



Spirent Communications TestDrive LTS Report

3GPP OTDOA Min Perf

AT&T GoFlip2

LTE Band 4 Channel 2175

Test Date: 25-Jan-2017 5:26:03PM
Report Date: 25-Jan-2017 7:16:09PM
Operator Name: Andrew Boer

Signature: _____

Suite File: C:\ProgramData\Documents\Spirent Communications\TestDrive
LTS\Suites\3GPP\3GPP 37.571-1 Control Plane\37.571-1
MS-Assisted\Section 9 OTDOA Minimum Performance\37.571-1
User Comments: Sec 9.1.1 FDD RSTD Measurement Reporting
3GPP Sec 9.1.1 FDD Meas Reporting Delay CP LTE B4 - V1 (For
Delay UE-Assisted.suj
got to update Device Description to TMO GoFlip)

Test Results Summary

Test #	Title	Description	Status
1	37.571-1 Section 9 OTDOA Test Cases	37.571-1 Sec 9.1.1 FDD RSTD Measurement Reporting Delay	Pass
Completed Calls			
Number of Measurements		33	
Completed Measurements		33	
# of Good Results		33	
# of Bad Results		0	
Response Time - Max (s)		3.4	
Response Time - Min (s)		2.9	

General Test Events

- Info Executing 37.571-1 Sec 9.1.1 FDD RSTD Measurement Reporting Delay,UE-Assisted.sui
- Info Validating 37.571-1 Sec 9.1.1 FDD RSTD Measurement Reporting Delay,UE-Assisted.sui
- Info Validation completed: no errors.
- Info LTE Band 4, Channel 2175 will be used for all tests.

User Equipment Information

Description Alcatel Apollo (Pop 4 4.5)
Filename: C:\ProgramData\Documents\Spirent Communications\TestDrive LTS\User Equipment\Alcatel GoFlip AT&T.ue

Air Interface Technology

GSM Supported: True
W-CDMA Supported: True
LTE Supported: True
Mobile Country Code: 001
Mobile Network Code: 01
Authentication Type: Authentication and Integrity Protection
KValue: 000102030405060708090A0B0C0D0E0F
IMSI: 001010123456789 |
WCDMA Ciphering Algorithm: None
Delay of Detach Accept (s): 0
Test Ports: Separate from Cellular
GNSS Coupling Loss: 1.50

Positioning Technologies

UE Based: True
UE Assisted: True
Autonomous: True
eCellID: True
eOTD: False
eOTDOA: False
aFLT: False

Positioning Methods

RRC: False
RRLP: True
TIA801: False
LTE: True

Supported SUPL Version

SUPL1 Enabled: False
SUPL1 Version: 1.0.0
SUPL2 Enabled: False
SUPL2 Version: 2.0.0

Supported LBS Session Type

Network Initiated: True
SET Initiated: True

Supported Service Type

Periodic Trigger: False
Event Trigger: False

Supported Reporting Mode

Real Time: False
Quasi-Real Time: False
Batch Reporting: False

Supported Interval Between Fixes

Minimum Interval Between Fixes (sec): 30
Maximum Interval Between Fixes (min): 30

Supported Batch Reporting Capabilities

Report Position:	False
Maximum Number of Positions:	100
Report Measurements:	False
Maximum Number of Measurements:	100

Supported Notification Type

Supported Notification Type:	Requestor ID and Client Name
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UE Automation Settings

Enable UTS:	False
Manufacture:	
Model:	
Port:	
Reset UE:	False
Powercycle UE:	False
Enable LBS Rover:	False
Enable AT Command:	True
Port:	COM36

AT Command Setting:	
Reset UE:	AT+CFUN=1,1
Originate a voice call:	ATD
Answer a voice call:	ATA
Originate a MO-LR session for Assistance Data(control plan only):	
Originate a MO-LR session for Location Estimate(control plan only):	
Originate a Set-Initiated Location Request(SUPL only):	
Retrieve handset location:	
Accept Privacy Notification:	
Deny Privacy Notification:	
Reset UE Positioning Stored Info:	
LTE PDN Setup Command:	
LTE PDN Attach:	
LTE Connection Manager Activation:	

