## QRG: mmWave Calibration - No Power Supply

Introduction	This document is intended to guide repair technicians in performing mmWave Calibration without an ODA2CH power supply.
About mmWave Calibration	mmWave Calibration is performed using Daseul, and must be completed when the following kinds of repair are done on 5G mmWave capable devices: IMEI Rewrite (Main PBA Replacement) 5G mmWave Antenna Module Replacement
	Following successful calibration, Galaxy Diagnostics will test the integrity of each mmWave Module; if any instances fail, the module with the failing instance must be replaced, and mmWave Calibration repeated.
	<b>Note:</b> mmWave Calibration is NOT OPTIONAL, and must be completed with these repair types on 5G mmWave capable devices.
Hardware	The following equipment is required to complete mmWave Calibration without an ODA2CH

## Hardware The follo Configuration power su

The following equipment is required to complete mmWave Calibration without an ODA2CH power supply:

Category	Item	SVC Jig Code	QTY
Shield Box	AS 3.1, 5G (mmWave) AUTO CAL Shield Box	GH81-17197A	1
Anyway Jig and Cable	<ul> <li>Anyway Jig</li> <li>Anyway Jig Adaptor</li> <li>25pin Serial Cable</li> <li>USB to Serial Cable</li> </ul>	GH81-12520B GH81-14495A GH81-17200A GH81-13470Z	1 1 1 1
I/F Cable	Туре-С	GH81-17202A	1
Common	<ul> <li>Comm.Radiation JIG_Main Base</li> <li>Comm.Radiation JIG_Mounting(Variable)</li> </ul>	GH81-19033A GH81-19033B	1 3
Jig	<ul> <li>Comm.Radiation JIG_Mounting(Fixed)</li> <li>Comm.Radiation JIG_LM Unit</li> <li>PACK HOLDER)Slim Molding Pack Assy)</li> </ul>	GH81-19033C GH81-19033D GH81-17204A	2 1 1

Follow the instructions in the step table below to complete mmWave Calibration when an ODA2CH power supply is not available:

**Note:** mmWave RF Calibration can be performed without the use of a Power Supply; however, device battery should be charged over 50% before executing the calibration. If the state of charge is less than 50%, the calibration will not start.

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Step	Action
1.	<ul> <li>Connect the serial side of the USB to Serial Cable to the serial UART port on the Anyway Jig</li> <li>Connect the USB side of the USB to Serial Cable to an open USB port on the Service PC</li> </ul>
	Note: Connecting the Anyway Jig to the Service PC will generate a COM Port for the Anyway Jig, which can be found in the Windows Device Manager
2.	<ul> <li>Connect the Anyway Jig to the Shield Box:</li> <li>Connect one end of the 25 pin Serial Cable to the Test Pack port on the Anyway Jig</li> <li>Connect the other end of the 25 pin Serial Cable to the Anyway Jig Adapter</li> <li>Connect the 25 pin Serial Cable with the attached adapter to the port on the Shield Box door</li> </ul>
3.	<ul> <li>Configure the Common Model Jig for the device model being calibrated:</li> <li>Remove the screws from the holder(s) to be moved</li> <li>Move the holder(s) to the coordinates labeled for the device model to be tested <ul> <li>Make sure that the screws are facing away from where the device will be positioned</li> <li>The upper variable holder should be secured so that the device does not move after securing the lower side variable holder</li> <li>(x, y) are the coordinates on the pegboard where the screws should be fastened</li> <li>There will be at least two points listed for each variable holder</li> </ul> </li> </ul>
	The points will be listed in sets of two in the format (x, y)/(x,y)

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- 4. Insert the Common Model Jig into the Shield Box:
  - Pull open the Shield Box chamber and place the Common Model Jig in the center
  - Align the notches on the Common Model Jig to the pegs on the Shield Box to secure the Common Model Jig in place

- Note: Do not pull the chamber drawer all the way out; this will derail the chamber from its sliding tracks
- 5. Connect the Common Model Jig to the Shield Box using the I/F Cable:
  - Connect and secure the I/F cable to the Shield Box port located behind the chamber of the shield box
  - Slide the I/F plug into the Common Model Jig; be careful not to lift and damage the clip

Downloading, Configuring Daseul & Calibration

- There are three (3) files required to complete mmWave Calibration:
  - Daseul Launcher (.exe)
  - Calibration Runtime (.cab)
  - Model File (SM-GXX.cab)

