

## 2. Specification

### 2-1. GSM/WCDMA General Specification

	GSM850	EGSM 900	DCS1800	PCS1900	WCDMA 2100	WCDMA 1900	WCDMA 900	WCDMA 850	WCDMA 1700
Freq. Band[MHz] Uplink/ Downlink	824~849 869~894	880~915 925~960	1710~1785 1805~1880	1850~1910 1930~1990	1922~1977 2112~2167	1852~1907 1932~1987	880~915 925~960	824~849 869~894	1710~1755 2110~2155
ARFCN range	128~251	0~124 & 975~1023	512~885	512~810	UL: 9612~9888 DL: 10562~10838	UL: 9262~9538 DL: 9662~9938	UL: 2712~2863 DL: 2937~3088	UL: 4132~4233 DL: 4357~4458	UL: 1312~1513 DL: 1537~1738
Tx/Rx spacing	45MHz	45MHz	95MHz	80MHz	190MHz	80MHz	45MHz	45MHz	400MHz
Mod. Bit rate/ Bit Period	270.833kbps 3.692us	270.833kbps 3.692us	270.833kbps 3.692us	270.833kbps 3.692us	3.84Mcps	3.84Mcps	3.84Mcps	3.84Mcps	3.84Mcps
Time Slot Period/ Frame Period	576.9us 4.615ms	576.9us 4.615ms	576.9us 4.615ms	576.9us 4.615ms	FrameLength: 10ms Slotlength: 0.667ms	FrameLength: 10ms Slotlength: 0.667ms	FrameLength: 10ms Slotlength: 0.667ms	FrameLength: 10ms Slotlength: 0.667ms	FrameLength: 10ms Slotlength: 0.667ms
Modulation	0.3GMSK	0.3GMSK	0.3GMSK	0.3GMSK	QPSKHQPSK	QPSKHQPSK	QPSKHQPSK	QPSKHQPSK	QPSKHQPSK
MS Power	33dBm~5dBm	33dBm~5dBm	30dBm~0dBm	30dBm~0dBm	24dBm~ -50dBm	24dBm~ -50dBm	24dBm~ -50dBm	24dBm~ -50dBm	24dBm~ -50dBm
Power Class	5pcl ~ 19pcl	5pcl ~ 19pcl	0pcl ~ 15pcl	0pcl ~ 15pcl	3(max+24dBm)	3(max+24dBm)	3(max+24dBm)	3(max+24dBm)	3(max+24dBm)
Sensitivity	-102dBm	-102dBm	-100dBm	-100dBm	-106.7dBm	-106.7dBm	-106.7dBm	-106.7dBm	-106.7dBm
TDMA Mux	8	8	8	8	8	8	8	8	8
Cell Radius	35Km	35Km	2Km	2Km	2Km	2Km	2Km	2Km	2Km

## 2. Specification

### 2-2. GSM Tx Power Class

TX Power control level	GSM850	TX Power control level	EGSM900	TX Power control level	DCS1800	TX Power control level	PCS1900
5	33±2 dBm	5	33±2 dBm	0	30±3 dBm	0	30±3 dBm
6	31±2 dBm	6	31±2 dBm	1	28±3 dBm	1	28±3 dBm
7	29±2 dBm	7	29±2 dBm	2	26±3 dBm	2	26±3 dBm
8	27±2 dBm	8	27±2 dBm	3	24±3 dBm	3	24±3 dBm
9	25±2 dBm	9	25±2 dBm	4	22±3 dBm	4	22±3 dBm
10	23±2 dBm	10	23±2 dBm	5	20±3 dBm	5	20±3 dBm
11	21±2 dBm	11	21±2 dBm	6	18±3 dBm	6	18±3 dBm
12	19±2 dBm	12	19±2 dBm	7	16±3 dBm	7	16±3 dBm
13	17±2 dBm	13	17±2 dBm	8	14±3 dBm	8	14±3 dBm
14	15±2 dBm	14	15±2 dBm	9	12±4 dBm	9	12±4 dBm
15	13±2 dBm	15	13±2 dBm	10	10±4 dBm	10	10±4 dBm
16	11±3 dBm	16	11±3 dBm	11	8±4 dBm	11	8±4 dBm
17	9±3dBm	17	9±3dBm	12	6±4 dBm	12	6±4 dBm
18	7±3 dBm	18	7±3 dBm	13	4±4 dBm	13	4±4 dBm
19	5±3 dBm	19	5±3 dBm	14	2±5 dBm	14	2±5 dBm
				15	0±5 dBm	15	0±5 dBm

## 2. Specification

### 2-3. LTE General Specification

	LTE Band1	LTE Band2	LTE Band3	LTE Band4	LTE Band5	LTE Band7	LTE Band17	LTE Band 28
Freq. Band[MHz] Uplink/ Downlink	1920~1980 2110~2170	1850~1910 1930~1990	1710~1785 1805~1880	1710~1755 2110~2155	824~849 869~894	2500~2570 1805~1880	704~716 734~746	703~748 758~803
ARFCN range	UL: 18000~18599 DL: 0~599	UL: 18600~19199 DL: 600~1199	UL: 19200~19950 DL: 1805~1880	UL: 19950~20399 DL: 1950~2399	UL: 20400~20649 DL: 2400~2649	UL: 20750~21449 DL: 2750~3449	UL: 23730~23849 DL: 5730~5849	UL: 27210~27659 DL: 9210~9659
Tx/Rx spacing	190MHz	80MHz	95MHz	400MHz	45MHz	120MHz	30MHz	30MHz
Channel Bandwidth	5/10/15/20MHz	1.4/3/5/10/15/20MHz	1.4/3/5/10/15/20MHz	1.4/3/5/10/15/20MHz	1.4/3/5/10MHz	5/10/15/20MHz	5/10/15/20MHz	3/5/10/15/20MHz
Modulation	QPSK,16/64QAM	QPSK,16/64QAM	QPSK,16/64QAM	QPSK,16/64QAM	QPSK,16/64QAM	QPSK,16/64QAM	QPSK,16/64QAM	QPSK,16/64QAM
MS Power (MPR)	-35~25.7 dBm	-35~25.7 dBm	-35~25.7 dBm	-35~25.7 dBm	-35~25.7 dBm	-35~25.7 dBm	-35~25.7 dBm	-35~25.7 dBm
Sensitivity (QPSK) (BW 10MHz)	-94 dBm	-94 dBm	-92 dBm	-94 dBm	-92 dBm	-95dBm	-95dBm	-95dBm
Cell Radius	>5Km	>5Km	>5Km	>5Km	>5Km	>5Km	>5Km	>5Km

### 3. Operation Instruction and Installation

#### Main Function

Item	Description
OS	Android V5.1 (Lollipop)
RF	Release9, CAT4 (150/50Mbps) Non CA
Battery	4000mAh
Base Band	1.5GHz Quad
Other RF	GPS, Glonass BT4.1, USB 2.0, WIFI 802.11 b/g/n SISO
Camera	5MP AF (Main). 2M FF(Front)
LCD	7.0" WXGA LCD, 1280X800
RAM	1.5GB LPDDR3 RAM + 8GB eMMC
Sensor	Accelerometer , Grip
Accessory	Charger: 5V, 1A Headset (Option)

## 9. Reference Abbreviate

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### Reference Abbreviate

- **AAC**: Advanced Audio Coding.
- **AVC** : Advanced Video Coding.
- **BER** : Bit Error Rate
- **BPSK**: Binary Phase Shift Keying
- **CA** : Conditional Access
- **CDM** : Code Division Multiplexing
- **C/I** : Carrier to Interference
- **DMB** : Digital Multimedia Broadcasting
- **EN** : European Standard
- **ES** : Elementary Stream
- **ETSI**: European Telecommunications Standards Institute
- **MPEG**: Moving Picture Experts Group
- **PN** : Pseudo-random Noise
- **PS** : Pilot Symbol
- **QPSK**: Quadrature Phase Shift Keying
- **RS** : Reed-Solomon
- **SI** : Service Information
- **TDM** : Time Division Multiplexing
- **TS** : Transport Stream

# 1. Safety Precautions

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## 1-1. Repair Precaution

Before attempting any repair or detailed tuning, shield the device from RF noise or static electricity discharges.

Use only demagnetized tools that are specifically designed for small electronic repairs, as most electronic parts are sensitive to electromagnetic forces.

Use only high quality screwdrivers when servicing products. Low quality screwdrivers can easily damage the heads of screws.

Use only conductor wire of the properly gauge and insulation for low resistance, because of the low margin of error of most testing equipment.

We recommend 22-gauge twisted copper wire.

Hand-soldering is not recommended, because printed circuit boards (PCBs) can be easily damaged, even with relatively low heat. Never use a soldering iron with a power rating of more than 100 watts and use only lead-free solder with a melting point below 250°C (482°F).

Prior to disassembling the battery charger for repair, ensure that the AC power is disconnected.

Always use the replacement parts that are registered in the SEC system. Third-party replacement parts may not function properly.

# 1.Safety Precautions

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## 1-2. ESD(Electrostatically Sensitive Devices) Precaution

Many semiconductors and ESDs in electronic devices are particularly sensitive to static discharge and can be easily damaged by it. We recommend protecting these components with conductive anti-static bags when you store or transport them.

Always use an anti-static strap or wristband and remove electrostatic buildup or dissipate static electricity from your body before repairing ESDs.

