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MT710 Battery Lift Test on MODE 1

Interval (seconds)	Average Current (mA/h)	Battery Life		Note
		Hours	Days	
10	79.41	8.56	0.36	
60	54.73	12.42	0.52	
300	52.67	12.91	0.54	
600	51.59	13.18	0.55	

Test Environment:
1.Test in Mode 1.
2.Use a rechargeable 3.7V 650mAh lithium-ion battery
3.Use a China Mobile NB-IoT SIM Card that supports eDRX.
4.Disable eDRX during the test.
5.Real test in Mictrack office (not in the Lab).
6.Firmware version: V1.0.1

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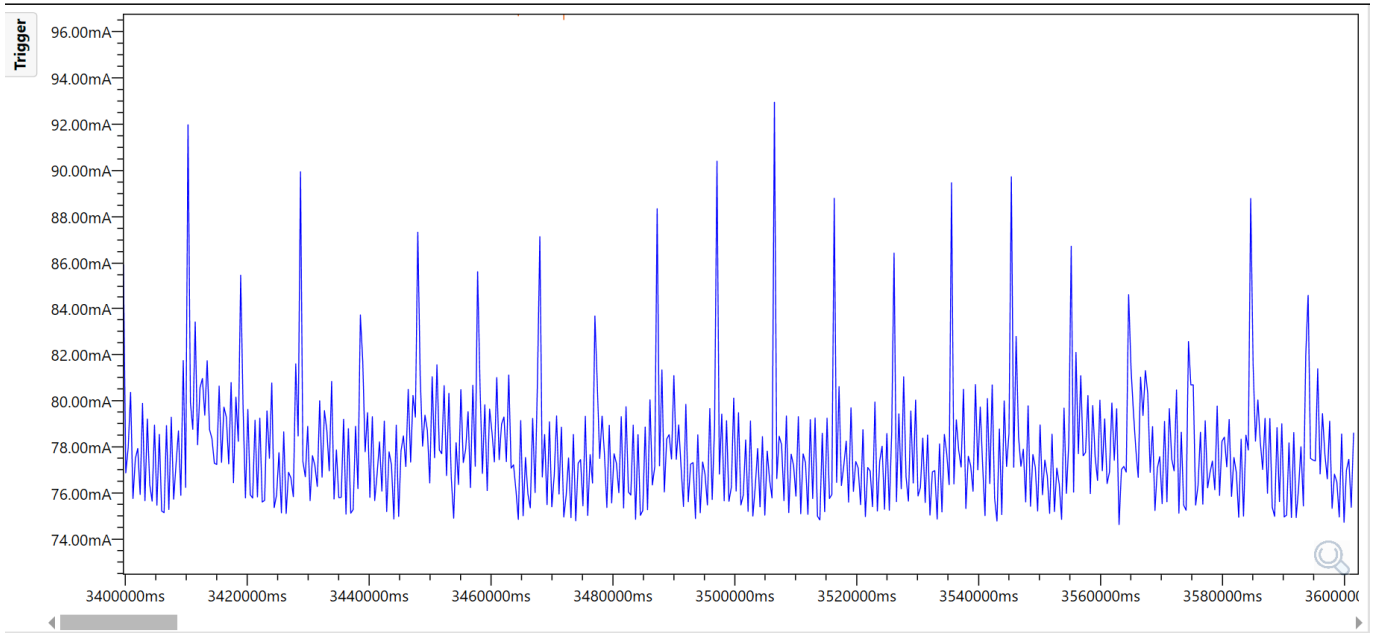
MODE 1 with 10 seconds interal



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
75.02mA	Avg: **79.41mA** Min: 734.10uA Max: 661.90mA Time: 1:00:02.149 Consumption: 79.45756mAh	Avg: **77.96mA** Min: 37.06mA Max: 273.24mA Time: 0:03:22.464 Consumption: 4.38423mAh	Avg: **77.70mA** Min: 41.16mA Max: 260.79mA Time: 0:00:20.000 Consumption: 431.65076uAh	Avg: **0.00uA** Min: 0.00uA Max: 0.00uA Time: 0 Consumption: 0	**3.82V**

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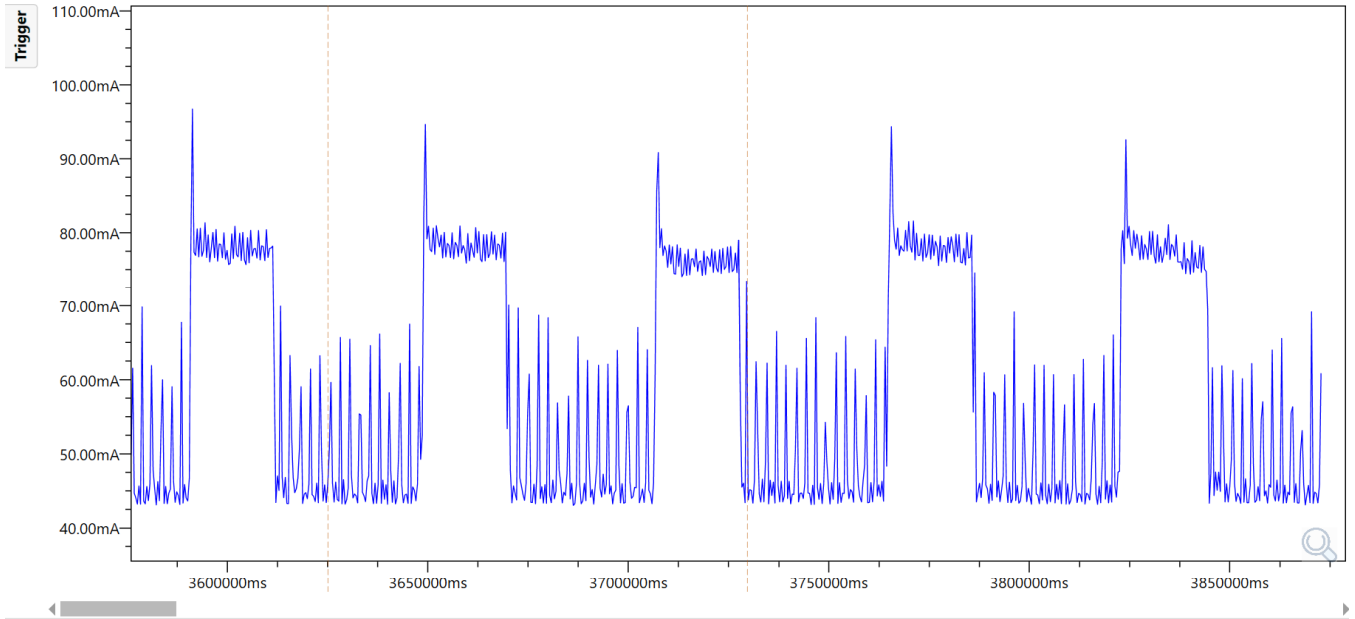
MODE 1 with 60 seconds interal



