





IQfact+ 4357 Murata Station details

Station settings	Information	
Computer IP Address	192.168.12.119	
Computer Username	JSUN10-o9010\Litepoint	
Computer Password	ssqa	
Number of DUTs	8, all active (IP: 192.168.100.1 to 8)	
Most recent package tested	IQfact+_BRCM_4357_MPS_3.4.1.34 and IQfact+_BRCM_4357_MPS_3.4.1.38	
Flow used for testing	M16W: Murata_Debug_DUT1.txt M16: M16_Murata_Debug_DUT1.txt	
Tester 1	IQxel-M16, FW2.11	
Tester 2	IQxel-M16W, FW1.7.2_locked (used by Murata in MP) Also tried FW1.8.1, FW1.9_daily build & FW1.10_daily build for issue debugging	
Setup files located here:	P:\Business Development\Public\BD_QA\QA_Project\QA_Station_guide\IQfact+_QA\BRCM\4357	

IQfact+ 4357 Murata Station Picture



IQfact+ 4357 Murata DUT details

DUT	Information
DUT Name	4357
DUT HW version	B1 ES5.3
DUT WIFI FW version	IGUANA_REL_13_10_452_13_PEGASUSE_MURATA_MM_PCIE_Mfgtest_Binary
DUT BT HCD File	BCM4357B1_15.1.107.857_Guinness_MFG_MV_MUR_20170628.hcd
DUT Username	root
DUT Password	Brcm1234 or brcm1234
Need external power supply	Yes, 3.6Volts, 2A current, DC power supply for all DUTs.
DUT connection picture	Attached on next slide
Additional comments: DUT COM ports	Use last number from each DUT in the BT Insert DUT: D1: 87-90 (Use COM90) D2: 77 – 80 (Use COM80) D3: 61-64 (Use COM64) D4: 21-24 (Use COM24) D5: 69 – 72 (Use COM72) D6: 65 – 68 (Use COM68) D7: 81 – 84 (Use COM84) D8: 5-8 (Use COM8)

IQfact+ 4357 Murata DUT Connection Picture

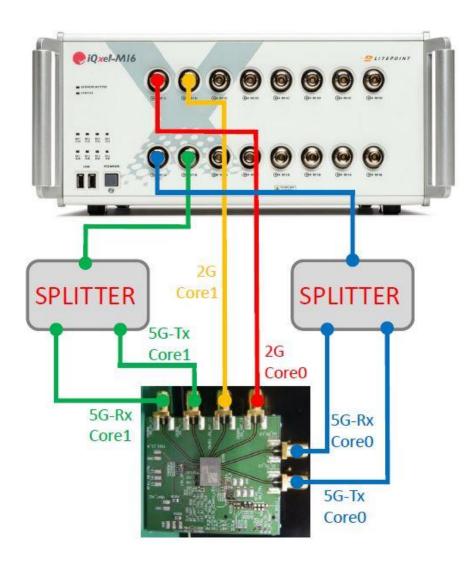




IQfact+ 4377 Murata Station details

Station settings	Information
Computer IP Address	192.168.12.92
Computer Username	akarva07_o9020\litepoint
Computer Password	ssqa
Number of DUTs	4, none active as of now (IP: 192.168.100.1 to 192.168.100.4)
Most recent package tested	IQfact+_BRCM_4357_MPS_3.4.1.34 and IQfact+_BRCM_4357_MPS_3.4.1.38
Flow used for testing	flow_DietCoke_wo-rFEM_5G-2G-BT_DUT1.txt
Tester 1	IQxel-M16
Setup files located here:	P:\Business Development\Public\BD_QA\QA_Project\QA_Station_guide\IQfact+_QA\BRCM\4377