Ensure that soldering irons have AC adapter with ground wires and that the ground wires are properly connected.

Use only desoldering tools with plastic tips to prevent static discharge.

Properly shield the work environment from accidental electrostatic discharge before opening packages containing ESDs.

The potential for static electricity discharge may be increased in low humidity environments, such as air-conditioned rooms. Increase the airflow to the working area to decrease the chance of accidental static electricity discharges.

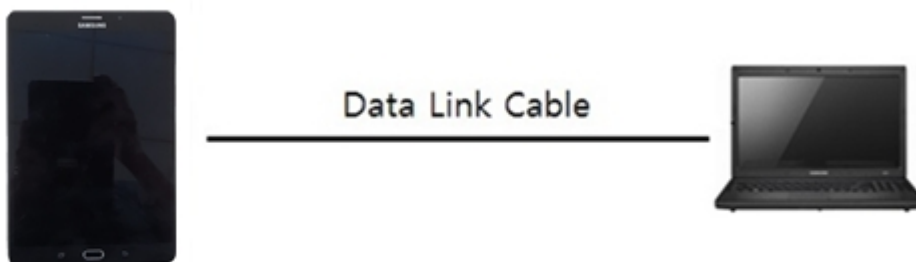
## 6. Level 1 Repair

### 6-1. S/W installation

#### 6-1-1. Required items in order to install S/W

- Installation program: Downloader Program ([Odin3 v3.10.7.exe](#))
- Tablet
- Data Cable
- Mobile device specific S/W: Binary files

#### ✳ Settings



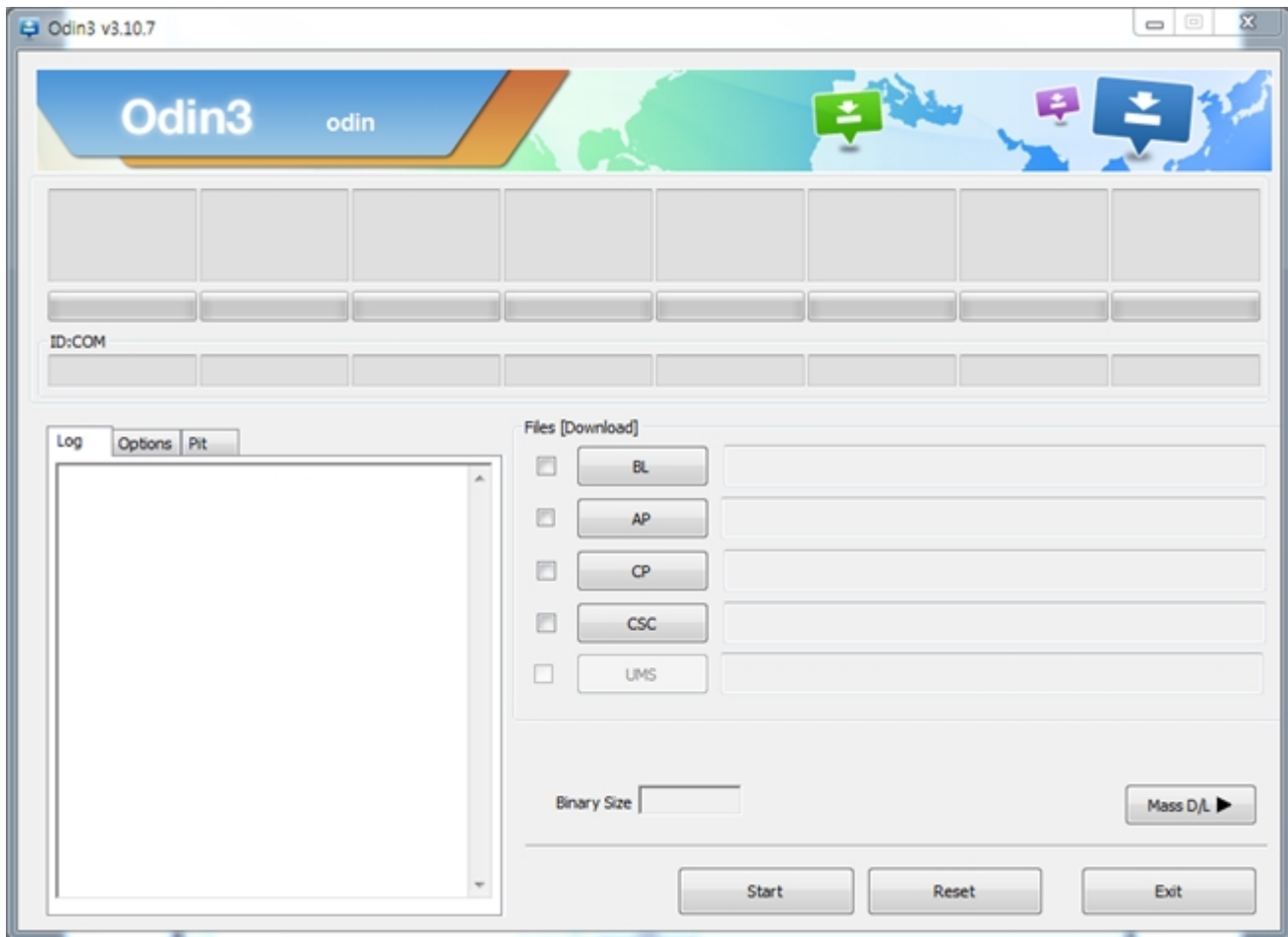
Data Cable : GH39-01710D



## 6. Level 1 Repair

### 6-1-2. S/W Installation Program (Downloader program)

- Open up the S/W Installation Program by executing the "**Odin3 v3.10.7.exe**"

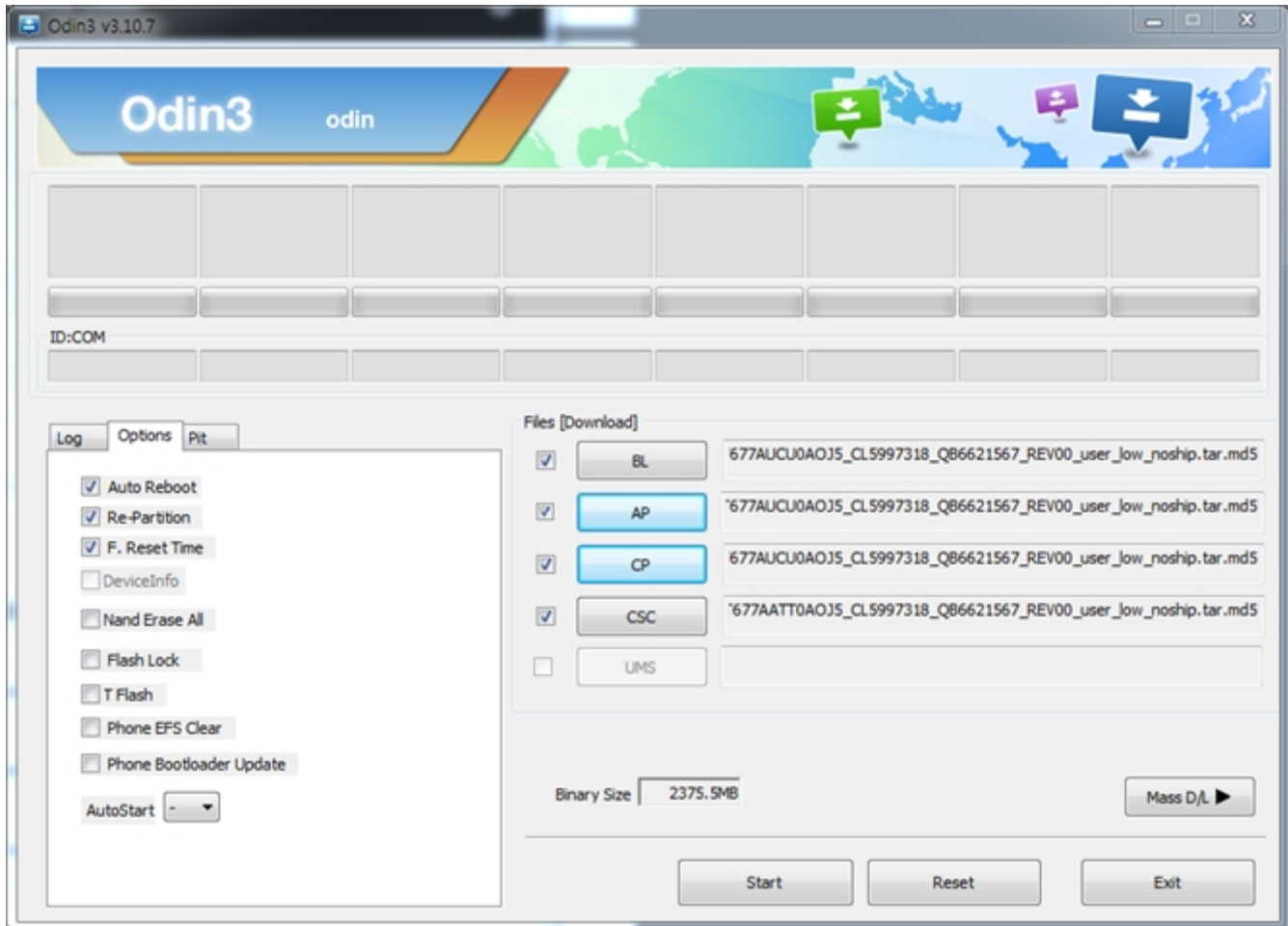


## 6. Level 1 Repair

1. Enable the check mark by click on the following options,

- Check Auto Reboot, Re-Partition, and F. Reset Time
- Check PIT
- Check BL, AP, CP, and CSC Files

