



J307/308 Factory Test Flow

V1.93

AP: Aditya S./Duncan Z.

RF: Chao L./ Patrick K.



Change History

Test time | UPH
Online DOE Station

Test time | UPH
MP POR Test Station

Not Used For the Build

DUT Running iOS

DUT Running EFI

Process (PD)

Assembly Station

Test time | UPH
Offline DOE Station

Test time | UPH
Yield Protection

Version	Updated by	Date	Comments
0.1	Bijeta C	6/26	P0 test flow first version uploaded for AP
0.2	Bijeta C	7/18	<ul style="list-style-type: none"> 1. USB C station Test enabled for P0 2. Magnet Hall enabled for P0
0.3	Patrick K	7/23	<ul style="list-style-type: none"> 1. Updated RF section 2. Cleanup on project name
0.4	Aditya S	7/25	<ul style="list-style-type: none"> 1. Updated SMT AP stations to align with P0 iFTR (Grape-1, SOC changed to offline and SFCT moved to MLB line) 2. Added QT0b (fixtureless) to support pre-requisites for RAT. 3. Changed QT1 to offline. 4. Updated DRIs for AP stations.
0.5	Patrick K	7/29	Updated RF section
0.6	Patrick K	7/30	Updated Coex Offline stations
0.7	Patrick K	7/31	Remove some SMT Offline station
0.8	Patrick K	7/31	<ul style="list-style-type: none"> 1. Change owner of offline station 2. Change to Development 19 down to 4 stations
0.9	Patrick K	8/2	<ul style="list-style-type: none"> 1. Updated Coex FATP offline station 2. Added SMT Development 5 station
1	Patrick K	8/12	Reduce from x4 to x2 WiFi BT Harmonic



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Version	Updated by	Date	Comments
1.01	Tung Meng Yew	8/26	AIO pretty name updated
1.02	Patrick K	8/26	S1/S2/S3 2-up from 1-up
1.03	Patrick K	8/26	Added PAT station (Passive Antenna Testing)
1.04	Aditya S	9/2	1.Reassigned GH station ID for USB-C, QT0b, Mag-hall. 2.Enabled FACT21
1.05	Patrick K	9/6	1.Added TT Update Station 2.Rename AIO Wifi to CG-RAT Wifi and AIO Cell to CG-RAT Cell
1.06	Aditya S	9/10	1.Added Scorpius Char station /Scorpius Touch Coex station 2.Added SICLOPS station
1.07	Patrick K	9/13	Added P1 section
1.08	Patrick K	9/14	Updated P1 section. Many changes, still on going.
1.09	Patrick K	9/16	- rename RAT to DEV28 - Rename TT update to RAT
1.1	Patrick K	9/19	Major update of P1 flow
1.11	Jerry T	9/20	Moved Scorpius Touch Coex after Grape test2
1.12	Patrick K	9/20	Updated RSE station
1.14	Jerry T	9/23	Disable Grape test in P0
1.15	Jerry T	9/24	1.add Pre-burn MMI after CT2 2.Replace SAF with FDR-Seal
1.16	Jerry T	9/25	Removed iSD test



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Version	Updated by	Date	Comments
1.17	Patrick K	9/26	P1 Development19 updated
1.18	Patrick K	9/26	P1 Desense Offline station updated
1.19	Jerry T	10/08	Added Scorpius Display Coex/Scorpius CPU Coex/Scorpius Camera Coex station/Scorpius Camera SPK station
1.2	Patrick K	10/09	P1 Updated Cell and WiFi section
1.21	Jerry T	10/11	Enable SOC/GRAPE-1/iPad-1/Mix QT0a/IMU_P-test/FOS/BurnIn/CCB/ALS CAL/ALS TEST/CCB/QT1/MMI for P1
1.22	Patrick K	10/11	Updated RF FATP Offline section RAT station changed to Bojay Box
1.23	Patrick K	10/11	RAT station back to Tescom box
1.24	Patrick K	10/15	Update COEX Offline Remove TT Update Change a few station to non-UI
1.25	Patrick K	10/15	Remove USB3 Desense offline station
1.26	Jerry T	10/16	1. Enable Pre-FACT for P1 2. Disable QT0b for P1
1.27	Jerry T	10/22	Updated for P1 1. Enabled LVCC 2. Enabled LVCC E2E and updated station name as Mem Margin 3. Updated LVCC,Mem Margin and Scorpius FCT position 4. Disabled Pre-FACT
1.28	Patrick K	10/23	COEX3 => 2x station REMOVE TT Update Added WiFi Ether station for cell sku (6 station)



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Test time | UPH
Yield Protection

Version	Updated by	Date	Comments
1.29	Patrick K	10/23	COEX3 to 4x station
1.33	Jerry T	10/31	Updated for P1 1. Enable Pre-FACT 2. Add HSG-MAGNET
1.34	Patrick K	11/6	- Remove Ether online station - Add two Testcom DOE station - Add offline Ether station for data collection
1.36	Patrick K	11/7	Deleted Redsig-OTA-LAT-TC and Redsig-OTA-UAT-TC
1.37	Patrick K	11/8	Move location of the Ether offline station next to online
1.38	Patrick K	11/11	Remove S4 and S5. Update test time for S1/S2/S3
1.39	Jerry T	11/12	Updated for P1 1. Moved Pre-FACT after USBC 2. Enabled USBC Throughput_HDCP and Log-Collection
1.4	Jerry T	11/12	Updated for P1 1. Added CG-QT0 and CT3
1.41	Patrick K	11/13	Remove Ether offline station
1.42	Jerry T	11/15	Moved USBC DOE *before* USBC Throughput_HDCP
1.44	Patrick K	11/25	Minor update to SMT-COEX7
1.45	Jerry T	12/4	1. Add IMU offline station 2. Change MAG-HALL KB1&KB2 as Non-POR station.
1.47	Jerry T	12/12	Updated for P1 1. Move CCB after Grape 2
1.48	Patrick K	12/12	Split RAT and WiFi-BT-OTA station
1.49	Jerry T	12/14	Move IMU-p-test after USB throughput



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Yield Protection

Version	Updated by	Date	Comments
1.5	Jerry T	12/25	- Added C3 HES residual DOE
1.51	Patrick K	1/3/2020	- Created the pre-EVT flow (just cut and paste P1 test flow.
1.52	Patrick K	1/3/2020	- Updated pre-EVT RF SMT test flow WiFi and BT stations
1.53	Patrick K	1/9/2020	<ul style="list-style-type: none"> - Updated Cell-S1, Cell-S2, Cell-S3 and Cell-S4 - Added WiFi CHAR-5GDIV and WiFi IQ-5GDIV
1.54	Patrick K	1/9/2020	
1.56	Jerry T	1/15/2020	Add IMU-Atlas Loop DOE
1.57	Patrick K	1/15/2020	Updated Cell S1, S2, S3, S4, S5
1.58	Patrick K	1/16/2020	Major update on RF section due to mix up with P1 build
1.59	Patrick K	1/17/2020	Lots of RF changes
1.60	Patrick K	1/17/2020	Updated WiFi-BT W2 11ax and WiFi-BT W3
1.61	Patrick K	1/30/2020	Rename pre-EVT to P1B. Remove Offline FATP test station (redsig OTA and WiFi OTA)
1.61	Patrick K	2/3/2020	Update Antenna IQC section
1.65	Duncan Z	3/5/2020	Added CG-QT0
1.66	Duncan Z	3/6/2020	<ol style="list-style-type: none"> 1. Moved USBC Test to be after Pre-FACT 2. Added SWDL EDK2 and USBC EDK2
1.69	Duncan Z	3/20/2020	<ol style="list-style-type: none"> 1. Added PreEVT pages 2. Moved USBC stations to be after IMU 3. Added Mesa, PBR CAL and PBR
1.70	Duncan Z	3/20/2020	<ol style="list-style-type: none"> 1. Added MESA DOE
1.71	Patrick K	3/20/2020	Added HSG-Cable IQC station pre-EVT and P1B
1.73	Duncan Z	3/20/2020	<ol style="list-style-type: none"> 1. Moved MESA to be before QT1



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Yield Protection

Version	Updated by	Date	Comments
1.75	Duncan Z	3/28/2020	1. Added USBC-EDK2-DOE
1.77	Duncan Z	4/1/2020	1. Updated IQC page
1.78	Duncan Z	4/8/2020	1. USBC-Throughput-HDCP changed to be DOE
1.79	Duncan Z	4/15/2020	1. Moved PBR Cal to be before Grape Cal
1.80	Duncan Z	4/23/2020	1. Moved PBR Cal to be after Grape Cal
1.81	Duncan Z	5/09/2020	1. Updated CT3 station type to TEST13 2. Removed USBC Throughput_HDCP, SWDL-EDK2
1.84	Duncan Z	5/22/2020	1. Added iSD TEST 2. Enabled NONUI-RESTORE 3. Moved QT1 to be before Mesa
1.85	Duncan Z	6/19/2020	1. Added Impedance_AfterBurn and Impedance
1.92	Duncan Z	7/29/2020	1. Added DVT test flow 2. Removed Pre-FACT, Mesa-DOE
1.93	Duncan Z	8/01/2020	1. Removed USBC-EDK2-DOE, USBC-DOE, USBC-EDK2, PBR-Cal





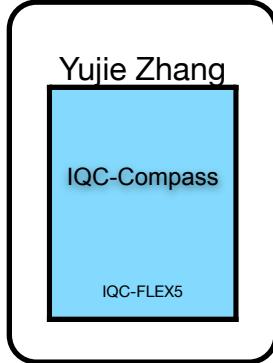
J307/308 Factory Test Flow for DVT



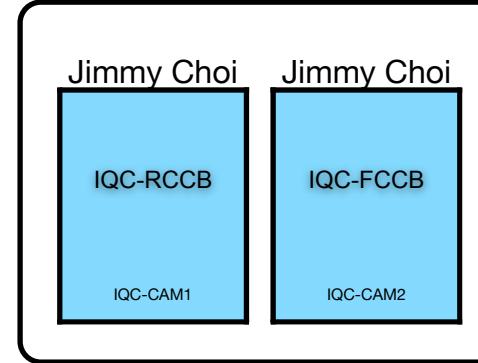
J307/308 IQC Test Line Flow DVT



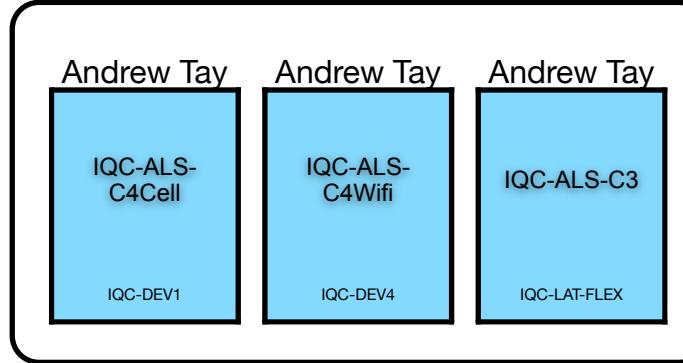
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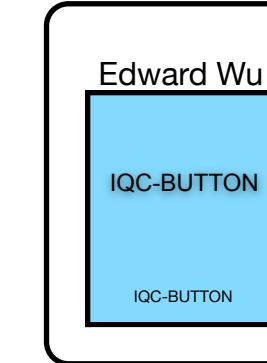
Camera



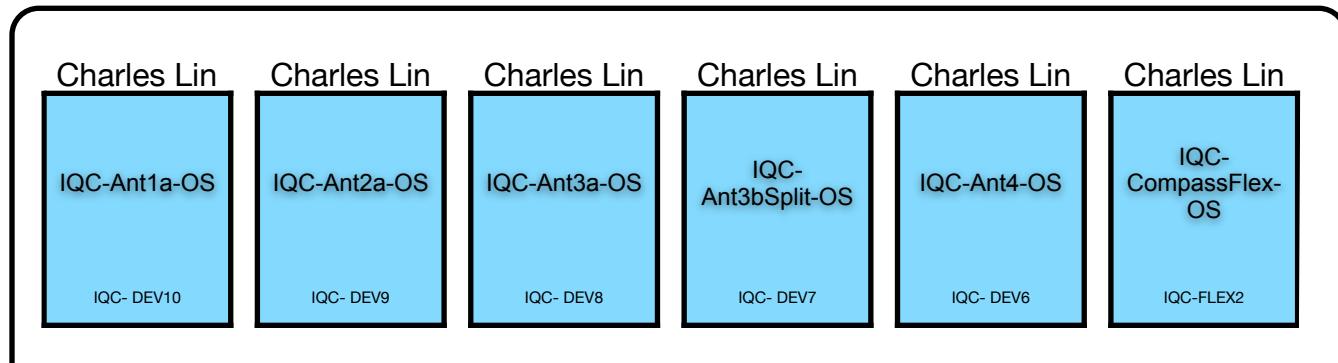
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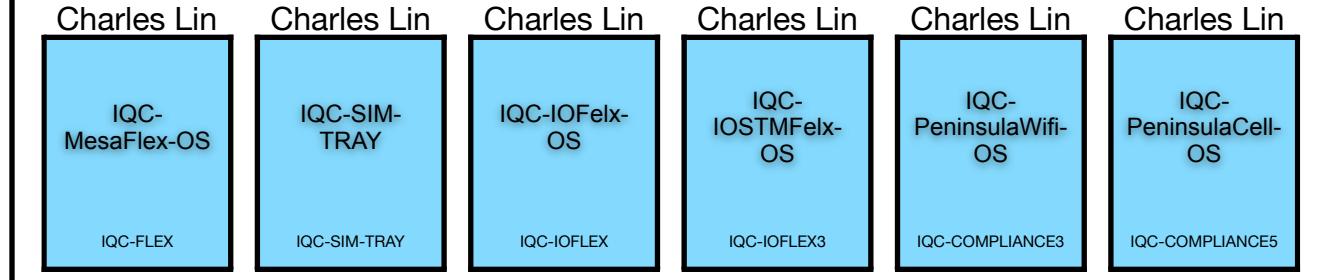
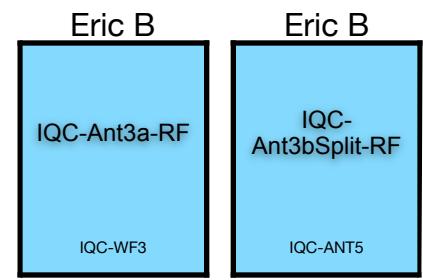
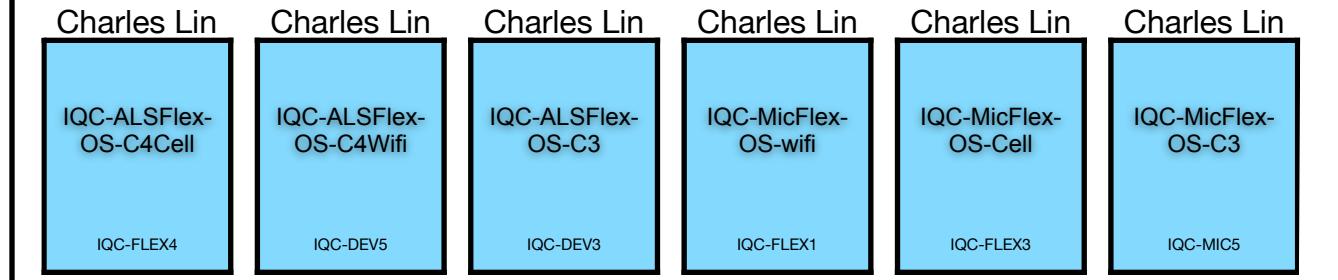
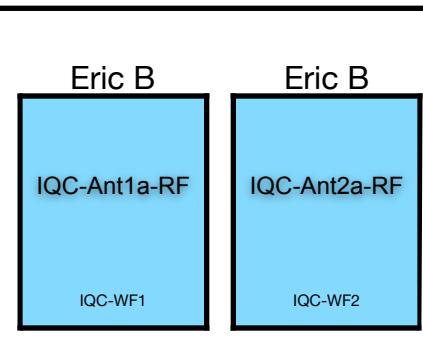
Zion



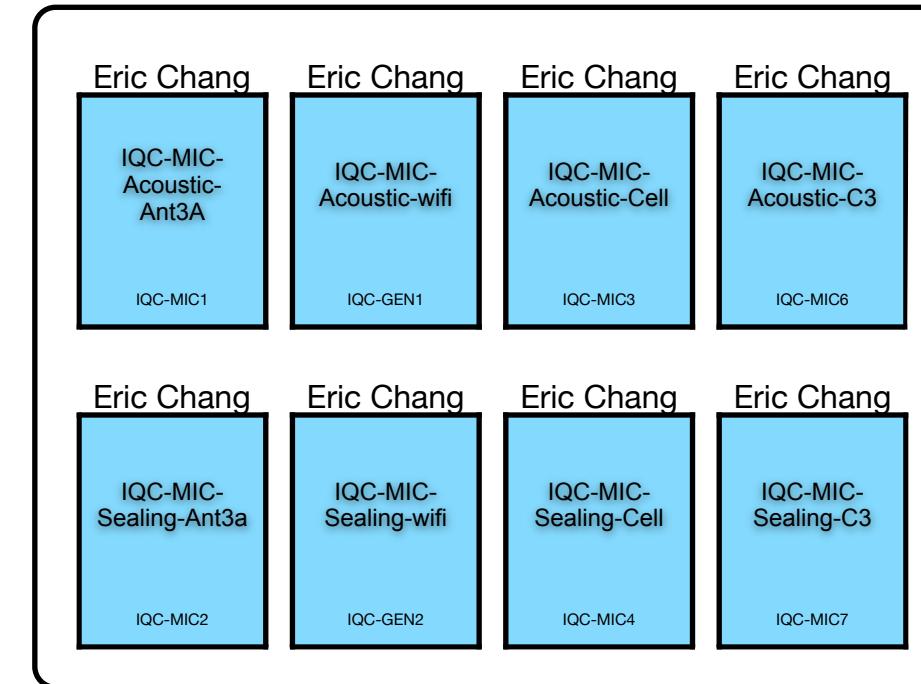
Flexes



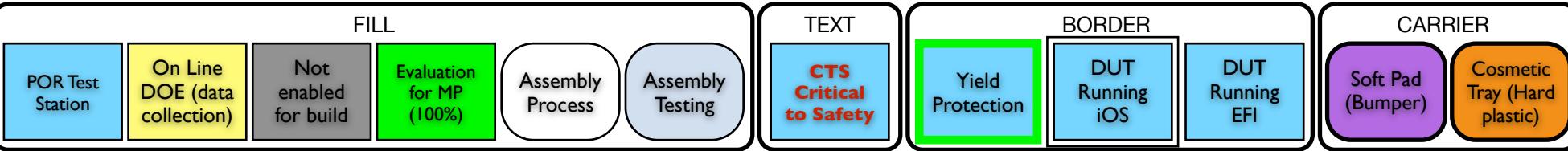
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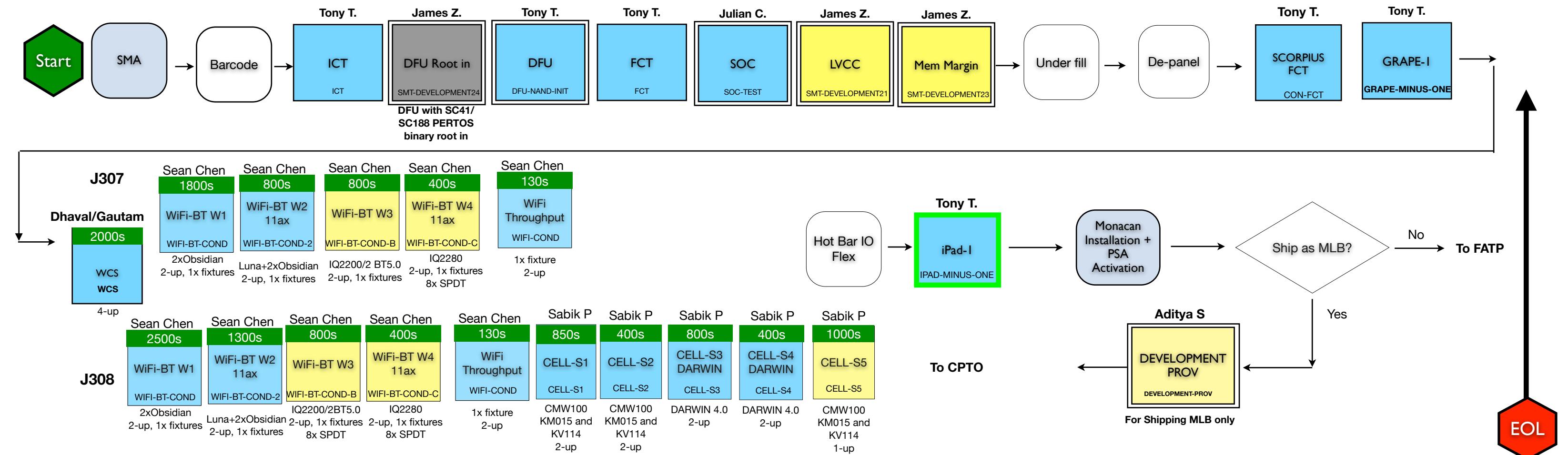
Microphone



SMT J307/308 DVT SMT MLB Test Line Flow



DRI: AP & RF system TDL team



J307/308 MLB RF Test Line Flow-DVT (Offline)

Offline Stations - 100% Utilization

Sean Chen	Naresh Balaji	Naresh Balaji	Naresh Balaji
WIFI CHAR J307 SMT-DEVELOPMENT9	BT CHAR J307 SMT-DEVELOPMENT12	WIFI CHAR J308 SMT-DEVELOPMENT11	BT CHAR J308 SMT-DEVELOPMENT12
J307 only IQ2200/2 1x Station 1-up	J307 only IQ2200/2 with BT5.0 License 1x Station 1-up	J308 only IQ2200/2 1x Station 1-up	J308 only IQ2200/2 with BT5.0 License 1x Station 1-up
Sabik	Sabik	Sabik	Sabik
GSM WCDMA Rx Sens SMT-DEVELOPMENT1	LTE FDD Non CA Rx Sens SMT-DEVELOPMENT2	LTE TDD Rx Sens SMT-DEVELOPMENT3	LTE DLCA Rx Sens SMT-DEVELOPMENT4
CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	CMW100 KV114 1x Station 100% utilization 1-up	CMW100 KV114 1x Station 100% utilization 1-up
Sabik	Sabik	Naresh Balaji	
GSM/WCDMA Tx/ Rx Linearity SMT-DEVELOPMENT5	LTE TX/RX Linearity SMT-DEVELOPMENT6 CMW100/CMW500	WiFi Assoc WIFI-COND	1x fixture 2-up
CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	KV114 1x Station 100% utilization 1-up		

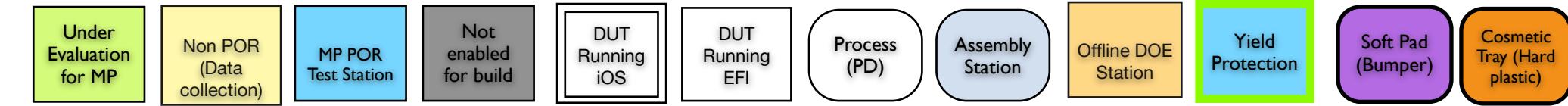
Offline COEX/Reg Stations - 100% Utilization

(to be tested with RF shield lids on)

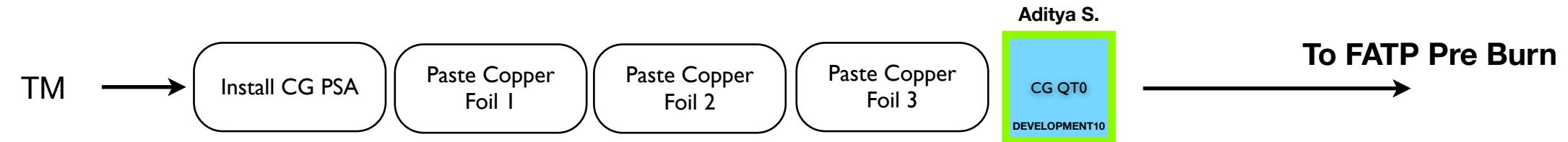
Erick W	Erick W	Laura	Laura	Erick W	Erick W
COEX HARMONICS UAT SMT-COEX1	COEX HARMONICS LAT SMT-COEX2	COEX CELL NON CA SMT-COEX3	COEX CELL CA SMT-COEX4	COEX WIFI 2.4G SMT-COEX5	COEX WIFI 5G SMT-COEX6
FSW13 1x Station 100% Utilization 1-up in 3-up fixture	FSW13 1x Station 100% Utilization 1-up in 3-up fixture	CMW500 6x Stations 100% Utilization 1-up in 3-up fixture	CMW500 4x Stations 100% Utilization 1-up in 3-up fixture	IQ2200 6x Stations 100% Utilization 1-up in 3-up fixture	IQ2200 4x Stations 100% Utilization 1-up in 3-up fixture
Erick W	Erick W	Shruti			
COEX WIFI ORSSI SMT-COEX7	COEX WIFI-BT-ISO SMT-COEX8	COEX GPS CELL-GPS SMT-COEX9			
IQ2200 4x Station 100% Utilization 1-up in 3-up fixture	IQ2200 2x Station 100% Utilization 1-up in 3-up fixture	CMW500 Cfg 33 4x Stations 100% Utilization 1-up in 3-up fixture			
Suhas K					
WIFI BT HARMONIC SMT-DEVELOPMENT19					
FSW26 4x Stations 100% Utilization 4-up					



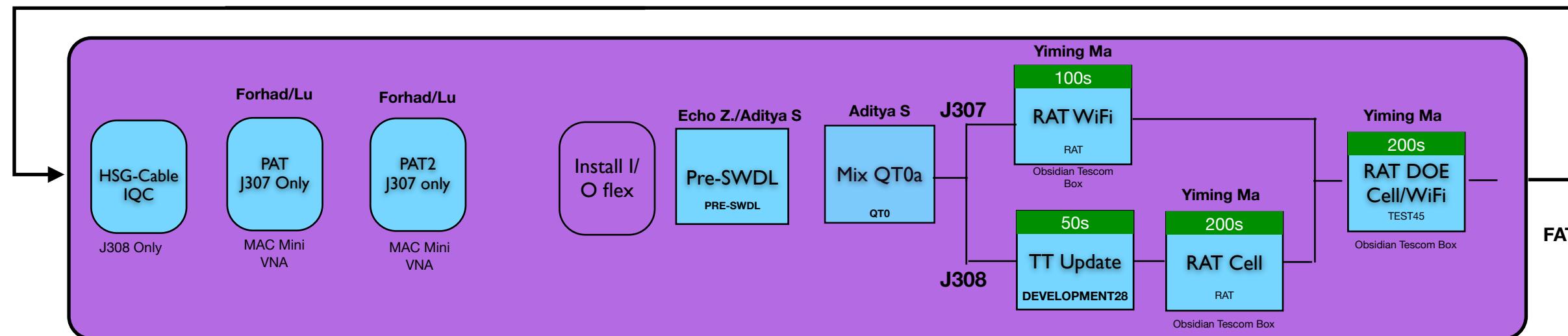
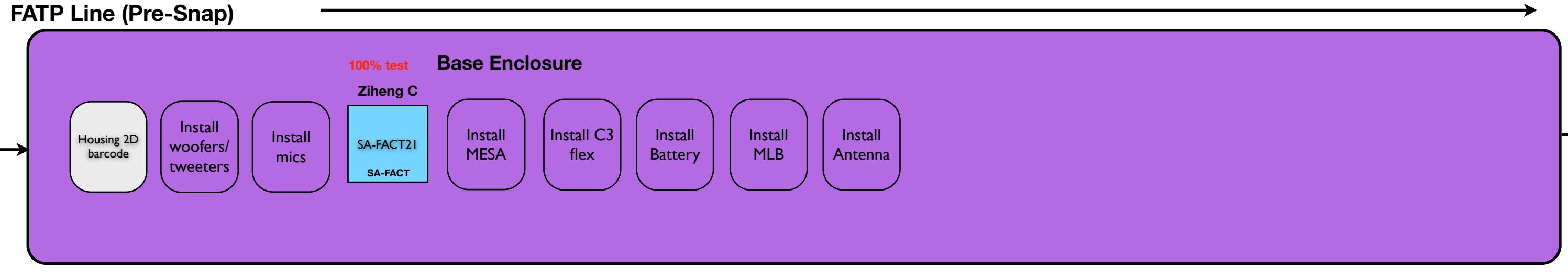
J307/308 DVT Sub-line Test Line Flow