REAL TIME		ALL		WINDOW		RECENT		CURSOR		VOLTAGE
47.76mA		Avg: **54.73mA**		Avg: **58.76mA**		Avg: **47.82mA**		Avg: **60.03mA**		**3.82V**
Avg:	45.95mA	Min:	323.57uA	Min:	29.69mA	Min:	30.08mA	Min:	29.69mA	
Min:	30.84mA	Max:	459.79mA	Max:	297.48mA	Max:	155.81mA	Max:	297.48mA	
Max:	104.87mA	Time:	1:04:33.558	Time:	0:04:57.586	Time:	0:00:20.000	Time:	0:01:44.516.569	
		Consumption:	58.88855mAh	Consumption:	4.85710mAh	Consumption:	265.64280uAh	Consumption:	1.74284mAh	

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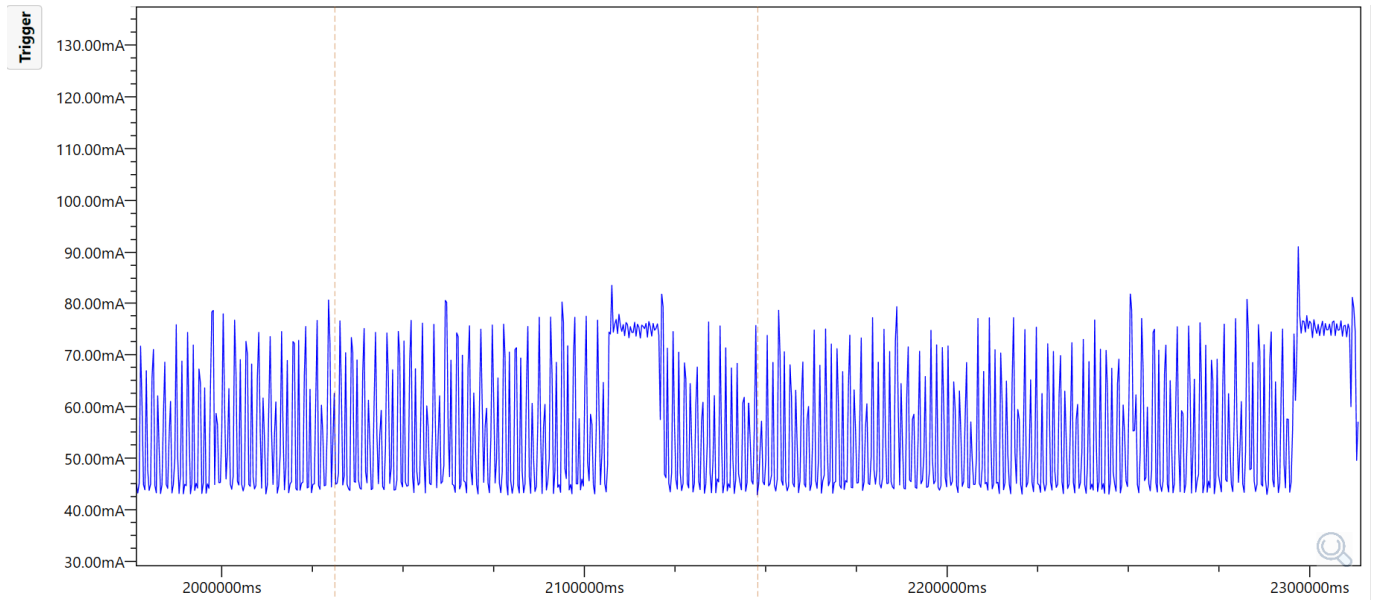
MODE 1 with 300 seconds interal



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
44.14mA	Avg: **52.67mA**	Avg: **55.89mA**	Avg: **72.00mA**	Avg: **56.91mA**	**3.9V**
Avg: 62.54mA	Min: 325.35uA	Min: 29.37mA	Min: 29.85mA	Min: 29.43mA	
Min: 30.96mA	Max: 506.31mA	Max: 230.66mA	Max: 230.66mA	Max: 215.59mA	
Max: 103.72mA	Time: 0:38:33.831	Time: 0:05:37.388	Time: 0:00:20.000	Time: 0:01:56.485.029	
	Consumption: 33.85206mAh	Consumption: 5.23758mAh	Consumption: 399.97605uAh	Consumption: 1.84128mAh	

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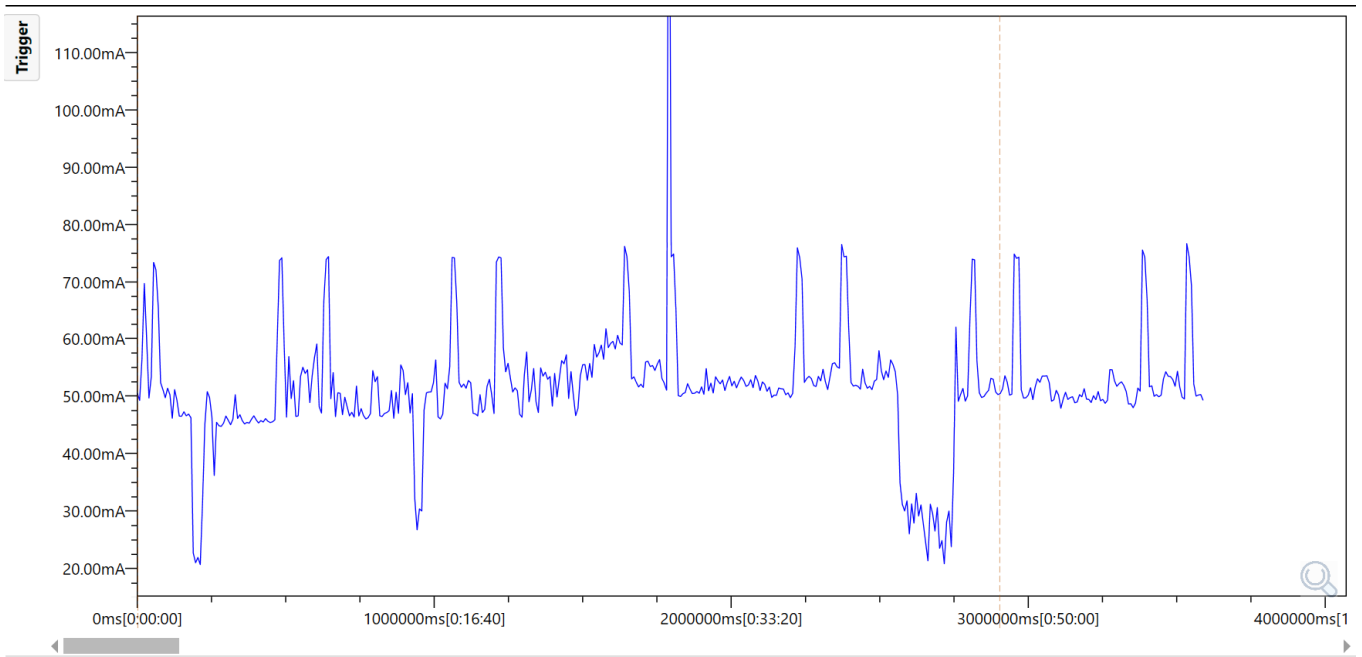
MODE 1 with 600 seconds interal



