DATA PACKAGE INFORMATION SHEET

Applicant Information	Name / Ad	TIF dress: N//		
	Standard:	IEC 60950	-1:2005	(Second Edition); Am1:2009 +
	Am2:2013			<u> </u>
Product Information	AIII2.2013	CCNS.		
iniornation	Product:	Base trans	ceiver s	station
	Models:	Open Cellu	ular Cor	nect-1 GSM BTS
Test Location	nam only Authorized or TCP Re	en all tests a e of the pe , signature I Signatory viewer:	rson cor not requ Sign Print Date	Abraham Alganes ducted by one person, the printed name can be inserted here; otherwise, the nducting the test shall be entered on each page containing data (printed name uired).
	UL WTDP / WMT Witness:		Sign Print	
	•			
Reviewed & Accepted	Qualified F Handler:	Project	Sign	Paul Pham Paul Pham/ Handler

LIST OF TESTS

Test Name	<u>Page</u>
4.2.5, 4.2.1, PART 22 10.2 - IMPACT TEST	6

Special Instructions - Unless specified otherwise in the individual Methods, the tests shall be conducted under the following ambient conditions. Confirmation of these conditions shall be recorded at the time the test is conducted.

<u>Standard</u>	Ambient Te	emperature, °C	Relative Humidity, %	Barometric Pressure, mBar
		±	±	±
60065	25	± 10	Max 75	Not specified
60601-1	+10	to +40	30 to 75	700 to 1060 hPA
60950	Not sp	pecified	Not specified	Not specified
60950-1	Not sp	pecified	Not specified	Not specified
61010-1	+15	to +35	Max 75	75 to 106 kPa
61215	Not s	pecified	Not specified	Not specified
61646	Not sp	pecified	Not specified	Not specified
61730	Not sp	pecified	Not specified	Not specified

RISK ANALYSIS RELATED TO TESTING PERFORMANCE:

The following types of risks have been identified. Take necessary precautions. This list is not all inclusive.

[] Electric shock	[] Radiation
[] Energy related hazards	[] Chemical hazards
[] Fire	[] Noise
[] Heat related hazards	[] Vibration
[X] Mechanical	[] Other (Specify)

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Witness Test Data Program (WTDP) Information:

Environment:

Accommodations and Environmental conditions, including proper power source meet the requirements of the test standard or UL default criteria (ISO/IEC 17025 Clause 5.3.1, 5.3.2. 5.3.3, 5.3.4)

[]Yes []No []N/A

Personnel:

Lab Management shall authorize personnel to operate particular types of equipment used in testing. (ISO/IEC 17025 5.2.5)

[]Yes[]No

Equipment:

Testing is being conducted within the test equipment calibration dates. (See Test Instrument Information Page and ISO/IEC 17025 5.5.1, 5.5.2, 5.5.4, 5.5.5, 5.5.8)

[]Yes []No

Calibrations for testing equipment is traceable to SI Units. Refer to 00-OP-C0032 (Calibration Certificate Analysis. (ISO/IEC 17025 5.6.2.2)

[]Yes[]No

Critical Consumables:

Critical consumables are compliant with test standard requirements. (ISO/IEC 17025 Clause 4.6)

[]Yes[]No[]N/A

Sample Identification:

Identification of items to be tested has been made (e.g. model no., Serial No., etc.) (See Test Sample Identification page and ISO/IEC 17025 Clause 5.8.2)

[]Yes[]No

Summary:

The test facility [was] [was not] deemed to have the environment and capabilities necessary to perform the tests included in this data package.

[] The CAS Staff as indicated below, (a competent L1, L2 or L3 in a similar CCN/Standard for a similar test method) was utilized to conduct the witnessing of tests on behalf of the project handler. (Please complete the table below to document the rationale and approval.)

Name of UL Staff conducting WTDP	CCN/Standard to be witnessed	Test(s) to be witnessed	L1, L2 or L3 Competency	Similar CCN/Standard Competency	L3 Reviewer Approval & Date (Similar CCN/Standard)

[] The Field Services Staff Member, as indicated below, (with a competent program competency as authorized by the FOM) was informed and utilized to conduct the witnessing of tests on behalf of the project handler. (Please complete the table below to document the information and approval.)

Name of UL Staff conducting WTDP	CCN/Standard to be witnessed	Test(s) to be witnessed	FOM Approver (name)	L3 Reviewer Approval & Date (Similar
				CCN/Standard)

TEST SAMPLE IDENTIFICATION

The table below is to provide correlation of sample numbers to specific product related information. Refer to this table when a test identifies a test sample by "Sample No." only.