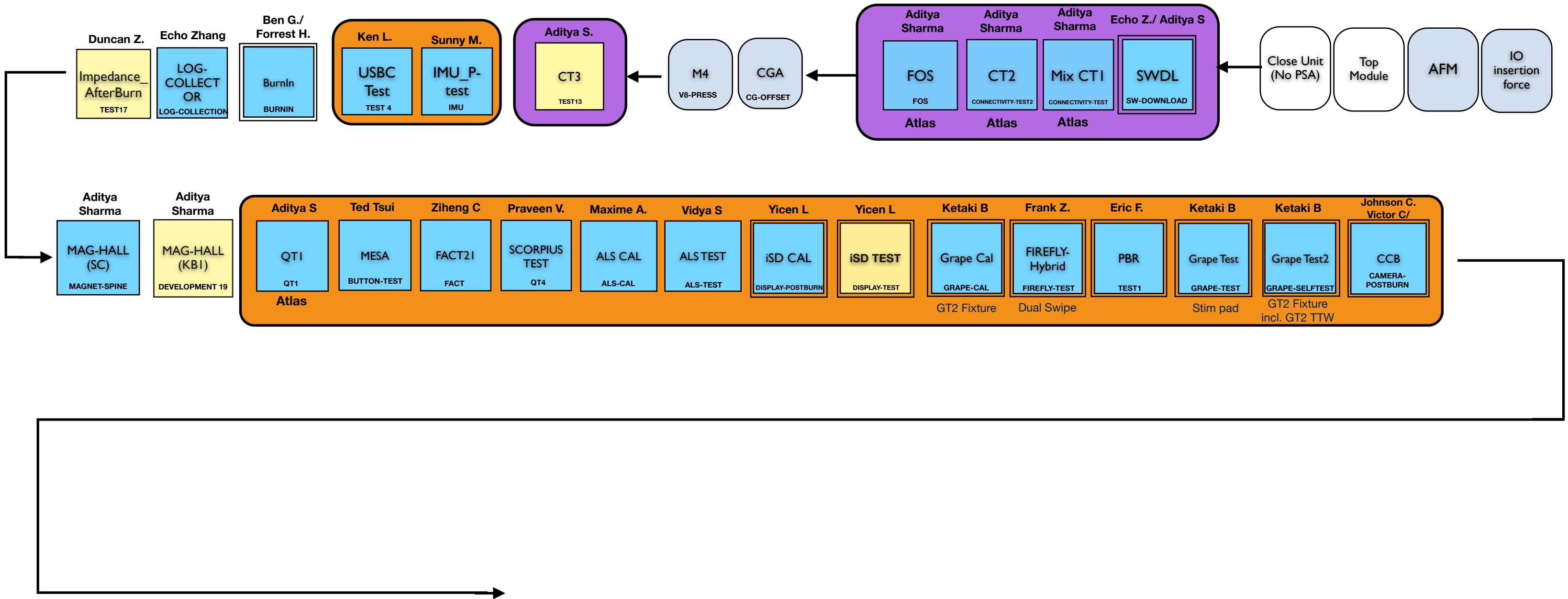
Top Module Sub line



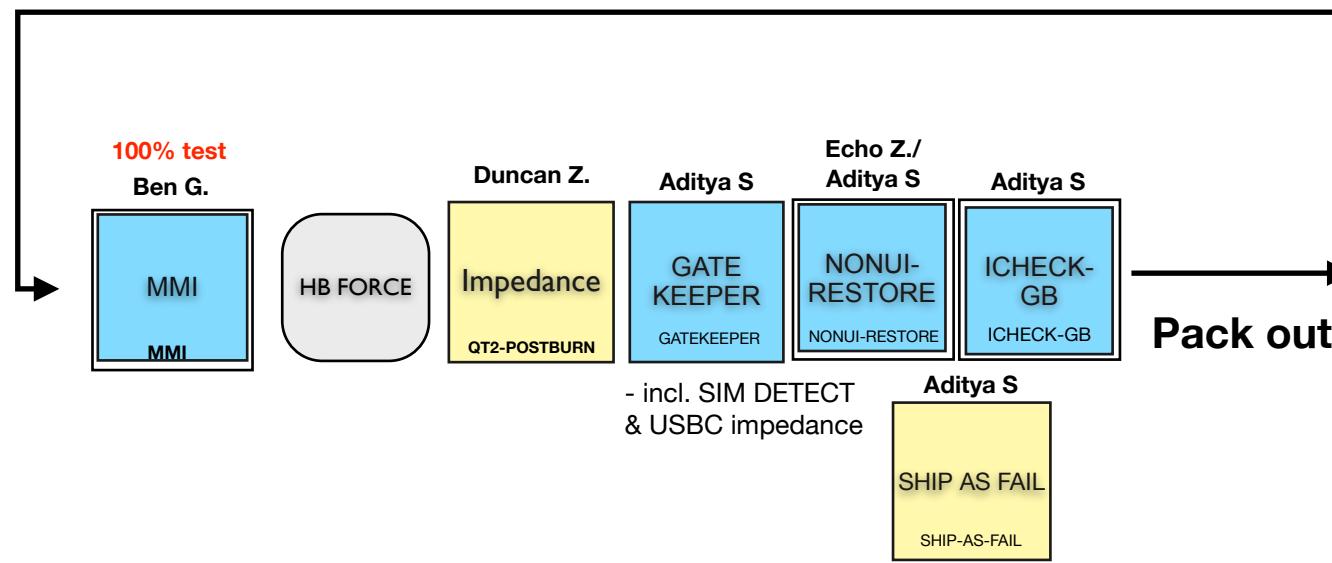
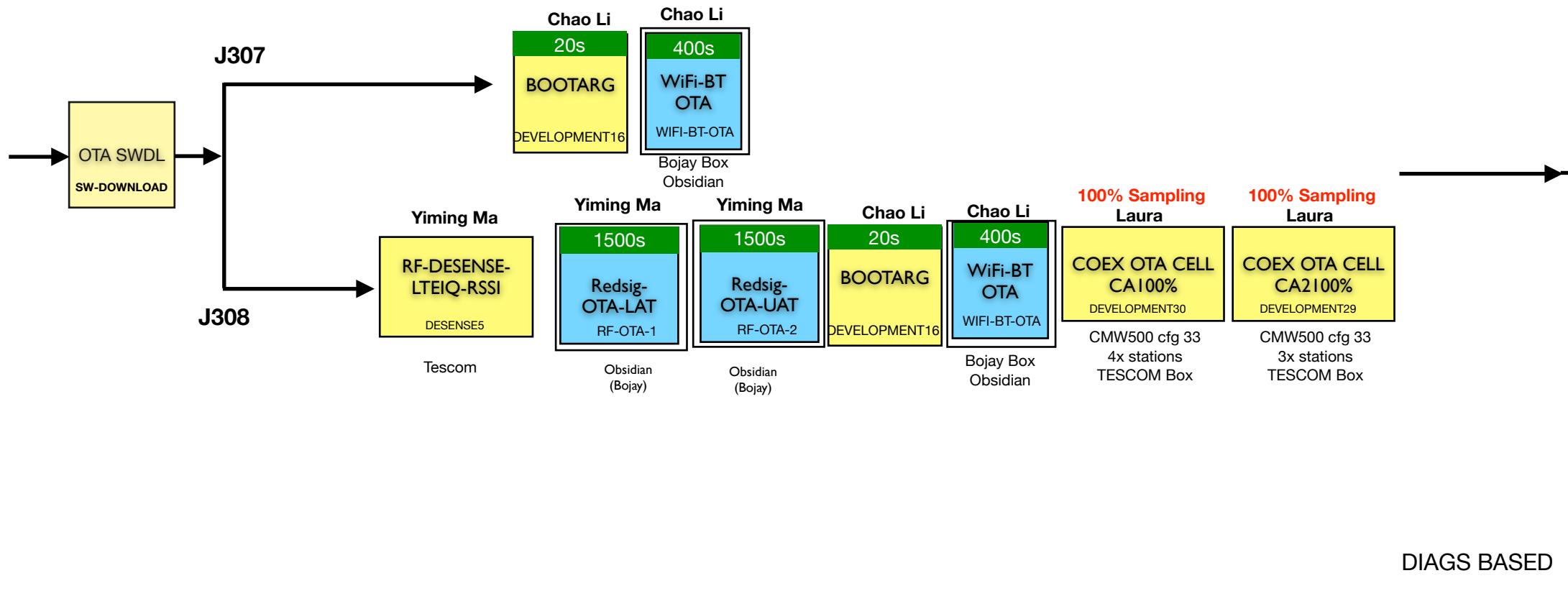
FATP Line (Pre-Snap)



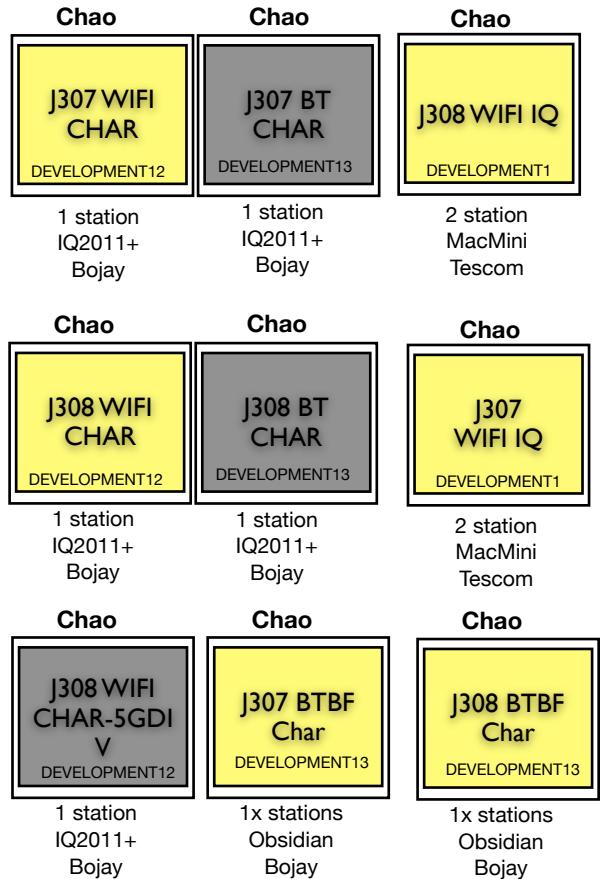
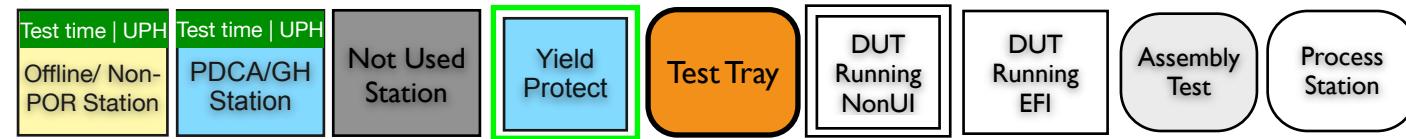
J307/308 DVT FATP Test Line Flow



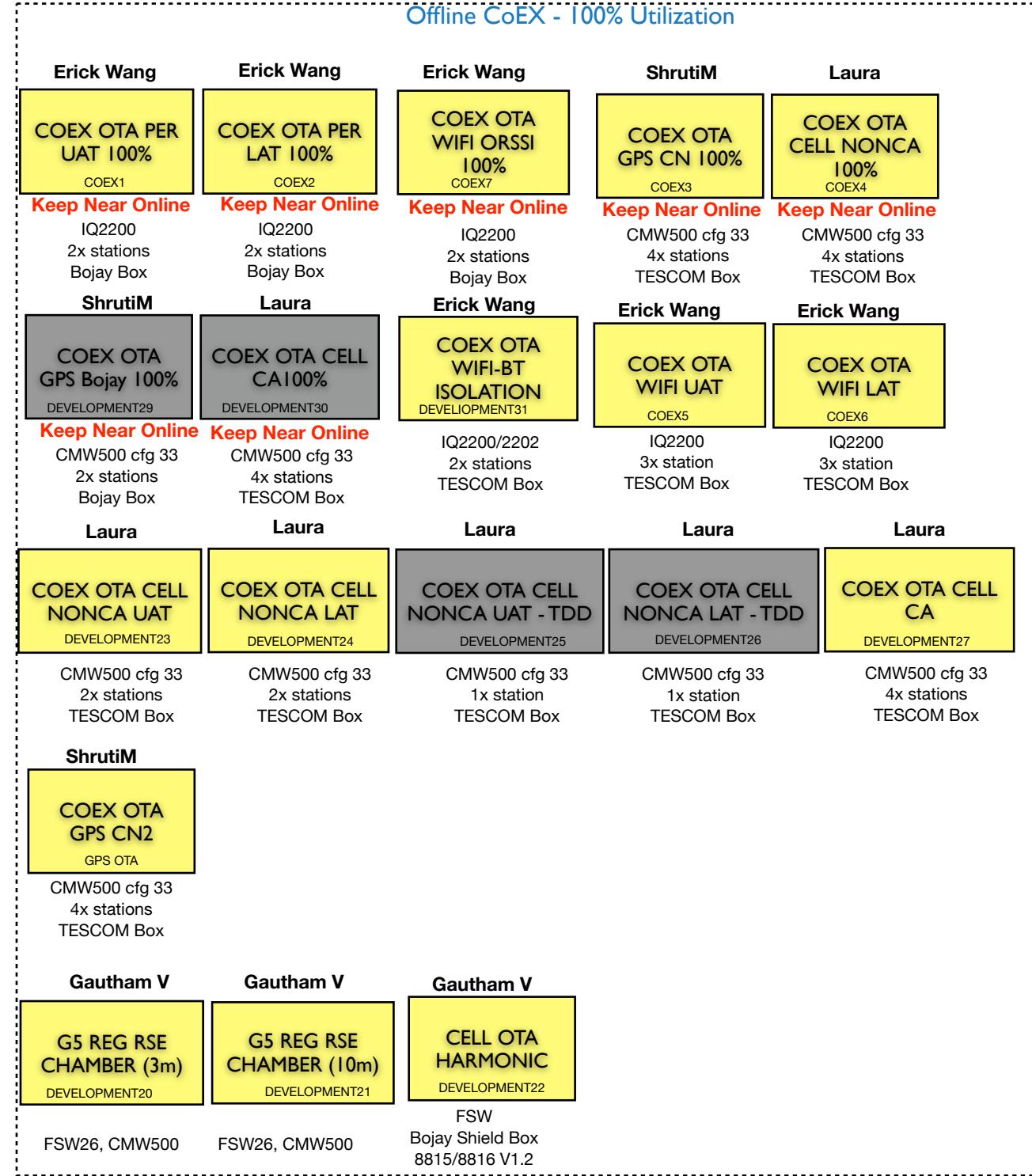
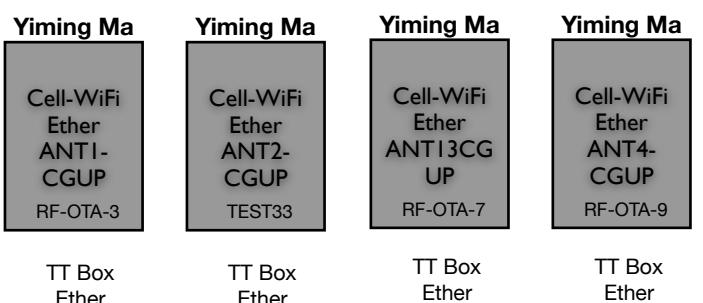
J307/308 DVT Test Line Flow



J307/J308 DVT FATP RF Offline Stations



100% Utilization - Need unit before they hit OTA station



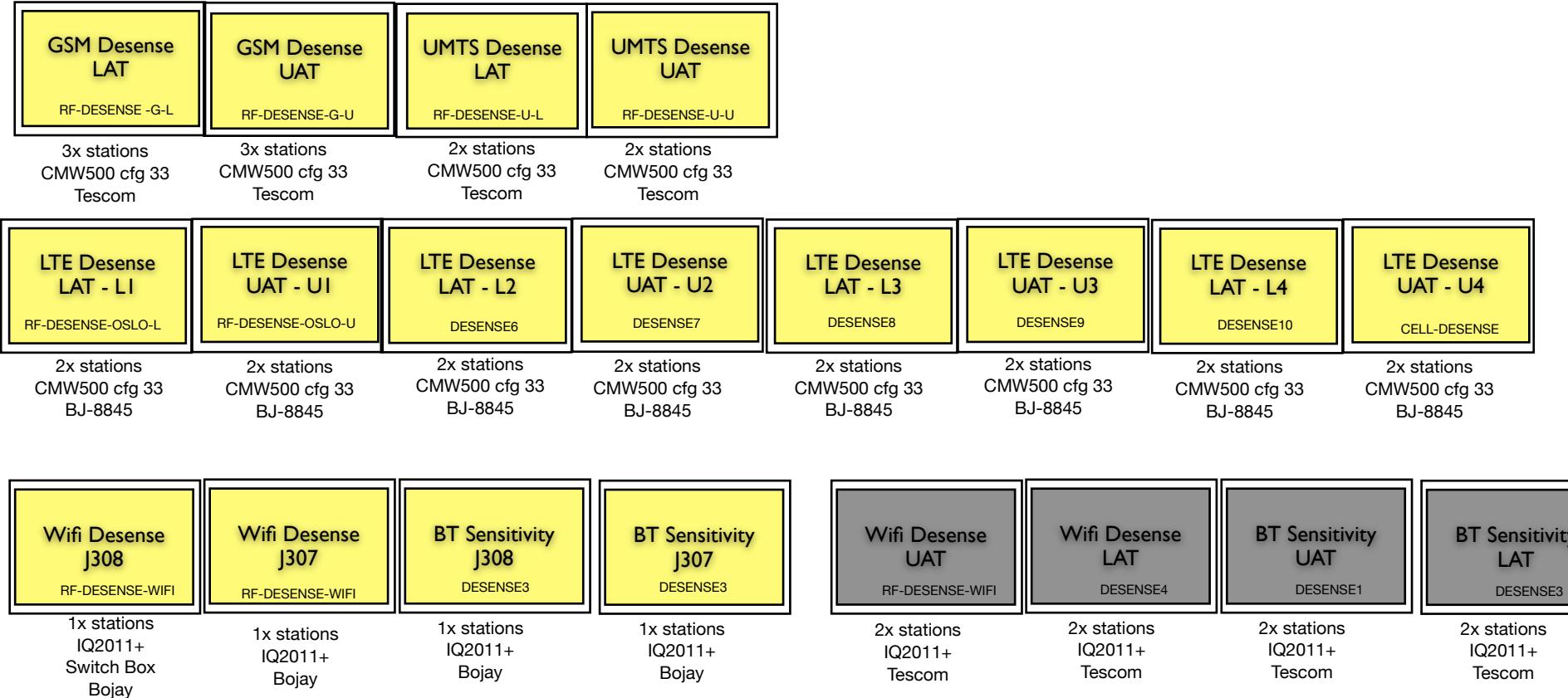
J307/308 FATP RF Offline Stations - DVT



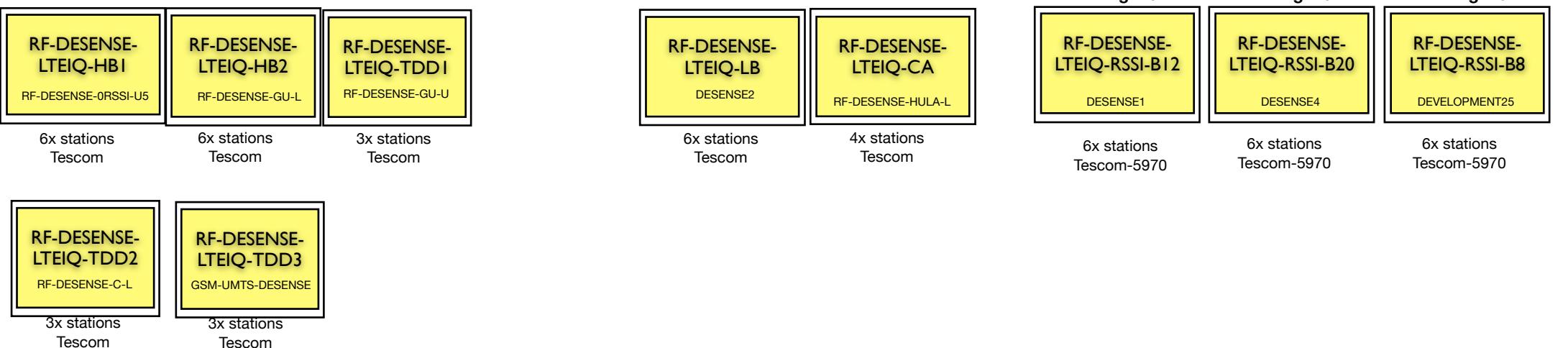
Offline Desense- 100% Utilization - Target unit quantity 30% to 40%

DRI: Nick Doan

Desense Sensitivity Search

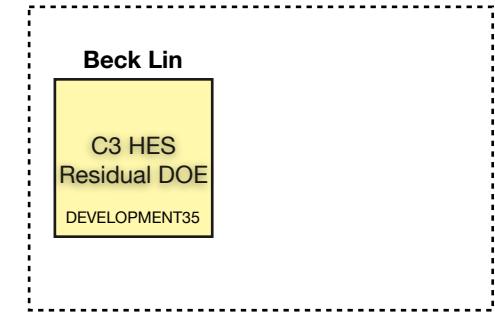
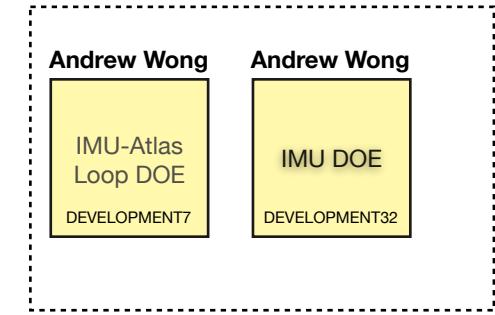
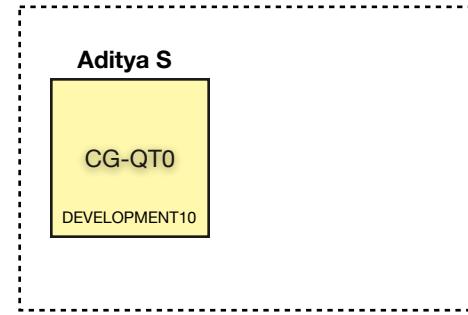
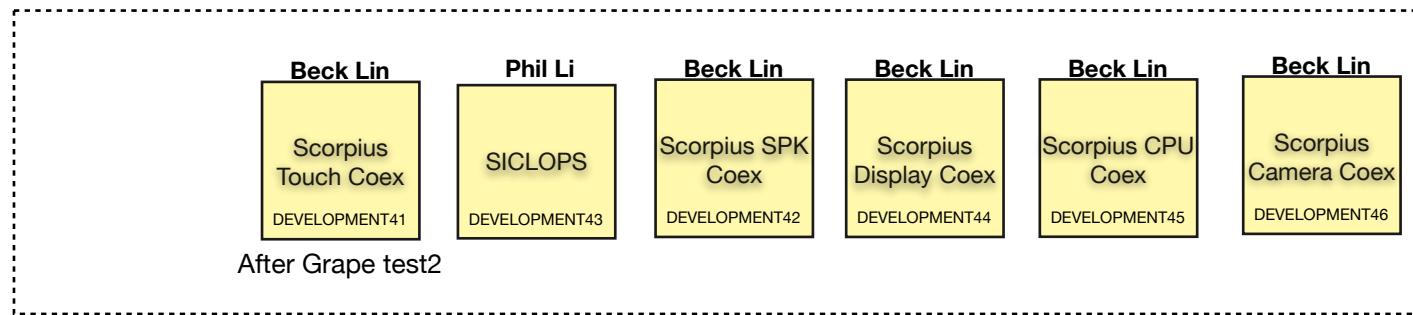
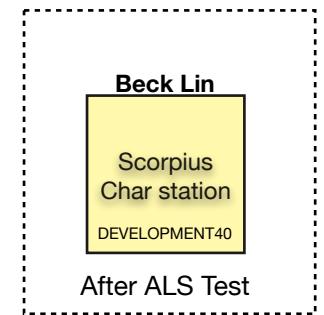
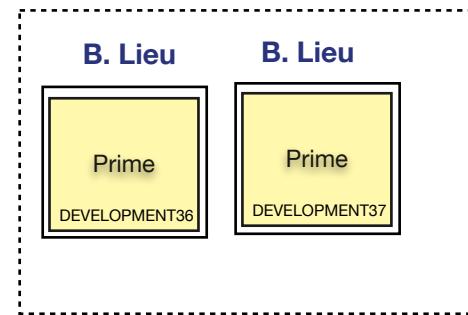


Desense LTEIQ/ Zero RSSI



J307/308 DVT FATP Test Line Flow-Offline Station

Online DOE
Station





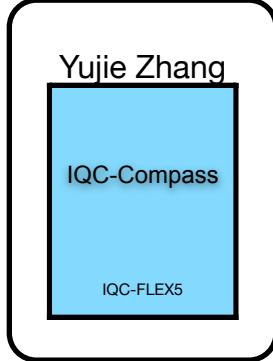
J307/308 Factory Test Flow for EVT



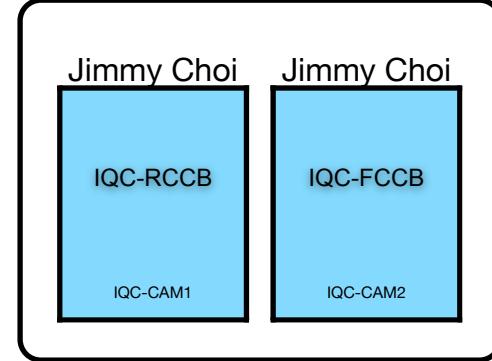
J307/308 IQC Test Line Flow EVT



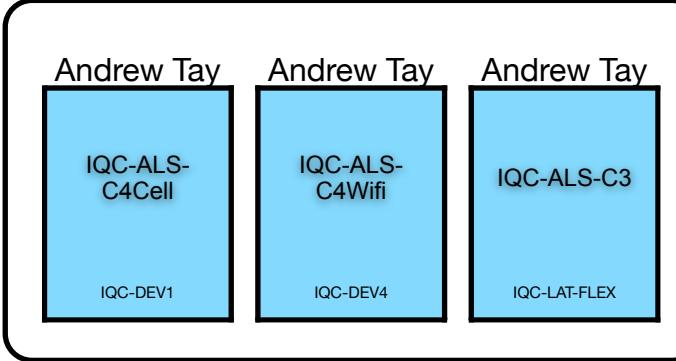
Compass



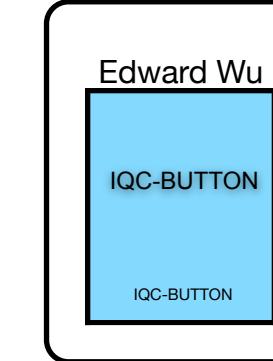
Camera



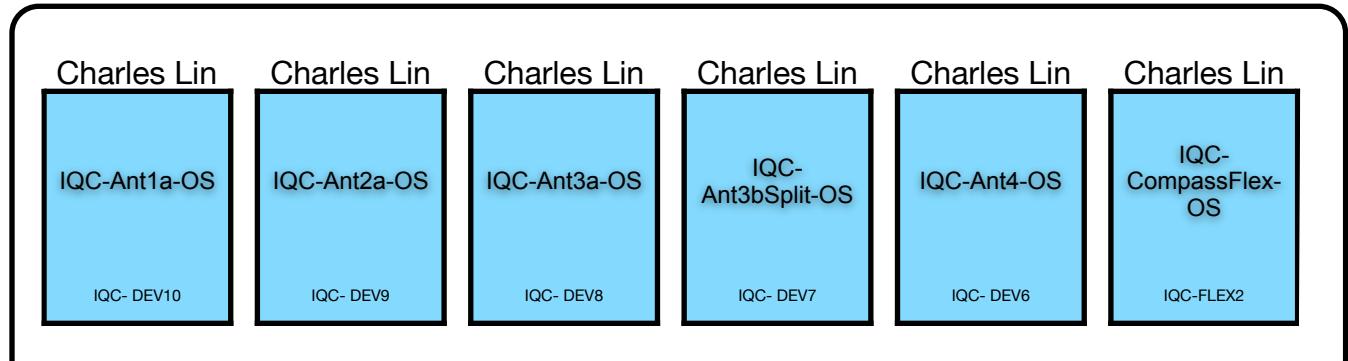
ALS



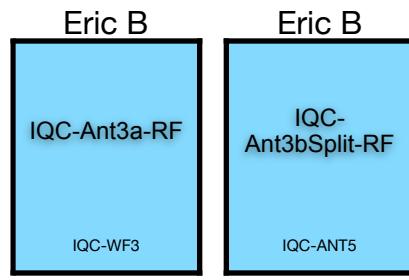
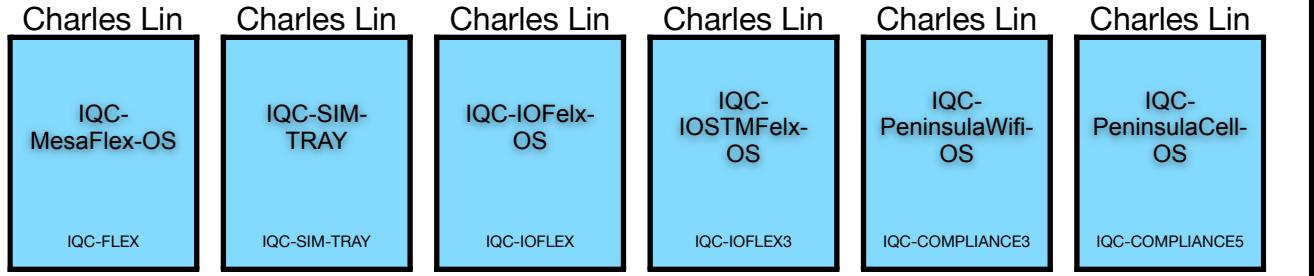
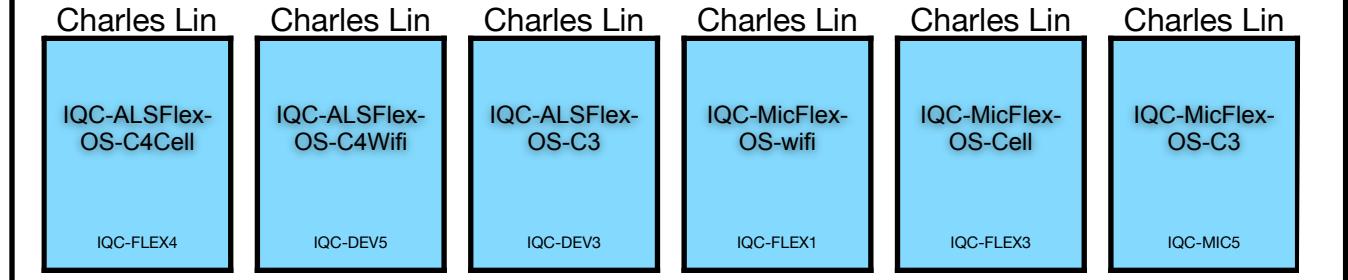
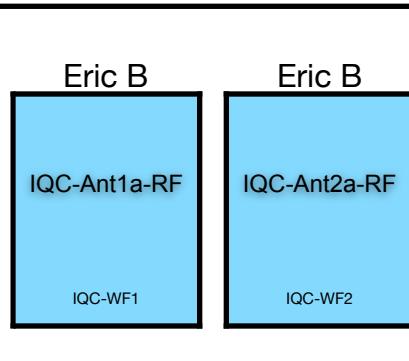
Zion