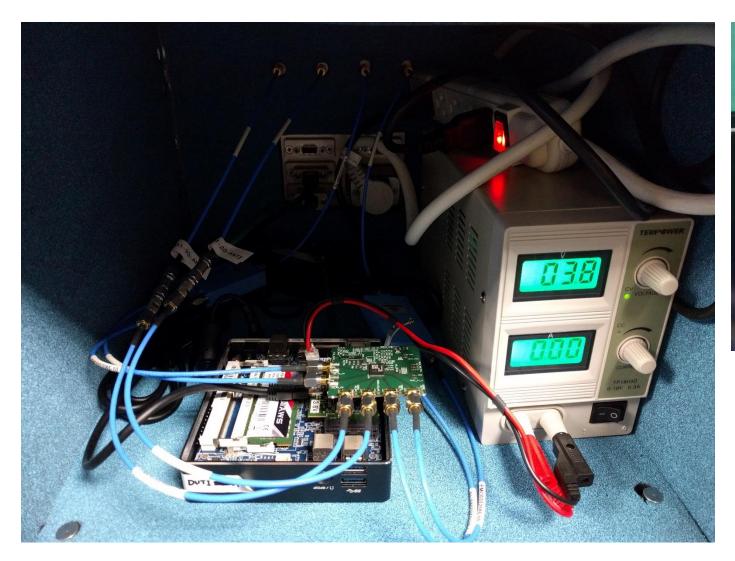
IQfact+ 4377 Murata Station Picture

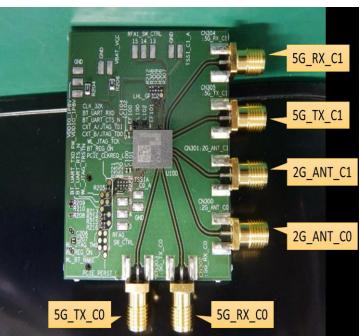


IQfact+ 4377 Murata DUT details

DUT	Information
DUT Name	4377
DUT HW version	A0 DIETCOKE EVB M ES1 Ver 1.0
DUT WIFI FW version	KOALA_REL_16_10_30_5_DIETCOKE_MURATA_MM_Mfgtest_Binary
DUT BT HCD File	BCM4377A0_15.1.37.38_DietCoke_MFG_MUR_20170619.hcd
DUT Username	root
DUT Password	Brcm1234 or brcm1234
Need external power supply	Yes, 3.8Volts, 2A current, DC power supply for all DUTs.
DUT connection picture	Attached on next slide
Additional comments: DUT COM ports	Use last number from each DUT in the BT Insert DUT: D1: - COM4/5/6/7 (Use COM7)

IQfact+ 4377 Murata DUT Connection Picture







IQmeasure Station details

- IQmeasure station is used to QA IQmeasure layer of the IQfact+ SW
- For this, you need to connect tester in Loopback mode
- Install IQmeasureTest package (this is similar to the IQfact+ package installation)
- You need IQmeasureTest.exe to run any tests for this QA. Kaiyun or the developer who provided the package will provide this executable to you.
- Once package installed, run the test using following command:
 - IQmeasureTest.exe -" + test_name + " -exit"
 - Here test_name can be from this list [QA_11AC, QA_11ag, QA_11b, QA_11n, QA_BT, QA_CW, QA_Mask, QA_flatness]