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
55.62mA	Avg: **51.59mA**	Avg: **51.59mA**	Avg: **50.47mA**	Avg: **51.24mA**	**3.94V**
Avg: 20.21mA	Min: 275.44uA	Min: 275.44uA	Min: 29.37mA	Min: 275.44uA	
Min: 13.93mA	Max: 506.80mA	Max: 506.80mA	Max: 151.14mA	Max: 506.80mA	
Max: 31.12mA	Time: 1:00:01.556	Time: 1:00:01.556	Time: 0:00:20.000	Time: 0:48:10.176.678	
	Consumption: 51.61536mAh	Consumption: 51.61537mAh	Consumption: 280.38892uAh	Consumption: 41.13301mAh	

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MT710 Battery Lift Test on MODE 2

Interval (minutes)	GPS	TCP	Average Current (mA/h)	Battery Life		Note
				Hours	Days	
10	ON	ON				
	ON	OFF				
	OFF	ON				
	OFF	OFF	8.82	73.70	3.07	
30	ON	ON				
	ON	OFF				
	OFF	ON				
	OFF	OFF	5.33	121.95	5.08	
60	ON	ON				
	ON	OFF				
	OFF	ON				
	OFF	OFF	4.47	145.41	6.06	

Test Environment:
1.Test in Mode 2.
2.Use a rechargeable 3.7V 650mAh lithium-ion battery
3.Use a China Mobile NB-IoT SIM Card that supports eDRX.
4.Disable eDRX during the test.
5.Real test in Mictrack office (not in the Lab).
6.Firmware version: V1.0.1

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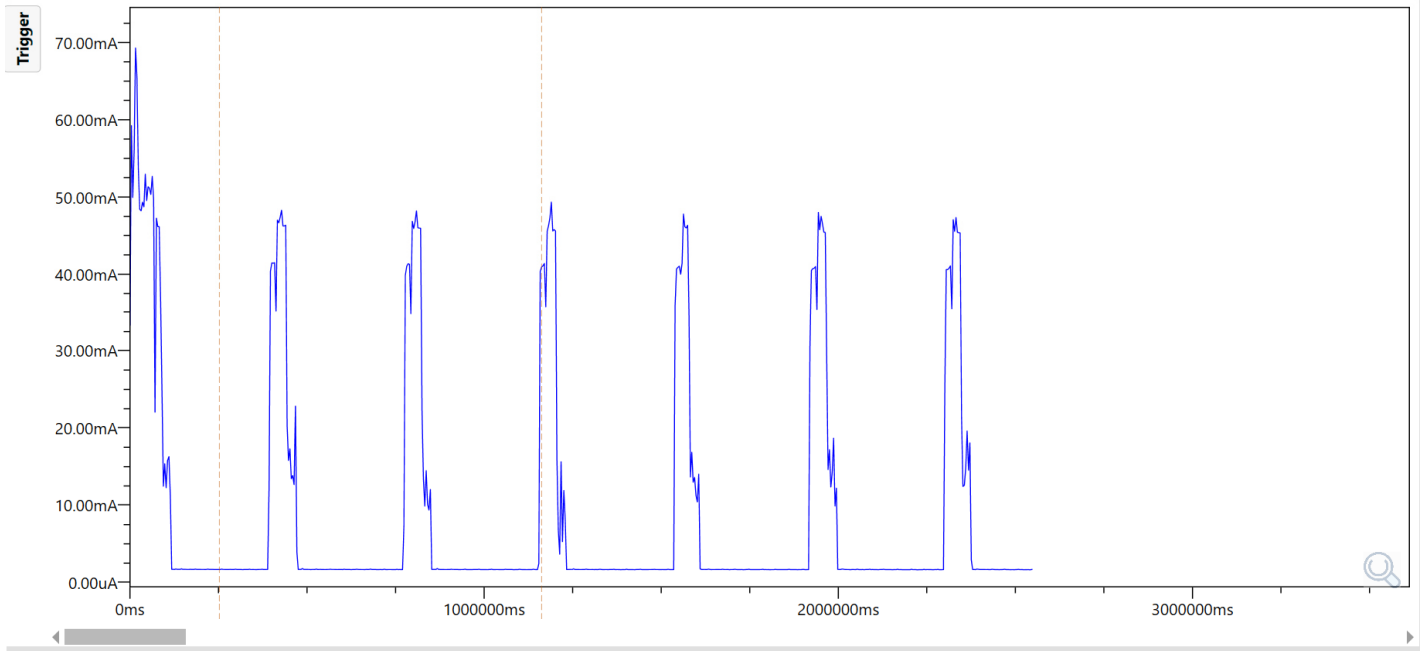
MODE 2 with 10 minutes interal



REAL TIME		ALL		WINDOW		RECENT		CURSOR		VOLTAGE
		Avg:		Avg:		Avg:		Avg:		
1.58mA		**8.82mA**		**8.82mA**		**1.61mA**		**6.85mA**		**3.99V**
Avg:	1.63mA	Min:	273.92uA	Min:	273.92uA	Min:	524.87uA	Min:	303.85uA	
Min:	567.89uA	Max:	275.21mA	Max:	275.21mA	Max:	37.55mA	Max:	220.83mA	
Max:	5.87mA	Time:	0:42:35.469	Time:	0:42:35.469	Time:	0:00:20.000	Time:	0:15:13.961.157	
		Consumption:	6.26331mAh	Consumption:	6.26331mAh	Consumption:	8.96817uAh	Consumption:	1.73933mAh	

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MODE 2 with 30 minutes interal