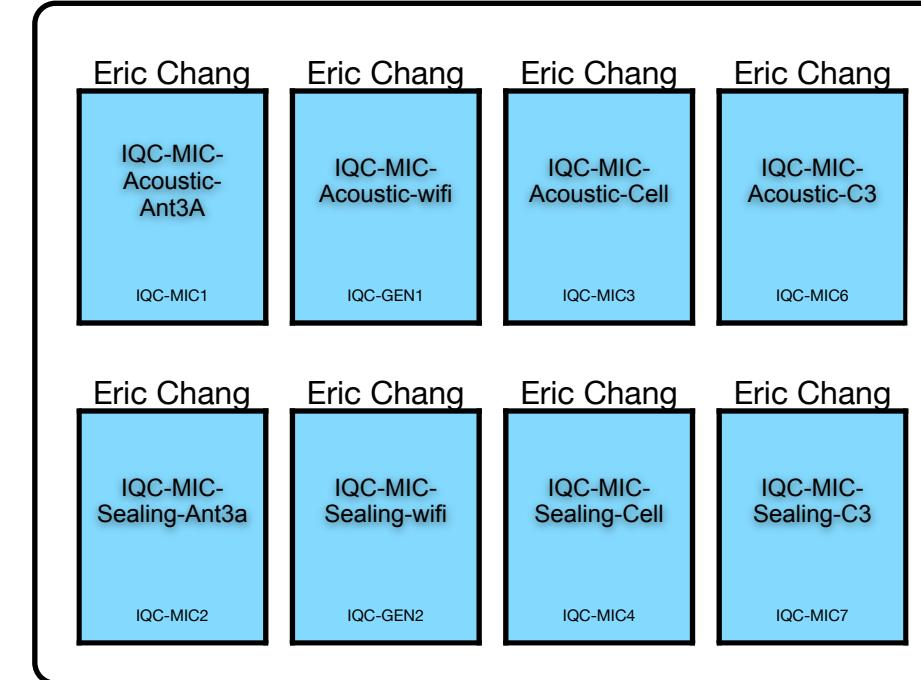
Flexes



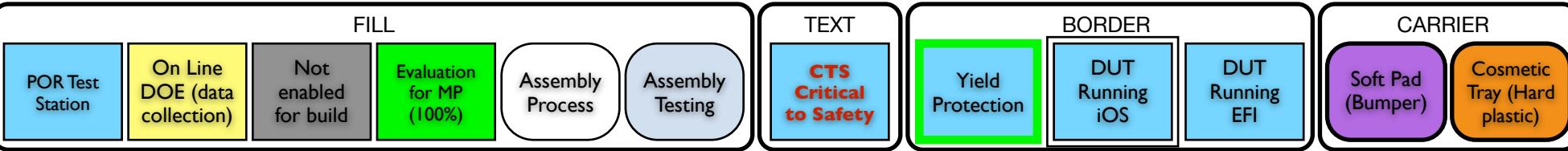
Antenna



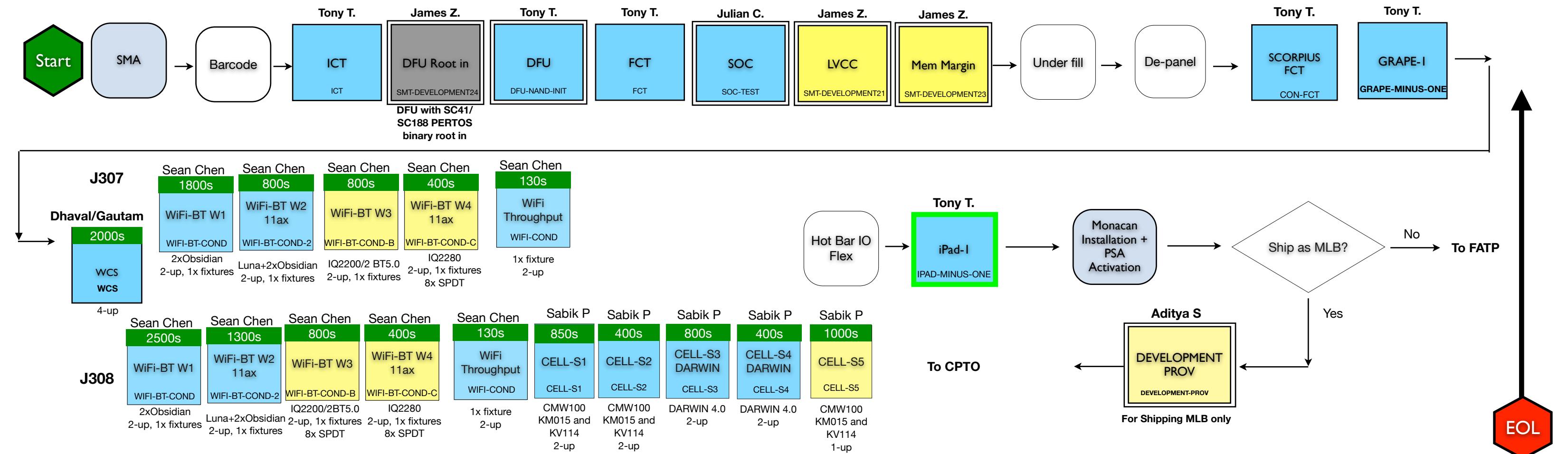
Microphone



SMT J307/308 EVT SMT MLB Test Line Flow



DRI: AP & RF system TDL team



J307/308 MLB RF Test Line Flow-EVT (Offline)

Offline Stations - 100% Utilization

Sean Chen	Naresh Balaji	Naresh Balaji	Naresh Balaji
WIFI CHAR J307 SMT-DEVELOPMENT9	BT CHAR J307 SMT-DEVELOPMENT12	WIFI CHAR J308 SMT-DEVELOPMENT11	BT CHAR J308 SMT-DEVELOPMENT12
J307 only IQ2200/2 1x Station 1-up	J307 only IQ2200/2 with BT5.0 License 1x Station 1-up	J308 only IQ2200/2 1x Station 1-up	J308 only IQ2200/2 with BT5.0 License 1x Station 1-up
Sabik	Sabik	Sabik	Sabik
GSM WCDMA Rx Sens SMT-DEVELOPMENT1	LTE FDD Non CA Rx Sens SMT-DEVELOPMENT2	LTE TDD Rx Sens SMT-DEVELOPMENT3	LTE DLCA Rx Sens SMT-DEVELOPMENT4
CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	CMW100 KV114 1x Station 100% utilization 1-up	CMW100 KV114 1x Station 100% utilization 1-up
Sabik	Sabik	Naresh Balaji	
GSM/WCDMA Tx/ Rx Linearity SMT-DEVELOPMENT5	LTE TX/RX Linearity SMT-DEVELOPMENT6 CMW100/CMW500	WiFi Assoc WIFI-COND	1x fixture 2-up
CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	KV114 1x Station 100% utilization 1-up		

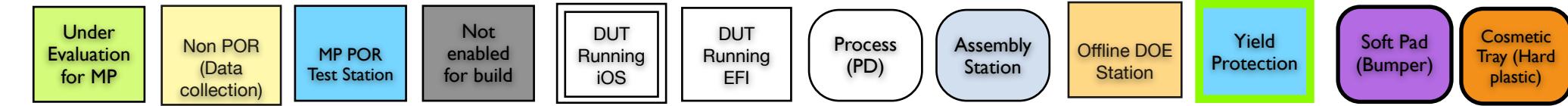
Offline COEX/Reg Stations - 100% Utilization

(to be tested with RF shield lids on)

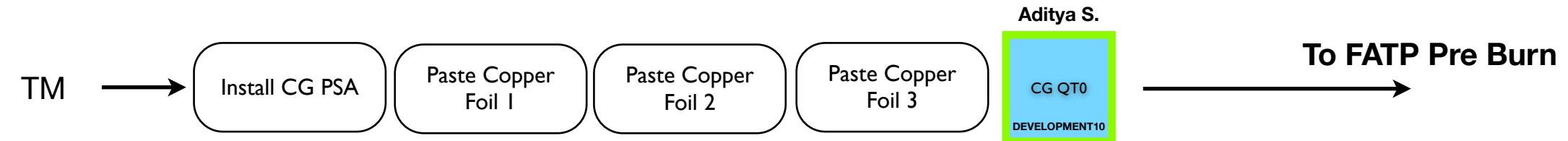
Erick W	Erick W	Laura	Laura	Erick W	Erick W
COEX HARMONICS UAT SMT-COEX1	COEX HARMONICS LAT SMT-COEX2	COEX CELL NON CA SMT-COEX3	COEX CELL CA SMT-COEX4	COEX WIFI 2.4G SMT-COEX5	COEX WIFI 5G SMT-COEX6
FSW13 1x Station 100% Utilization 1-up in 3-up fixture	FSW13 1x Station 100% Utilization 1-up in 3-up fixture	CMW500 6x Stations 100% Utilization 1-up in 3-up fixture	CMW500 4x Stations 100% Utilization 1-up in 3-up fixture	IQ2200 6x Stations 100% Utilization 1-up in 3-up fixture	IQ2200 4x Stations 100% Utilization 1-up in 3-up fixture
Erick W	Erick W	Shruti			
COEX WIFI ORSSI SMT-COEX7	COEX WIFI-BT-ISO SMT-COEX8	COEX GPS CELL-GPS SMT-COEX9			
IQ2200 4x Station 100% Utilization 1-up in 3-up fixture	IQ2200 2x Station 100% Utilization 1-up in 3-up fixture	CMW500 Cfg 33 4x Stations 100% Utilization 1-up in 3-up fixture			
Suhas K					
WIFI BT HARMONIC SMT-DEVELOPMENT19					
FSW26 4x Stations 100% Utilization 4-up					



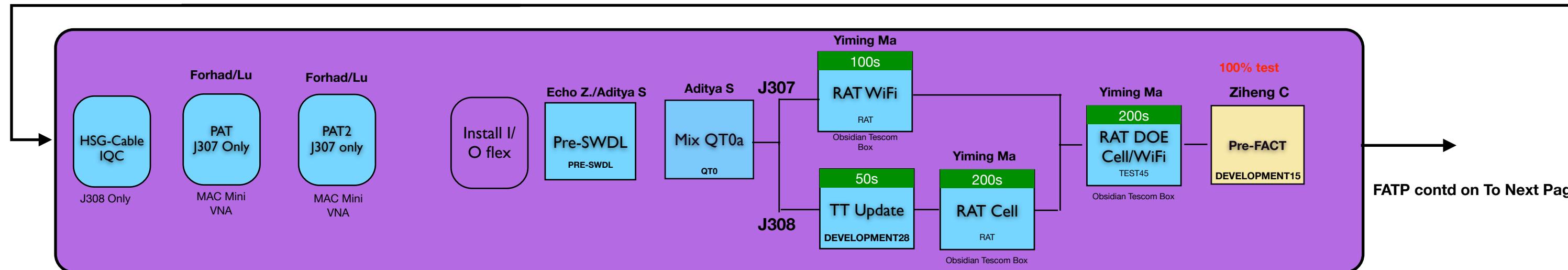
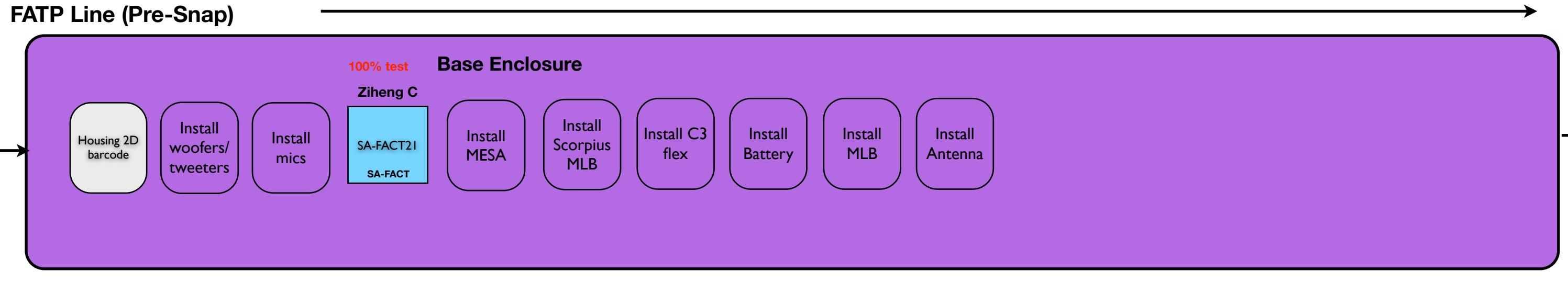
J307/308 EVT Sub-line Test Line Flow



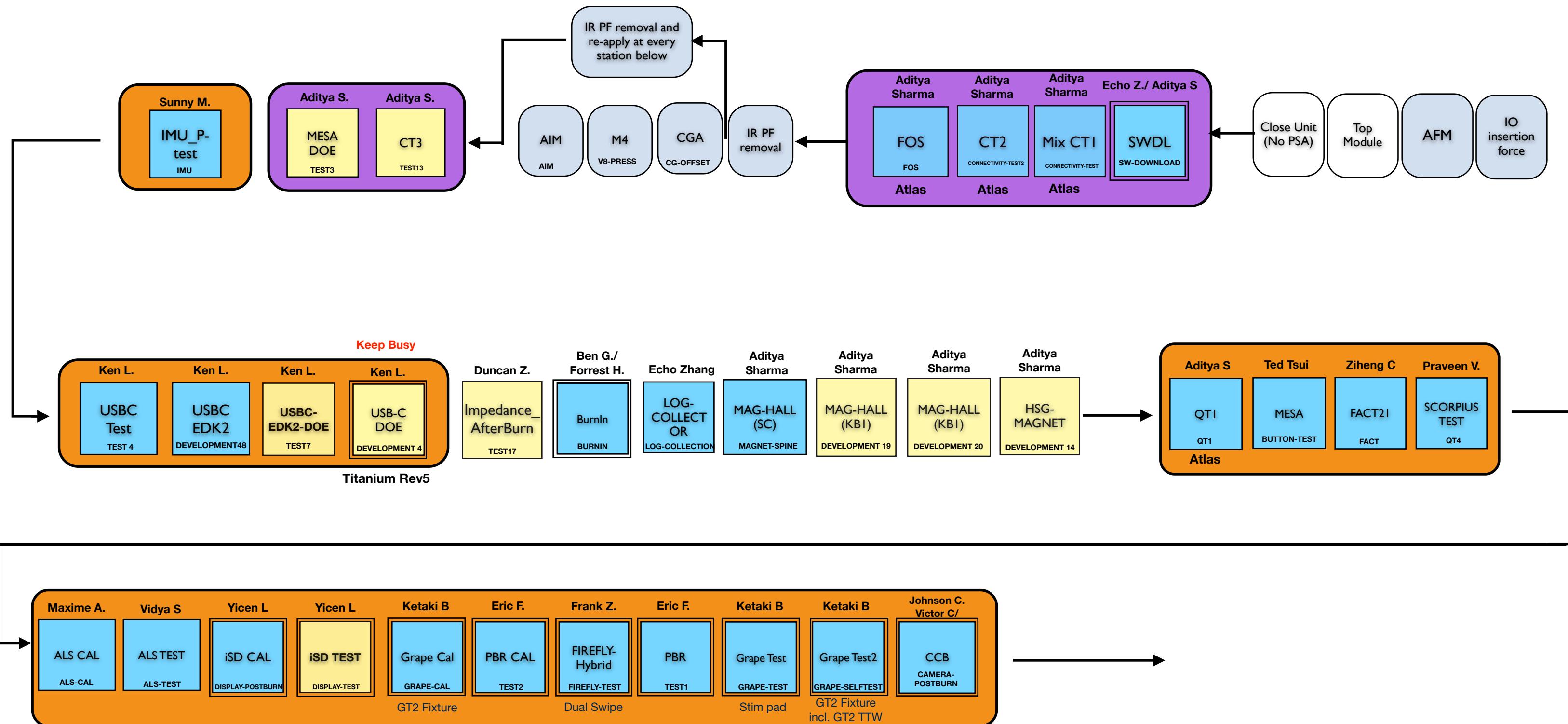
Top Module Sub line



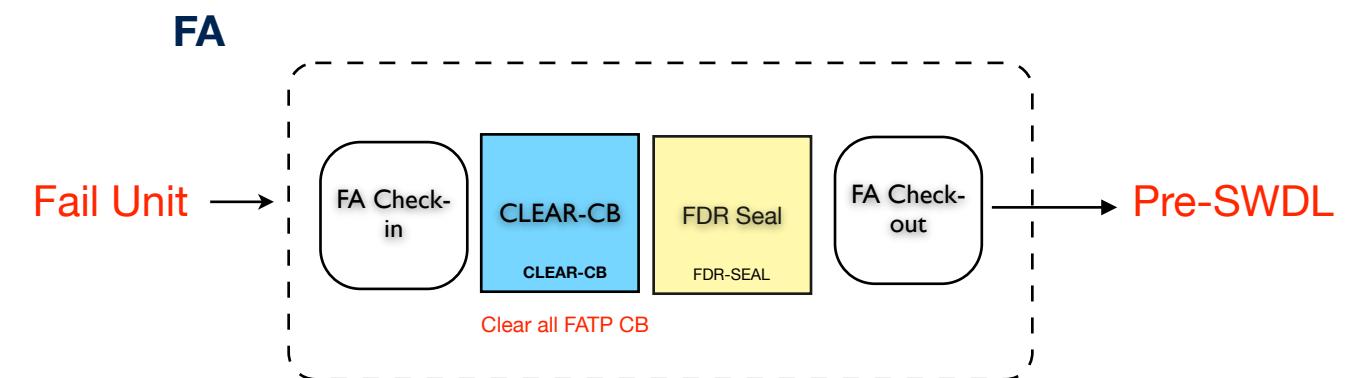
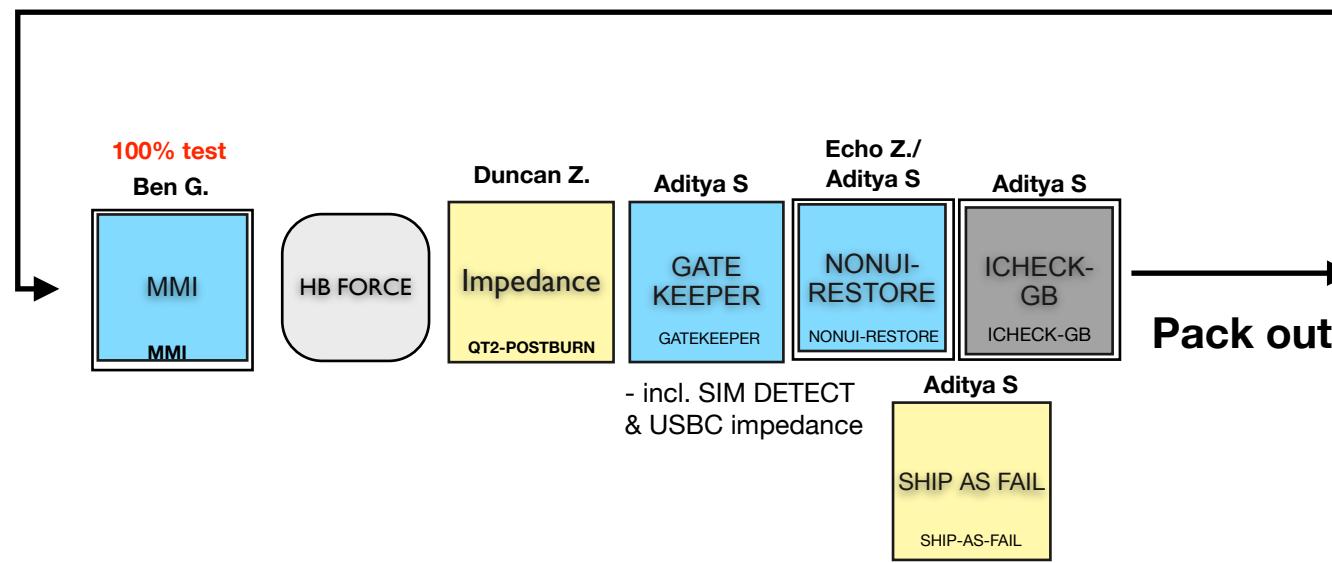
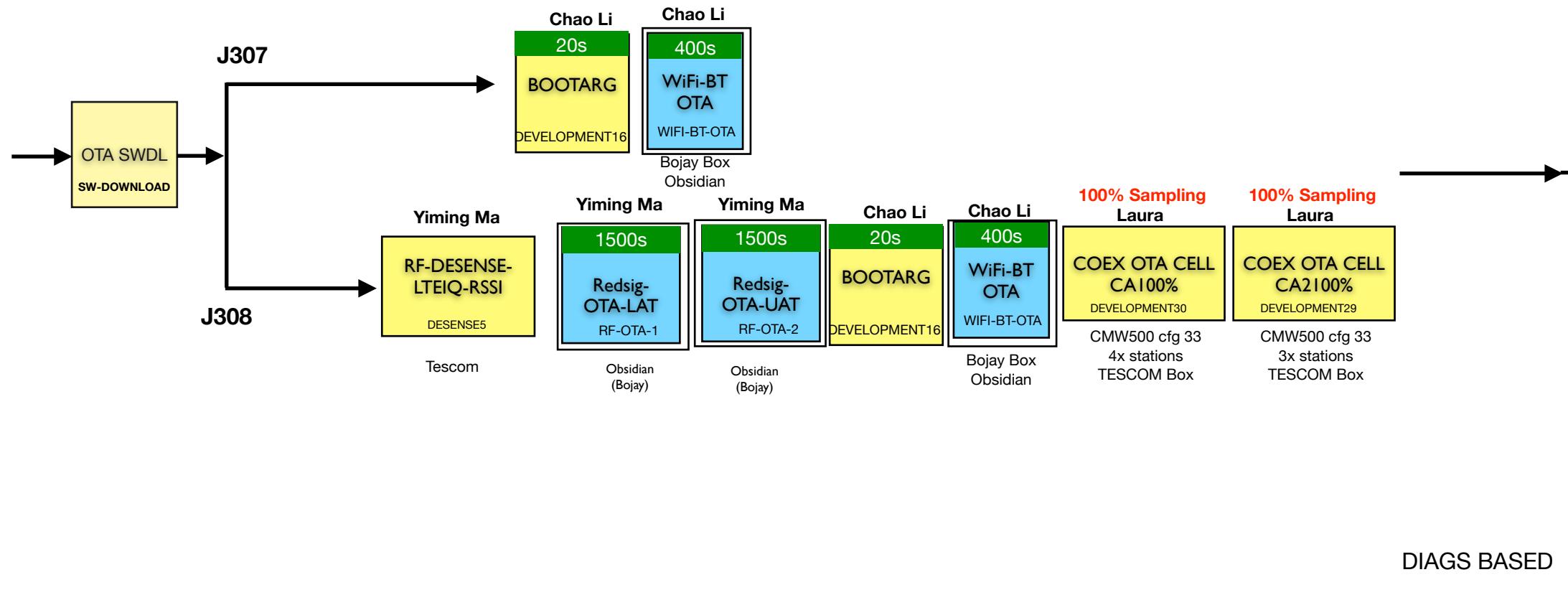
FATP Line (Pre-Snap)



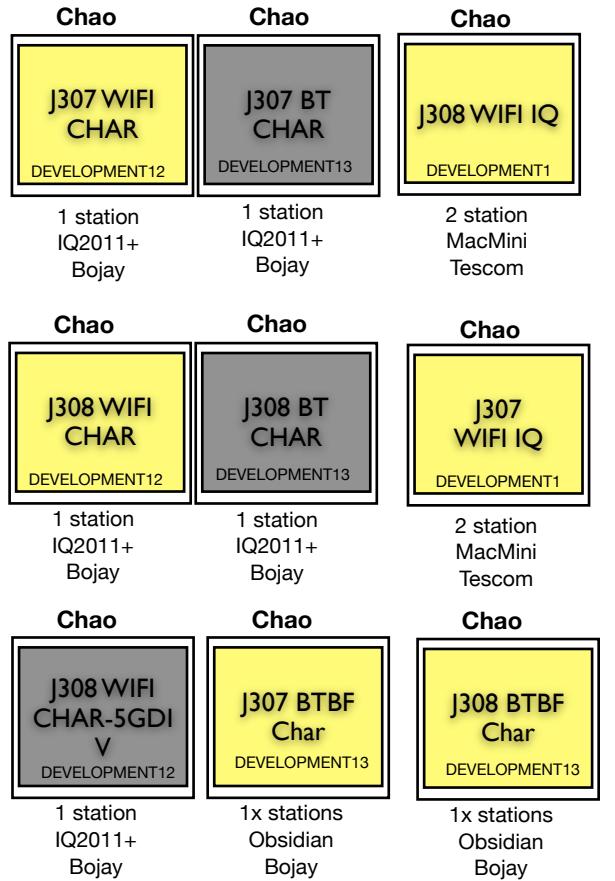
J307/308 EVT FATP Test Line Flow



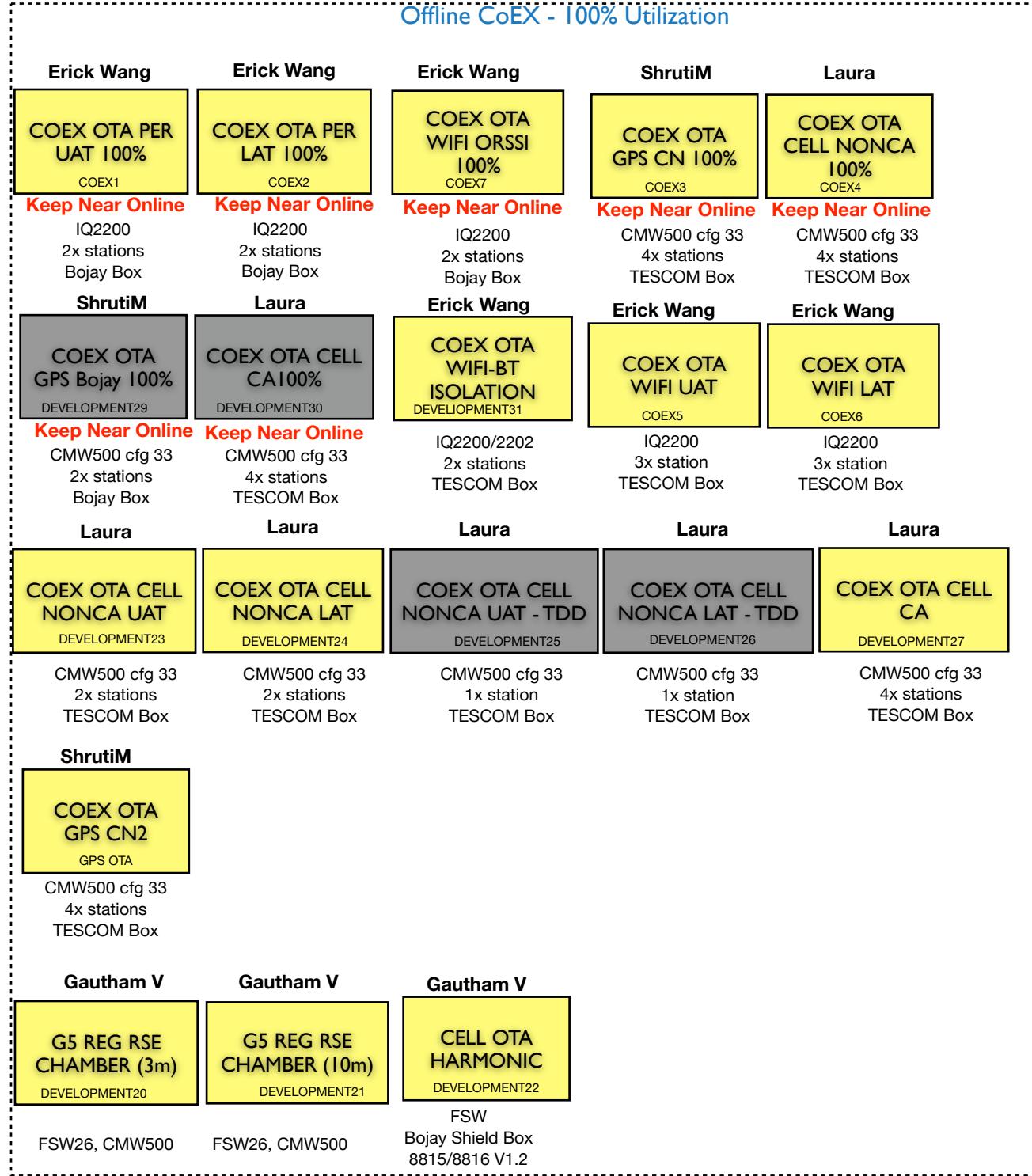
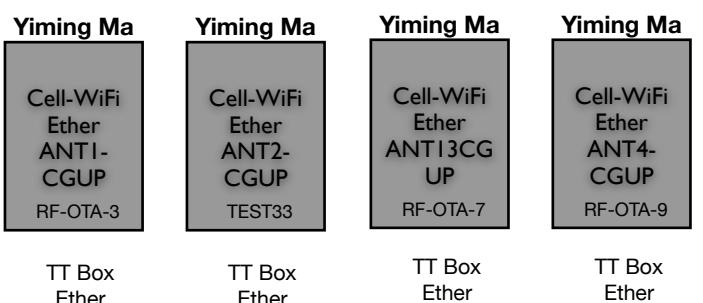
J307/308 EVT Test Line Flow



