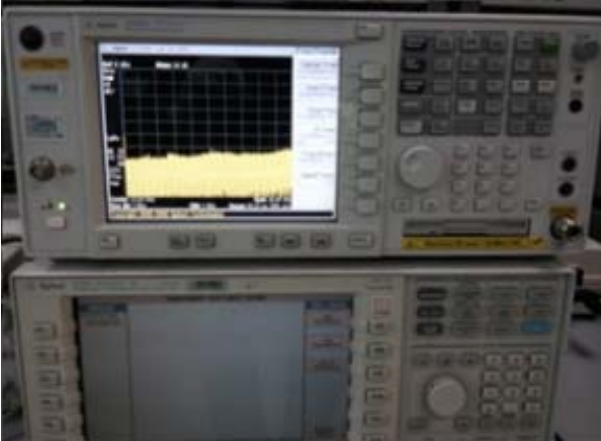

## 8. Level 3 Repair (VIETMOBILE.VN)

BOTTOM



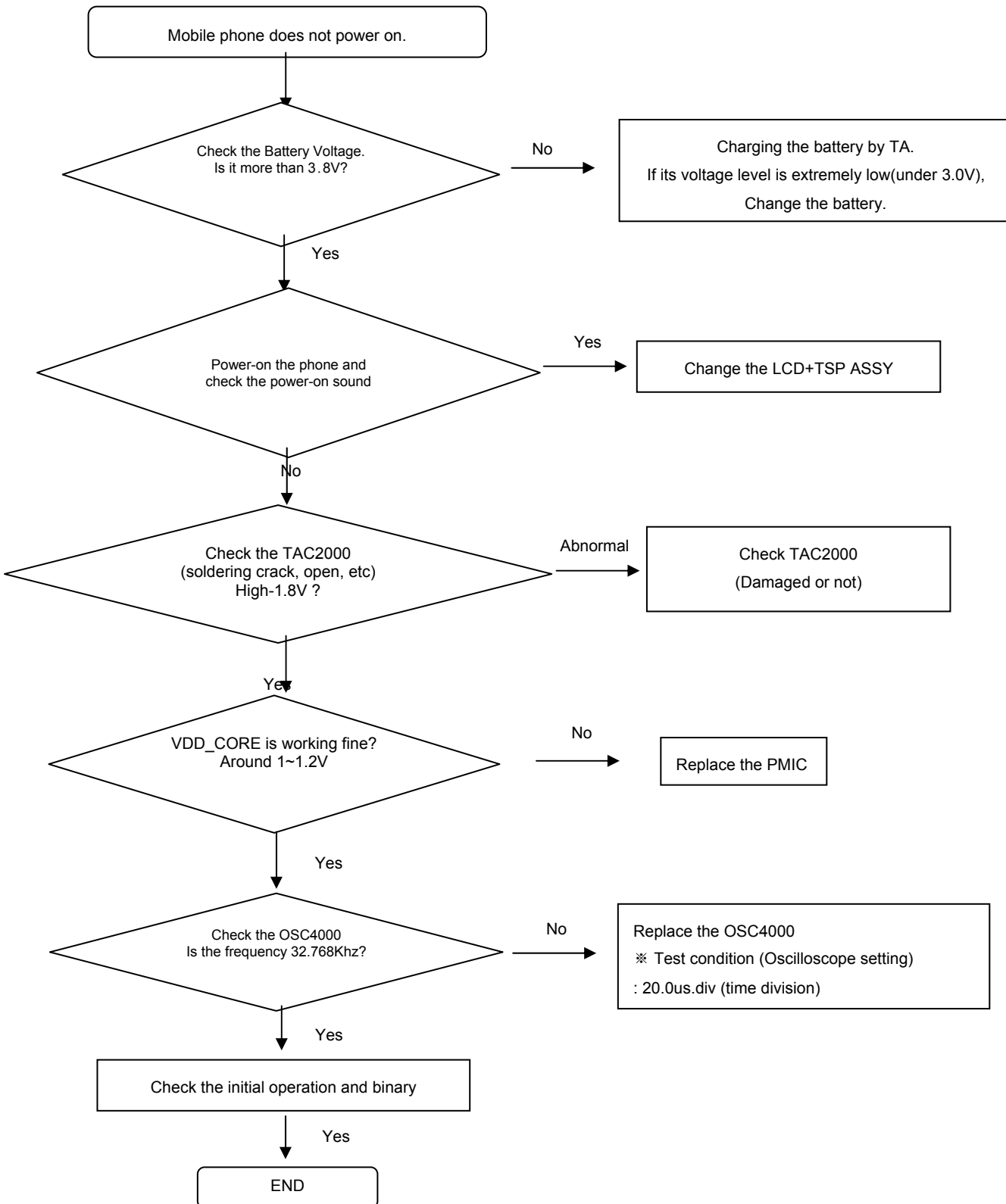
## 8. Level 3 Repair

### 8-3. Flow Chart of Troubleshooting

	
<p>Oscilloscope</p>	<p>Digital Multimeter</p>
	
<p>Power Supply</p>	<p>+ driver, ESD Safe Tweezer</p>
	
<p>8960 &amp; Spectrum Analyzer</p>	<p>Soldering iron</p>

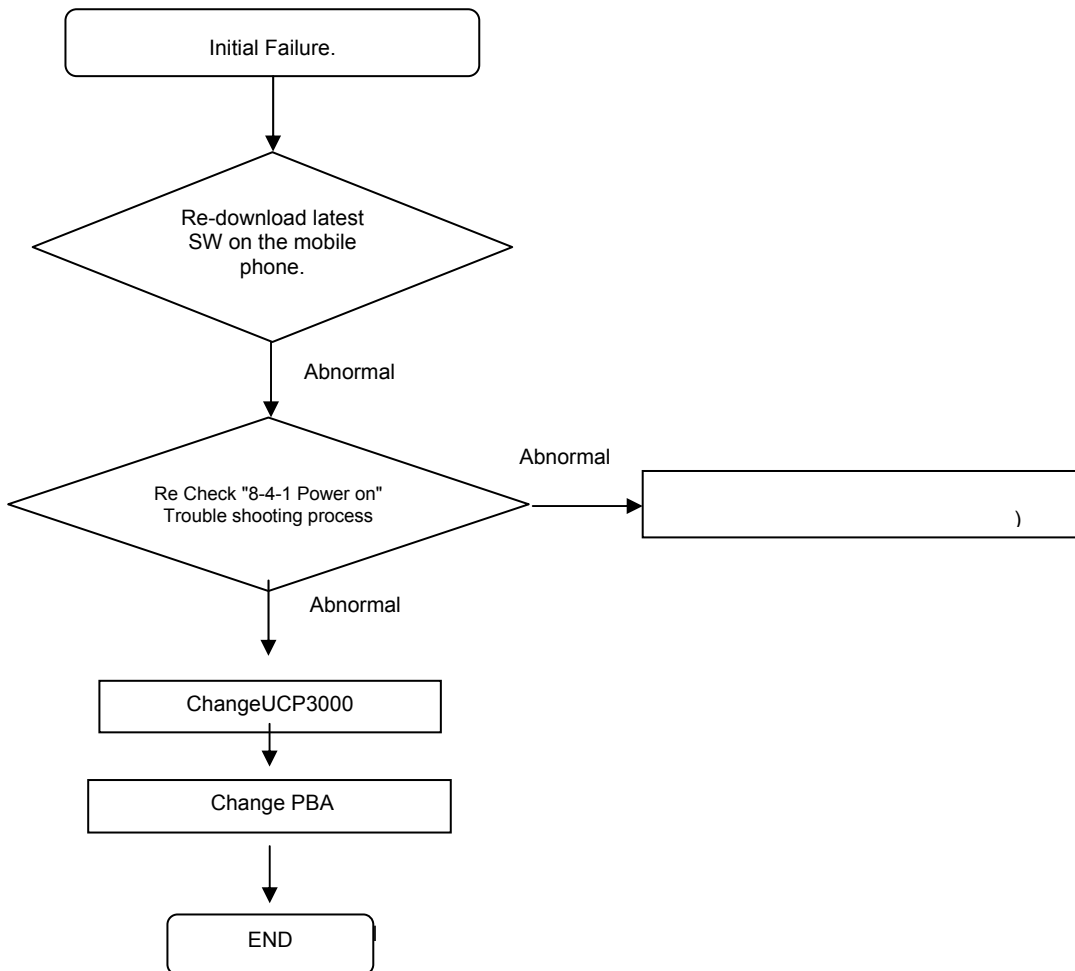
## 8. Level 3 Repair

### 8-4-1. Power On



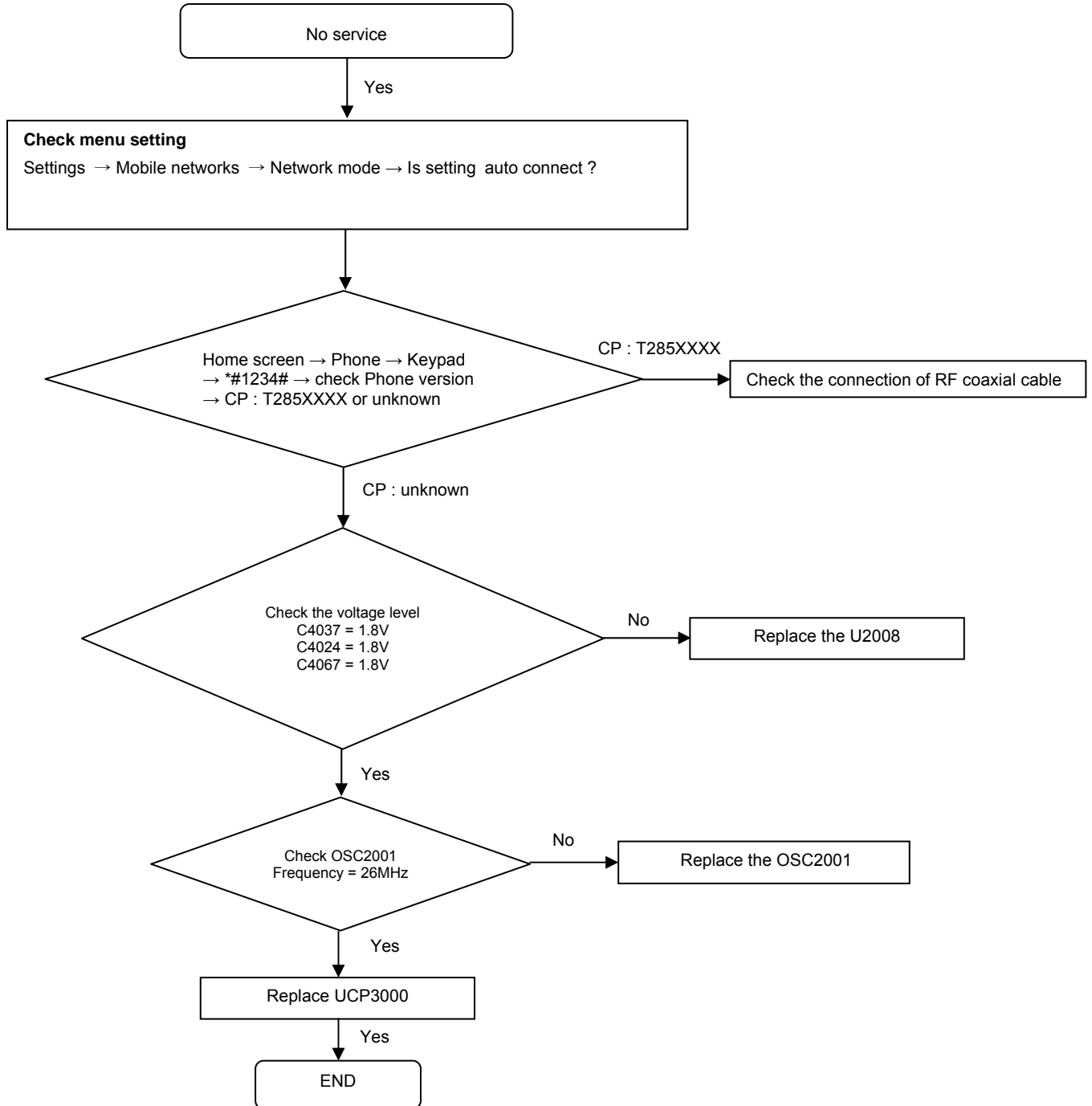
## 8. Level 3 Repair

### 8-4-2. Initial



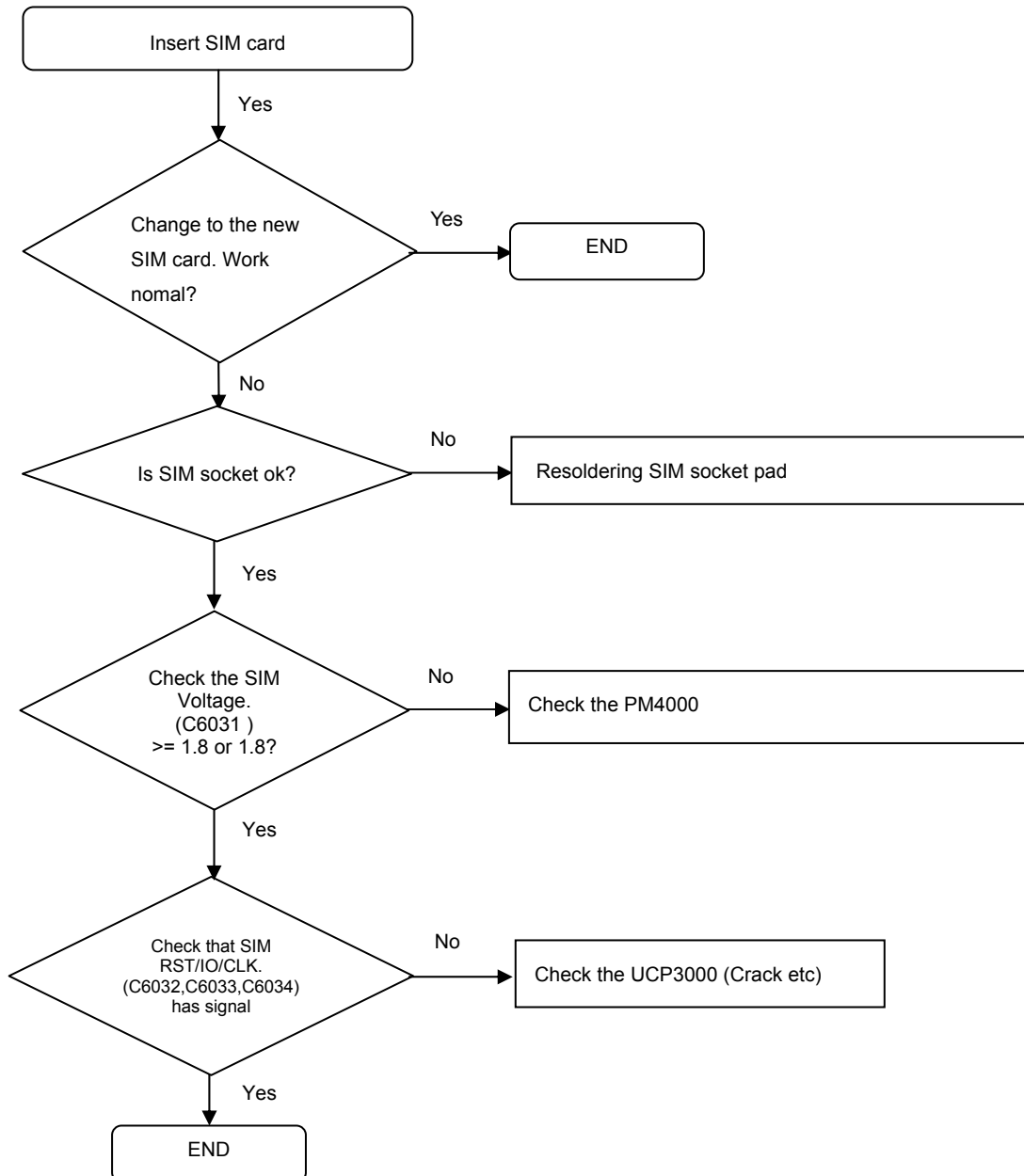
# 8. Level 3 Repair

## 8-4-3. No Service



## 8. Level 3 Repair

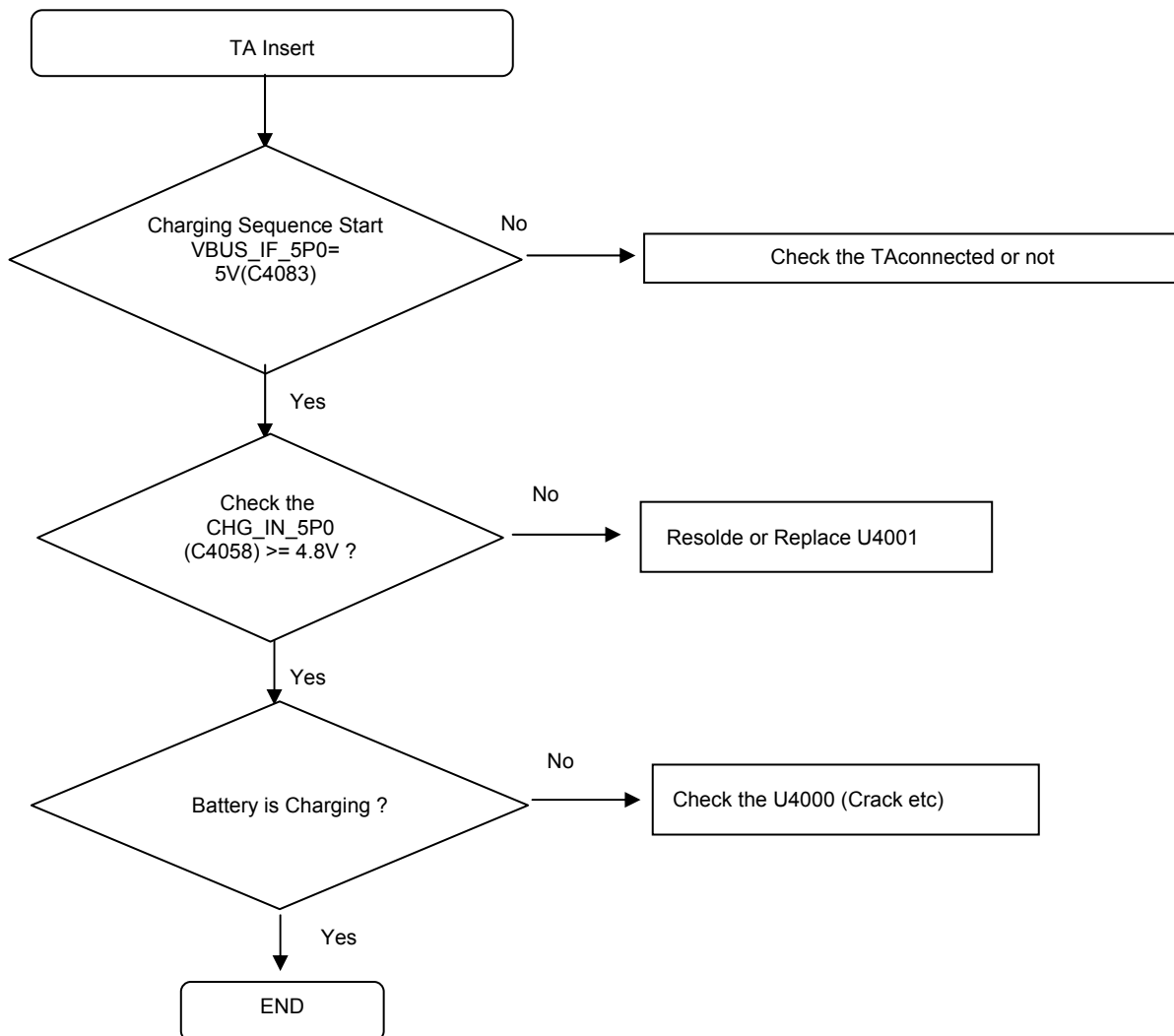
### 8-4-4. Sim Part





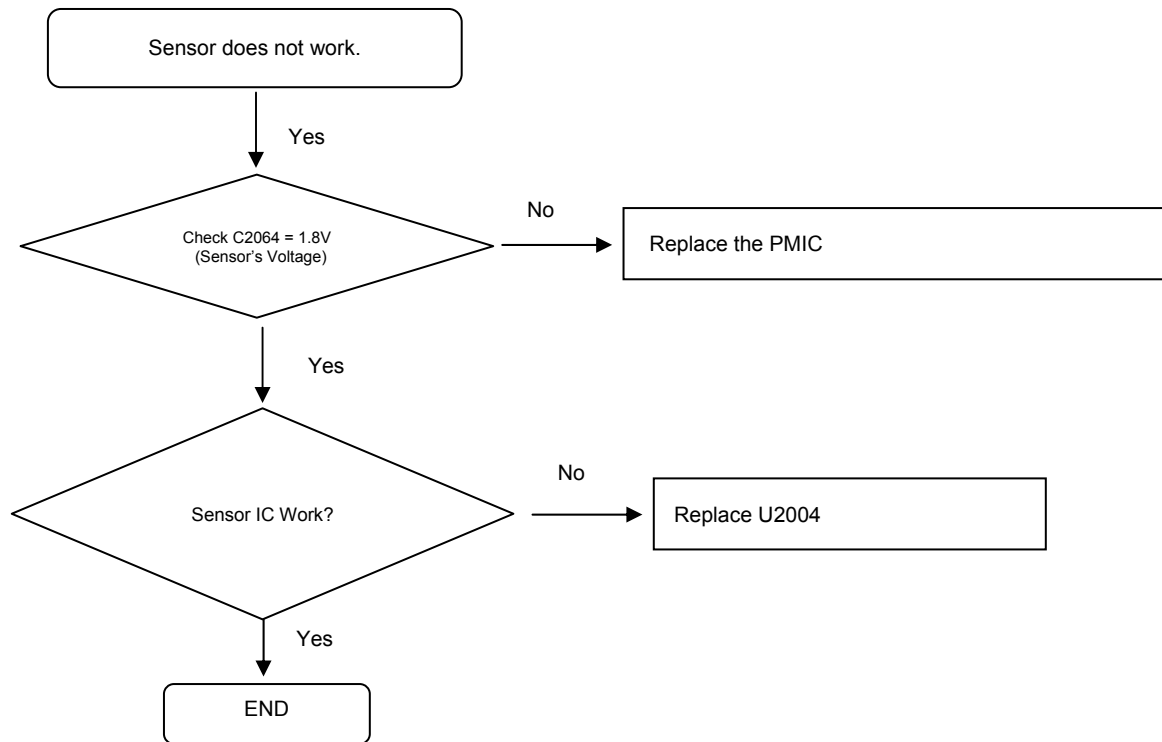
## 8. Level 3 Repair

### 8-4-5. Charging Part



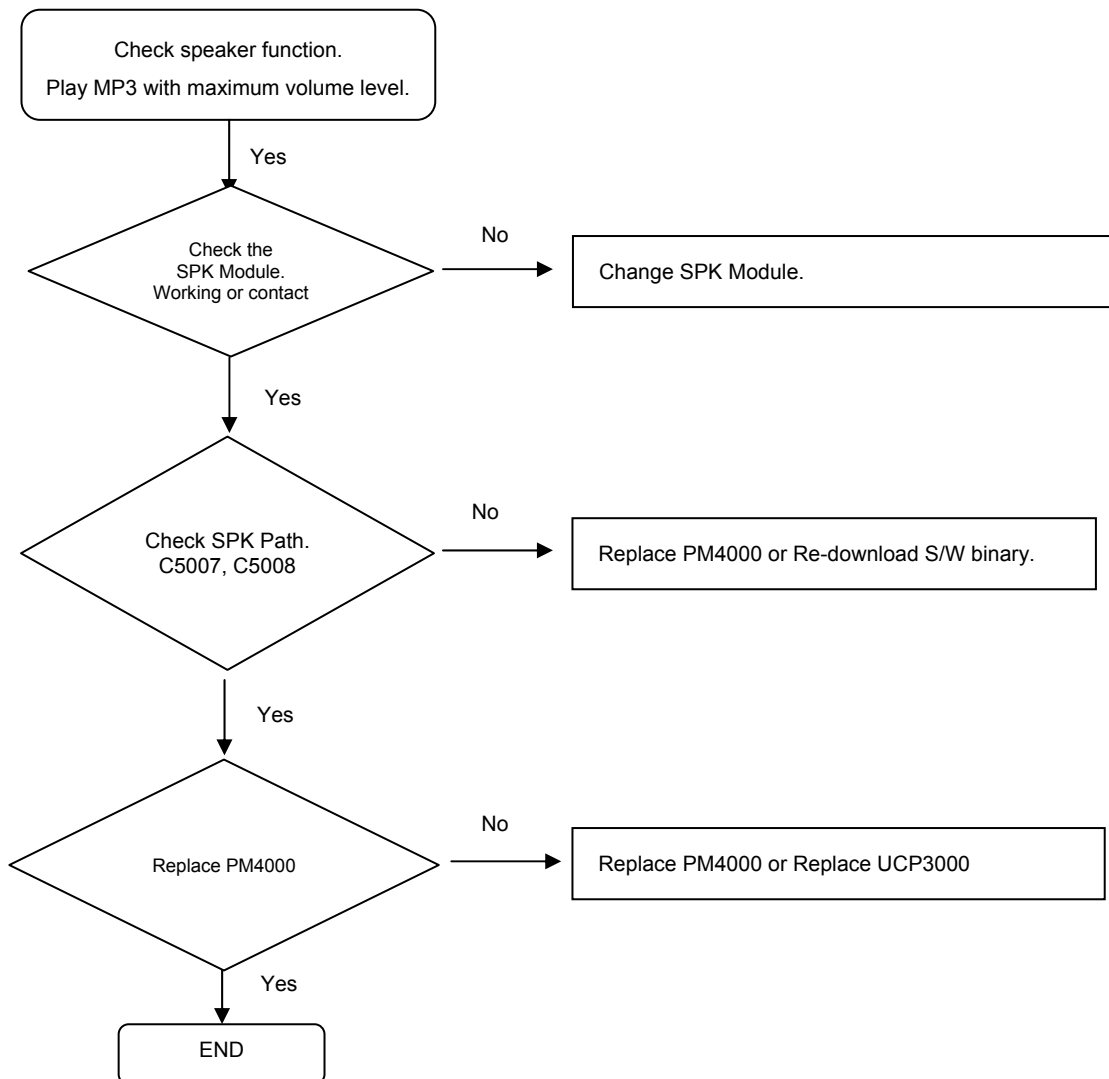
