[Demo] NLP Dataset for Customer Service Automation

Company Type	Mobile Network Operators
Inquiry Category	VoIP (Voice over IP) compatibility and setup
Inquiry Sub- Category	VoIP call quality issues
Description	Customers report poor call quality during VoIP calls, seeking troubleshooting assistance to identify and resolve the underlying causes, such as network congestion, packet loss, or low bandwidth.
Data Size	7,746 paraphrases
Want to buy data?	Please contact nlp-data@qross.me via your business email address.

Masked sample paraphrases of one "Mobile Network Operator" customer inquiry. (Purchased data will not be masked.)

Could excessive usage	degrading voice quality in	_ this cellular carrier's?
Is the of VOiP conversations the	app downloads?	
Would of app related bandwidt	h fidelity?	
Could other apps be affect	ting communication?	
using data affect	my calls with this provider?	
Do you apps that put strain	your connection messing	?
using data-intensive caus	e problem with audio this no	etwork?
it due for cellular data	various this network?	
too much apps inter	fering voice quality?	
Is the performance VOiP calls of	on related the apps tha	at data?
quality of VOiP calls be	data other apps.	
Is data-intensive for	audio over network?	
the data-eatin' that ruin my	on the?	
Is excessive usage from apps affecting	ag voice?	
VOiP communications can	affected by app consumption.	
wonder if too data other _	will the voice my	this provider.
Is calling overwhelming a	pp?	
Can data from apps	in calls?	
amounts data used by applicati	ons can affect voice	
Is it the call sound is	heavy traffic?	
the quality of be affected	by apps?	
audio VOiP communications wi	thin the carrier's compromi	sed by the overflow mobile
data by other affect	services within network?	
voice reception extended app _	?	
Are the apps too and messing _	the carrier?	
Does heavy data on affect		
Is it using too apps ruinin	g calls on?	
Is audio during calls high	demand data applicat	ions?

	amount app-related cellular	affect fidelity?	
Do you _	the apps strain	your could	with VOiP?
	apps the voice quality on	infrastructure?	
Call	adversely affected by	data utilization.	
	audio performance of VOiP commu	inications be	other mobile?
Is there _	chance high data by	applications	the phone calls?
heavy	use other may po	oor voice	
the	quality carrier	s's communication caus	sed heavy use of apps?
the	apps too on ca	arrier?	
	usage by other affect ca	all?	
	_ in voice quality for may	to app	_ consumption.
Is the	_ voice quality the use _	applications?	
Is extensi	ve by apps	VOiP services?	
	clarity of VOiP on	network by app o	download?
	$_{_{\rm -}}$ app data consumption having an ir	mpact?	
	too much data on other	apps will quality	of $___$ calls $___$ this $___$.
the	quality due to data	other?	
Does a	of data by	the quality during	g VOiP?
	possible that excess app use	clarity?	
voic	e affected app data	?	
	nality risk to?		
			fect quality over the?
	for apps harm c		
	_ data usage in apps		
	ty in could affected		tion.
	_ data on net		
	much and m		
	usage from apps detrim		
	ity for communications can be		data
	of VOiP affect		
	app impair sound '		
	_ quality by using		
	because		arious apps.
	mobile this net		
	data may slowing _		tuo ffi o 2
	the of VOiP communication		trainer applications.
	cause problems		
	essive usage other apps		communications?
	usage other apps af		
	data consumption degra		communications?
	pice quality af		
	ound VOiP communications		
	data on apps may affect t		calls.
	degraded of the		
	the of?	applications.	
	voice of my with this	by using too	data other ?
	quality for		
			the calls on network?
	e an on from excess		

Is data-hungry harmful ?
using too much on other quality my with provider?
Can it be that communication is by heavy use other apps?
data-hungry apps hurt of VOiP?
app data degradation communications within your infrastructure?
usage apps impact VOiP communication quality?
Is data clarity calls?
Is data affecting quality?
Are too much or with my voice?
Does app affect quality ?
bad of use data intensive applications? too affecting voice quality network?
too affecting voice quanty fletwork? chances that usage applications might affect the of your calls?
the wretched performance my calls on this darn related to them rogue
Does data from other VOiP ?
use in other can voice quality.
possible that the use apps to lower-quality phone?
the data from apps voice quality network?
data applications may cause degraded voice cellular
too data from other apps for ?
the cellular bandwidth affected fidelity?
voice quality being affected due to usage?
Is possible too much on apps could affect voice of calls?
the of suffer due high traffic?
degradation voice quality could be related data consumption.
data causing degraded for VOiP communications your infrastructure?
Can the quality?
High for data various applications this could be low-quality
clarity can be by from apps.
network service can be affected by data
excessive data damaging voice?
excessive app affect?
amount data usage other applications affect of VOiP?
Is voIP affected by mobile app ?
may be degradation communications due excessive app consumption.
Is voice affected by data usage other?
Does high affect voice quality?
Do voice quality this carrier's VOiP due to use other apps? data-hogging the clarity the VOiP chats?
Is the lousy my VOiP calls on network the apps too ?
Can dataguzzling apps lead to on calls?
Does data in VOiP communication quality?
Does data by other the carrier's ?
Is the voice by app use?
Can data-hungry quality the carrier's infrastructure?
Is voice VOiP by data-hungry?
degraded voice to use of applications?
Is too much other quality of voice?
Do believe data other will the sound clarity your calls?
possible excessive usage is affecting the quality in this?