J307/J308 EVT FATP RF Offline Stations



100% Utilization - Need unit before they hit OTA station



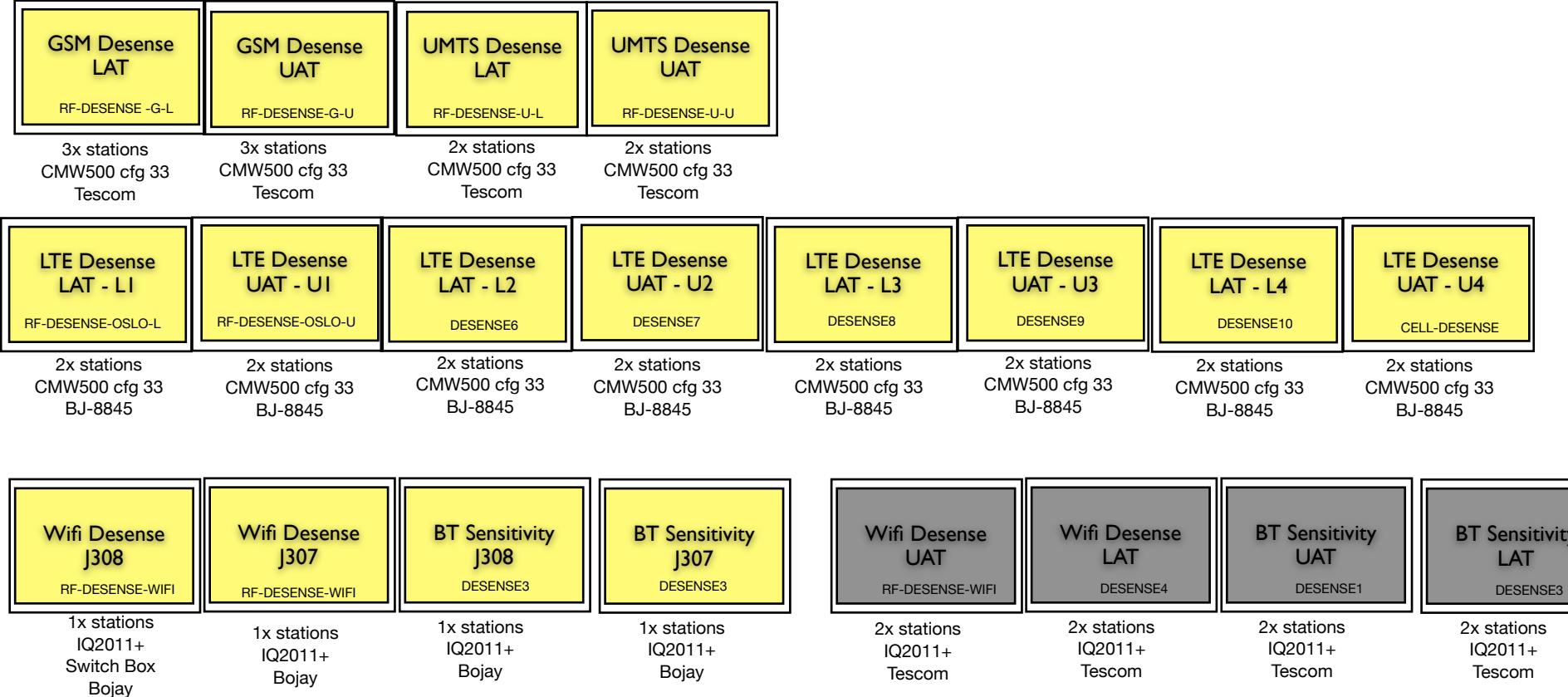
J307/308 FATP RF Offline Stations - EVT



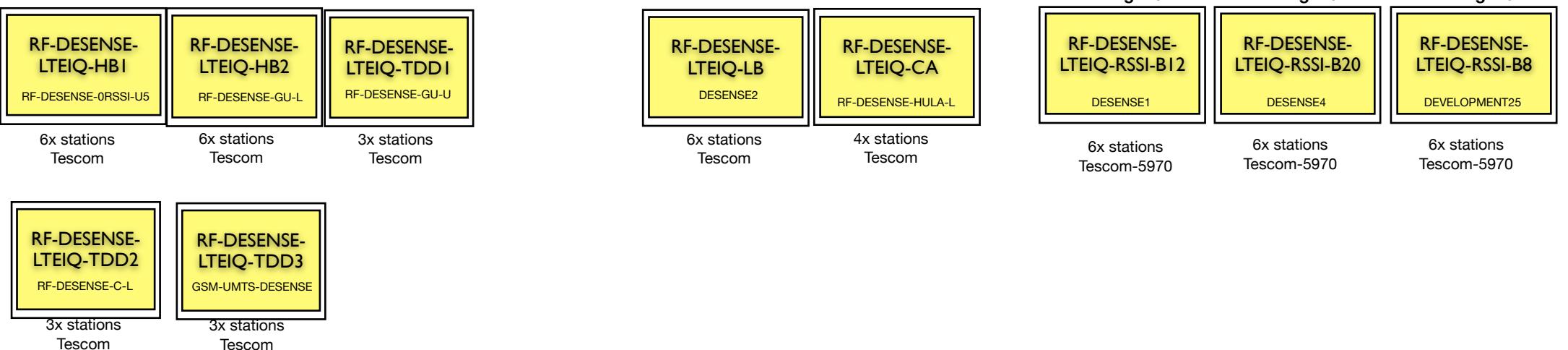
Offline Desense- 100% Utilization - Target unit quantity 30% to 40%

DRI: Nick Doan

Desense Sensitivity Search

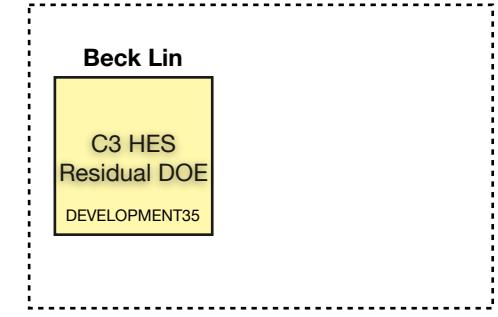
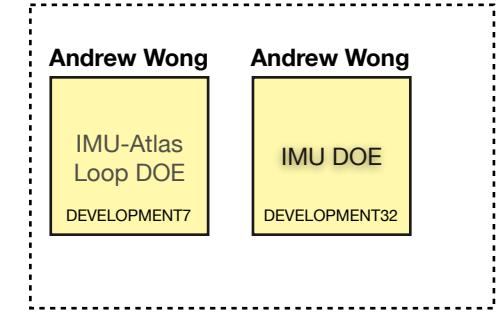
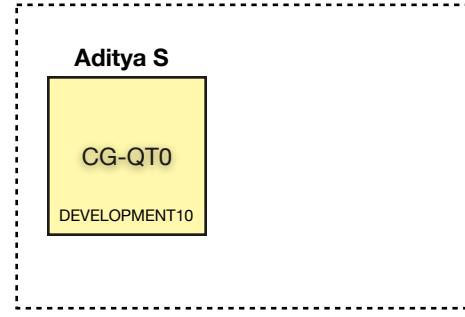
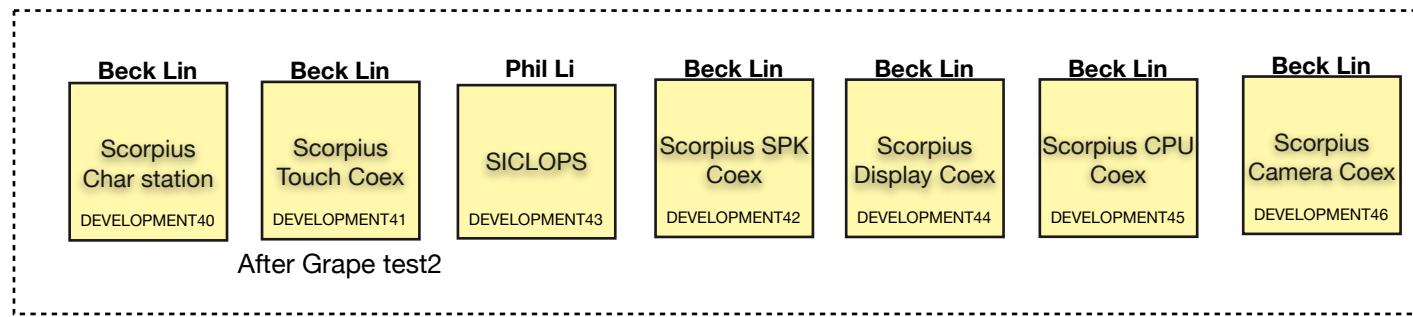
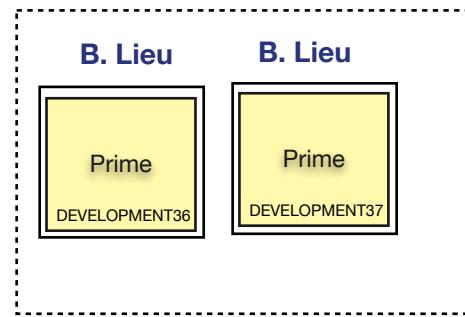


Desense LTEIQ/ Zero RSSI



J307/308 EVT FATP Test Line Flow-Offline Station

Online DOE
Station





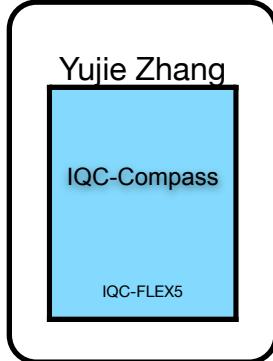
J307/308 Factory Test Flow for PreEVT



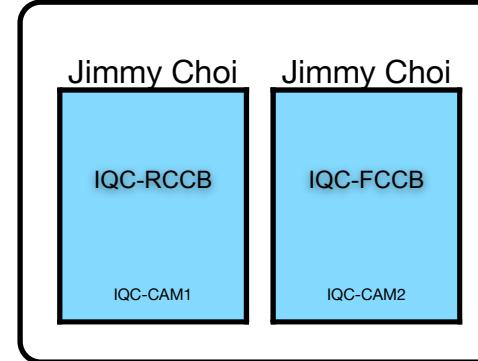
J307/308 IQC Test Line Flow pre-EVT



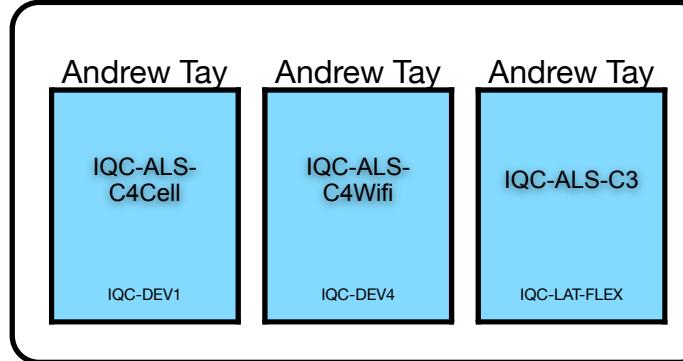
Compass



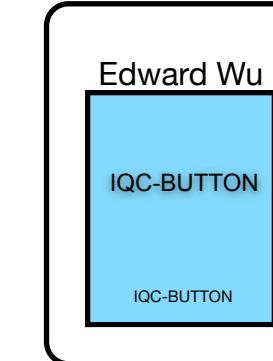
Camera



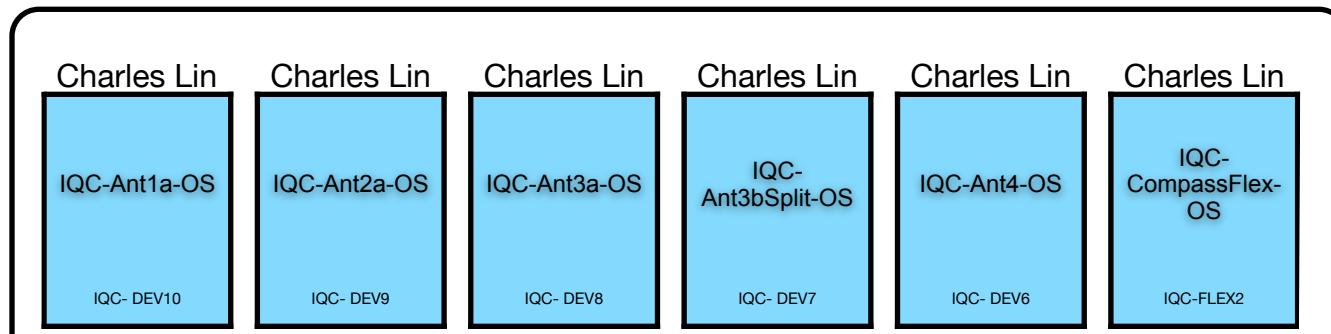
ALS



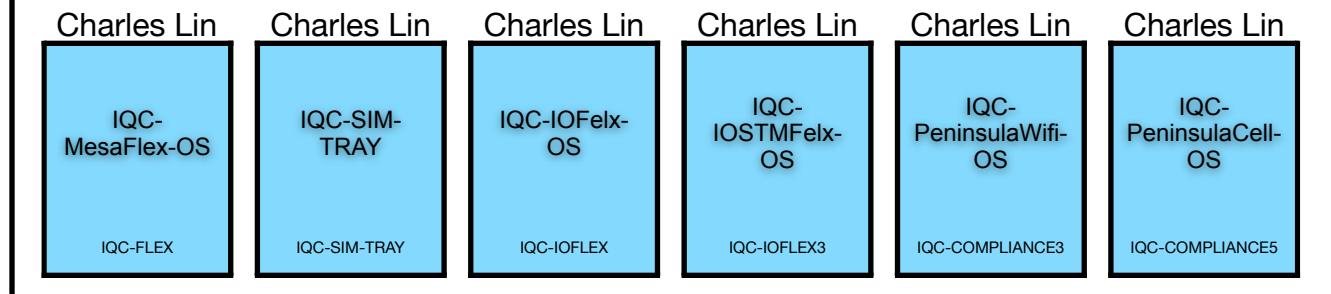
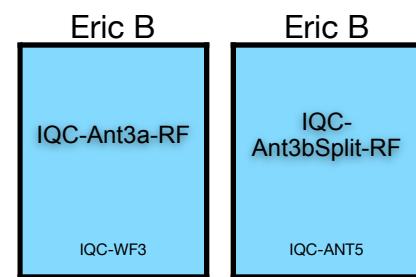
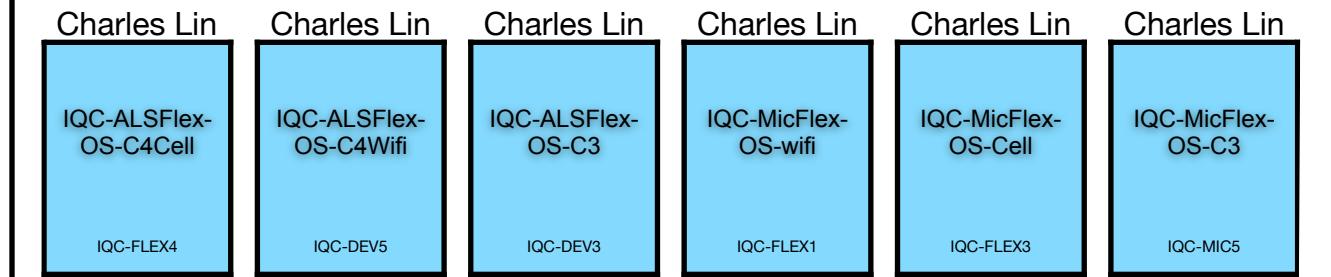
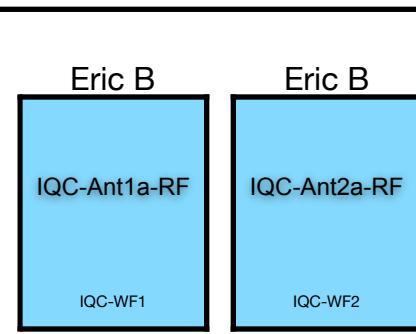
Zion



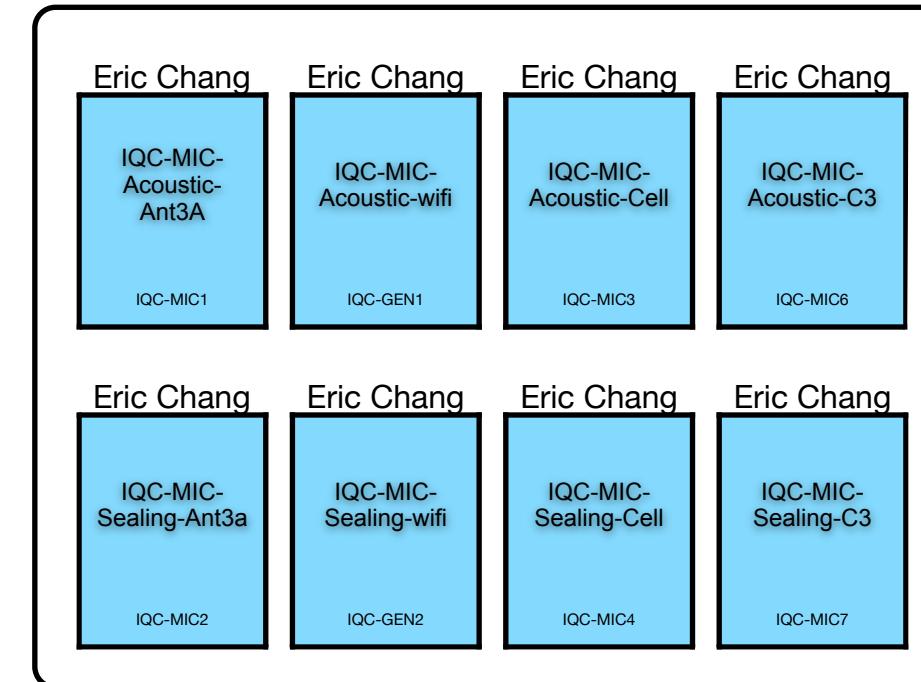
Flexes



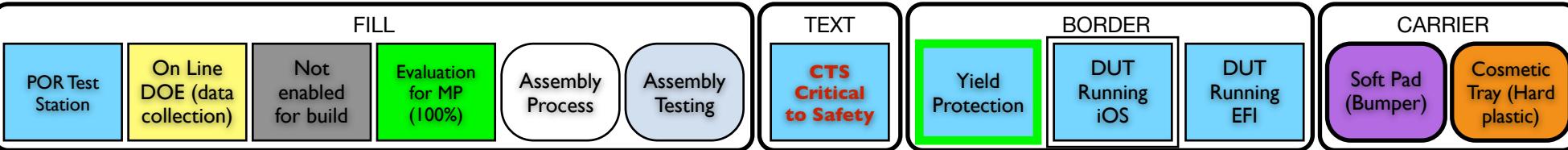
Antenna



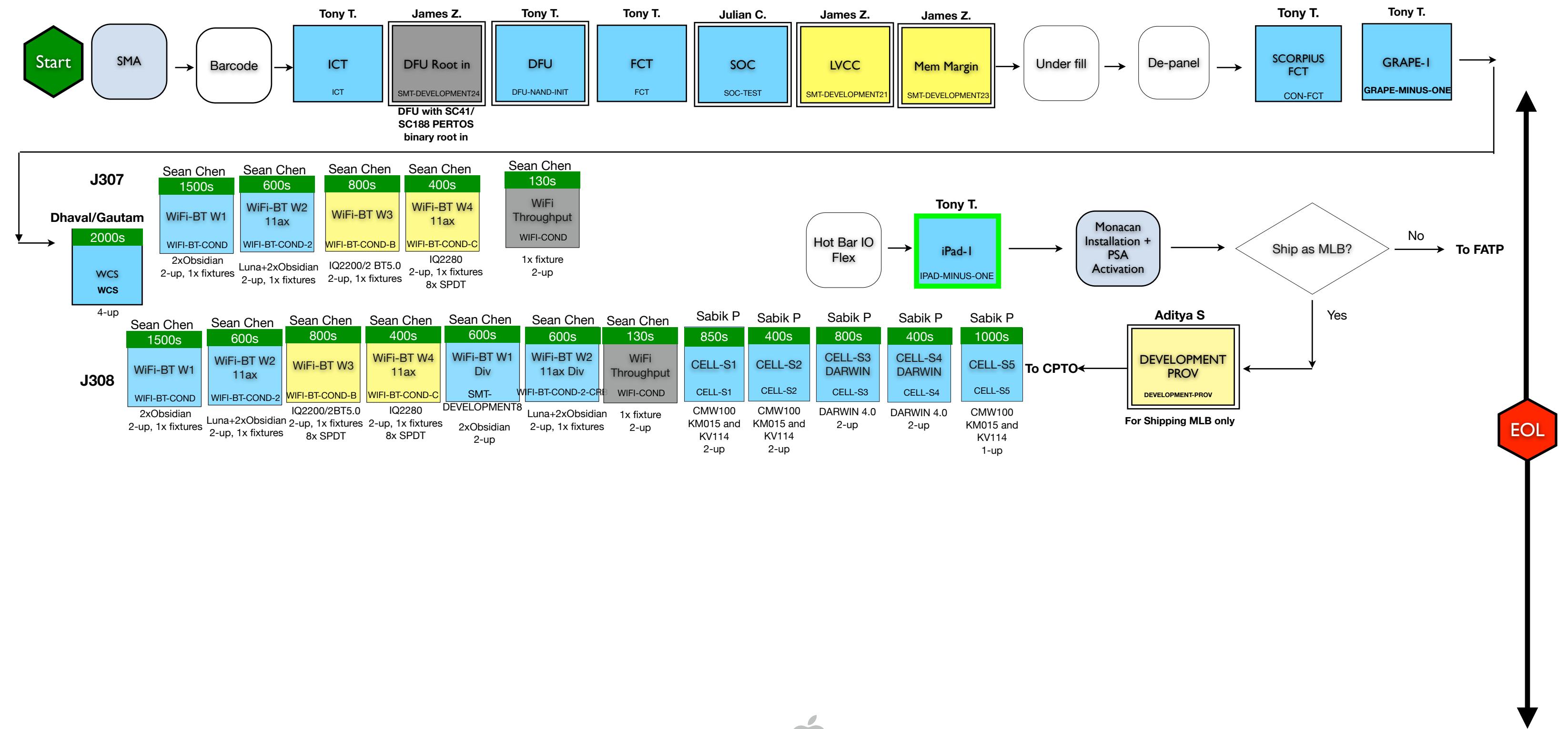
Microphone



SMT J307/308 Pre-EVT SMT MLB Test Line Flow



DRI: AP & RF system TDL team



J307/308 MLB RF Test Line Flow- Pre-EVT (Offline)

Offline Stations - 100% Utilization

Sean Chen	Naresh Balaji	Naresh Balaji	Naresh Balaji
WIFI CHAR J307 SMT-DEVELOPMENT9	BT CHAR J307 SMT-DEVELOPMENT12	WIFI CHAR J308 SMT-DEVELOPMENT11	BT CHAR J308 SMT-DEVELOPMENT12
J307 only IQ2200/2 1x Station 1-up	J307 only IQ2200/2 with BT5.0 License 1x Station 1-up	J308 only IQ2200/2 1x Station 1-up	J308 only IQ2200/2 with BT5.0 License 1x Station 1-up
Sabik	Sabik	Sabik	Sabik
GSM WCDMA Rx Sens SMT-DEVELOPMENT1	LTE FDD Non CA Rx Sens SMT-DEVELOPMENT2	LTE TDD Rx Sens SMT-DEVELOPMENT3	LTE DLCA Rx Sens SMT-DEVELOPMENT4
CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	CMW100 KV114 1x Station 100% utilization 1-up	CMW100 KV114 1x Station 100% utilization 1-up
Sabik	Sabik	Naresh Balaji	
GSM/WCDMA Tx/ Rx Linearity SMT-DEVELOPMENT5	LTE TX/RX Linearity SMT-DEVELOPMENT6 CMW100/CMW500	WiFi Assoc WIFI-COND	1x fixture 2-up
CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	KV114 1x Station 100% utilization 1-up		

Offline COEX/Reg Stations - 100% Utilization

(to be tested with RF shield lids on)

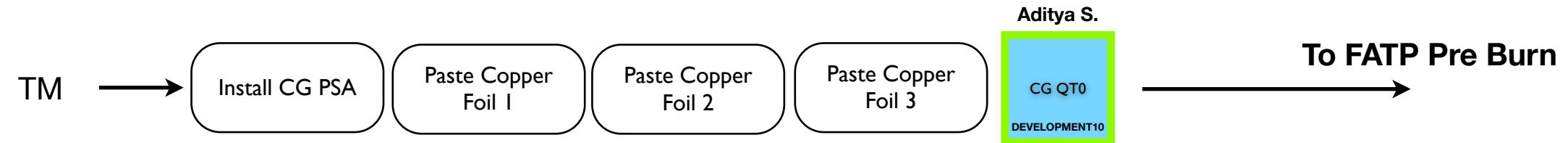
Erick W	Erick W	Erick W	Erick W	Erick W	Erick W
COEX HARMONICS UAT SMT-COEX1	COEX HARMONICS LAT SMT-COEX2	COEX CELL NON CA SMT-COEX3	COEX CELL CA SMT-COEX4	COEX WIFI 2.4G SMT-COEX5	COEX WIFI 5G SMT-COEX6
FSW13 1x Station 100% Utilization 1-up in 3-up fixture	FSW13 1x Station 100% Utilization 1-up in 3-up fixture	CMW500 6x Stations 100% Utilization 1-up in 3-up fixture	CMW500 4x Stations 100% Utilization 1-up in 3-up fixture	IQ2200 6x Stations 100% Utilization 1-up in 3-up fixture	IQ2200 4x Stations 100% Utilization 1-up in 3-up fixture
Erick W	Erick W	Erick W			
COEX WIFI ORSSI SMT-COEX7	COEX WIFI-BT-ISO SMT-COEX8	COEX GPS CELL-GPS SMT-COEX9			
IQ2200 4x Station 100% Utilization 1-up in 3-up fixture	IQ2200 2x Station 100% Utilization 1-up in 3-up fixture	CMW500 Cfg 33 4x Stations 100% Utilization 1-up in 3-up fixture			
Suhas K					
WIFI BT HARMONIC SMT-DEVELOPMENT19					
FSW26 4x Stations 100% Utilization 4-up					