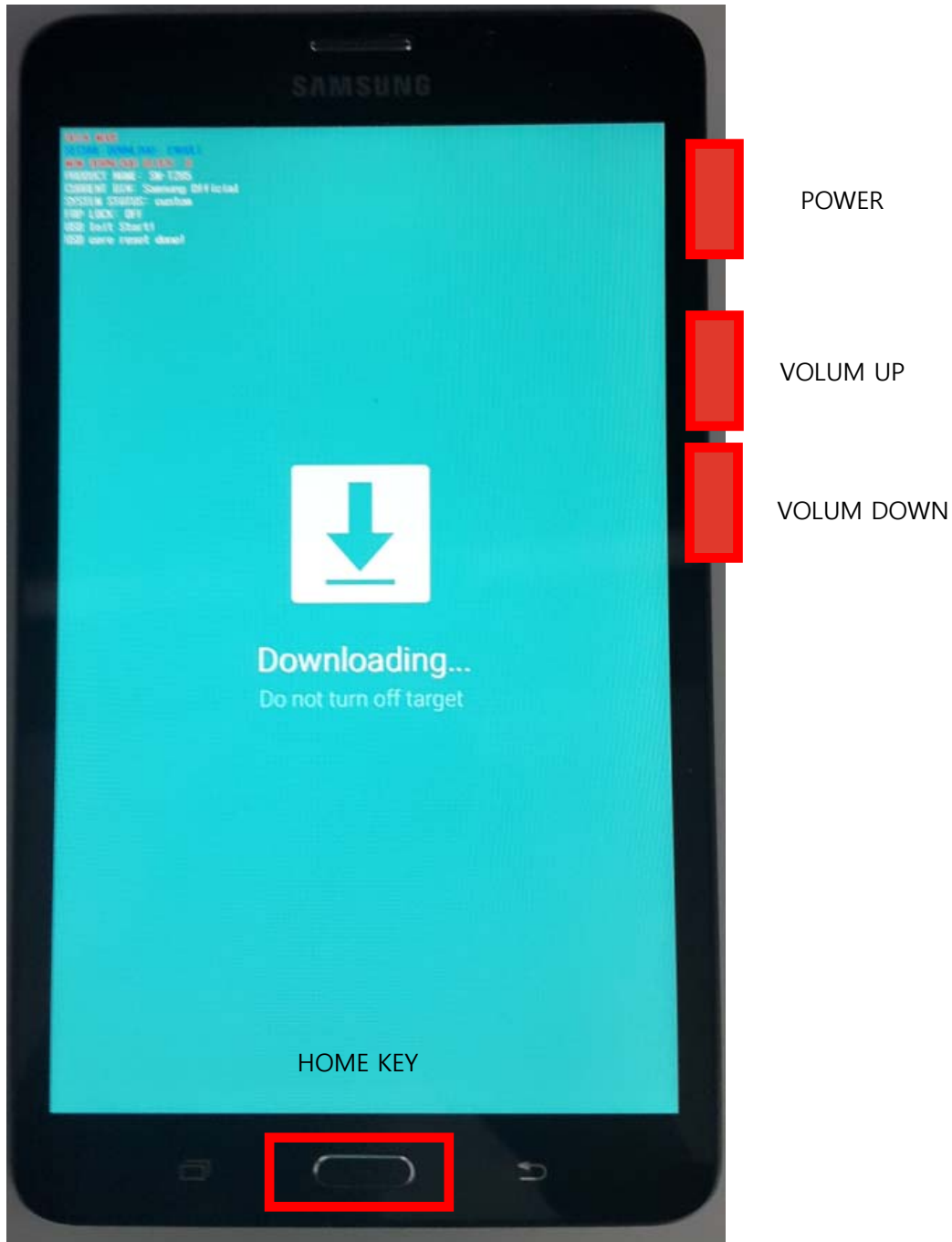
\* Note : "Odin v3.10 or above" checks MD5 checksum just after file selection.



## 6. Level 1 Repair

### 2. Enter into Download Mode

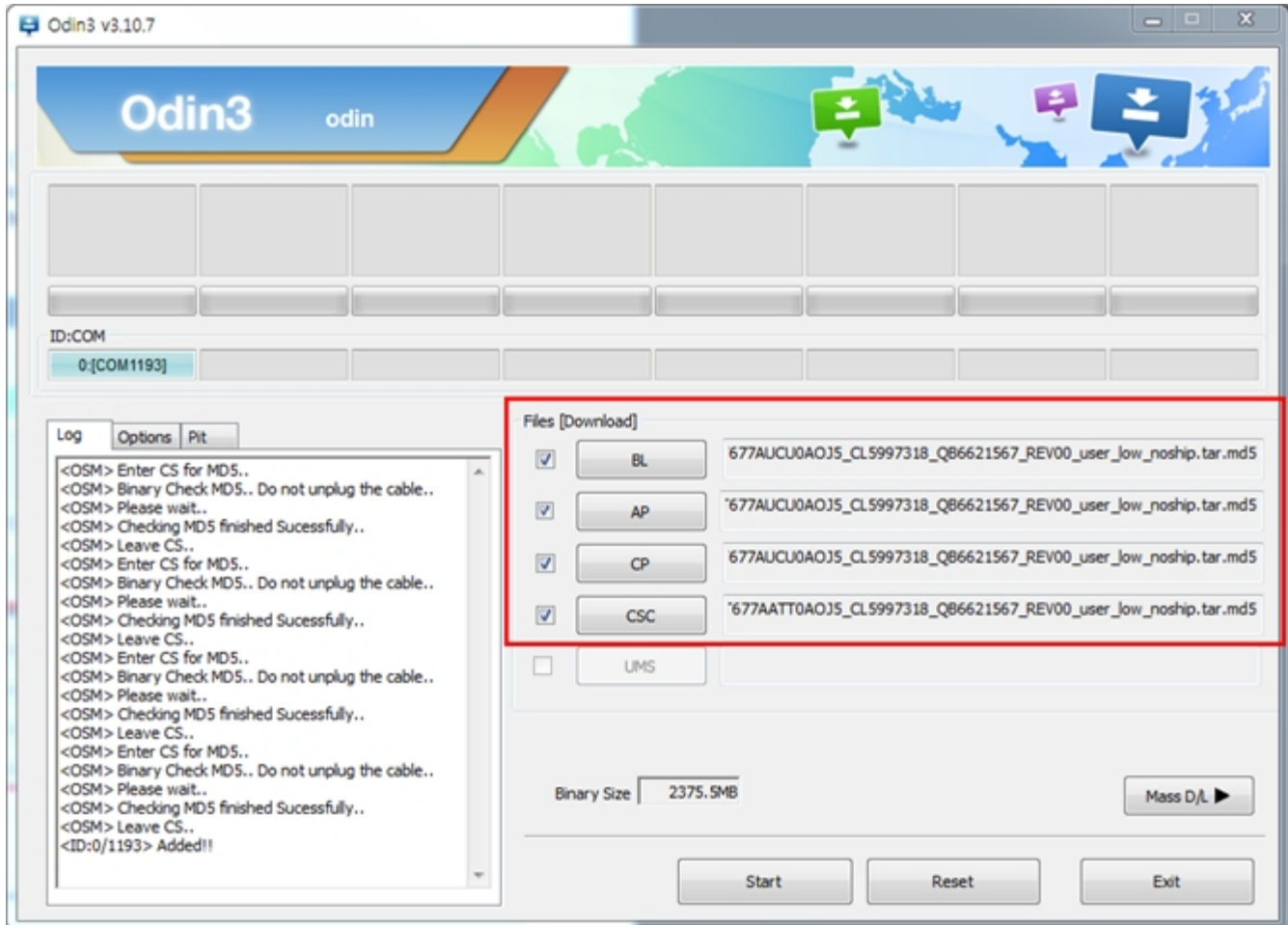
- Enter into Download Mode by pressing Home button, Volume Down button and Power On/Off Button simultaneously followed by pressing Volume up button as a direction of the phone.



