

VoLTE呼叫失败案例分析0327

一、 被叫未收到 Paging 消息导致呼叫失败（网络 46）

➤ 问题描述：

Xxx • xxx，被叫未收到寻呼消息（期间未进行过TAU，只有小区重选）导致呼叫建立失败。需要进一步跟踪确认MME是否未下发对应寻呼。

主叫15:09:23.182发起通话请求，~~对应SIP消息Invite~~，在随后的15:09:27.829→

15:12:46.611 一共发起三次呼叫尝试，但MS2均未收到寻呼消息，呼叫超时，通话失败。

Event List

Time

Event

Information

15:08:19.182

VolTECallAttempt(MOC)

15:08:19.205

LTERandomAccess

15:08:19.205

LTEERRSetupReq

15:08:19.205

LTEActiveRequest

15:08:19.249

LTEERRSetupSuc

15:08:19.288

LTEERABSetupAttempt

eps-BearerIdentity:6

15:08:19.288

LTEERABSetupAttempt

eps-BearerIdentity:5

15:08:19.288

LTEActiveSuc

Service Request(EPS)

15:08:19.291

LTEERABSetupSuc

15:08:19.291

LTEERABSetupSuc

15:08:20.172

LTEEventA1

15:08:28.272

LTEERABSetupAttempt

eps-BearerIdentity:7

15:08:28.278

LTEERABSetupSuc

15:08:28.286

ERABEstablishAttempt(QCI=1)

15:08:28.287

ERABEstablishSuc(QCI=1)

15:08:29.118

LTEEventA1

15:08:29.345

VolTECallSetupSuc(MOC)

15:08:31.348

VolTECallEstablished(MOC)

15:09:02.998

VolTECallEnd

15:09:03.629

LTEERABNormalRel

eps-BearerIdentity:7

15:09:03.629

ERABNormalRelease(QCI=1)

15:09:04.487

LTEEventA1

15:09:14.301

LTEERABNormalRel

15:09:14.301

LTEERABNormalRel

15:09:23.182

VolTECallAttempt(MOC)

15:09:23.205

LTERandomAccess

15:09:23.205

LTEERRSetupReq

15:09:23.205

LTEActiveRequest

L3 Messages

Time

Channel

Direction

Message

15:08:17.522

PCCH

eNodeB→...

Paging

15:08:19.187

NAS

MS→eNo...

ServiceRequest

15:08:19.205

UL-C...

MS→eNo...

RRCConnectionRequest

15:08:19.246

DL-C...

eNodeB→...

RRCConnectionSetup

15:08:19.249

UL-D...

MS→eNo...

RRCConnectionSetupComplete

15:08:19.287

DL-D...

eNodeB→...

RRCSecurityModeCommand

15:08:19.288

UL-D...

MS→eNo...

RRCSecurityModeComplete

15:08:19.288

DL-D...

eNodeB→...

RRCConnectionReconfiguration

15:08:19.291

UL-D...

MS→eNo...

RRCConnectionReconfigurationComple

15:08:19.315

DL-D...

eNodeB→...

UECapabilityEnquiry

15:08:19.315

UL-D...

MS→eNo...

UECapabilityInformation

15:08:19.316

DL-D...

eNodeB→...

RRCConnectionReconfiguration

15:08:19.330

UL-D...

MS→eNo...

RRCConnectionReconfigurationComple

15:08:19.921

DL-D...

eNodeB→...

RRCConnectionReconfiguration

15:08:19.924

UL-D...

MS→eNo...

RRCConnectionReconfigurationComple

15:08:20.172

UL-D...

MS→eNo...

MeasurementReport

15:08:23.010

DL-D...

eNodeB→...

RRCConnectionReconfiguration

15:08:23.014

UL-D...

MS→eNo...

RRCConnectionReconfigurationComple

15:08:25.202

PCCH

eNodeB→...

Paging

15:08:26.482

PCCH

eNodeB→...

Paging

15:08:27.013

DL-D...

eNodeB→...

RRCConnectionReconfiguration

15:08:27.017

UL-D...

MS→eNo...

RRCConnectionReconfigurationComple

15:08:27.762

PCCH

eNodeB→...

Paging

15:08:28.272

DL-D...

eNodeB→...

RRCConnectionReconfiguration

15:08:28.278

UL-D...

MS→eNo...

RRCConnectionReconfigurationComple

15:08:28.286

NAS

eNodeB→...

ActivateDedicatedEPSBearerContextRe

IP Messages

Source

Time

Protocol

Information

MS1

15:08:19.182

SIP_TXT

IMS_SIP_OUTGOING(0x0069)

MS2

15:08:31.563

SIP_TXT

IMS_SIP_INCOMING(0x0068)

MS2

15:08:32.526

SIP_TXT

IMS_SIP_RINGING(0x006b)

MS1

15:08:29.345

SIP_TXT

IMS_SIP_RINGING(0x006b)

MS1

15:08:31.348

SIP_TXT

IMS_SIP_ESTABLISHED(0x006d)

MS2

15:08:35.239

SIP_TXT

IMS_SIP_ESTABLISHED(0x006d)

MS1

15:09:02.998

SIP_TXT

IMS_SIP_OUTGOING_TERMINATEE

MS2

15:09:06.972

SIP_TXT

IMS_SIP_INCOMING_TERMINATEE

MS1

15:09:23.182

SIP_TXT

IMS_SIP_OUTGOING(0x0069)

MS1

15:10:35.135

SIP_TXT

IMS_SIP_OUTGOING(0x0069)

MS1

15:11:46.572

SIP_TXT

IMS_SIP_OUTGOING(0x0069)

MS1

15:12:58.471

SIP_TXT

IMS_SIP_OUTGOING(0x0069)

MS2

15:13:04.779

SIP_TXT

IMS_SIP_INCOMING(0x0068)

MS2

15:13:06.144

SIP_TXT

IMS_SIP_RINGING(0x006b)

MS1

15:13:02.955

SIP_TXT

IMS_SIP_RINGING(0x006b)

MS1

15:13:04.920

SIP_TXT

IMS_SIP_ESTABLISHED(0x006d)

MS2

15:13:08.802

SIP_TXT

IMS_SIP_ESTABLISHED(0x006d)