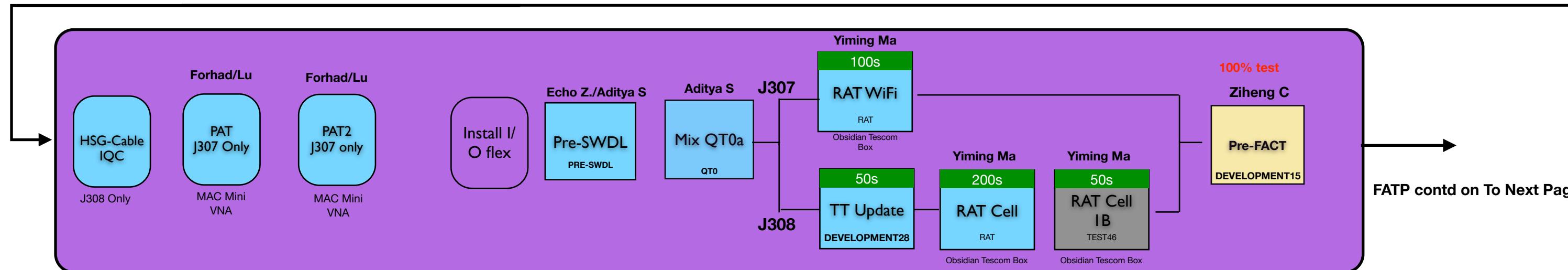
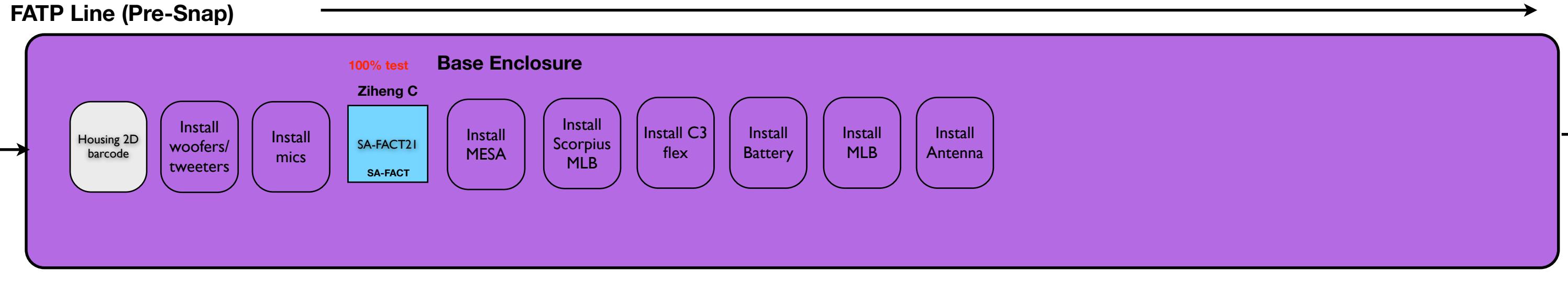
J307/308 Pre-EVT Sub-line Test Line Flow



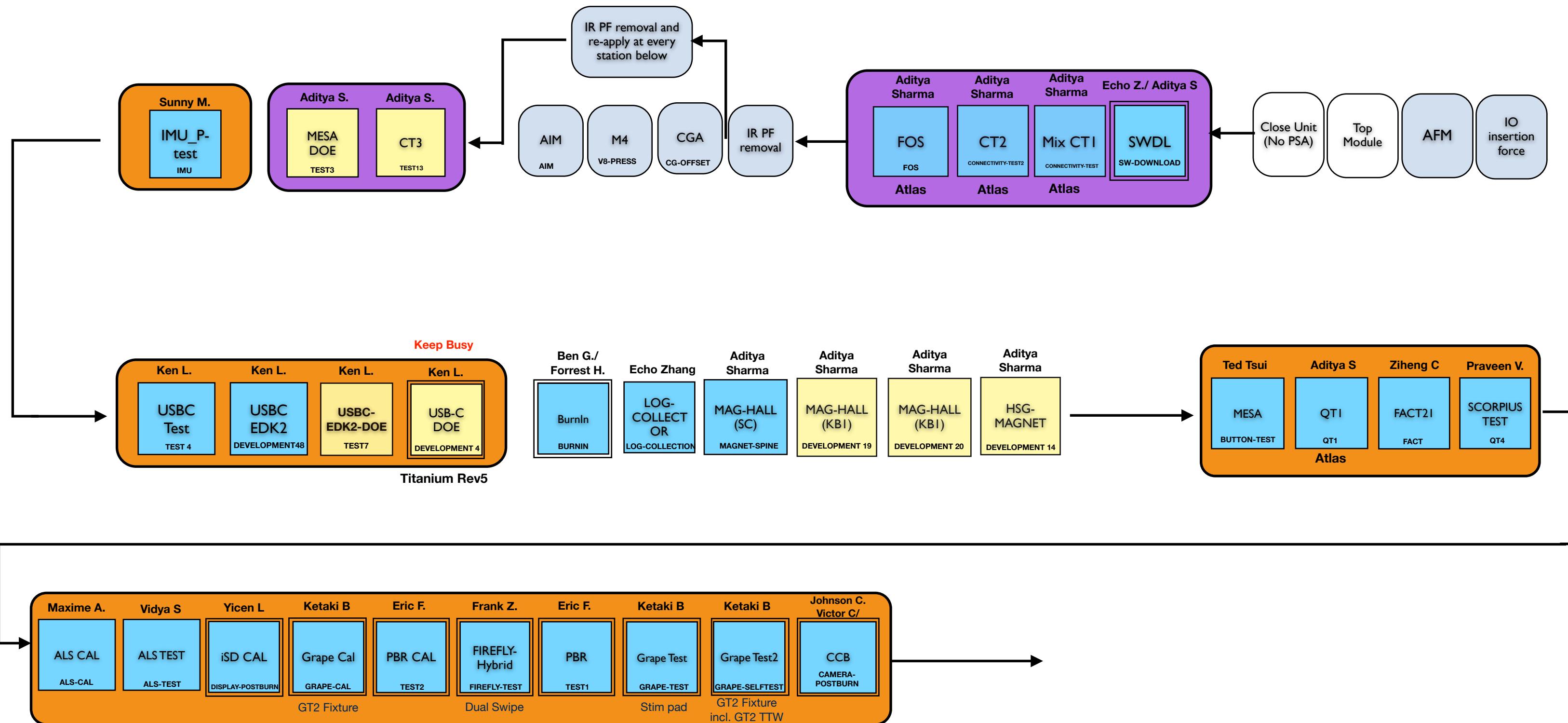
Top Module Sub line



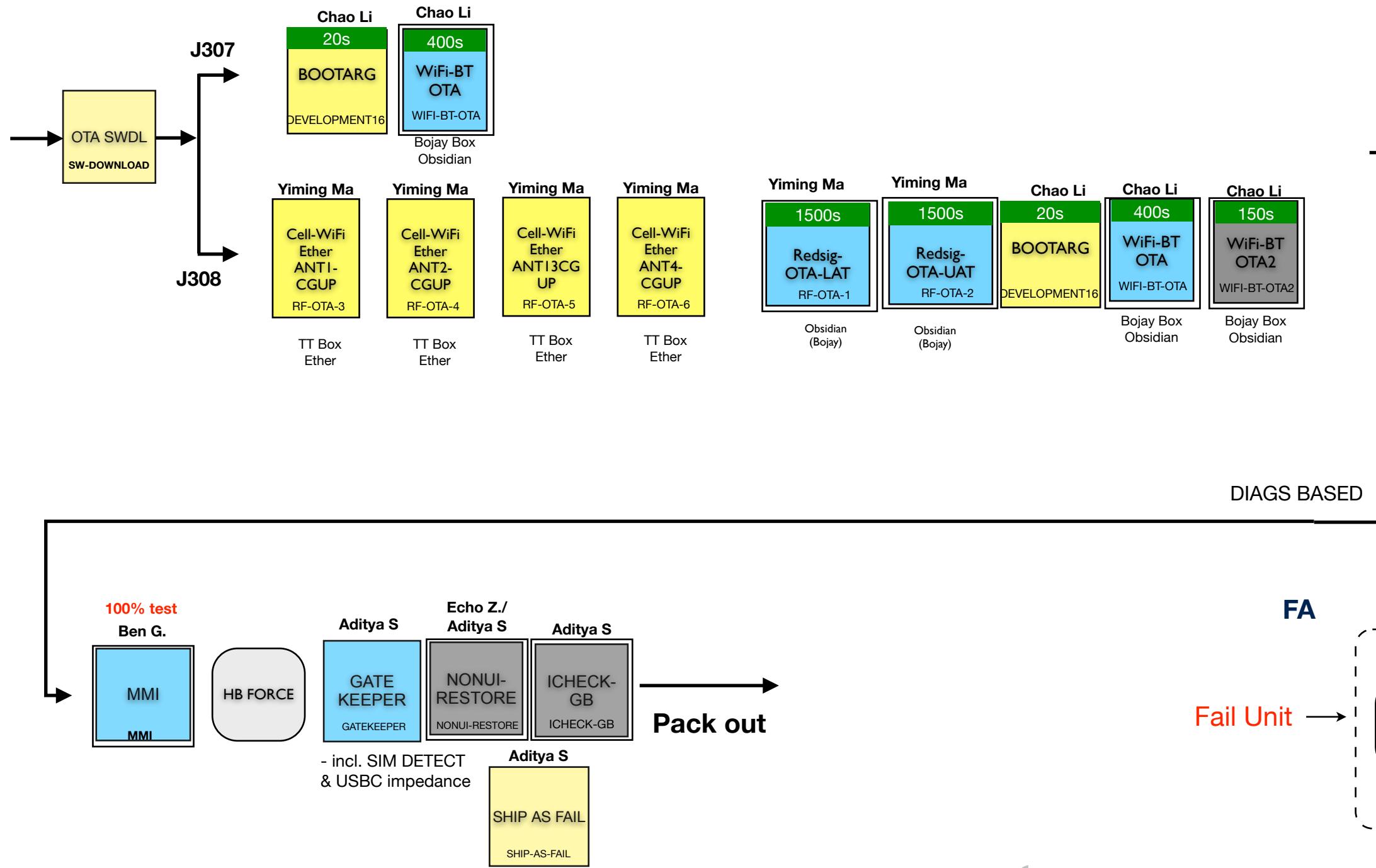
FATP Line (Pre-Snap)



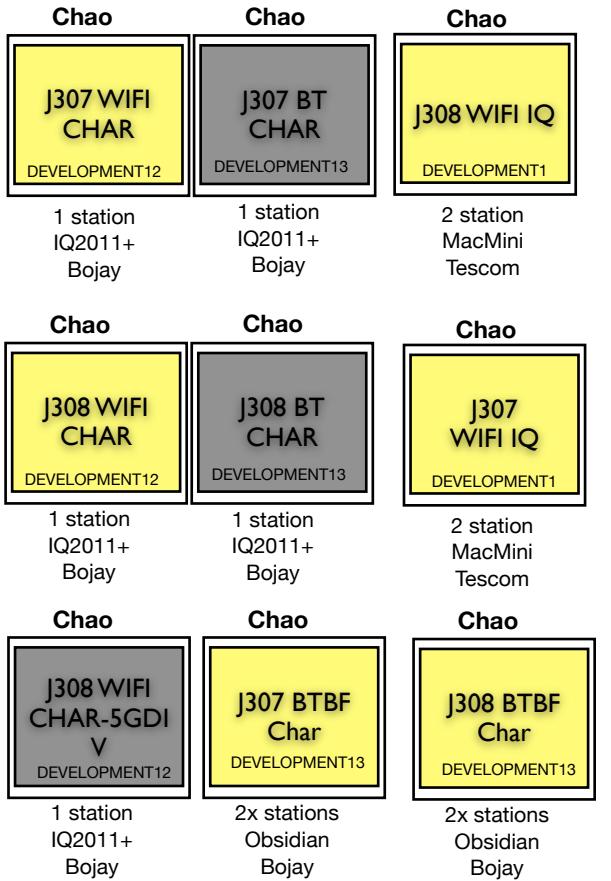
J307/308 PreEVT FATP Test Line Flow



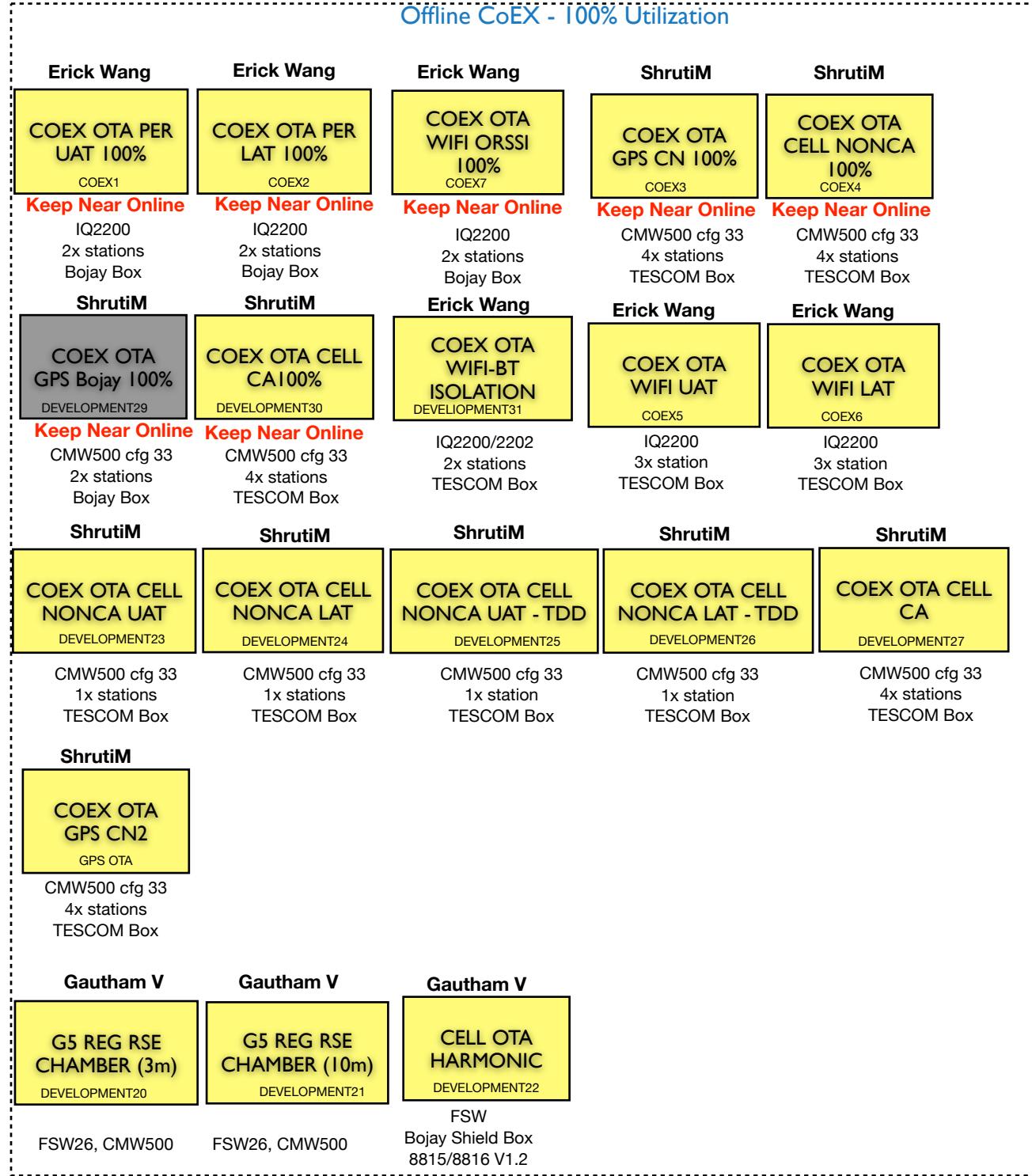
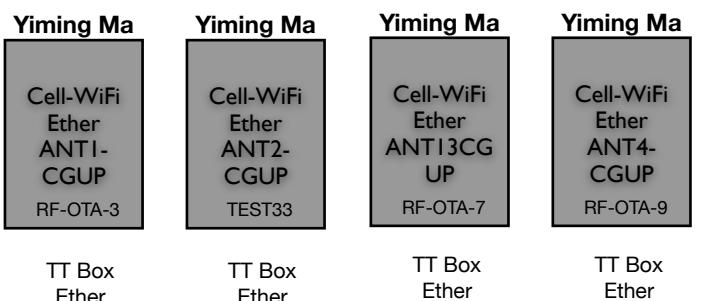
J307/308 Pre-EVT Test Line Flow



J307/J308 Pre-EVT FATP RF Offline Stations



100% Utilization - Need unit before they hit OTA station



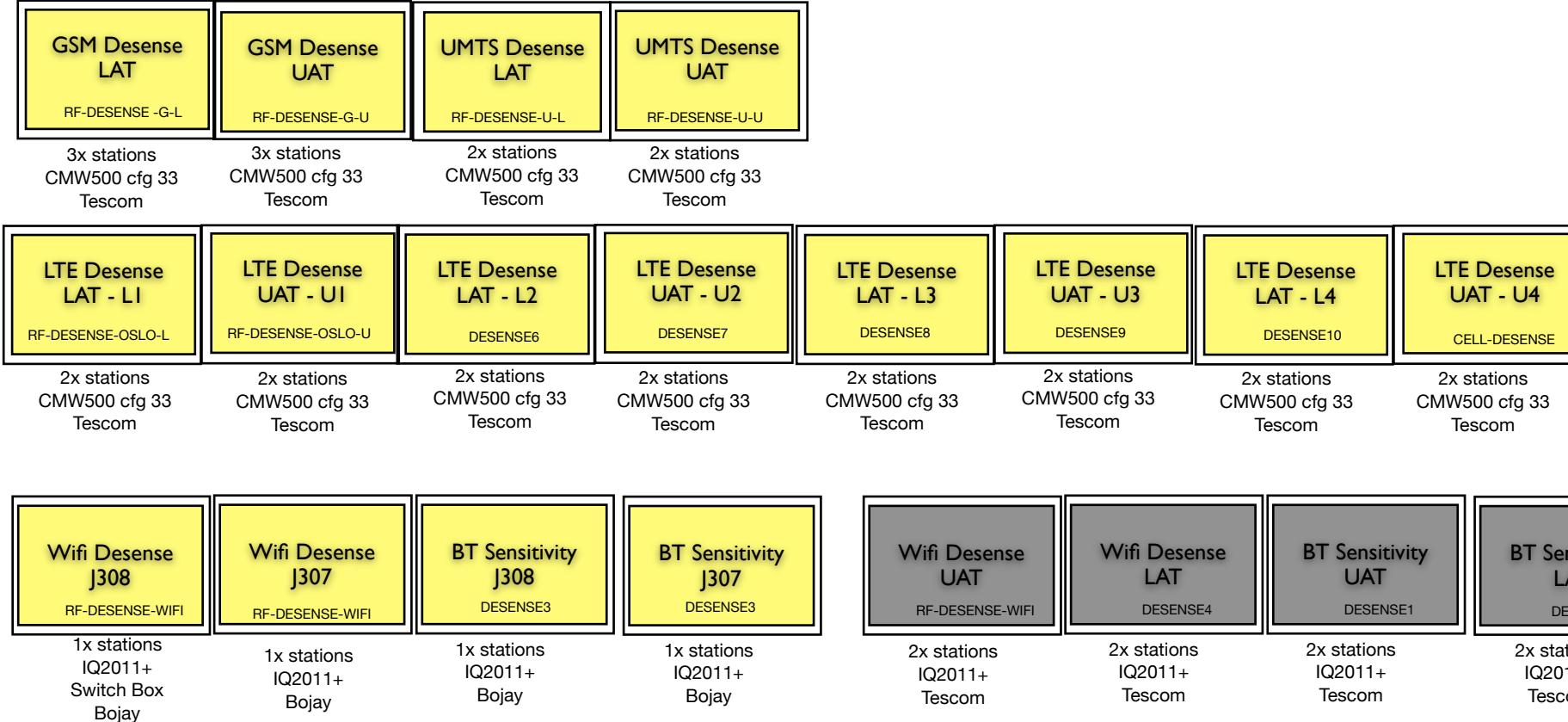
J307/308 FATP RF Offline Stations - Pre-EVT



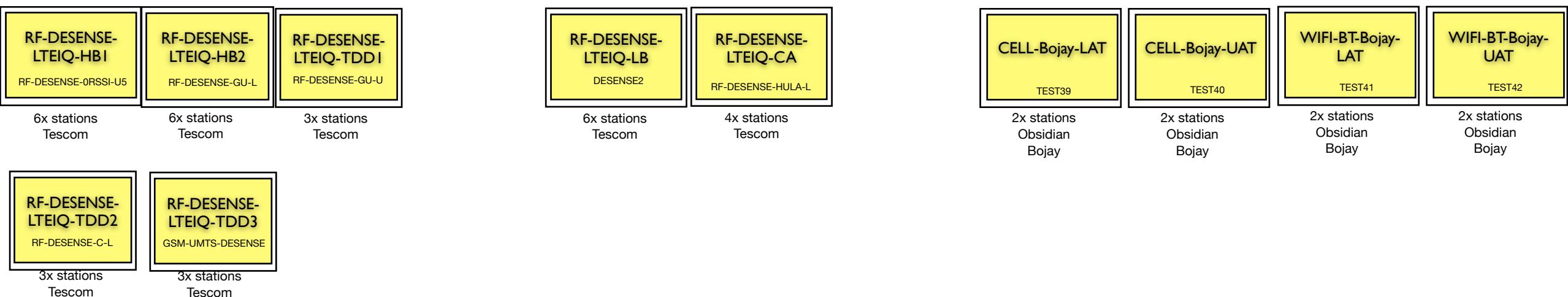
Offline Desense- 100% Utilization - Target unit quantity 30% to 40%

DRI: Nick Doan

Desense Sensitivity Search

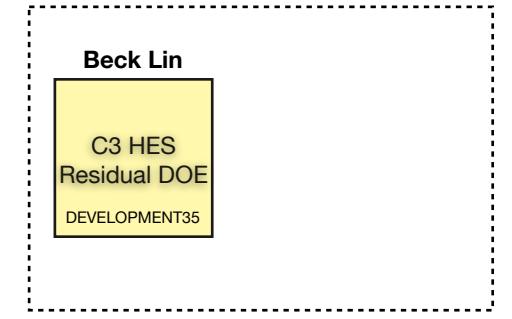
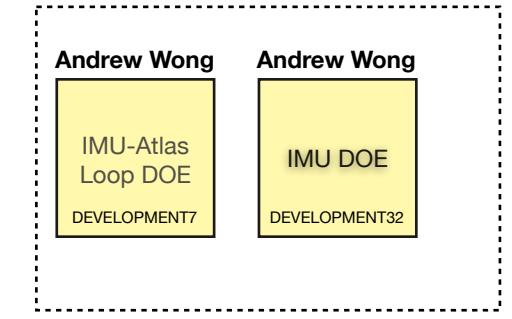
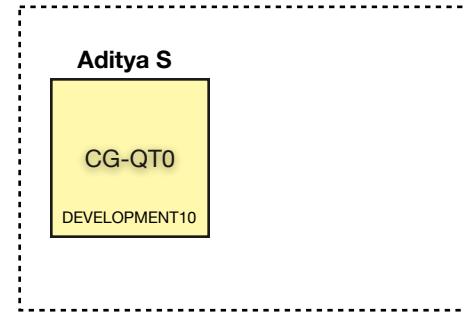
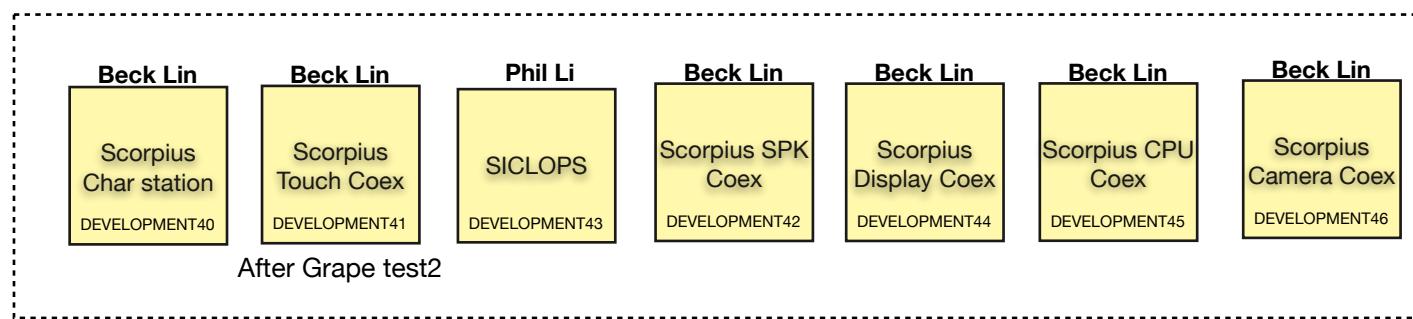
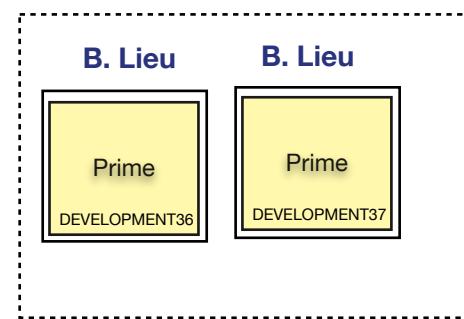


Desense LTEIQ/ Zero RSSI



J307/308 PreEVT FATP Test Line Flow-Offline Station

Online DOE
Station





J307/308 Factory Test Flow for P1B



J307/308 P1B IQC Test Line Flow

Test time | UPH
Offline/ Non-POR Station

Test time | UPH
Online POR Station

Not Used Station

DUT Running NonUI

DUT Running EFI

Process Station

Camera

Juliet

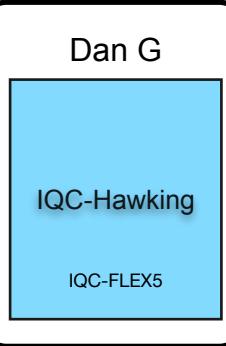
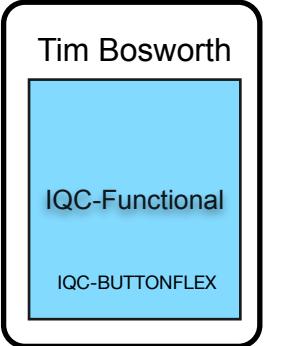
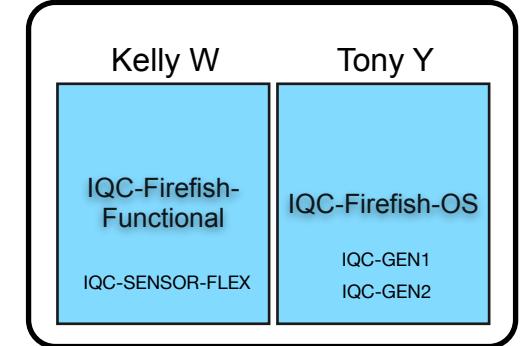
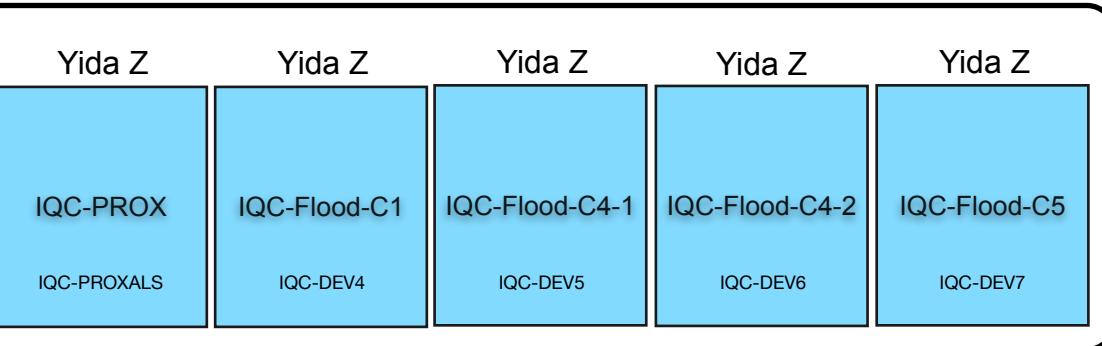
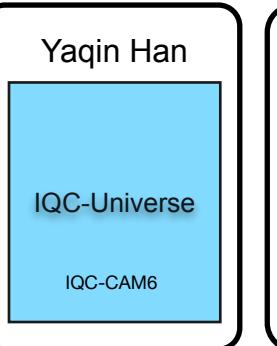
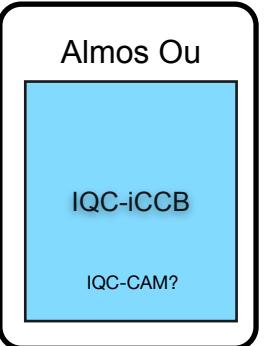
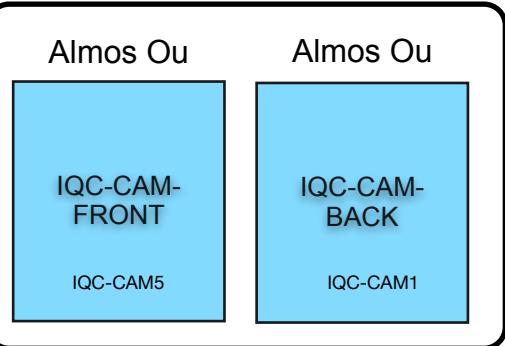
Titus