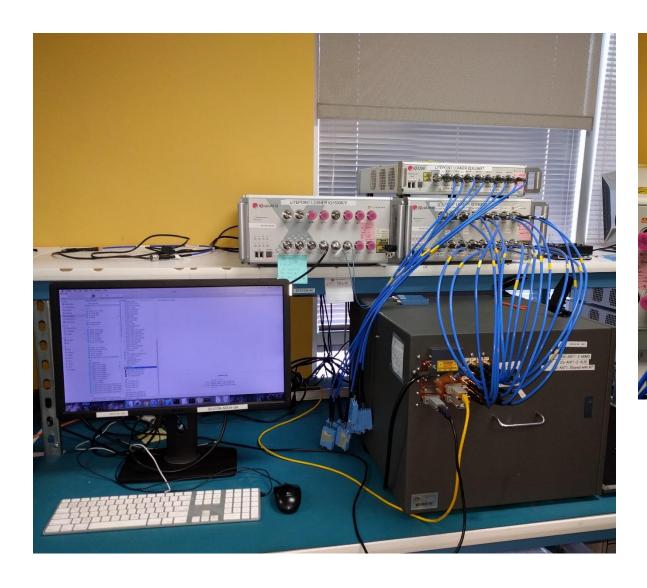




IQfuji 4357 Murata Station details

Station settings	Information	
Computer IP Address	192.168.12.67	
Computer Username	gdlocal	
Computer Password	gdlocal	
Number of DUTs	4, all active (IP: 192.168.100.31 to 192.168.100.34)	
Most recent package tested	IQfuji_Nup_4.9.17_ENG4	
Latest XPC version used	IQXPC_4.9.17_ENG4	
Flow used for testing	4357 MIMO TEST EXECUTE for SISO/MIMO+BT flow 4357 RSDB TEST EXECUTE for RSDB+BT flow 4357 BT 5.0 TEST EXECUTE for BT5.0 dedicated QA 4357 AutoQA Flow EXECUTE combined flow for SISO/MIMO/BT all in one, use it for Auto QA testing	
Tester 1	IQxel-2800, FW2.12 (192.168.100.254)	
Tester 2	IQxel-2200, FW1.22 (192.168.100.253)	
Tester 3	IQxel-2800, FW2.8 (192.168.100.252), used for BT5.0 Interference test	
Setup files located here:	P:\Business Development\Public\BD_QA\QA_Project\QA_Station_guide\IQfuji_QA\BRCM\4357	