## 8. Level 3 Repair

### 8-4-6. Accel Sensor



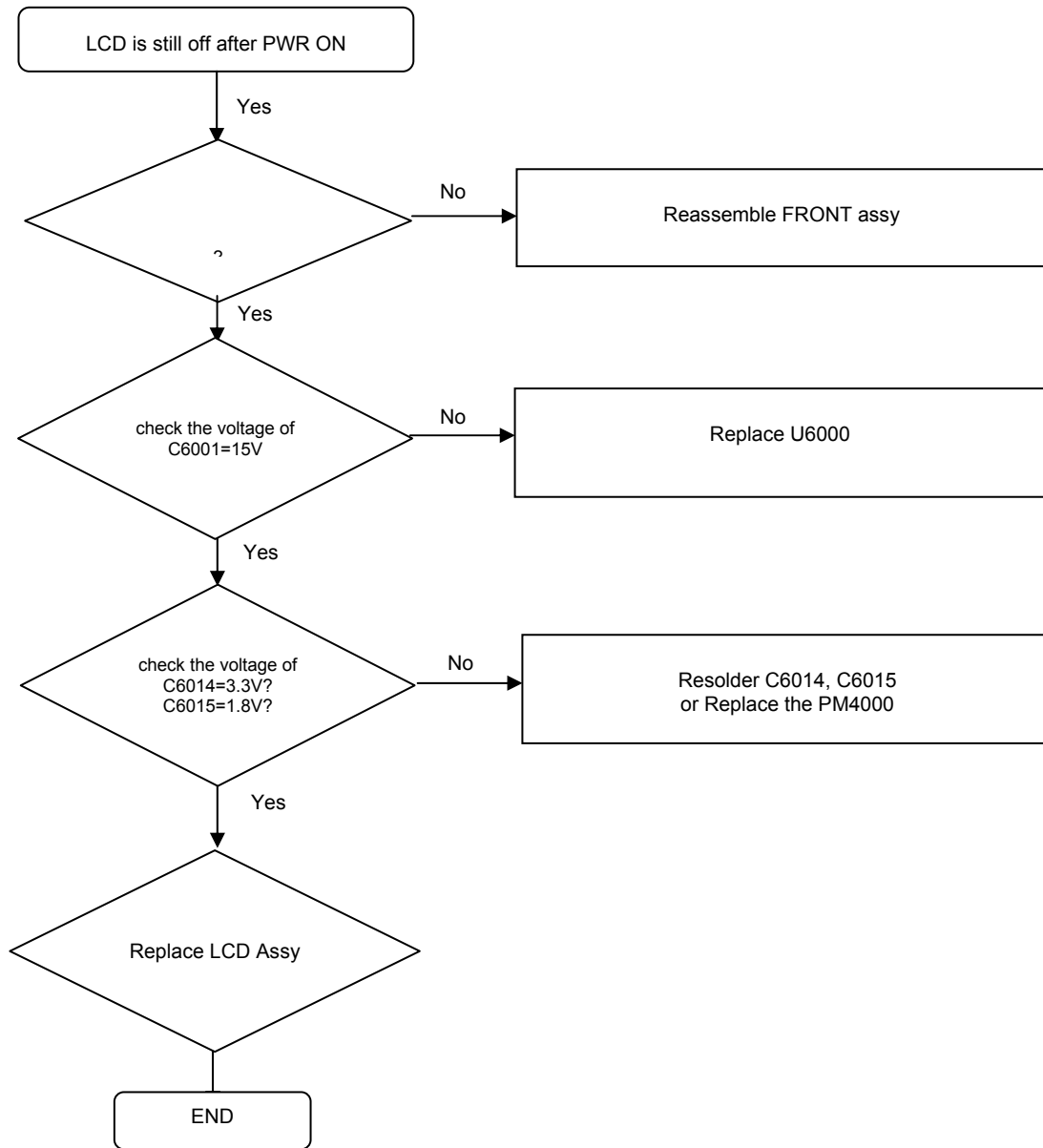
## 8. Level 3 Repair

### 8-4-7. Speaker Part



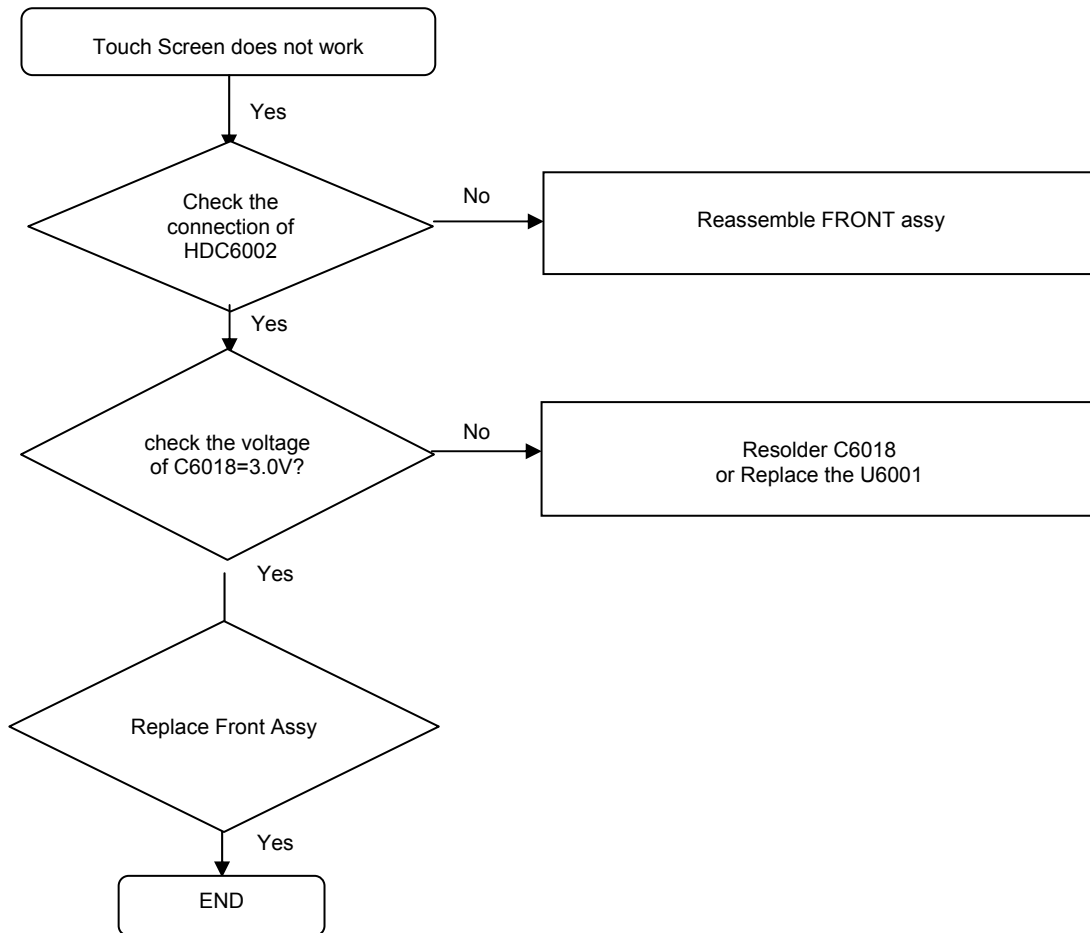
## 8. Level 3 Repair

### 8-4-8. LCD



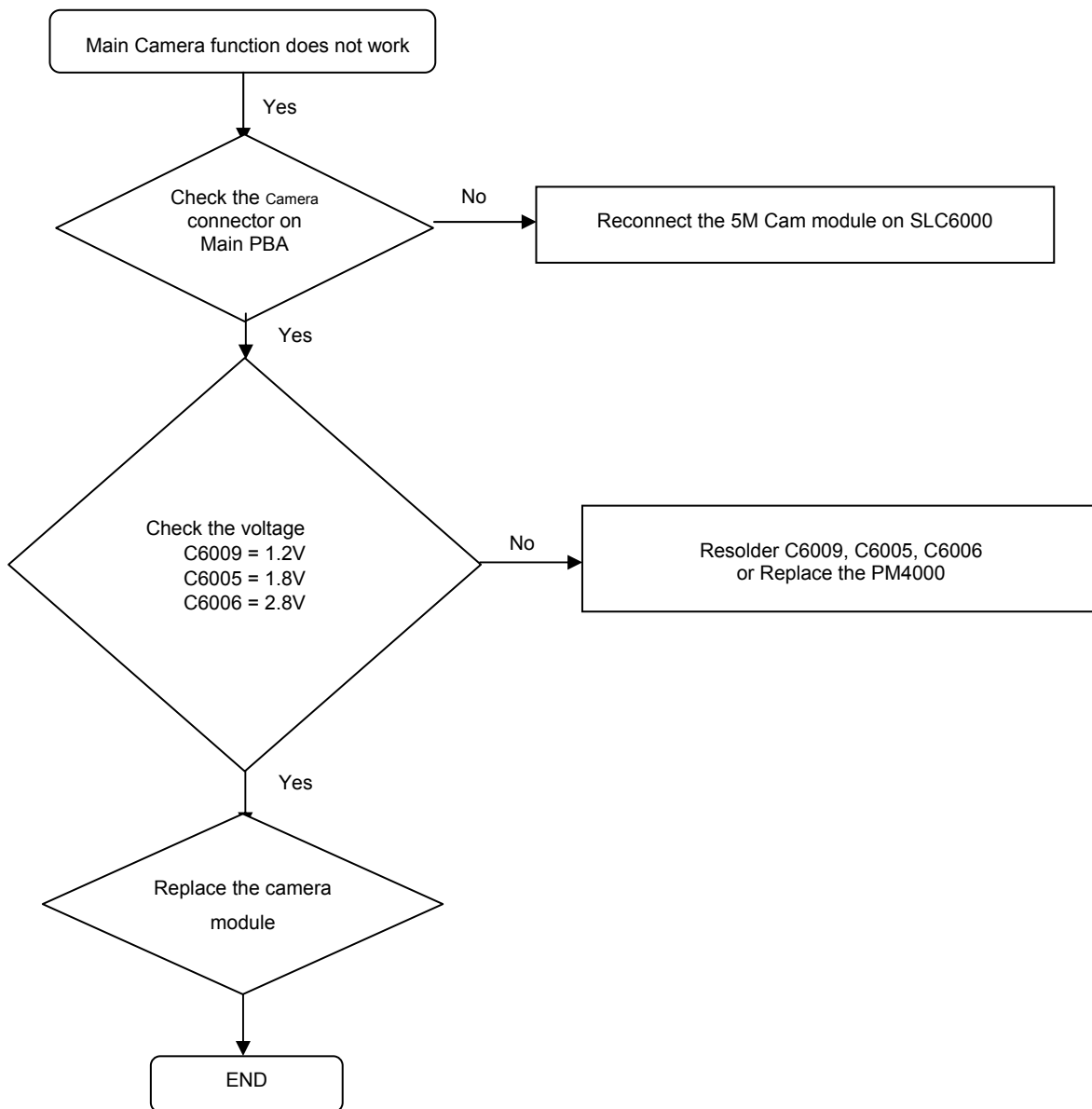
## 8. Level 3 Repair

### 8-4-9. TSP



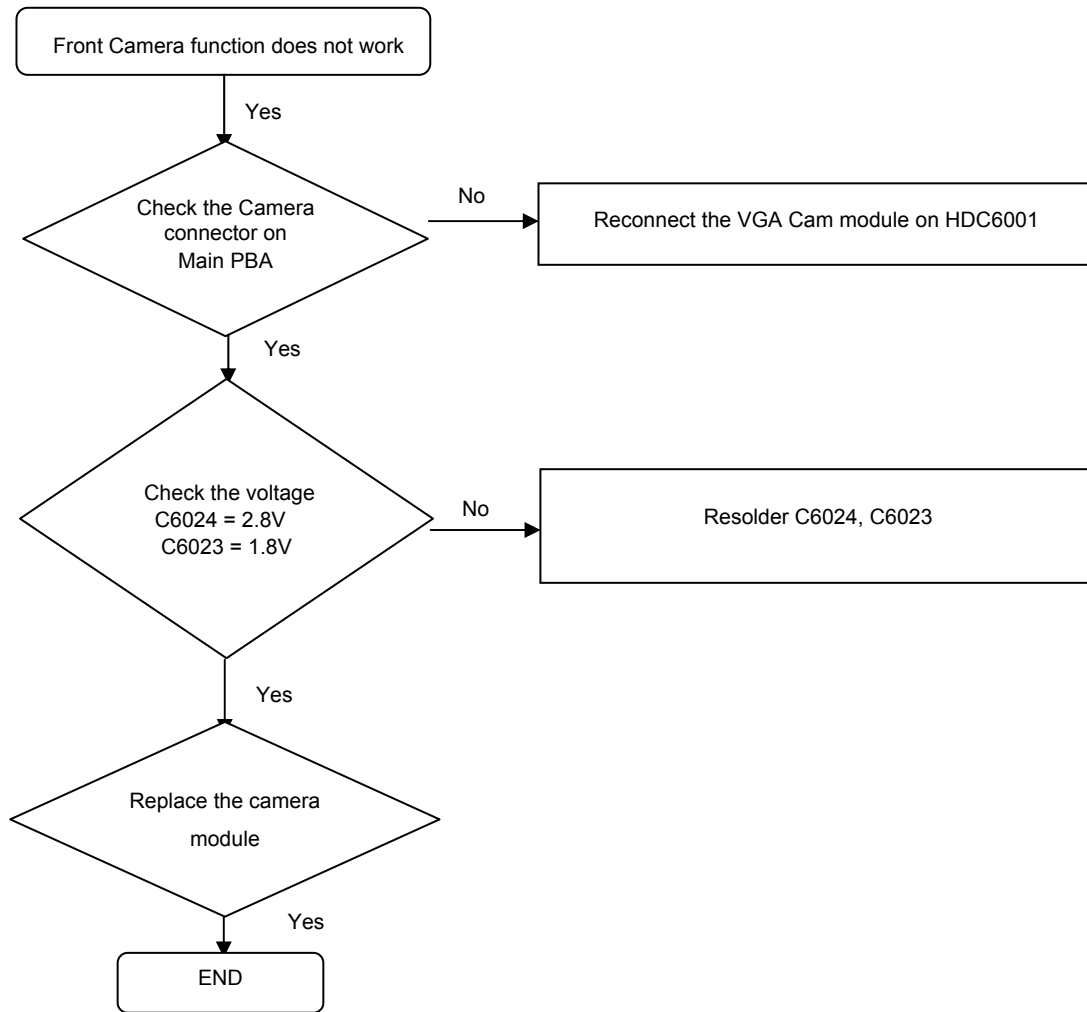
## 8. Level 3 Repair

### 8-4-10. 5M CAMERA



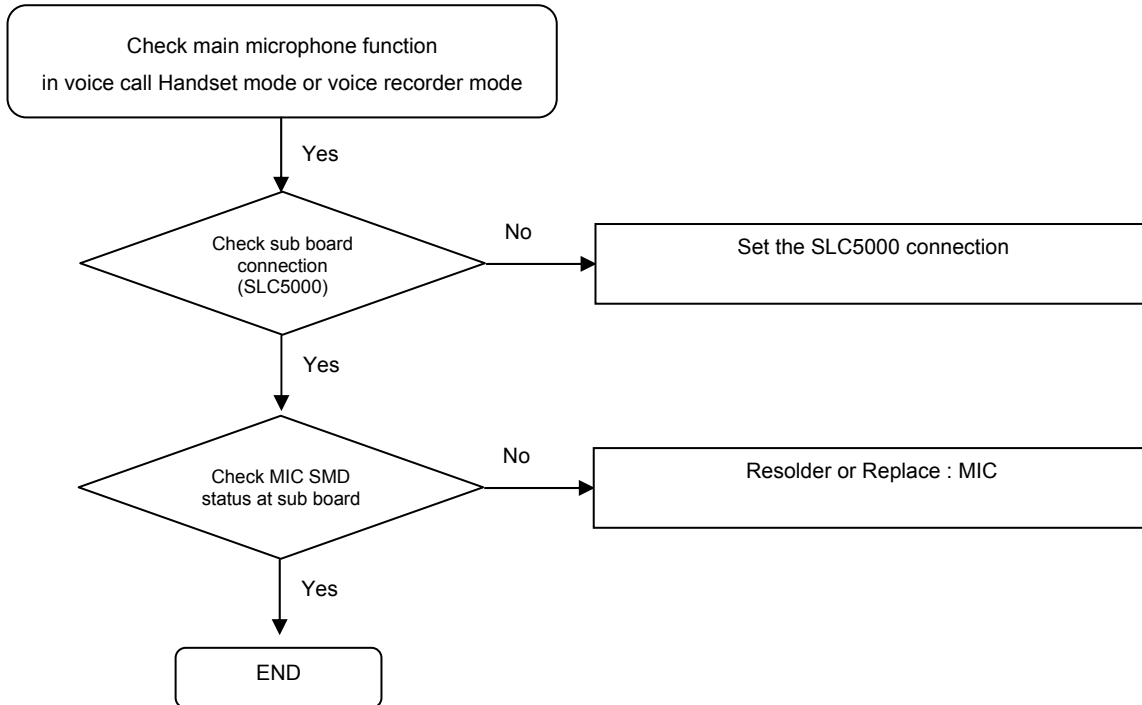
## 8. Level 3 Repair

### 8-4-11. 2M CAMERA



## 8. Level 3 Repair

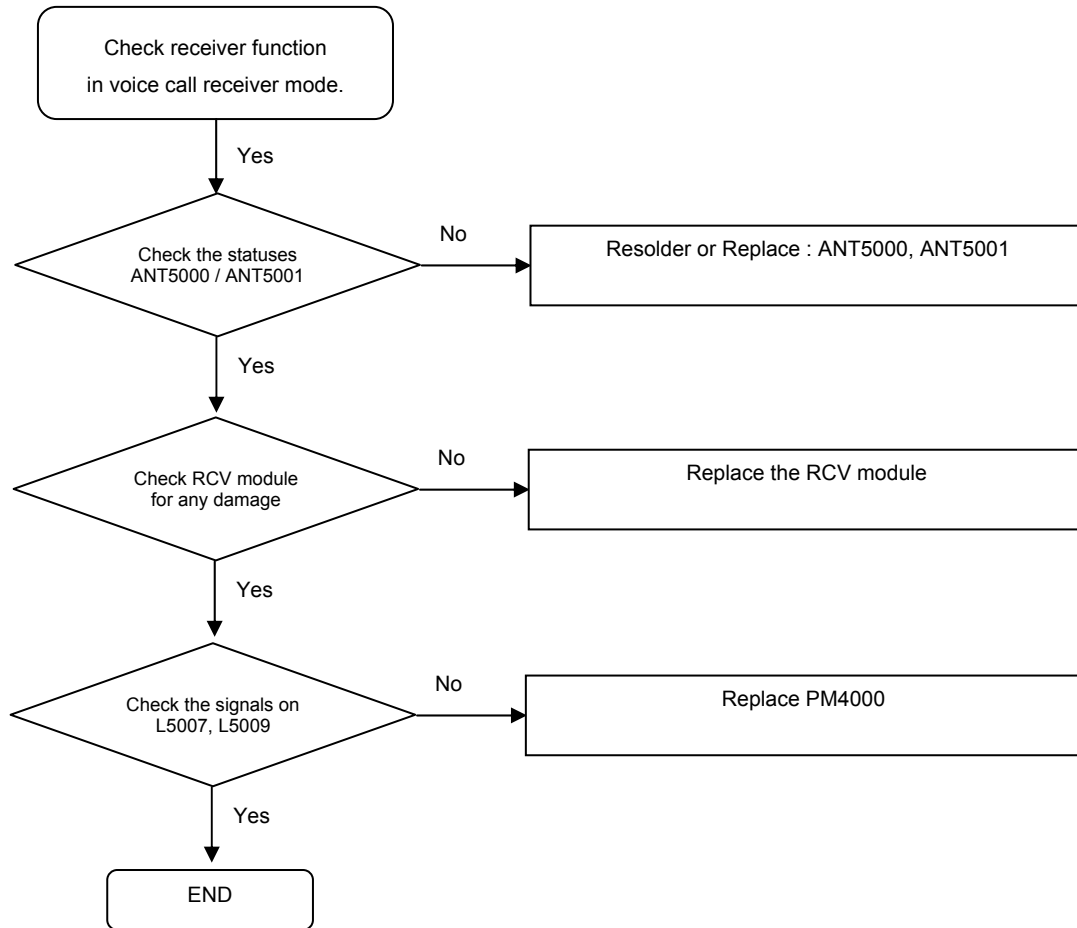
### 8-4-12. Microphone Part - Main MIC





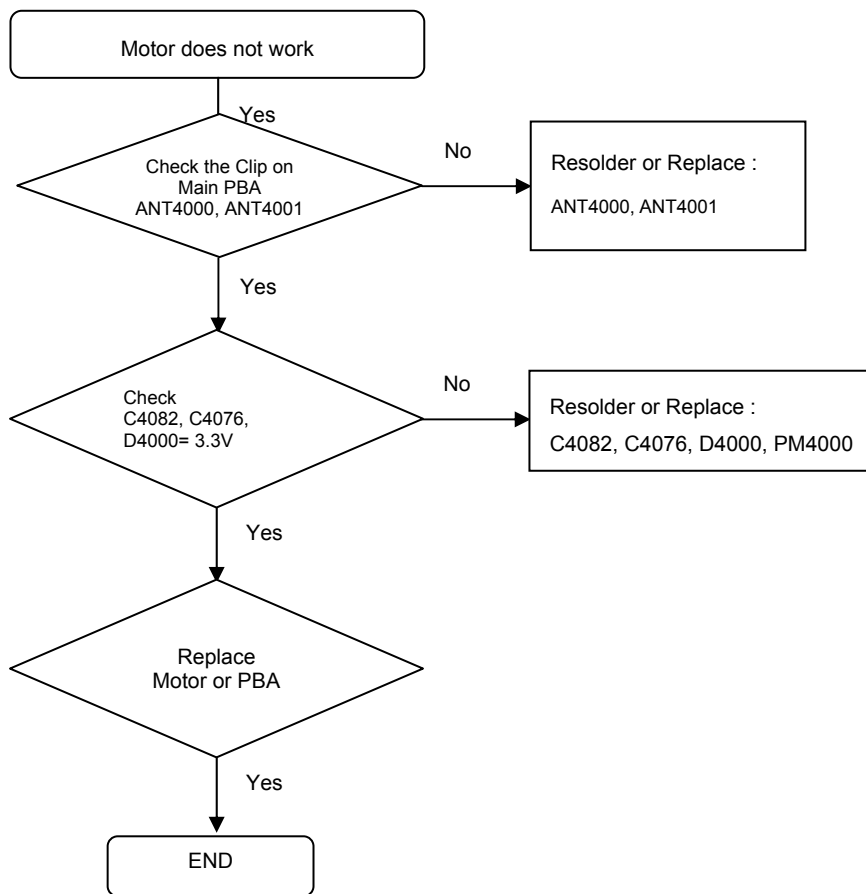
## 8. Level 3 Repair

### 8-4-13. Receiver Part



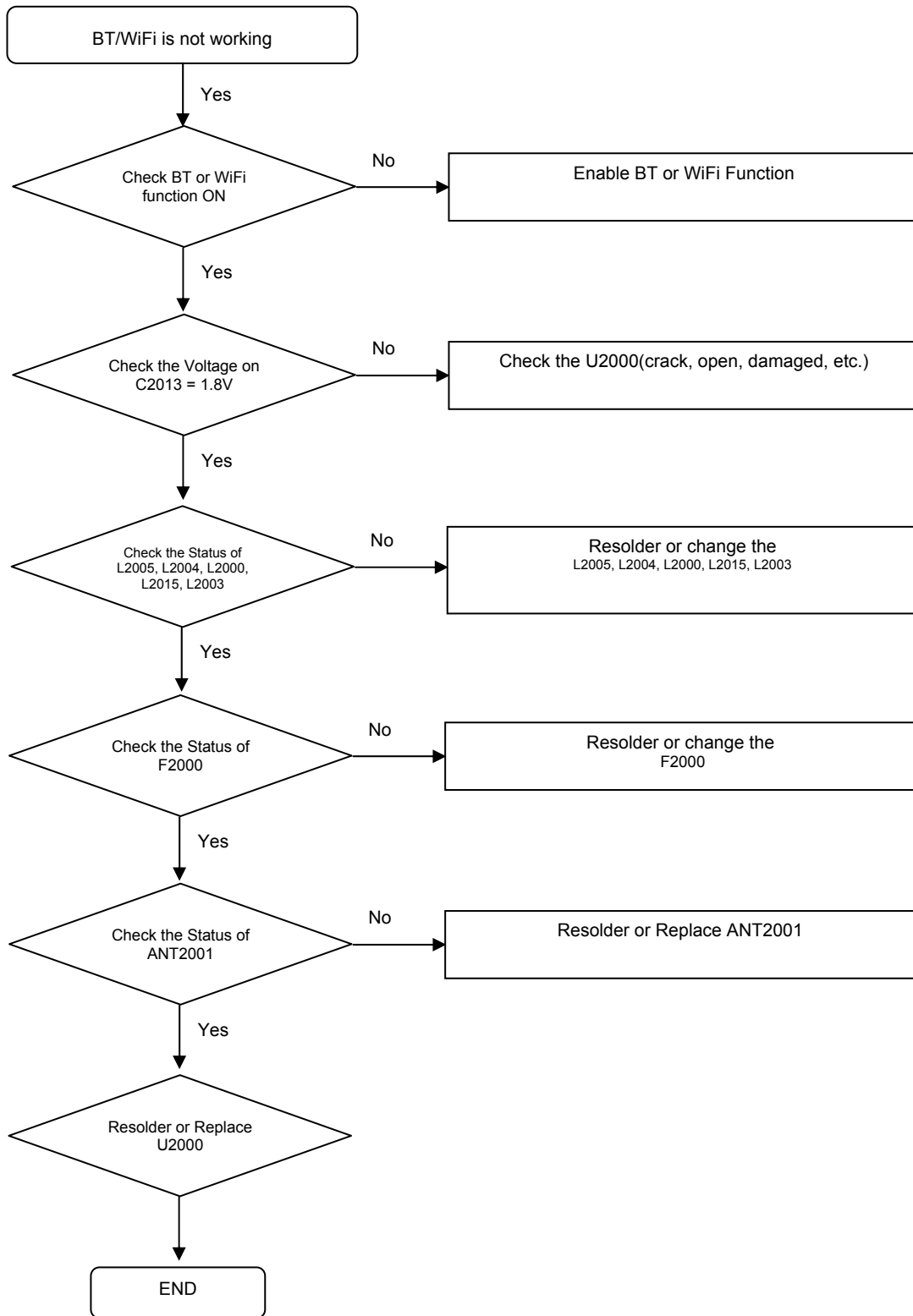