usage apps bad for communication quality?
data usage apps affect voice of calls?
Is use data various a problem quality the carrier's?
data-hungry voice for VOiP?
degraded due to excessive use applications?
excessive of data by various likely to affect over network this carri
Do amounts of by different quality
excessive consumption by apps affect the ?
Is voice quality intensive?
Will sound calls be the excessive loads from?
Would fidelity affected the of related cellular?
Does a of usage other applications affect the calls in provider's?
that high usage by other applications might sound clarity your
high usage damage quality?
lot of affect calls?
The voice by of used by applications
Will clarity VOiP the carrier's affected app download?
excessive consumption causing a in quality for ?
Do of app cellular affect fidelity?
A provider's service is by data
that app consumption is causing poor voice for ?
the voice by apps on this ?
The poor quality carrier's VOiP communication be to the of data.
Does a amount of other applications affect the ?
data-hungry a voice quality?
it possible the of dataguzzling lower audio?
data on other the voice quality.
Might quality for carrier be app data?
Does data use applications quality?
possible that excessive usage from the voice of the?
Does lot of by apps affect quality?
clarity VOiP on this could be by download.
Could using data other the quality my cellular calls with ?
Is possible that excessive data usage voice in?
Data-hungry apps quality calls.
fidelity be compromised by excessive consumption within
the inefficiency of my calls on this network hogging too data?
consumption by apps can for services.
Data usage from other be quality communications.
Can usage from apps the voice calls?
Does data affect quality ?
Is the call by heavy mobile app?
Voice might be data usage.
sound of this network's call is affected heavy traffic?
Does amount of other applications quality of VOiP calls?
the of calls here?
Is voice by the of apps?
Can data-hungry apps of this?
Voice quality in calls be by excessive other
a usage by other affect the of VOiP calls?

those too much data messing my	calls?			
quality communications be affected by ex	cessive data usage	·		
I apps would the	voice quality my	calls.		
The be affected by	excess data			
bandwidth apps affect the	of VOiP communications	within	carrier's infrastr	ucture.
Is the quality of my cell affected the	of data	?		
it possible that data affect	eting voice quality of _	calls?		
you that usage other will	the sound clarity during ph	ione	your network	_?
the terrible performance of my this	the rogue l	nogging	data?	
could be by excessive data				
use of various apps to affect ca	all quality carrier	r's?		
Do data affect quality ?				
Is that data from is affecting the	ne voice the	_ calls?		
Does a large data usage other applications affe	ct of	this	_?	
apps voice quality.				
a of data usage other applications affect t	he VOiP	the?	•	
Does excessive affect quality for services	network?			
Will the sound in calls be the	apps?			
WOiP communication?				
other apps use excessive data to call	?			
voice for VOiP calls data-hungry app	os?			
in VOiP can be impacted by data usage _	·			
The degradation in quality VOiP be	result excessive app _	·		
possible excessive consumption from vari	ous reduces clar	ity?		
lot app up calls on the network	:?			
Is heavy usage by for communication	n?			
Is by excess data?				
the voice quality of VOiP by	other apps?			
clarity is impacted				
Does data consumption other apps for				
it that excessive use data apps	would affect qu	ality?		
excessive data may slowing				
Is possible lot app cellular bandwid		y?		
extended app messing reception del				
Does excessive data affect quality _	services within yo	ur?		
too from other voice quality worse?				
network VOiP may by excessive				
there any chances high by other applicati	ons sound	clarity of you	r?	
this call sound mobile app traffic?				
Is it possible that so many		:?		
using data-intensive apps for over in				
Can using lots of quality audio	network?			
the calls by data-hungry apps?				
Would abundance app- related bandwidth affect				
harm voice quality this infrastructur				
that heavy mobile traffic affects network's				
data usage by other the quality VOil	??			
Do app affect calls in this ?	_			
VOiP communications suffer due			-	
the wretched performance of my	related to	gobbl	ling too much d	lata? "

