



DST-850DII TEST REPORT

Level:				
All tests 50Hz (except as noted)	Sample #:	440#		
	Date:	2019.4.3		
	Tech:			
Measurement	Target	Limits		
Standby Current (IOD)	<3mA		1.46	
Idle Current	< 1.5 A		1.2	
Turn On/Off Noise	None		PASS	
THD at Half Power: 150W at 4 Ohms	< 0.15%		0.032	
RCA Level Sensitivity 300W at 4 Ohms	0.15 to 3.5	10%	0.158V-3.44V	
	0.3 to 7	10%	0.312V-6.8V	
	1.2 to 28	10%	1.23V	26.8V
Remote Gain Range @ Max	+0 dB	+1 to -1	-0.53	
Remote Gain Range @ Min	-26 dB	-24 to -28	-26.3	
Speaker Polarity at 100Hz	In	< 40°	-6.7	
Low Pass Crossover	200Hz	180 to 220	198.7	
	50Hz	45 to 55	50	
LP Slope	12dB		11.9	
High Pass Crossover (Subsonic)	22Hz	20 to 24	25.9	
HP Slope	24dB		23.8	
Bass Boost (Gain)	+12dB	11 to 13	12.6	
(Center Freq)	45Hz	40 to 50	45.7	
(Q) (Enter Data Below)	3	2.7 to 3.3	3.1	
SNR-A (Minimum Gain) – 300W	> -95dBA		104.7	
SNR (CEA) 1 Watt	> - 70db		79	
Damping Factor at 50Hz/4 Ohm 10W	>100		204	
4 Ohm Mono Power at 1%, 14.4Vdc	>300W		350	
2 Ohm Mono Power at 1%, 14.4Vdc	>570W		607	

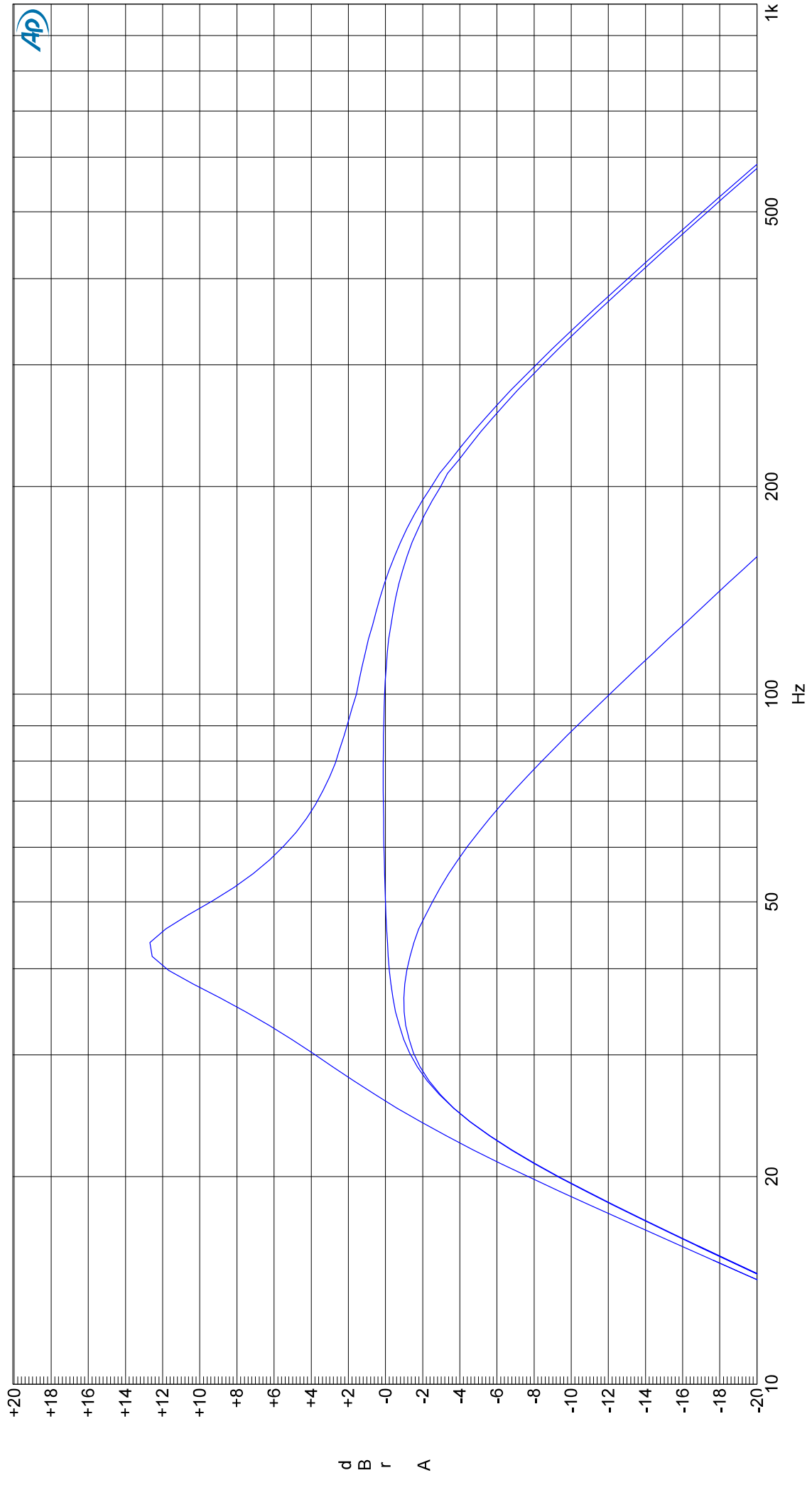
Current Draw at 2 Ohm 1%	<55A		47.5		
Efficiency at 2 Ohm Mono, 1%	>75%		88.7%		
Time To Thermal – 1 st Shutdown	Time	Temp	14:00	68°C	
Recovery					
2 nd Shutdown					
Recovery					
3 rd Shutdown					
Recovery					
Thermal: Ambient Temp / Output	75°C ±5				
LED Operation (Thermal)	OK		OK		
Remote Turn-On Threshold	6V	5 to 7V	5		
DC Offset Turn-On Threshold (LF Input)	3V	2 to 4V	3		
Audio Turn-On 1KHz	10mV	5 to 15mV	5		
Audio Turn Off Delay(100mV 1KHz)	60S	50 to 70S	54		
- Turn Off Delay	<100uS		44		
- Turn On Delay	3S	2.5 to 3.5S	3.2		
Short Protection	No Failure		PASS		
LED Operation (Short)	OK		OK		
Over Voltage Protect (Up/Down)	16V	15.5 - 16.5	15.9		
LED Operation (OVP)	OK		OK		
Under Voltage Protect (Up/Down)	8V	7.5 - 8.5	8		
LED Operation (UVP)	OK		OK		
			Click for Graphs	Click for Graphs	