## 8. Level 3 Repair

### 8-4-14. Motor



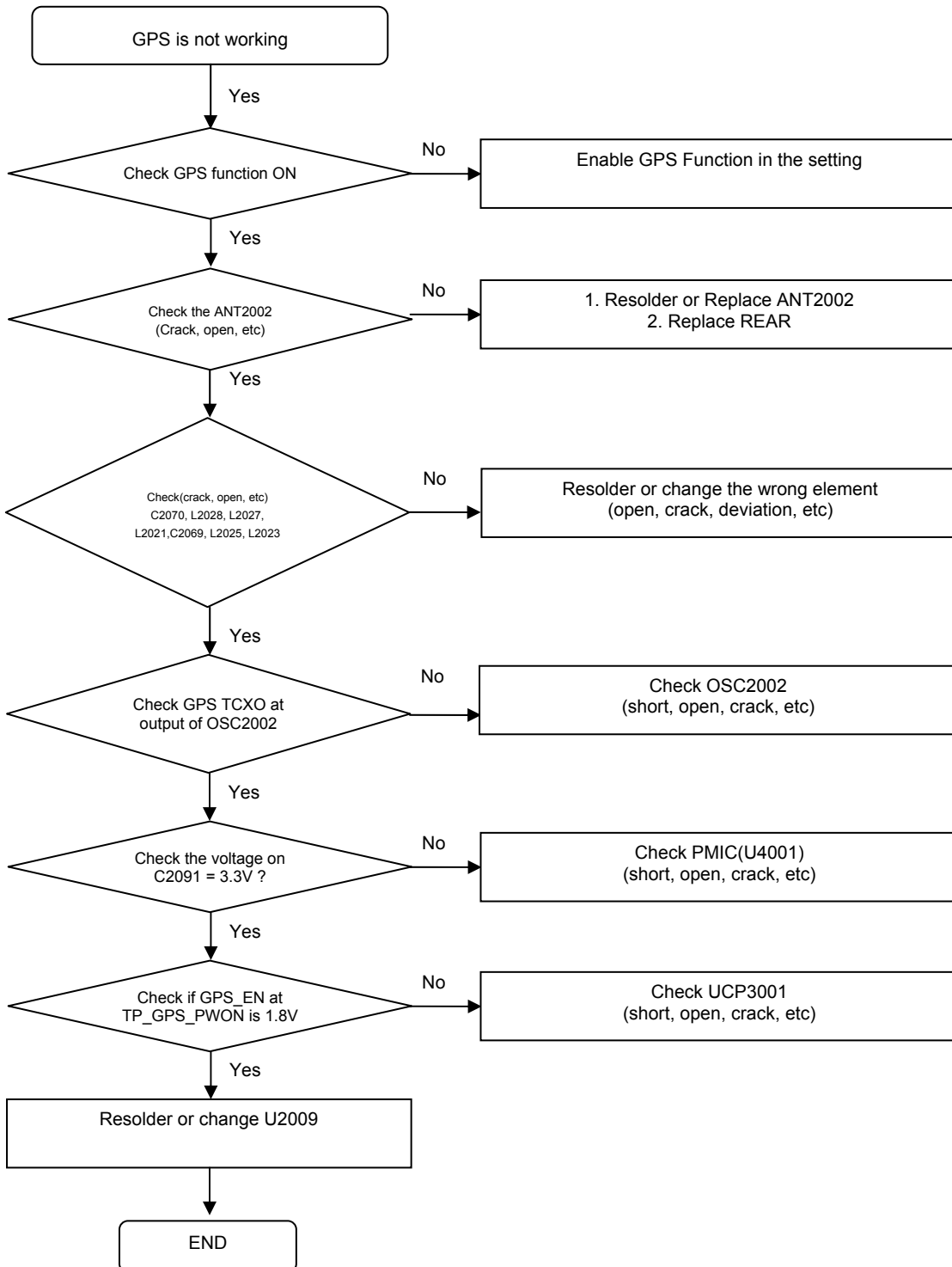
## 8. Level 3 Repair

### 8-4-15. BT/WIFI



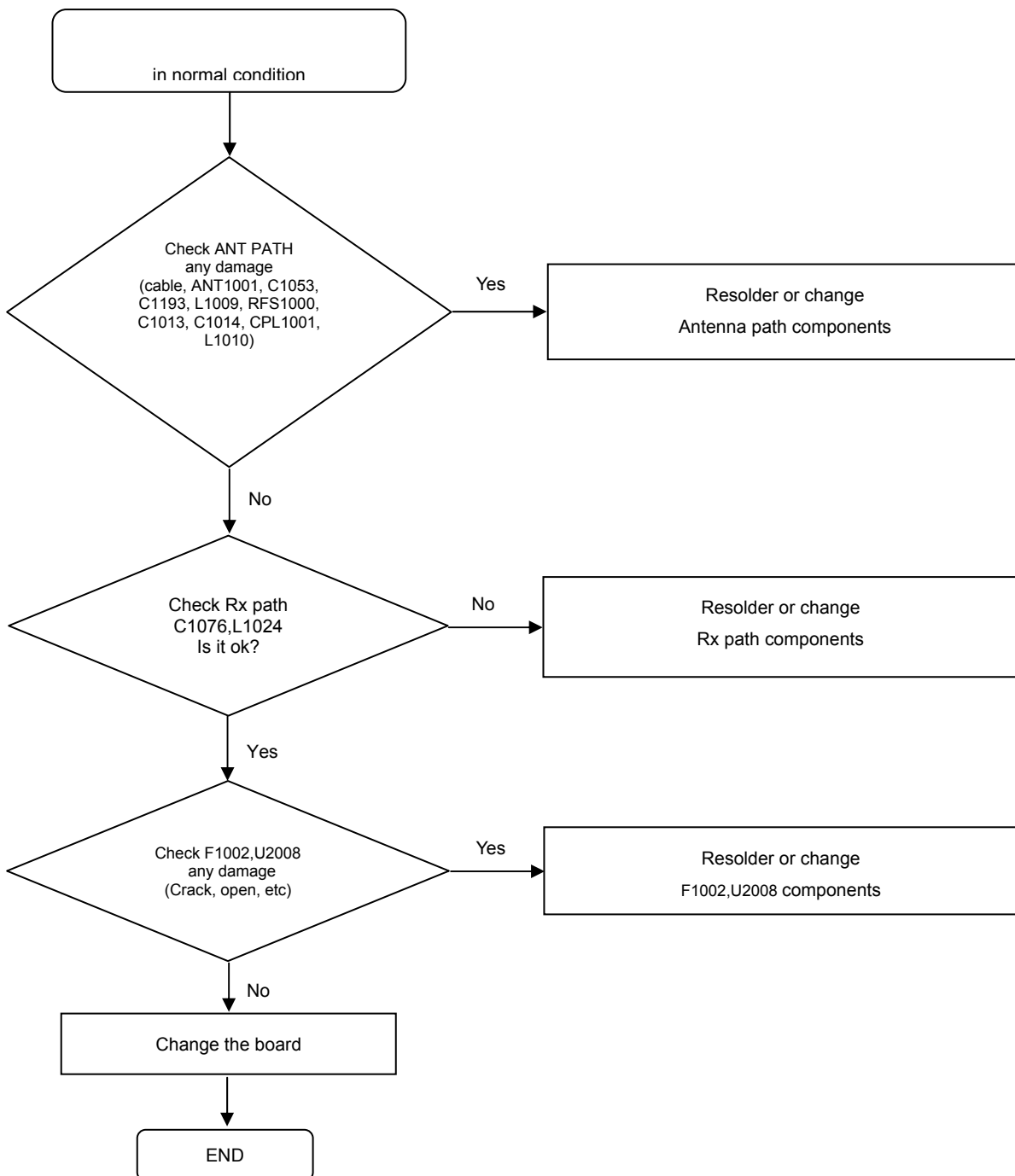
## 8. Level 3 Repair

### 8-4-16. GPS



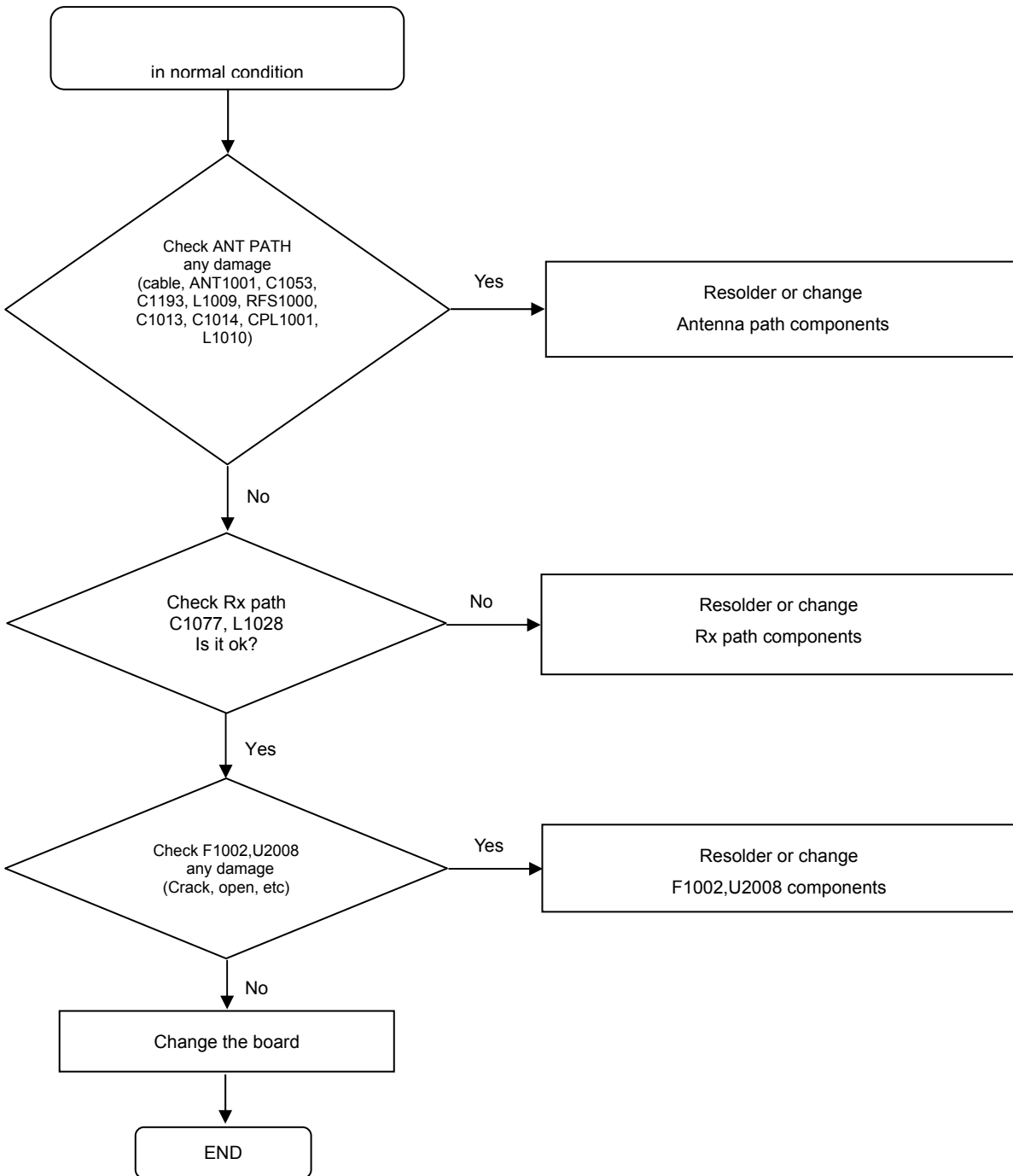
## 8. Level 3 Repair

8-4-17. GSM 850 / WCDMA 850 / LTE B5 RX



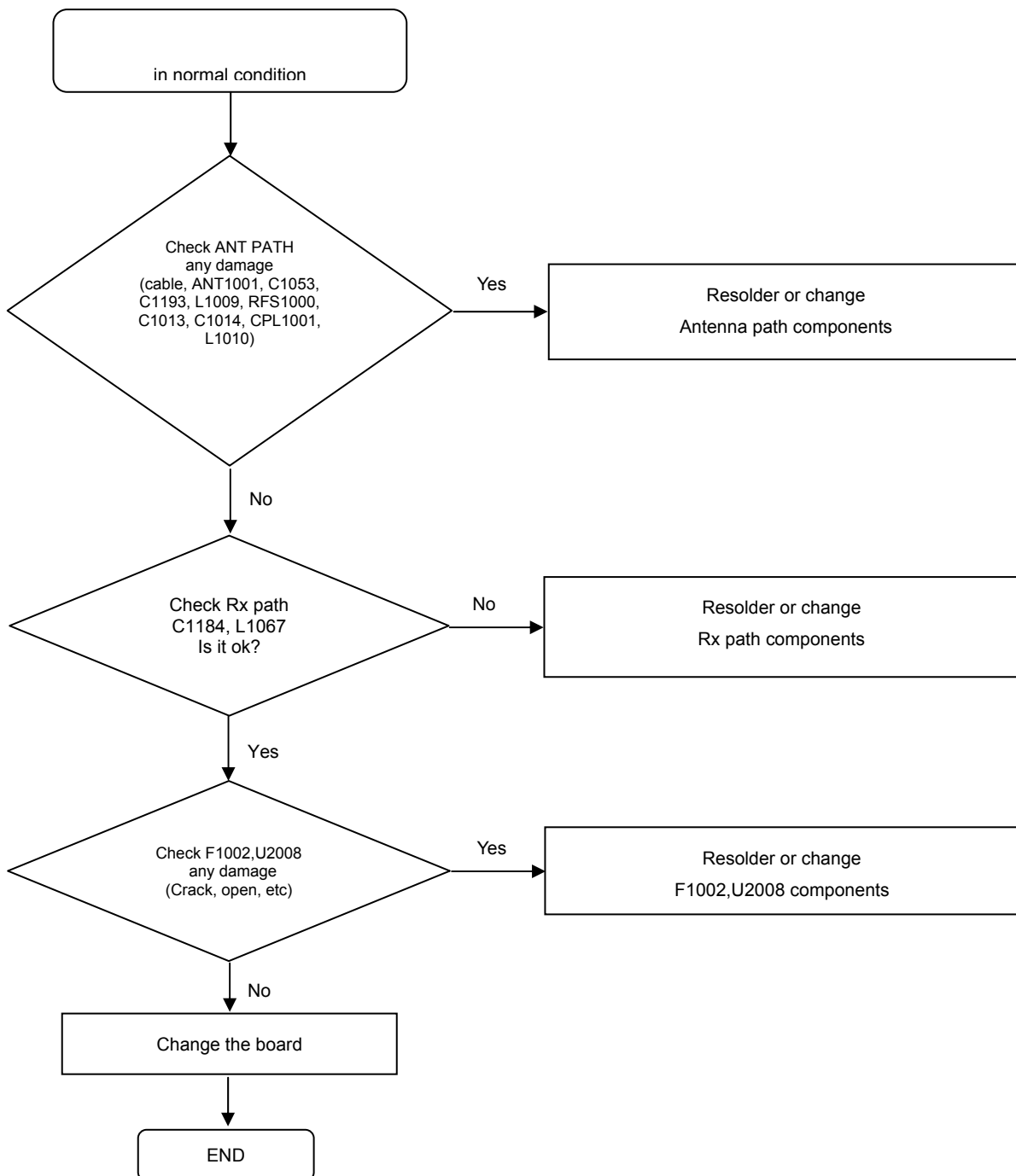
## 8. Level 3 Repair

8-4-18. GSM 900 / WCDMA 900 RX



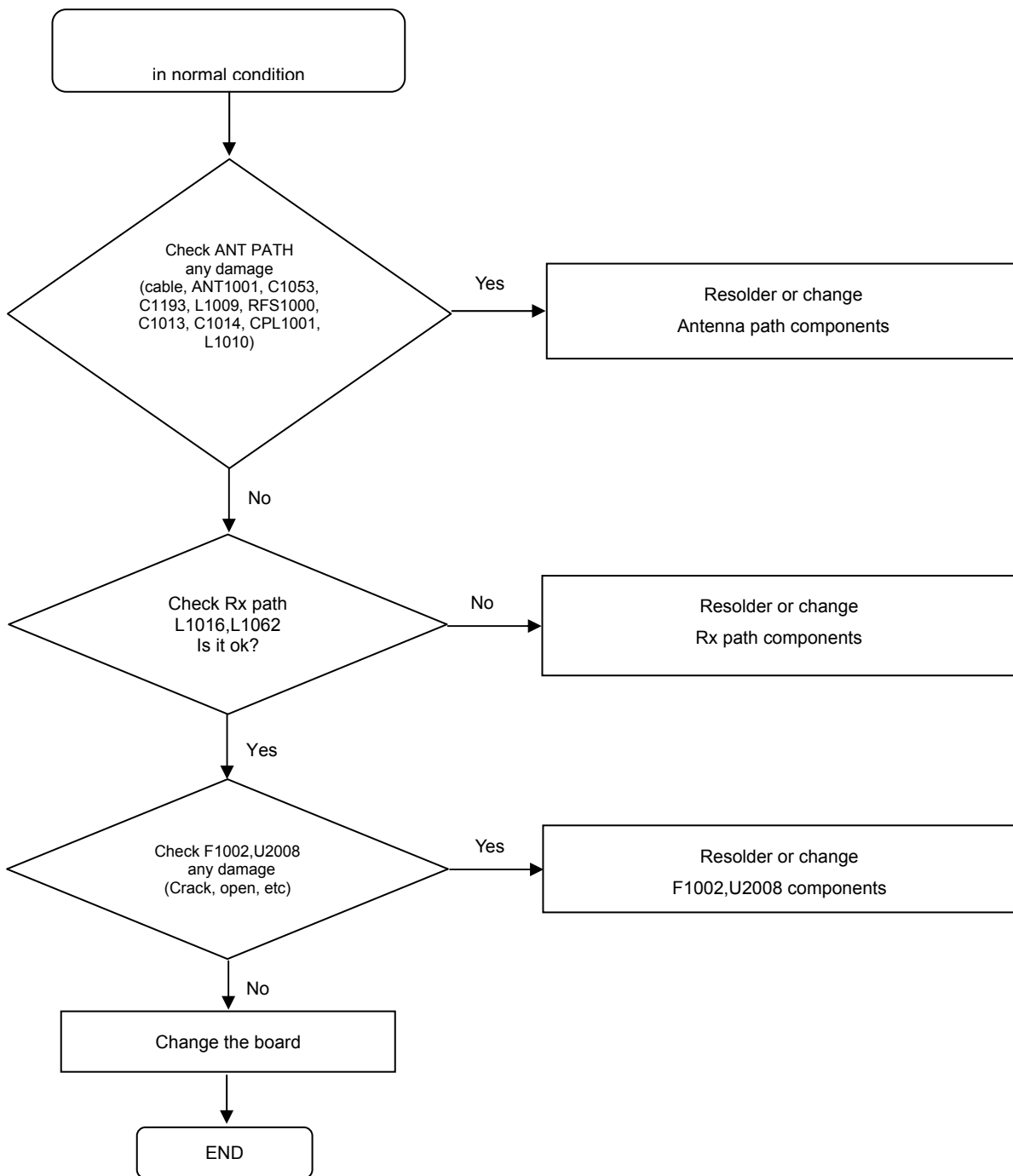
## 8. Level 3 Repair

8-4-19. GSM 1800 / LTE B3 RX



## 8. Level 3 Repair

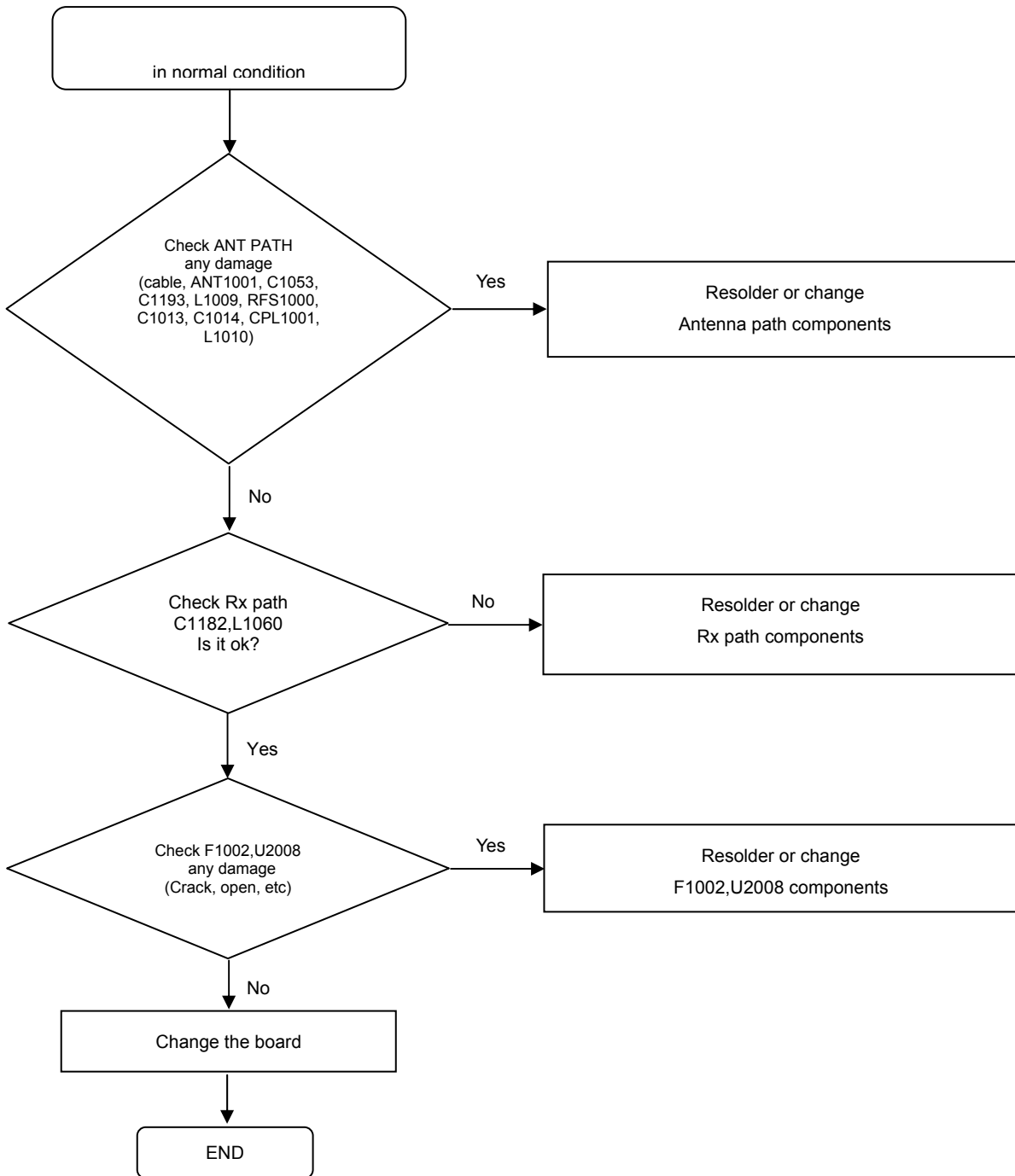
8-4-20. GSM 1900 / WCDMA 1900/LTE B2 RX





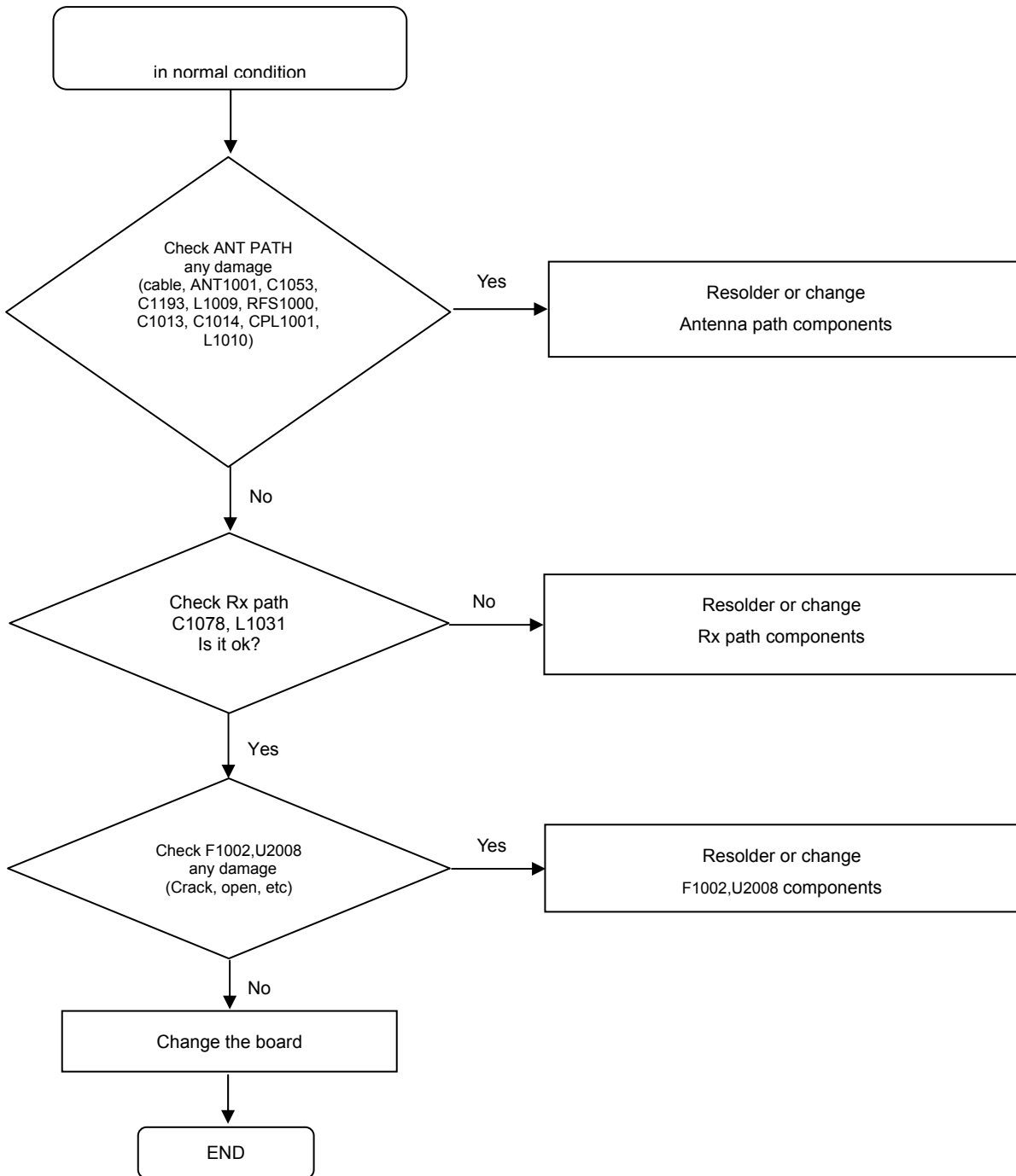
## 8. Level 3 Repair

8-4-21. WCDMA 2100 / LTE B1 / B4 RX



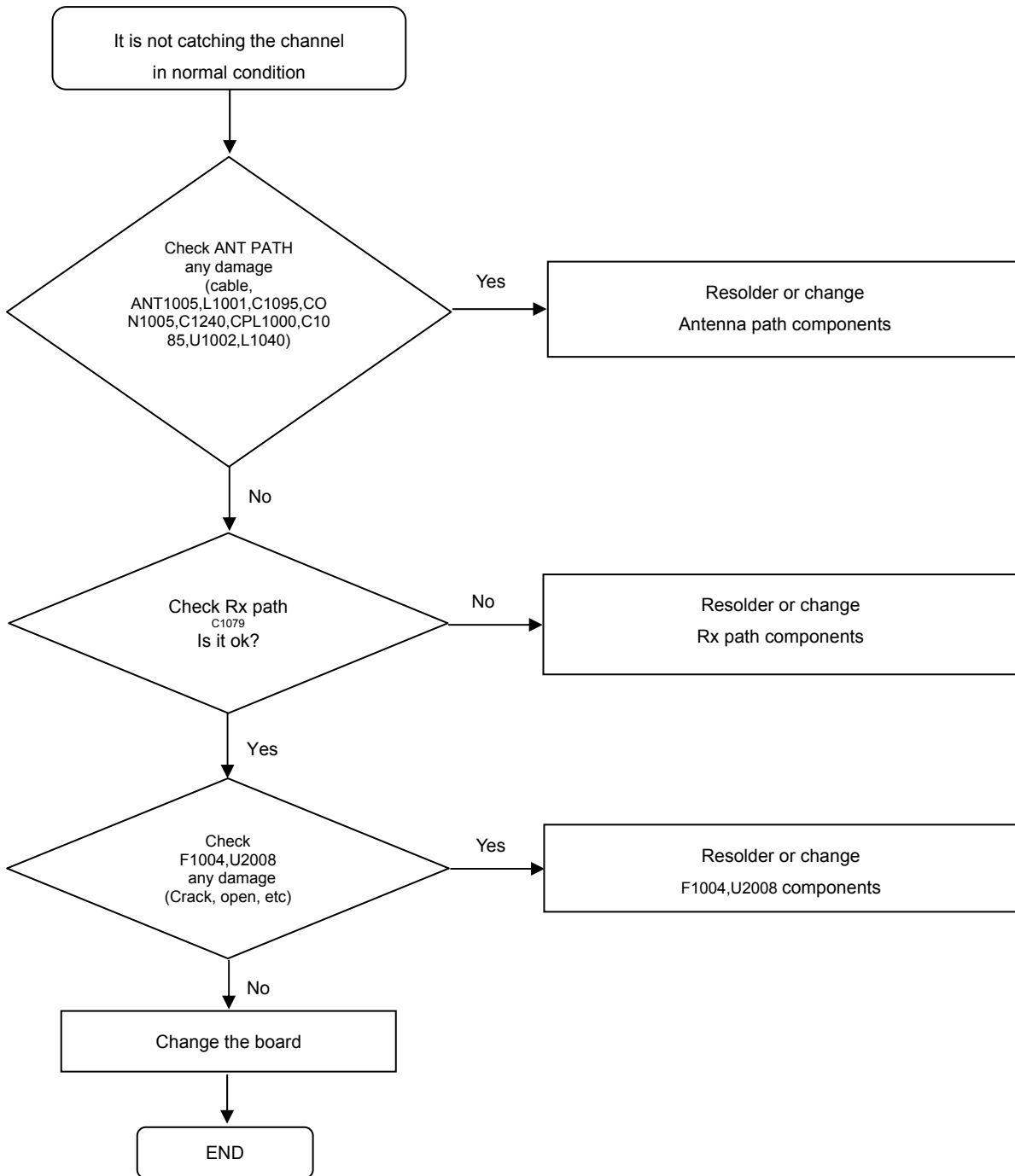
## 8. Level 3 Repair

8-4-22. LTE B17 RX



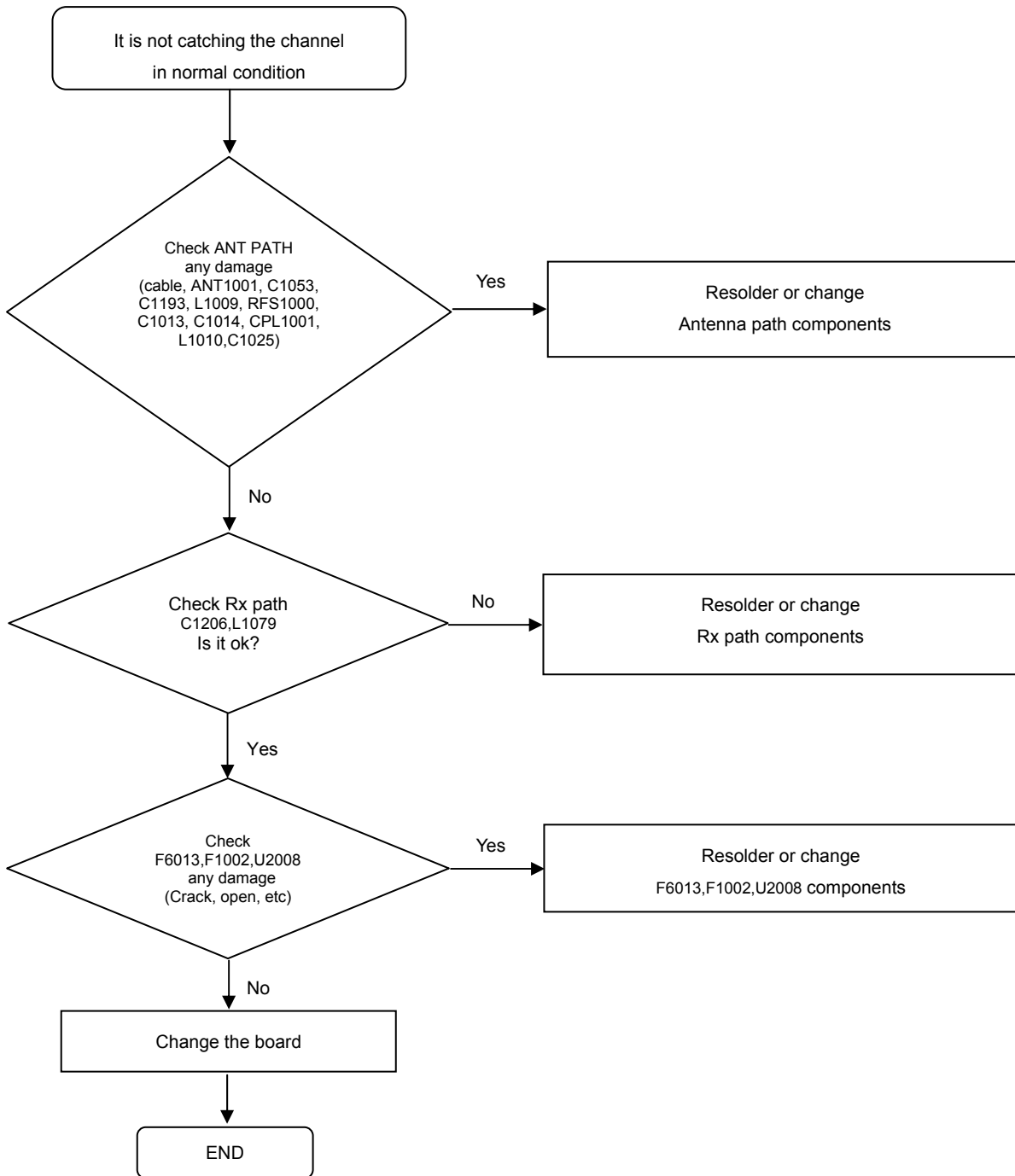
