

AT&T Battery Performance Test

MD8475A Signalling Tester Carrier Acceptance Tests

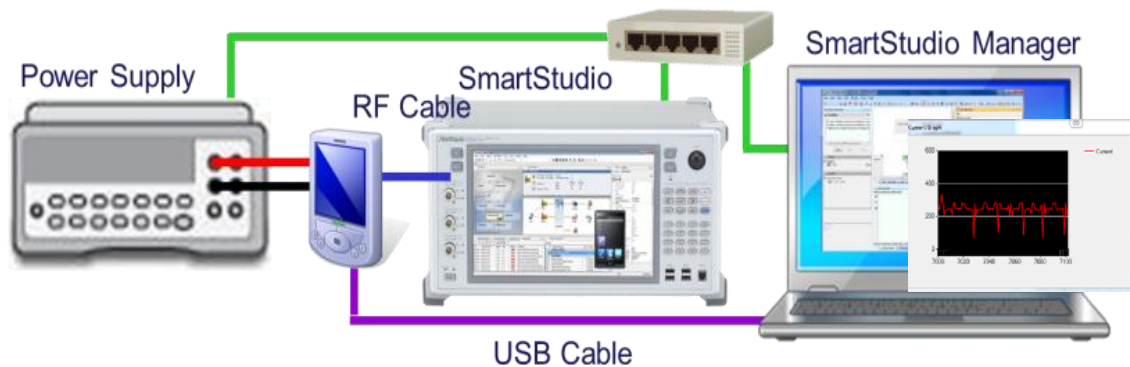
- SSM Test PKG AT&T Battery Performance (MX847503A-132)

Battery Performance is a Key Consumer Differentiator

AT&T believes battery performance is a key differentiator with consumers. As a result, the carrier has made battery performance a critical part of its minimum performance requirements testing. In its testing, AT&T measures current consumption in both idle and data transfer states and defines its own parameter settings to simulate its live network.

The MX847530A-132 SmartStudio Manager Solution

Anritsu leverages its unique SmartStudio Manager (SSM) environment to offer the AT&T Battery Performance Test Package. This test package automatically configures the MD8475A Signaling Tester's network simulator, controls the power supply data collection, and generates detailed test results that can be converted into a spreadsheet for reporting purposes.



Time (s)	Ave Curr (A)	Min Curr (A)	Max Curr (A)	Ave Volt (V)	Min Volt (V)	Max Volt (V)	Power (W)
0	0.586357	0.5371857	0.793883	3.799975	3.79467	3.805208	2.228142
0.06144	0.5849433	0.5375862	0.7971827	3.799992	3.795433	3.805208	2.22278
0.12288	0.6038113	0.540994	0.8209165	3.800004	3.794765	3.805256	2.294485
0.18432	0.6022226	0.5498314	0.787309	3.799997	3.795528	3.805256	2.288444
0.24576	0.602953	0.5487251	0.8067194	3.799998	3.79324	3.805017	2.29122
0.3072	0.5887598	0.5417315	0.7781092	3.799975	3.795338	3.804779	2.237273
0.36864	0.5905147	0.5411339	0.8227857	3.799983	3.79467	3.806019	2.243946
0.43008	0.5638755	0.4683558	0.6600507	3.799989	3.797388	3.802395	2.142721
0.49152	0.5590255	0.5003548	0.6540616	3.799971	3.797054	3.80249	2.124281
0.55296	0.5054429	0.4540825	0.598793	3.799994	3.797579	3.802204	1.92068
0.6144	0.500043	0.4557737	0.5711619	3.799981	3.79777	3.802061	1.900154
0.67584	0.5017195	0.4532051	0.5872599	3.799978	3.797674	3.802299	1.906523
0.73728	0.5007726	0.4524422	0.576814	3.799982	3.796721	3.802061	1.902927
0.79872	0.4962588	0.4515966	0.5693753	3.799996	3.79777	3.802299	1.885782
0.86016	0.4985633	0.4498291	0.6108729	3.799995	3.797054	3.802347	1.894538

Ordering Information

Model	Name	Function Outline
MX847503A	SmartStudio Manager (*1)	Software to control SmartStudio from external PC plus test sequences for evaluating DUT
MX847503A-132	SSM Test PKG AT&T Battery Performance	29 TCs included for AT&T Battery performance
MX847503A-SS132	MX847503A-132 1 year Support Service	Support contract for MX847503A-132

Note*1: Control PC is separately required.