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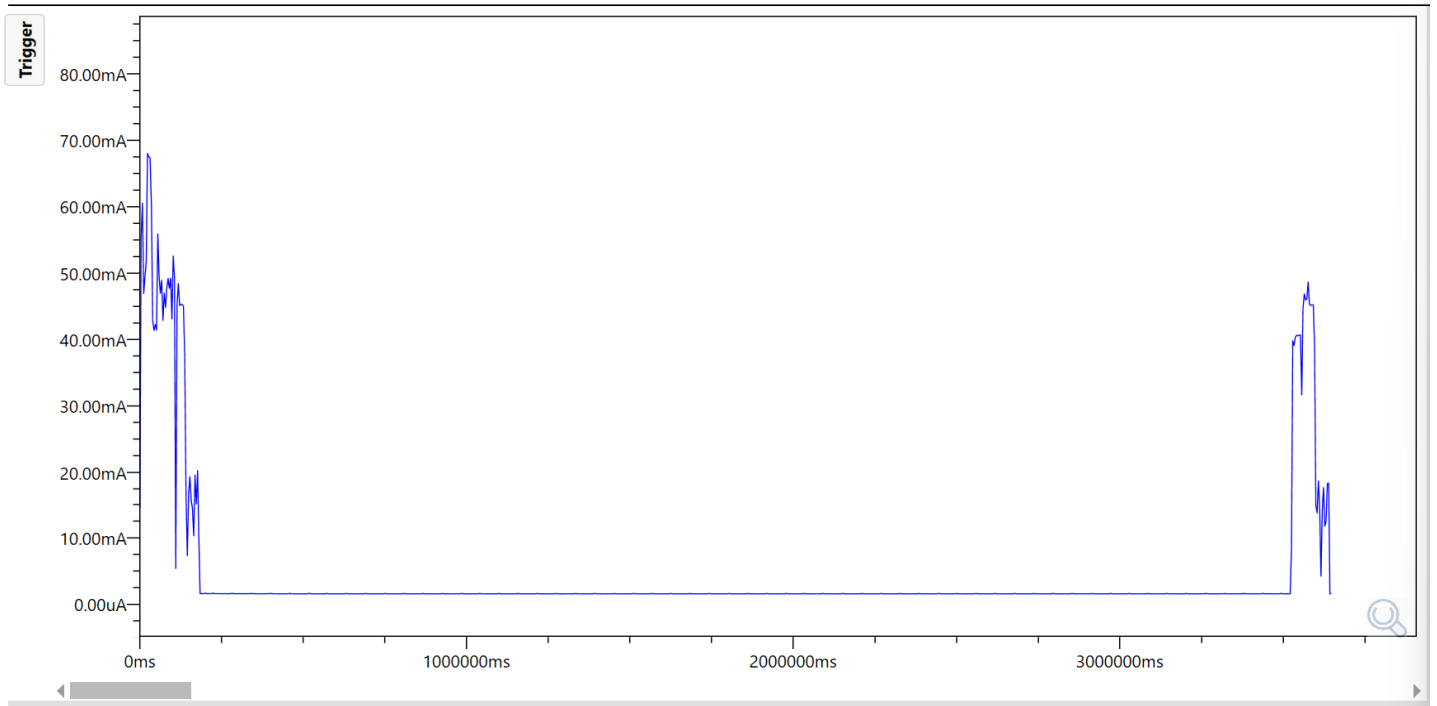
MODE 2 with 60 minutes interal



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
	Avg:	Avg:	Avg:	Avg:	
1.60mA	**4.47mA**	**4.47mA**	**8.19mA**	**0.00uA**	**3.99V**
	Min: 256.89uA	Min: 256.89uA	Min: 444.70uA	Min: 0.00uA	
	Max: 200.52mA	Max: 200.52mA	Max: 178.74mA	Max: 0.00uA	
	Time: 1:00:54.764	Time: 1:00:54.764	Time: 0:00:20.000	Time: 0	
	Consumption: 4.53846mAh	Consumption: 4.53846mAh	Consumption: 45.48259uAh	Consumption: 0	

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MT710 Battery Lift Test on MODE 3

Interval (hours)	Average Current (mA/h)	Battery Life		Note
		Hours	Days	
1	1.46	445.21	18.55	
2	1.15	1130.43	47.10	
3	0.51858	3760.27	156.68	
4	0.37957	6849.86	285.41	
6	0.40416	6433.10	268.05	
8	0.42243	6154.87	256.45	
12	0.19736	39521.69	1646.74	
24	0.09899	157591.68	6566.32	

Test Environment:
1.Test in Mode 3.
2.Use a rechargeable 3.7V 650mAh lithium-ion battery
3.Use a China Mobile NB-IoT SIM Card that supports eDRX.
4.Disable eDRX during the test.
5.Real test in Mictrack office (not in the Lab).
6.Firmware version: V1.0.1

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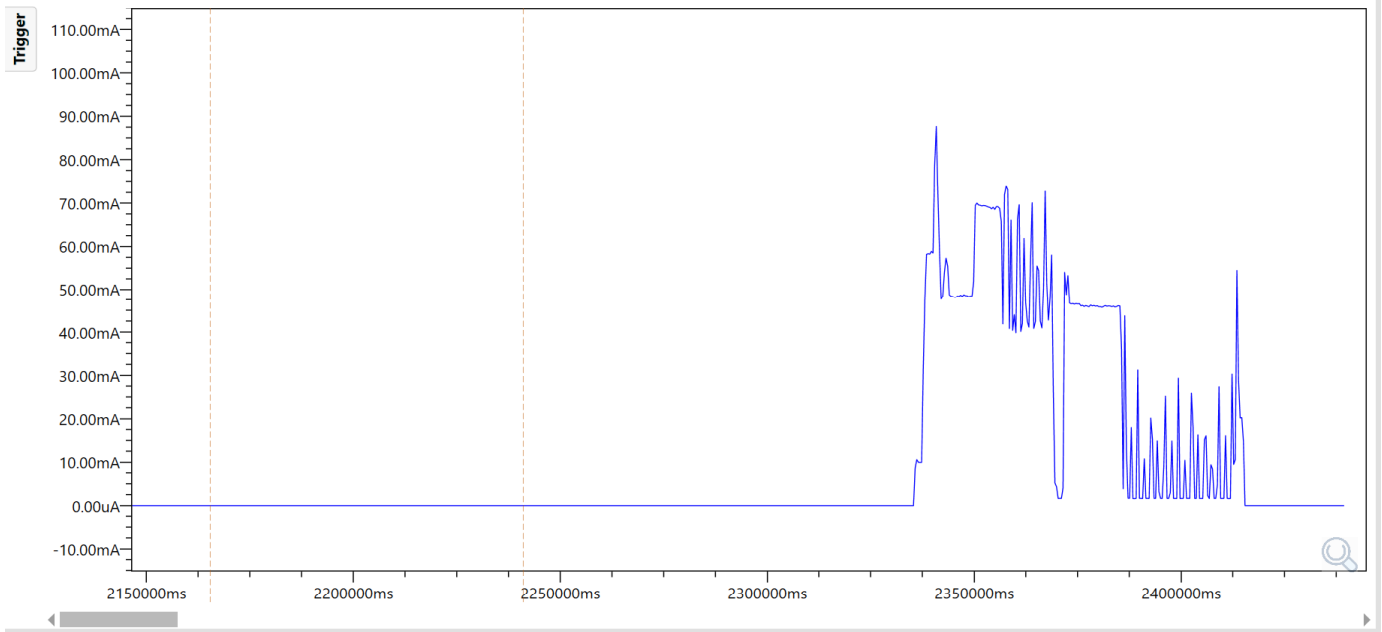
MODE 3 with 1 hour interval