MS2

15:13:40.759

SIP_TXT

IMS_SIP_INCOMING_TERMINATEE

MS1

15:13:36.888

SIP_TXT

IMS_SIP_OUTGOING_TERMINATEE

MS1

15:13:57.299

SIP_TXT

IMS_SIP_OUTGOING(0x0069)

MS2

15:14:02.181

SIP_TXT

IMS_SIP_INCOMING(0x0068)

MS2

15:14:03.031

SIP_TXT

IMS_SIP_RINGING(0x006b)

MS1

15:13:59.781

SIP_TXT

IMS_SIP_RINGING(0x006b)

MS1

15:14:01.835

SIP_TXT

IMS_SIP_ESTABLISHED(0x006d)

MS2

15:14:05.721

SIP_TXT

IMS_SIP_ESTABLISHED(0x006d)

MS1

15:14:33.367

SIP_TXT

IMS_SIP_OUTGOING_TERMINATEE

主叫上一次正常发起呼叫请求

Time	Event	Information
15:08:28.664	LTEEventA1	
15:08:28.666	LTEEventA1	
15:08:31.563	VoLTECallAttempt(MTC)	
15:08:31.756	LTEERABSetupAttempt	eps-BearerIdentity:7
15:08:31.763	LTEERABSetupSuc	
15:08:31.782	ERABEstablishAttempt(QCI=1)	
15:08:31.782	ERABEstablishSuc(QCI=1)	
15:08:32.526	VoLTECallSetupSuc(MTC)	
15:08:32.603	LTEEventA1	
15:08:32.605	LTEEventA1	
15:08:35.239	VoLTECallEstablished(MTC)	
15:09:06.972	VoLTECallEnd	
15:09:07.262	LTEERABNormalRel	eps-BearerIdentity:7
15:09:07.262	ERABNormalRelease(QCI=1)	
15:09:08.123	LTEEventA1	
15:09:08.325	LTEEventA1	
15:09:17.775	LTEERABNormalRel	
15:09:17.775	LTEERABNormalRel	
15:10:11.137	LTECellReselection	
15:12:39.621	LTECellReselection	
15:12:46.622	LTECellReselection	
15:13:03.770	LTERandomAccess	
15:13:03.771	LTERRCSetupReq	
15:13:03.771	LTEActiveRequest	
15:13:03.813	LTERRCSetupSuc	
15:13:03.852	LTEERABSetupAttempt	eps-BearerIdentity:6
15:13:03.852	LTEERABSetupAttempt	eps-BearerIdentity:5
15:13:03.852	LTEActiveSuc	Service Request(EPS)

Time	Channel	Direction	Message
15:08:18.707	PCCH	eNodeB->MS	Paging
15:08:22.548	PCCH	eNodeB->MS	Paging
15:08:27.669	NAS	MS->eNodeB	ServiceRequest
15:08:27.690	UL-DL	MS->eNodeB	RRCConnectionRequest
15:08:27.727	DL-DL	eNodeB->MS	RRCConnectionSetup
15:08:27.729	UL-DL	MS->eNodeB	RRCConnectionSetupComplete
15:08:27.762	DL-DL	eNodeB->MS	RRCSecurityModeCommand
15:08:27.764	UL-DL	MS->eNodeB	RRCSecurityModeComplete
15:08:27.765	DL-DL	eNodeB->MS	RRCConnectionReconfiguration
15:08:27.767	UL-DL	MS->eNodeB	RRCConnectionReconfigurationComplete
15:08:27.797	DL-DL	eNodeB->MS	UECapabilityEnquiry
15:08:27.798	DL-DL	eNodeB->MS	RRCConnectionReconfiguration
15:08:27.800	UL-DL	MS->eNodeB	UECapabilityInformation
15:08:27.822	UL-DL	MS->eNodeB	RRCConnectionReconfigurationComplete
15:08:28.402	DL-DL	eNodeB->MS	RRCConnectionReconfiguration
15:08:28.406	UL-DL	MS->eNodeB	RRCConnectionReconfigurationComplete
15:08:28.664	UL-DL	MS->eNodeB	MeasurementReport
15:08:28.666	UL-DL	MS->eNodeB	MeasurementReport
15:08:28.948	PCCH	eNodeB->MS	Paging
15:08:30.228	PCCH	eNodeB->MS	Paging
15:08:31.508	PCCH	eNodeB->MS	Paging
15:08:31.756	DL-DL	eNodeB->MS	RRCConnectionReconfiguration
15:08:31.763	UL-DL	MS->eNodeB	RRCConnectionReconfigurationComplete
15:08:31.782	NAS	eNodeB->MS	ActivateDedicatedEPSBearerContextReq
15:08:31.782	NAS	MS->eNodeB	ActivateDedicatedEPSBearerContextAc

Source	Time	Protocol	Information
MS1	15:08:19.182	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
MS2	15:08:31.563	SIP_TXT	IMS_SIP_INCOMING(0x0068)
MS2	15:08:32.526	SIP_TXT	IMS_SIP_RINGING(0x006b)
MS1	15:08:29.345	SIP_TXT	IMS_SIP_RINGING(0x006b)
MS1	15:08:31.348	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
MS2	15:08:35.239	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
MS1	15:09:02.998	SIP_TXT	IMS_SIP_OUTGOING_TERMINATEE
MS2	15:09:06.972	SIP_TXT	IMS_SIP_INCOMING_TERMINATEE
MS1	15:09:23.182	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
MS1	15:10:35.135	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
MS1	15:11:46.572	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
MS1	15:12:58.471	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
MS2	15:13:04.779	SIP_TXT	IMS_SIP_INCOMING(0x0068)
MS2	15:13:06.144	SIP_TXT	IMS_SIP_RINGING(0x006b)
MS1	15:13:02.955	SIP_TXT	IMS_SIP_RINGING(0x006b)
MS1	15:13:04.920	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
MS2	15:13:08.802	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
MS2	15:13:40.759	SIP_TXT	IMS_SIP_INCOMING_TERMINATEE
MS1	15:13:36.888	SIP_TXT	IMS_SIP_OUTGOING_TERMINATEE
MS1	15:13:57.299	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
MS2	15:14:02.181	SIP_TXT	IMS_SIP_INCOMING(0x0068)
MS2	15:14:03.031	SIP_TXT	IMS_SIP_RINGING(0x006b)
MS1	15:13:59.781	SIP_TXT	IMS_SIP_RINGING(0x006b)
MS1	15:14:01.835	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
MS2	15:14:05.721	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
MS1	15:14:33.367	SIP_TXT	IMS_SIP_OUTGOING_TERMINATEE

