

IP6535 车充DEMO整机性能测试报告

NO	测试项目	测试条件	参数标准	补充条件	#1	#2	#3	备注
1	输入过压保护（过压关输出）	增大VIN电压		空载	高于33.3V保护，下降33.2V恢复	高于33.4V保护，下降33.4V恢复	高于33.2V保护，下降33.2V恢复	单位：V
2	输入低电保护（低电关输出）	减小VIN电压		空载	低于5.1V保护，上升到5.2V恢复	低于5.2V保护，上升到5.3V恢复	低于5.1V保护，上升到5.3V恢复	单位：V
3	频繁上下电	VIN=30V和VIN=0V, 交替20次	IC正常		IC正常	IC正常	IC正常	
4	恒流输出电压值（DC电源模拟VIN）	VIN=10.8V	VOUT=5V	空载	4.97V	4.98V	4.96V	单位：V
				IOUT=0.1A	4.96V	4.97V	4.94V	
				IOUT=3A	5.15V	5.21V	5.14V	
			VOUT=9V	空载	9.02V	9.03V	9.11V	
				IOUT=0.1A	9.00V	9.01V	9.10V	
				IOUT=3A	9.22V	9.24V	9.30V	
		VIN=12V	VOUT=5V	空载	4.97V	4.98V	4.96V	
				IOUT=0.1A	4.96V	4.97V	4.95V	
				IOUT=3A	5.17V	5.20V	5.12V	
			VOUT=9V	空载	9.02V	9.03V	9.11V	
				IOUT=0.1A	9.01V	9.02V	9.10V	
				IOUT=3A	9.21V	9.25V	9.31V	
			VOUT=12V	空载	11.78V	11.77V	11.78V	
				IOUT=0.1A	11.58V	11.60V	11.59V	
				IOUT=3A	11.16V	11.19V	11.24V	
		VIN=24V	VOUT=5V	空载	4.99V	4.99V	4.97V	
				IOUT=0.1A	4.97V	4.98V	4.96V	
				IOUT=3A	5.18V	5.19V	5.16V	
			VOUT=9V	空载	9.02V	9.04V	9.12V	
				IOUT=0.1A	9.01V	9.03V	9.11V	
				IOUT=3A	9.24V	9.26V	9.32V	
			VOUT=12V	空载	12.06V	12.08V	12.14V	
				IOUT=0.1A	12.05V	12.07V	12.13V	
				IOUT=3A	12.26V	12.29V	12.35V	

		VIN=30V	VOUT=5V	空载	4.99V	4.99V	4.97V	
				IOUT=0.1A	4.98V	4.99V	4.96V	
				IOUT=3A	5.18V	5.20V	5.17V	
			VOUT=9V	空载	9.03V	9.05V	9.12V	
				IOUT=0.1A	9.02V	9.04V	9.11V	
				IOUT=3A	9.23V	9.27V	9.33V	
			VOUT=12V	空载	12.06V	12.08V	12.14V	
				IOUT=0.1A	12.05V	12.07V	12.13V	
				IOUT=3A	12.28V	12.31V	12.37V	
5	恒压输出电流值	VIN=10.8V		VOUT=5V (CV=4.7V)	3.75A	3.54A	3.68A	单位：A
				VOUT=9V (CV=8.6V)	3.49A	3.40A	3.43A	
		VIN=12V		VOUT=5V (CV=4.7V)	3.67A	3.55A	3.48A	
				VOUT=9V (CV=8.6V)	3.52A	3.38A	3.33A	
				VOUT=12V (CV=11.0V)	3.46A	3.29A	3.22A	
		VIN=24V		VOUT=5V (CV=4.7V)	3.63A	3.50A	3.45A	
				VOUT=9V (CV=8.6V)	3.49A	3.39A	3.34A	
				VOUT=12V (CV=11.0V)	3.39A	3.31A	3.26A	
		VIN=30V		VOUT=5V (CV=4.7V)	3.49A	3.36A	3.34A	
				VOUT=9V (CV=8.6V)	3.36A	3.28A	3.24A	
				VOUT=12V (CV=11.0V)	3.28A	3.22A	3.18A	
6	过流关断保护点	VIN=10.8V		VOUT=5V	3.59A	3.48A	3.46A	单位：A
				VOUT=9V	3.57A	3.49A	3.47A	
		VIN=12V		VOUT=5V	3.64A	3.55A	3.48A	
				VOUT=9V	3.62A	3.56A	3.46A	
				VOUT=12V	3.66A	3.42V	3.47A	
		VIN=24V		VOUT=5V	3.62A	3.43A	3.45A	
				VOUT=9V	3.60A	3.38A	3.41A	
				VOUT=12V	3.53A	3.27A	3.40A	
		VIN=30V		VOUT=5V	3.56A	3.43A	3.38A	
				VOUT=9V	3.50A	3.32A	3.33A	
				VOUT=12V	3.46A	3.28A	3.31A	