Manual LTE Reset UE Supported:	False
Manual LTE Connection Manager Supported:	False

LTE Security Parameters

AS Security Supported:	True
AS Ciphering:	None
AS Integrity:	Snow3G
NAS Authentication:	Test
NAS Ciphering:	None
NAS Integrity:	Snow3G
HSS AMF:	8101
HSS Op Variant:	63BFA50EE6523365FF14C1F45F88737D
HSS RAND:	AA55AA55AA55AA55AA55AA55AA55AA55
HSS Secret Key:	000102030405060708090A0B0C0D0E0F

LTE Core Network Parameters

PDN1 Supported:	True
IP Address Type:	IPv4v6
APN:	www.spirent-lcs.com
PDN2 Supported:	True
IP Address Type:	IPv4v6
APN:	ims
PDN3 Supported:	True

IP Address Type:	IPv4v6
APN:	sos
PDN4 Supported:	False
IP Address Type:	IPv4
APN:	
PDN5 Supported:	False
IP Address Type:	IPv4
APN:	
Administrative Supported:	False
PDN:	1
Application Supported:	False
PDN:	1
Internet Supported:	True
PDN:	1
IMS Supported:	True
PDN:	2
Emergency Supported	True
PDN:	

IMS Service Configuration

Default IMS Network Config	True
PCSCF Type	IPv6
PCSCF Type IPV6 Address	FD00:0:20:1:0:0:1:4
PCSCF Type IPV4 Address	192.168.253.4
Emergency IMS Network Config	True
PCSCF Type	IPv6
PCSCF Type IPV6 Address	FD00:0:20:1:0:0:1:5
PCSCF Type IPV4 Address	192.168.253.5
SigComp Enabled	False
IMS Security	
AMF(Hex)	0x8101
SQN Enable	False
SQN(Hex) content	0x000000000021
Authentication Algorithm	Test
RES length in bits	1

Data Client Settings

Connection Mode:	Network Interface Card
Interface Identifier:	Network Assigned IP Addre
Interface Name:	

User Equipment Insertion Loss

<u>Frequency (MHz)</u>	<u>Insertion Loss (dB)</u>
900	2
2500	2

Execution Parameters

Enable Force Registration: False

Delay Before Registration: 3 sec

Registration Timeout: 90 sec

Minimum call setup level: -55.00 dBm

Delay Before first call: 8 sec

Call setup timeout: 35 sec

Enable multiple call attempts: Enabled

Maximum Number of attempts: 5

Delay between attempts: 5 sec

Start Network Initiated Location session over: CS domain

Instrument Information

Instrument:	Spirent GPS Simulator
Model:	GSS6700
Version:	V5.06.00
Options:	
Address:	127.0.0.1

Instrument:	Spirent SMLC Emulator (SSE)
Model:	Spirent SMLC Emulator
Version:	10.01.104
Options:	
Address:	127.0.0.1

Instrument:	Spirent User Plane Application Services
Model:	
Version:	
Options:	
Address:	192.168.0.35

Instrument:	SR3420 Wireless Network Emulator
Model:	AirAccess WCDMA Network Emulator SR3420
Version:	6.01.004
Options:	2 SRPMs
Address:	192.168.0.40

Instrument:	AT Control Service
Model:	
Version:	
Options:	
Address:	192.168.0.61

Instrument:	Spirent Data Client
Model:	
Version:	
Options:	
Address:	192.168.0.5

Instrument:	Spirent SR3920 Application Server
Model:	
Version:	
Options:	
Address:	192.168.0.70

Instrument:	Primary E2010 Network Emulator
Model:	
Version:	
Options:	
Address:	192.168.0.180

Instrument:	Secondary E2010 Network Emulator
Model:	
Version:	
Options:	
Address:	192.168.0.190

Instrument:	Spirent Test Configuration Unit SR8068
Model:	SR8068
Version:	
Options:	SR8068 with filter.
Address:	192.168.0.204