Follow the instructions in the step table below to download the required files from SKP and configure Daseul:

Step Action

1. Log in to G-SPN, and click on **Knowledge** from the top menu bar

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2.	Type the device model number in the <b>Model</b> Code search field, and click on Search	Search Results
		Model Code 🗸 SM-G977U
3.	Scroll the scroll bar left until you reach the <b>Comp</b> <b>Software</b> column, and click on the hyperlinked nu the Compliance Software column	Under in Compliance Software
4.	Select the file to download and click <b>Download S</b> Service PC	elected to download the .zip file to the
5	Extract the zip file contents into a folder that wil	l contain all three files
6.	Navigate to and open the folder containing the extracted files, then the Daseul Launcher • With all of the files in the folder. Daseul Launcher	uncher Ver 30.30 × Status > Seasng Status tart Normal Mode ::: Complete Iaunch same
	<ul> <li>Should automatically load MMW_Calibration file</li> <li>Check the box next to Calibration</li> <li>Click Extract &amp; Run</li> <li>Solution</li> <li>S</li></ul>	the DASEUL_Runtime_Ver_3.1.426.0.CA8

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- 7. Once the extraction process is completed, the **Select Sequence Files & Login** window will appear:
  - Click and check off CAL
  - Click the ... button next to the CAL dropdown
  - Navigate to and select the Model File, then click **Open**
  - Click **Start** in the bottom right corner of the window

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- 8. The **Set System Configuration** dialog window will open:
  - In the **Test Process** section, select **Calibration**
  - Select Operation Condition and ensure Prevent Process Secession (NV) is unchecked; click OK
  - Click Hardware Config to continue

	Max. Re-Test on Fail	Trouble Shoot Mode(1P Cell)  Prevent Process Secession(1P Cell)
S Set	Consecutive Test Fail Alarm Fire this alarm When 3 consecutive tests FA After processing at least 5 ph	One Fail Block Use One Fail Block Use Che Fail Block Use Fail Block Add
Test Process [Process] [M. SMD DL	aster] Test Fail Alarm Fire this alarm	
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Final Auto	Power Supply Voltage Check Num of Count(Voltage) 20	Cable Type KJ Flat Cable  Cell Signal L Confi Measured Cable Loss
IMEI Write	Lower Spec(+) 0.300000 Upper Spec(+) 0.300000	V Check Cable Loss
MDL Rework	Num of Count(Current) 10 Lower Spec(+) 3.000000	mA Soft Power Off (IMEI)
STA Check	Test Mode : 110	Save ALL TOK Cancel
GPS T	IMEI Use RFSM	SubpartsLife Settin
Power Off-On before Bluetooth	WLAN Use Second PC Save ODS Marge Felice Cal	Operation RUN Condition SeeLog

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- 10. Congifure DBMS and Save:
  - In the Server section, select Home(GUMI)
  - In the Type section, select N/A
  - Click **SAVE** to save the hardware configuration

Phone	MSTS Sharing Controller	DBMS	PBA F/T
Count 1	Count 0	Server HOME(GUMI) 💌	Function Test IIo
I/F - 1 Type Serial COM		Type N/A 💌	NI-DAQ
I/F - 2 Type N/A	V I/F Type Secial COM	Barcode Reader	Power
		Type N/A 🔻	Detector Port Setting
I/F - 3 Type N/A	Terminal Port Setting	I/F Type Serial COM 👻	HDMI Type
I/F - 4 Type N/A	V Cartalian Day Day Cathlee	Port Setting	HDMI JIG
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TT No Trans Anuthau To	Robot / ShieldBox	LE Tune Serial COM	Type N/A 👻
te jig type (wityway.jg	Control Type N/A	the type of the cost	B'd Address 5
	I/F Type Serial COM 💌	Port Setting	Port Setting
Aulti Jig Cable Type UART Line	ShieldBox	MES PN Sender	
-	Type Port Setting	Type N/A 👻	AP(2.46) 5510
✓ Use Portable ID Check JIG	Power Supply	Port Setting	AP(5G) SSID
	ODA2CH 💌		GPS Generator
MSTS	I/F Type Serial COM 💌	Barometer	-WI AN
Count 0			Count 0 •
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I/F Type Serial COM	DUT Start - Out Cution		