## 6. Level 1 Repair

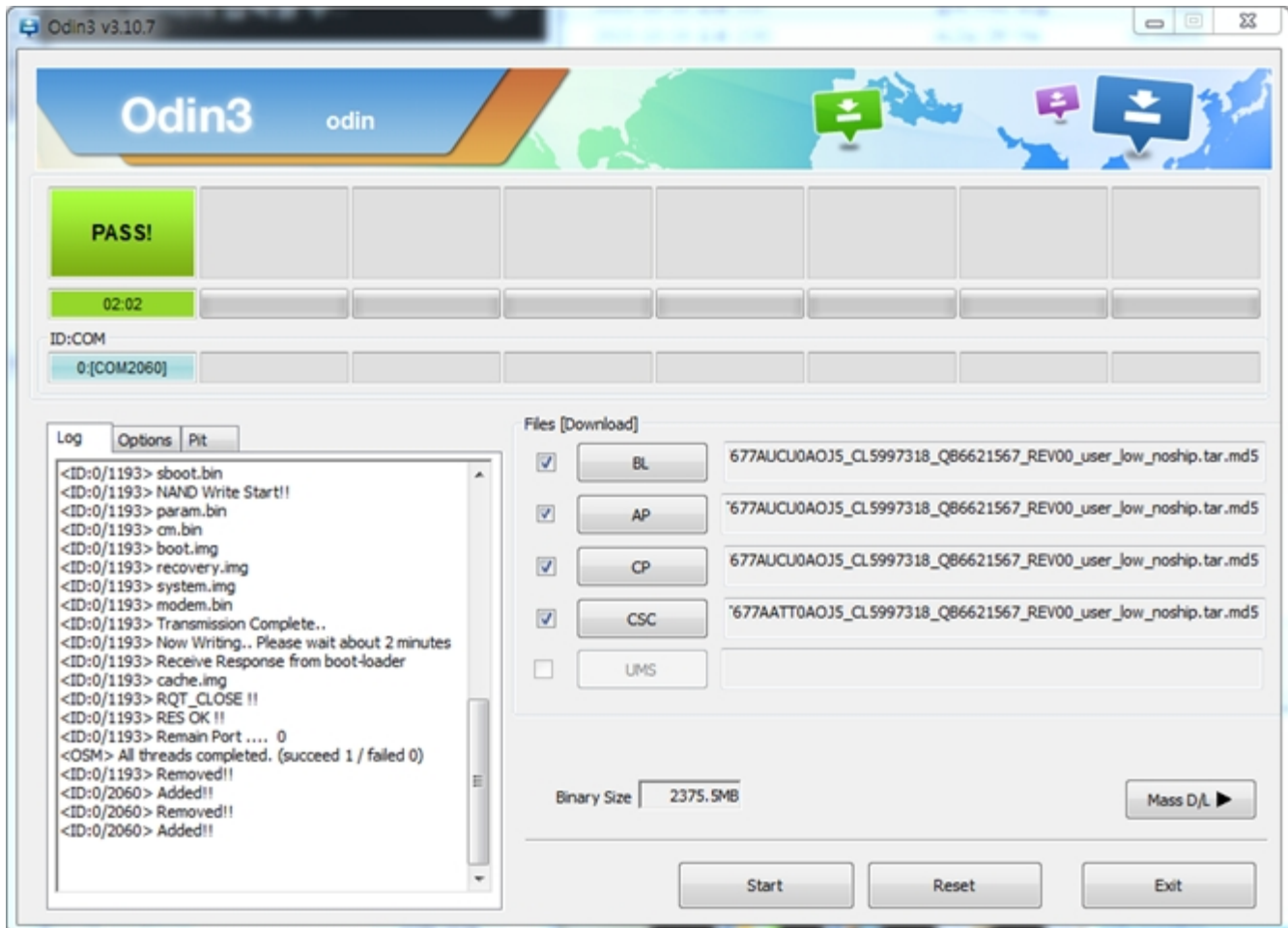
### 3. Connect the device to PC via Data Cable.

Make sure that the one of communication ports [ID:COM] box is highlighted in sky blue. The device is now connected with the PC and ready to download the binary files in it.



## 6. Level 1 Repair

4. Start downloading the binary files into the device by clicking Start button on the screen. The green colored "PASS!" sign will appear on the upper-left box if the binary files have been successfully downloaded into the device.



5. Disconnect the device from the Data cable.
6. Once the device boots up, you can check the version of the binary file or name by pressing the following code in sequence;

**\*#1234#**

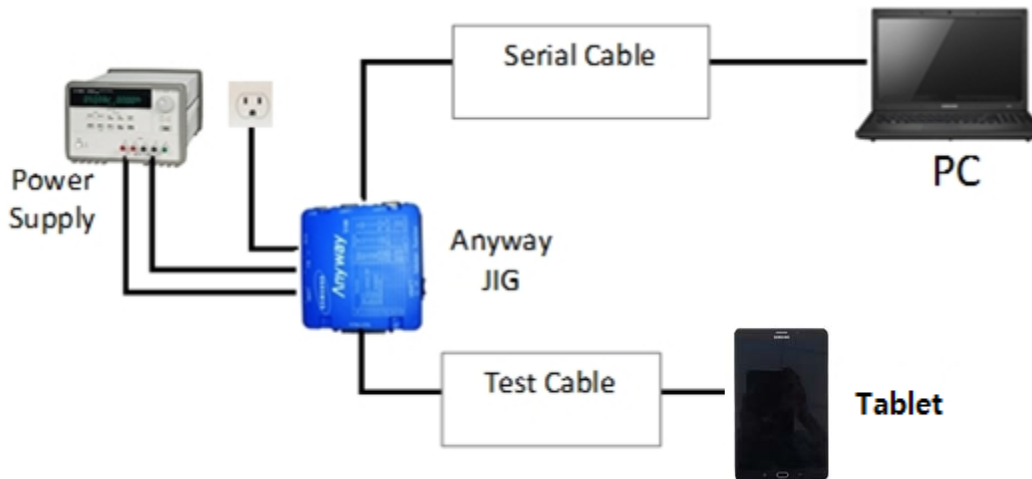
You can perform Factory Reset by Settings → Accounts → Backup and reset

## 6. Level 1 Repair

### 6-2 IMEI writing

#### 6-2-1 Preparation

- New IMEI writing Program has been released.
- Supported Model : Models which CAB files are uploaded on HHPsvc INI File category, instead of ini file.
- Refer to below IMEI writing procedure.
- **H/W**



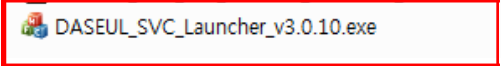
#### - S/W

① Library Install	To use Daseul, library files should be installed. Refer to SVC Bulletin “(11-82) Daseul (New IMEI writing Program) Library Install guide_rev1.0”
② Launcher	DASEUL_SVC_Launcher_v3_0_25 or higher -Uploaded on HHPsvc Notice
③ Runtime File	1. DASEUL_Runtime_Ver_3.1.139.0.CAB or higher -Uploaded on HHPsvc Notice 2. Make ‘ModelName’ folder at the same position with launcher & Runtime file.
④ Model File	Copy Model File under the ‘Model Name’ folder

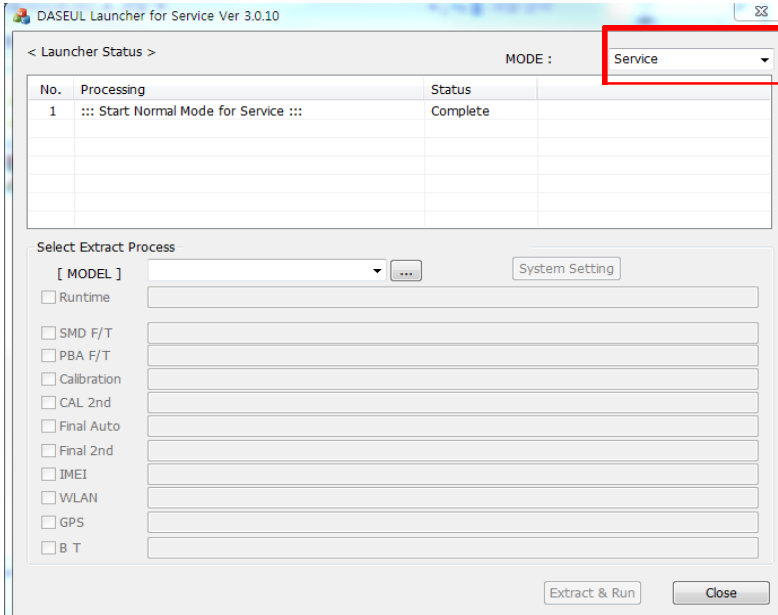
## 6. Level 1 Repair

### 6-2-2 IMEI writing Process

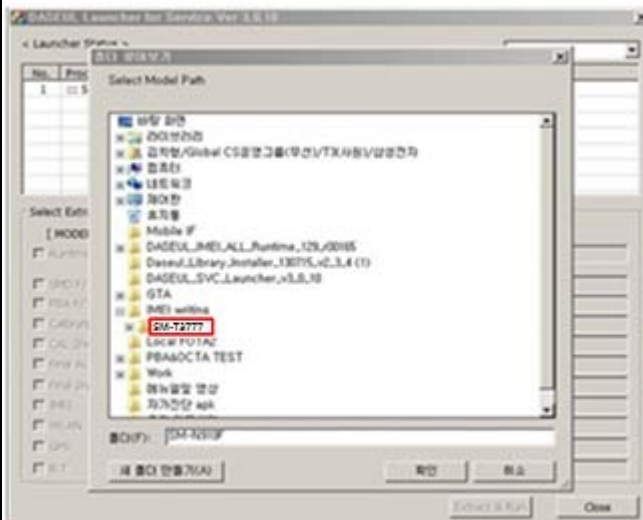
#### 1. Run DASEUL\_SVC\_Launcher\_v3.0.10.exe



