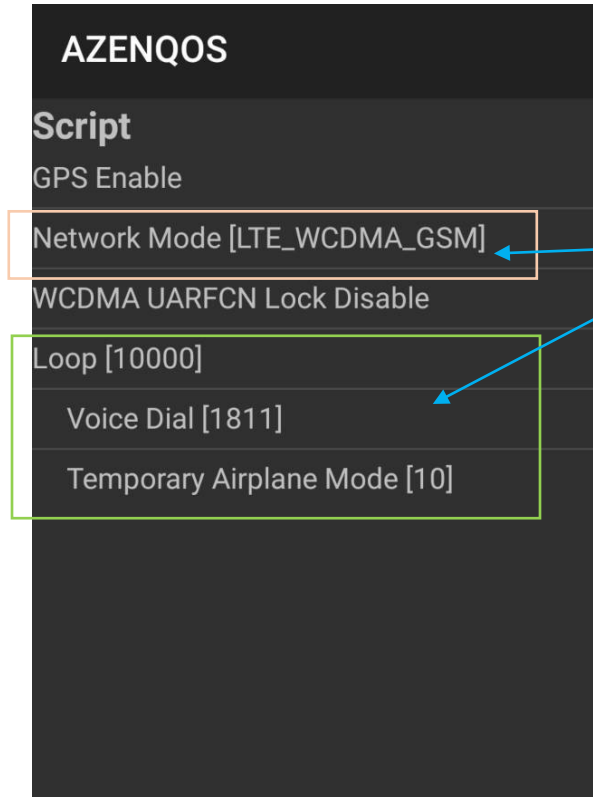


สิ่งที่ส่งมาด้วย : รายงานผลการตรวจสอบคุณภาพสัญญาณโทรศัพท์เคลื่อนที่ จ.กาญจนบุรี

Log Hash					
Location	Voice_300s_airplane	voice_300s_850M	data AllNetwork	data 2100	data 2300
ทางหลวง 346	440670092996623002, 440670092996618296		478185425441372798, 478185425441367815		
ทางหลวง 324	440670092996624834		478185425441374678		
อ.ทองผาภูมิ	440670092996692143, 440670092996690915, 440670092996636217		478185425441441940, 478185425441440732, 478185425441386054	440671548990605441, 440671548990604213, 478194217239442333	478194217239496844, 478194217239495635
ทางหลวง 323	440670092996702351, 440670092996697920, 440670092996633352, 440670092996627251		478185425441452158, 478185425441447727, 478185425441383173, 478185425441377088		
อ. สังขละบุรี	440670092996706895		478185425441456734	440671548990620277	478194217239511616
ทางหลวง 3272	440670092996715707	440670092996787670	478185425441465546		
ทางหลวง 4088	440670092996719385		478185425441469214		
ต. ปิ่ลือก	440670092996782698, 440670092996777595	440670092996786450, 440670092996785032	478185425441531931, 478185425441527452	440671548990695422, 440671548990690968	478194217239582362
ทางหลวง 3457	440670092996799368	478194217239604069			
ทางหลวง 3199	440670092996808321, 440670092996806127, 440670092996801803	478194217239614094, 478194217239613050, 478194217239610870, 478194217239606571			
ทางหลวง 4041	440670092996809299	478194217239617712			

Script Name : *Voice_300s_airplane*



Loop ทำการโทร 300 sec แล้วให้ทำ airplane mode 10 sec เพื่อหา network ใหม่
จุดประสงค์เพื่อ

1. (กรณีเข้าใช้ LTE) เพื่อดูการทำ CS Fallback (CSFB)
2. (กรณีเข้าใช้ WCDMA) เพื่อตรวจสอบการส่งต่อสัญญาณ เข้าใช้ node ที่ AWN ไม่เปิดให้ NT

ทางหลวง หมายเลข 346

Log Distance (km) 70.70565

Script : Voice_300s_airplane

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	9.65449161
Technology Coverage WCDMA (% samples)	90.3455084
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	94.1176471
RRC Session set up success rate %	100
RRC Session abnormal release rate %	0
RRC Session establishment time (ms)	67.5128205
% RRC Success Rate	100.00
Cell reselection WCDMA to LTE duration (millis)	1,574.43
Cell reselection LTE to WCDMA success count	17.00
Cell reselection WCDMA to LTE success count	14.00
WCDMA	Results
3G RRC Attempts	18.00
3G RRC Failure	0.00
3G RRC Success	18.00
3G Call Setup Time (ms)	3634.5
LAU Attempts	16
LAU Failure	0
LAU Success	16
LAU Success Rate %	100

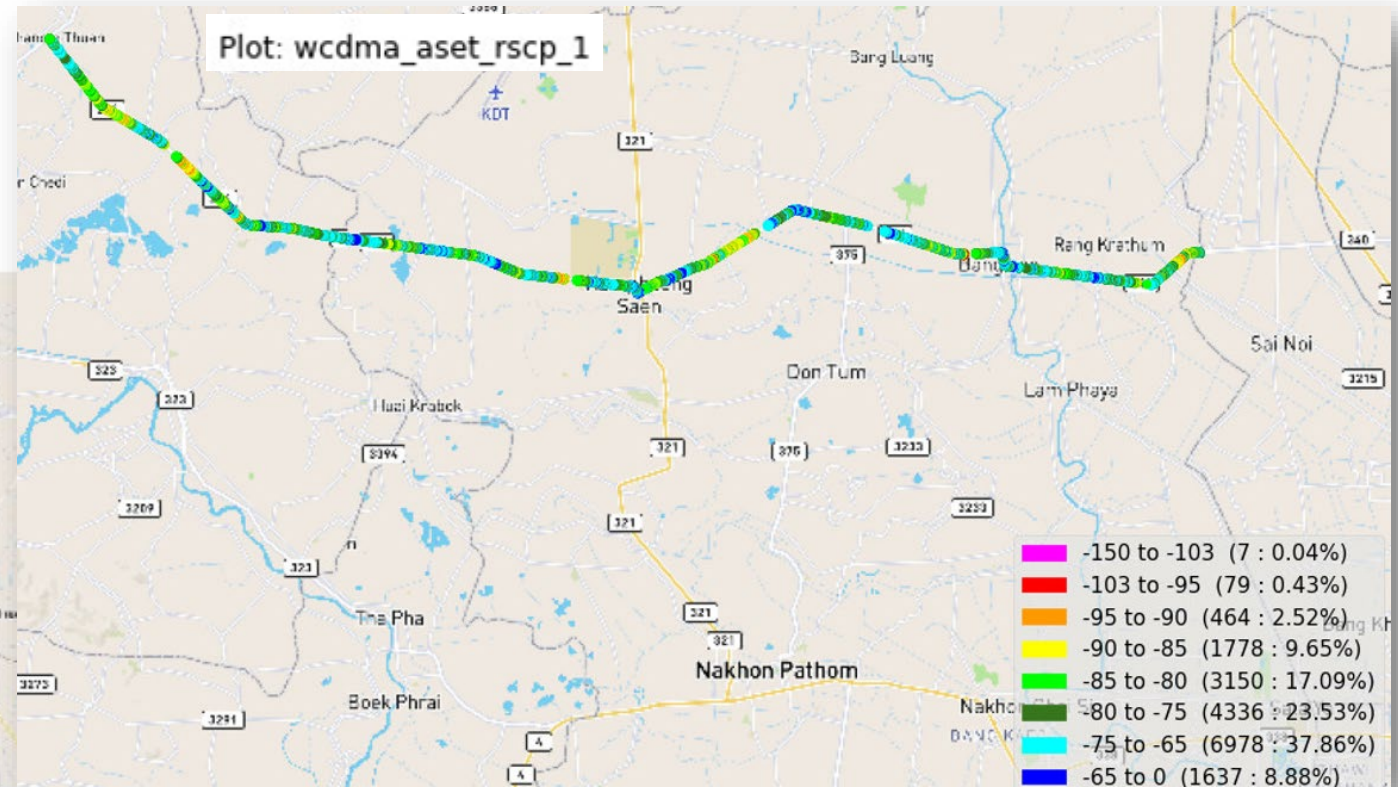
WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-5.1949261
RSCP Avg (First Best) (dBm)	-75.8042538
Ec/Io Avg (Active Set Avg) (dB)	-5.98882833
RSCP Avg (Active Set Avg) (dBm)	-76.5989256
RSSI Avg (dBm)	-70.5519208
Tx Power Avg (dBm)	-17.7022939
BLER Avg (%)	0.38582489
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.43046286
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	324
Number of Handover Success	324
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	106

Voice Call			
Technology	CSFB	3G	All
Call Attempt	14	2	16
Blocked Call	0	0	0
Dropped Call (Default Inc. post-alerting drop)	0	0	0
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	14	2	16
Calls Established (Answer)	14	2	16
Calls End	14	2	16
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)	100	100	100
CSSR - Call Setup Success Rate (%)	100	100	100
Call Setup Duration -Average (ms)	5428.71429	3634.5	5204.4375

ทางหลวง หมายเลข 346

Log Distance (km) 70.70565

Script : *Voice_300s_airplane*



ทางหลวง หมายเลข 324

Log Distance (km) 22.9594

Script : Voice_300s_airplane

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	6.53917335
Technology Coverage WCDMA (% samples)	93.4608267
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	100
RRC Session set up success rate %	100
RRC Session abnormal release rate %	0
RRC Session establishment time (ms)	67.25
% RRC Success Rate	100.00
Cell reselection WCDMA to LTE duration (millis)	2,253.50
Cell reselection LTE to WCDMA success count	7.00
Cell reselection WCDMA to LTE success count	4.00
WCDMA	Results
3G RRC Attempts	14.00
3G RRC Failure	0.00
3G RRC Success	14.00
3G Call Setup Time (ms)	3176
LAU Attempts	4
LAU Failure	0
LAU Success	4
LAU Success Rate %	100

WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-4.90088233
RSCP Avg (First Best) (dBm)	-78.3554688
Ec/Io Avg (Active Set Avg) (dB)	-5.74979413
RSCP Avg (Active Set Avg) (dBm)	-79.1955425
RSSI Avg (dBm)	-73.4179389
Tx Power Avg (dBm)	-12.3954291
BLER Avg (%)	1.09206514
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.52172559
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	115
Number of Handover Success	115
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	49