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## SAMSUNG Care

- 11. Once hardware has been configured, you will return to the Set System Configuration window:
  - To save your settings and proceed to Daesul, click **OK**
  - You may encounter a MSTS pop-up notification upon clicking OK; disregard this notification and proceed to launching Daseul

Set Sy Set System Co		n	
Test Process         [Master] [Slave           [Process]         [Master] [Slave           SMD DL         □           SMD F/T         □           PBA F/T         □           Calibration         ♥           Calibration 2ND         □           Final Auto         □           Final Auto         □           Final Auto         □           IMEI Write         □           IMEI Check         □           MDL +2nd Check         □           IMEI Read         □           STA Write         □           STA Reset         □           WLAN         □	Test Condition SMD FT Test Mode : SMD_Function ¥ Calibration Real CAL Cycle: on every 20 ✔ default CALs Calibration Mode : FDT ↓ CAL2nd Mode : FDT ↓ CAL2nd Mode : FDT ↓ Final Supply RF Signal by Conduction ¥ Reset Loss Correction Count Test Mode : Signaling ¥ WLAN Test Mode : WLan ¥	System Config. Language English Line Name LINE(temp) Line Type Block Cell NP Cell Smart Cloud Cell # of Phone 1 Start Number of UI 1 Start Number 1 IP Address 172.31.98.37 SKD Mode MultiSharing(CMWS) Developer Mode Advanced Separating(ADS) SubpartsLife	Model Informatio Hardware Config. Signal Los Config. MSTS Calibratio Setting
r Off-On before WLAN	Test Mode : WLan V IMET Use RFSM C Use Second PC S Save ODS Merge Felica Cal C OQC Reset C	SubpartsLife  Operation Condition Operation Condition RUN SeeLog	Setting End Band Engine Free OK

- 12. Configure Daseul:
  - Click on the **Test Item** option within Daseul, and then select the **SVC Opt.** (only SVC PBA) option in red font
  - Save and close your settings by selecting the left **??** option below the **CAL Test Option** settings window



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13.

Select Start :
Place the powered off device in the Common Model Jig and connect it to the IF Port
Hold the Power Key to turn the device on

- Close the chamber while the device is booting up, making sure that the Shield Box is closed and locked by pulling **down** on the handle
- **Note:** If the calibration fails, do not stop the tool; allow Daseul to retest, then power the device off, reconnect it to the IF Port, hold the Power Key to turn the device on and close the chamber again while the device is booting up
- 14. When calibration completes successfully, Daseul will display **<Test Pass>** in the **Result** section

PGMV	er DASEU	tion(M) / [ShieldBox-AN L v3 1 421 0 / Calibratio	TENNA] n(r00734 KR	190424)						
			Phone	01				CUR CHK		
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	Result	<test pass=""></test>								
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U/N :							2DBCR : NONE			
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5	2		R	-7		¢	¢	0		Stop Pause

**Troubleshooting** If the tool fails, Daseul will display **Alarm !!!** in the **Result** field; a pop up window will provide details of the failure:

Error	Troubleshooting Steps
Tool failing for "Booting	1. Check Anyway Jig COM Port
Completed Msg Error"	Mapping/Settings
Tool failing for "StartCalibration	1. Ensure the device does not
Fail to Read Test Items All"	have Screen Lock turned on
Tool failing for "Erase Fail	1. Click Abort on the Alarm
History"	Screen and let the tool reset

It is important to make sure that the Fail History is erased manually when a failure occurs; double click on the failure line to view the Alarm Detail, and click the Abort button to clear the failure history. **DO NOT** click Retry, as this will only cause the tool to fail again.