7	输出过流	VIN=12V	恢复后IC正常工作	VOUT=5V	恢复正常	恢复正常	恢复正常	
		VOUT=9V		恢复正常	恢复正常	恢复正常		
		VOUT=12V		恢复正常	恢复正常	恢复正常		
		VOUT=5V		恢复正常	恢复正常	恢复正常		
		VOUT=9V		恢复正常	恢复正常	恢复正常		
		VOUT=12V		恢复正常	恢复正常	恢复正常		
8	空载功耗	空载， 电源端电流	小于5mA (无LED电路)	VIN=10. 8V	1. 8mA	2. 1mA	2mA	单位： mA
				VIN=12V	1. 7mA	1. 9mA	1. 8mA	
				VIN=24V	1. 0mA	1. 1mA	1. 1mA	
				VIN=30V	0. 8mA	0. 9mA	0. 9mA	
9	低电保护功耗	VIN=4. 5V， 电源端电流	小于0. 3mA	无LED电路	0. 08mA	0. 08mA	0. 09mA	单位： mA
10	输出短路保护功能	VIN=10. 8V， 负载短路， 持续30以上	恢复后IC正常工作	VOUT=5V	恢复正常	恢复正常	恢复正常	单位： mA
				VOUT=9V	恢复正常	恢复正常	恢复正常	
				VOUT=12V	/	/	/	
		VIN=12V， 负载短路， 持续30以上		VOUT=5V	恢复正常	恢复正常	恢复正常	
				VOUT=9V	恢复正常	恢复正常	恢复正常	
				VOUT=12V	恢复正常	恢复正常	恢复正常	
		VIN=24V， 负载短路， 持续30以上		VOUT=5V	恢复正常	恢复正常	恢复正常	
				VOUT=9V	恢复正常	恢复正常	恢复正常	
				VOUT=12V	恢复正常	恢复正常	恢复正常	
		VIN=30V， 负载短路， 持续30以上		VOUT=5V	恢复正常	恢复正常	恢复正常	
				VOUT=9V	恢复正常	恢复正常	恢复正常	
				VOUT=12V	恢复正常	恢复正常	恢复正常	
12	倒灌电流	输入悬空	记录倒灌的稳定电流值	输出加压4. 5V	1. 6mA	1. 7mA	1. 7mA	单位： mA

13	输出欠压	VIN=12V	记录欠压阈值（CV测试：将电压向下调，记录输出关断前，电容两端的电压值）	VOUT=5V	4.02V	4.08V	3.95V	单位：V
				VOUT=9V	4.02V	4.00V	3.94V	
				VOUT=12V	4.02V	4.03V	3.95V	
		VIN=24V		VOUT=5V	4.02V	4.08V	3.94V	
				VOUT=9V	4.01V	4.03V	3.94V	
				VOUT=12V	4.01V	4.01V	3.94V	

		20Hz-20MHz，VIN=10.8V，	VOUT=5V	100%(IOUT=3.0A)	78.7mV (10.802V, 1.515A, 5.159V, 2.998A, 94.53%)	68.5mV (10.807V, 1.518A, 5.178V, 2.998A, 94.63%)	80.9mV (10.811V, 1.505A, 5.132V, 2.998A, 94.58%)	
				75%(IOUT=2.25A)	65mV (10.813V, 1.127A, 5.141V, 2.248A, 94.83%)	62.3mV (10.801V, 1.13A, 5.158V, 2.248A, 94.96%)	76.9mV (10.805V, 1.121A, 5.115V, 2.248A, 94.94%)	
				50%(IOUT=1.5A)	60.3mV (10.812V, 0.749A, 5.125V, 1.498A, 94.72%)	63mV (10.813V, 0.752A, 5.143V, 1.498A, 94.73%)	74.8mV (10.814V, 0.747A, 5.102V, 1.498A, 94.57%)	
				25%(IOUT=0.75A)	58.9mV (10.806V, 0.383A, 5.11V, 0.748A, 92.42%)	56.8mV (10.808V, 0.384A, 5.128V, 0.748A, 92.29%)	73.4mV (10.809V, 0.382A, 5.091V, 0.748A, 92.3%)	