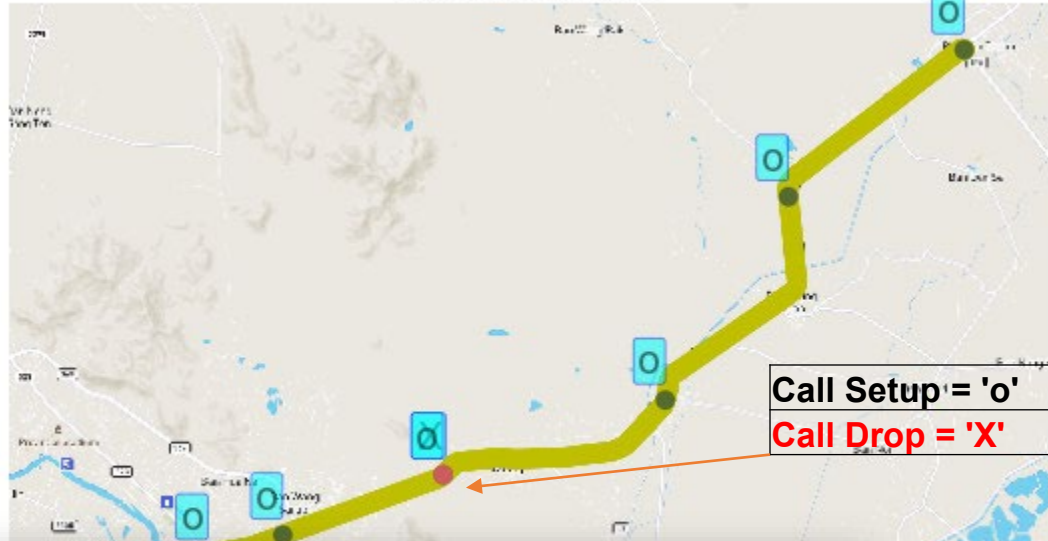
Voice Call			
Technology	CSFB	3G	All
Call Attempt	5	1	6
Blocked Call	0	0	0
Dropped Call (Default Inc. post-alerting drop)	1	0	1
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	5	1	6
Calls Established (Answer)	5	1	6
Calls End	4	1	5
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)	100	100	100
CSSR - Call Setup Success Rate (%)	100	100	100
Call Setup Duration -Average (ms)	4809.8	3176	4537.5

ทางหลวง หมายเลข 324

Log Distance (km) 22.9594

Script : Voice_300s_airplane

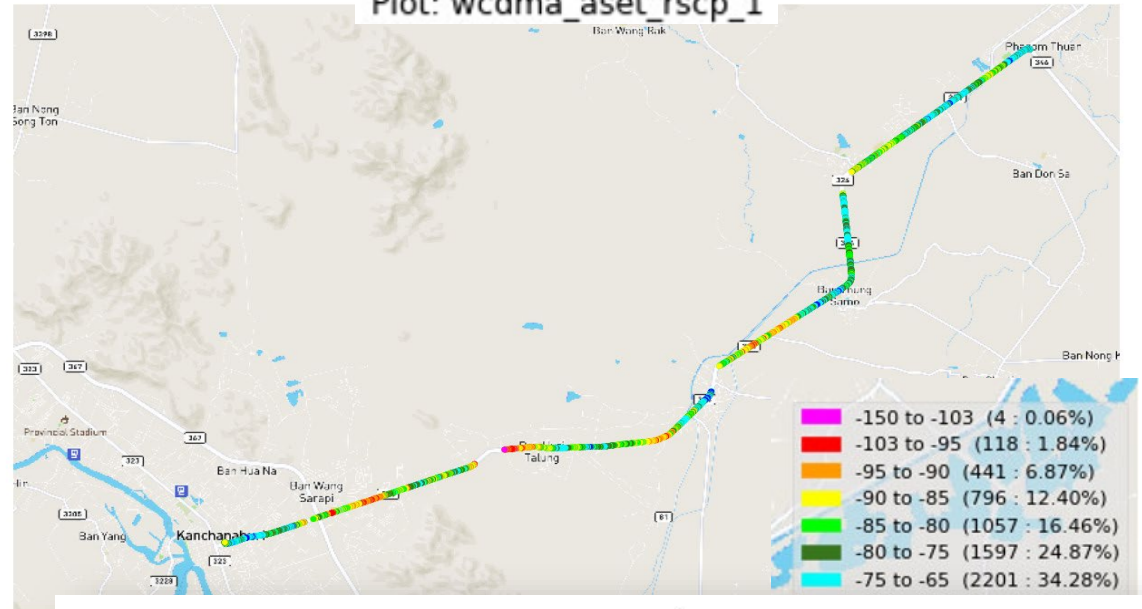
call_setup_and_drop



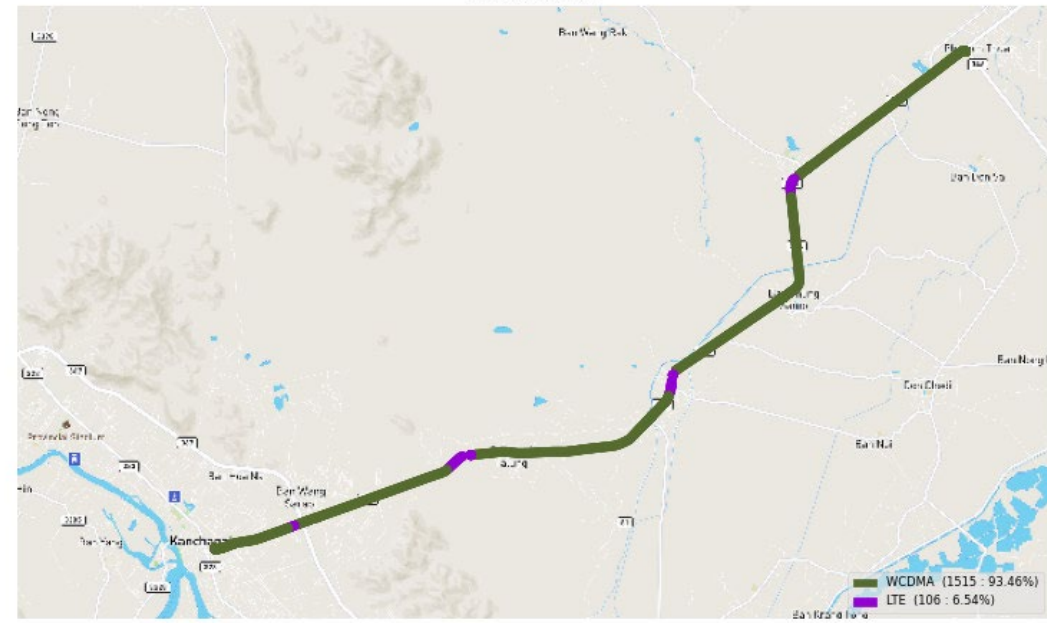
call_setup_and_block



Plot: wcdma_aset_rscp_1



system_mode



อ.ทองพายุภูมิ

Log Distance (km) 14.01

Script : Voice_300s_airplane

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	6.53917335
Technology Coverage WCDMA (% samples)	93.4608267
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	100
RRC Session set up success rate %	100
RRC Session abnormal release rate %	0
RRC Session establishment time (ms)	67.25
% RRC Success Rate	100.00
Cell reselection WCDMA to LTE duration (millis)	2,253.50
Cell reselection LTE to WCDMA success count	7.00
Cell reselection WCDMA to LTE success count	4.00
WCDMA	Results
3G RRC Attempts	14.00
3G RRC Failure	0.00
3G RRC Success	14.00
3G Call Setup Time (ms)	3176
LAU Attempts	4
LAU Failure	0
LAU Success	4
LAU Success Rate %	100

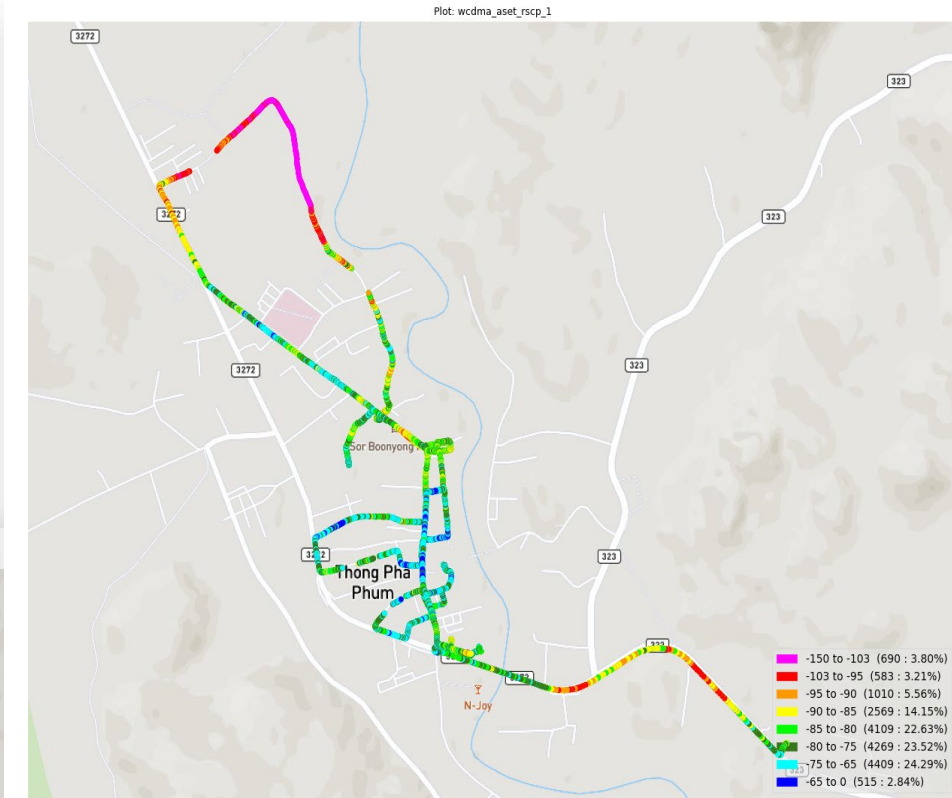
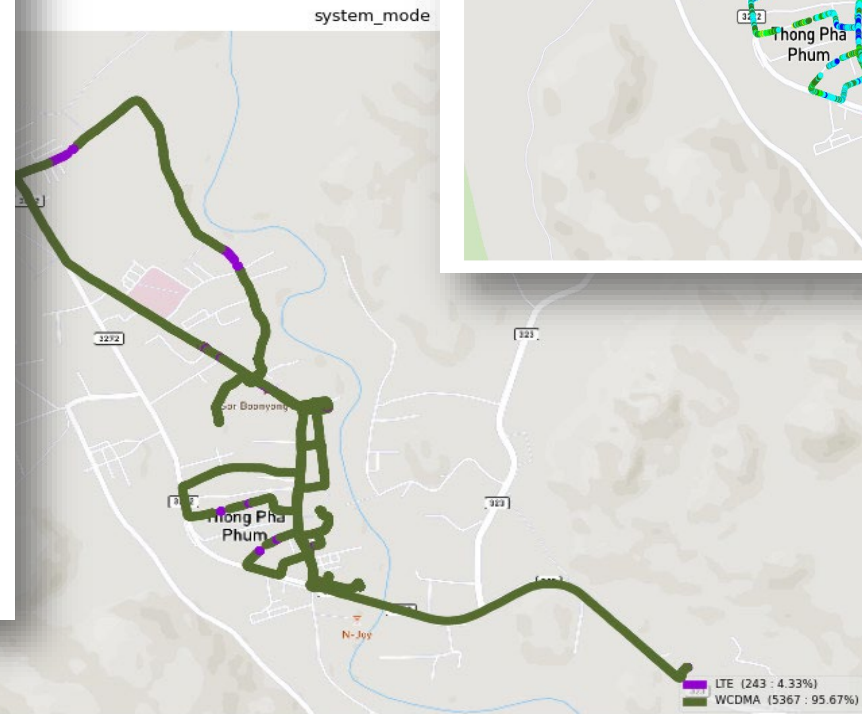
WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-5.84443032
RSCP Avg (First Best) (dBm)	80.808416
Ec/Io Avg (Active Set Avg) (dB)	-6.37950188
RSCP Avg (Active Set Avg) (dBm)	-81.3305769
RSSI Avg (dBm)	-74.9711613
Tx Power Avg (dBm)	-12.6688116
BLER Avg (%)	0.54543294
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.3290184
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	147
Number of Handover Success	147
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	10