## 8. Level 3 Repair

8-4-23. LTE B7 RX



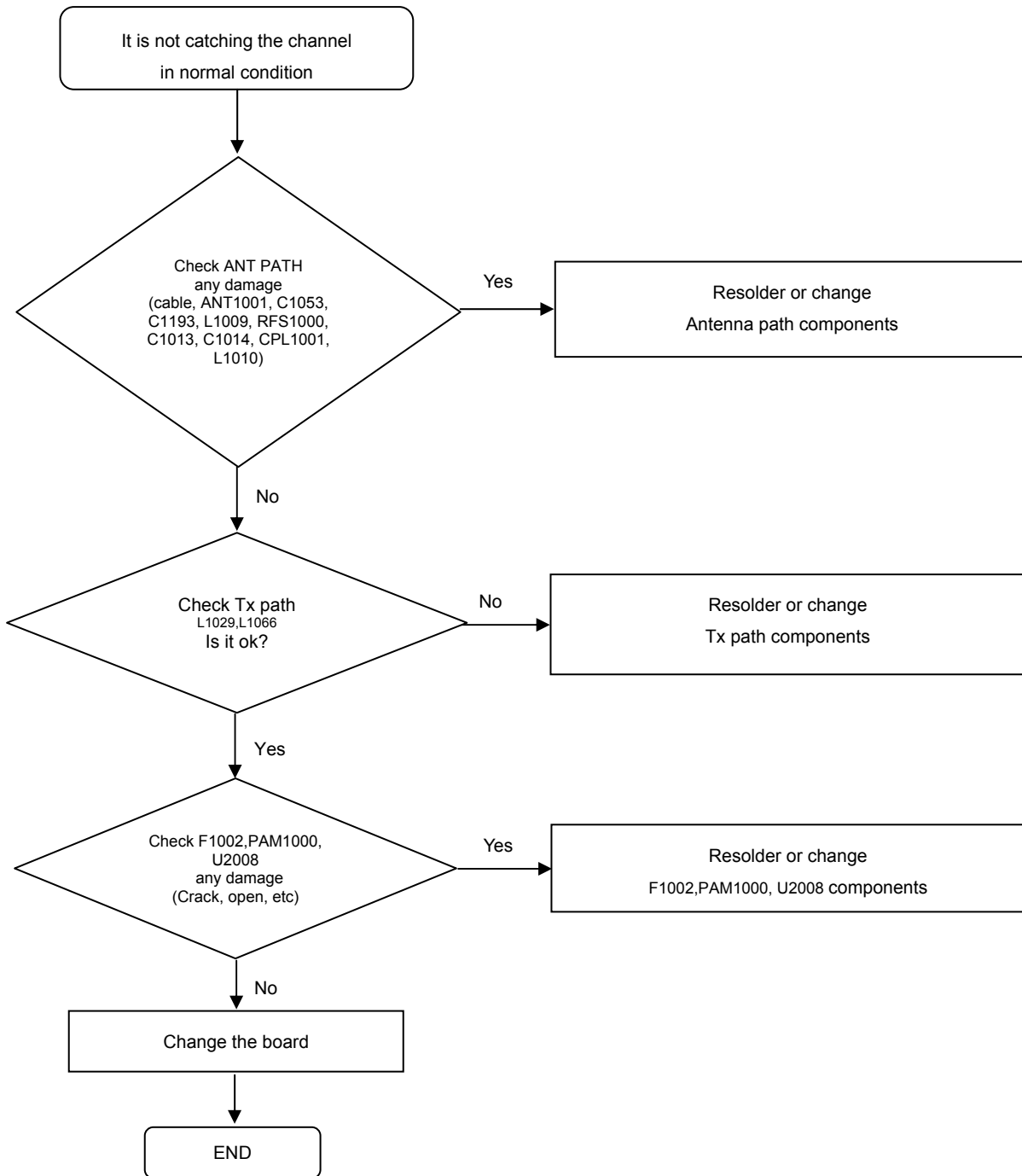
## 8. Level 3 Repair

8-4-24. LTE B28 RX



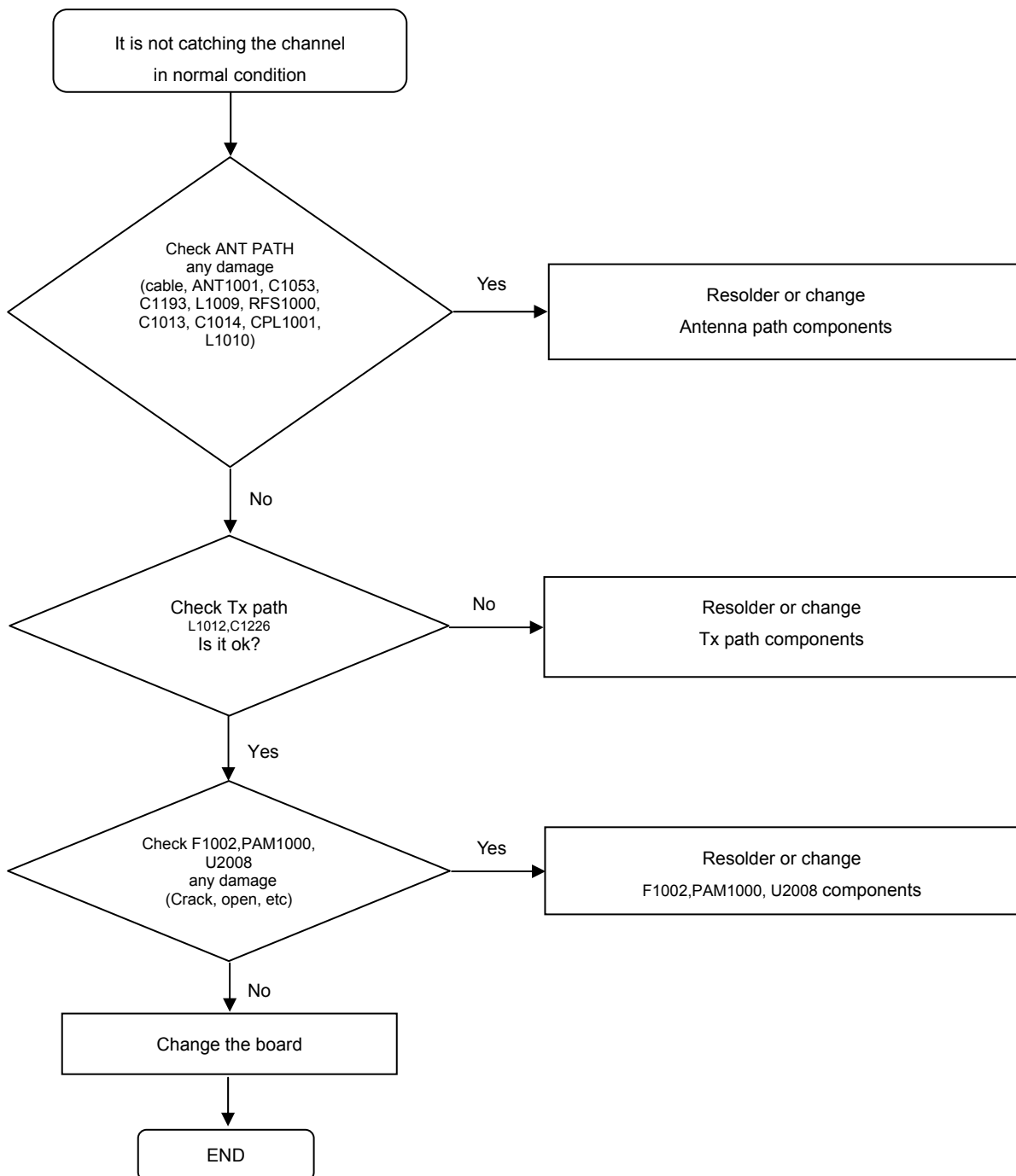
## 8. Level 3 Repair

### 8-4-25. GSM850/GSM900 TX



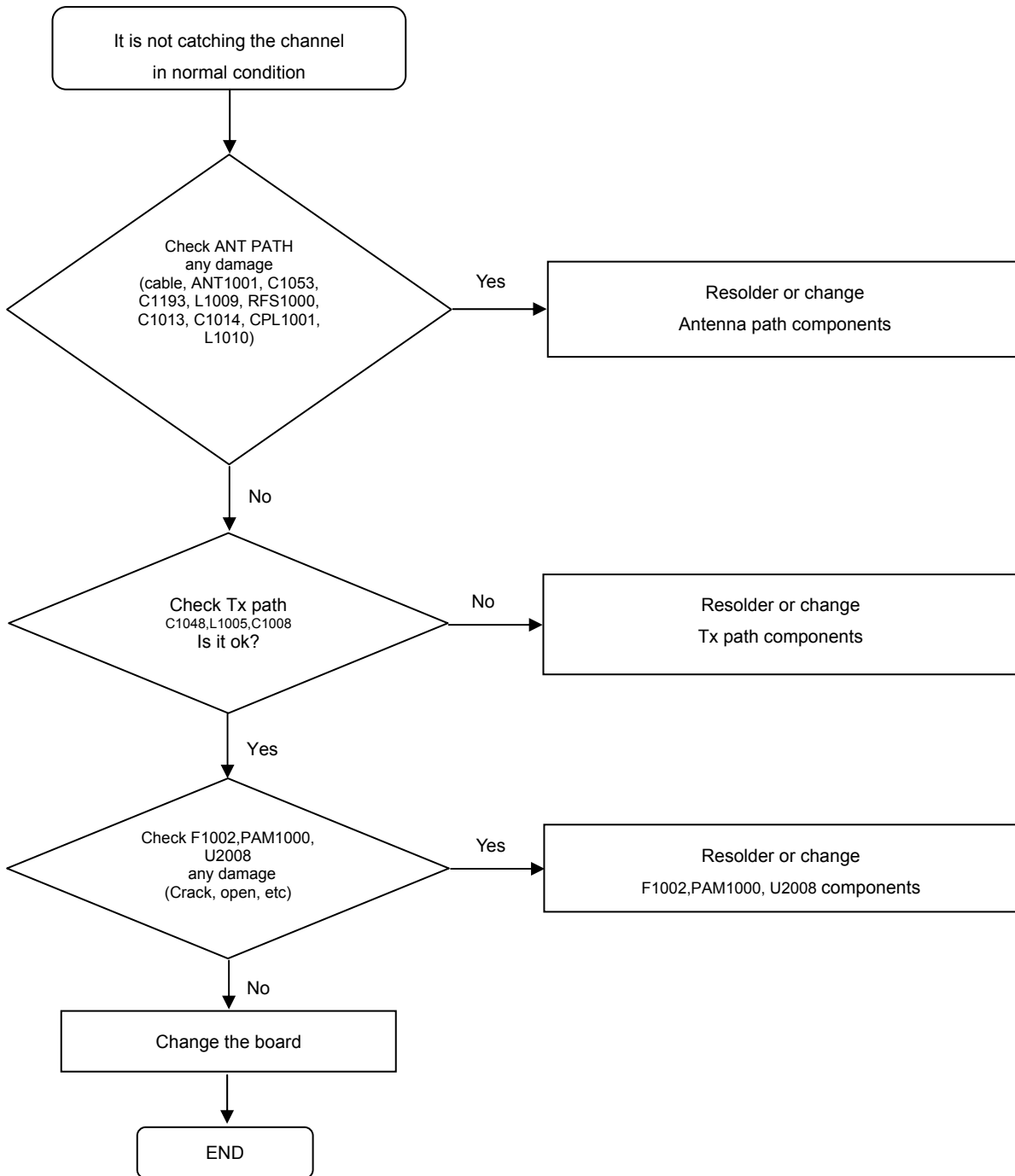
## 8. Level 3 Repair

### 8-4-26. GSM1800/GSM1900 TX



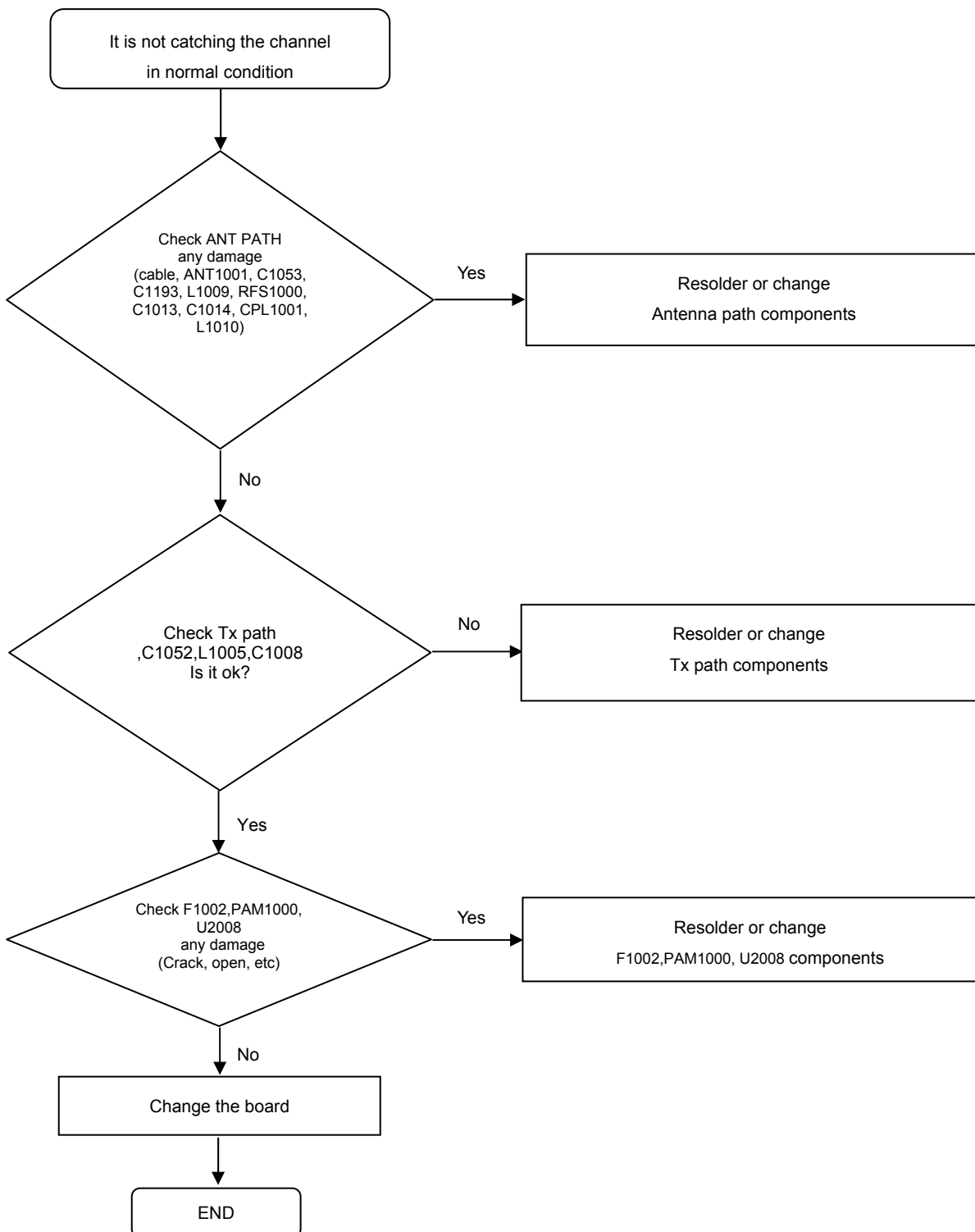
## 8. Level 3 Repair

8-4-27. WCDMA2100/LTE B1 TX



## 8. Level 3 Repair

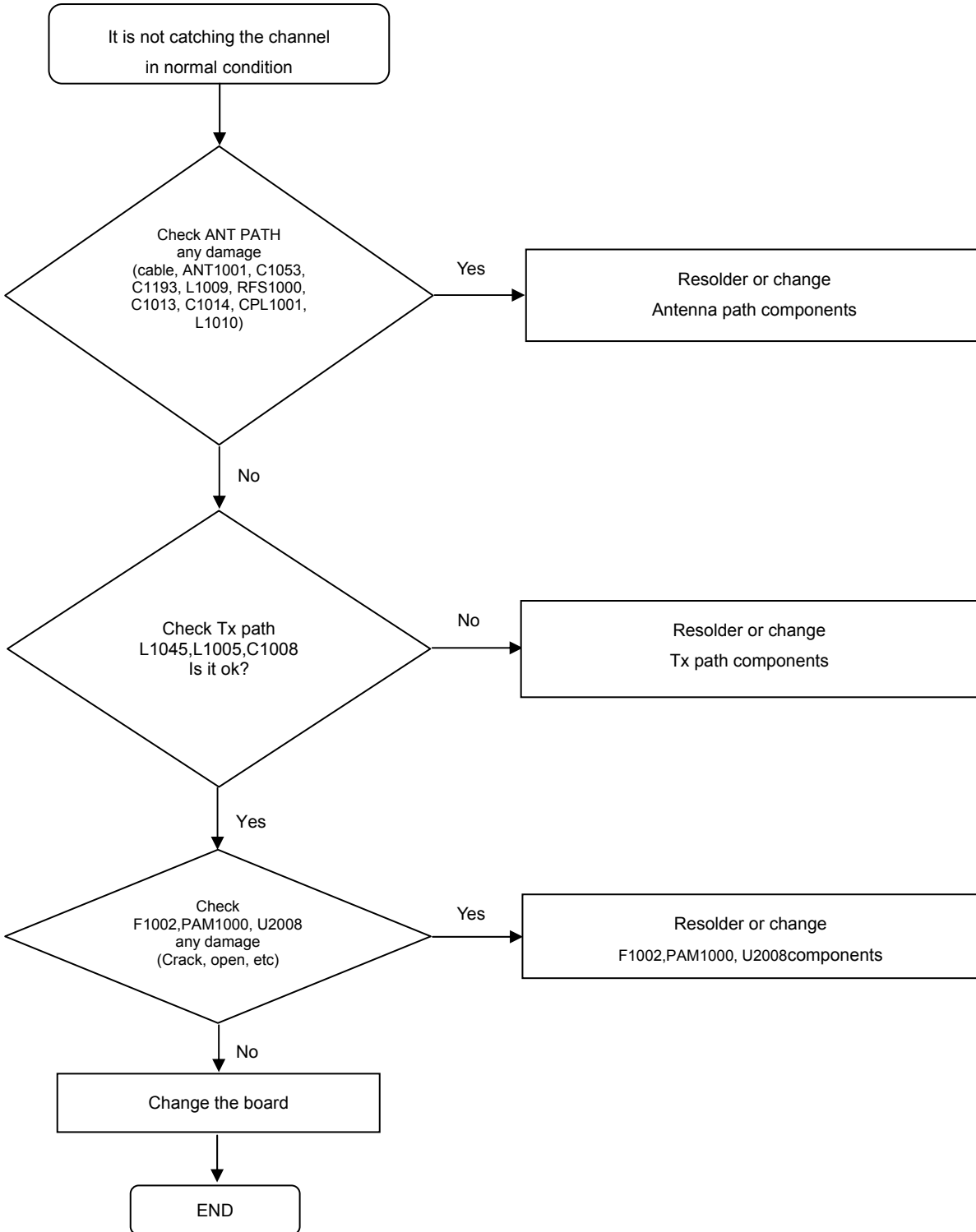
8-4-28. WCDMA1900/LTE B2 TX





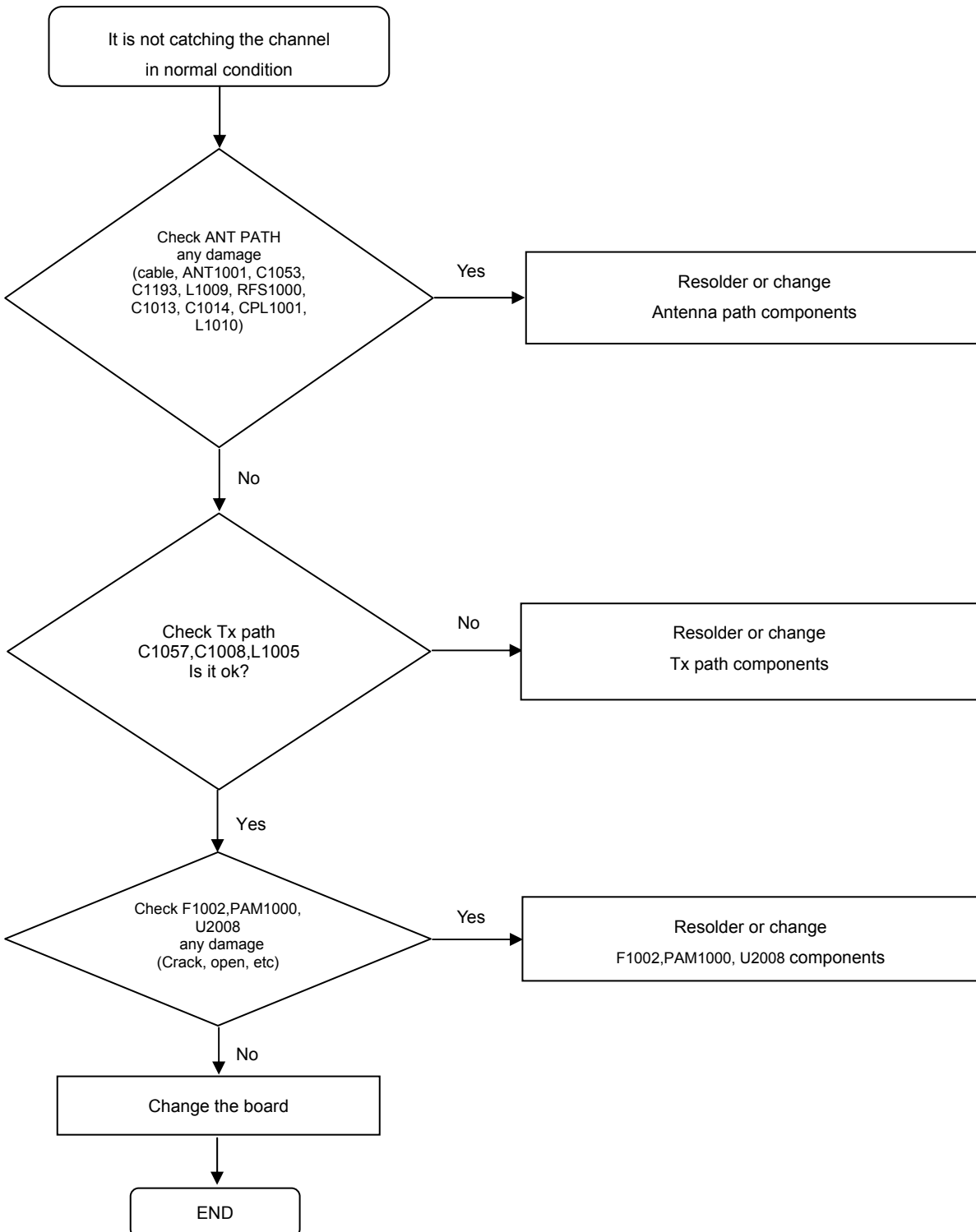
# 8. Level 3 Repair

8-4-29. LTE B3 TX



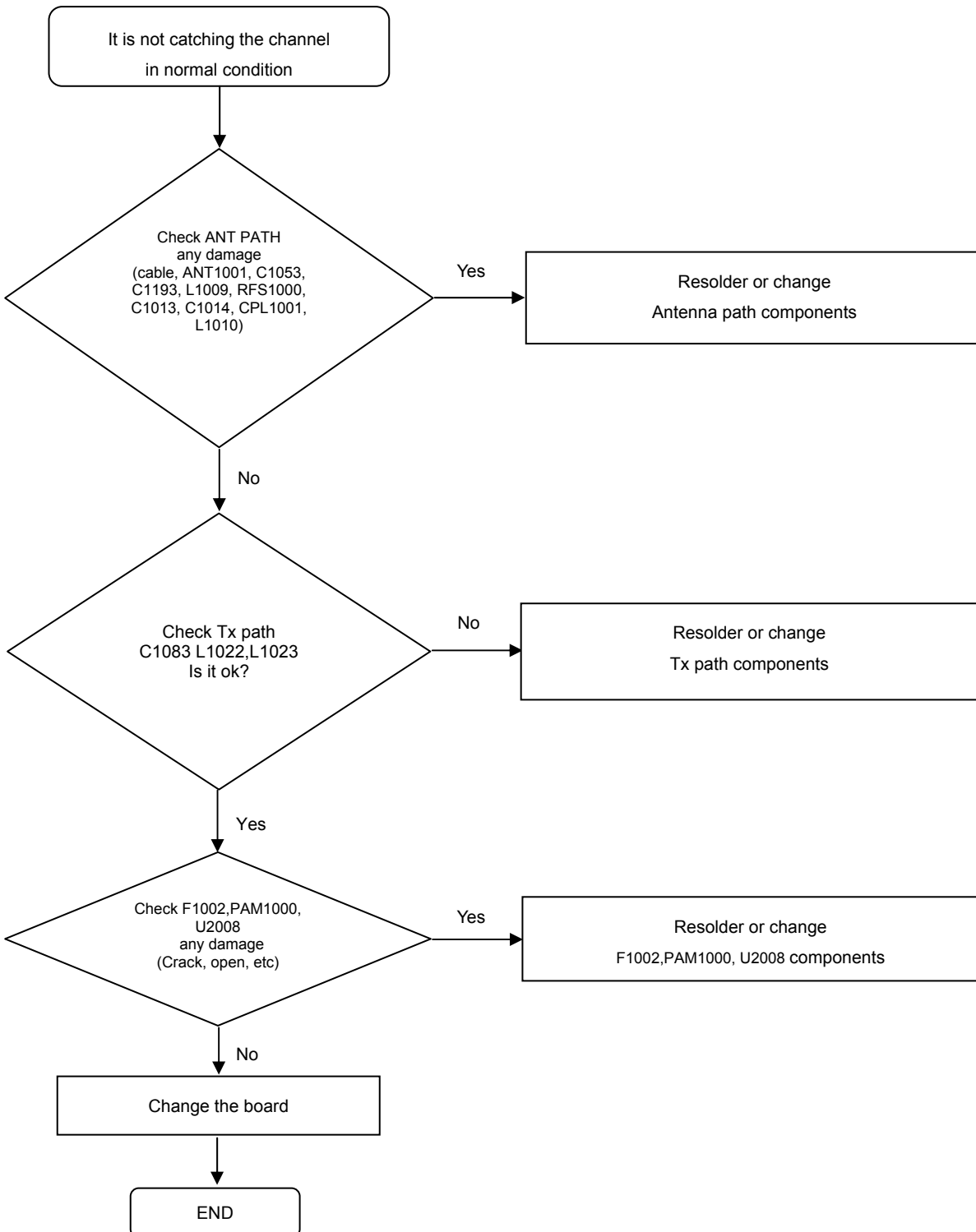
## 8. Level 3 Repair

8-4-30. WCDMA1700/LTE B4 TX



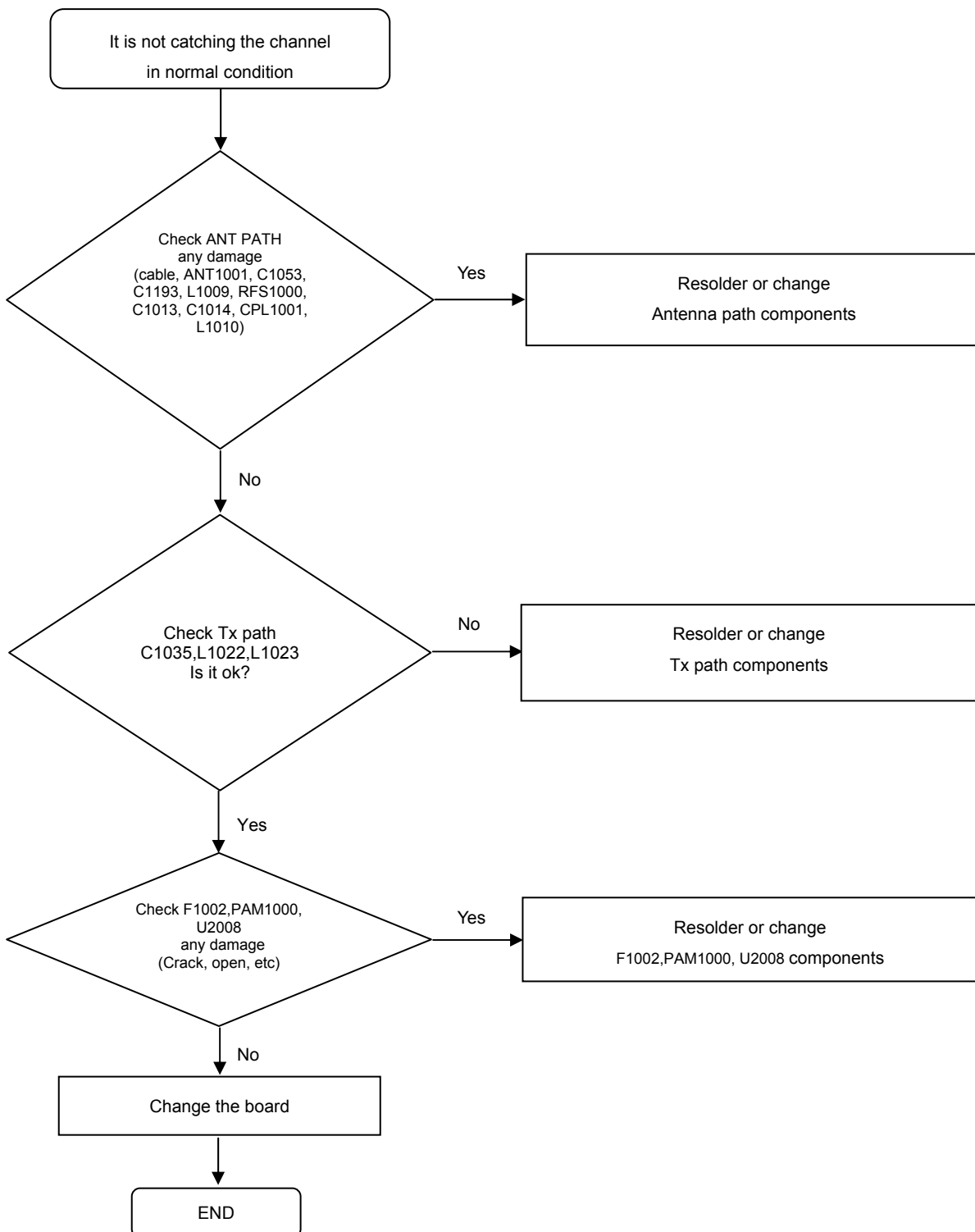
## 8. Level 3 Repair

### 8-4-31. WCDMA850/LTE B5 TX



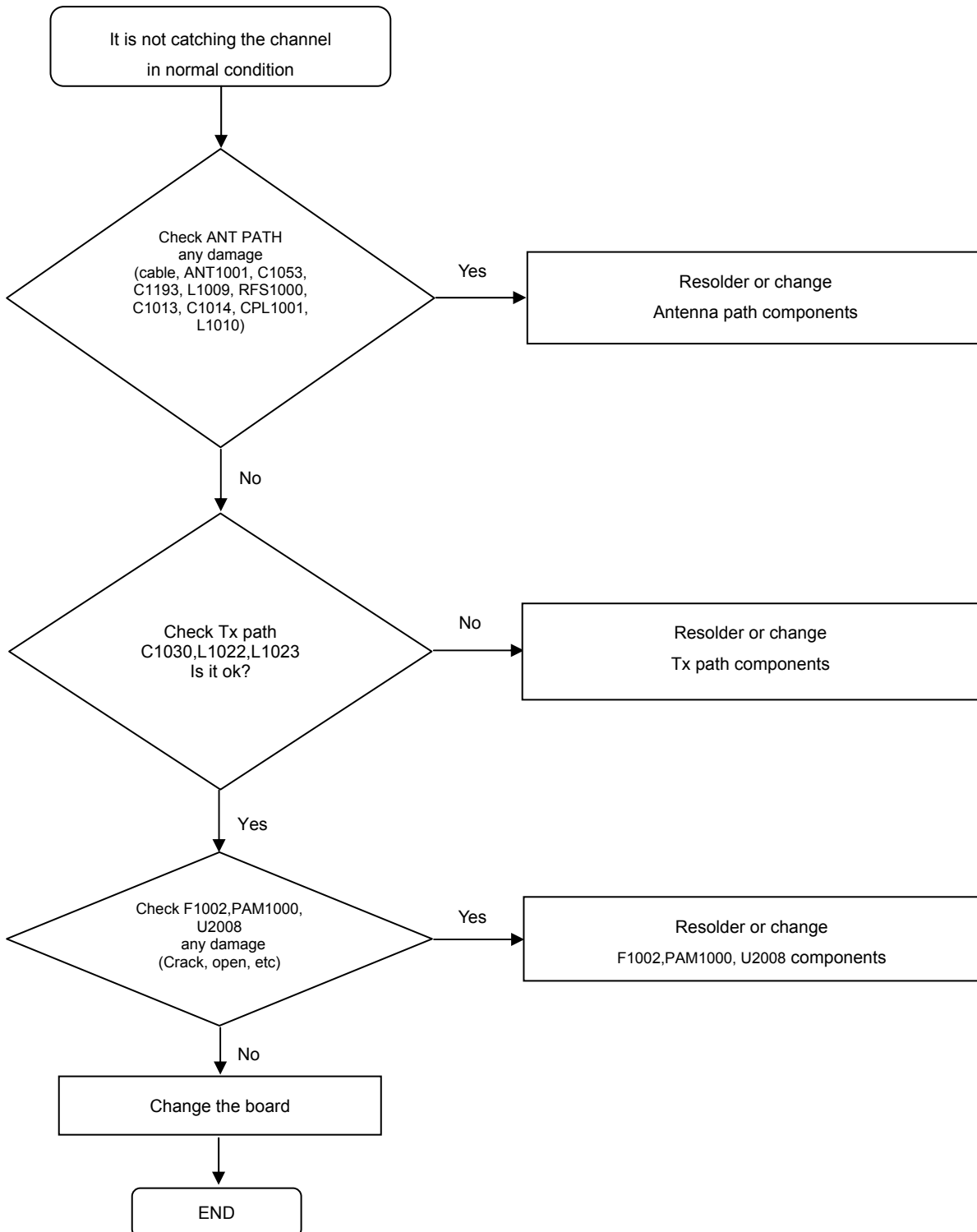