测试VOUT纹波

VOUT=9V	100% (IOUT=3.0A)	48.7mV (10.802V, 2.639A, 9.197V, 2.998A, 96.71%)	60.9mV (10.81V, 2.645A, 9.223V, 2.998A, 96.73%)	78.7mV (10.81V, 2.654A, 9.262V, 2.998A, 96.79%)
	75% (IOUT=2.25A)	50mV (10.802V, 1.966A, 9.175V, 2.248A, 97.14%)	52.1mV (10.802V, 1.971A, 9.202V, 2.248A, 97.16%)	74mV (10.815V, 1.978A, 9.243V, 2.248A, 97.12%)
	50% (IOUT=1.5A)	50.7mV (10.813V, 1.306A, 9.157V, 1.498A, 97.12%)	51.4mV (10.815V, 1.31A, 9.183V, 1.498A, 97.09%)	73.3mV (10.801V, 1.317A, 9.23V, 1.498A, 97.16%)
	25% (IOUT=0.75A)	61mV (10.812V, 0.659A, 9.14V, 0.748A, 95.93%)	51.3mV (10.812V, 0.661A, 9.169V, 0.748A, 95.9%)	81.5mV (10.815V, 0.664A, 9.217V, 0.748A, 95.98%)
VOUT=5V	100% (IOUT=3.0A)	65.8mV (12.008V, 1.367A, 5.165V, 2.998A, 94.3%)	82.2mV (12.012V, 1.37A, 5.181V, 2.998A, 94.38%)	78.2mV (12.013V, 1.36A, 5.133V, 2.998A, 94.18%)
	75% (IOUT=2.25A)	61.7mV (12.001V, 1.019A, 5.144V, 2.248A, 94.57%)	78.7mV (12.004V, 1.022A, 5.163V, 2.248A, 94.63%)	72.7mV (12.007V, 1.013A, 5.118V, 2.248A, 94.6%)
	50% (IOUT=1.5A)	61.6mV (12.013V, 0.678A, 5.129V, 1.498A, 94.24%)	68.5mV (12.013V, 0.682A, 5.148V, 1.498A, 94.08%)	70.1mV (12.016V, 0.676A, 5.104V, 1.498A, 94.05%)
	25% (IOUT=0.75A)	57.6mV (12.007V, 0.348A, 5.114V, 0.748A, 91.53%)	64.4mV (12.009V, 0.35A, 5.132V, 0.748A, 91.36%)	65.9mV (12.011V, 0.347A, 5.092V, 0.748A, 91.46%)

20Hz-20MHz, VIN=12V, 测试VOUT纹波	VOUT=9V	100% (IOUT=3.0A)	56.9mV (12.013V, 2.38A, 9.203V, 2.998A, 96.49%)	61.6mV (12.014V, 2.388A, 9.229V, 2.998A, 96.46%)	68.6mV (12.006V, 2.397A, 9.265V, 2.998A, 96.54%)
		75% (IOUT=2.25A)	54.1mV (12.009V, 1.777A, 9.182V, 2.248A, 96.72%)	55.5mV (12.015V, 1.779A, 9.207V, 2.248A, 96.83%)	65.9mV (12.006V, 1.788A, 9.247V, 2.248A, 96.82%)
		50% (IOUT=1.5A)	56.2mV (12.018V, 1.181A, 9.165V, 1.498A, 96.71%)	48.6mV (12V, 1.186A, 9.187V, 1.498A, 96.69%)	61.8mV (12.003V, 1.191A, 9.235V, 1.498A, 96.76%)
		25% (IOUT=0.75A)	52.8mV (12.014V, 0.598A, 9.15V, 0.748A, 95.18%)	51.4mV (12.016V, 0.6A, 9.171V, 0.748A, 95.07%)	63.2mV (12.018V, 0.603A, 9.22V, 0.748A, 95.16%)
	VOUT=12V	100% (IOUT=3.0A)	45.2mV (12.004V, 2.897A, 11.264V, 2.998A, 97.11%)	56.9mV (12.017V, 2.899A, 11.307V, 2.998A, 97.3%)	54.2mV (12.011V, 2.898A, 11.29V, 2.998A, 97.27%)
		75% (IOUT=2.25A)	52.1mV (12.001V, 2.178A, 11.331V, 2.248A, 97.44%)	49.2mV (12.002V, 2.18A, 11.363V, 2.248A, 97.65%)	52.9mV (12.014V, 2.179A, 11.363V, 2.248A, 97.6%)
		50% (IOUT=1.5A)	52.7mV (12.003V, 1.458A, 11.399V, 1.498A, 97.51%)	44.5mV (12.012V, 1.46A, 11.428V, 1.498A, 97.62%)	50.8mV (12.013V, 1.459A, 11.427V, 1.498A, 97.7%)
		25% (IOUT=0.75A)	54.1mV (12.009V, 0.739A, 11.454V, 0.748A, 96.55%)	42.5mV (12.008V, 0.739A, 11.486V, 0.748A, 96.79%)	49.4mV (12.014V, 0.739A, 11.482V, 0.748A, 96.81%)