Voice Call			
Technology	CSFB	3G	All
Call Attempt	15	0	15
Blocked Call	0	0	0
Dropped Call (Default Inc. post-alerting drop)	0	0	0
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	15	0	15
Calls Established (Answer)	15	0	15
Calls End	15	0	15
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)	100		100
CSSR - Call Setup Success Rate (%)	100		100
Call Setup Duration -Average (ms)	5366.86667		5366.86667

อ.ทองผาภูมิ

Log Distance (km) 14.01

Script : *Voice_300s_airplane*



ทางหลวง หมายเลข 323

Log Distance (km) 229.06

Script : Voice_300s_airplane

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	3.20359281
Technology Coverage WCDMA (% samples)	96.7889222
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	88.6792453
RRC Session set up success rate %	95.2380952
RRC Session abnormal release rate %	0
RRC Session establishment time (ms)	62.175
% RRC Success Rate	100.00
Cell reselection WCDMA to LTE duration (millis)	357.08
Cell reselection LTE to WCDMA success count	54.00
Cell reselection WCDMA to LTE success count	12.00
WCDMA	Results
3G RRC Attempts	109.00
3G RRC Failure	0.00
3G RRC Success	109.00
3G Call Setup Time (ms)	5541.5
LAU Attempts	53
LAU Failure	6
LAU Success	47
LAU Success Rate %	88.6792453

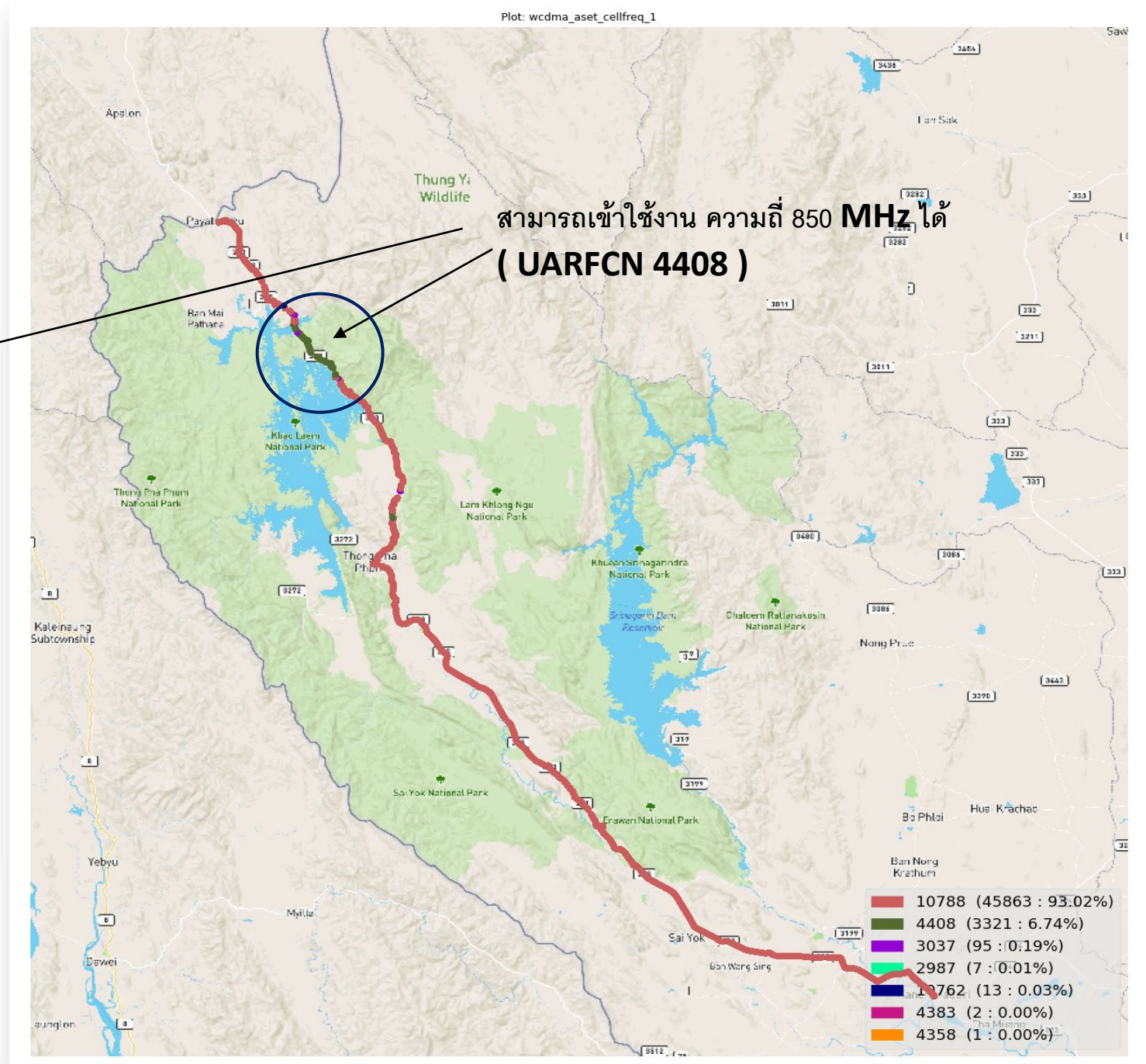
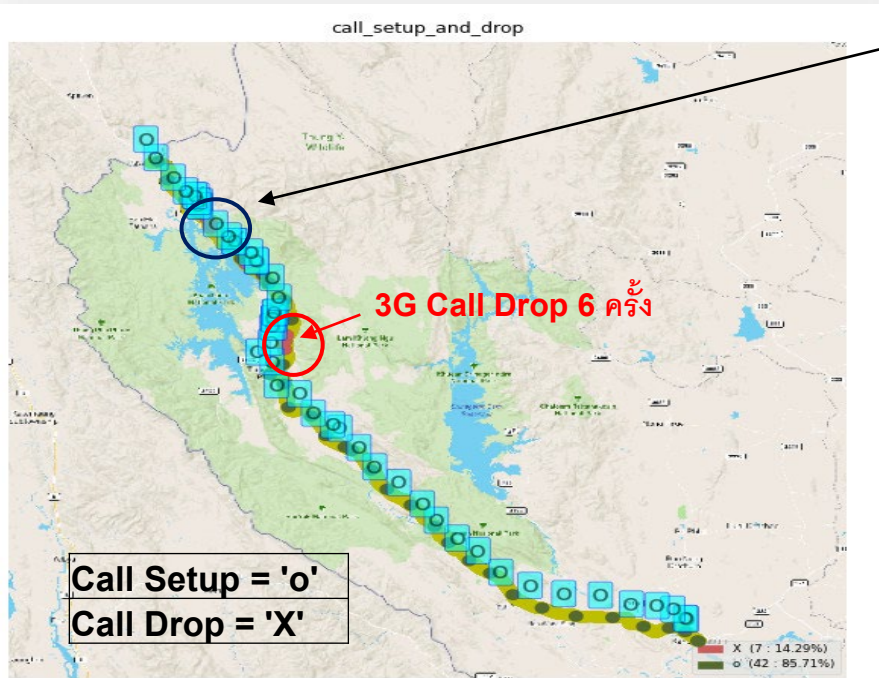
WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-5.77669888
RSCP Avg (First Best) (dBm)	-84.580341
Ec/Io Avg (Active Set Avg) (dB)	-6.27312818
RSCP Avg (Active Set Avg) (dBm)	-85.0788787
RSSI Avg (dBm)	-78.8348134
Tx Power Avg (dBm)	-6.06996994
BLER Avg (%)	1.32851681
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.26551189
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	503
Number of Handover Success	503
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	183

Voice Call			
Technology	CSFB	3G	All
Call Attempt	16	26	42
Blocked Call	0	0	0
Dropped Call (Default Inc. post-alerting drop)	1	6	7
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	16	26	42
Calls Established (Answer)	16	26	42
Calls End	15	20	35
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)	100	100	100
CSSR - Call Setup Success Rate (%)	100	100	100
Call Setup Duration -Average (ms)	4865.1875	5541.5	5283.857143

ทางหลวง หมายเลข 323

Log Distance (km) 229.06

Script : Voice_300s_airplane



อ.สังขละบุรี

Log Distance (km) 25.997

Script : Voice_300s_airplane

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	4.55019104
Technology Coverage WCDMA (% samples)	95.449809
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	93.3333333
RRC Session set up success rate %	100
RRC Session abnormal release rate %	0
RRC Session establishment time (ms)	67.9545455
% RRC Success Rate	100.00
Cell reselection WCDMA to LTE duration (millis)	158.71
Cell reselection LTE to WCDMA success count	16.00
Cell reselection WCDMA to LTE success count	7.00
WCDMA	Results
3G RRC Attempts	24.00
3G RRC Failure	0.00
3G RRC Success	24.00
3G Call Setup Time (ms)	
LAU Attempts	15
LAU Failure	1
LAU Success	14
LAU Success Rate %	93.3333333