Instrument:	RF interconnect panel
Model:	
Version:	
Options:	
Address:	

Instrument:	GNSS Record & Playback Box
Model:	GSS6425
Version:	
Options:	
Address:	192.168.0.232

Instrument:	QPoint
Model:	QPoint
Version:	N/A
Options:	
Address:	192.168.0.231

Instrument:	TestDrive LTS
Model:	
Version:	10.10.11.0
Options:	
Address:	

Custom Instrument Commands

Calibration Data

Calibration Date: 1/18/2017 3:09:34PM

Path # 4 -- GPS Simulator to UE (separate port)

Frequency (MHZ)	Path Gain (dB)
1, 575. 41	-8. 73
1, 602. 00	-8. 84

Path # 5 -- GPS Simulator to UE (combined port)

Frequency (MHZ)	Path Gain (dB)
1, 575. 41	-14. 35
1, 602. 00	-14. 25

Path # 6 -- GPS Simulator to Power Meter

Frequency (MHZ)	Path Gain (dB)
1, 575. 41	-4. 91
1, 602. 00	-3. 86

Path # 7 -- WCDMA HS Network emulator to UE

Frequency (MHZ)	Path Gain (dB)
871. 40	-7. 72
881. 40	-7. 84
891. 40	-7. 93
927. 40	-7. 86
942. 40	-7. 89
957. 40	-7. 90
1, 478. 40	-8. 99
1, 485. 90	-8. 96
1, 493. 40	-9. 02
1, 847. 40	-9. 65
1, 862. 40	-9. 75
1, 877. 40	-9. 92
1, 940. 00	-9. 91
1, 960. 00	-9. 83
1, 980. 00	-9. 91
2, 120. 00	-10. 04
2, 140. 00	-9. 88
2, 160. 00	-9. 84

Path # 8 -- **WCDMA HS Network emulator to Power Meter**

Frequency (MHZ)	Path Gain (dB)
871.40	-7.70
881.40	-7.83
891.40	-7.96
927.40	-7.85
942.40	-7.88
957.40	-7.87
1,478.40	-9.00
1,485.90	-8.99
1,493.40	-9.10
1,847.40	-9.79
1,862.40	-9.92
1,877.40	-10.13
1,940.00	-10.09
1,960.00	-10.00
1,980.00	-10.09
2,120.00	-10.24
2,140.00	-9.99
2,160.00	-9.93

Path # 9 -- **B500C/CDMA to UE NonDuplex**

Frequency (MHZ)	Path Gain (dB)
400.00	-23.51
450.00	-23.74
500.00	-23.05
700.00	-25.10
750.00	-25.41
800.00	-25.54
850.00	-25.70
900.00	-26.07
950.00	-26.01
1,000.00	-26.24
1,400.00	-27.70
1,450.00	-27.88
1,500.00	-28.66
1,550.00	-73.43
1,700.00	-29.28
1,750.00	-28.81

1,800.00	-28.90
1,850.00	-28.93
1,900.00	-29.21
1,950.00	-29.63
2,000.00	-29.60
2,050.00	-29.83
2,100.00	-29.71
2,150.00	-29.86
2,200.00	-30.18

Path # 10 -- B500C/CDMA to UE Duplex

Frequency (MHZ)	Path Gain (dB)
400.00	-3.56
450.00	-3.72
500.00	-3.93
700.00	-4.54
750.00	-4.76
800.00	-4.86
850.00	-5.06
900.00	-5.14
950.00	-5.20
1,000.00	-5.38
1,400.00	-6.19
1,450.00	-6.33
1,500.00	-6.45
1,550.00	-6.68
1,700.00	-6.95
1,750.00	-6.89
1,800.00	-6.95
1,850.00	-7.03
1,900.00	-7.17
1,950.00	-7.31
2,000.00	-7.35
2,050.00	-7.51
2,100.00	-7.67
2,150.00	-7.61
2,200.00	-7.68

Path # 11 -- B500C/LTE Pri out to UE

Frequency (MHZ)	Path Gain (dB)
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以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/366233205031010034>