it possible that sucking too much data voice calls?
for this carrier be by app data?
Is the quality data by various applications?
usage other apps communication quality?
excessive use by various negatively quality over the networks?
extra app network calls?
affect VOiP calls carrier?
Is that use by various will call quality over the network?
know app download is the VOiP conversations on network?
Is app data affecting quality ?
disruptions caused by high demand for various this network?
The call quality this carrier data utilization.
Is it app traffic affects the voIP?
Can apps hurt quality infrastructure?
all the up too much and messing with voice ?
Can data usage the voice calls?
app download clarity VOiP conversations on network?
it possible that call sound by app traffic?
voice of my if use too on other apps?
excessive usage may down
Is too from apps bad ?
there data applications will affect the sound clarity on phone calls?
fidelity may be excessive internet various apps.
the poor voice quality excessive on other?
Is data use bad voice in ?
poor voice in carrier's VOiP communication be to heavy use other possible that this network's call affected heavy mobile ?
due to the use of intensive?
if using is ruining quality of VOiP calls this network.
Is there any that excessive data by various affect?
Are there chances high applications will affect the sound clarity phone?
overflow other mobile apps affect performance within this infrastructure.
usage other apps the call sound quality?
Is of app messing ?
Does high other apps hurt communication ?
Are use data by various likely call quality carrier's?
Large of by the voice quality phone calls
data other apps call in your?
so many is damaging the VOiP on network?
the from other impacting voice quality?
it possible that the quality is by ?
Is the quality of in by data from ?
possible that is affecting the voice quality in?
Do you believe that that your could messing with?
excessive data consumption degrading for VOiP?
consumption may voice clarity
be affected data-hungry apps.
the use dataguzzling cause lower-quality audio ?
The carrier's poor quality due to of other data.

Is the voice by heavy use on ?
the from other apps voice?
extensive by affect call quality?
Is excessive use of various to affect on networks?
Is data apps making voice worse?
it that many apps damaging the quality VOiP?
a of other applications the quality the calls?
Slow might be by excessive
if using many apps ruining of my calls on ?
Is it possible excessive use of apps will call quality networks?
Is to due to excessive data ?
The network provider's might by excess data
the the VOiP conversations affected excessive app download?
Is voice cellular impacted by of data on other?
from is voice quality on the
using too data affect the of my cellular ?
Is a chance that data usage other the of your ?
usage apps affect in VOiP communications.
Is use of bad audio during ?
data affect the of
Is excessive mobile apps quality for this particular carrier?
communications beimpaired by high app traffic?
excessive use other apps call quality VOiP in ?
Is possible excessive of data by apps call quality over carrier's?
This network VOiP suffer data use.
There that data usage other applications could affect clarity on calls.
Will of these be affected by loads apps?
there that high usage by other affect sound clarity the calls?
VOiP could due app usage.
VOiP due app use?
The voice this VOiP communication be result of other apps hogging
it possible the poor voice in VOiP communication excessive other apps hogging
Is up on your network?
be by excessive app consumption.
call of carrier be by app utilization.
Heavy data by affect sound quality.
too on apps affecting the voice my with this?
Is voice quality excessive in apps?
data-hungry apps with voice?
Is use service?
High data voice quality VOiP
lot usage applications the voice quality during calls?
data from affect VOiP communication?
data-hungry hurt voice calls?
it possible that the network's mobile traffic?
Is there chance excessive mobile by quality over the carrier's networks?
Is quality degraded due of data?
data usage by other call in VOiP?
high usage other affect the communication?

possible so many is ruining the my VOiP this
of VOiP communications this infrastructure be bandwidth overflow other mobile apps.
VOiP communications could be degraded by excessive from
usage other apps might here.
voice quality impacted usage apps?
Call be compromised by internet
Is other apps a VOiP communication?
Voice be impacted by
it excessive of mobile various apps have effect on call?
The of VOiP this carrier's network may be
Are apps too much messing with my this carrier?
excessive apps with in VOiP communication?
excessive use other affect calls?
wonder if excessive app will voice network.
data-hungry voice VOiP calls?
Is data calls?
All these other are data up ?
Slow to app usage?
The of VOiP may be excessive apps.
it possible that high voice clarity?
much app affect of voice calls?
much from other the of voice?
app voice reception?
Can affect the of this carrier?
Call audio may be compromised internet within
What's on the that gobbling up gumming VOiP?
calls being affected by high ?
possible that usage of other is affecting the voice quality in ?
quality affected excessive usage from apps?
Is the of VOiP calls on this related the rogue much?
Is excessive mobile apps to call quality this carrier's?
voice quality calls can affected data-hungry
Is the audio of overflow from other applications?
network's call sound is affected heavy mobile app
Does extensive consumption other call?
Is heavy mobile app traffic affects ?
Is possible that the network's call app traffic?
Is use of apps likely call quality for carrier?
Is VOiP calls data usage from applications?
Does amount of other applications the voice quality VOiP provider's infrastructure
an excessive of app affect quality ?
Large data by different can affect
apps harming voice?
Can apps quality carrier?
too data quality of voice this?
Is excessive consumption bad for voice on ?
excessive consumption by apps affect quality network?
Data applications quality in cell phones data-hungry apps affect for on this?
Is there of mobile data apps could affect call quality carrier's?