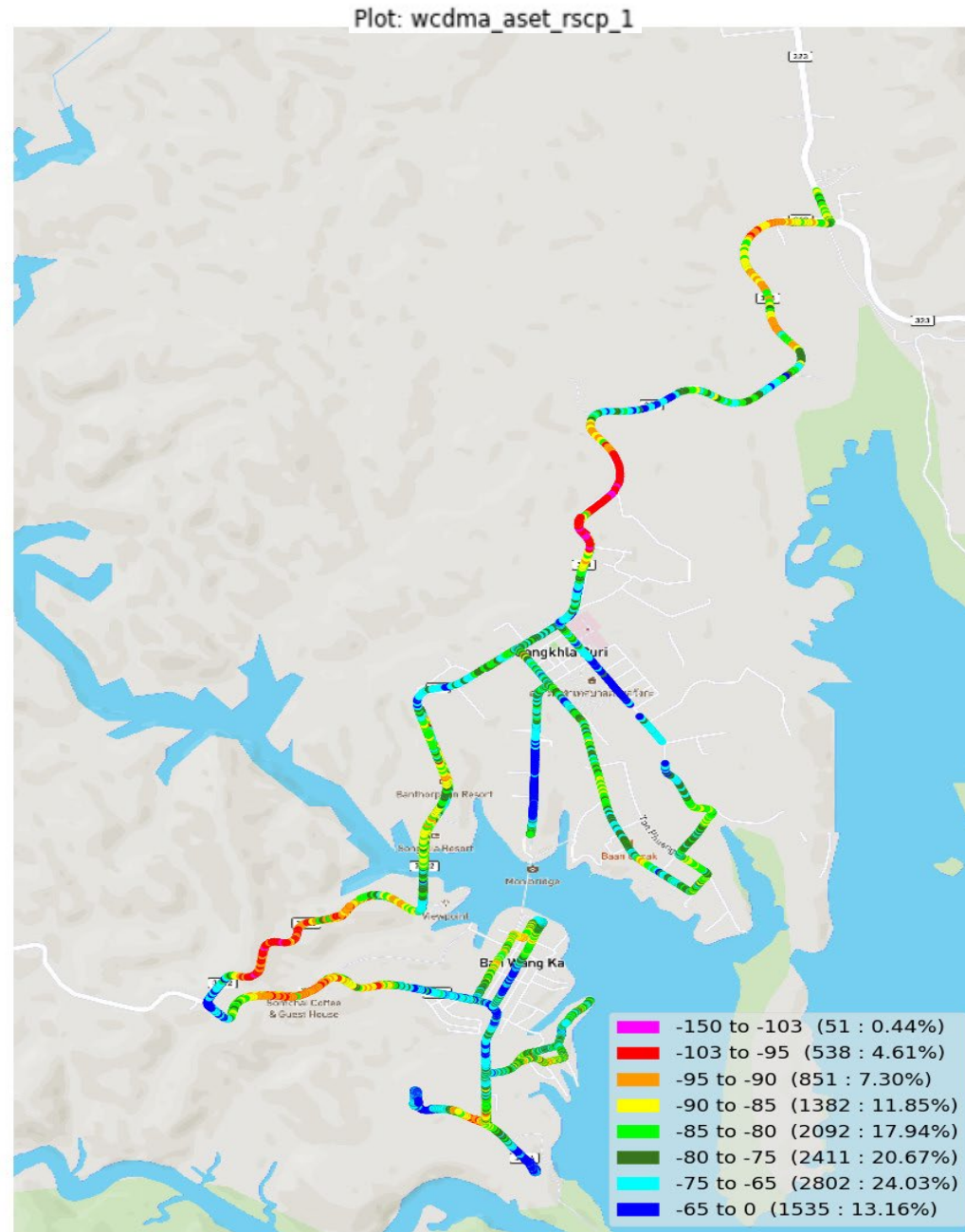
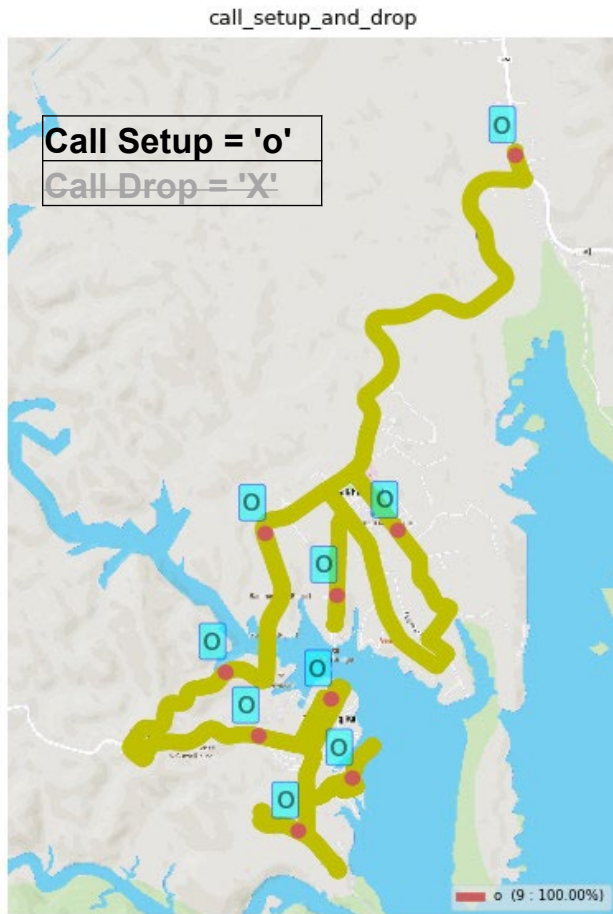
WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-6.86793452
RSCP Avg (First Best) (dBm)	77.524348
Ec/Io Avg (Active Set Avg) (dB)	-7.63242477
RSCP Avg (Active Set Avg) (dBm)	-78.2968305
RSSI Avg (dBm)	-70.6733758
Tx Power Avg (dBm)	-14.7699482
BLER Avg (%)	0.51058984
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.4119362
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	211
Number of Handover Success	211
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	33

Voice Call			
Technology	CSFB	3G	All
Call Attempt	9	0	9
Blocked Call	0	0	0
Dropped Call (Default Inc. post-alerting drop)	0	0	0
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	9	0	9
Calls Established (Answer)	9	0	9
Calls End	9	0	9
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)	100		100
CSSR - Call Setup Success Rate (%)	100		100
Call Setup Duration -Average (ms)	5929.89		5929.888889

อ.สังขละบุรี

Log Distance (km) 25.997

Script : Voice_300s_airplane



ทางหลวง หมายเลข 3272

Log Distance (km) 48.9

Script : *Voice_300s_airplane*

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	0
Technology Coverage WCDMA (% samples)	100
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	100
RRC Session set up success rate %	
RRC Session abnormal release rate %	
RRC Session establishment time (ms)	
% RRC Success Rate	96.30
Cell reselection WCDMA to LTE duration (millis)	
Cell reselection LTE to WCDMA success count	8.00
Cell reselection WCDMA to LTE success count	0.00
WCDMA	Results
3G RRC Attempts	27.00
3G RRC Failure	1.00
3G RRC Success	26.00
3G Call Setup Time (ms)	5501.5
LAU Attempts	9
LAU Failure	0
LAU Success	9
LAU Success Rate %	100

WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-6.38688742
RSCP Avg (First Best) (dBm)	-92.3830994
Ec/Io Avg (Active Set Avg) (dB)	-6.95980273
RSCP Avg (Active Set Avg) (dBm)	-92.9608953
RSSI Avg (dBm)	-85.9999314
Tx Power Avg (dBm)	0.41266201
BLER Avg (%)	1.680496
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.36017237
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	108
Number of Handover Success	108
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	31

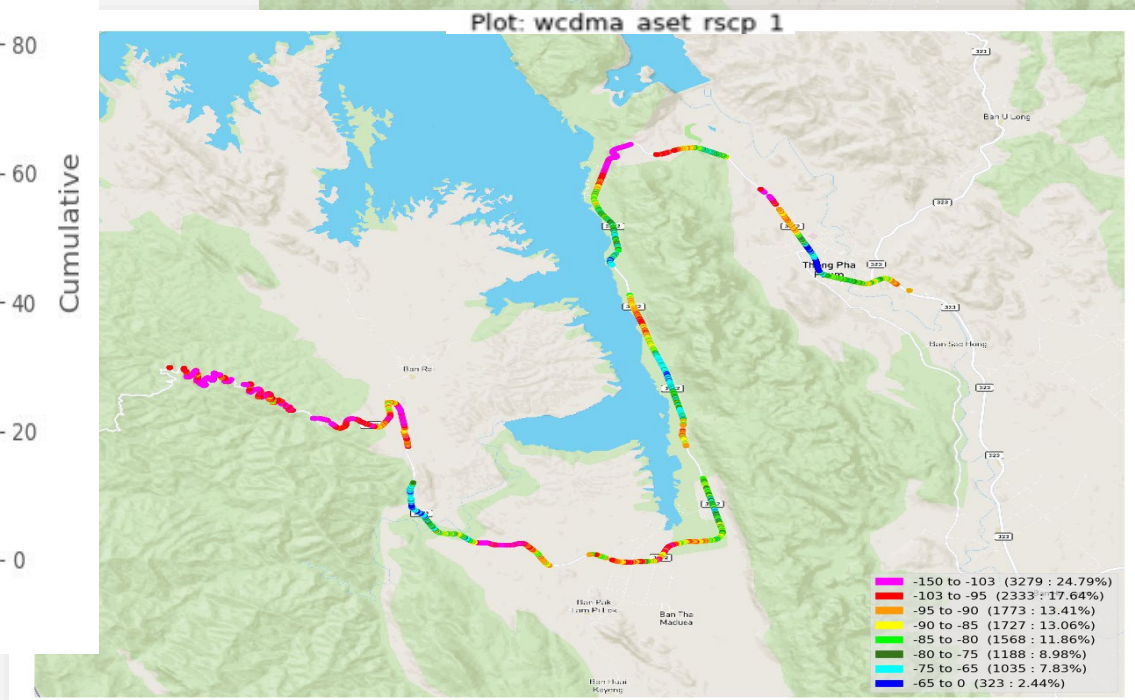
Voice Call			
Technology	CSFB	3G	All
Call Attempt	0	10	10
Blocked Call	0	0	0
Dropped Call (Default Inc. post-alerting drop)	0	0	0
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	0	10	10
Calls Established (Answer)	0	10	10
Calls End	0	10	10
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)		100	100
CSSR - Call Setup Success Rate (%)		100	100
Call Setup Duration -Average (ms)		5501.5	5501.5