## 8. Level 3 Repair

### 8-4-32. WCDMA900



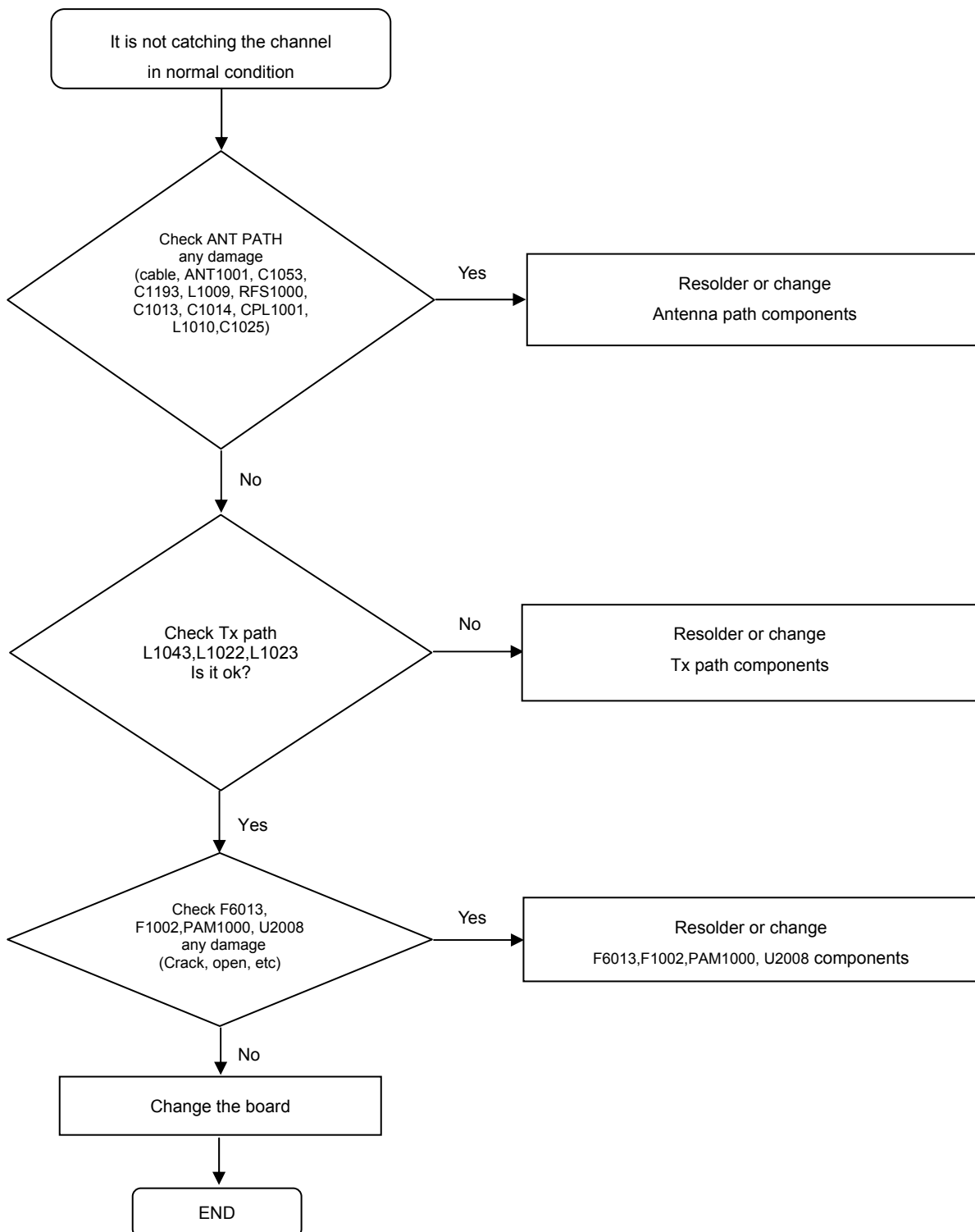
## 8. Level 3 Repair

### 8-4-33. LTE B17 TX



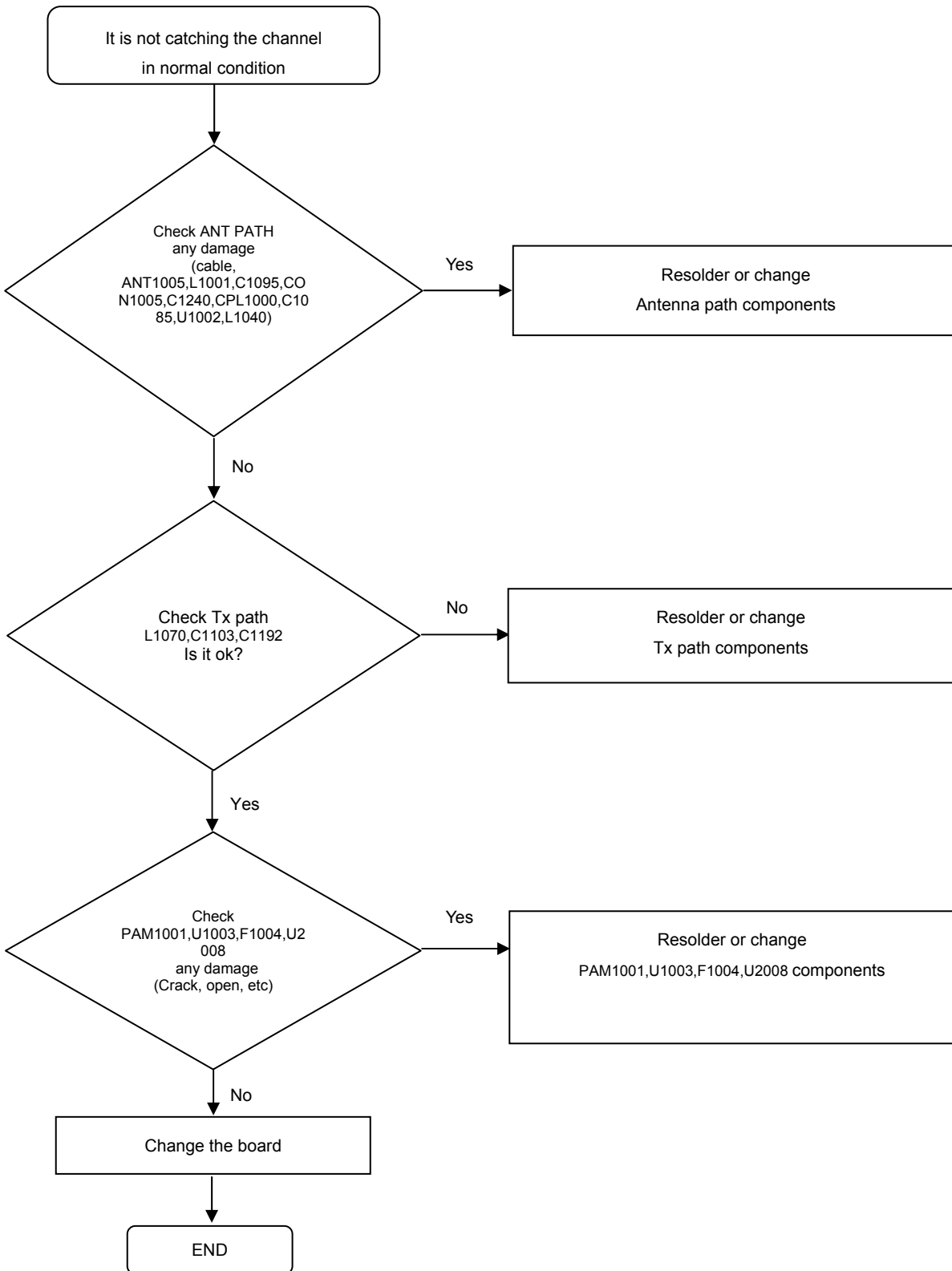
## 8. Level 3 Repair

8-4-34. LTE B28 TX



# 8. Level 3 Repair

8-4-35. LTE B7 TX



## 8. Level 3 Repair

### 8-5. Service Schematics - NC Point(Top View) UCP2000 (AP)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		
A	EMVS	NC	NFPF		NFD	NFD		NFD	TEST		MCSI	MCSI		MCSI	MCSI	MCSI	MCSI		MCSI	KEY0		KEY1	IISO		IIS1	NC	VSSC		
B	NC	EMMC	NFCL	NFRE	NFWE	NFD	NFD	NFD	TEST	CAM	MCSI	CAM	SDA0	MCSI	MCSI	MCSI	MCSI	MCSI	MCSI	KEY0	KEY1	SDA2	IISO	IIS1	IISO	MTCK	NC		
C		EMMC	NFRB	NFCE	NFD	NFD			NFD	MCSI		CAM				MCSI	MCSI			KEY0	KEY1			IIS1	IIS1	MTDI			