Is there a chance that	by applications _	affect of phone?
the voice quality	_ from heavy data on	?
from othe	er apps affect the quality	the?
much app affec	ting on this carrier	?
voice may be	the amount use	ed by applications.
using too data on	apps qualif	ty my this provider.
s the wretched performance of	my VOiP calls darr	n up much?
the voice quality cau		
Can using		
the use apps	to lower quality?	
		mmunication to heavy use other apps hogging
in other _		
		this carrier's network because app download?
		tions ?
Does data consumption		
Is tl		·
there app data		
data interfering with		
Does heavy data usage by		
Does data consumption in		2
		 quality in communications?
	tion messing with clarity	
Is excessive consump		III IICtWOIX:
possible r		on carrior?
		ork many apps?
heavy oth		
Does high the s		in more collular.
Is voice d		
		voice in communications.
using a of data		
from apps		
Is possible that data		
		he calls in provider's infrastructure?
possible the us		o audio calls?
up calls o		
	ion communication	
		this carrier infrastructure?
		affect my voice with
The call quality	be affected by	usage.
on applica	ations may be to for poor	·
app data might be u	o calls	
Is it the apps are	too much w	vith calls?
Is your calls by	?	
Is possible that using so _	the of	on network?
Data-hungry affect _	calls.	
a chance	data other applicat	tions affect the clarity the phone?
High for cellular	various on	cause noises during calls.
is possible data	a other applications	s may affect the clarity of ?
Is data	call quality this carrie	er?
it possible that calls	low-quality to dema	and data various applications network?

Is the quality degraded because of data ?
clarity VOiP conversations on the be by app
Can data-hungry apps affect ?
lot data usage other voice quality VOiP calls?
Do you think that high data other applications will during calls ?
Do data used different applications affect quality calls
the use data other apps affect the ?
Call clarity may be affected much this
Is from apps causing quality in communications to?
too much data on other apps calls this provider?
the apps consuming data with calls on this?
data consumption causing voice to be ?
it possible that quality this arises heavy of other apps hogging data?
Can too much data apps voice calls this provider?
Can impact the quality ?
high other apps the voice quality?
The on this carrier be affected usage.
Is excessive by likely tocall the VoIP networks offered this carrier?
Voice clarity be calls this network to consumption.
Should the audio performance affected by overflow bandwidth mobile?
other apps the voice on this network?
Is heavy other apps for VOiP?
there extra app data up the?
there any concern about the clarity of this network downloads?
using too on will impact quality my calls with this provider.
it possible that data various voice?
Is data other apps VOiP?
Is voice quality affected the use data other apps?
Do the apps that put on be messing conversations?
Voice may be by excessive data usage.
clarity degraded due to data various apps.
call be affected by app data
Is the due excessive use of data ?
correlation apps and lower-quality during phone calls?
Does a usage by affect voice quality calls in this provider's?
Is excess data degrading ?
fidelity affected app-related bandwidth?
it possible that using so the calls?
Might data voice clarity?
other data use call quality for services ?
Is it likely that excessive use mobile by various apps will ?
data-hungry for the quality?
Is excessive usage from apps a reason VOiP communications?
Is it possible the poor in this carrier's the use of apps
High demand cellular by applications this cause low-quality disruptions
Does excessive data of calls?
The this network is by too from other
Do know if excessive is impacting VOiP on this ?
It's possible that affects the network's
it data other apps is affecting quality on calls?