被叫上一次通话正常收到寻呼消息

Message Browser - MsgExplain	
1	rrcConnectionRequest
0	criticalExtensions
0	rrcConnectionRequest-r8
0	ue-Identity
0	s-TMSI
1100	mmec:11000110 (C6)
1110	m-TMSI:11000000001100111001111100101110 (C0 33 9F 2E)
010	establishmentCause:mt-Access (2)
0	spare:0 (00)
0000000h: 04 4C 6C 03 33 F2 E4	

Paging消息里核心网分配给被叫的TMSI标识（在图中对TMSI加框）

Time	Event	Information	Time	Channel	Direction	Message	Source	Time	Protocol	Information
15:09:23.182	VoLTECallAttempt(MOC)		15:09:18.962	PCCH	eNodeB->...	Paging	MS1	15:09:23.182	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:09:23.205	LTERandomAccess		15:09:23.187	NAS	MS->eNo...	ServiceRequest	MS1	15:10:35.135	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:09:23.205	LTERRCSetupReq		15:09:23.205	UL-D...	MS->eNo...	RRCConnectionRequest	MS1	15:11:46.572	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:09:23.256	LTERRCSetupSuc		15:09:23.252	DL-D...	eNodeB->...	RRCConnectionSetup	MS1	15:12:58.471	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:09:23.310	LTEERABSetupAttempt	eps-BearerIdentity:6	15:09:23.256	UL-D...	MS->eNo...	RRCConnectionSetupComplete	MS2	15:13:04.779	SIP_TXT	IMS_SIP_INCOMING(0x0068)
15:09:23.310	LTEERABSetupAttempt	eps-BearerIdentity:5	15:09:23.308	DL-D...	eNodeB->...	RRCSecurityModeCommand	MS2	15:13:06.144	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:09:23.310	LTEActiveSuc	Service Request(EPS)	15:09:23.309	UL-D...	MS->eNo...	RRCSecurityModeComplete	MS1	15:13:02.955	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:09:23.312	LTEERABSetupSuc		15:09:23.310	DL-D...	eNodeB->...	RRCConnectionReconfiguration	MS1	15:13:04.920	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:09:23.312	LTEERABSetupSuc		15:09:23.312	UL-D...	MS->eNo...	RRCConnectionReconfigurationComple	MS2	15:13:08.802	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:09:24.201	LTEEventA1		15:09:23.341	DL-D...	eNodeB->...	UECapabilityEnquiry	MS2	15:13:40.759	SIP_TXT	IMS_SIP_INCOMING_TERMINATEE
15:09:33.331	LTEERABNormalRel		15:09:23.342	DL-D...	eNodeB->...	RRCConnectionReconfiguration	MS1	15:13:36.888	SIP_TXT	IMS_SIP_OUTGOING_TERMINATEE
15:09:33.331	LTEERABNormalRel		15:09:23.342	UL-D...	MS->eNo...	UECapabilityInformation	MS1	15:13:57.299	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:09:57.375	LTERandomAccess		15:09:23.360	UL-D...	MS->eNo...	RRCConnectionReconfigurationComple	MS2	15:14:02.181	SIP_TXT	IMS_SIP_INCOMING(0x0068)
15:09:57.375	LTERRCSetupReq		15:09:23.947	DL-D...	eNodeB->...	RRCConnectionReconfiguration	MS2	15:14:03.031	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:09:57.375	LTEActiveRequest		15:09:23.949	UL-D...	MS->eNo...	RRCConnectionReconfigurationComple	MS1	15:13:59.781	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:09:57.413	LTERRCSetupSuc		15:09:24.082	PCCH	eNodeB->...	Paging	MS1	15:14:01.835	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:09:57.445	LTEERABSetupAttempt	eps-BearerIdentity:6	15:09:24.201	UL-D...	MS->eNo...	MeasurementReport	MS2	15:14:05.721	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:09:57.445	LTEERABSetupAttempt	eps-BearerIdentity:5	15:09:26.974	DL-D...	eNodeB->...	RRCConnectionReconfiguration	MS1	15:14:33.367	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:09:57.445	LTEActiveSuc	Service Request(EPS)	15:09:26.977	UL-D...	MS->eNo...	RRCConnectionReconfigurationComple	MS2	15:14:37.262	SIP_TXT	IMS_SIP_INCOMING_TERMINATEE
15:09:57.448	LTEERABSetupSuc		15:09:27.093	DL-D...	eNodeB->...	RRCConnectionReconfiguration	MS1	15:14:55.244	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:09:57.448	LTEERABSetupSuc		15:09:27.096	UL-D...	MS->eNo...	RRCConnectionReconfigurationComple	MS2	15:15:06.283	SIP_TXT	IMS_SIP_INCOMING(0x0068)
15:09:57.528	LTEERABSetupAttempt	eps-BearerIdentity:7	15:09:31.762	PCCH	eNodeB->...	Paging	MS2	15:15:07.222	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:09:57.529	LTEERABSetupSuc		15:09:33.331	DL-D...	eNodeB->...	RRCConnectionRelease	MS1	15:15:03.933	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:09:57.532	ERABEstablishAttempt(QCI=1)		15:09:33.463	BCCH...	eNodeB->...	MasterInformationBlock	MS1	15:15:05.963	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:09:57.532	ERABEstablishSuc(QCI=1)		15:09:33.467	BCCH...	eNodeB->...	SystemInformationBlockType1	MS2	15:15:09.840	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:09:58.333	LTEEventA1		15:09:35.602	PCCH	eNodeB->...	Paging	MS1	15:15:37.483	SIP_TXT	IMS_SIP_OUTGOING_TERMINATEE
15:10:01.214	LTEEventA3									