ทางหลวง หมายเลข 3272

Log Distance (km) 48.9

Script : *Voice_300s_airplane*

เข้าใช้งาน ความถี่ 850 **MHz** ตลอดเส้นทาง
(**UARFCN 4408**)



ทางหลวง หมายเลข 3272

Log Distance (km) 48.9

Script : *Voice_300s_airplane*

call_setup_and_drop



call_setup_and_block



ทางหลวง หมายเลข 4088

Log Distance (km) 21.8163

Script : *Voice_300s_airplane*

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	7.46169221
Technology Coverage WCDMA (% samples)	92.338441
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	25
RRC Session set up success rate %	100
RRC Session abnormal release rate %	0
RRC Session establishment time (ms)	98.7857143
% RRC Success Rate	7.18
Cell reselection WCDMA to LTE duration (millis)	5,746.40
Cell reselection LTE to WCDMA success count	11.00
Cell reselection WCDMA to LTE success count	5.00
WCDMA	Results
3G RRC Attempts	362.00
3G RRC Failure	336.00
3G RRC Success	26.00
3G Call Setup Time (ms)	3525.33333
LAU Attempts	19
LAU Failure	14
LAU Success	5
LAU Success Rate %	26.31578

WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-7.22758901
RSCP Avg (First Best) (dBm)	-98.2117784
Ec/Io Avg (Active Set Avg) (dB)	-7.98048812
RSCP Avg (Active Set Avg) (dBm)	-98.9651988
RSSI Avg (dBm)	-90.9705478
Tx Power Avg (dBm)	13.3270998
BLER Avg (%)	28.386348
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.27525036
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	67
Number of Handover Success	67
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	29

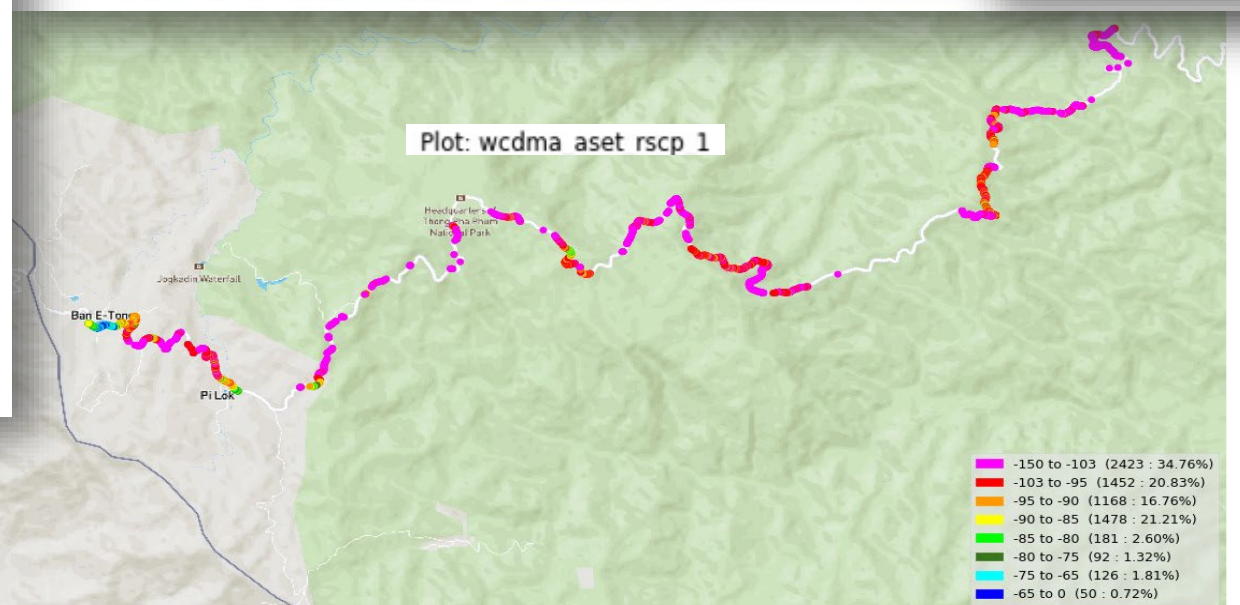
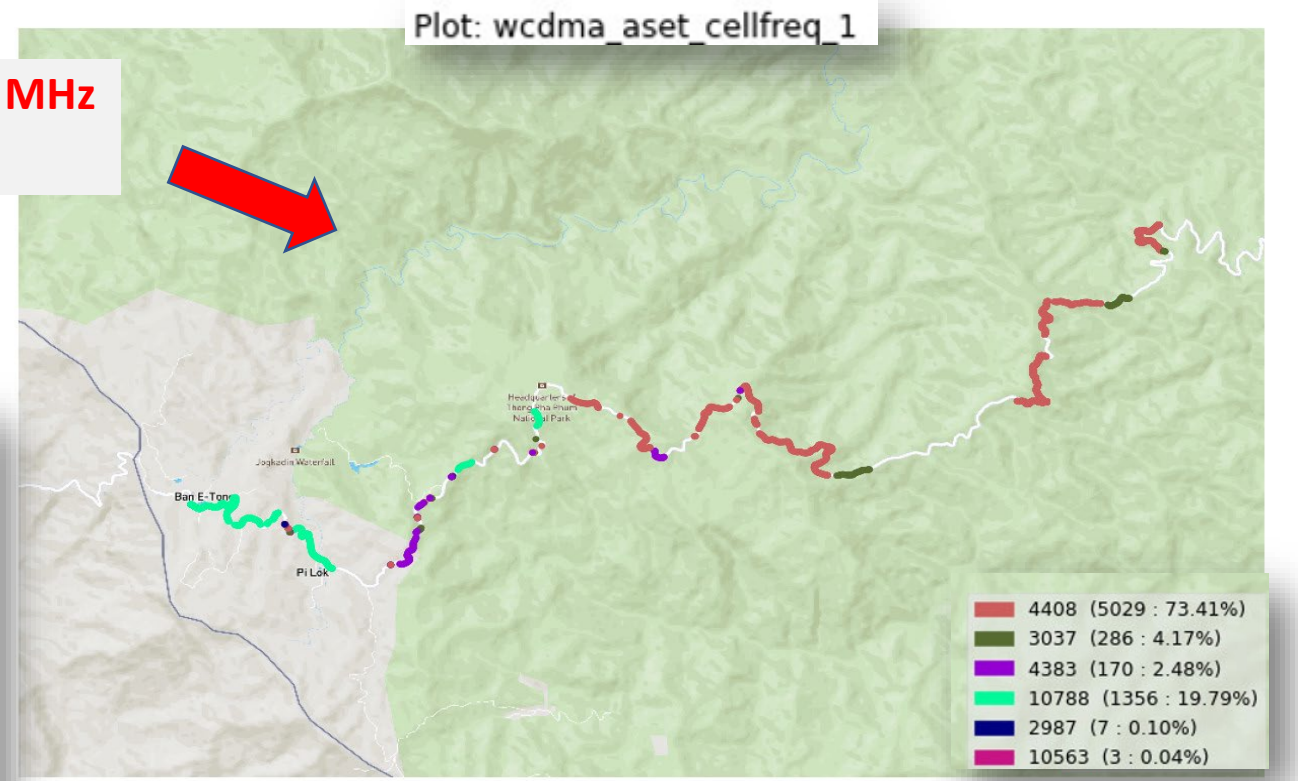
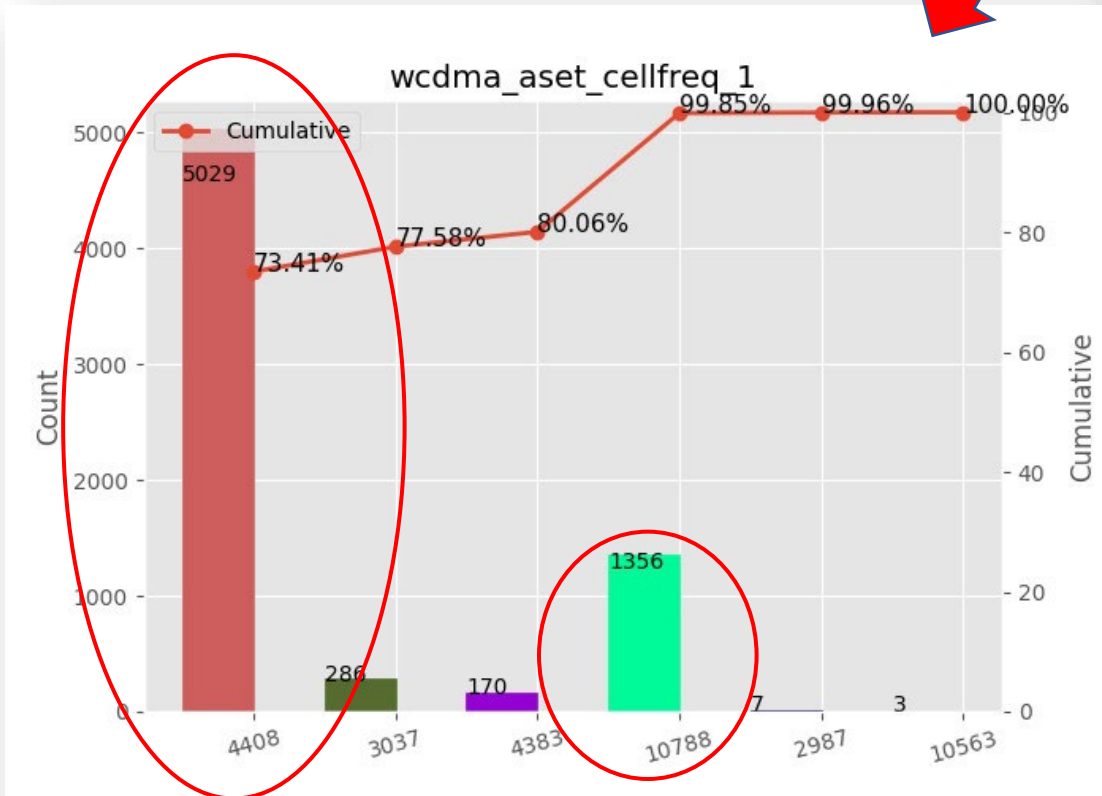
Voice Call			
Technology	CSFB	3G	All
Call Attempt	2	12	14
Blocked Call	0	9	9
Dropped Call (Default Inc. post-alerting drop)	2	1	3
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	2	3	5
Calls Established (Answer)	2	3	5
Calls End	0	2	2
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)	100	25	35.71428571
CSSR - Call Setup Success Rate (%)	100	25	35.71428571
Call Setup Duration -Average (ms)	5285	3525.33333	4229.2