#### 2. Select Service Mode

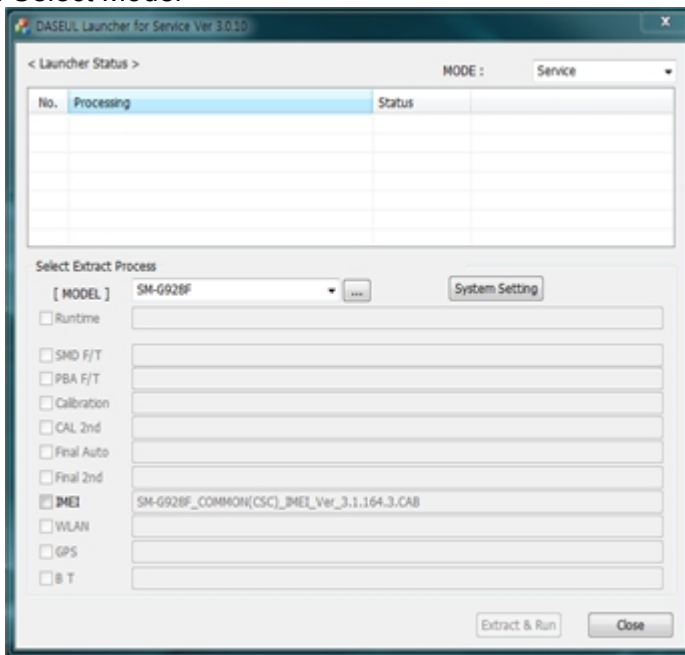


#### 3. Click and Select folder where the Launcher exists



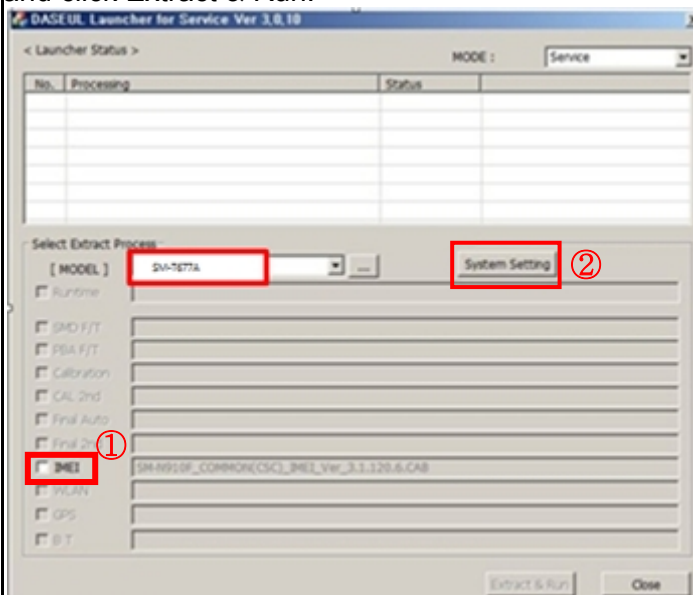
## 6. Level 1 Repair

### 4. Select Model



### 5. Check IMEI and click System Setting

✘Once you setup the setting, you don't have to do it again, unless there is change. From second run of the IMEI program, check IMEI and click Extract & Run.





## 6. Level 1 Repair

6. Check IMEI Write / IMEI Check and click IMEI SVC & Repair Option.

7. Check SVC , User Ticket No and click OK

## 6. Level 1 Repair

### 8. Click Hardware Config

**Set System Configuration**  
Set System Configuration Dialog...

**Test Process**

[Process]	[Master]	[Slave]
SMD F/T	<input type="checkbox"/>	<input type="checkbox"/>
PBA F/T	<input type="checkbox"/>	<input type="checkbox"/>
Calibration	<input type="checkbox"/>	<input type="checkbox"/>
Calibration 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Manual	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Write	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IMEI Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SVC Board	<input type="checkbox"/>	<input type="checkbox"/>
MDL Rework	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Read	<input type="checkbox"/>	<input type="checkbox"/>
STA Write	<input type="checkbox"/>	<input type="checkbox"/>
STA Check	<input type="checkbox"/>	<input type="checkbox"/>
STA Reset	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
GPS	<input type="checkbox"/>	<input type="checkbox"/>
BT	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Power Off-On before WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Bluetooth	<input type="checkbox"/>	<input type="checkbox"/>
LCIA	<input type="checkbox"/>	<input type="checkbox"/>
Merge 2G3G Block Rad.	<input type="checkbox"/>	<input type="checkbox"/>

**Test Condition**

Calibration  
Real CAL Cycle: on every  default: CALs

Calibration Mode :

CAL2nd Mode :

Final  
Supply RF Signal by :

**Reset Loss Correction Count**

Test Mode :

WLAN  
Test Mode :

IMEI  
Use RFSM   
Use Second PC   
Save ODS   
Merge Felica Cal   
OQC Reset   
IBI Reset

**System Config.**

Language :

Line Name :

Line Type :

Smart Cloud Cell

# of Phone :

Start Number of UI :

Start Number of Jig :

IP Address : 10.244.246.165

SKD Mode

MultiSharing(CMWS)

Developer Mode

Advanced Separating(ADS)

**Operation Condition**

**Model Information**

(highlighted with red box)

### 9. Click Port Setting

**Hardware Component Configuration**  
Controller Type, IO Bus Type, Port Setting,....

Phone  
Count :

I/F - 1 Type :

I/F - 2 Type :   (highlighted with red box)

IF Jig Type :

Use ID Check JIG

MSTS  
Count :

I/F Type :

MSTS Sharing Controller  
Count :

Control Type :

I/F Type :

Robot / ShieldBox  
Control Type :

I/F Type :

Power Supply  
I/F Type :

DBMS  
Server :

Type :

Barcode Reader  
Type :

I/F Type :

MES PN Sender  
Type :

PBA F/T  
Function Test Jig

NI-DAQ

Power Detector

HDMI JIG

SMD F/T  
Type :

B'd Address :

## 6. Level 1 Repair

### 10. Select Port Number and SAVE

Set IO BUS Configuration

Phone IO Bus Setting

**Common**

BaudRate: 115200  
 Data Bit: 8  
 Parity: No  
 Stop Bit: 1

No.	Port #1
1	1

SAVE  
 Cancel

### 11. Click OK to proceed

Set System Configuration

Set System Configuration Dialog...

Test Process

[Process]	[Master]	[Slave]
SMD F/T	<input type="checkbox"/>	<input type="checkbox"/>
PBA F/T	<input type="checkbox"/>	<input type="checkbox"/>
Calibration	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto	<input type="checkbox"/>	<input type="checkbox"/>
Final Manual	<input type="checkbox"/>	<input type="checkbox"/>

IMEI Process

IMEI Write	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IMEI Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MDL +2nd Check	<input type="checkbox"/>	<input type="checkbox"/>
MDL Rework	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Read	<input type="checkbox"/>	<input type="checkbox"/>

WLAN   
 Power Off-On before WLAN   
 Bluetooth

Test Condition

Calibration  
 Real CAL Cycle: on every 20 default CALs  
 Calibration Mode: Dynamic

Final  
 Supply RF Signal by: Conduction

Test Signal Mode: Signaling  
 Developer Mode

IMEI  
 Use RFSM   
 Use Second PC   
 Save ODS

IMEI SVC&Repair Option

System Config.

Language: English  
 Line Name: LINE(temp)  
 Line Type: Block Cell  
 # of Phone: 1  
 Start Number of Jig: 1  
 IP Address: 10.244.114.62

Operation Condition

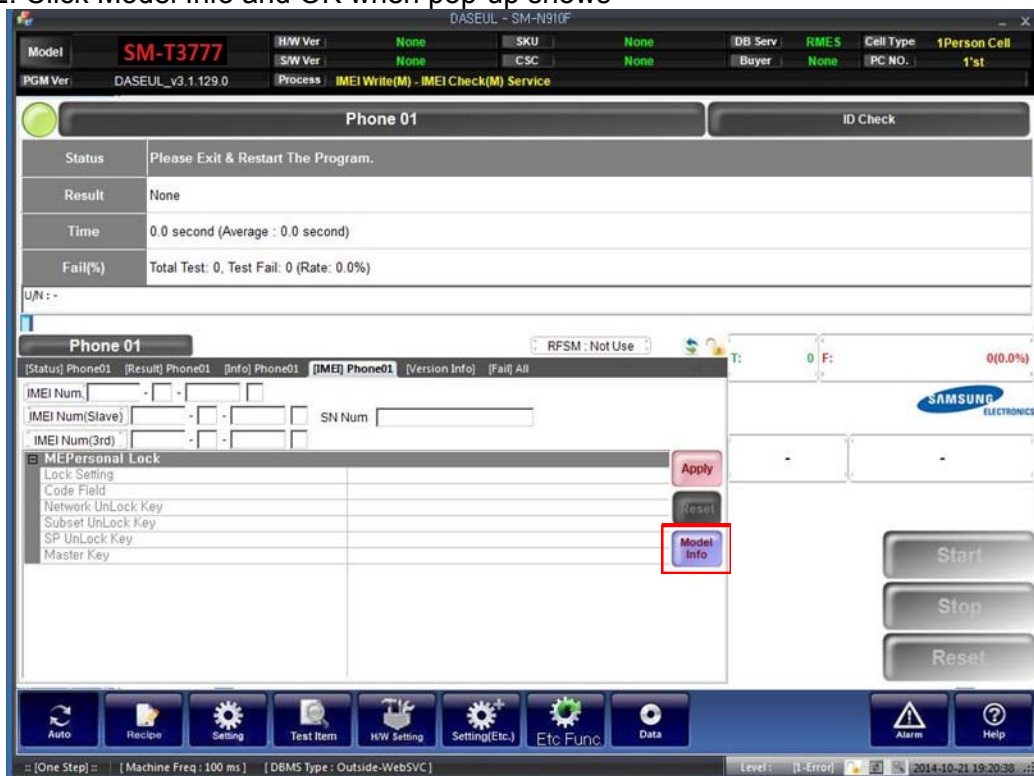
Operation Condition

Model Information  
 Hardware Config  
 Signal Coes Config  
 Channel Config  
 Start Calibration  
 Setting Test Band