Rosaline

Firefish

Battery

Strobe



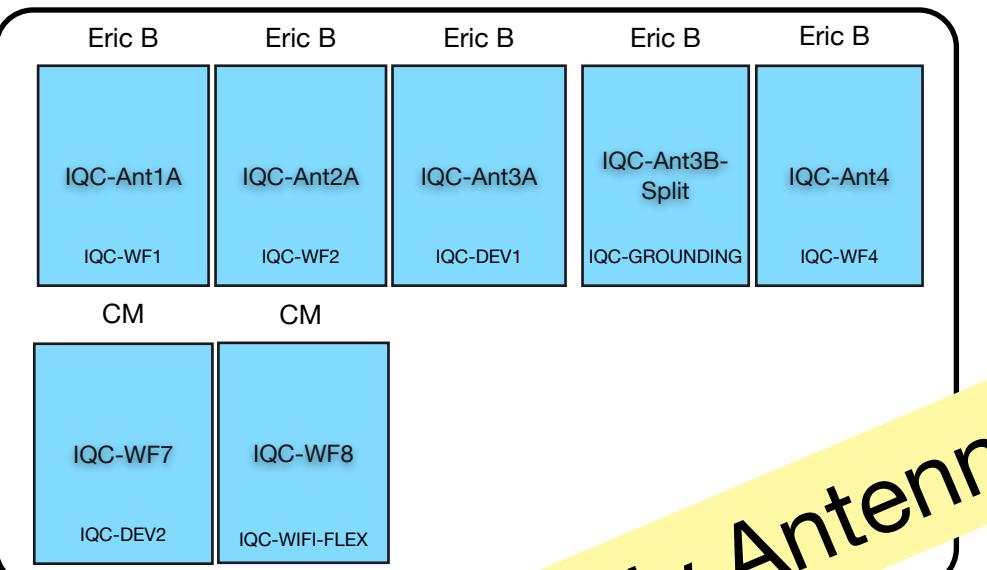
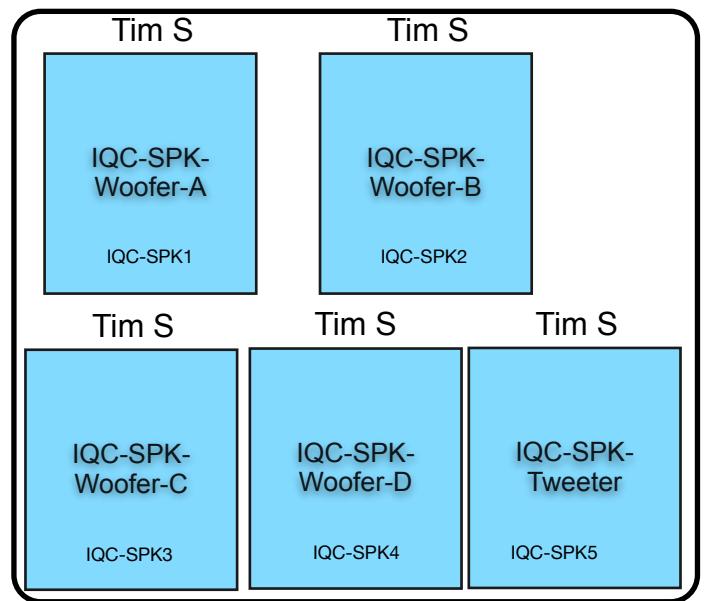
Speaker

Antenna

Scorpius

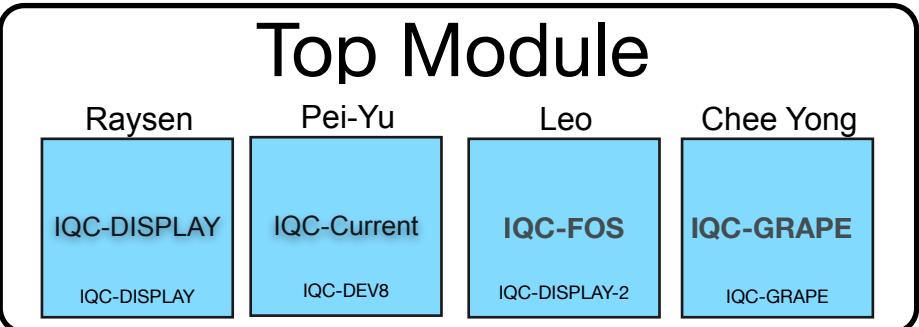
Mic

Compass

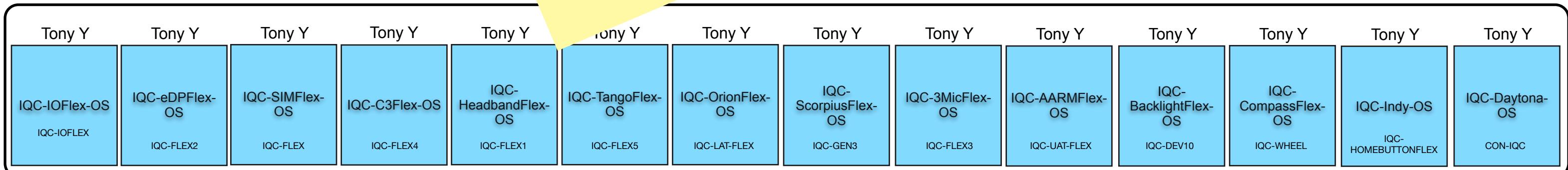
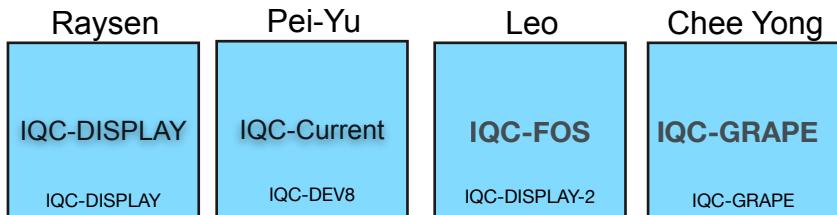


Flexes

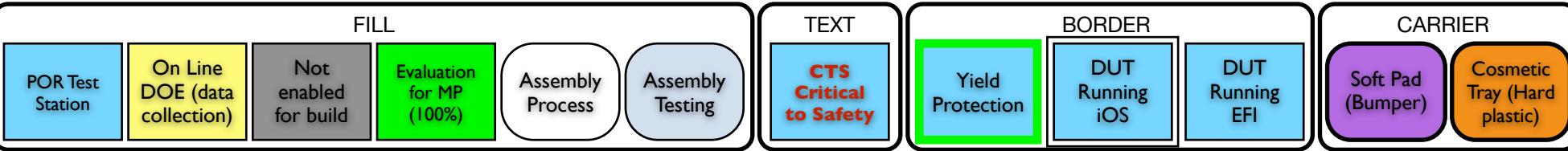
Only Antenna up to date



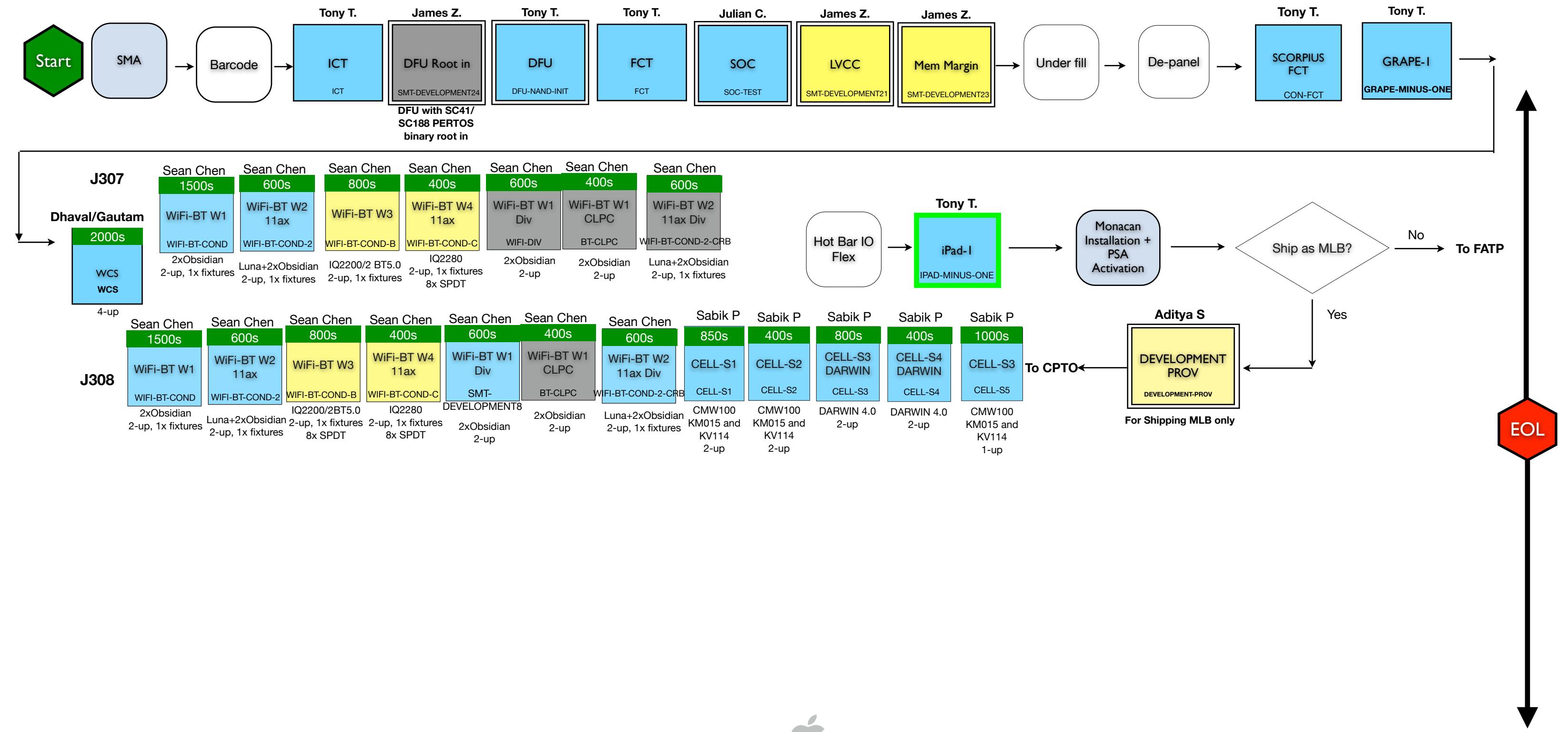
Top Module



SMT J307/308 P1B SMT MLB Test Line Flow



DRI: AP & RF system TDL team



J307/308 MLB RF Test Line Flow- P1B (Offline)

Offline Stations - 100% Utilization

Sean Chen	Naresh Balaji	Naresh Balaji	Naresh Balaji
WIFI CHAR J307 SMT-DEVELOPMENT9	BT CHAR J307 SMT-DEVELOPMENT12	WIFI CHAR J308 SMT-DEVELOPMENT11	BT CHAR J308 SMT-DEVELOPMENT12
J307 only IQ2200/2 1x Station 1-up	J307 only IQ2200/2 with BT5.0 License 1x Station 1-up	J308 only IQ2200/2 1x Station 1-up	J308 only IQ2200/2 with BT5.0 License 1x Station 1-up
Sabik	Sabik	Sabik	Sabik
GSM WCDMA Rx Sens SMT-DEVELOPMENT1	LTE FDD Non CA Rx Sens SMT-DEVELOPMENT2	LTE TDD Rx Sens SMT-DEVELOPMENT3	LTE DLCA Rx Sens SMT-DEVELOPMENT4
CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	CMW100 KV114 1x Station 100% utilization 1-up	CMW100 KV114 1x Station 100% utilization 1-up
Sabik	Sabik	Naresh Balaji	
GSM/WCDMA Tx/ Rx Linearity SMT-DEVELOPMENT5	LTE TX/RX Linearity SMT-DEVELOPMENT6 CMW100/CMW500	WiFi Assoc WIFI-COND	1x fixture 2-up
CMW100/ CMW500+CMWS 1x Station 100% utilization 1-up	KV114 1x Station 100% utilization 1-up		

Offline COEX/Reg Stations - 100% Utilization

(to be tested with RF shield lids on)

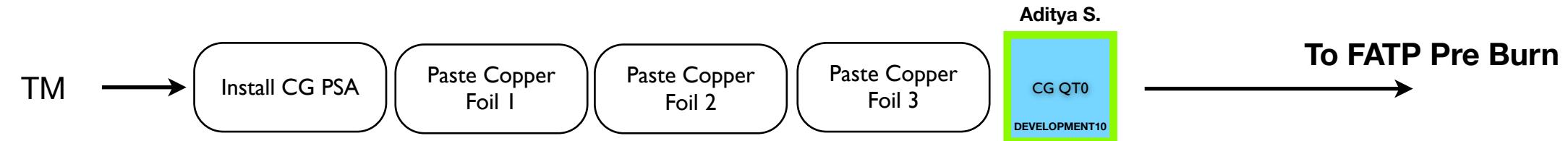
Erick W	Erick W	Erick W	Erick W	Erick W	Erick W
COEX HARMONICS UAT SMT-COEX1	COEX HARMONICS LAT SMT-COEX2	COEX CELL NON CA SMT-COEX3	COEX CELL CA SMT-COEX4	COEX WIFI 2.4G SMT-COEX5	COEX WIFI 5G SMT-COEX6
FSW13 1x Station 100% Utilization 1-up in 3-up fixture	FSW13 1x Station 100% Utilization 1-up in 3-up fixture	CMW500 6x Stations 100% Utilization 1-up in 3-up fixture	CMW500 4x Stations 100% Utilization 1-up in 3-up fixture	IQ2200 6x Stations 100% Utilization 1-up in 3-up fixture	IQ2200 4x Stations 100% Utilization 1-up in 3-up fixture
Erick W	Erick W				
COEX WIFI ORSSI SMT-COEX7	COEX GPS CELL-GPS SMT-COEX9				
IQ2200 4x Station 100% Utilization 1-up in 3-up fixture	CMW500 Cfg 33 4x Stations 100% Utilization 1-up in 3-up fixture				
Suhas K					
WIFI BT HARMONIC SMT-DEVELOPMENT19					
FSW26 4x Stations 100% Utilization 4-up					



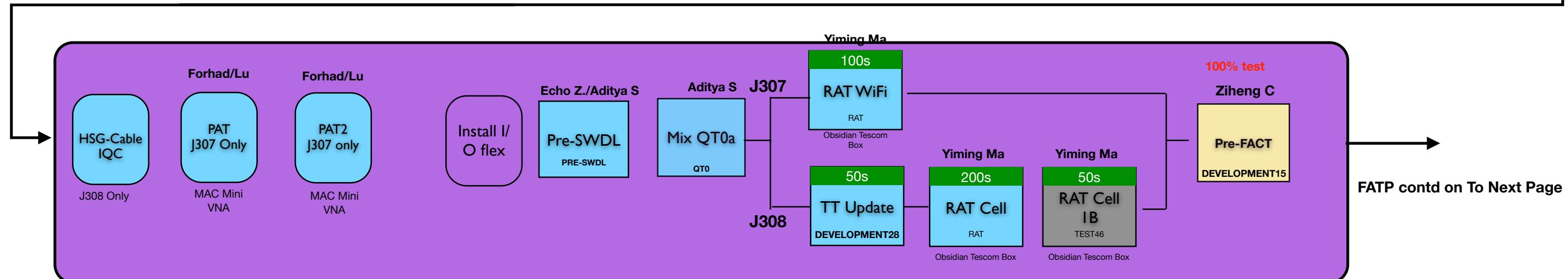
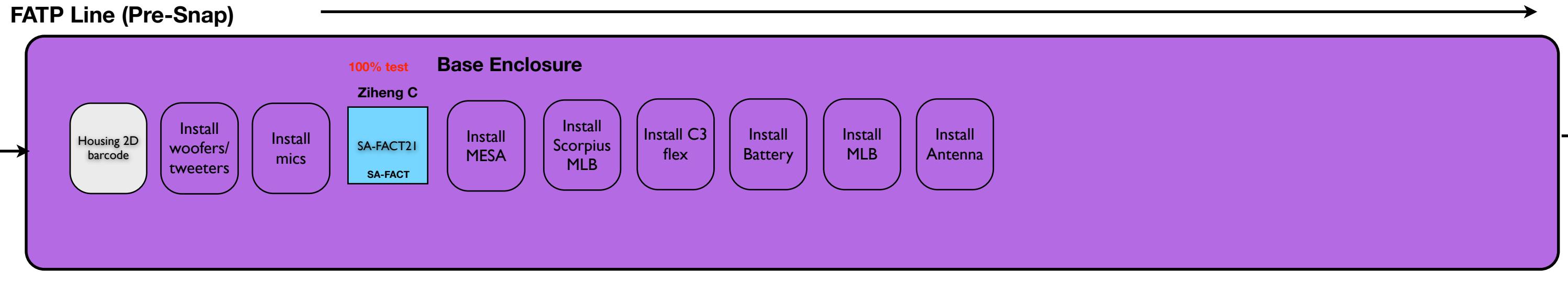
J307/308 P1b Sub-line Test Line Flow



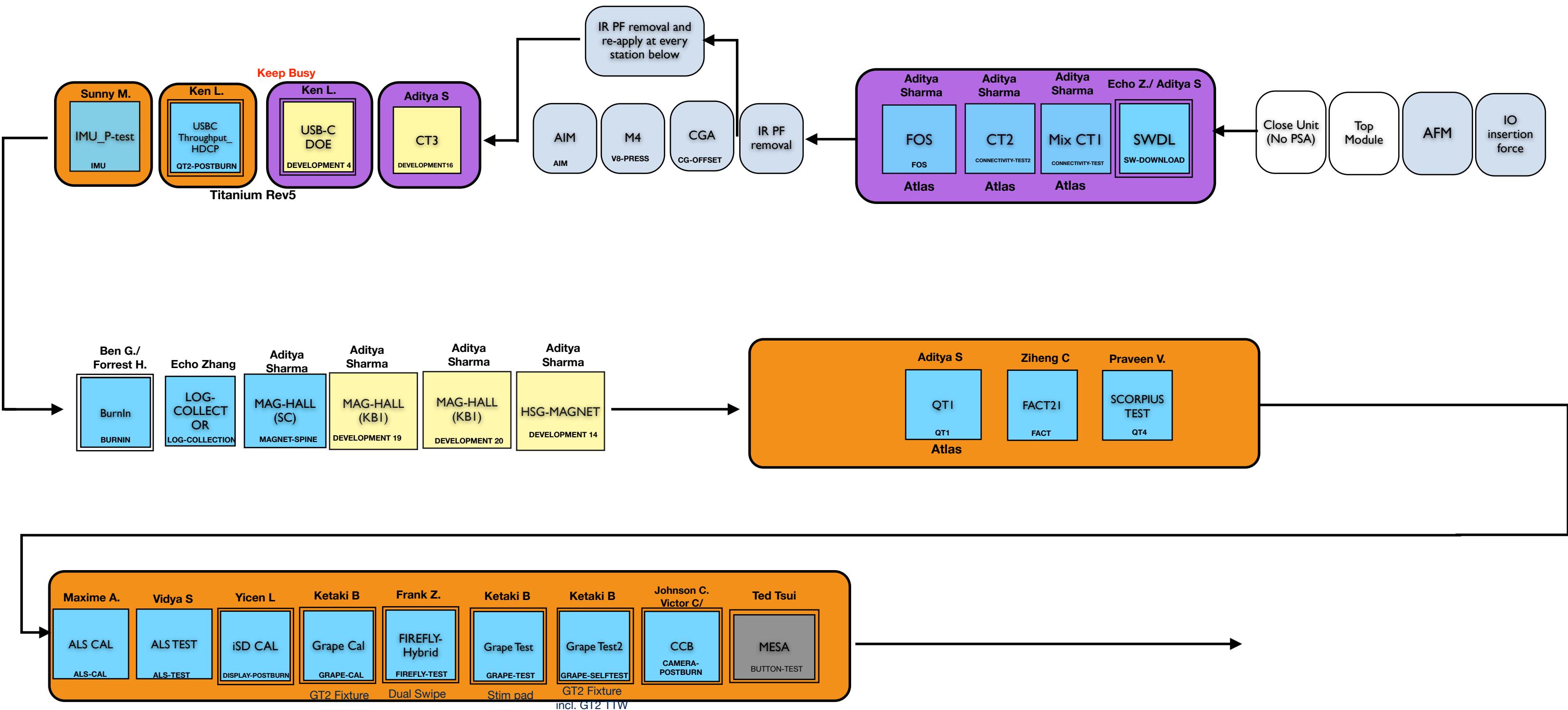
Top Module Sub line



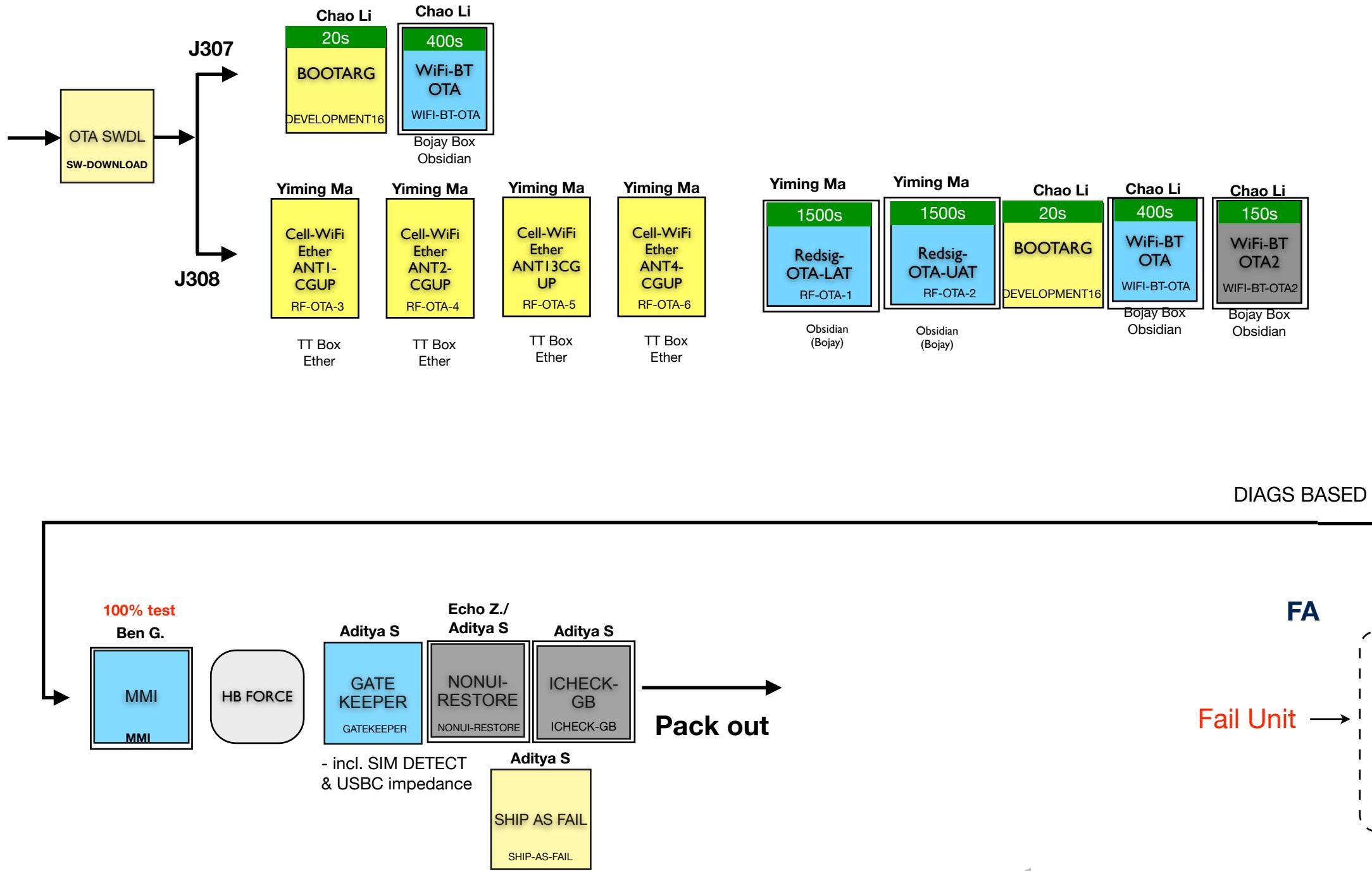
FATP Line (Pre-Snap)



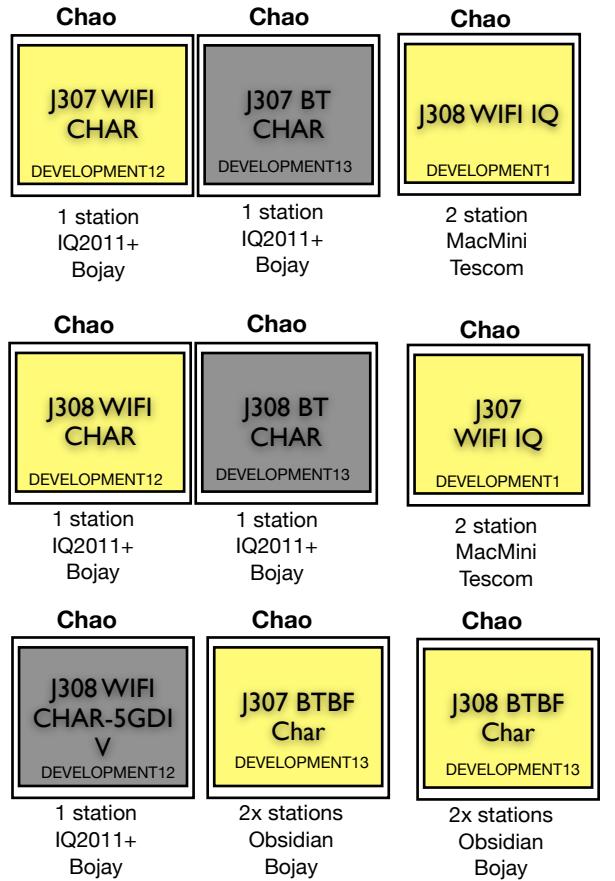
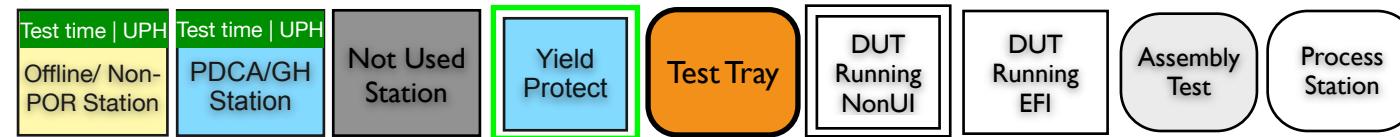
J307/308 P1B FATP Test Line Flow