ทางหลวง หมายเลข 4088

Log Distance (km) 21.8163

Script : Voice_300s_airplane

สลับเข้าความถี่ 850 <-> 2100 MHz
(UARFCN 4408)

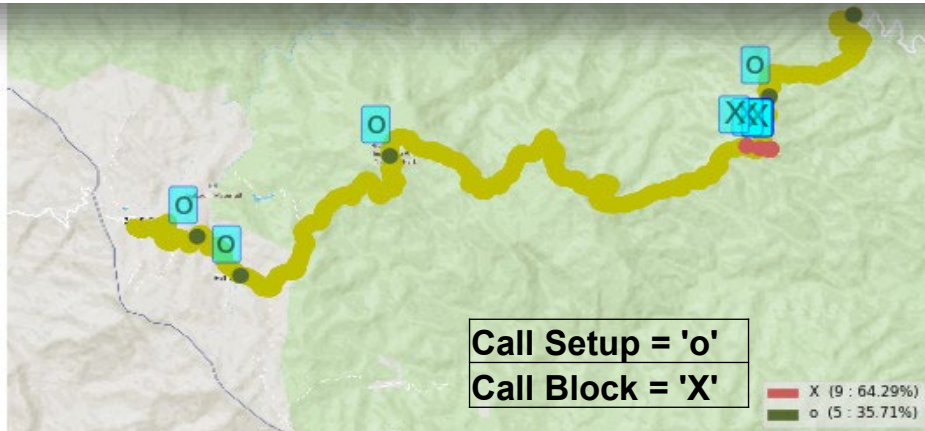
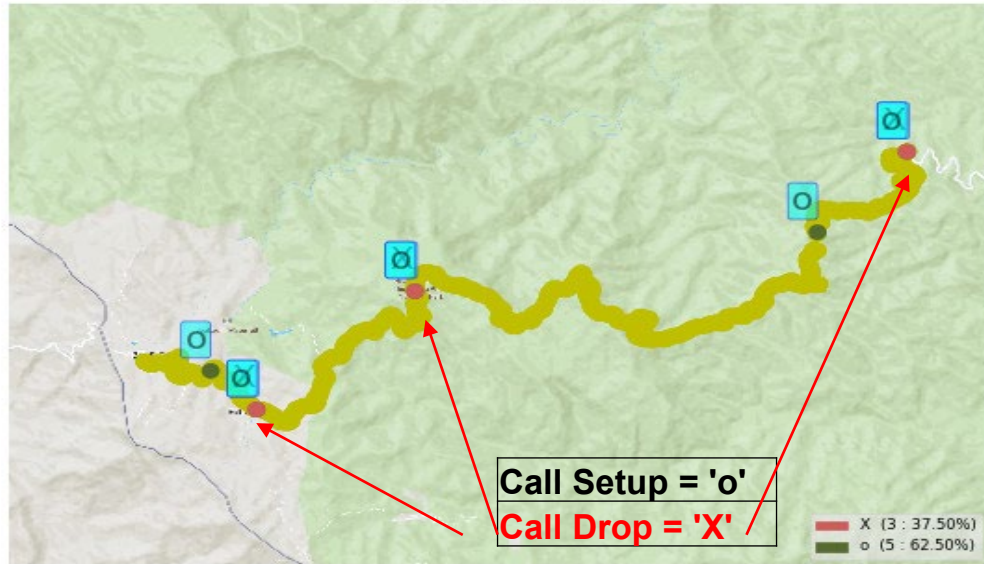


ทางหลวง หมายเลข 4088

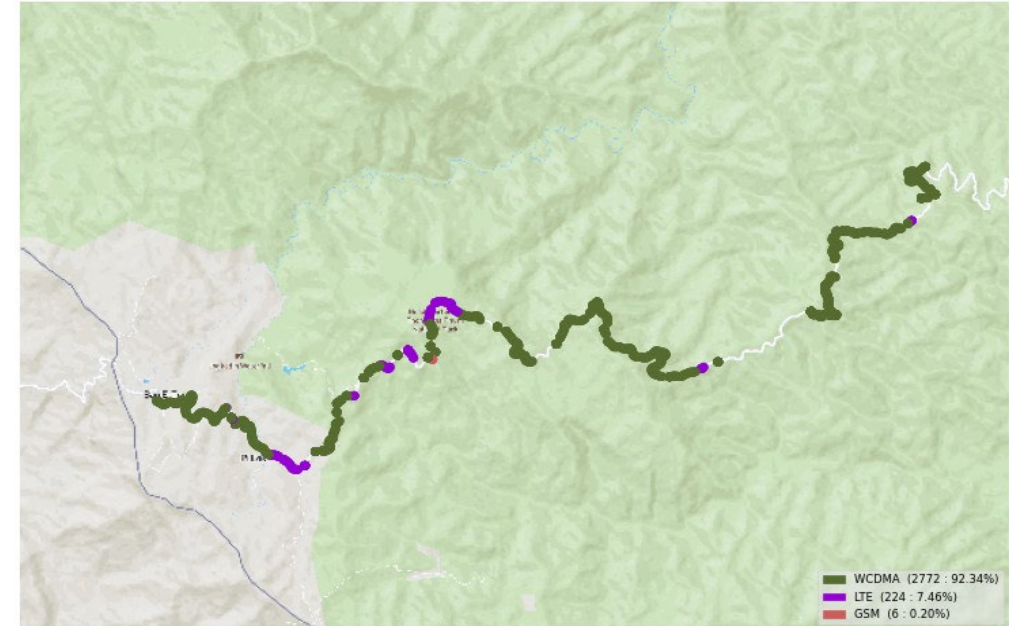
Log Distance (km) 21.8163

Script : *Voice_300s_airplane*

call_setup_and_drop



system_mode



ต. ปัสค

Log Distance (km) 2.31132

Script : Voice_300s_airplane

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	2.38410596
Technology Coverage WCDMA (% samples)	97.615894
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	81.8181818
RRC Session set up success rate %	100
RRC Session abnormal release rate %	0
RRC Session establishment time (ms)	71.7777778
% RRC Success Rate	100.00
Cell reselection WCDMA to LTE duration (millis)	206.50
Cell reselection LTE to WCDMA success count	11.00
Cell reselection WCDMA to LTE success count	4.00
WCDMA	Results
3G RRC Attempts	22.00
3G RRC Failure	0.00
3G RRC Success	22.00
3G Call Setup Time (ms)	4956.33333
LAU Attempts	11
LAU Failure	2
LAU Success	9
LAU Success Rate %	81.8181818

WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-3.17331366
RSCP Avg (First Best) (dBm)	73.420183
Ec/Io Avg (Active Set Avg) (dB)	-3.51347488
RSCP Avg (Active Set Avg) (dBm)	-73.7503825
RSSI Avg (dBm)	-70.263898
Tx Power Avg (dBm)	-19.383773
BLER Avg (%)	1.30907449
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.16967391
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	57
Number of Handover Success	57
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	7

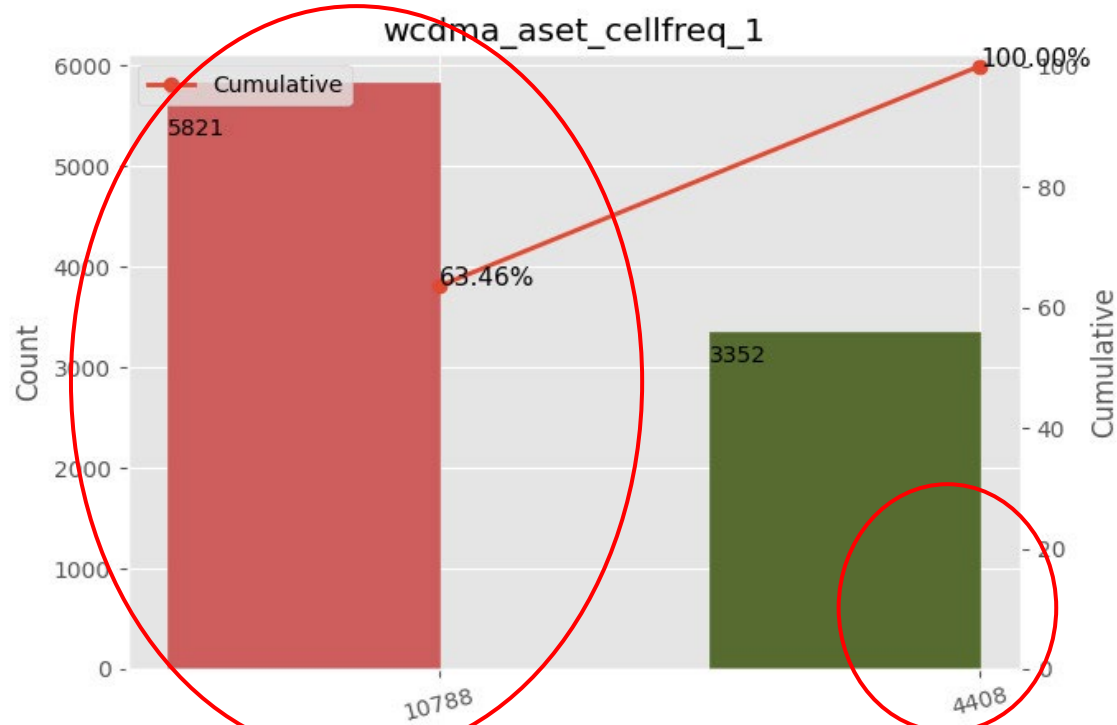
Voice Call			
Technology	CSFB	3G	All
Call Attempt	5	3	8
Blocked Call	0	0	0
Dropped Call (Default Inc. post-alerting drop)	0	0	0
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	5	3	8
Calls Established (Answer)	5	3	8
Calls End	5	3	8
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)	100	100	100
CSSR - Call Setup Success Rate (%)	100	100	100
Call Setup Duration -Average (ms)	7306.6	4956.33333	6425.25

ต. ปิล็อก

Log Distance (km) 2.31132

Script : Voice_300s_airplane

สลับความถี่ 850 <-> 2100 MHz
(UARFCN 4408)