del       SM-G977U       HW Ver SW Ver       REV0.1 SW Ver       SK0       SM-G977U       DB Serv HOME(GUM) Cell Type Bayer       ALL       PE NO.         Cess       Calibration(M)         Mer       DASEUL_v3.1.444.0.7 Calibration(00753)         Image: Dutt       Alarm Detail Infomation         Message       Dutt         Inter Test Mode Error       TestMan         Inter Test Mode Error       TestManager_1         Severity: Fatal       Enter Test Mode Error         Time: 2019-09-10       File: ustantcalibration.cpp       3116         Function: UStantCalibration       Image: Dutt D       Time         Unit Log       Image: Dutt D       Time       Severity       Log Message         Unit Log       DUT D       Time       Severity       Unit MarmestStep Enter Action         Unit Log       Image: Dutt D       Time       Severity       Unit Statis2.009       (1-Error)       UStantCalibration Leave Action         Image: Dutt D       Time       Severity       Unit Statis2.009       (1-Error)       UStantCalibration Leave Action         Image: Dutt D       Time       Severity       Unit Statis2.009       (1-Error)       UNit Log         Image: Dutt D       Time       Severity       Unit Statis2.009	
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Unit Log           No.         DUT ID         Time         Severity         Log Message           1         15:45:52.090         [1-Error]         UAlarmTestStep Enter Action           2         1         15:45:52.090         [1-Error]         UStartCalibration Leave Action           3         1         15:45:52.090         [1-Error]         No Data Received           4         1         15:45:42.102         [1-Error]         No Data Received           4         1         15:45:42.102         [1-Error]         30 0D 0A         0           5         1         15:45:42.102         [1-Error]         30 0D 0A         0           5         1         15:45:42.099         [1-Error]         30 0D 0A         0           6         1         15:45:42.099         [1-Error]         30 0D 0A         0           9         1         15:45:42.099         [1-Error]         30 0D 0A         0           9         1         15:45:42.099         [1-Error]         10 0D A         0           9         1         15:45:42.099         [1-Error]         [COM 22] Write [19]Byte Success           10         1         15:45:42.099         [1-Error]         [COM 22] Clear: PURGE_TXABO	
Unit Log           No.         DUT ID         Time         Severity         Log Message           1         1         15:45:52.090         [1-Error]         UAlarmTestStep Enter Action           2         1         15:45:52.090         [1-Error]         UStantCalibration Leave Action           3         1         15:45:20.090         [1-Error]         No Data Received           4         1         15:45:42:102         [1-Error]         No Data Received           4         1         15:45:42:102         [1-Error]         30:00 OA         0           5         1         15:45:42:102         [1-Error]         30:00 OA         0           5         1         15:45:42:102         [1-Error]         [COM 22] Read Success : [19] Byte R           7         1         15:45:42:089         [1-Error]         30:00 OA         0           8         1         15:45:42:089         [1-Error]         30:00 OA         0           9         1         15:45:42:089         [1-Error]         [COM 22] Clear: PURGE_TXABORT   P           10         1         15:45:42:089         [1-Error]         [COM 22] Clear: PURGE_TXABORT   P            ************************************	
Unit Log         Log Message           1         15:45:52.090         [1-Error]         UAlamTestStep Enter Action           2         1         15:45:52.090         [1-Error]         UStartCalibration Leave Action           3         1         15:45:52.090         [1-Error]         No Data Received           4         1         15:45:42:102         [1-Error]         No Data Received           4         1         15:45:42:102         [1-Error]         30 0D 0A         0           5         1         15:45:42:102         [1-Error]         30 0D 0A         0           6         1         15:45:42:102         [1-Error]         30 0D 0A         0           6         1         15:45:42:08         [1-Error]         30 0D 0A         0           9         1         15:45:42:08         [1-Error]         30 0D 0A         0           9         1         15:45:42:08         [1-Error]         30 0D 0A         0           9         1         15:45:42:08         [1-Error]         [COM 22] Write [19]Byte Success           10         1         15:45:42:08         [1-Error]         [COM 22] Clear : PURGE_TXABORT [P            *         *         * <td< td=""><td></td></td<>	