Sample Number	Sample Card Number	Date Received	Manufacturer, Product Identification and Ratings
1	910768	2017-11-06	Facebook, Base transceiver station, model Connect-1 GSM BTS, 16-24 Vdc, 3A 48 Vdc PoE, 1.5A (provided from external power source)
Sampling Proce	dure (if used):		

TO BE COMPLETED BY STAFF CONDUCTING THE TESTING:

TEST LOCATION:						
[X]UL or Affiliat	e []WTDP	[]CTDP	[]TPTDP	[]TCP	[]PPP	
	TMW[]	[]TMP	[]SMT			
Company Name	UL LLC					
Address	47173 Benio	cia St. F	remont, CA	94538-73	66 USA	

[] LINK(s) TO OTHER UL LOCATIONS WHERE ADDITIONAL TEST DATA/OBSERVATIONS ARE STORED:

Link to separate data files for a test can be inserted here. The link must be a server that is accessible to UL staff, that provides for backup, required retention periods and a path, including file name that does not change and result in a broken link. Not applicable to DAP.

Test Name	Full Link to Location

TEST INSTRUMENTS REFERENCE LIST

[X]UL test equipment information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database.

Instr.	Instrument	Instrument	Range Used Or ***	Make and Madel **	Calibrati	ion Date
Code	I.D.	Type	Or ***	Make and Model **	Last	Due
	See Meter Use in Aurora					

"Chamber setting(s) [was] [were] monitored to ensure that the setting(s) [was] [were] stable throughout the test time frame. Any deviations from the setting(s) are noted below.

Date	Test	Instrument Code	Time period of deviation	Setting(s)

^{**} Information to be recorded when tests are conducted at a non-UL facility.

^{***} Refer to specific data sheet for individual scale used.

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riie c	-404144 F	тојест	4767920792	Fillit date	2017-11-10		Page 6 01 7		
Tested	by: Abraham Alganes		Tested by:		Test	t date:	2017-11-20		
	signature			print					
Sample	e#: <u>1</u>		Instrument Code / Range:						
4.2.5, 4 METH	4.2.1, PART 22 10.2 - IMP/	ACT TES	ST						
was im	it was placed on a solid su parted to the surface by a d to fall freely through a dis ontal position.	smooth	steel sphere 50 r	nm in diameter and	weighing 500	$g \pm 25$	g. The sphere was		
[X]	For outdoor equipment or in a chamber adjusted at removal from the chamber	tempera							
[]	Following the impacts, the	e unit wa	as subjected to a	n Electric Strength T	est for one m	inute.			
	Location				Р	Potential Used (V)			
	From		То		[] ac		[] dc		
Α									
В									
RESUI	_TS								
Measu	red Oven Temperature (°C): -20					-20		
Conditi	oning Start Date/Time:		7-11-20 @ Conditioning End D		Date/Time 201		17-11-20 @ 3:15PM		
Cool to Date/T	Room Temp Start ime:		Cool to Room Temp Date/Time:		mp End				
Sphere diameter (mm):			Weight of Sphere (g): _500 g ± 25 g			[X] Fall [] Drop distance(m):			
Matari		I	Iron o et A		05	4:a-a-			
Material			Impact Area	Observa		inad the same			
Sadic/(GE, P/N FN215X (f1)		Top cover		Enciosur	e rema	ined the same.		
Lab An	nbient: 23.18°C / 44.65%R	H / 1016	6.6mBar						

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Doc. R_19_54

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•			
	signature	print	
Sample #: 1		Instrument Code / Range:	

4.2.5, 4.2.1, PART 22 10.2 - IMPACT TEST (con't)

It [was] [was not] possible to access hazardous moving parts.

It [was] [was not] possible to access hazardous voltage circuits

Protective Earthing connection [was] [was not] affected.

Cord anchorage and strain relief [were] [were not] damaged.

Creepage and Clearance spacings [were] [were not] reduced.

[]	There [was] [was no] damage which could affect the ingress of dust and moisture.

[] There was no indication of a dielectric breakdown.

There was	dielectric	breakdown.
	There was	There was dielectric

Location	Voltage (V) [] AC [] DC	Time (sec.)

Comments:			
Comments.			

NOTES TO LAB:

- 1. Describe under Observations any opening created or if the unit, any accessory, or any part suffered permanent distortion, or damage. Test person should contact engineer who judges these results.
- When an Electric Strength Test is required, the test voltage should be given by the engineer. Ac or an equivalent 2. dc (ac x 1.414) potential may be used. Test technician should indicate the potential used under Method.
- Upon conclusion of the test, the equipment does not have to be operational. 3.
- Diagram of impact location (optional): 4.

NOTES TO ENGINEER:

- 1. When an Electric Strength Test is required, indicate test voltage but do not check potential used.
- 2. For outdoor equipment, specify the conditioning temperature. Impact locations are to be selected not only with accessibility to hazardous parts but also with ingress of dust/water/moisture taken into account. In case of doubt in determining compliance, test per PART 22, 9.1 is to be carried out after the impact test.
- 3. If test not conducted, note rationale in test report.

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Form Issued: 2013-09-03 Doc. R 19 54 Revised: 2014-04-15