ต. ปิ่ลค

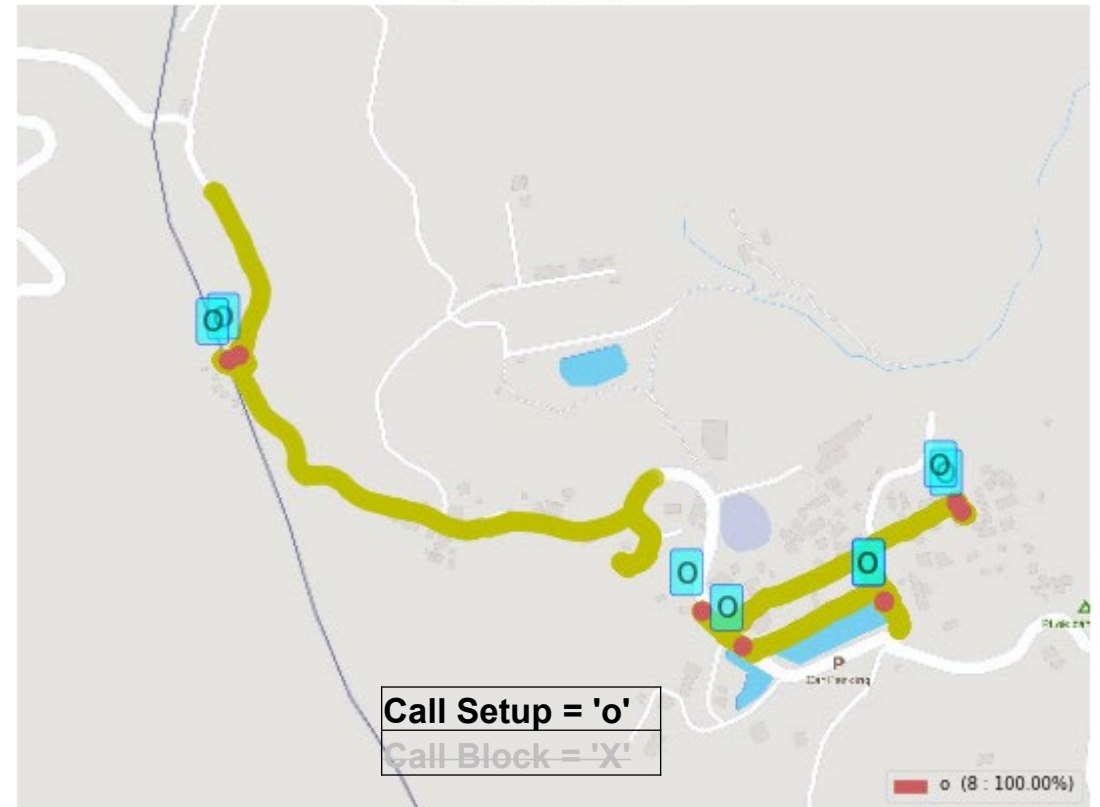
Log Distance (km) 2.31132

Script : *Voice_300s_airplane*

call_setup_and_drop



call_setup_and_block



ทางหลวง หมายเลข 3457

Log Distance (km) 15.994

Script : *Voice_300s_airplane*

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	1.47058824
Technology Coverage WCDMA (% samples)	98.5294118
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	80
RRC Session set up success rate %	100
RRC Session abnormal release rate %	0
RRC Session establishment time (ms)	63
% RRC Success Rate	100.00
Cell reselection WCDMA to LTE duration (millis)	184.00
Cell reselection LTE to WCDMA success count	4.00
Cell reselection WCDMA to LTE success count	1.00
WCDMA	Results
3G RRC Attempts	10.00
3G RRC Failure	0.00
3G RRC Success	10.00
3G Call Setup Time (ms)	4978.5
LAU Attempts	4
LAU Failure	0
LAU Success	4
LAU Success Rate %	100

WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-4.7813778
RSCP Avg (First Best) (dBm)	-86.7302578
Ec/Io Avg (Active Set Avg) (dB)	-5.42212652
RSCP Avg (Active Set Avg) (dBm)	-87.3789721
RSSI Avg (dBm)	-81.906316
Tx Power Avg (dBm)	-6.78946741
BLER Avg (%)	0.76892648
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.35018851
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	56
Number of Handover Success	56
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	15

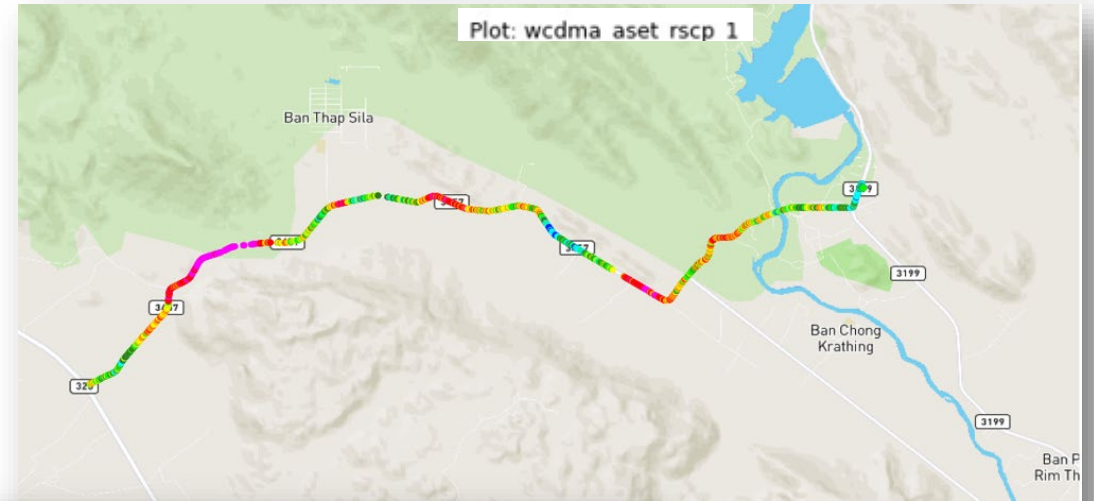
Voice Call			
Technology	CSFB	3G	All
Call Attempt	2	2	4
Blocked Call	0	0	0
Dropped Call (Default Inc. post-alerting drop)	0	0	0
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	2	2	4
Calls Established (Answer)	2	2	4
Calls End	2	2	4
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)	100	100	100
CSSR - Call Setup Success Rate (%)	100	100	100
Call Setup Duration -Average (ms)	4493.5	4978.5	4736

ทางหลวง หมายเลข 3457

Log Distance (km) 15.994

Script : *Voice_300s_airplane*

call_setup_and_drop



call_setup_and_block



Magenta	-150 to -103 (323 : 7.16%)
Red	-103 to -95 (630 : 13.97%)
Orange	-95 to -90 (641 : 14.22%)
Yellow	-90 to -85 (823 : 18.25%)
Green	-85 to -80 (848 : 18.81%)
Dark Green	-80 to -75 (620 : 13.75%)
Cyan	-75 to -65 (585 : 12.97%)
Blue	-65 to 0 (39 : 0.86%)

ทางหลวง หมายเลข 3199

Log Distance (km) 69.2301

Script : *Voice_300s_airplane*

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	2.06624126
Technology Coverage WCDMA (% samples)	97.7970222
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	92
RRC Session set up success rate %	100
RRC Session abnormal release rate %	0
RRC Session establishment time (ms)	69.2941176
% RRC Success Rate	100.00
Cell reselection WCDMA to LTE duration (millis)	1,007.57
Cell reselection LTE to WCDMA success count	29.00
Cell reselection WCDMA to LTE success count	7.00
WCDMA	Results
3G RRC Attempts	58.00
3G RRC Failure	0.00
3G RRC Success	58.00
3G Call Setup Time (ms)	4438.07692
LAU Attempts	25
LAU Failure	2
LAU Success	23
LAU Success Rate %	92

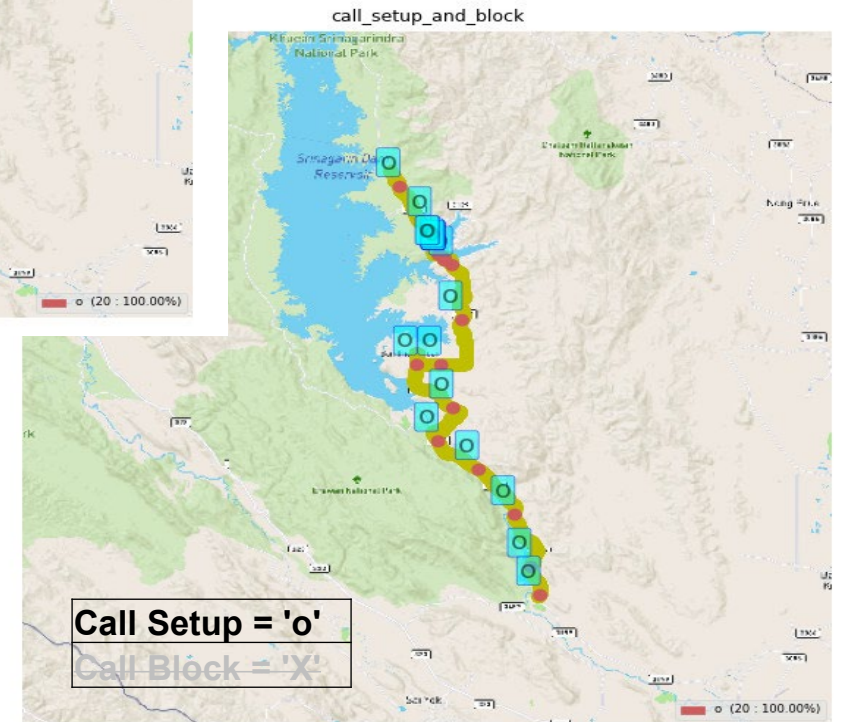
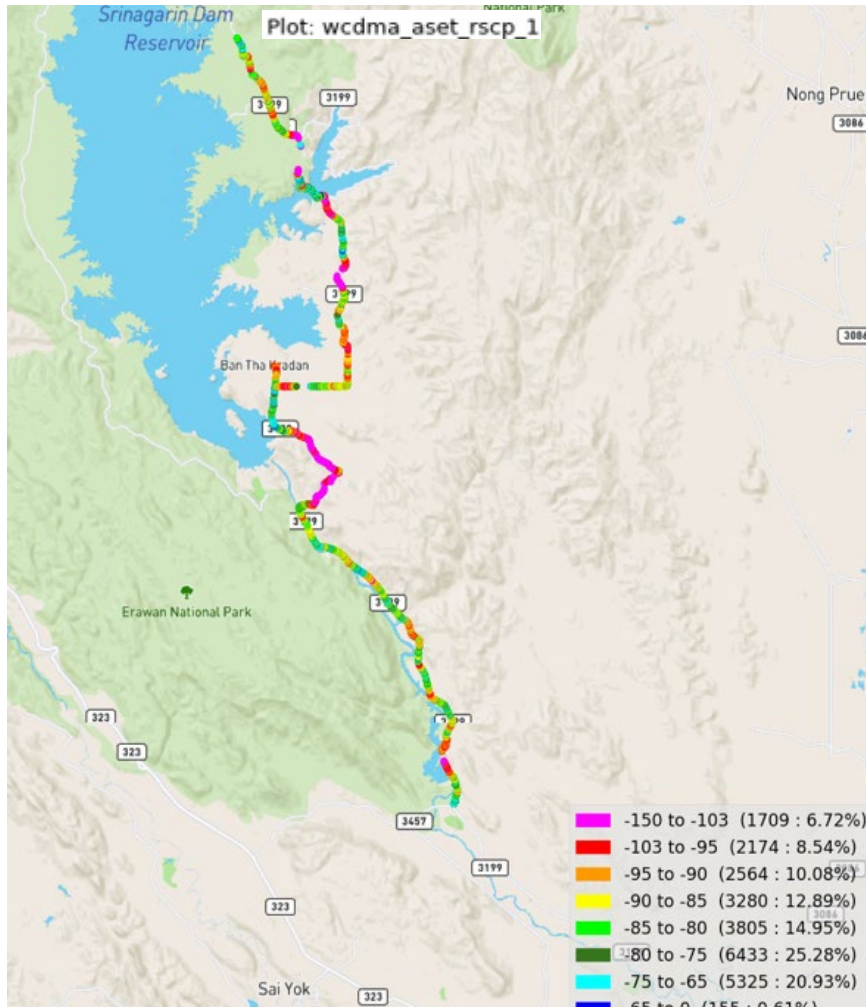
WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-3.98197951
RSCP Avg (First Best) (dBm)	-83.7279846
Ec/Io Avg (Active Set Avg) (dB)	-4.42484067
RSCP Avg (Active Set Avg) (dBm)	-84.1677725
RSSI Avg (dBm)	-79.692622
Tx Power Avg (dBm)	-9.14240916
BLER Avg (%)	0.86368851
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.24080622
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	206
Number of Handover Success	206
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	74