OK

## 6. Level 1 Repair

### 12. Click Model Info and OK when pop-up shows



### 13. Click OK



## 6. Level 1 Repair

14. Input SKU\_CODE and BUYER, then click Save button.

✧ Refer to HHPsvc→IMEI Review to check SKU Code and buyer

CSC	N0980CM1ANB5
PDA	N0980MU1ANB5
Software2	1
LPD	
Contents	
DMB	
SKU_CODE	SM-T3777ZWABRI
BUYER	
Material_Code	
Boot	
Factory Software	N0980MI116NR1

2nd Func. Test (AT&T)      STA Option  
 FactoryReset+Check      Don't DB Upload      Tizen Download  
 Pre Product      Packing Rework      Android Download  
 Main Repair

15. Input IMEI Number and click Apply

Model: **SM-T3777**    HW Ver: None    SKU: None    DB Serv: RME5    Cell Type: 1Person Cell  
 PGM Ver: DASEUL\_v3.1.129.0    Process: IMEI Write(M) - IMEI Check(M) Service

Status: Please Exit & Restart The Program.  
 Result: None  
 Time: 0.0 second (Average : 0.0 second)  
 Fail(%): Total Test: 0, Test Fail: 0 (Rate: 0.0%)

IMEI Num: 111111 - 111111    SN Num:

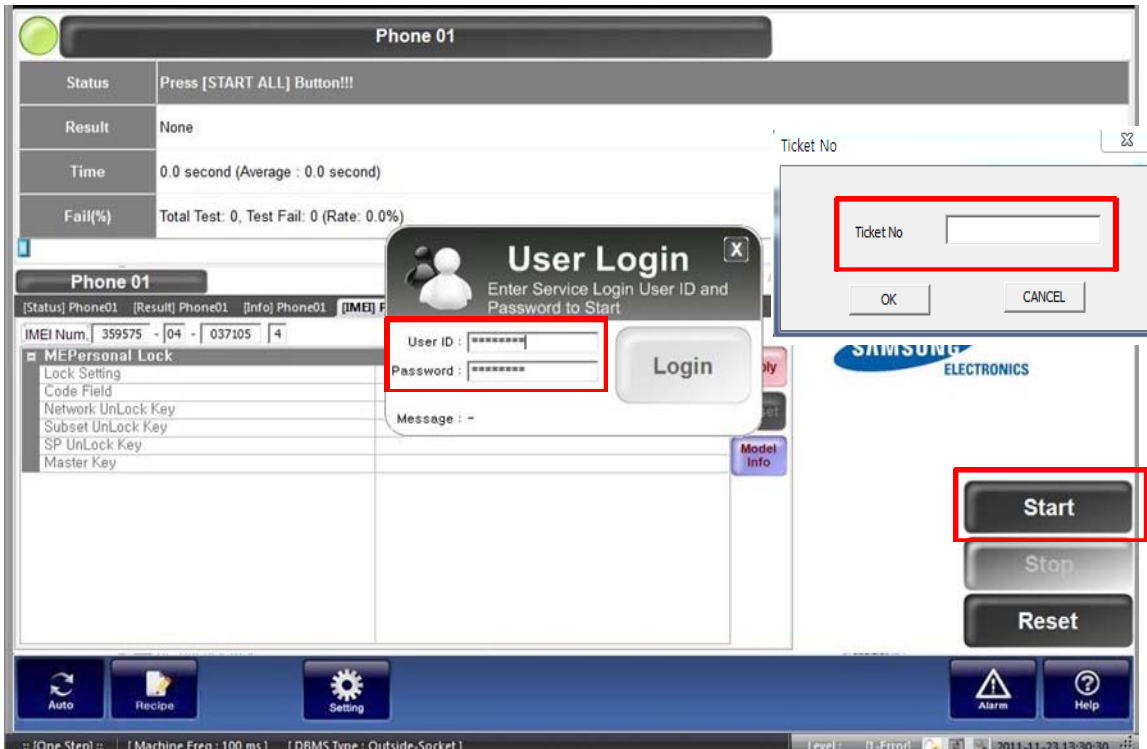
      

[ One Step ]    [ Machine Freq : 100 ms ]    [ DBMS Type : Outside-WebSVC ]    Level: [ Error ]    2014-10-21 19:21:38



## 6. Level 1 Repair

16. ① Click Start, and input IMEI writing ID and Password → ② input Ticket No

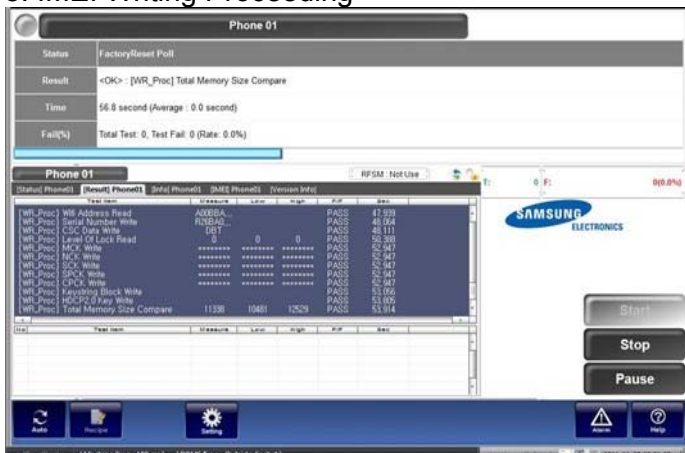


17. Connect the phone to Anyway JIG

※ When you connect the phone, the phone should be turned off.

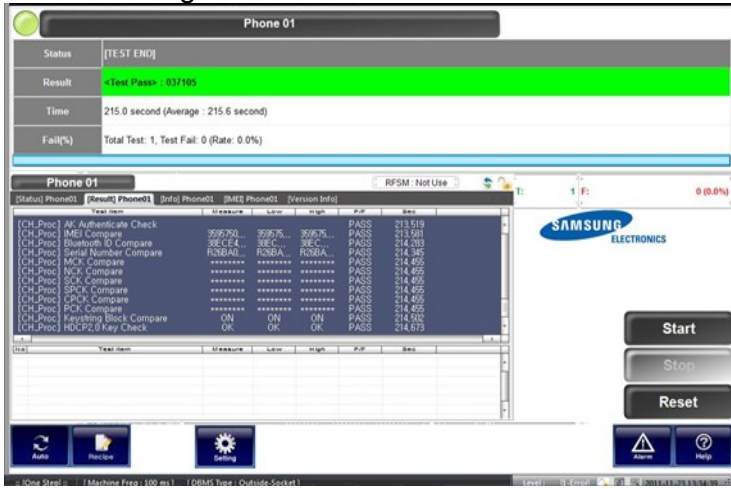
After connecting the phone, the phone will be booted automatically.

18. IMEI Writing Proceeding



## 6. Level 1 Repair

### 19. IMEI Writing Success



**Phone 01**  
 Status: [TEST END]  
 Result: <Test Pass - 037105  
 Time: 215.0 second (Average : 215.6 second)  
 Fail(%): Total Test: 1, Test Fail: 0 (Rate: 0.0%)

Test Item	Measure	Unit	High	Low	Pass
[CH_Proc] AK Authenticate Check					PASS 213.519
[CH_Proc] IMEI Compare	999750...	99975...	99975...		PASS 213.581
[CH_Proc] Bluetooth ID Compare	3EEFE4...	3EEC...	3EEC...		PASS 214.203
[CH_Proc] Serial Number Compare	R0N8AD...	R0N8A...	R0N8A...		PASS 214.365
[CH_Proc] MCK Compare	*****	*****	*****		PASS 214.455
[CH_Proc] NCK Compare	*****	*****	*****		PASS 214.455
[CH_Proc] SCK Compare	*****	*****	*****		PASS 214.455
[CH_Proc] SPCK Compare	*****	*****	*****		PASS 214.455
[CH_Proc] SPCL Compare	*****	*****	*****		PASS 214.455
[CH_Proc] PCL Compare	*****	*****	*****		PASS 214.455
[CH_Proc] Keystroke Block Compare	ON	ON	ON		PASS 214.502
[CH_Proc] HDD/SSD Key Check	OK	OK	OK		PASS 214.673