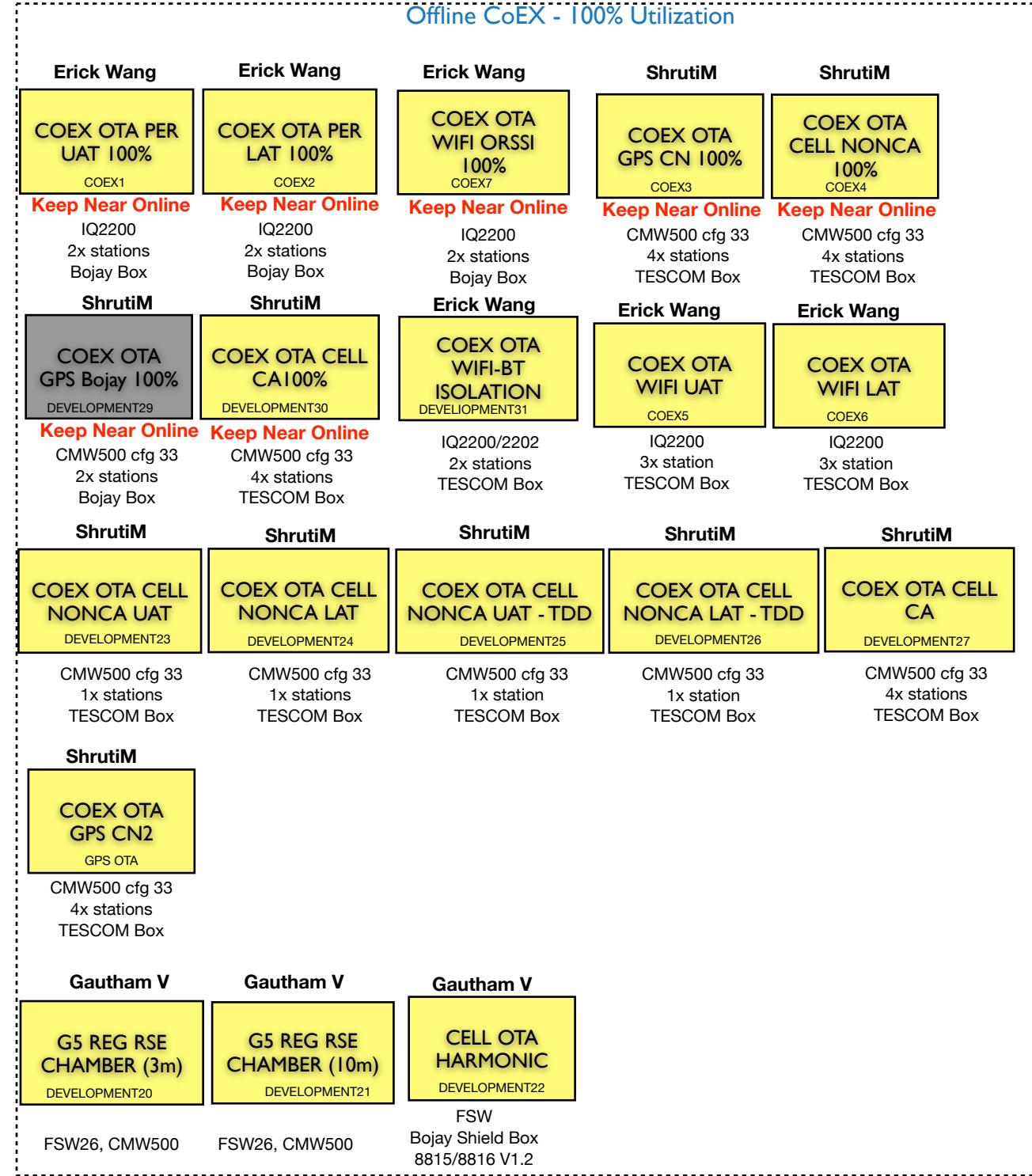
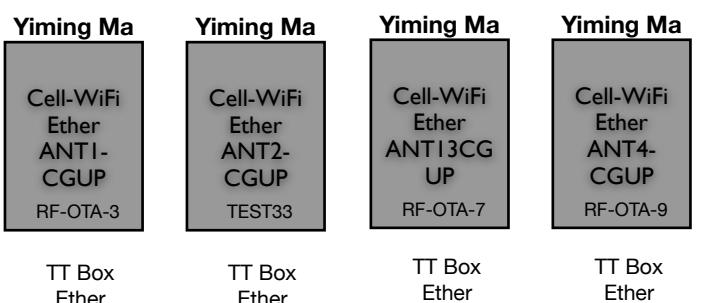
J307/308 P1B Test Line Flow



J307/J308 FATP RF Offline Stations P1B



100% Utilization - Need unit before they hit OTA station



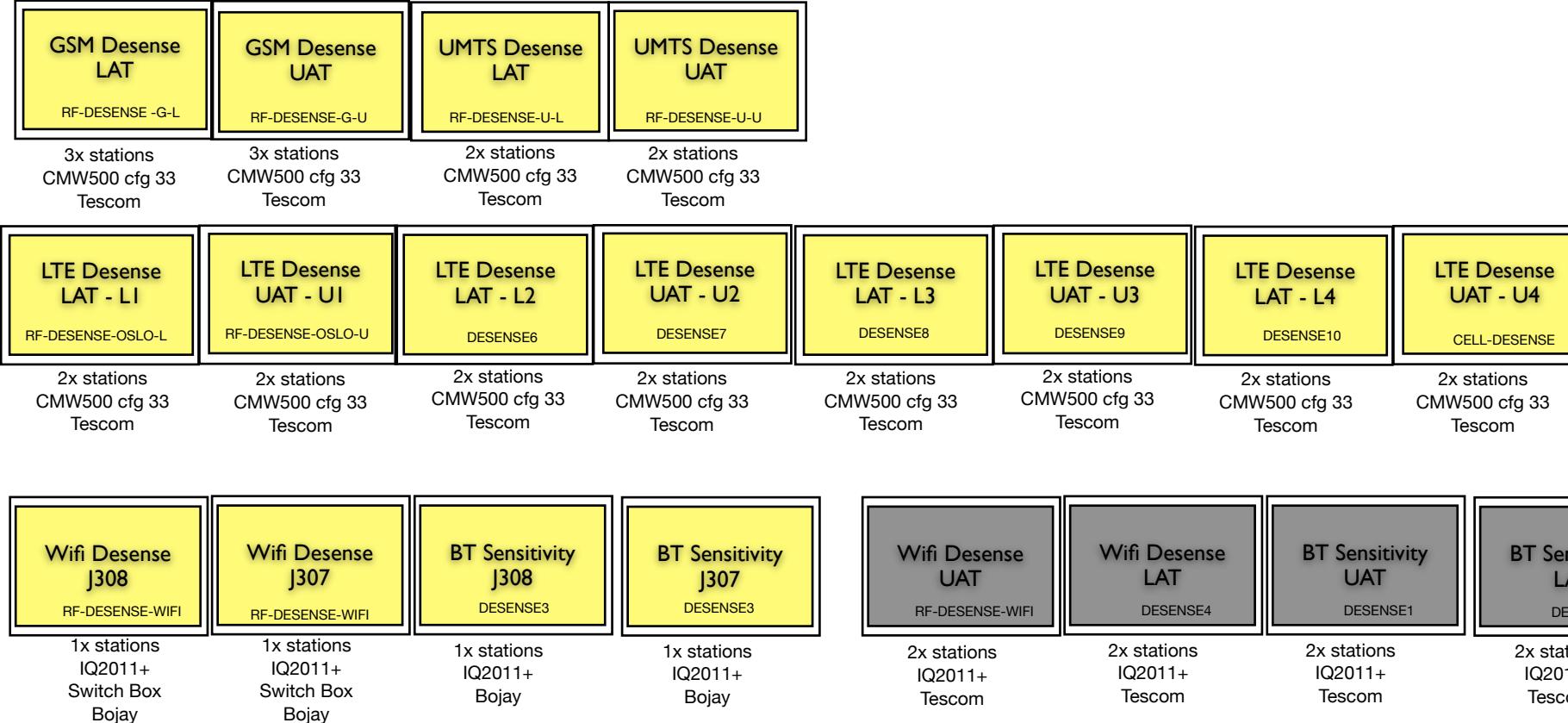
J307/308 FATP RF Offline Stations - P1B



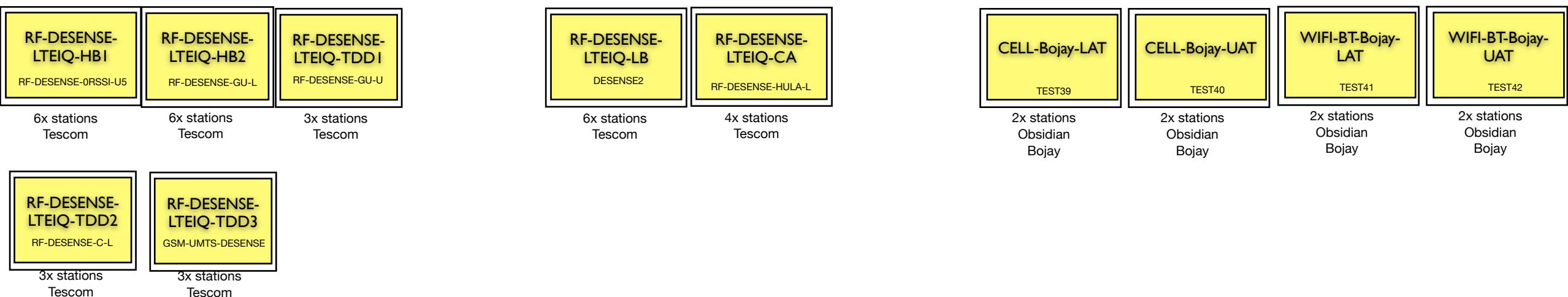
Offline Desense- 100% Utilization - Target unit quantity 30% to 40%

DRI: Nick Doan

Desense Sensitivity Search

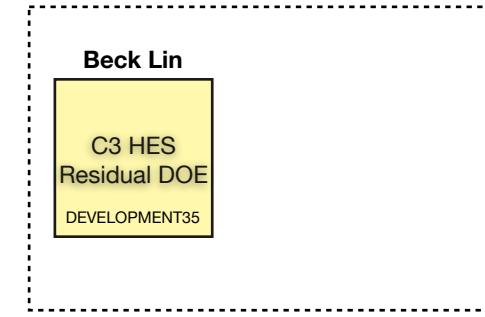
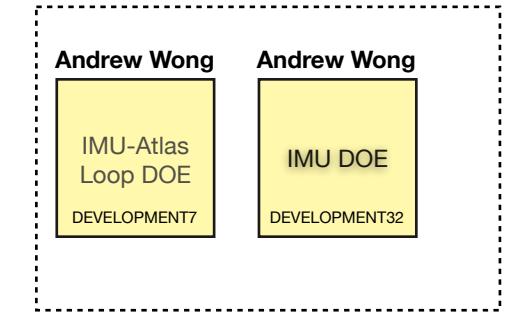
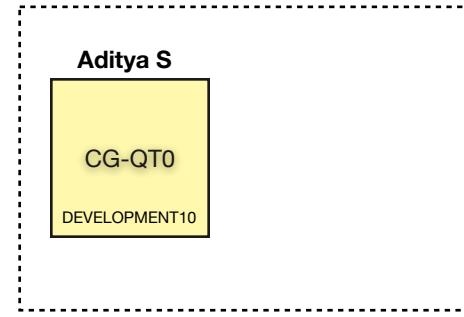
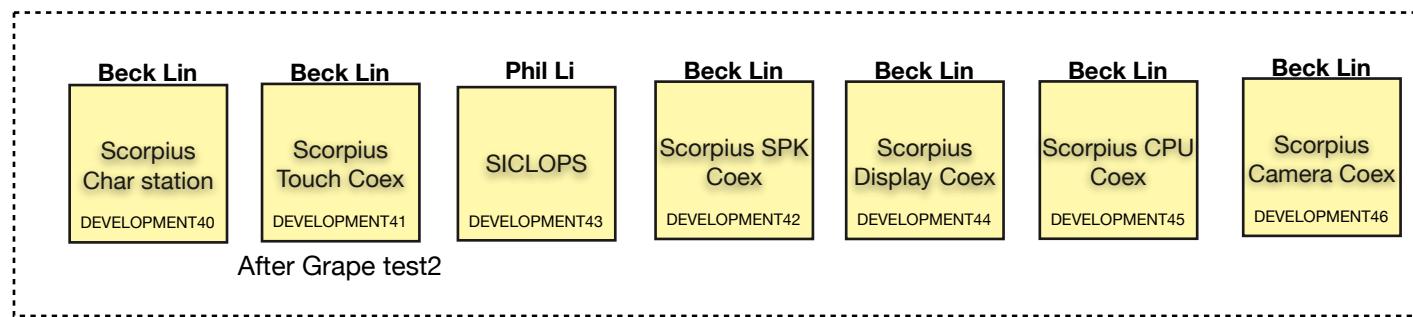
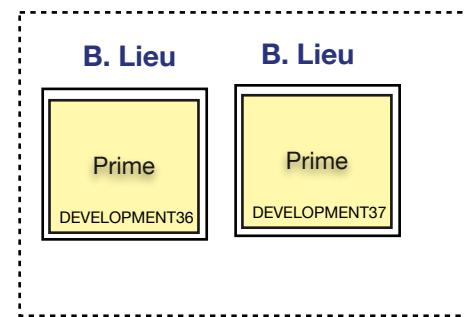


Desense LTEIQ/ Zero RSSI



J307/308 P1B FATP Test Line Flow-Offline Station

Online DOE
Station

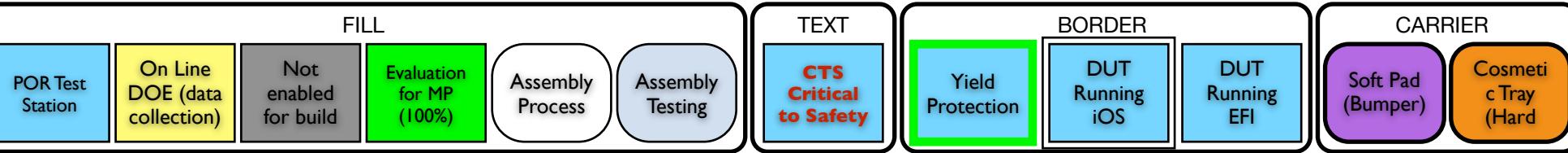




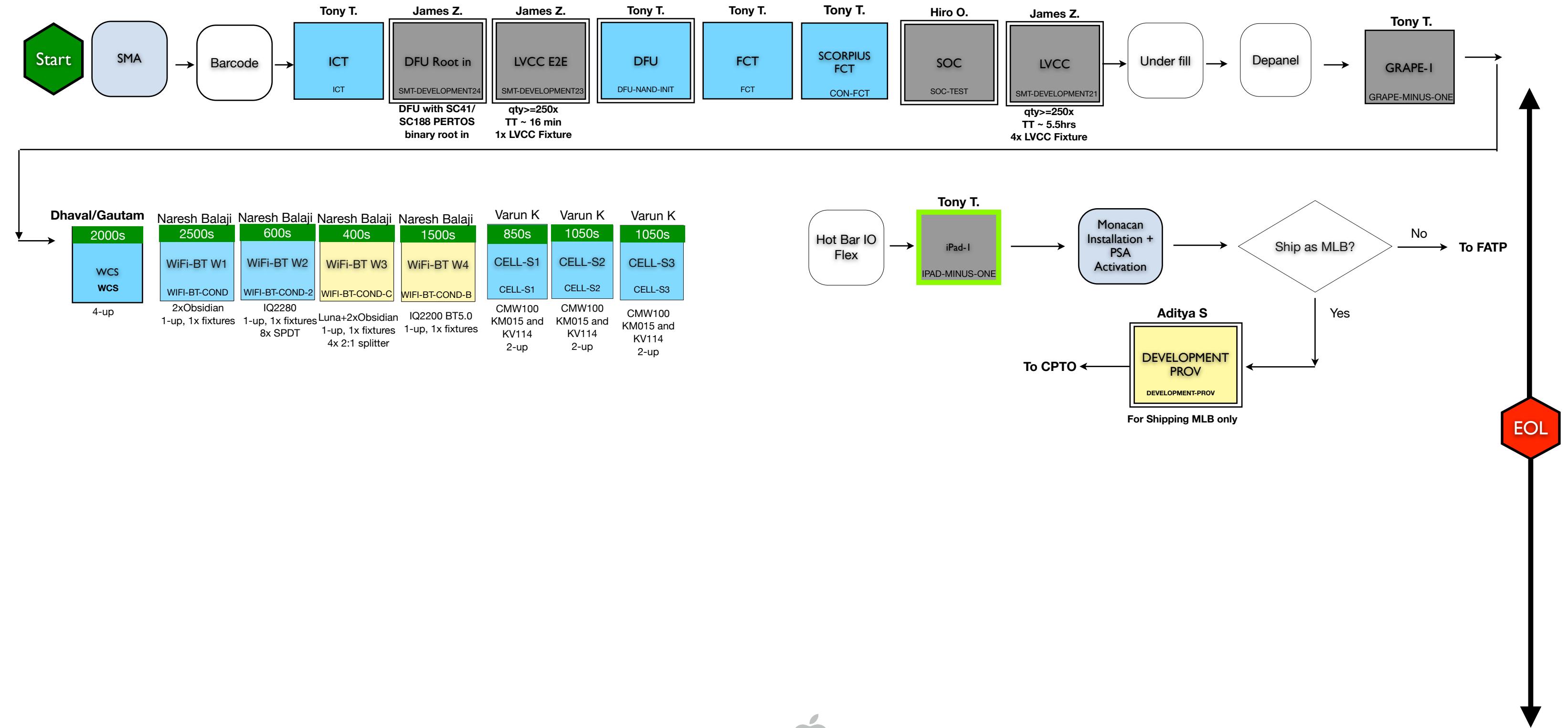
J307/308 Factory Test Flow for P0

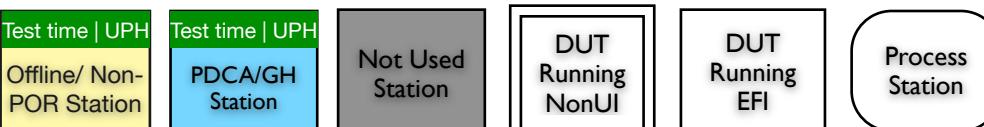


SMT J307/308 P0 SMT MLB Test Line



DRI: AP & RF system TDL team





J307/308 MLB RF Test Line Flow- P0 (Offline)

Offline Stations - 100% Utilization

Varun K	Varun K	Varun K	Varun K
GSM WCDMA Rx Sens SMT-DEVELOPMENT1	LTE FDD Non CA Rx Sens SMT-DEVELOPMENT2	LTE TDD Rx Sens SMT-DEVELOPMENT3	LTE DLCA Rx Sens SMT-DEVELOPMENT4
CMW100 KV114 1x Station 100% utilization 1-up			

Varun K	Varun K
GSM/WCDMA Tx/ Rx Linearity SMT-DEVELOPMENT5	LTE TX/RX Linearity SMT-DEVELOPMENT6
CMW100 KV114 1x Station 100% utilization 1-up	CMW100 KV114 1x Station 100% utilization 1-up

Offline COEX/Reg Stations - 100% Utilization

(to be tested with RF shield lids on)

| Erick W |
|--|--|--|--|--|--|
| COEX HARMONICS UAT
SMT-COEX1 | COEX HARMONICS LAT
SMT-COEX2 | COEX CELL NON CA
SMT-COEX3 | COEX CELL CA
SMT-COEX4 | COEX WIFI 2.4G
SMT-COEX5 | COEX WIFI 5G
SMT-COEX6 |
| FSW13
1x Station
100% Utilization
1-up in 3-up fixture | FSW13
1x Station
100% Utilization
1-up in 3-up fixture | CMW500
6x Stations
100% Utilization
1-up in 3-up fixture | CMW500
4x Stations
100% Utilization
1-up in 3-up fixture | IQ2200
6x Stations
100% Utilization
1-up in 3-up fixture | IQ2200
4x Stations
100% Utilization
1-up in 3-up fixture |
| Erick W |
| COEX WIFI ORSSI
SMT-COEX7 | COEX GPS CELL-GPS
SMT-COEX9 |
| CMW500 Cfg 33
4x Stations
100% Utilization
1-up in 3-up fixture | CMW500 Cfg 33
4x Stations
100% Utilization
1-up in 3-up fixture | CMW500 Cfg 33
4x Stations
100% Utilization
1-up in 3-up fixture | CMW500 Cfg 33
4x Stations
100% Utilization
1-up in 3-up fixture | CMW500 Cfg 33
4x Stations
100% Utilization
1-up in 3-up fixture | CMW500 Cfg 33
4x Stations
100% Utilization
1-up in 3-up fixture |

Suhas K
WIFI BT HARMONIC SMT-DEVELOPMENT19
FSW26 2x Stations 4-up

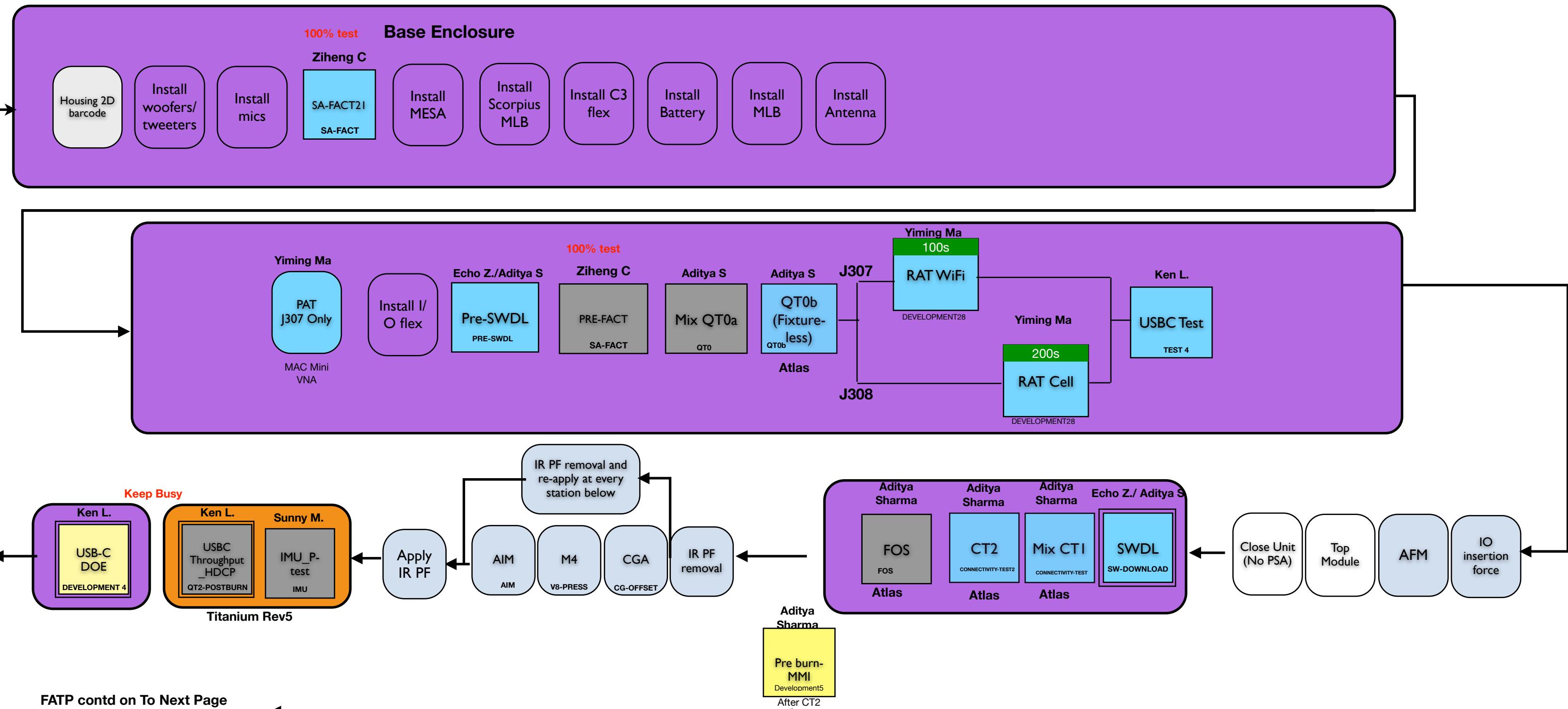
100% Sampling for BT BF with test time of 300s



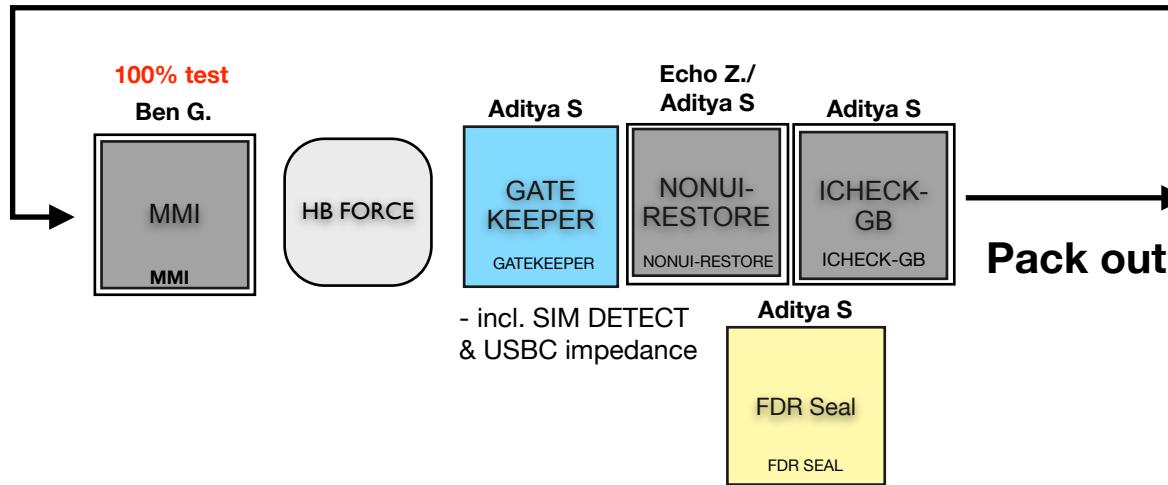
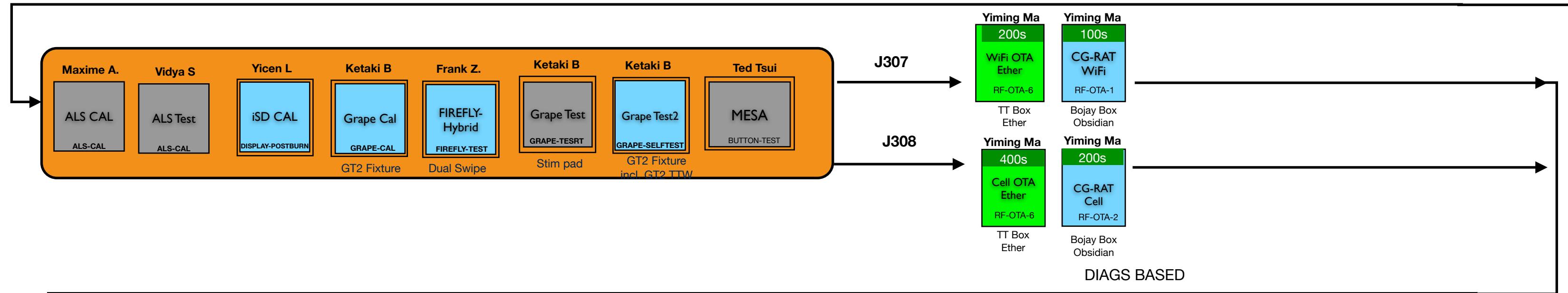
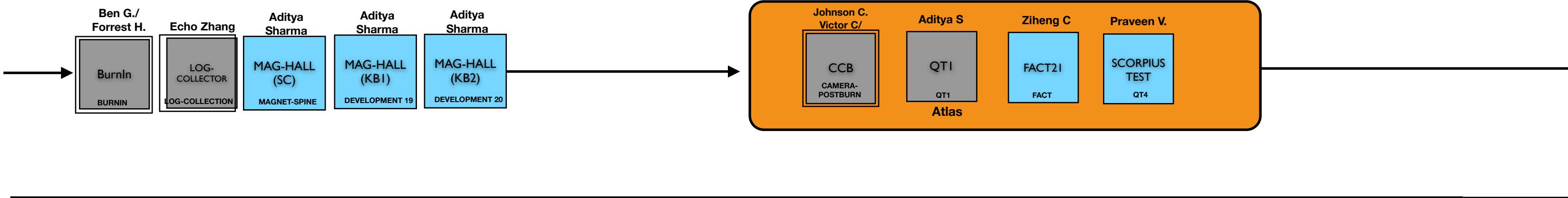
J307/308 P0 Sub-line Test Line Flow



FATP Line (Pre-Snap)



J307/308 P0 FATP Test Line Flow





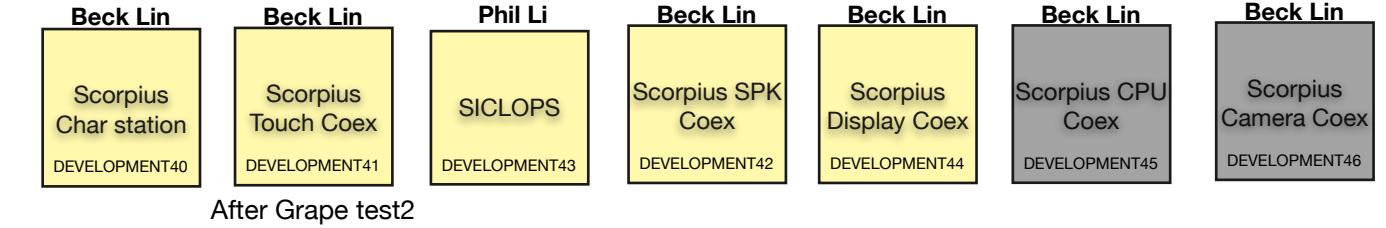
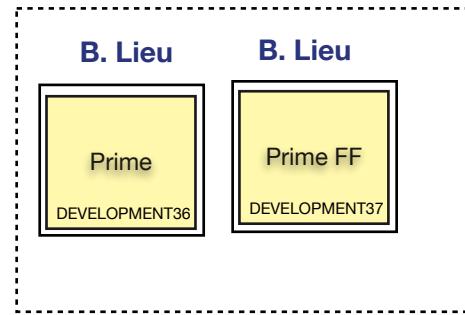
J307/J308 FATP RF Offline Stations - P0