IQfuji 4357 Murata Station Picture

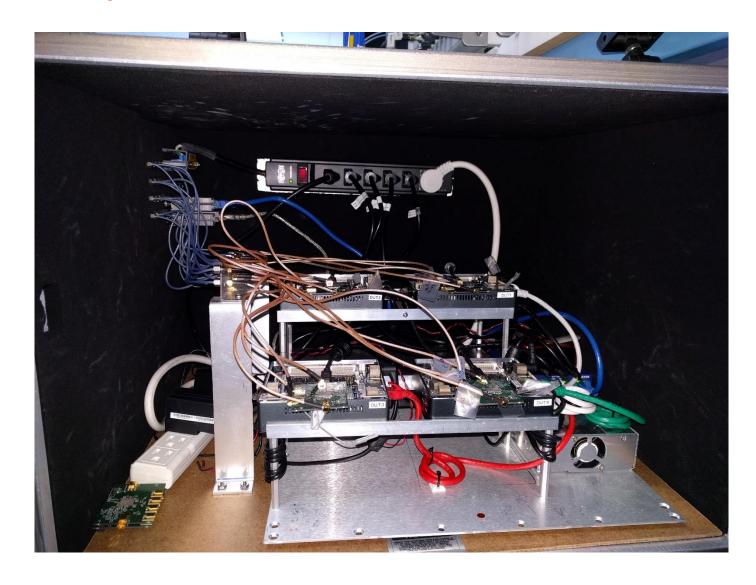


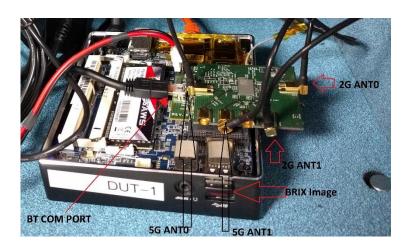


IQfuji 4357 Murata DUT details

DUT	Information	
DUT Name	4357	
DUT HW version	B1 ES5.3	
DUT WIFI FW version	13_10_452_7 (located at 4357_FW/13_10_452_7_B1 folder on each BRIX) Use ./load_wifi_driver_B1.txt script to load DUT FW.	
DUT BT HCD File	BRCM4357B1_15.1.24.78_Apollo_MFG_MUR_ETRS_20170129.hcd	
DUT Username	root	
DUT Password	hrun*10 for DUT1 to DUT3 while DUT4: Brcm1234	
Need external power supply	Not needed anymore, new Adapter boards has rework from Murata which eliminates the need for Power supply on current station	
DUT connection picture	Attached on next slide	
Additional comments: DUT COM ports	Use last number from each DUT in the BT Insert DUT: DUT sample COM port numbers are as follows: /dev/tty.usbserial-0042111DA /dev/tty.usbserial-0042111DB /dev/tty.usbserial-0042111DC /dev/tty.usbserial-0042111DD Thus, for D1: Use /dev/tty.usbserial-0042111DD D2: Use /dev/tty.usbserial-0041111DD D3: Use /dev/tty.usbserial-0044111DD D4: Use /dev/tty.usbserial-0043111DD	

IQfuji 4357 Murata DUT Connection Picture



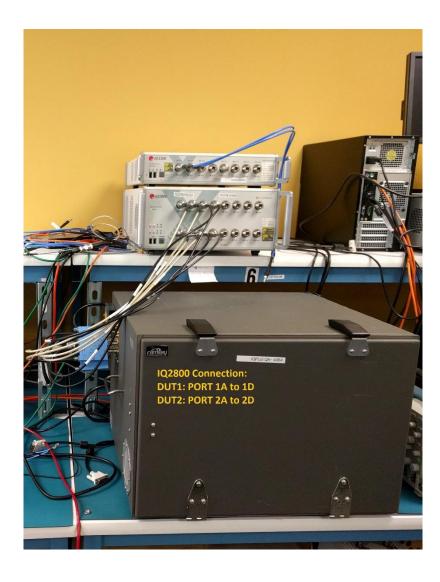




IQfuji 4364 Murata Station details

Station settings	Information
Computer IP Address	192.168.13.223
Computer Username	gdlocal
Computer Password	gdlocal
Number of DUTs	2, all active (IP: 192.168.100.31 and 192.168.100.32)
Most recent package tested	IQfuji_Nup_4.9.17_ENG9
Latest XPC version used	IQXPC_4.9.17_ENG9
Flow used for testing	4364 TEST EXECUTE combined flow for SISO/MIMO/BT all in one
Tester 1	IQxel-2800, FW2.12 (192.168.12.252)
Tester 2	IQxel-2200
Setup files located here:	P:\Business Development\Public\BD_QA\QA_Project\QA_Station_guide\IQfuji_QA\BRCM\4364