从xxx到xxx主叫连续3次主叫呼叫失败

Time	Event	Information	Time	Channel	Direction	Message	Source	Time	Protocol	Information
15:09:17.775	LTEERABNormalRel		15:09:27.829	PCCH	eNodeB->...	Paging	MS2	15:08:31.563	SIP_TXT	IMS_SIP_INCOMING(0x0068)
15:10:11.137	LTECellReselection		15:09:32.949	PCCH	eNodeB->...	Paging	MS2	15:08:32.526	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:12:39.621	LTECellReselection		15:09:39.349	PCCH	eNodeB->...	Paging	MS1	15:08:29.345	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:12:46.622	LTECellReselection		15:09:54.709	PCCH	eNodeB->...	Paging	MS1	15:08:31.348	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:13:03.770	LTERandomAccess		15:09:59.830	PCCH	eNodeB->...	Paging	MS2	15:08:35.239	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:13:03.771	LTERRCSetupReq		15:10:02.390	PCCH	eNodeB->...	Paging	MS1	15:09:02.998	SIP_TXT	IMS_SIP_OUTGOING_TERMINATEE
15:13:03.771	LTEActiveRequest		15:10:03.670	PCCH	eNodeB->...	Paging	MS2	15:09:06.972	SIP_TXT	IMS_SIP_INCOMING_TERMINATEE
15:13:03.813	LTERRCSetupSuc		15:10:04.950	PCCH	eNodeB->...	Paging	MS1	15:09:23.182	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:13:03.852	LTEERABSetupAttempt	eps-BearerIdentity:6	15:10:07.510	PCCH	eNodeB->...	Paging	MS1	15:10:35.135	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:13:03.852	LTEERABSetupAttempt	eps-BearerIdentity:5	15:10:08.790	PCCH	eNodeB->...	Paging	MS1	15:11:46.572	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:13:03.852	LTEActiveSuc	Service Request(EPS)	15:10:11.101	BCCH...	eNodeB->...	MasterInformationBlock	MS1	15:12:58.471	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:13:03.857	LTEERABSetupSuc		15:10:11.125	BCCH...	eNodeB->...	SystemInformationBlockType1	MS2	15:13:04.779	SIP_TXT	IMS_SIP_INCOMING(0x0068)
15:13:03.857	LTEERABSetupSuc		15:10:11.349	PCCH	eNodeB->...	Paging	MS2	15:13:06.144	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:13:04.735	LTEEventA1		15:10:13.911	PCCH	eNodeB->...	Paging	MS1	15:13:02.955	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:13:04.736	LTEEventA1		15:10:15.190	PCCH	eNodeB->...	Paging	MS1	15:13:04.920	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:13:04.779	VoLTECallAttempt(MTC)		15:10:16.471	PCCH	eNodeB->...	Paging	MS2	15:13:08.802	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:13:04.956	LTEERABSetupAttempt	eps-BearerIdentity:7	15:10:17.750	PCCH	eNodeB->...	Paging	MS2	15:13:40.759	SIP_TXT	IMS_SIP_INCOMING_TERMINATEE
15:13:04.962	LTEERABSetupSuc		15:10:19.030	PCCH	eNodeB->...	Paging	MS1	15:13:36.888	SIP_TXT	IMS_SIP_OUTGOING_TERMINATEE
15:13:04.969	ERABEstablishAttempt(QCI=1)		15:10:21.590	PCCH	eNodeB->...	Paging	MS1	15:13:57.299	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
15:13:04.970	ERABEstablishSuc(QCI=1)		15:10:24.150	PCCH	eNodeB->...	Paging	MS2	15:14:02.181	SIP_TXT	IMS_SIP_INCOMING(0x0068)
15:13:05.481	LTEEventA3		15:10:25.430	PCCH	eNodeB->...	Paging	MS2	15:14:03.031	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:13:05.481	LTEIntraFreqHOAttempt	TCellID:427;TargetEAF	15:10:27.990	PCCH	eNodeB->...	Paging	MS1	15:13:59.781	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:13:05.568	LTEIntraFreqHOAttempt	TCellID:427;TargetEAF	15:10:34.390	PCCH	eNodeB->...	Paging	MS1	15:14:01.835	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:13:05.575	LTERandomAccess		15:10:35.670	PCCH	eNodeB->...	Paging	MS2	15:14:05.721	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
15:13:05.590	LTEIntraFreqHOSuc		15:10:36.950	PCCH	eNodeB->...	Paging	MS1	15:14:33.367	SIP_TXT	IMS_SIP_RINGING(0x006b)
15:13:05.590	LTEIntraFreqHOSuc		15:10:40.790	PCCH	eNodeB->...	Paging	MS2	15:14:37.262	SIP_TXT	IMS_SIP_INCOMING_TERMINATEE
15:13:06.144	VoLTECallSetupSuc(MTC)									