14	纹波噪声	20Hz-20MHz，VIN=24V，测试VOUT纹波	VOUT=5V	100% (IOUT=3.0A)	82.9mV (24.013V, 0.701A, 5.185V, 2.998A, 92.32%)	91.1mV (24.015V, 0.703A, 5.201V, 2.998A, 92.38%)	78.2mV (24.017V, 0.698A, 5.149V, 2.998A, 92.04%)
				75% (IOUT=2.25A)	76mV (24.016V, 0.524A, 5.163V, 2.248A, 92.2%)	79.4mV (24.001V, 0.526A, 5.178V, 2.248A, 92.2%)	68.6mV (24.003V, 0.522A, 5.129V, 2.248A, 91.92%)
				50% (IOUT=1.5A)	64.3mV (24.006V, 0.352A, 5.143V, 1.498A, 91.09%)	70.5mV (24.008V, 0.354A, 5.159V, 1.498A, 90.75%)	65.2mV (24.009V, 0.352A, 5.112V, 1.498A, 90.47%)
				25% (IOUT=0.75A)	44.5mV (24.012V, 0.173A, 5.124V, 0.748A, 91.88%)	56.1mV (24.014V, 0.176A, 5.14V, 0.748A, 90.72%)	54.2mV (24.014V, 0.177A, 5.096V, 0.748A, 89.65%)
			VOUT=9V	100% (IOUT=3.0A)	81.5mV (24.014V, 1.215A, 9.239V, 2.998A, 94.92%)	98.6mV (24.016V, 1.22A, 9.26V, 2.998A, 94.75%)	92.6mV (24.002V, 1.226A, 9.29V, 2.998A, 94.67%)
				75% (IOUT=2.25A)	73.3mV (24.006V, 0.91A, 9.209V, 2.248A, 94.7%)	84.2mV (24.009V, 0.914A, 9.231V, 2.248A, 94.59%)	87.8mV (24.012V, 0.92A, 9.268V, 2.248A, 94.35%)
				50% (IOUT=1.5A)	75.3mV (24.015V, 0.611A, 9.182V, 1.498A, 93.74%)	77.4mV (24V, 0.614A, 9.205V, 1.498A, 93.6%)	80.3mV (24.002V, 0.619A, 9.248V, 1.498A, 93.25%)
				25% (IOUT=0.75A)	52.8mV (24.01V, 0.303A, 9.167V, 0.748A, 94.18%)	67.8mV (24.011V, 0.306A, 9.19V, 0.748A, 93.56%)	62.5mV (24.012V, 0.31A, 9.233V, 0.748A, 92.85%)