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
2.21uA	Avg: **1.46mA**	Avg: **9.31mA**	Avg: **2.23uA**	Avg: **2.23uA**	**3.96V**
Avg: 2.21uA	Min: -3.65uA	Min: -3.65uA	Min: -3.17uA	Min: -3.23uA	
Min: -3.01uA	Max: 208.71mA	Max: 201.50mA	Max: 23.47uA	Max: 25.12uA	
Max: 18.37uA	Time: 0:40:40.045	Time: 0:04:53.598	Time: 0:00:20.000	Time: 0:01:15.453.421	
	Consumption: 988.73353uAh	Consumption: 759.03673uAh	Consumption: 0.01238uAh	Consumption: 0.04667uAh	

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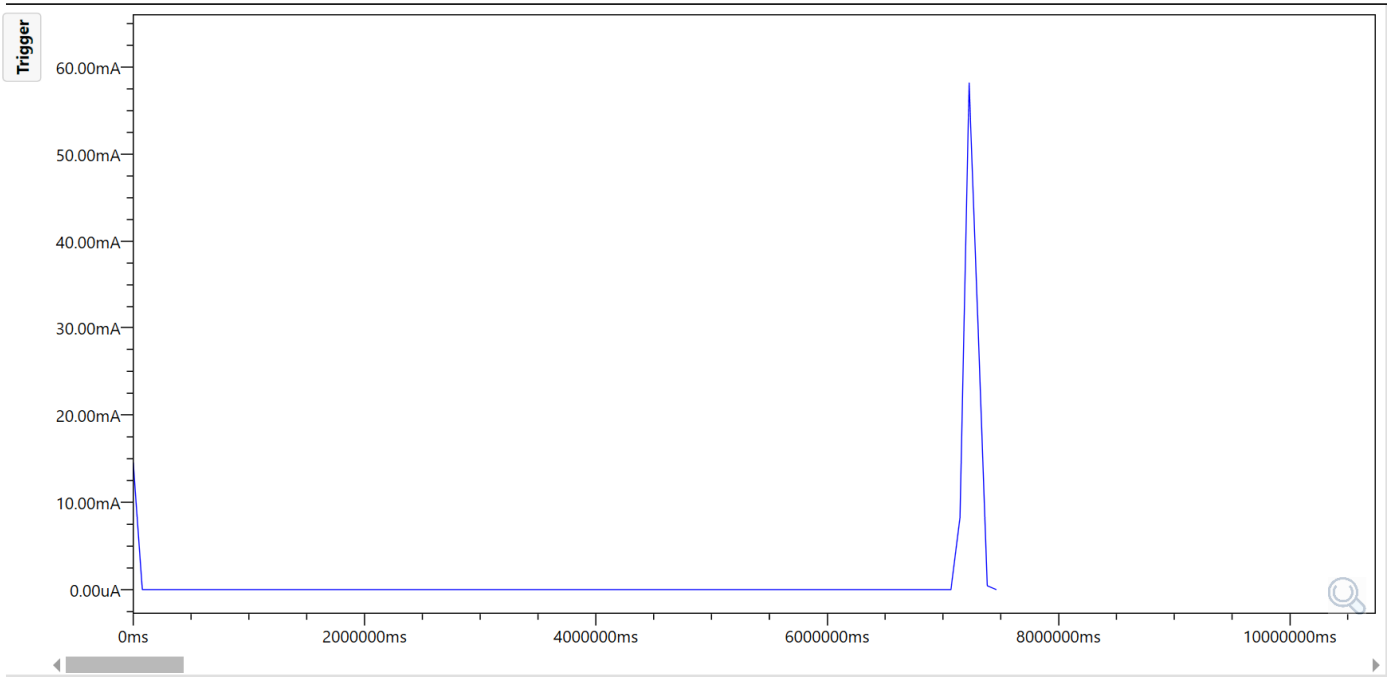
MODE 3 with 2 hours interval



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
2.34uA	Avg: **1.15mA** Min: -0.75uA Max: 198.04mA Time: 2:06:13.992 Consumption: 2.42795mAh	Avg: **1.15mA** Min: -0.75uA Max: 198.04mA Time: 2:06:13.992 Consumption: 2.42795mAh	Avg: **2.19uA** Min: -0.45uA Max: 5.06uA Time: 0:00:20.000 Consumption: 0.01216uAh	Avg: **0.00uA** Min: 0.00uA Max: 0.00uA Time: 2:04:57.624.535 Consumption: 0.00000uAh	**3.92V**

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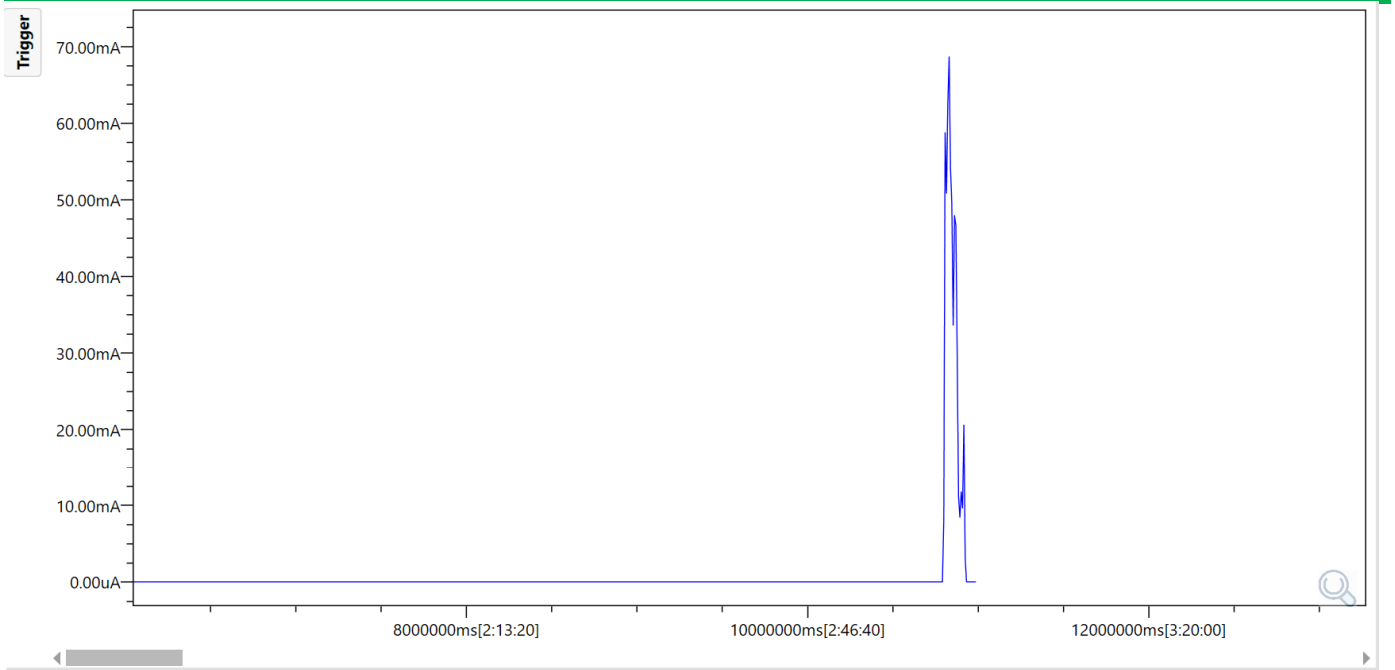
MODE 3 with 3 hours interval