Unit Log         Severity         Log Message           1         15/45/52.090         [1-Error]         UAlarmTestStep Enter Action           2         1         15/45/52.090         [1-Error]         UStartCalibration Leave Action           3         1         15/45/52.099         [1-Error]         UStartCalibration Leave Action           3         1         15/45/52.099         [1-Error]         No Data Received           4         1         15/45/22.099         [1-Error]         30 0D 0A         00           5         1         15/45/22.029         [1-Error]         41 54 28 46 41 49 42 48 49 53 54 3D 30         15           6         1         15/45/42.029         [1-Error]         30 0D 0A         00           8         1         15/45/42.089         [1-Error]         30 0D 0A         00           9         1         15/45/42.089         [1-Error]         15 42 84 64 149 42 48 49 53 54 3D 30         16           1         15/45/42.089         [1-Error]         [COM 22] Write [19]8/9K 840ccess         10         1         15/45/42.089         [1-Error]         [COM 22] Clear : PURGE_TXABORT   P           4         *         1         15/45/42.089         [1-Error]         [COM 22] Clear : PURGE_TXABORT   P	
No.         DUT ID         Time         Severity         Log Message           1         15:45:52.090         [1-Error]         UAlarmTestStep Enter Action           2         1         15:45:52.090         [1-Error]         UstartCalibration Leave Action           3         1         15:45:20.090         [1-Error]         UstartCalibration Leave Action           3         1         15:45:20.090         [1-Error]         No Data Received           4         1         15:45:42.02         [1-Error]         No Data Received           4         1         15:45:42.02         [1-Error]         30:00 DA         0           5         1         15:45:42.02         [1-Error]         30:00 DA         0           6         1         15:45:42.09         [1-Error]         30:00 DA         0           8         1         15:45:42.09         [1-Error]         30:00 DA         0           9         1         15:45:42.09         [1-Error]         41:54:28:46:41:49:4C:48:49:53:54:3D:30           9         1         15:45:42:089         [1-Error]         [COM 22] Write [19]Byte Success           10         1         15:45:42:089         [1-Error]         [COM 22] Clear: PURGE_TXABORT [P	
I         15:45:52.090         (I-Error)         UAlarmTestStep Enter Action           2         1         15:45:52.090         (I-Error)         UStartCalibration Leave Action           3         1         15:45:52.090         (I-Error)         No Data Received           4         1         15:45:42:102         (I-Error)         No Data Received           4         1         15:45:42:102         (I-Error)         30 0D 0A         C           5         1         15:45:42:102         (I-Error)         30 0D 0A         C           6         1         15:45:42:102         (I-Error)         30 0D 0A         C           7         1         15:45:42:089         (I-Error)         30 0D 0A         C           8         1         15:45:42:089         (I-Error)         30 0D 0A         C           8         1         15:45:42:089         (I-Error)         30 0D 0A         C           9         1         15:45:42:089         (I-Error)         (COM 22) Write [19]Byte Success           10         1         15:45:42:089         (I-Error)         (COM 22) Clear: PURGE_TXABORT   P            ************************************	/
2         1         15:45:52.090         [1-Error]         UStartCalibration Leave Action           3         1         15:45:52.099         [1-Error]         No Data Received           4         1         15:45:42:092         [1-Error]         30 0D 0A         C           5         1         15:45:42:102         [1-Error]         30 0D 0A         C           5         1         15:45:42:102         [1-Error]         30 0D 0A         C           5         1         15:45:42:102         [1-Error]         30 0D 0A         C           5         1         15:45:42:002         [1-Error]         GOM 22] Read Success : [19] Byte R           7         1         15:45:42:089         [1-Error]         30 0D 0A         O           9         1         15:45:42:089         [1-Error]         GOM 22] Write [19]Byte Success         I           9         1         15:45:42:089         [1-Error]         [COM 22] Write [19]Byte Success         I           10         1         15:45:42:089         [1-Error]         [COM 22] Clear : PURGE_TXABORT   P            *         *         *         *         *         *           10         1         15:45:42:089         [1	
8         1         15:45:52.09         [1-Error]         No Data Received           4         1         15:45:42.102         [1-Error]         30 0D 0A         (0)           5         1         15:45:42.102         [1-Error]         41 54:28 46 41 49 4C 48 49 53 54 3D 30         (6)           5         1         15:45:42.09         [1-Error]         (COM 22) Read Success : [19] Byte R           7         1         15:45:42.09         [1-Error]         30 0D 0A         (0)           8         1         15:45:42.09         [1-Error]         30 0D 0A         (0)           8         1         15:45:42.09         [1-Error]         30 0D 0A         (0)           9         1         15:45:42.09         [1-Error]         30 0D 0A         (0)           9         1         15:45:42.09         [1-Error]         (10)         (1)         (1)           1         15:45:42.099         [1-Error]         [COM 22] Write [19]Byte Success         [10]         (1)         [1]         [1]         [1]         [1]         [1]         [1]         [2]         [2]         [2]         [2]         [2]         [2]         [2]         [2]         [2]         [2]         [2]         [3]	