单位：mV
(X1, X2, Y1, Y2, n)
X1=输入端电容电压
X2=输入端电流
Y1=输出端电容电压
Y2=负载仪电流
n=效率

	VOUT=12V	100% (IOUT=3.0A)	82.2mV (24.003V, 1.6A, 12.268V, 2.998A, 95.76%)	95.8mV (24.008V, 1.602A, 12.285V, 2.998A, 95.79%)	91.2mV (24.011V, 1.605A, 12.294V, 2.998A, 95.64%)
		75% (IOUT=2.25A)	80.1mV (24.012V, 1.199A, 12.238V, 2.248A, 95.55%)	89mV (24V, 1.2A, 12.256V, 2.248A, 95.63%)	81.7mV (24.005V, 1.204A, 12.272V, 2.248A, 95.43%)
		50% (IOUT=1.5A)	70.6mV (24.011V, 0.803A, 12.207V, 1.498A, 94.85%)	84.9mV (24.013V, 0.805A, 12.226V, 1.498A, 94.76%)	76.2mV (24.011V, 0.805A, 12.25V, 1.498A, 94.87%)
		25% (IOUT=0.75A)	52.1mV (24.008V, 0.399A, 12.192V, 0.748A, 95.11%)	64.4mV (24.009V, 0.402A, 12.212V, 0.748A, 94.6%)	58.4mV (24.009V, 0.404A, 12.236V, 0.748A, 94.33%)
	VOUT=5V	100% (IOUT=3.0A)	78.8mV (30.018V, 0.569A, 5.197V, 2.998A, 91.14%)	85.6mV (30.021V, 0.571A, 5.213V, 2.998A, 91.16%)	91.9mV (30.002V, 0.567A, 5.156V, 2.998A, 90.81%)
		75% (IOUT=2.25A)	64.4mV (30.003V, 0.426A, 5.172V, 2.248A, 90.85%)	74.6mV (30.026V, 0.428A, 5.188V, 2.248A, 90.61%)	88.5mV (30.007V, 0.426A, 5.136V, 2.248A, 90.21%)
		50% (IOUT=1.5A)	63.7mV (30.009V, 0.288A, 5.151V, 1.498A, 89.05%)	70.5mV (30.032V, 0.29A, 5.167V, 1.498A, 88.62%)	81.55mV (30.013V, 0.29A, 5.117V, 1.498A, 88.07%)
		25% (IOUT=0.75A)	52.7mV (30.015V, 0.142A, 5.13V, 0.748A, 89.69%)	52.7mV (30.037V, 0.145A, 5.146V, 0.748A, 88.17%)	52.2mV (30.017V, 0.146A, 5.101V, 0.748A, 86.9%)