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
2.61uA	Avg: **518.58uA**	Avg: **915.12uA**	Avg: **2.31uA**	Avg: **0.00uA**	**4.04V**
	Min: 1.09uA	Min: 1.09uA	Min: 1.27uA	Min: 0.00uA	
	Max: 97.52mA	Max: 97.52mA	Max: 2.97uA	Max: 0.00uA	
	Time: 3:03:17.251	Time: 1:22:30.922	Time: 0:00:20.000	Time: 0	
	Consumption: 1.58416mAh	Consumption: 1.25852mAh	Consumption: 0.01284uAh	Consumption: 0	

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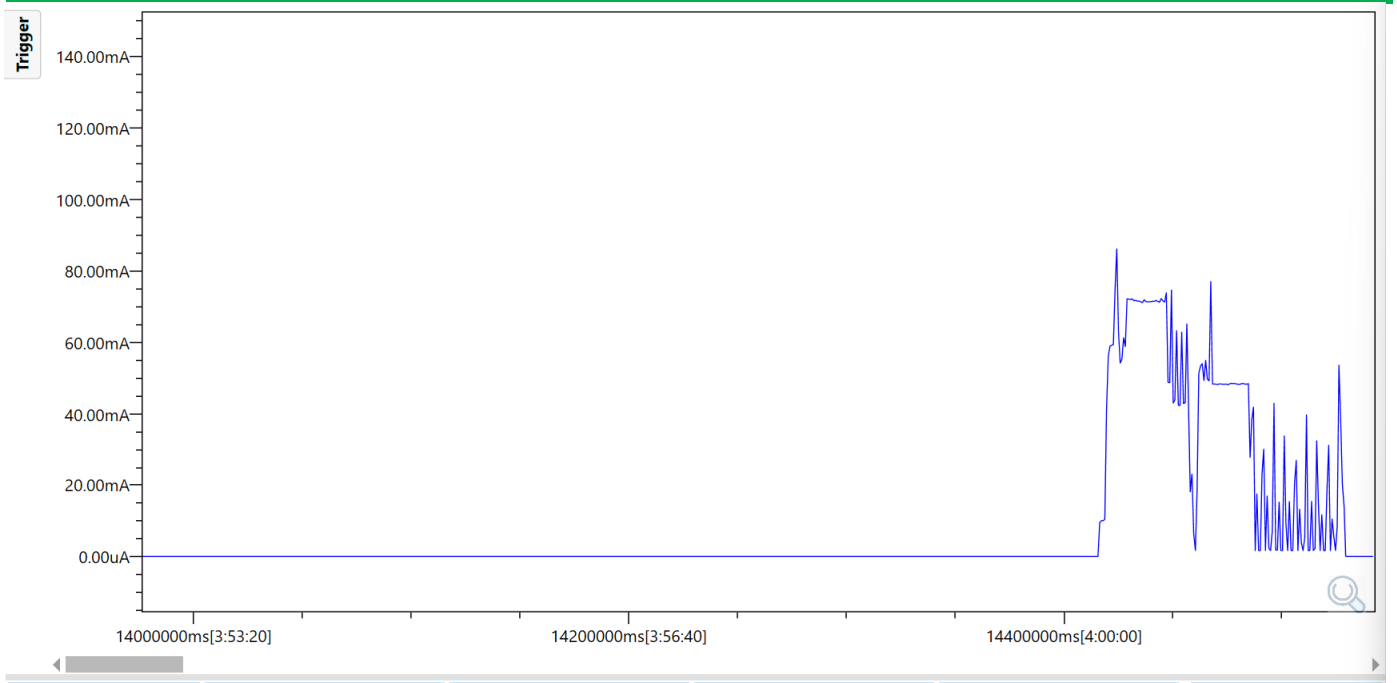
MODE 3 with 4 hours interval



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
2.29uA	Avg: **379.57uA** Min: 0.99uA Max: 241.94mA Time: 4:02:23.148 Consumption: 1.53337mAh	Avg: **7.59mA** Min: 1.21uA Max: 241.94mA Time: 0:09:26.313 Consumption: 1.19447mAh	Avg: **6.01mA** Min: 1.30uA Max: 73.77mA Time: 0:00:20.000 Consumption: 33.36783uAh	Avg: **0.00uA** Min: 0.00uA Max: 0.00uA Time: 0 Consumption: 0	**3.99V**

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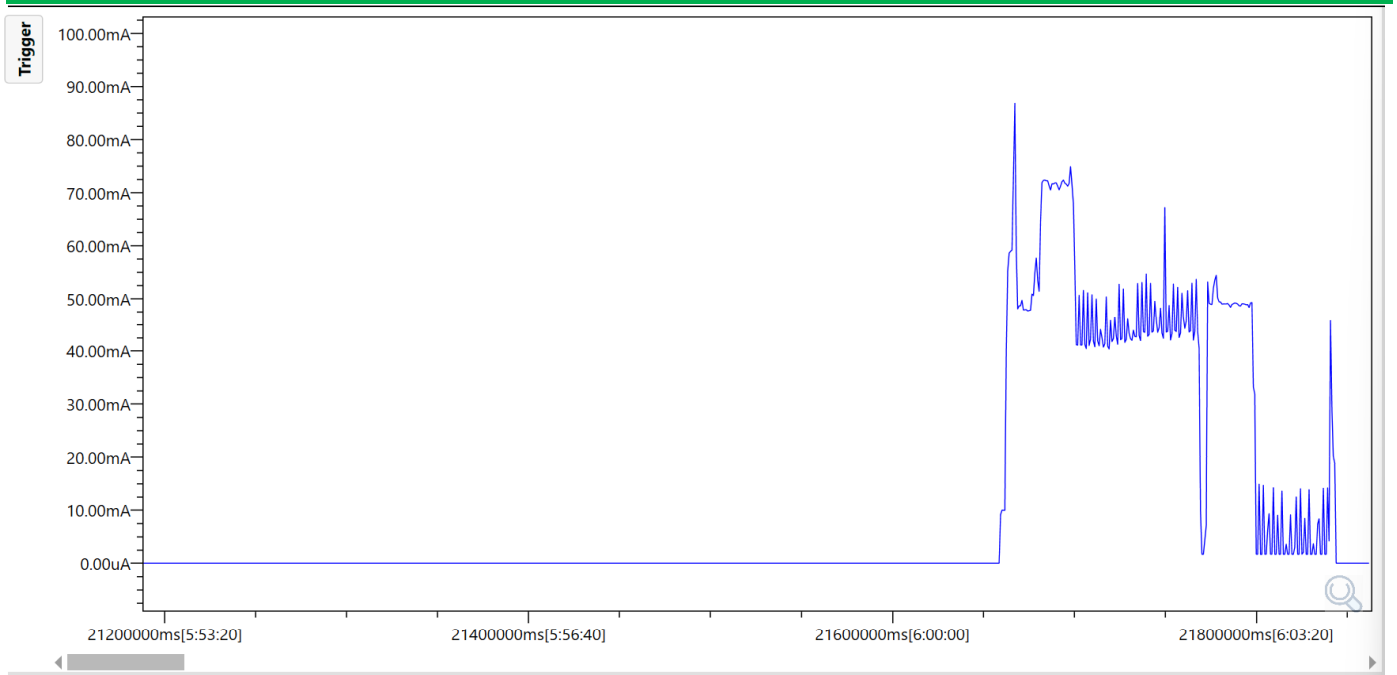
MODE 3 with 6 hours interval