3次主叫呼叫期间被叫均未收到对其发起的寻呼处于idle态

1450	MS2	2015-03-11	15:09:27.829	eNodeB->MME PCCCH	Paging	05 40 0C 6C 09 0A 94 40
1451	MS2	2015-03-11	15:09:32.949	eNodeB->MME PCCCH	Paging	05 40 0C 2E 02 2F 04 A0
1452	MS2	2015-03-11	15:09:39.349	eNodeB->MME PCCCH	Paging	05 40 8C 4D 03 02 CE B0 C4 C0 07 3A A3 00
1453	MS2	2015-03-11	15:09:54.709	eNodeB->MME PCCCH	Paging	05 40 8F 4C 09 18 D0 70 F4 F0 1E EE 46 00
1454	MS2	2015-03-11	15:09:59.930	eNodeB->MME PCCCH	Paging	05 40 0F 6C 04 16 73 20
1455	MS2	2015-03-11	15:10:02.390	eNodeB->MME PCCCH	Paging	05 40 0C 4E 01 BF 6C 00
1456	MS2	2015-03-11	15:10:03.670	eNodeB->MME PCCCH	Paging	05 40 0C 6F 0D 6D 1F 60
1457	MS2	2015-03-11	15:10:04.950	eNodeB->MME PCCCH	Paging	05 40 0C 2F 03 1D 2F 10
1458	MS2	2015-03-11	15:10:07.510	eNodeB->MME PCCCH	Paging	05 40 0F 4F 06 00 3B 30
1459	MS2	2015-03-11	15:10:08.790	eNodeB->MME PCCCH	Paging	05 40 8F 4F 0A 69 9C B0 C4 D0 30 2C E8 00
1462	MS2	2015-03-11	15:10:11.349	eNodeB->MME PCCCH	Paging	05 40 8F 4E 0F 21 18 B0 F6 E0 1E 52 D6 00
1463	MS2	2015-03-11	15:10:13.911	eNodeB->MME PCCCH	Paging	05 40 8C 4F 0E D2 1B 70 F6 B0 DE 6F 9A 00
1464	MS2	2015-03-11	15:10:15.190	eNodeB->MME PCCCH	Paging	05 40 8F 4F 07 ED 42 C0 C6 F0 FE 01 80 00
1465	MS2	2015-03-11	15:10:16.471	eNodeB->MME PCCCH	Paging	05 41 0C 6E 09 9A BB A0 F4 B0 9D AC 45 0C 2E 0B 31 9A B8
1466	MS2	2015-03-11	15:10:17.750	eNodeB->MME PCCCH	Paging	05 41 0C 6F 02 60 11 70 C6 F0 D8 D1 F6 0C 6E 00 E8 B8 F0
1467	MS2	2015-03-11	15:10:19.030	eNodeB->MME PCCCH	Paging	05 40 0C 2C 04 52 94 80
1468	MS2	2015-03-11	15:10:21.590	eNodeB->MME PCCCH	Paging	05 41 0F 6C 00 4A 63 20 F6 C0 A5 B8 B7 0C 4D 0C CE 2D D0
1469	MS2	2015-03-11	15:10:24.150	eNodeB->MME PCCCH	Paging	05 40 8F 4D 03 8F FA 70 F6 C0 A5 B8 B7 00
1470	MS2	2015-03-11	15:10:25.430	eNodeB->MME PCCCH	Paging	05 41 0C 4D 0D A4 F2 30 F6 E0 SE C3 AE 0C 2C 01 C3 30 90
1471	MS2	2015-03-11	15:10:27.990	eNodeB->MME PCCCH	Paging	05 40 8C 6C 09 0A 94 40 F6 C0 47 E4 B8 00
1472	MS2	2015-03-11	15:10:34.390	eNodeB->MME PCCCH	Paging	05 40 0C 6E 00 E8 B8 F0
1473	MS2	2015-03-11	15:10:35.670	eNodeB->MME PCCCH	Paging	05 40 0C 2D 09 E2 16 80
1474	MS2	2015-03-11	15:10:36.950	eNodeB->MME PCCCH	Paging	05 40 0C 4E 01 BF 6C 00
1475	MS2	2015-03-11	15:10:40.790	eNodeB->MME PCCCH	Paging	05 40 0C 4F 06 3C C3 30
1476	MS2	2015-03-11	15:10:42.070	eNodeB->MME PCCCH	Paging	05 40 8F 4F 0B 99 2F 78 C4 D0 CC E2 DD 00
1477	MS2	2015-03-11	15:10:43.350	eNodeB->MME PCCCH	Paging	05 40 0F 4F 01 77 EE C0
1478	MS2	2015-03-11	15:10:45.910	eNodeB->MME PCCCH	Paging	05 40 0C 4F 0F 4E B8 B0
1479	MS2	2015-03-11	15:10:51.031	eNodeB->MME PCCCH	Paging	05 40 0F 4F 0A 69 9C B0
1480	MS2	2015-03-11	15:10:53.591	eNodeB->MME PCCCH	Paging	05 40 8C 2C 0E D0 AC D0 C6 F0 FE 01 80 00
1481	MS2	2015-03-11	15:10:56.151	eNodeB->MME PCCCH	Paging	05 40 0F 4D 0E 3A B8 F0
1482	MS2	2015-03-11	15:10:57.431	eNodeB->MME PCCCH	Paging	05 40 8C 4C 0B 27 4C B0 F6 F0 10 87 A1 00
1483	MS2	2015-03-11	15:10:58.711	eNodeB->MME PCCCH	Paging	05 40 0C 2D 03 44 C3 70
1484	MS2	2015-03-11	15:11:01.271	eNodeB->MME PCCCH	Paging	05 40 8C 2F 07 B9 B6 90 F6 F0 91 FF 49 B0
1485	MS2	2015-03-11	15:11:02.551	eNodeB->MME PCCCH	Paging	05 40 0C 2E 0D F9 BA 80
1486	MS2	2015-03-11	15:11:03.831	eNodeB->MME PCCCH	Paging	05 40 0F 4C 09 75 28 70
1487	MS2	2015-03-11	15:11:05.111	eNodeB->MME PCCCH	Paging	05 40 0F 6C 0A 58 B8 70
1488	MS2	2015-03-11	15:11:06.391	eNodeB->MME PCCCH	Paging	05 40 0C 4F 0F 4E B8 B0
1489	MS2	2015-03-11	15:11:07.671	eNodeB->MME PCCCH	Paging	05 40 0F 4C 0E 82 37 D0