D	EMMC	EMMC		NFCE	NFD		NFD	MCSI	MCSI		CAM				MCSI	MCSI				CLK	SCL2	IISO		IIS1	MTDO	TRAC	TRAC		
E	EMMC	EMMC	EMMC	EMMC	EMMC	NFD	NFD	MCSI	TEST					AVSS	AVSS		VSSC				IISO	MTRS	MTMS	TRAC	TRAC	TRAC	TRAC		
F		EMVS	EMMC	EMMC	NFAL	VSSC	NFD		NFD	TEST		SCLD					VSSC	VSSC		VSSC	VSSC			TRAC		TRAC			
G	EMD	EMDQ		EMD	EMD																	USRT	TRAC	TRAC		UOTX	UORX		
H	EMD	EMDQ			EMVS																	GPIO	USTX	UI1TX	UI1RX	UORT	UOCT		
J		EMDQ	EMD	EMD	EMD		VNF	VDDA	VDDA	VCCAM	AVDD	VDDA	VFB	VSSC	VSSC	VIO	VSSC	VSSC					GPIO	USCT	USRX	U2RX			
K	EMDQ	EMD	EMD	EMD	EMD		EMVD	VDDA	VDDA	VDDA	VDDA	VDDA	VFB	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC				AVDD	GPIO		U2TX	VIN		
L	EMD	EMDQ			EMVS		EMVD	VDDA	VDDA	VDDA	VDDA	VDDA	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC				AGN	VQP		VQN	VIP		