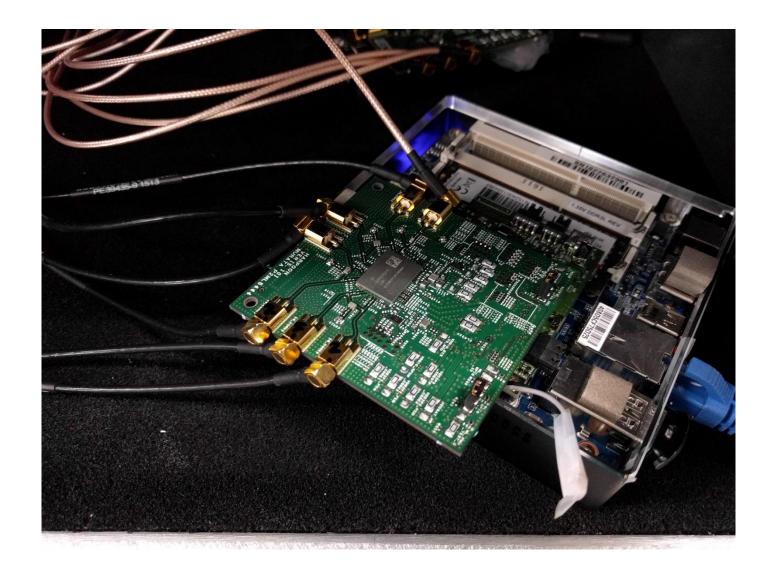
IQfuji 4364 Murata Station Picture



IQfuji 4364 Murata DUT details

DUT	Information
DUT Name	4364
DUT HW version	B2 (Harpoon ES 6.1)
DUT WIFI FW version	9.30.94.18 (Jan 25'17) (located at 4364FW/9_30_94_18_B2 folder on each BRIX) Use ./drv_loadnew.sh script to load DUT FW.
DUT BT HCD File	BT not tested for this DUT on QA setup (Solution needs to add support for shared ANT setting)
DUT Username	root
DUT Password	hrun*10
Need external power supply	Not needed for this DUT. Only need adapter to power the BRIX
DUT connection picture	Attached on next slide
Additional comments: DUT COM ports	None

IQfuji 4364 Murata DUT Connection Picture

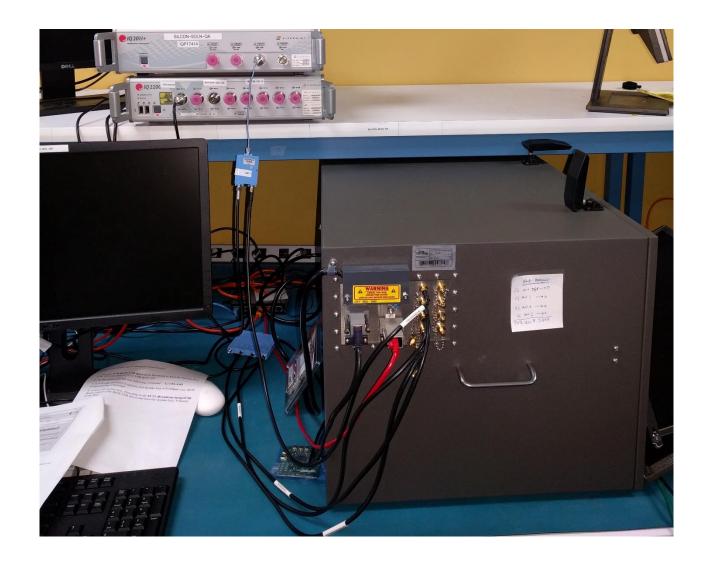




IQfuji 4357 UOTA Station details

Station settings	Information	
Computer IP Address	192.168.13.6	
Computer Username	gdlocal	
Computer Password	gdlocal	
Number of DUTs	1, active (IP: 192.168.100.31)	
Most recent package tested	UOTA_1.0.14_ENG3	
Latest XPC version used	UOTA uses example code and not XPC.	
Tester 1	IQxel-2200	
Tester 2	IQ2011+	
Setup files located here:	P:\Business Development\Public\BD_QA\QA_Project\QA_Station_guide\IQfuji_QA\BRCM\UOTA setup	