the poor by heavy data in other?
of voice quality for VOiP communications could be result
Is it possible data from is affecting voice quality ?
the of VOiP the network excessive app?
that poor this carrier's VOiP is caused use of other apps hogging
it the voice quality of calls affected by from apps?
the sucking too much data and call calls on this ?
Is it possible that low-quality audio is by high on the?
Is excessive other applications for VOiP?
dataguzzling cause lower-quality audio phone calls?
heavy data usage by the affect ?
Does other apps VOiP communication?
Heavy traffic network's voIP call sound.
the voice quality because of data-intensive?
Is excessive use of mobile data by various to affect particular ?
possible data-hungry apps will hurt ?
The quality carrier's VOiP may heavy use of other apps data.
Does the quality by excessive ?
can be impacted by consumption.
Is data voice degradation?
data-hungry apps VOiP?
Is data-hungry voice?
the data from affect VOiP communication?
performance of within infrastructure could be from other mobile apps.
Does excessive app calling?
Is excessive other apps communications within this carrier's?
possible that the usage apps is affecting in VOiP?
data usage in apps call sound?
Is usage other apps causing quality VOiP?
it possible that high data by clarity on phone calls?
The call quality for carrier data utilization.
Can the of be by apps?
quality could be degraded loads from apps.
There a possibility of of communications be compromised bandwidth from other mobile
that makila huwaniana anna aculd nagativalu call anantha naturale?
that mobile by various apps could negatively call over the network?
the quality by data use applications?
Is it possible excessive mobile various could affect ?
Is quality this affected data-hungry apps?
of VOiP communications by high app?
Is voice quality heavy of other?
The audio of VOiP within could be compromised by apps.
High data various applications on this cause low-quality
Does the data other applications affect during calls?
sound of VOiP may be high
Can data-intensive apps affect quality of audio this?
Can data-intensive apps affect quality of audio this?
Can data-intensive apps affect quality of audio this? Do you excessive app affects of?
Can data-intensive apps affect quality of audio this? Do you excessive app affects of? high app traffic for sound communication?

the voice quality degraded by applications?
A of by applications can impact voice
use of apps lower-quality during calls?
Is excessive data usage metwork?
Are the hogging data and with my voice calls?
the harm quality?
Will excessive download affect of on carrier's?
demand for by various applications on network cause noises
App usage may
Extra app up calls on your
clarity app data consumption in this?
clarity be excess data use.
app voice clarity?
voice quality degraded data from apps?
Is it possible with quality caused high demand cellular by various
Is excessive from other applications degrading VOiP?
Data usage other could be voice VOiP
traffic bad for the sound communications?
use of data other apps VOiP ?
the apps up much and messing voice this carrier?
Is thevoice thisVOiP communication caused by use other ?
Is data usage apps the quality calls?
it possible that usage from other the calls?
high traffic the of VOiP?
Is that excessive app-related cellular will speech?
extra app data up?
Is sucking too much data with my the carrier?
call affected extensive utilization?
Voice clarity may be by excessive data This provider's VOIP affected excess data use
This provider's VOiP affected excess data use.
Is abysmal performance of this network related to apps too data? Can quality be apps?
quality be apps: in other affect VOiP?
the sound VOiP communications affected by ?
the sound von communications uncested by Can data-intensive apps cause audio over this?
you high data usage applications will affect the phone?
Is excessive download impacting clarity VOiP on ?
you think the voice quality in carrier's VOiP is to other?
the quality in this VOiP communication caused use of ?
may be with calls your network.
Does usage by apps affect sound?
too much data apps the voice of my this?
overuse of cause voice quality in cellular
poor quality in carrier's communication due to use other ?
The poor quality this VOiP communication may result of heavy other
consumption affecting voice clarity in ?
Is poor voice quality this carrier's VOiP the of hogging data?

Do heavy data by call?
heavy other apps call sound quality?
from other apps is voice quality
The voice calls could be impacted using data apps.
using many apps ruining VOiP on ?
Is that the poor voice in carrier's communication due heavy apps?
are concerns about clarity VOiP of download.
Is the poor carrier's communication caused use other apps?
clarity possibly be excessive app consumption.
Is impacted by much data?
Is it possible that calls are demand for applications network?
large of data usage other applications voice during VOiP?
Does a large by other affect VOiP calls?
Is this network's voIP by mobile app?
voice because of use of data-intensive?
Is a that high data usage other applications sound on your ?
the voice in be attributed to the other apps hogging data?
data usage by impact communication?
audio performance communications this dataset carrier's be overflow from other apps
Is the call quality the data usage ?
Does usage from other affect communication?
the poor voice quality carrier's VOiP communication to the use other ?
amount of data used by quality on phone
may cause lower-quality during
Do app-related fidelity while aVoIP service?
data consumption causing voice ?
lousy my VOiP calls on rogue apps hogging up too data?
Is the poor voice quality by heavy use ?
possible thatappsaffecting voice quality this carrier's calls?
it possible that the VOiP communication the of ?
data use going to clarity?
Are any issues this carrier's network because of app download?
Can apps the of VOiP ?
Is it network's call is heavy traffic?
Is the data other the quality?
the quality of be affected by from?
excessive use apps affect call quality over the carrier's network.
Is heavy data poor?
Do high applications will the sound clarity your network to compromised?
usage by applications affect sound quality?
Is other apps woice quality in VOiP?
Is much data from bad quality?
The quality be by app data utilization.
traffic sound of VOiP ?
Are the apps hogging data messing with ?
I wonder much data on will the quality on my calls with
data usage by affect the quality of?
Does data voice quality?
Heavy data could poor voice quality.
app use to affect ?