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
	Avg:	Avg:	Avg:	Avg:	
2.12uA	**404.16uA**	**10.56mA**	**823.39uA**	**0.00uA**	**3.99V**
	Min: 0.92uA	Min: 0.98uA	Min: 1.09uA	Min: 0.00uA	
	Max: 102.39mA	Max: 99.96mA	Max: 20.53mA	Max: 0.00uA	
	Time: 6:04:22.819	Time: 0:11:14.754	Time: 0:00:20.000	Time: 0	
	Consumption: 2.45449mAh	Consumption: 1.97927mAh	Consumption: 4.57441uAh	Consumption: 0	

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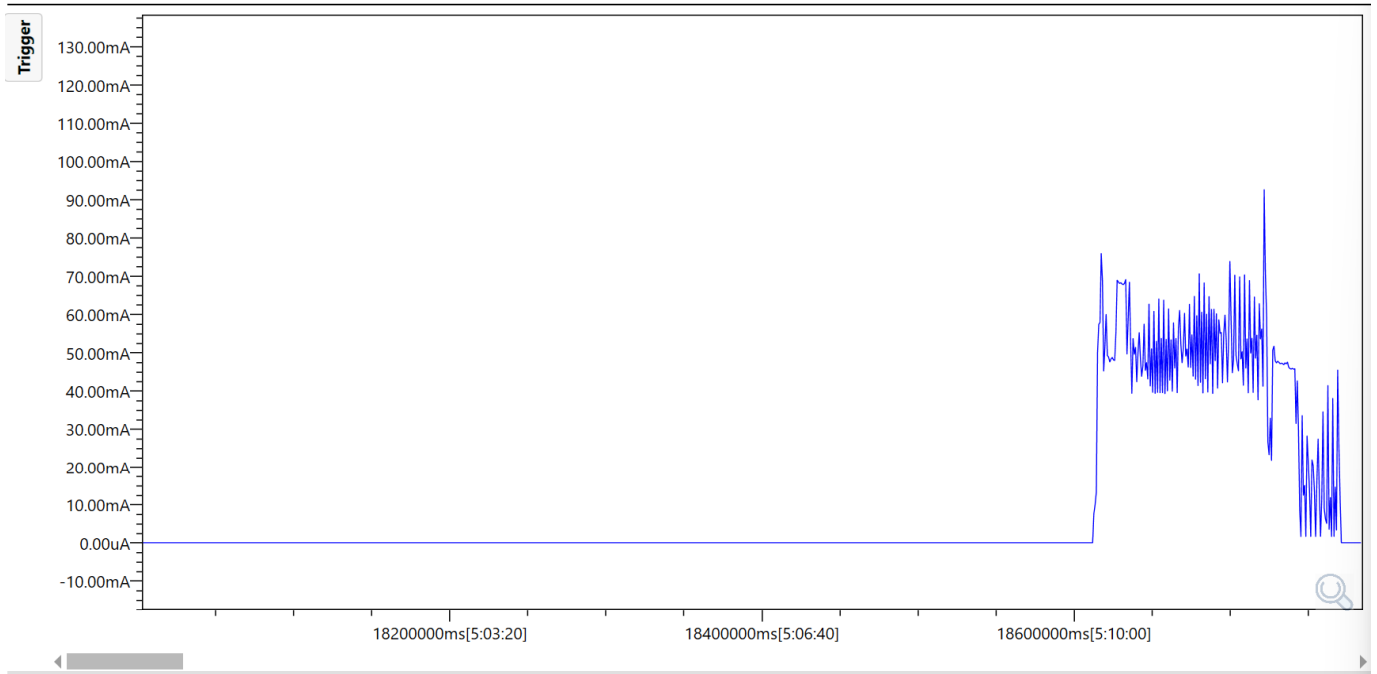
MODE 3 with 8 hours interval



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
2.29uA	Avg: **422.43uA** Min: 1.52uA Max: 130.79mA Time: 5:13:04.609 Consumption: 2.20421mAh	Avg: **9.11mA** Min: 1.85uA Max: 130.79mA Time: 0:13:01.468 Consumption: 1.97798mAh	Avg: **5.57mA** Min: 1.85uA Max: 62.07mA Time: 0:00:20.000 Consumption: 30.94536uAh	Avg: **0.00uA** Min: 0.00uA Max: 0.00uA Time: 0 Consumption: 0	**4.01V**