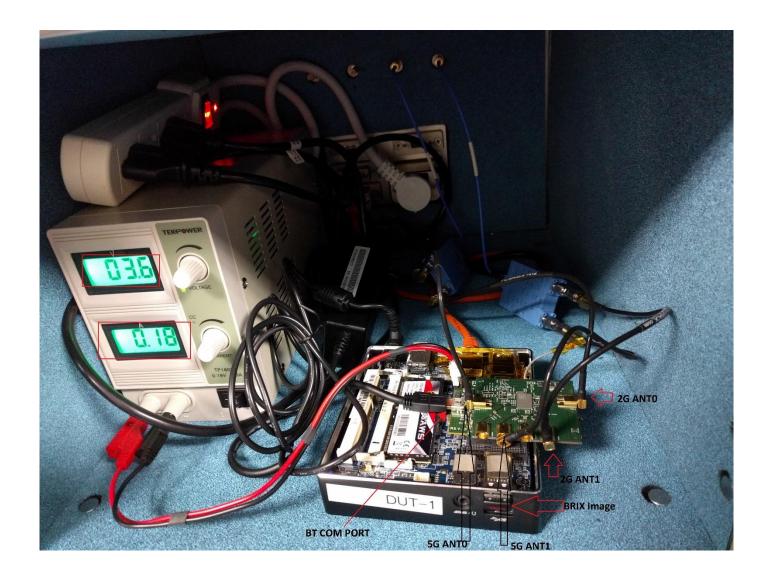
IQfuji 4357 UOTA Station Picture



IQfuji 4357 UOTA DUT details

DUT	Information	
DUT Name	4357 Murata	
DUT HW version	B1 ES5.1	
DUT Username	root	
DUT Password	hrun*10	
Need external power supply	Yes, 3.6Volts, 2A current, DC power supply for all DUTs.	
DUT connection picture	Attached on next slide	
Additional comments:	None	

IQfuji 4357 UOTA DUT Connection Picture

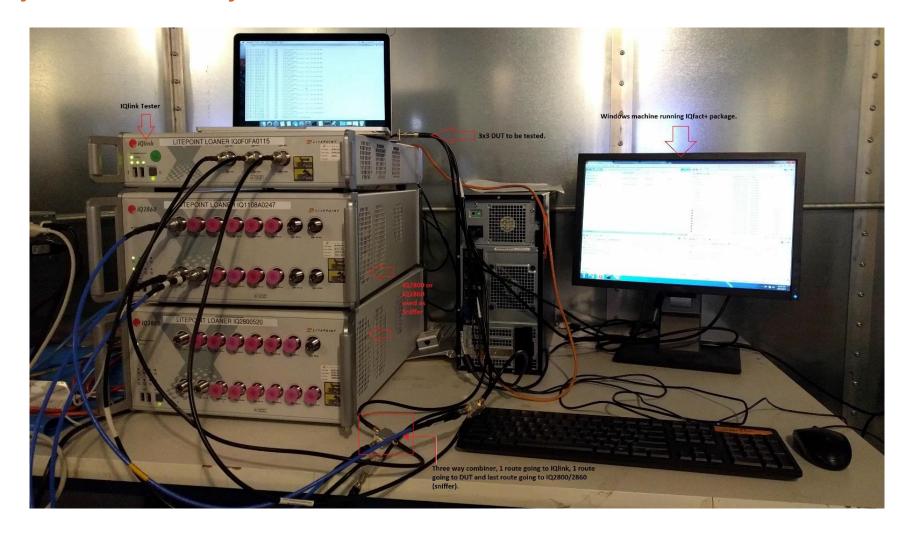




IQfuji IQdiscovery Station details

Station settings	Information
Computer IP Address	192.168.12.69
Computer Username	akarva04-o9020\Litepoint
Computer Password	lp
Number of DUTs	1
Most recent package tested	IQdiscovery_1.1.ENG16
Flow used for testing	2860: Longer_flow_2860.txt 2800: Longer_flow_2800.txt
Tester 1 (IQlink)	192.168.100.200 (SN #IQ0F0FA0115)
Tester 2 (IQ2860)	192.168.100.100 (FW1.7, SN# IQ1108A0247)
Tester 3 (IQ2800)	192.168.100.254 (FW2.11, SN#IQ2800520)
Setup files located here:	P:\Business Development\Public\BD_QA\QA_Project\QA_Station_guide\IQfuji_QA\IQdiscovery