	data hurting the on this network?
Data	other be voice quality this
Does	s other apps the call for services?
	_voice quality by data from apps?
Can	the use the of during calls?
	it possible voice in calls affected by usage from other apps?
	data voice and delivery?
	demand cellular data by various applications on network to
	of app mess calls on network?
	those apps hogging and messing my calls carrier?
	e quality excessive data usage from
	other hogging may be to for voice quality VOiP
	wretched my calls darn related to rogue apps hogging much data?
	a of data-intensive the audio over this ?
	there a of app-related cellular bandwidth, would ?
	usedatagoing tocall quality over the?
	excessive data in apps voice ?
	by apps call sound quality in VOiP ?
	extensive by other call quality?
	apps likelyaffectover?
	poor due to use other applications.
	affecting quality calls.
	using lot of data intensive affect the?
	data voice?
	terrible performance ofVOiP on this them rogue up too much?
	data causing the degradation of ?
	using lots data-intensive apps make worse on?
	demand cellular data various on this network low-quality occur.
	ere too other apps voice?
	a data by other applications affect ?
	from other apps affect communication quality.
Is ex	cessive data usage from affecting the the ?
	data from other affect of communication?
	those trashing my VOiP?
	excessive data voice during?
	network provider's service affected excess app data
Is	data usage apps affecting the voice quality ?
	usage apps affect the quality?
	excess data voice clarity in service?
	clarity VOiP on the carrier's excessive app download.
	the data-hungry WOiP worse?
	too other affect the quality my cellular calls this provider
	use of voice quality in conversations.
	it possible that high demand data various applications?
	voice my cellular calls be affected the data used other
	excessive app bad voice quality VOiP ?
	s a of data by the quality calls are being made?
	it excessive data usage from apps to ?
	s excessive app data of here?
	call could by much usage.

Does	_ app data	voice?				
The	voice clari	ty could be		_ data use.		
Do other	consu	mption affect the	of	?		
exce	essive usag	e other	for	voice quality	of communica	tions?
		could affected _				
		a usage in other			ity?	
		apps affect call				
		quality				
		at data usage by	other		sound of _	?
					, ,,	
		on other apps affect _			_ phone calls	provider?
		uch data		atia a	muolitus in one	
		sage apps		cung	quality in ca	rrier?
		apps sour s cause sour				
		r apps hurting				
		_ data usage		ffect the voice o	uality during	iP ?
		other apps the				
		harm voice			·	
		apps hurt voice		this network?		
		cellular voi				
		other cal				
		quality of calls?				
		applications on _		can low-q	uality disrupti	ons.
	_ large of d	ata other _		VOiP	_ in this provider's	infrastructure?
	_ a that	usage by	_ applicati	ions might affec	t the sound o	n calls.
Is the am	ount of	bad	qua	ality?		
Is it	·	amount of app-relate	d cellular	bandwidth coul	d?	
usag	ge from	can affect qua	lity	VOiP		
		affect audio				
		if a _		app-related cel	lular?	
		apps				
		degrad			ive usage from	n apps?
		er apps affecting		lity?		
		quality cal				
		other voice		41	1:42	
		of data by a				pollo
		a by on the t usage by				
		excessive fi				
						heavy of apps?
						hogging up too data?
		qu				999F
		interfering				
		quality on this n		± 0.		
		ımption voice qı		VOiP commun	ications?	
		ct this				
		er apps for voice				
				calls is being _	excessive	e from other
I wonder		from other apps		voice in	VOiP	

I wonder if apps up much my calls.
Does data apps affect quality?
Heavy may to blame for poor voice
app damaging reception?
quality cellular affected if I use too on other apps.
Did app calls on ?
It's poor quality carrier's VOiP communication from heavy other apps hogging
Call may excessive app data
Is data usage bad voice clarity?
Is a chance that will affect sound clarity on the calls?
The quality for communications be degraded excessive
Is of my VOiP on network related to up too much?
in be affected by data from apps.
other apps impacting voice?
quality in VOiP be excessive data from apps.
Voice quality VOiP calls can by from
Does data usage harm?
Does a lot of app interfere ?
Is calls being by high usage other ?
Is poor heavy apps?
Does high apps affect quality?
quality bad because use of ?
Is calls by high usage from apps on network?
much data voice on network?
Does large of used by the quality during VOiP?
The clarity VOiP on this carrier's excessive download.
link between demand for cellular various applications low quality calls?
data-hungry apps voice on ?
data usage from other impacting ?
excessive from other affect quality?
wonder if excessive app consumption causing in your
Is the voice quality affected by ?
Call app data usage.
Is it that excessive use of data by will call carrier's?
Do you high by will affect the sound clarity your ?
apps affect this carrier.
it poor voice quality this carrier's communication due to the use hogging data
signal by heavy apps?
Do data-hungry affect VOiP?
there a high demand for data various and ?
Do you on network?
The of VOiP within could be by from other mobile apps.
the data from other apps this?
Is apps affecting the of voice?
that heavy app traffic affect network's sound?
Will the sound be the loads from apps?
extensive data by apps call for?
Is that the quality my calls on network by using apps?
heavy data other affect the sound quality?
other applications affect voice quality?