			20Hz-20MHz, VIN=30V, 测试VOUT纹波	<table> <tr> <td rowspan="4">VOUT=9V</td><td>100% (IOUT=3.0A)</td><td>93.2mV (30.005V, 0.985A, 9.26V, 2.998A, 93.95%)</td><td>107.6mV (30.008V, 0.988A, 9.279V, 2.998A, 93.84%)</td><td>102.2mV (30.011V, 0.993A, 9.305V, 2.998A, 93.61%)</td></tr> <tr> <td>75% (IOUT=2.25A)</td><td>82.9mV (30.014V, 0.739A, 9.228V, 2.248A, 93.51%)</td><td>97.3mV (30.013V, 0.741A, 9.249V, 2.248A, 93.49%)</td><td>98.65mV (30.017V, 0.747A, 9.279V, 2.248A, 93%)</td></tr> <tr> <td>50% (IOUT=1.5A)</td><td>69.2mV (30.003V, 0.486A, 9.193V, 1.498A, 94.42%)</td><td>82.2mV (30.004V, 0.494A, 9.218V, 1.498A, 93.02%)</td><td>86.5mV (30.006V, 0.494A, 9.256V, 1.498A, 93.41%)</td></tr> <tr> <td>25% (IOUT=0.75A)</td><td>57.5mV (30.012V, 0.246A, 9.179V, 0.748A, 92.73%)</td><td>68.5mV (30.013V, 0.249A, 9.202V, 0.748A, 91.92%)</td><td>70.7mV (30.014V, 0.254A, 9.241V, 0.748A, 90.67%)</td></tr> <tr> <td rowspan="4">VOUT=12V</td><td>100% (IOUT=3.0A)</td><td>92.5mV (30.014V, 1.294A, 12.296V, 2.998A, 94.92%)</td><td>107.5mV (30.015V, 1.298A, 12.315V, 2.998A, 94.78%)</td><td>96.7mV (30.002V, 1.299A, 12.309V, 2.998A, 94.71%)</td></tr> <tr> <td>75% (IOUT=2.25A)</td><td>84.9mV (30.008V, 0.97A, 12.255V, 2.248A, 94.59%)</td><td>100.7mV (30.009V, 0.973A, 12.275V, 2.248A, 94.45%)</td><td>92.6mV (30.012V, 0.976A, 12.281V, 2.248A, 94.28%)</td></tr> <tr> <td>50% (IOUT=1.5A)</td><td>71.3mV (30.011V, 0.641A, 12.223V, 1.498A, 95.18%)</td><td>85.6mV (30V, 0.645A, 12.244V, 1.498A, 94.78%)</td><td>83mV (30.001V, 0.648A, 12.259V, 1.498A, 94.44%)</td></tr> <tr> <td>25% (IOUT=0.75A)</td><td>63.7mV (30.01V, 0.324A, 12.204V, 0.748A, 93.79%)</td><td>73.9mV (30.012V, 0.327A, 12.228V, 0.748A, 93.15%)</td><td>72.8mV (30.012V, 0.33A, 12.243V, 0.748A, 92.48%)</td></tr> </table>	VOUT=9V	100% (IOUT=3.0A)	93.2mV (30.005V, 0.985A, 9.26V, 2.998A, 93.95%)	107.6mV (30.008V, 0.988A, 9.279V, 2.998A, 93.84%)	102.2mV (30.011V, 0.993A, 9.305V, 2.998A, 93.61%)	75% (IOUT=2.25A)	82.9mV (30.014V, 0.739A, 9.228V, 2.248A, 93.51%)	97.3mV (30.013V, 0.741A, 9.249V, 2.248A, 93.49%)	98.65mV (30.017V, 0.747A, 9.279V, 2.248A, 93%)	50% (IOUT=1.5A)	69.2mV (30.003V, 0.486A, 9.193V, 1.498A, 94.42%)	82.2mV (30.004V, 0.494A, 9.218V, 1.498A, 93.02%)	86.5mV (30.006V, 0.494A, 9.256V, 1.498A, 93.41%)	25% (IOUT=0.75A)	57.5mV (30.012V, 0.246A, 9.179V, 0.748A, 92.73%)	68.5mV (30.013V, 0.249A, 9.202V, 0.748A, 91.92%)	70.7mV (30.014V, 0.254A, 9.241V, 0.748A, 90.67%)	VOUT=12V	100% (IOUT=3.0A)	92.5mV (30.014V, 1.294A, 12.296V, 2.998A, 94.92%)	107.5mV (30.015V, 1.298A, 12.315V, 2.998A, 94.78%)	96.7mV (30.002V, 1.299A, 12.309V, 2.998A, 94.71%)	75% (IOUT=2.25A)	84.9mV (30.008V, 0.97A, 12.255V, 2.248A, 94.59%)	100.7mV (30.009V, 0.973A, 12.275V, 2.248A, 94.45%)	92.6mV (30.012V, 0.976A, 12.281V, 2.248A, 94.28%)	50% (IOUT=1.5A)	71.3mV (30.011V, 0.641A, 12.223V, 1.498A, 95.18%)	85.6mV (30V, 0.645A, 12.244V, 1.498A, 94.78%)	83mV (30.001V, 0.648A, 12.259V, 1.498A, 94.44%)	25% (IOUT=0.75A)	63.7mV (30.01V, 0.324A, 12.204V, 0.748A, 93.79%)	73.9mV (30.012V, 0.327A, 12.228V, 0.748A, 93.15%)	72.8mV (30.012V, 0.33A, 12.243V, 0.748A, 92.48%)
VOUT=9V	100% (IOUT=3.0A)	93.2mV (30.005V, 0.985A, 9.26V, 2.998A, 93.95%)	107.6mV (30.008V, 0.988A, 9.279V, 2.998A, 93.84%)	102.2mV (30.011V, 0.993A, 9.305V, 2.998A, 93.61%)																																		
	75% (IOUT=2.25A)	82.9mV (30.014V, 0.739A, 9.228V, 2.248A, 93.51%)	97.3mV (30.013V, 0.741A, 9.249V, 2.248A, 93.49%)	98.65mV (30.017V, 0.747A, 9.279V, 2.248A, 93%)																																		
	50% (IOUT=1.5A)	69.2mV (30.003V, 0.486A, 9.193V, 1.498A, 94.42%)	82.2mV (30.004V, 0.494A, 9.218V, 1.498A, 93.02%)	86.5mV (30.006V, 0.494A, 9.256V, 1.498A, 93.41%)																																		
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	75% (IOUT=2.25A)	84.9mV (30.008V, 0.97A, 12.255V, 2.248A, 94.59%)	100.7mV (30.009V, 0.973A, 12.275V, 2.248A, 94.45%)	92.6mV (30.012V, 0.976A, 12.281V, 2.248A, 94.28%)																																		
	50% (IOUT=1.5A)	71.3mV (30.011V, 0.641A, 12.223V, 1.498A, 95.18%)	85.6mV (30V, 0.645A, 12.244V, 1.498A, 94.78%)	83mV (30.001V, 0.648A, 12.259V, 1.498A, 94.44%)																																		
	25% (IOUT=0.75A)	63.7mV (30.01V, 0.324A, 12.204V, 0.748A, 93.79%)	73.9mV (30.012V, 0.327A, 12.228V, 0.748A, 93.15%)	72.8mV (30.012V, 0.33A, 12.243V, 0.748A, 92.48%)																																		