M		EMDQ		EMD	EMD		EMVD	VDDC	VDDC	VDDA	VDDA	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VDDC	VDDC				AVSS	VQN	VIP	VQP			
N	EMCS		EMD	EMD			EMVD	VDDC	VDDC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VDDC	VDDC	VDDC				AVDD	NC		VIN	AFCO	LDO	
P	EMCS	EMA	EMA	EMA	EMVR		EMVD	VDDC	VDDC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VDDC	VDDC	VDDC					NC			APCO	APCO	
R		EMA			CLKD		EMVD	VDDC	VDDC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VDDC	VDDC	VDDC							NC	VQP		
T	EMA	EMA		EMA	CLKD		EMVD	VDDC	VDDC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VDDC	VDDC	VDDC							NC	VQN	VIN	
U	EMVS	EMCK			EMOD		EMVD	VDDC	VDDC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VSSC	VDDC	VDDC	VDDC					CPO	CPO	RFSE	RFSD	VIP	
V		EMZQ	EMA	EMA	EMA		EMVD	VDDC	VDDC	VDDC	VDDC	VDDC	VDDC	VSSC	VSSC	VSSC	VSSC	VSSC	VDDC				VIO	CPO			RFSC		
W		EMDQ	EMD		EMVS		VLCD	VDDC	VFB	VFB	VDDC	VDDC	VDDC	VSSC	VSSC	VSSC	VSSC	VSSC	VDDC				VIO	CPO		CPO	CPO		
Y	EMD	EMD	EMD	EMD	EMVS																				CPO	XTL	CPO	CPO	CPO
AA	EMDQ	EMDQ		EMD																				VIO	CPO	CPO	CPO		
AB			EMD	EMD			AVDD					AVSS					DM	VSSC						CPO			CPO	CPO	
AC	EMDQ	EMVS	EMD	EMD			AVSS			ANA	CHIP		AUD	CLK2	CLK2		DP	VIO	SD0	VSD1	SIMD	SIMC	SDA1	EXTI		SPI0	SPI0		
AD	EMD	EMD		EMD			MDSI	LCD		XTL	XTL	AUD				MEMS	MEMS			SD0	SD1	SIMC		SIMC	SCL1	EXTI	SPI0		
AE		EMDQ	EMD	EMD			MDSI	LCD				CLK	ADI			MEMS	MEMS			SD1	SD1			SIMR	SIMD	SDA3	SPI0		
AF	NC		EMD	MDSI	MDSI	MDSI	MDSI	MDSI	MDSI	EXT	AUD	AUD	ADI	ADI	CLK2	VRES	SD0	SD0	SD0	SD1	SD1	SIMR	VSIM	SIMD	VSIM	SCL3	NC		
AG	EMVS	NC		MDSI	MDSI	MDSI		LCD	LCD		AUD	AUD			PTES	VDDU			SD0	SD0		VSD	SD1		SIMR	VSIM	NC	VSSC	