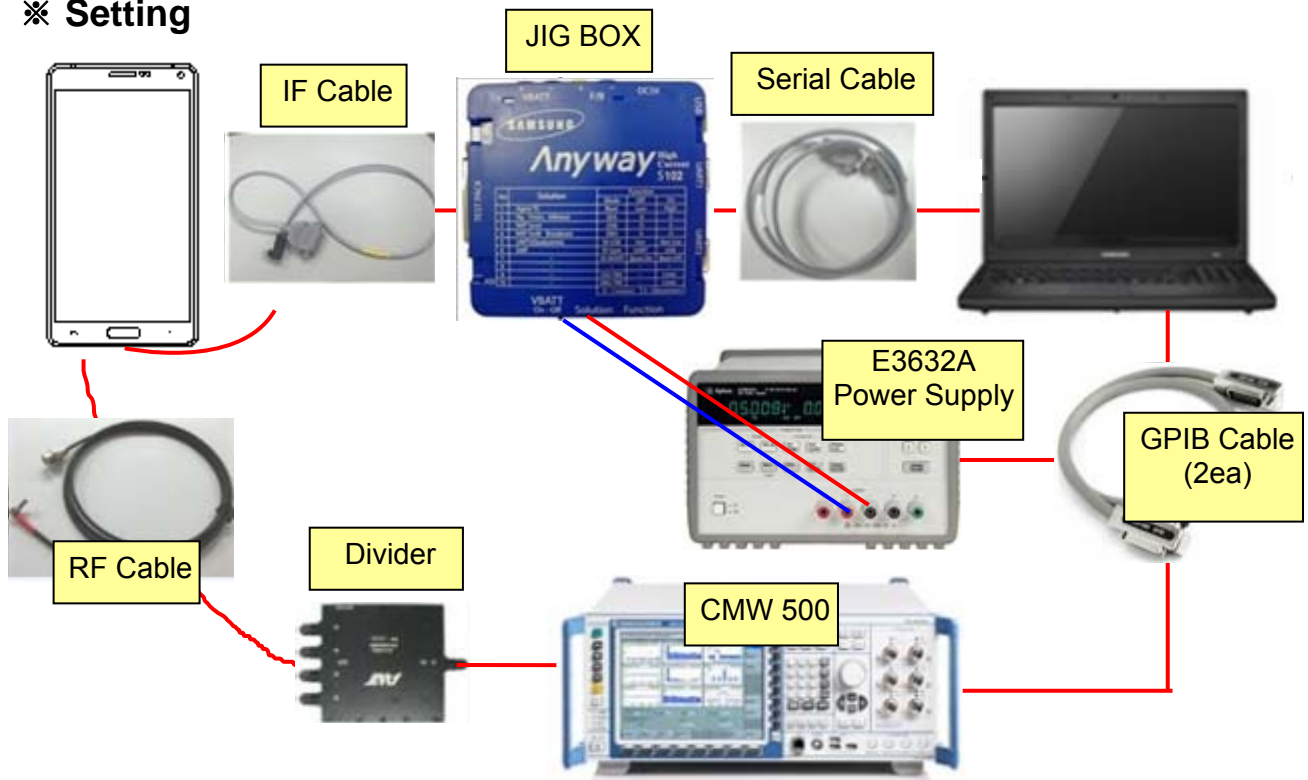
[Start] [Stop] [Reset]  
 [Auto] [Refresh] [Setting] [Warning] [Help]





## 6. Level 1 Repair


### ※ Setting





## 6. Level 1 Repair

### 6-1-2. RF Calibration Program

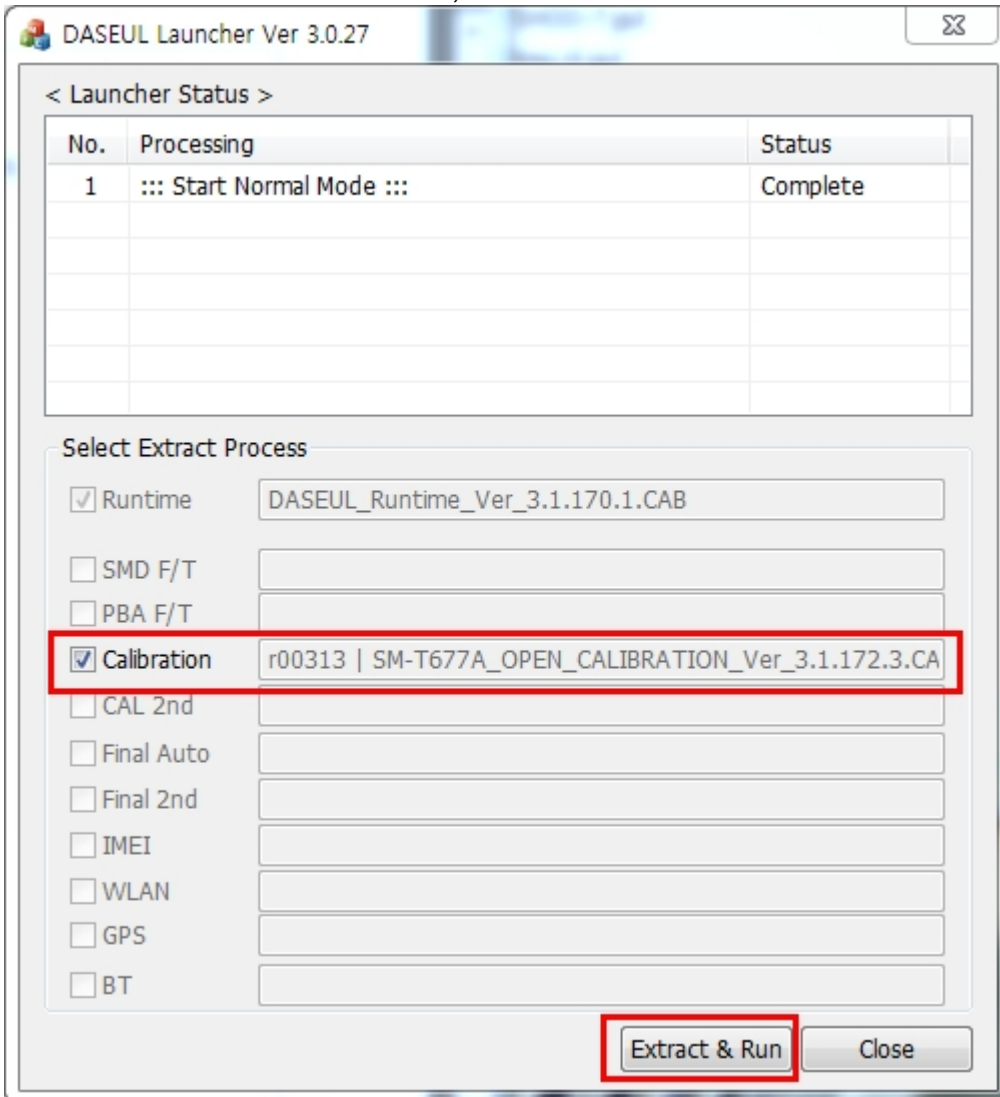
1. Run the RF Calibration Program Launcher, 'DASEUL\_Launcher\_vx.x.xx.exe'.

 SM-T677A\_OPEN\_CALIBRATION\_Ver\_3.1.172.3.CAB

 DASEUL\_CAL\_ALL\_Runtime\_3.1.170.1\_r00313.CAB


 DASEUL\_Launcher\_v3.0.27.exe

2. Check the 'Calibration' menu, and select 'Extract & Run'.



## 6. Level 1 Repair

3. Check the 'CAL' and open the [model file](#), then select 'Start' button.



### Select Sequence Files & Login

Select sequence files & the resolution. Change the permission, Join, etc

Select The Sequence File

Deploy Path : C:\WDIST\WDASEUL

<input type="checkbox"/> SMD F/T		
<input type="checkbox"/> PBA F/T		
<input checked="" type="checkbox"/> CAL		...
<input type="checkbox"/> CAL2nd		
<input type="checkbox"/> FINAL		
<input type="checkbox"/> FINAL2nd		
<input type="checkbox"/> FINAL MANUAL		
<input type="checkbox"/> IMEI		
<input type="checkbox"/> WLAN		
<input type="checkbox"/> GPS		