Offline CoEX - 100% Utilization								
Erick Wang	Erick Wang	Erick Wang	ShrutiM	ShrutiM	Erick Wang	Erick Wang	Erick Wang	Erick Wang
COEX OTA PER UAT 100% COEX1	COEX OTA PER LAT 100% COEX2	COEX OTA WIFI ORSSI 100% COEX7	COEX OTA GPS CN 100% COEX3	COEX OTA CELL 100% COEX4	COEX OTA WIFI UAT COEX5	COEX OTA WIFI LAT COEX6	COEX OTA GPS Bojay 100% DEVELOPMENT29	COEX OTA CELL Bojay 100% DEVELOPMENT30
Keep Near Online IQ2200 2x stations TESCOM Box	Keep Near Online IQ2200 2x stations TESCOM Box	Keep Near Online 2x stations Bojay Box	Keep Near Online CMW500 cfg 33 2x stations TESCOM Box	Keep Near Online CMW500 cfg 33 2x stations Bojay Box	Keep Near Online IQ2200 1x station TESCOM Box	Keep Near Online IQ2200 1x station TESCOM Box	Keep Near Online CMW500 cfg 33 2x stations Bojay Box	Keep Near Online CMW500 cfg 33 2x stations Bojay Box
ShrutiM	ShrutiM	ShrutiM	ShrutiM	ShrutiM	ShrutiM	ShrutiM	ShrutiM	ShrutiM
COEX OTA CELL NONCA UAT DEVELOPMENT23	COEX OTA CELL NONCA LAT DEVELOPMENT24	COEX OTA CELL NONCA UAT - TDD DEVELOPMENT25	COEX OTA CELL NONCA LAT - TDD DEVELOPMENT26	COEX OTA CELL CA DEVELOPMENT27	COEX OTA GPS CN2 GPS OTA	Gautham V	REG RSE CHAMBER DEVELOPMENT21	CELL OTA HARMONIC DEVELOPMENT22
CMW500 cfg 33 1x stations TESCOM Box	CMW500 cfg 33 1x stations TESCOM Box	CMW500 cfg 33 1x station TESCOM Box	CMW500 cfg 33 1x station TESCOM Box	CMW500 cfg 33 1x stations TESCOM Box	CMW500 cfg 33 4x stations TESCOM Box	Gautham V	FSW26/CMW500 1x Station	FSW 1x Station Bojay Shield Box



J307/308 P0 FATP Test Line Flow-Offline Station

Online DOE
Station

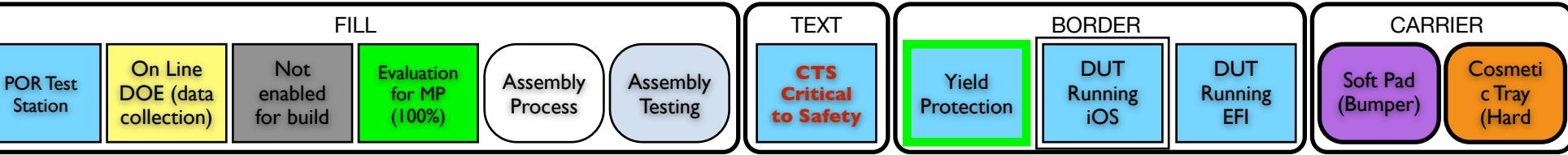




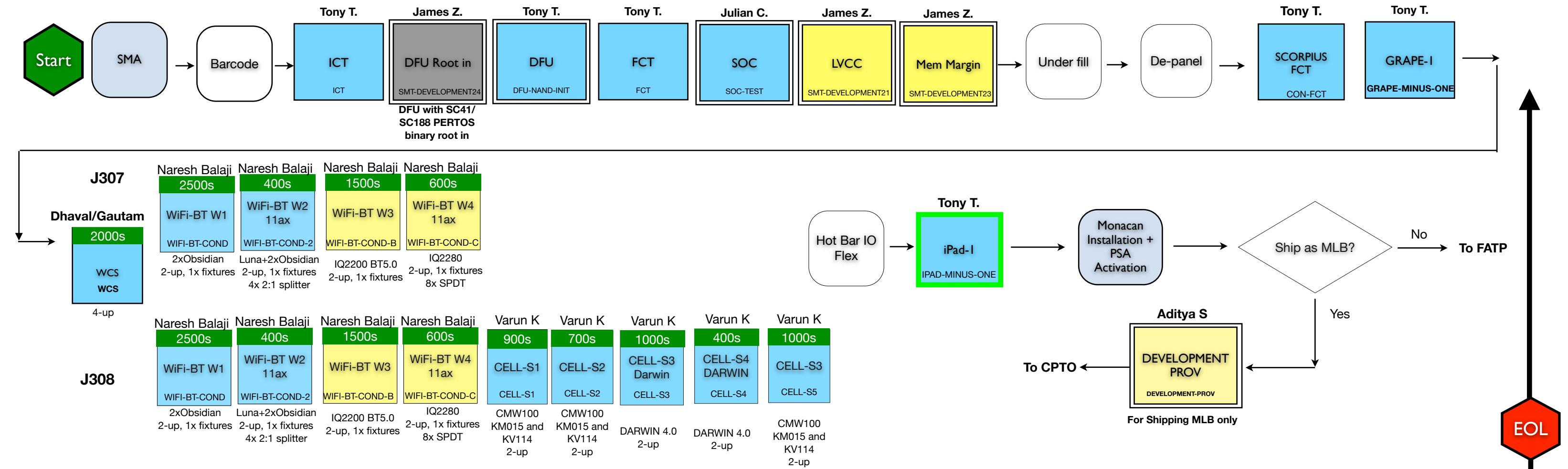
J307/308 Factory Test Flow for P1



SMT J307/308 P1 SMT MLB Test Line



DRI: AP & RF system TDL team





J307/308 MLB RF Test Line Flow- P1 (Offline)

Offline Stations - 100% Utilization

Naresh Balaji	Naresh Balaji	Naresh Balaji	Naresh Balaji
WIFI CHAR J307 SMT-DEVELOPMENT9 J307 only IQ2200 with BT5.0 License 1x Station 1-up	BT CHAR J307 SMT-DEVELOPMENT10 J307 only IQ2200 with BT5.0 License 1x Station 1-up	WIFI CHAR J308 SMT-DEVELOPMENT11 J308 only IQ2200 with BT5.0 License 1x Station 1-up	BT CHAR J308 SMT-DEVELOPMENT12 J308 only IQ2200 with BT5.0 License 1x Station 1-up

Varun K	Varun K	Varun K	Varun K
GSM WCDMA Rx Sens SMT-DEVELOPMENT1 CMW100 KV114 1x Station 100% utilization 1-up	LTE FDD Non CA Rx Sens SMT-DEVELOPMENT2 CMW100 KV114 1x Station 100% utilization 1-up	LTE TDD Rx Sens SMT-DEVELOPMENT3 CMW100 KV114 1x Station 100% utilization 1-up	LTE DLCA Rx Sens SMT-DEVELOPMENT4 CMW100 KV114 1x Station 100% utilization 1-up

Varun K	Varun K	Naresh Balaji
GSM/WCDMA Tx/Rx Linearity SMT-DEVELOPMENT5 CMW100 KV114 1x Station 100% utilization 1-up	LTE TX/RX Linearity SMT-DEVELOPMENT6 CMW100 KV114 1x Station 100% utilization 1-up	WiFi Assoc WIFI-COND 1x fixture 2-up

Offline COEX/Reg Stations - 100% Utilization

(to be tested with RF shield lids on)

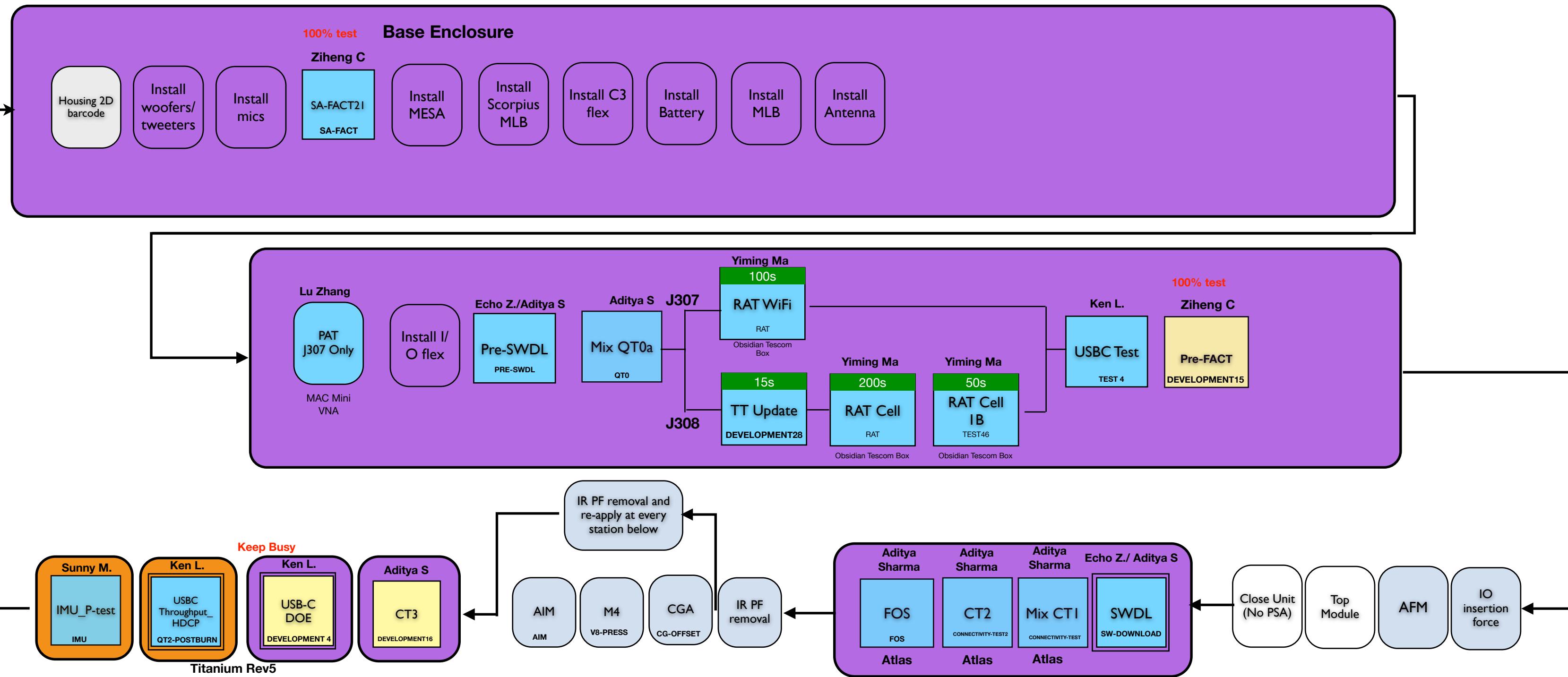
Erick W	Erick W	Erick W	Erick W	Erick W	Erick W
COEX HARMONICS UAT SMT-COEX1 FSW13 1x Station 100% Utilization 1-up in 3-up fixture	COEX HARMONICS LAT SMT-COEX2 FSW13 1x Station 100% Utilization 1-up in 3-up fixture	COEX CELL NON CA SMT-COEX3 CMW500 6x Stations 100% Utilization 1-up in 3-up fixture	COEX CELL CA SMT-COEX4 CMW500 4x Stations 100% Utilization 1-up in 3-up fixture	COEX WIFI 2.4G SMT-COEX5 IQ2200 6x Stations 100% Utilization 1-up in 3-up fixture	COEX WIFI 5G SMT-COEX6 IQ2200 4x Stations 100% Utilization 1-up in 3-up fixture
Erick W	Erick W	COEX WIFI ORSSI SMT-COEX7 IQ2200 4x Station 100% Utilization 1-up in 3-up fixture	COEX GPS CELL-GPS SMT-COEX9 CMW500 Cfg 33 4x Stations 100% Utilization 1-up in 3-up fixture	Suhas K	WIFI BT HARMONIC SMT-DEVELOPMENT19 FSW26 4x Stations 100% Utilization 4-up



J307/308 P1 Sub-line Test Line Flow



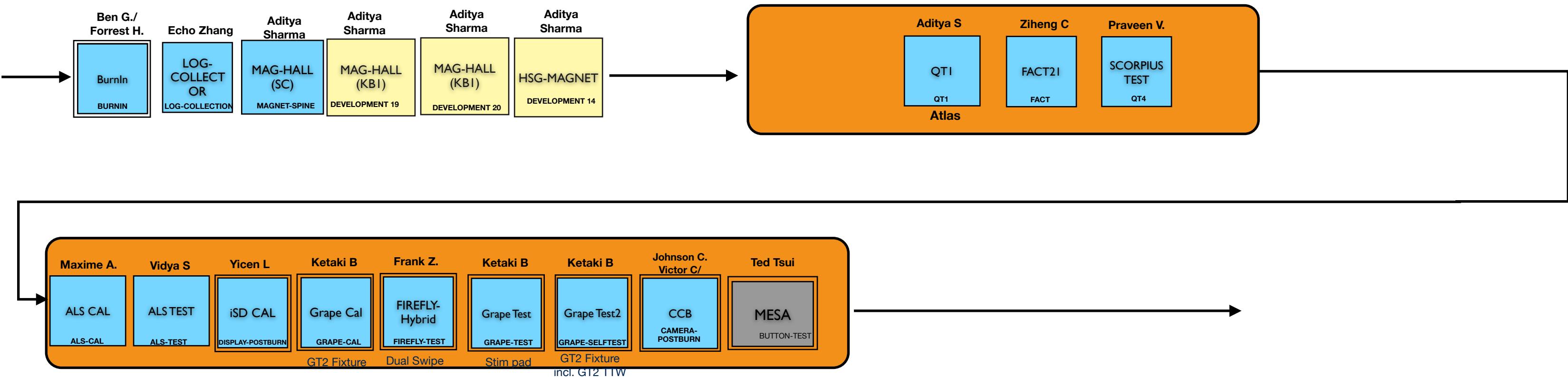
FATP Line (Pre-Snap)



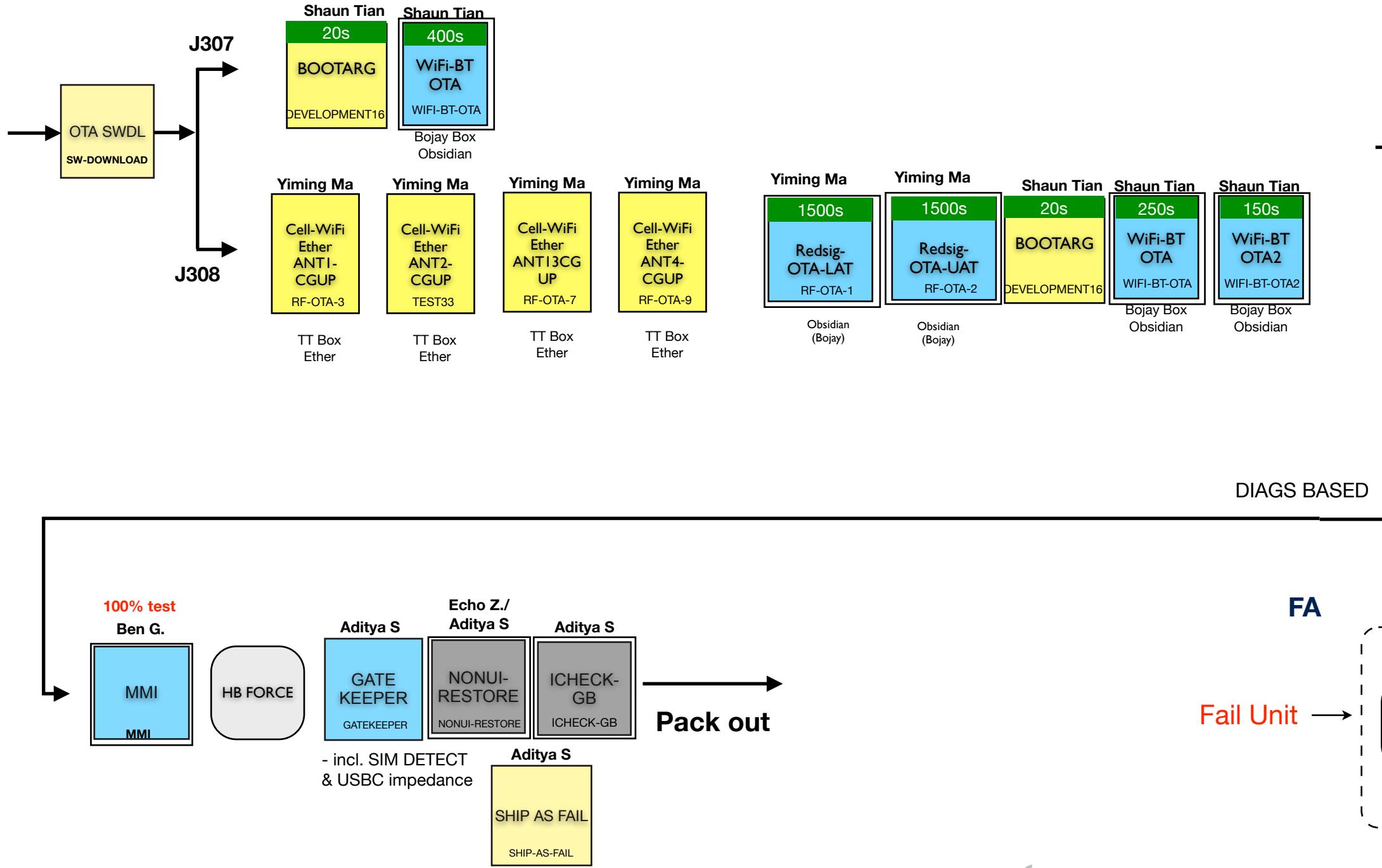
FATP contd on To Next Page



J307/308 P1 FATP Test Line Flow

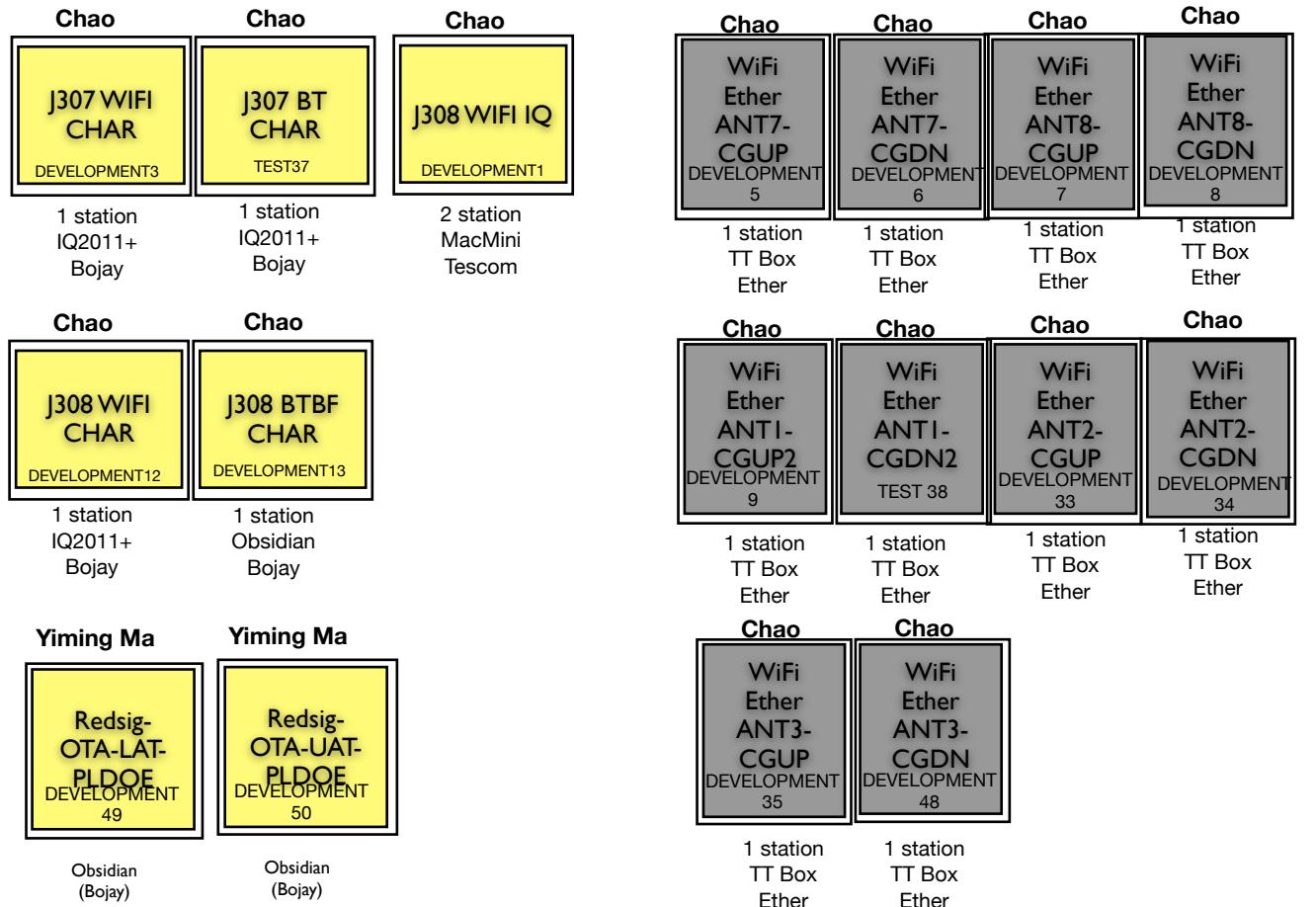


J307/308 P1 FATP Test Line Flow

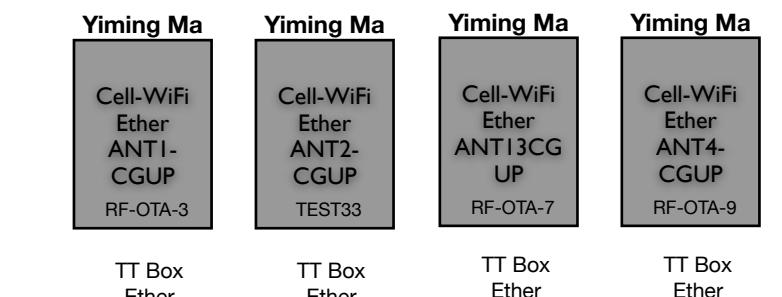


J307/J308 FATP RF Offline Stations P1

Test time UPH	Test time UPH	Not Used Station	Yield Protect	Test Tray	DUT Running NonUI	DUT Running EFI	Assembly Test	Process Station
Offline/ Non-POR Station	PDCA/GH Station	Not Used Station						



100% Utilization - Need unit before they hit OTA station



Offline CoEX - 100% Utilization				
Erick Wang	Erick Wang	Erick Wang	ShrutiM	ShrutiM
COEX OTA PER UAT 100% COEX1	COEX OTA PER LAT 100% COEX2	COEX OTA WIFI ORSSI 100% COEX7	COEX OTA GPS CN 100% COEX3	COEX OTA CELL NONCA 100% COEX4
Keep Near Online IQ2200 2x stations Bojay Box	Keep Near Online IQ2200 2x stations Bojay Box	Keep Near Online IQ2200 2x stations Bojay Box	Keep Near Online CMW500 cfg 33 4x stations TESCOM Box	Keep Near Online CMW500 cfg 33 4x stations TESCOM Box
ShrutiM	ShrutiM	Erick Wang	Erick Wang	Erick Wang
COEX OTA GPS Bojay 100% DEVELOPMENT29	COEX OTA CELL CA100% DEVELOPMENT30	COEX OTA WIFI-BT ISOLATION DEVELOPMENT31	COEX OTA WIFI UAT COEX5	COEX OTA WIFI LAT COEX6
Keep Near Online CMW500 cfg 33 2x stations Bojay Box	Keep Near Online CMW500 cfg 33 4x stations TESCOM Box	IQ2200/2202 2x stations TESCOM Box	IQ2200 3x station TESCOM Box	IQ2200 3x station TESCOM Box
ShrutiM	ShrutiM	ShrutiM	ShrutiM	ShrutiM
COEX OTA CELL NONCA UAT DEVELOPMENT23	COEX OTA CELL NONCA LAT DEVELOPMENT24	COEX OTA CELL NONCA UAT - TDD DEVELOPMENT25	COEX OTA CELL NONCA LAT - TDD DEVELOPMENT26	COEX OTA CELL CA DEVELOPMENT27
CMW500 cfg 33 1x stations TESCOM Box	CMW500 cfg 33 1x stations TESCOM Box	CMW500 cfg 33 1x station TESCOM Box	CMW500 cfg 33 1x station TESCOM Box	CMW500 cfg 33 4x stations TESCOM Box
ShrutiM				
COEX OTA GPS CN2 GPS OTA CMW500 cfg 33 4x stations TESCOM Box				
Gautham V	Gautham V	Gautham V		
G5 REG RSE CHAMBER (3m) DEVELOPMENT20	G5 REG RSE CHAMBER (10m) DEVELOPMENT21	CELL OTA HARMONIC DEVELOPMENT22		
FSW26, CMW500	FSW26, CMW500	FSW		
		Bojay Shield Box 8815/8816 V1.2		



J307/308 FATP RF Offline Stations -



Offline Desense- 100% Utilization - Target unit quantity 30% to 40%

DRI: Nick Doan

Desense Sensitivity Search

GSM Desense LAT RF-DESENSE -G-L	GSM Desense UAT RF-DESENSE-G-U	UMTS Desense LAT RF-DESENSE-U-L	UMTS Desense UAT RF-DESENSE-U-U
3x stations CMW500 cfg 33 Tescom	3x stations CMW500 cfg 33 Tescom	2x stations CMW500 cfg 33 Tescom	2x stations CMW500 cfg 33 Tescom
LTE Desense LAT - L1 RF-DESENSE-OSLO-L	LTE Desense UAT - UI RF-DESENSE-OSLO-U	LTE Desense LAT - L2 DESENSE6	LTE Desense UAT - U2 DESENSE7
2x stations CMW500 cfg 33 Tescom	2x stations CMW500 cfg 33 Tescom	2x stations CMW500 cfg 33 Tescom	2x stations CMW500 cfg 33 Tescom
LTE Desense LAT - L3 DESENSE8		LTE Desense UAT - U3 DESENSE9	
2x stations CMW500 cfg 33 Tescom		2x stations CMW500 cfg 33 Tescom	
LTE Desense LAT - L4 DESENSE10		LTE Desense UAT - U4 CELL-DESENSE	
2x stations CMW500 cfg 33 Tescom		2x stations CMW500 cfg 33 Tescom	
Wifi Desense UAT RF-DESENSE-WIFI	Wifi Desense LAT DESENSE4	BT Sensitivity UAT DESENSE1	BT Sensitivity LAT DESENSE3
2x stations IQ2011+ Tescom	2x stations IQ2011+ Tescom	2x stations IQ2011+ Tescom	2x stations IQ2011+ Tescom

Desense LTEIQ/ Zero RSSI

RF-DESENSE-LTEIQ-HB1 RF-DESENSE-0RSSI-U5	RF-DESENSE-LTEIQ-HB2 RF-DESENSE-GU-L	RF-DESENSE-LTEIQ-TDD1 RF-DESENSE-GU-U
6x stations Tescom	6x stations Tescom	3x stations Tescom
RF-DESENSE-LTEIQ-TDD2 RF-DESENSE-C-L	RF-DESENSE-LTEIQ-TDD3 GSM-UMTS-DESENSE	
3x stations Tescom	3x stations Tescom	
RF-DESENSE-LTEIQ-LB DESENSE2	RF-DESENSE-LTEIQ-CA RF-DESENSE-HULA-L	
6x stations Tescom	4x stations Tescom	
CELL-Bojay-LAT TEST39	CELL-Bojay-UAT TEST40	WIFI-BT-Bojay-LAT TEST41
2x stations Obsidian Bojay	2x stations Obsidian Bojay	2x stations IQ2011 + Bojay
WIFI-BT-Bojay-UAT TEST42		2x stations IQ2011 + Bojay



J307/308 P0 FATP Test Line Flow-Offline Station

Online DOE
Station