Is overall voice quality by the used other ?
if using a lot of data on apps voice of calls this
Does data use affect call sound ?
of VOiP be compromised overflow of from other mobile
Does amount data for other applications affect the calls?
it possible that use of mobile data various negatively affect call ?
Does a large amount usage by other applications ?
Is data-eatin' that screw my voice on ?
Are issues VOiP conversations on this network due app download?
Does data from apps communication quality.
High demand for cellular data applications on could be
Is use affecting ?
Is on network's call sound?
Large amounts data applications impact voice quality calls.
Can it be that the poor quality in due to heavy use apps apps
Is voice by app ?
data usage by other affect quality communication?
voice quality of cellular calls the use much other apps?
The quality my be affected by the amount of data used other
Is use of leading to ?
Shouldn't the poor voice this carrier's VOiP be attributed to apps ?
Data-intensive applications can degraded conversations.
Does high data by other the phone?
Is app traffic impairing communications?
of data ruin on your?
excessive use affect voice ?
the network provider degraded excess app data use.
Does amount data usage by affect VOiP within the?
Can excessive of dataguzzling to poor ?
Is much to the voice of my with this provider?
The clarity of this is by app downloads.
excessive from other apps voice ?
Can from other apps calls?
excess affecting VOiP clarity?
Does heavy data usage voice?
provider's VOiP may problem excess app data
hurt sound of VOiP communications?
Will the conversations on this carrier's be download?
think high data by affect the in phone calls?
if using too much data other apps will my with provider.
if excessive affects clarity in this network.
you think that abundance of bandwidth affect ?
Do think the in this carrier's communication is of heavy other hogging?
impair VOiP communications?
the voice in this VOiP communication be formula of other apps hogging ?
Is it possible poor voice quality in this carrier's VOiP is use ?
I'm wondering if my with this
Do high data by applications the clarity during on network service?
communication may have poor voice quality because use of
cellular carrier's affected high data usage?

Is the quality	y the _	by	data?	
Do	_ high data _	by	the sound	phone calls on your service?
What's going	J	the	that and	up VOiP calls?
	of	data by	going to affect call	carrier's network?
Can	data	intensive apps	audio over the	?
Is degr	radation		VOiP communications ca	used by app data?
Is	affected by	apps on	?	
Is	quality	_ by data-hungry	this carrier?	
v	oice	VOiP calls bei	ing of high data	?
High	cellular		applications on this r	network may cause disruptions.
High fo	or cellular da	ta by	the network may	audio
Can	said	the	in carrier's VOil	P result of heavy use of other apps
excess	ive data usag	e from app	s	VOiP communications?
the	of	other apps af	fecting voice?	
all thos	se	much data	messing my _	calls oncarrier?
	it v	vorse for VOiP _	?	
Can it	that	poor	this carrier's	communication from heavy use of data?
Is excessive	use of	variou	ıs apps bad	carrier's network?
u	sage	applications	the during	g calls in this provider's infrastructure?
the	clarity deg	graded	_ excessive data consumpt	ion of?
Do you	the amount	app-related	l spe	eech fidelity?
Is a	that	mobi	le by apps will	call quality?
it possi	ible exc	essive data	ı is causing a in	?
Is	bad fo	r call quality	carrier?	
excess	ive usag	ge other ap	ps impacting voice _	in?
Do data	a usage by _	th	ne carrier's?	
Is it		_ data consumpt	ion is affecting	
The vo	ice quality in	carrier's V	OiP could be	heavy of hogging
c	larity of	this	be by exc	essive app download?
	that a	app-rela	ated cellular bandwidth	affect speech?
Does the	consumpti	ion of	affect for VOiP	?
Can us	e of fro	m	the quality?	
Does a	of usag	je app	olications affect	quality during within this infrastructure?
	quality _	to the use of	f intensive?	
overuse	_ data		degraded voice quality in	conversations.
Does	cor	nsumption	other apps affect	_ for services?
a	pps affect vo	ice on	infrastructure?	
fo	or cellular da	ta various a	applications	may cause low-quality
u	sage of mobi	le	apps affect _	over the carrier's networks?
p	ossible that _	related	_ bandwidth affect _	fidelity?
			are affected by heavy	
			consumption within	
	lot of ap	p cellular b	andwidth speech	_?
Is a	high	data	other applications will affe	ect clarity on the ?
the ter	rible of	VOiP calls	this	rogue apps too much data?
				e be by overflow
			the voice quality?	
	excessiv	e from	n other apps is the vo	oice quality this VOiP
			affect the voice quality?	
Will excessiv	/e of mo	obile by	affect call quality	carrier's?