1489	MS2	2015-03-11	15:11:07.671	eNodeB->MME PCCCH	Paging	05 40 0F 4C 0E 82 37 D0
1490	MS2	2015-03-11	15:11:08.951	eNodeB->MME PCCCH	Paging	05 40 0C 2C 0E D0 AC D0
1491	MS2	2015-03-11	15:11:10.231	eNodeB->MME PCCCH	Paging	05 40 0F 4F 0E 87 9B 10
1492	MS2	2015-03-11	15:11:11.511	eNodeB->MME PCCCH	Paging	05 40 8C 4E 01 BF 6C 30 C6 D0 D8 B2 E8 00
1493	MS2	2015-03-11	15:11:14.071	eNodeB->MME PCCCH	Paging	05 40 0C 2E 05 23 40 08
1494	MS2	2015-03-11	15:11:17.911	eNodeB->MME PCCCH	Paging	05 40 0F 6E 01 B3 2D 60
1495	MS2	2015-03-11	15:11:19.192	eNodeB->MME PCCCH	Paging	05 40 8F 4E 0F 21 18 B0 F6 F0 A6 3F 69 00
1496	MS2	2015-03-11	15:11:21.732	eNodeB->MME PCCCH	Paging	05 40 0C 4D 0A 75 D8 F0
1497	MS2	2015-03-11	15:11:24.312	eNodeB->MME PCCCH	Paging	05 40 0C 2D 07 B3 F0 40
1498	MS2	2015-03-11	15:11:25.591	eNodeB->MME PCCCH	Paging	05 40 0F 4D 01 3D F0 70
1499	MS2	2015-03-11	15:11:26.871	eNodeB->MME PCCCH	Paging	05 40 8C 4E 01 BF 6C 30 F6 B0 D8 A2 BD 00
1500	MS2	2015-03-11	15:11:29.432	eNodeB->MME PCCCH	Paging	05 40 0F 4F 07 D0 42 C0
1501	MS2	2015-03-11	15:11:30.711	eNodeB->MME PCCCH	Paging	05 40 8F 4D 03 8F FA 70 F4 F0 60 03 B3 00
1502	MS2	2015-03-11	15:11:33.272	eNodeB->MME PCCCH	Paging	05 40 8C 6E 00 E8 B8 F0 C6 F0 D8 D1 F6 00
1503	MS2	2015-03-11	15:11:34.552	eNodeB->MME PCCCH	Paging	05 40 8C 2C 04 52 94 B0 C2 C0 D8 CE CA B0
1504	MS2	2015-03-11	15:11:38.392	eNodeB->MME PCCCH	Paging	05 40 8C 6E 06 A8 79 70 F6 B0 1E 52 D6 00
1505	MS2	2015-03-11	15:11:39.672	eNodeB->MME PCCCH	Paging	05 40 0C 6E 0E 77 0F 20
1506	MS2	2015-03-11	15:11:42.232	eNodeB->MME PCCCH	Paging	05 40 0C 4F 0F 4E B8 B0
1507	MS2	2015-03-11	15:11:43.512	eNodeB->MME PCCCH	Paging	05 40 0C 6E 0E 77 0F 20
1508	MS2	2015-03-11	15:11:47.332	eNodeB->MME PCCCH	Paging	05 40 8F 4E 0F 21 18 B0 F4 D0 38 FF A7 00
1509	MS2	2015-03-11	15:11:49.912	eNodeB->MME PCCCH	Paging	05 40 0F 6E 01 B3 2D 60
1510	MS2	2015-03-11	15:11:51.193	eNodeB->MME PCCCH	Paging	05 40 0C 4D 0C CE 2D D8
1511	MS2	2015-03-11	15:11:55.032	eNodeB->MME PCCCH	Paging	05 40 0F 4C 0E 82 37 D0
1512	MS2	2015-03-11	15:11:56.312	eNodeB->MME PCCCH	Paging	05 40 8C 6C 05 01 B8 10 C6 F0 FE 01 80 00
1513	MS2	2015-03-11	15:12:01.432	eNodeB->MME PCCCH	Paging	05 40 0C 2F 03 1D 2F 10
1514	MS2	2015-03-11	15:12:02.712	eNodeB->MME PCCCH	Paging	05 41 0C 6E 00 B0 05 10 C4 B0 1B F6 C3 0F 4D 04 38 BF 90
1515	MS2	2015-03-11	15:12:03.992	eNodeB->MME PCCCH	Paging	05 40 8F 6F 01 2A D0 00 C4 D0 AF 5D 9F 00
1516	MS2	2015-03-11	15:12:06.552	eNodeB->MME PCCCH	Paging	05 40 0F 6F 0E A1 20 B0
1517	MS2	2015-03-11	15:12:07.832	eNodeB->MME PCCCH	Paging	05 40 0F 6C 05 C0 BA D0
1518	MS2	2015-03-11	15:12:12.952	eNodeB->MME PCCCH	Paging	05 40 8C 2C 0E 57 13 10 C2 B0 05 B4 AF 00
1519	MS2	2015-03-11	15:12:14.232	eNodeB->MME PCCCH	Paging	05 40 0F 4E 0F 21 18 B0
1520	MS2	2015-03-11	15:12:15.512	eNodeB->MME PCCCH	Paging	05 40 0F 4D 00 07 B0 9B
1521	MS2	2015-03-11	15:12:19.332	eNodeB->MME PCCCH	Paging	05 40 0C 6C 05 B0 C8 B0
1522	MS2	2015-03-11	15:12:21.913	eNodeB->MME PCCCH	Paging	05 40 8F 6C 05 C0 BA D0 C6 00 B6 C8 B8 00
1523	MS2	2015-03-11	15:12:25.733	eNodeB->MME PCCCH	Paging	05 40 8C 6C 05 B0 C8 B0 F4 D0 38 FF A7 00
1524	MS2	2015-03-11	15:12:27.053	eNodeB->MME PCCCH	Paging	05 40 0C 4D 0A F9 39 F0
1525	MS2	2015-03-11	15:12:29.593	eNodeB->MME PCCCH	Paging	05 40 0F 6F 0E A1 20 B0
1526	MS2	2015-03-11	15:12:30.873	eNodeB->MME PCCCH	Paging	05 40 0F 4F 0E 87 9B 1B

Paging消息里没有被叫TMSI标识

从 x x x 到 x x x 时间段内被叫所收到的Paging消息里没有携带被叫TMSI标识

在图中标识出哪些字段是 T M S I

二、主被叫魏收到 QCI1 建立命令导致呼叫未建立（网格 61 博华路路段）

➤ 问题描述：

主叫发出INVITE消息后，被叫收到对应寻呼并完成RRC连接以及QCI9和QCI5的承载，以及INVITE消息，但主被叫均未收到来自网络侧的QCI1 EPC Bearer建立命令，语音承载未建立，导致呼叫失败。需要核心网侧检查失败原因。