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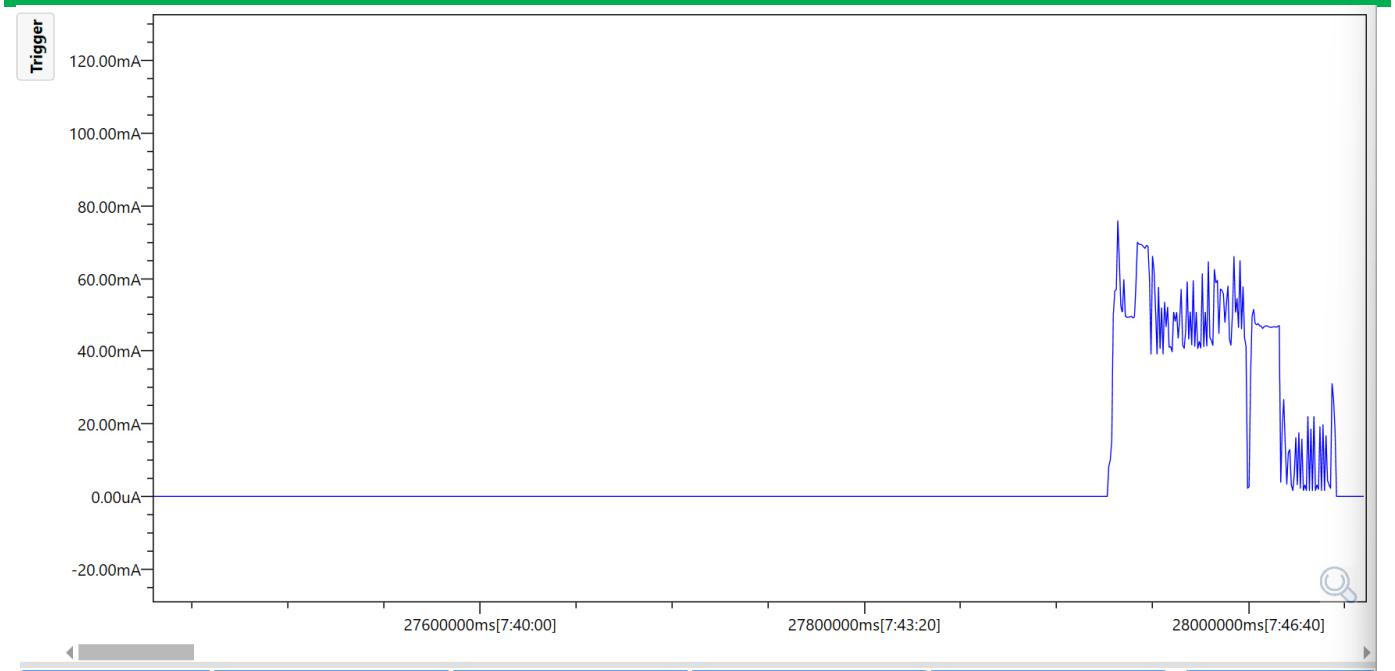
MODE 3 with 12 hours interval



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
	Avg:	Avg:	Avg:	Avg:	
2.29uA	**197.36uA**	**7.47mA**	**3.26mA**	**0.00uA**	**4.04V**
	Min: 1.70uA	Min: 1.70uA	Min: 1.70uA	Min: 0.00uA	
	Max: 97.59mA	Max: 95.52mA	Max: 59.45mA	Max: 0.00uA	
	Time: 7:47:40.855	Time: 0:10:30.938	Time: 0:00:20.000	Time: 0	
	Consumption: 1.53833mAh	Consumption: 1.30894mAh	Consumption: 18.11113uAh	Consumption: 0	

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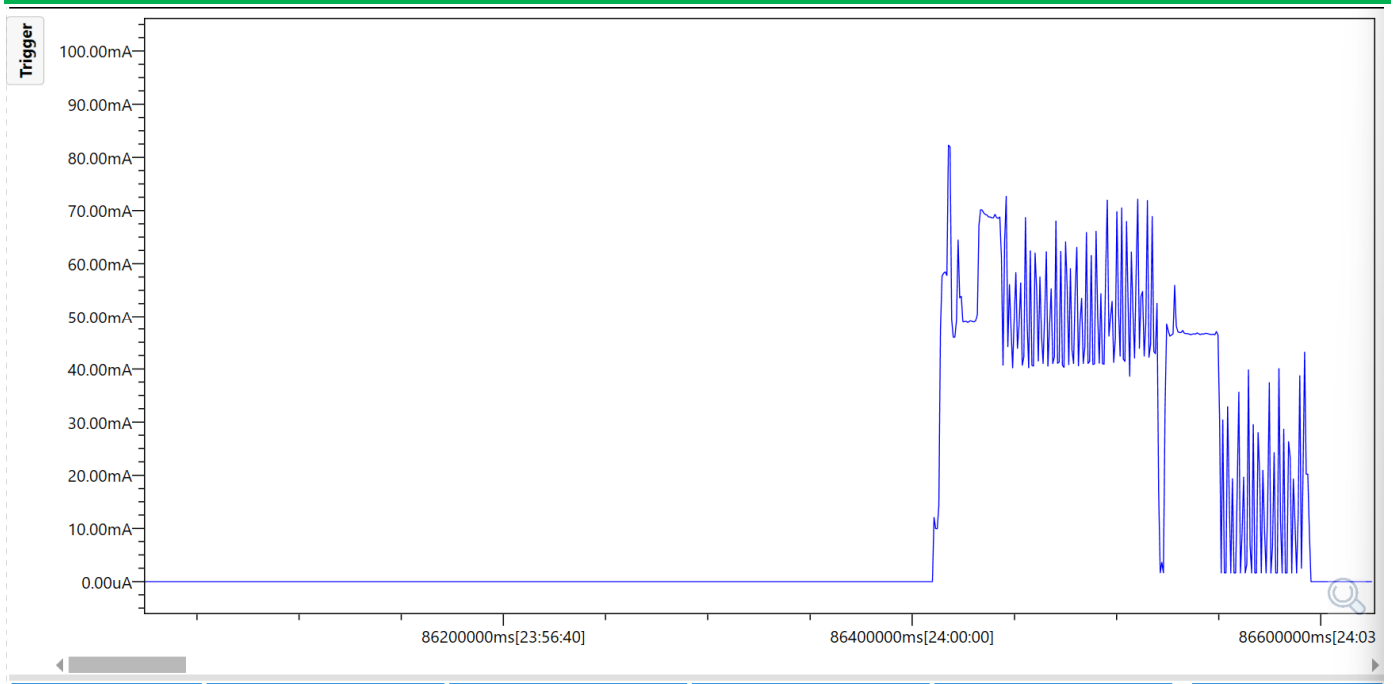
MODE 3 with 24 hours interval



REAL TIME	ALL	WINDOW	RECENT	CURSOR	VOLTAGE
2.19uA	Avg: 98.99uA	Avg: 12.67mA	Avg: 2.30uA	Avg: 0.00uA	4.04V
	Min: 0.94uA	Min: 1.06uA	Min: 1.39uA	Min: 0.00uA	
	Max: 117.30mA	Max: 117.30mA	Max: 2.88uA	Max: 0.00uA	
	Time: 24:03:46.226	Time: 0:10:01.884	Time: 0:00:20.000	Time: 0	
	Consumption: 2.38197mAh	Consumption: 2.11791mAh	Consumption: 0.01277uAh	Consumption: 0	

Any questions please do not hesitate to contact us:
Add: 706, United Building, Donghuan 1st Road, Longhua District, Shenzhen, China 518109
Web: www.mictrack.com Email: info@mictrack.com Tel: +86-755-28198746

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