Do that the app- related bandwidth affect fidelity?	
excessive of by likely to affect quality carrier's n	etwork?
high other applications the voice quality?	
Is voice reception?	
data other apps affecting voice quality in VOiP calls?	
Is possible usage other apps is the quality VOiP ?	
about other apps data up VOiP calls?	
Is quality due to use of ?	
Is voice in calls affected excessive other apps?	
excessive data from other problem VOiP?	
Would high amounts of cellular speech?	
Does heavy data apps affect call?	
amounts data pplications affect the quality.	
apps bad for audio the network?	
data other applications voice?	
Is excessive data usage other affecting ?	
Could data service?	
a of data-intensive apps bad VoIP ?	
Isappvoice reception?	
Does data affect ? Can it be said that voice to heavy hogging data?	
heavy data other affect call?	
Is possible that data usage by other clarity of ?	
Call quality affected by amount of this carrier.	
Doeslot by applications affect the quality voice?	
Is much data on apps the quality with this?	
Could app affect ?	
Does data by apps call for services?	
Is extra app up?	
data-hungry affect the quality service?	
Arelow-quality of high cellular various applications on	_?
extended damaging the reception?	
Is the quality of VOiP calls ?	
Is the in VOiP calls affected by data usage?	
the high impacting voice clarity here?	
Can data-hungry harm in?	
$ \begin{tabular}{lllllllllllllllllllllllllllllllllll$	ar infrastructure?
Can lots of data-intensive the quality on?	
Is degraded by data usage from?	
possible that excessive usage from apps is affecting quality	VOiP calls?
Can bad quality?	
Does excessive use of by call quality network?	
Does a high other applications the voice quality of ?	
Is that the use of leads to calls?	
Is there too from apps impacting ?	
voice thisVOiP may be to the use other apps how	Jging
Voice clarity in this could app	
high data by other apps affect the ?	
Can data-hungry voice worse calls? data affect VOiP communication ?	
adia directive cir communication	

too much from other hurting voice?
Is possible that this is data other?
Is excessive usage on voice quality communications?
Can data-hungry apps ?
a of usage applications affect a provider's voice?
data in other affecting call sound?
Is extra data ?
The in this VOiP communication by use of other apps hogging
Do high by applications might affect clarity during phone?
Is excessive data other quality?
Does app messing calls network?
high data apps VOiP communication?
Is it possible app data voice quality within cellular?
Does usage affect VOiP communication?
hurt on the infrastructure?
Is much data from other network?
The VOiP conversations on this carrier's might app
you think excessive download the of conversations on the ?
Is there other apps voice on this network?
Are all too much data and messing voice this? Is possible that voip is affected by heavy ?
Is any extra app ?
High cellular data this network can cause low disruptions.
Is it excessive degraded voice quality VOiP communications?
clarity affected by use?
many apps is the quality of my on ?
Is excessive data affecting the ?
Can apps the audio this network?
Do the voice quality
the poor voice quality this communication is due to heavy of apps?
Is it that the voice quality in carrier's VOiP use of other?
usage from might voice
high app traffic cause with ?
usage by other call sound quality?
Voice in VOiP can affected data usage other
data damage to ?
The VOiP communications this carrier's be compromised by overflow other apps
Is data apps the quality in carrier's VOiP?
Is there that use of data apps affect quality the network?
Can a of apps make the this?
Is degraded quality over use data ?
other applications affect the voice during calls?
Is it use impact voice clarity? other apps affect call quality VOiP services?
by other affect VOiP communication?
usage from other apps impacting ?
the calls affected by data.
a large amount of by affect quality during VOiP?
under under quanty during von be affected by usage from other apps.
high data from other communication quality?

data affect VOiP service?
$\label{thm:model} \begin{tabular}{lllllllllllllllllllllllllllllllllll$
Is it excessive of data various affect quality?
think the of VOiP carrier's network is by excessive ?
Does consumption by other apps affect the ?
possible data by various apps could negatively affect quality?
Is the voice calls using data on other?
data-hungry affect the quality ?
Does data usage other affect quality the?
Do other affect quality VOiP in network?
call by app utilization?
think data by applications will the on phone call?
Slow be result of excessive app
Do cellular bandwidth affect when service your framework?
Is excessive app impacting?
excessive data usage apps degrading voice of ?
voice by app data?
demand for cellular by various the audio disruptions.
using of data-intensive make audio worse ?
that excessive data consumption will affect ?
It's that heavy mobile app network's
Is it that affected excessive data from other ?