（后续3次通话均因为主被叫未建立专有承载QCI=1导致呼叫失败）

Event List			L3 Messages			IP Messages		
Time	Event	Information	Time	Channel	Direction	Message	Source	Time
16:01:35.865	VolTECallAttempt(MOC)		16:01:31.650	PCCH	eNodeB->...	Paging	MS1	15:57:26.257
16:01:35.888	LTERandomAccess		16:01:35.871	NAS	MS->eNo...	ServiceRequest	MS2	15:57:22.290
16:01:35.889	LTERRRSetupReq		16:01:35.889	UL-D...	MS->eNo...	RRCCONNECTIONREQUEST	MS1	15:57:57.385
16:01:35.931	LTERRRSetupSuc		16:01:35.928	DL-C...	eNodeB->...	RRCCONNECTIONSETUP	MS2	15:57:56.488
16:01:36.600	LTEERABSetupAttempt	eps-BearerIdentity5	16:01:35.931	UL-D...	MS->eNo...	RRCCONNECTIONSETUPCOMPLETE	MS2	15:57:57.402
16:01:36.600	LTEERABSetupAttempt	eps-BearerIdentity6	16:01:35.973	DL-D...	eNodeB->...	DLINFORMATIONTRANSFER	MS1	15:58:02.056
16:01:36.600	LTEActiveSuc	Service Request(EPS)	16:01:35.976	NAS	eNodeB->...	AuthenticationRequest	MS1	15:58:04.031
16:01:36.604	LTEERABSetupSuc		16:01:36.504	NAS	MS->eNo...	AuthenticationResponse	MS2	15:58:00.032
16:01:36.604	LTEERABSetupSuc		16:01:36.505	UL-D...	MS->eNo...	ULINFORMATIONTRANSFER	MS1	16:01:04.473
16:01:37.090	LTEEventA3		16:01:36.549	DL-D...	eNodeB->...	DLINFORMATIONTRANSFER	MS2	16:01:00.538
16:01:37.090	LTEHOA3Measurement		16:01:36.549	NAS	eNodeB->...	NASSECURITYMODECOMMAND	MS1	16:01:35.865
16:01:37.316	LTEIntraFreqHOAttempt	TCeLLID:47;TargetEARF	16:01:36.550	NAS	MS->eNo...	NASSECURITYMODECOMPLETE	MS2	16:01:35.390
16:01:37.324	LTERandomAccess		16:01:36.551	UL-D...	MS->eNo...	ULINFORMATIONTRANSFER	MS1	16:01:50.960
16:01:37.336	LTEIntraFreqHOSuc		16:01:36.598	DL-D...	eNodeB->...	RRCCONNECTIONRECONFIGURATION	MS2	16:01:48.013
16:01:37.336	LTEIntraFreqHOSuc		16:01:36.599	UL-D...	MS->eNo...	RRCCONNECTIONRECONFIGURATIONCOMPLETE	MS1	16:02:03.530
16:01:50.960	VolTECallSetupFail(MOC)		16:01:36.600	DL-D...	eNodeB->...	RRCCONNECTIONRECONFIGURATIONCOMPLETE	MS2	16:02:00.523
16:01:50.960	VolTECallAttempt(MOC)		16:01:36.604	UL-D...	MS->eNo...	RRCCONNECTIONRECONFIGURATIONCOMPLETE	MS1	16:04:43.888
16:01:56.133	LTEEventA3		16:01:36.640	DL-D...	eNodeB->...	RRCCONNECTIONRECONFIGURATIONCOMPLETE	MS2	16:04:43.541
16:01:56.133	LTEHOA3Measurement		16:01:36.646	UL-D...	MS->eNo...	RRCCONNECTIONRECONFIGURATIONCOMPLETE		
16:01:56.171	LTEIntraFreqHOAttempt	TCeLLID:46;TargetEARF	16:01:36.769	UL-D...	MS->eNo...	MeasurementReport		
16:01:56.171	LTEIntraFreqHOSuc	TCeLLID:46;TargetEARF	16:01:37.090	UL-D...	MS->eNo...	MeasurementReport		
16:01:56.174	LTERandomAccess		16:01:37.316	DL-D...	eNodeB->...	RRCCONNECTIONRECONFIGURATION		
16:01:56.186	LTEIntraFreqHOSuc		16:01:37.336	UL-D...	MS->eNo...	RRCCONNECTIONRECONFIGURATIONCOMPLETE		
16:01:56.186	LTEIntraFreqHOSuc		16:01:37.434	DL-D...	eNodeB->...	RRCCONNECTIONRECONFIGURATION		
16:02:03.530	VolTECallSetupFail(MOC)		16:01:37.436	UL-D...	MS->eNo...	RRCCONNECTIONRECONFIGURATIONCOMPLETE		
16:02:03.530	VolTECallAttempt(MOC)		16:01:37.445	UL-D...	MS->eNo...	MeasurementReport		

主叫发起通话请求后建立QCI=5和QCI=9但未建立QCI=1

圈出QCI9和QCI5的建立event

Time	Event	Information	Time	Channel	Direction	Message	Source	Time	Protocol	Information
16:01:26.451	LTEERABAbnormalRel		16:01:33.522	BCCH...	eNodeB...	SystemInformationBlockType1	MS1	15:57:26.257	SIP_TXT	IMS_SIP_OUTGOING_TERMINATED
16:01:26.451	LTEERABAbnormalRel		16:01:33.542	BCCH...	eNodeB...	SystemInformationBlockType1	MS2	15:57:22.290	SIP_TXT	IMS_SIP_INCOMING_TERMINATED
16:01:26.665	LTETAUUpdateAttempt		16:01:33.562	BCCH...	eNodeB...	SystemInformationBlockType1	MS1	15:57:57.385	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
16:01:26.670	LTERandomAccess		16:01:33.582	BCCH...	eNodeB...	SystemInformationBlockType1	MS2	15:57:56.488	SIP_TXT	IMS_SIP_INCOMING(0x0068)
16:01:26.671	LTERRCSetupReq		16:01:33.604	BCCH...	eNodeB...	SystemInformation	MS2	15:57:57.402	SIP_TXT	IMS_SIP_RINGING(0x006b)
16:01:26.708	LTERRCSetupSuc		16:01:33.605	BCCH...	eNodeB...	SystemInformationBlockType1	MS1	15:58:02.056	SIP_TXT	IMS_SIP_RINGING(0x006b)
16:01:26.742	LTETAUUpdateSuc		16:01:33.624	BCCH...	eNodeB...	SystemInformation	MS1	15:58:04.031	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
16:01:33.696	LTECellReselection		16:01:33.625	BCCH...	eNodeB...	SystemInformationBlockType1	MS2	15:58:00.032	SIP_TXT	IMS_SIP_ESTABLISHED(0x006d)
16:01:35.242	LTERandomAccess		16:01:33.644	BCCH...	eNodeB...	SystemInformation	MS1	16:01:04.473	SIP_TXT	IMS_SIP_OUTGOING_TERMINATED
16:01:35.243	LTERRCSetupReq		16:01:33.645	BCCH...	eNodeB...	SystemInformationBlockType1	MS2	16:01:00.538	SIP_TXT	IMS_SIP_INCOMING_TERMINATED
16:01:35.243	LTEActiveRequest		16:01:33.649	BCCH...	eNodeB...	SystemInformation	MS1	16:01:35.865	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
16:01:35.289	LTERRCSetupSuc		16:01:33.654	BCCH...	eNodeB...	SystemInformation	MS2	16:01:35.390	SIP_TXT	IMS_SIP_INCOMING(0x0068)
16:01:35.324	LTEERABSetupAttempt	eps-BearerIdentity:5	16:01:33.664	BCCH...	eNodeB...	SystemInformation	MS1	16:01:50.960	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
16:01:35.324	LTEERABSetupAttempt	eps-BearerIdentity:6	16:01:33.665	BCCH...	eNodeB...	SystemInformationBlockType1	MS2	16:01:48.013	SIP_TXT	IMS_SIP_INCOMING(0x0068)
16:01:35.324	LTEActiveSuc	Service Request(EPS)	16:01:33.669	BCCH...	eNodeB...	SystemInformation	MS1	16:02:03.530	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
16:01:35.332	LTEERABSetupSuc		16:01:33.674	BCCH...	eNodeB...	SystemInformation	MS2	16:02:00.523	SIP_TXT	IMS_SIP_INCOMING(0x0068)
16:01:35.332	LTEERABSetupSuc		16:01:33.685	BCCH...	eNodeB...	SystemInformation	MS1	16:04:43.888	SIP_TXT	IMS_SIP_OUTGOING(0x0069)
16:01:35.390	VolTECallAttempt(MTC)		16:01:35.227	PCCH	eNodeB...	Paging	MS2	16:04:43.541	SIP_TXT	IMS_SIP_INCOMING(0x0068)
16:01:48.013	VolTECallSetupFail(MTC)		16:01:35.227	NAS	MS->eNo...	ServiceRequest				
16:01:48.013	VolTECallAttempt(MTC)		16:01:35.243	UL-C...	MS->eNo...	RRCCONNECTIONRequest				
16:01:51.053	LTEEventA3		16:01:35.286	DL-C...	eNodeB...	RRCCONNECTIONSetup				
16:01:51.053	LTEHOA3Measurement		16:01:35.289	UL-D...	MS->eNo...	RRCCONNECTIONSetupComplete				
16:01:51.190	LTEIntraFreqHOAttempt	TCellID:46;TargetEARF	16:01:35.320	DL-D...	eNodeB...	RRCCONNECTIONSetupComplete				
16:01:51.190	LTEIntra-eNodeBHOAttempt	TCellID:46;TargetEARF	16:01:35.322	UL-D...	MS->eNo...	RRCCONNECTIONSetupComplete				
16:01:51.197	LTERandomAccess		16:01:35.324	DL-D...	eNodeB...	RRCCONNECTIONReconfiguration				
16:01:51.217	LTEIntraFreqHOSuc		16:01:35.332	UL-D...	MS->eNo...	RRCCONNECTIONReconfigurationComple				
16:01:51.217	LTEIntra-eNodeBHOsuc									
16:02:00.523	VolTECallSetupFail(MTC)									