열기

찾는 위치(I): SM-T677A\_OPEN\_CALIBRATION\_Ver\_3.1.172

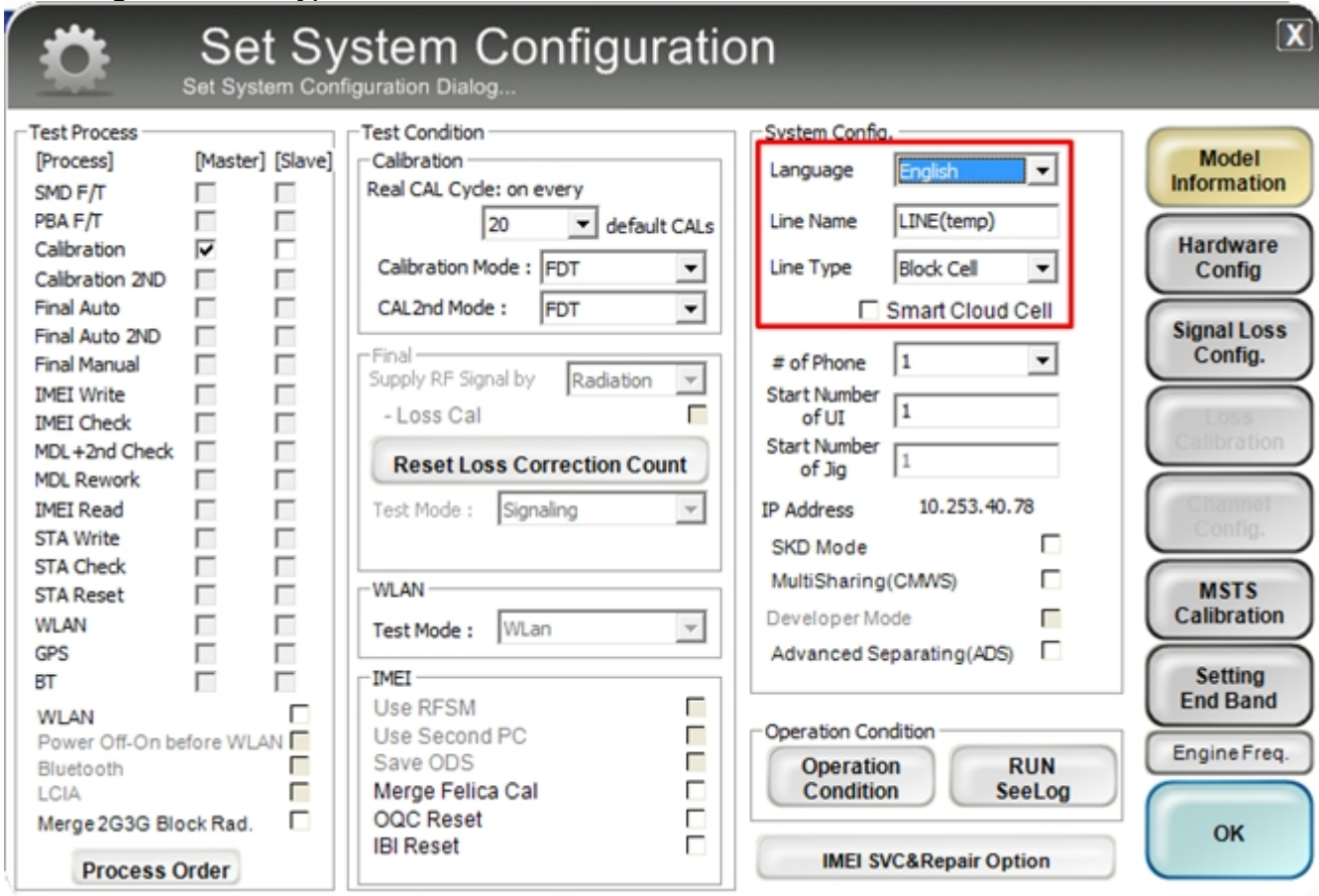
이름	수정한 날짜	유형
SM-T677A_OPEN_CALIBRATION_Ver_3.1.172.3.se...	2015-10-08 오후 1:...	ALZip E...

파일 이름(N):  
파일 형식(T): Sequence Files (\*.seq,enc)

열기(O)    취소

## 6. Level 1 Repair

4. Change the Line Type to 'Block Cell' and disable 'Smart Cloud Cell'.



**Set System Configuration**  
Set System Configuration Dialog...

**Test Process**

[Process]	[Master]	[Slave]
SMD F/T	<input type="checkbox"/>	<input type="checkbox"/>
PBA F/T	<input type="checkbox"/>	<input type="checkbox"/>
Calibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Manual	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Write	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Check	<input type="checkbox"/>	<input type="checkbox"/>
MDL+2nd Check	<input type="checkbox"/>	<input type="checkbox"/>
MDL Rework	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Read	<input type="checkbox"/>	<input type="checkbox"/>
STA Write	<input type="checkbox"/>	<input type="checkbox"/>
STA Check	<input type="checkbox"/>	<input type="checkbox"/>
STA Reset	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
GPS	<input type="checkbox"/>	<input type="checkbox"/>
BT	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Power Off-On before WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Bluetooth	<input type="checkbox"/>	<input type="checkbox"/>
LCIA	<input type="checkbox"/>	<input type="checkbox"/>
Merge 2G3G Block Rad.	<input type="checkbox"/>	<input type="checkbox"/>

**Test Condition**

Calibration  
Real CAL Cycle: on every  default CALs

Calibration Mode :

CAL2nd Mode :

Final  
Supply RF Signal by

- Loss Cal

**Reset Loss Correction Count**

Test Mode :

WLAN  
Test Mode :

IMEI  
Use RFSM   
Use Second PC   
Save ODS   
Merge Felica Cal   
OQC Reset   
IBI Reset

**System Config.**

Language

Line Name

Line Type

Smart Cloud Cell

# of Phone

Start Number of UI

Start Number of Jig

IP Address

SKD Mode

MultiSharing(CMWS)

Developer Mode

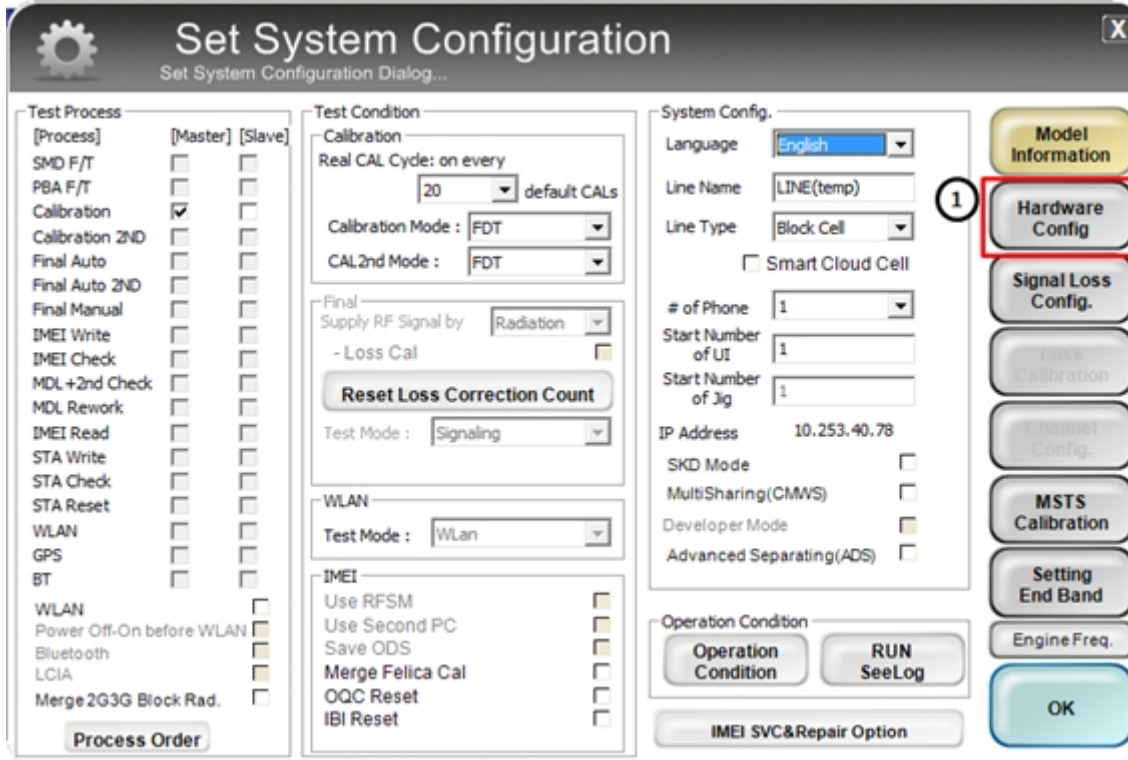
Advanced Separating(ADS)

**Operation Condition**

**Model Information**

## 6. Level 1 Repair

5. Set the GPIB address of MSTS(CMW500) and Power Supply(E3632A) to enter 'Hardware Config' and 'Save'. (Check the GPIB address of equipments in advance)



**Set System Configuration**  
Set System Configuration Dialog...

**Test Process**

[Process]	[Master]	[Slave]
SMD F/T	<input type="checkbox"/>	<input type="checkbox"/>
PBA F/T	<input type="checkbox"/>	<input type="checkbox"/>
Calibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Manual	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Write	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Check	<input type="checkbox"/>	<input type="checkbox"/>
MDL +2nd Check	<input type="checkbox"/>	<input type="checkbox"/>
MDL Rework	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Read	<input type="checkbox"/>	<input type="checkbox"/>
STA Write	<input type="checkbox"/>	<input type="checkbox"/>
STA Check	<input type="checkbox"/>	<input type="checkbox"/>
STA Reset	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
GPS	<input type="checkbox"/>	<input type="checkbox"/>
BT	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Power Off-On before WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Bluetooth	<input type="checkbox"/>	<input type="checkbox"/>
LCIA	<input type="checkbox"/>	<input type="checkbox"/>
Merge 2G3G Block Rad.	<input type="checkbox"/>	<input type="checkbox"/>

**Test Condition**

Calibration  
Real CAL Cycle: on every  default CALs

Calibration Mode :

CAL2nd Mode :

Final  
Supply RF Signal by

- Loss Cal

**Reset Loss Correction Count**

Test Mode :

WLAN  
Test Mode :

IMEI  
Use RFSM   
Use Second PC   
Save ODS   
Merge Felica Cal   
OQC Reset   
IBI Reset

**System Config.**

Language

Line Name  ①

Line Type

Smart Cloud Cell

# of Phone

Start Number of UT

Start Number of Jig

IP Address

SKD Mode

MultiSharing(CMWS)

Developer Mode

Advanced Separating(ADS)

**Operation Condition**

**Model Information**

①

## 6. Level 1 Repair

6. Press 'OK' to start RF Calibration after completing all settings.