Test Requirement Number	Test Description	Anritsu SW File
GSM-BTR-1-0008	Circuit Switched Voice Talk-Time Battery Life	GSM-BTR-1-0008-GSM850 GSM-BTR-1-0008-GSM1900
GSM-BTR-1-0010	Circuit Switched Standby Battery Life	GSM-BTR-1-0010-GSM850 GSM-BTR-1-0010-GSM1900 GSM-BTR-1-0010-GSM850-PAMFR2 GSM-BTR-1-0010-GSM1900-PAMFR2
GSM-BTR-1-2450	UMTS Circuit Switched Voice Talk-Time Battery Life	GSM-BTR-1-2450-UMTS-Band2 GSM-BTR-1-2450-UMTS-Band5
GSM-BTR-1-2452	UMTS Circuit Switched Standby Battery Life	GSM-BTR-1-2452-UMTS-Band2 GSM-BTR-1-2452-UMTS-Band5 GSM-BTR-1-2452-UMTS-Band2-Roaming GSM-BTR-1-2452-UMTS-Band5-Roaming
LTE-BTR-1-2503	LTE or UMTS Standby Battery Life with 10 applications loaded onto device	LTE-BTR-1-2503_Bandx LTE-BTR-1-2503_Bandx_Roaming
GSM-BTR-1-2458	Battery Life while playing music from MP3 file(s)	GSM-BTR-1-2458-UMTS-Band2 GSM-BTR-1-2458-UMTS-Band5 GSM-BTR-1-2458-UMTS-Band2-Roaming GSM-BTR-1-2458-UMTS-Band5-Roaming
GSM-BTR-1-2460	Circuit Switched Voice Talk-Time Battery Life with Blue Tooth (BT) headset	GSM-BTR-1-2460-UMTS-Band2 GSM-BTR-1-2460-UMTS-Band5
GSM-BTR-1-2462	Circuit Switched Voice standby-Time Battery Life with Blue Tooth (BT) headset	GSM-BTR-1-2462-UMTS-Band2 GSM-BTR-1-2462-UMTS-Band5 GSM-BTR-1-2462-UMTS-Band2-Roaming GSM-BTR-1-2462-UMTS-Band5-Roaming
GSM-BTR-1-2464	Average Customer Profile Operation time between charges for UMTS	User_Profile_Callbox_WiFi_Off_Band2 User_Profile_Callbox_WiFi_Off_Band5 User_Profile_LiveNetwork_WiFi_Off_Band2 User_Profile_LiveNetwork_WiFi_Off_Band5
GSM-BTR-1-2466	Business Customer Profile Operation time between charges for UMTS	
GSM-BTR-1-2468	Multimedia Savvy Customer Profile Operation time between charges for UMTS	
GSM-BTR-1-2470	Teenager Customer Profile Operation time between charges for UMTS	
GSM-BTR-1-2472	UMTS Circuit Switched Voice Talk-Time Battery Life WIFI enabled and scanning for Access Point	GSM-BTR-1-2472-UMTS-Band2 GSM-BTR-1-2472-UMTS-Band5
GSM-BTR-1-2474	UMTS Circuit Switched Standby Battery Life WIFI enabled and scanning for Access Point	GSM-BTR-1-2474-UMTS-Band2 GSM-BTR-1-2474-UMTS-Band5 GSM-BTR-1-2474-UMTS-Band2-Roaming GSM-BTR-1-2474-UMTS-Band5-Roaming
GSM-BTR-1-2476	Battery Life while playing music from MP3 file(s) WIFI enabled and scanning for Access Point	GSM-BTR-1-2476-UMTS-Band2 GSM-BTR-1-2476-UMTS-Band5 GSM-BTR-1-2476-UMTS-Band2-Roaming GSM-BTR-1-2476-UMTS-Band5-Roaming
GSM-BTR-1-2478	Circuit Switched Voice Talk-Time Battery Life with Blue Tooth (BT) headset WIFI enabled and scanning for Access Point	GSM-BTR-1-2478-UMTS-Band2 GSM-BTR-1-2478-UMTS-Band5

GSM-BTR-1-2480	Circuit Switched Voice standby-Time Battery Life with Blue Tooth (BT) headset WIFI enabled and scanning for Access Point	GSM-BTR-1-2480-UMTS-Band2 GSM-BTR-1-2480-UMTS-Band5 GSM-BTR-1-2480-UMTS-Band2-Roaming GSM-BTR-1-2480-UMTS-Band5-Roaming
GSM-BTR-1-2482	Average Customer Profile Operation time between charges for UMTS WIFI enabled and scanning for Access Point	User_Profile_Callbox_WiFi_On_Band2 User_Profile_Callbox_WiFi_On_Band5 User_Profile_LiveNetwork_WiFi_On_Band2 User_Profile_LiveNetwork_WiFi_On_Band5
GSM-BTR-1-2484	Business Customer Profile Operation time between charges for UMTS WIFI enabled and scanning for Access Point	
GSM-BTR-1-2486	Multimedia Savvy Customer Profile Operation time between charges for UMTS WIFI enabled and scanning for Access Point	
GSM-BTR-1-2488	Teenager Customer Profile Operation time between charges for UMTS WIFI enabled and scanning for Access Point	
LTE-BTR-1-2490	Battery Life for Near Field Communications	LTE-BTR-1-2490_Bandx LTE-BTR-1-2490-UMTS-Band2 LTE-BTR-1-2490-UMTS-Band5
LTE-BTR-1-2492	LTE Idle Mode Battery life	LTE-BTR-1-2492_Bandx
LTE-BTR-1-2494	LTE Battery Life While Downloading Using FTP	LTE-BTR-1-2494_Bandx
LTE-BTR-1-2496	LTE Battery Life While Downloading Using UDP	LTE-BTR-1-2496_Bandx
LTE-BTR-1-2498	LTE Battery Life while LTE Video Streaming	LTE-BTR-1-2498_Bandx
LTE-BTR-1-2497	LTE Battery Life While Uploading Using FTP	LTE-BTR-1-2497_Bandx
LTE-BTR-1-2499	LTE Battery Life While Uploading Using UDP	LTE-BTR-1-2499_Bandx
LTE-BTR-1-2501	Voice over LTE Talk Time Battery Life	LTE-BTR-1-2501_Bandx