被叫收到寻呼请求前建立QCI=5和QCI=9但之后未建立QCI=1

圈出QCI9和QCI5的建立event

GENEX Probe - (Untitled.xml)

Message Browser - MsgExplain

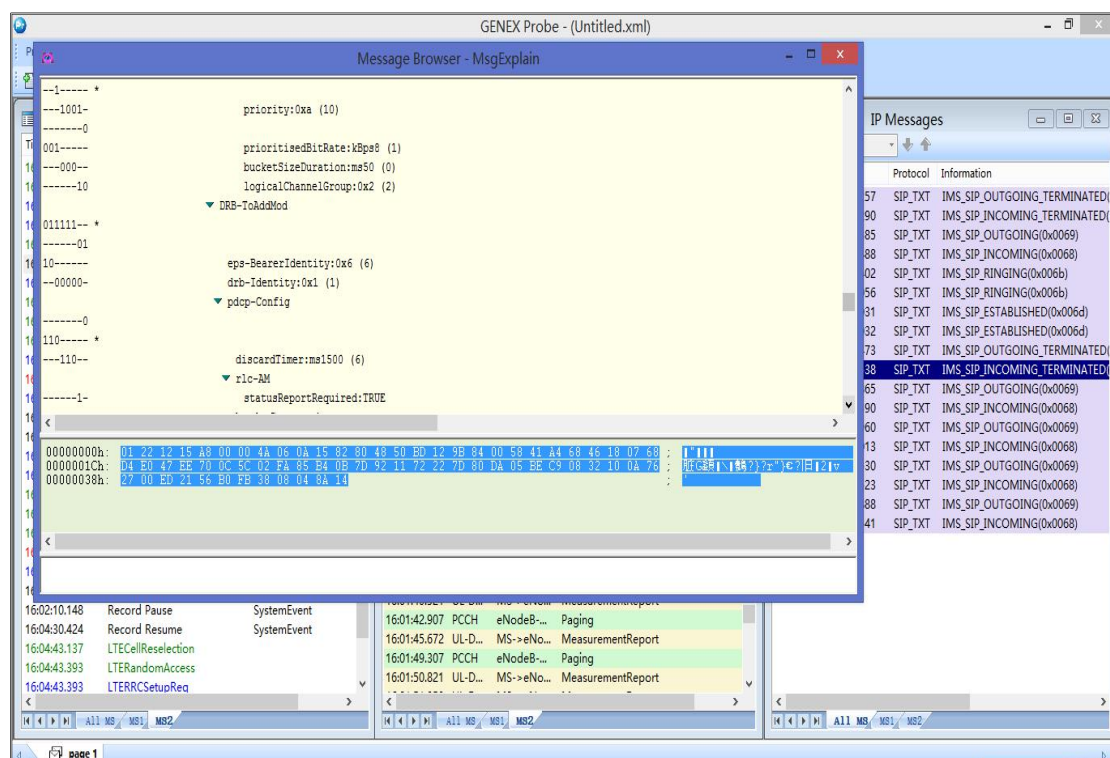
-----010
1-----
00001--

-----01
10----- *
-----110---

-----1--
10----- *
-----0 *

-----0
00----- *

RRC配置消息里被叫的默认承载QCI=9激活



RRC配置消息里被叫的默认承载QCI=5激活

补2张图，表示主被叫一直到失败均未发生QCI1的建立过程

Xxxx时间点被叫先进行TAU（从TAC6232到TAC6214），完成后随即RRC连接释放。之后收到寻呼消息，且成功建立RRC连接以及QCI9和QCI5的承载，但一直未收到被叫INVITE消息，随后RRC连接被释放。

微信扫描以下二维码，免费加入【5G 俱乐部】，还赠送整套：5G 前沿、NB-IoT、4G+ (VoLTE) 资料。