4         1         15:45:42.102         [1-Error]         30:00 0A         (C)           5         1         15:45:42.102         [1-Error]         41:54:28:46:41:49:42:48:49:53:54:3D:30           6         1         15:45:42.102         [1-Error]         (C)         (C)         (C)           6         1         15:45:42.102         [1-Error]         (C)         (C)         (C)           7         1         15:45:42.09         [1-Error]         30:00 0A         (C)           8         1         15:45:42.09         [1-Error]         30:00 0A         (C)           9         1         15:45:42.09         [1-Error]         (C)         (C)         (C)           9         1         15:45:42.09         [1-Error]         (C)	
5         1         15:45:42:102         (1:Error)         41:54:28:46:41:49:4C:48:49:53:54:3D:30           5         1         15:45:42:102         (1:Error)         (COM 22] Read Success : [19] Byte R           7         1         15:45:42:009         (1:Error)         30:00 DA         00           8         1         15:45:42:009         (1:Error)         41:54:28:46:41:49:4C:48:49:53:54:3D:30           9         1         15:45:42:089         [1:Error]         30:00 DA         00           9         1         15:45:42:089         [1:Error]         (COM 22] Clear : PURGE_TXABORT   P           10         1         15:45:42:089         [1:Error]         [COM 22] Clear : PURGE_TXABORT   P            Select Remedy Action         Select Remedy Action         11:Compare the select reserver in	
6         1         1545422 102         [1-Error]         [COM 22] Read Success : [19] Byte R           7         1         1545422 009         [1-Error]         So DO DA         (COM 22) Read Success : [19] Byte R           8         1         1545422 009         [1-Error]         30 0D DA         (COM 22) Read Success : [19] Byte R           9         1         154542 009         [1-Error]         [COM 22] Write [19]Byte Success           9         1         154542 009         [1-Error]         [COM 22] Write [19]Byte Success           10         1         154542 009         [1-Error]         [COM 22] Clear : PURGE_TXABORT   P            Select Remedy Action         Select Remedy Action         Retr         Abort	20 30
0         1         154542.089         [1-Error]         30 0D 0A         (           1         154542.089         [1-Error]         30 0D 0A         (         (           8         1         154542.089         [1-Error]         30 0D 0A         (           9         1         154542.089         [1-Error]         (COM 22) Write [19]Byte Success           10         1         154542.089         [1-Error]         (COM 22) Clear: PURGE_TXABORT   P            *         *         *         *         *           Select Remedy Action         *         *         *         *	and in
I         15:45:42:009         [1-Error]         41:54:28:44:149:4C:48:49:53:54:30:53           I         15:45:42:009         [1-Error]         41:54:28:44:149:4C:48:49:53:54:30:53           I         15:45:42:009         [1-Error]         [COM 22] Write [19]Byte Success           I         15:45:42:009         [1-Error]         [COM 22] Write [19]Byte Success           I         15:45:42:009         [1-Error]         [COM 22] Clear: PURGE_TXABORT   P           I         5:45:42:009         [1-Error]         [I-Error]           I         5:45:42:009         [1-Error]         [I-Error]           I         5:45:40:000         [1-Error]         [I-Error]           I         5:45:40:000         [1-Error]         [I-Error]           I         5:45:40:000         [I-Error]         [I-Error]           I         5:45:40:000         [I-Error]         [I-Error] <t< td=""><td>ead in</td></t<>	ead in
Image: Second	
Image: Select Remedy Action     Select Remedy Action	20 30
I 154542.089 [1-Error] [COM 22] Clear: PURGE_TXABORT   P	
	URGE_
Select Remedy Action	>
Select Remedy Action	
Auto Recipe Setting Test Item	
Retr Abort	_

Once the failure history has been cleared, click the **Auto** option and allow Daseul to retest the device:

Model	SM-G977U	H/W Ver S/W Ver	REV0.1 SM-G977U	SKU	SM-G977U G977U	DB Serv HOME(C Buyer AL	GUMI) Cell Type Block Cel PC NO. <u>NONE</u>
Process (	Calibration(M)					United Sector 1. 1993	
PGM Ven	JASEUL_V3.1.444.07 Calibr	ation(r00758)	aubla aliah an it			- 2	
	100	U	ouble click an ite	em to view the	details of the alarn	n.	2.504
_	Message	DUT	ID Name	e ID S	everity File Na	ame Line	Function
•							
a			THE	**			A 0
Auto	Recipe Setting	Test Item	HW Setting Se	tting(Etc.) Etc.	-unc. Data		Alarm Hel
:: (One Step) :	[ Machine Freq : 100 ms]	DBMS Type : N/A	4			Level : [01-Error]	2 R 2019-09-10 15:48

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