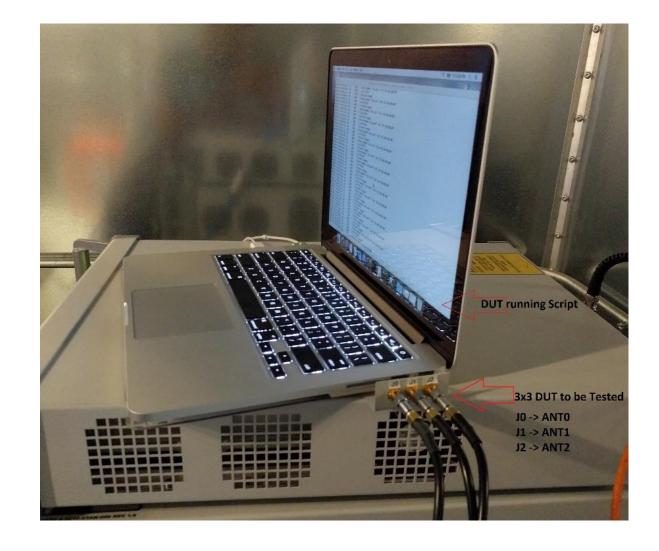
IQfuji IQdiscovery Station Picture



IQfuji IQdiscovery Station details

DUT	Information
DUT Name	Macbook 3x3, IQlink tester
DUT WIFI FW version	No particular FW, just use the Macbook as DUT
DUT BT HCD File	Not applicable since BT is not tested.
Need external power supply	Just hook up the adapter to Macbook
DUT connection picture	See on next slide
Additional comments	Connect back panel of IQlink to 2800 and 2860 tester. This is used for trigger source.
Flow and Settings	Connect Tester (sniffer): Enter IP address of IQ2800 or IQ2860 Insert Dut: Enter IP of Both IQlink and DUT here separated by colon ';' path_loss_IQlink.csv: IQlink & DUT pathloss.csv: 2800 & DUT Load_Path_loss_Table test item: only put path_loss.csv name here

IQfuji IQdiscovery DUT Connection Picture





IQfuji 4360SSH Station details

Station settings	Information
Computer IP Address	192.168.4.210
Computer Username	gdlocal
Computer Password	gdlocal
Number of DUTs	4, all active (IP: 192.168.100.31 to 34)
Most recent package tested	Daily Build as of 9/29/2017
Latest XPC version used	XPC for the SVN from daily build
Flow used for testing	Auto QA using Shell script
Tester 1	IQxel-2800, FW2.8 (192.168.100.254)
AutoQA script	Open new Terminal window -> cd to Desktop -> enter command "bash AutoQA2.sh <time_interval_in_seconds>" For example: bash AutoQA2.sh 300</time_interval_in_seconds>

IQfuji 4360SSH Murata DUT details

DUT	Information
DUT Name	4360SSH
Need external power supply	Just connect power supply to the MAC mini
DUT connection picture	Attached on next slide
Additional comments:	None