Voice Call			
Technology	CSFB	3G	All
Call Attempt	7	13	20
Blocked Call	0	0	0
Dropped Call (Default Inc. post-alerting drop)	0	0	0
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	7	13	20
Calls Established (Answer)	7	13	20
Calls End	7	13	20
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)	100	100	100
CSSR - Call Setup Success Rate (%)	100	100	100
Call Setup Duration -Average (ms)	5576.14286	4438.07692	4836.4

ทางหลวง หมายเลข 3199

Log Distance (km) 69.2301

Script : *Voice_300s_airplane*



ทางหลวง หมายเลข 4041

Log Distance (km) 62.89979

Script : Voice_300s_airplane

Radio Access Technology Coverage	
Overall	Results
Technology Coverage LTE (% samples)	1.33548239
Technology Coverage WCDMA (% samples)	98.6645176
InterRAT Handover WCDMA To LTE Success Rate (%)	
Location Update Success Rate (%)	77.7777778
RRC Session set up success rate %	100
RRC Session abnormal release rate %	0
RRC Session establishment time (ms)	66
% RRC Success Rate	70.69
Cell reselection WCDMA to LTE duration (millis)	3,067.00
Cell reselection LTE to WCDMA success count	11.00
Cell reselection WCDMA to LTE success count	2.00
WCDMA	Results
3G RRC Attempts	58.00
3G RRC Failure	17.00
3G RRC Success	41.00
3G Call Setup Time (ms)	4551.125
LAU Attempts	25
LAU Failure	4
LAU Success	21
LAU Success Rate %	84

WCDMA Radio Measurements	
Overall	Results
Ec/Io Avg (First Best) (dB)	-5.76537254
RSCP Avg (First Best) (dBm)	-92.3969948
Ec/Io Avg (Active Set Avg) (dB)	-6.13695586
RSCP Avg (Active Set Avg) (dBm)	-92.7797896
RSSI Avg (dBm)	-86.6301619
Tx Power Avg (dBm)	3.66221866
BLER Avg (%)	4.03105307
ActiveSetUpdate Success Rate (%)	100
N ASET Cells Avg	1.20439189
Number of WCDMA Missing Neighbors	
Number of Handover Attempt	64
Number of Handover Success	64
Number of Handover Fail	0
Handover Success Rate (%)	100
Total Number of Serving cells	49

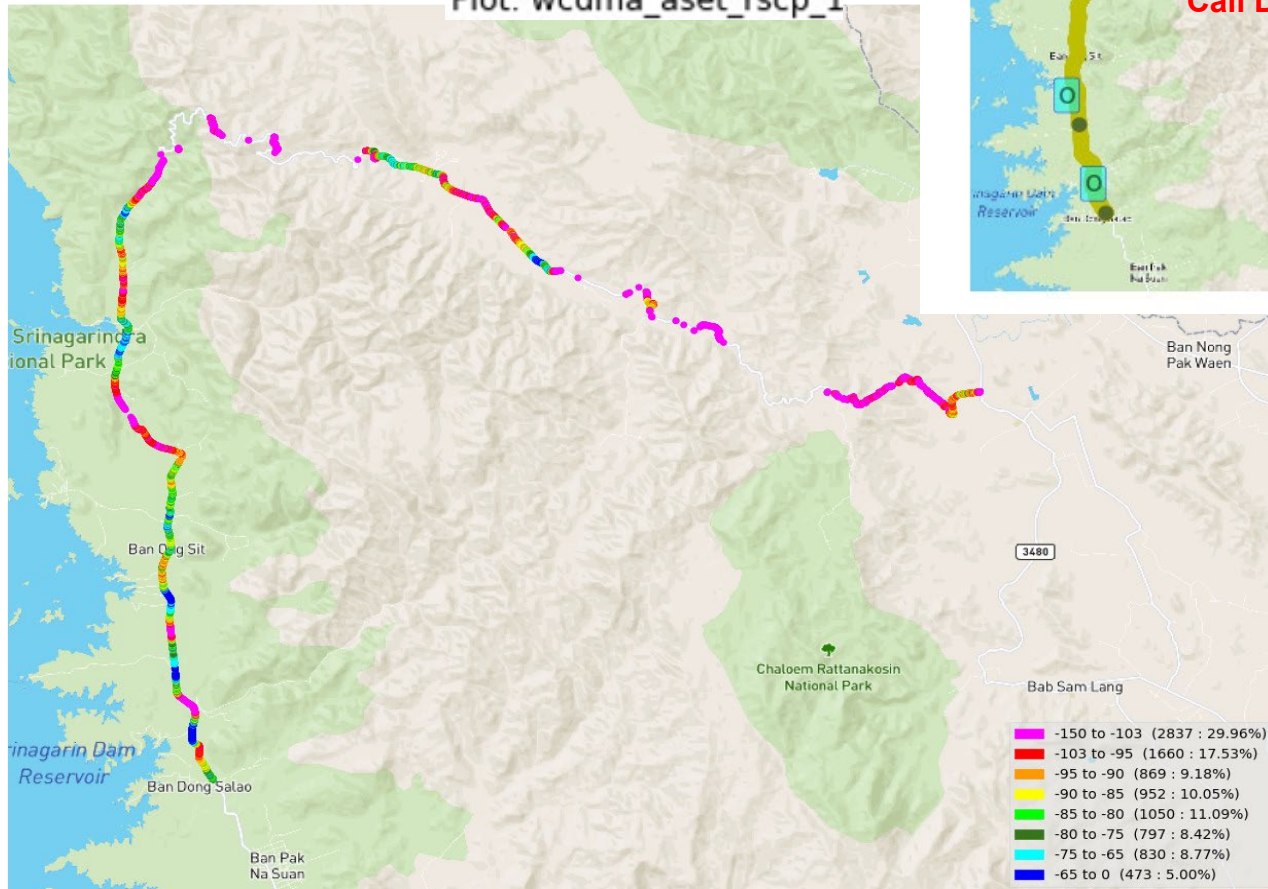
Voice Call			
Technology	CSFB	3G	All
Call Attempt	1	8	9
Blocked Call	0	0	0
Dropped Call (Default Inc. post-alerting drop)	0	4	4
Dropped Call (Post-estab, pure LTE sessions)			0
Calls Setup (Ringing)	1	8	9
Calls Established (Answer)	1	8	9
Calls End	1	4	5
Calls Setup Timeout	0	0	0
Calls Answer Timeout	0	0	0
CSSR - Call Setup Success Rate (%) (exclude call setup timeout)	100	100	100
CSSR - Call Setup Success Rate (%)	100	100	100
Call Setup Duration -Average (ms)	3885	4551.125	4477.111111

ทางหลวง หมายเลข 4041

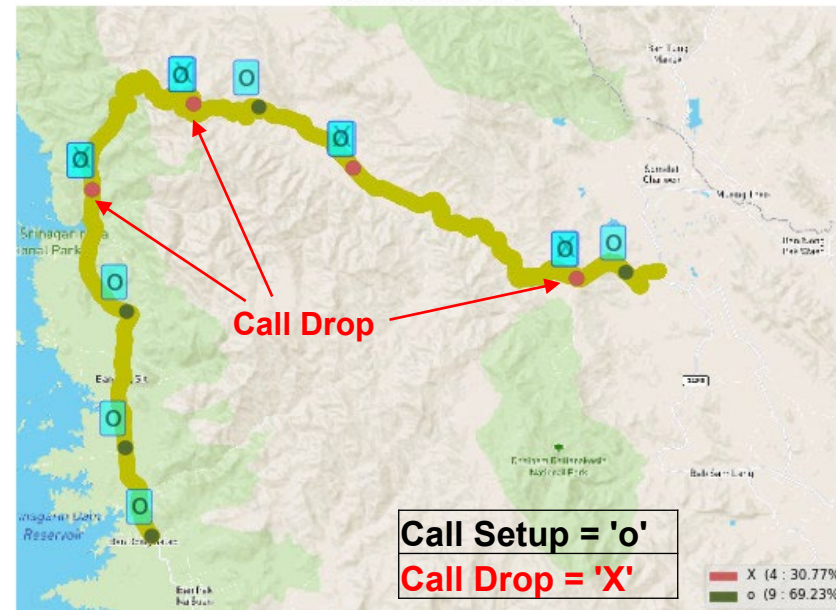
Log Distance (km) 62.89979

Script : *Voice_300s_airplane*

Plot: wcdma_aset_rscp_1



call_setup_and_drop



call_setup_and_block