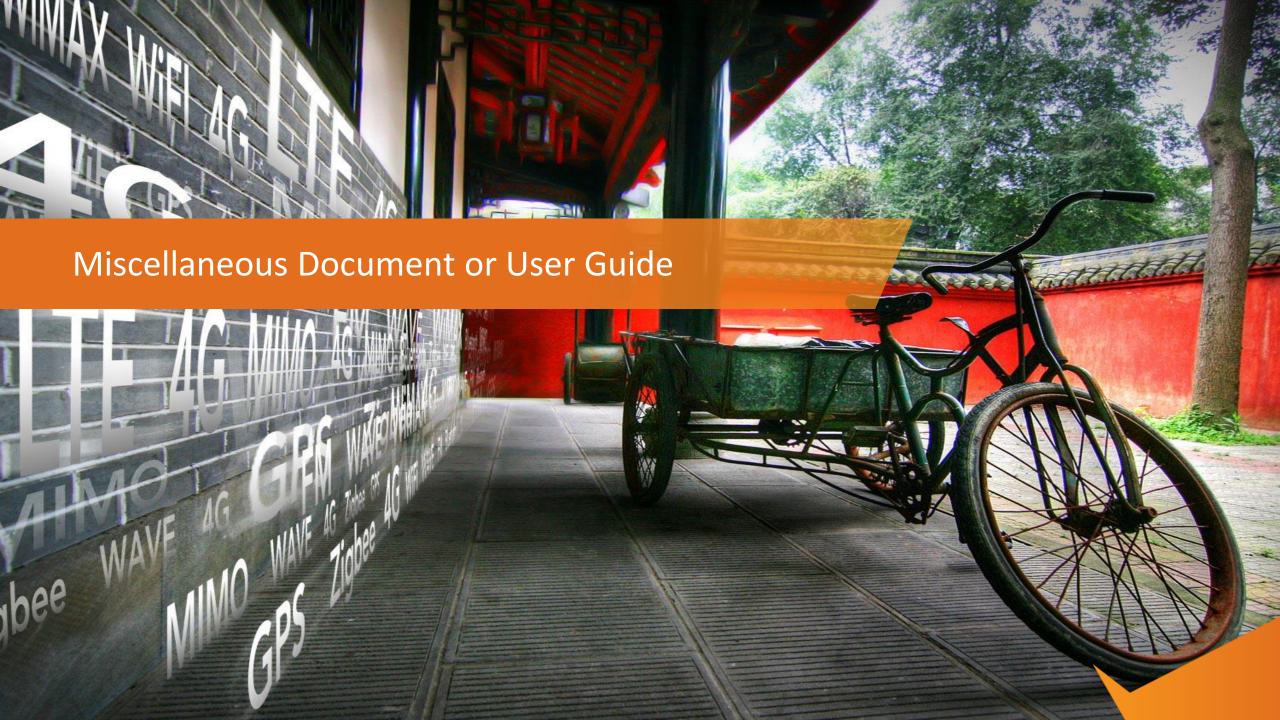


IQfuji 4350SSH AutoQA Station details

Station settings	Information
Computer IP Address	192.168.4.209
Computer Username	gdlocal
Computer Password	gdlocal
Number of DUTs	1, inactive (battery swollen on this DUT, gave it to IT for repair)
Most recent package tested	Daily Build as of 08/31/2017
Latest XPC version used	XPC for the SVN from daily build
Flow used for testing	Auto QA using Shell script
Tester 1	IQxel-2200
AutoQA script	Open new Terminal window -> cd to Desktop -> enter command "bash AutoQA2.sh <time_interval_in_seconds>" For example: bash AutoQA2.sh 300</time_interval_in_seconds>

IQfuji 4350SSH AutoQA DUT details

DUT	Information
DUT Name	4350SSH
DUT HW version	Macbook pro
DUT Username	test
DUT Password	test
Need external power supply	Just connect power supply to the Macbookpro
DUT connection picture	Attached on next slide
Additional comments:	Currently AutoQA is disabled on this station since the battery of the DUT swollen up. Gave the DUT to IT for replacement.



Miscellaneous Documents or User Guides- Part 1

- All the Station specific documents and files are saved here:
 - P:\Business Development\Public\BD_QA\QA_Project\QA_Station_guide
- IQfact+ related IQramp templates are saved here:
 - P:\Business Development\Public\BD_QA\QA_Project\QA_Station_guide\IQfact+_QA\IQramp templates
- IQfuji related IQramp templates are saved here:
 - P:\Business Development\Public\BD_QA\QA_Project\QA_Station_guide\IQfuji_QA\IQramp templates
- Kenual log parser for IQfuji is located here:
 - P:\Business
 Development\Public\BD_QA\QA_Project\QA_Station_guide\IQfuji_QA\Kennual_logParse_tool
- How to use Kenual log parser tool:
 - You need to copy tool exe to the base location from where you want to run for the logs. It only parse client logs.
 - You will have to use Windows to run this since it's a .exe and won't be able to run on MAC
 - Just run the .exe and no need for additional log as input. it will look for logs and parse them. Also note that this tool works on only client log parsing.

Miscellaneous Documents or User Guides - Part 2

- BRIX bring up instructions and user guide
 - P:\Business Development\Public\BD_QA\QA_Project\QA_Station_guide\BRIX_bringup_userGuide