Comments:

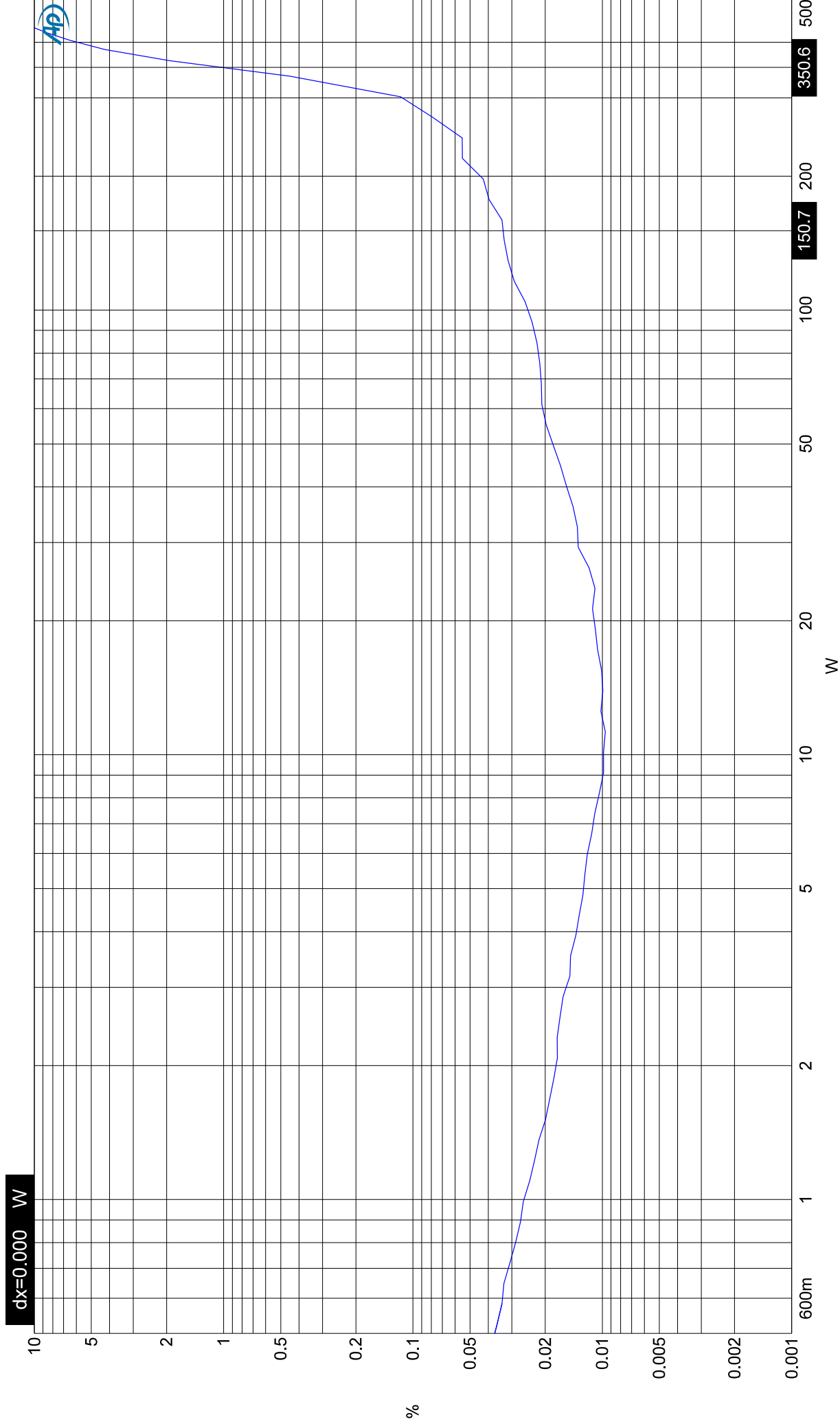
TEST VOLTAGE: 14.4±0.1

MODEL: **DST-850DII** P/O:

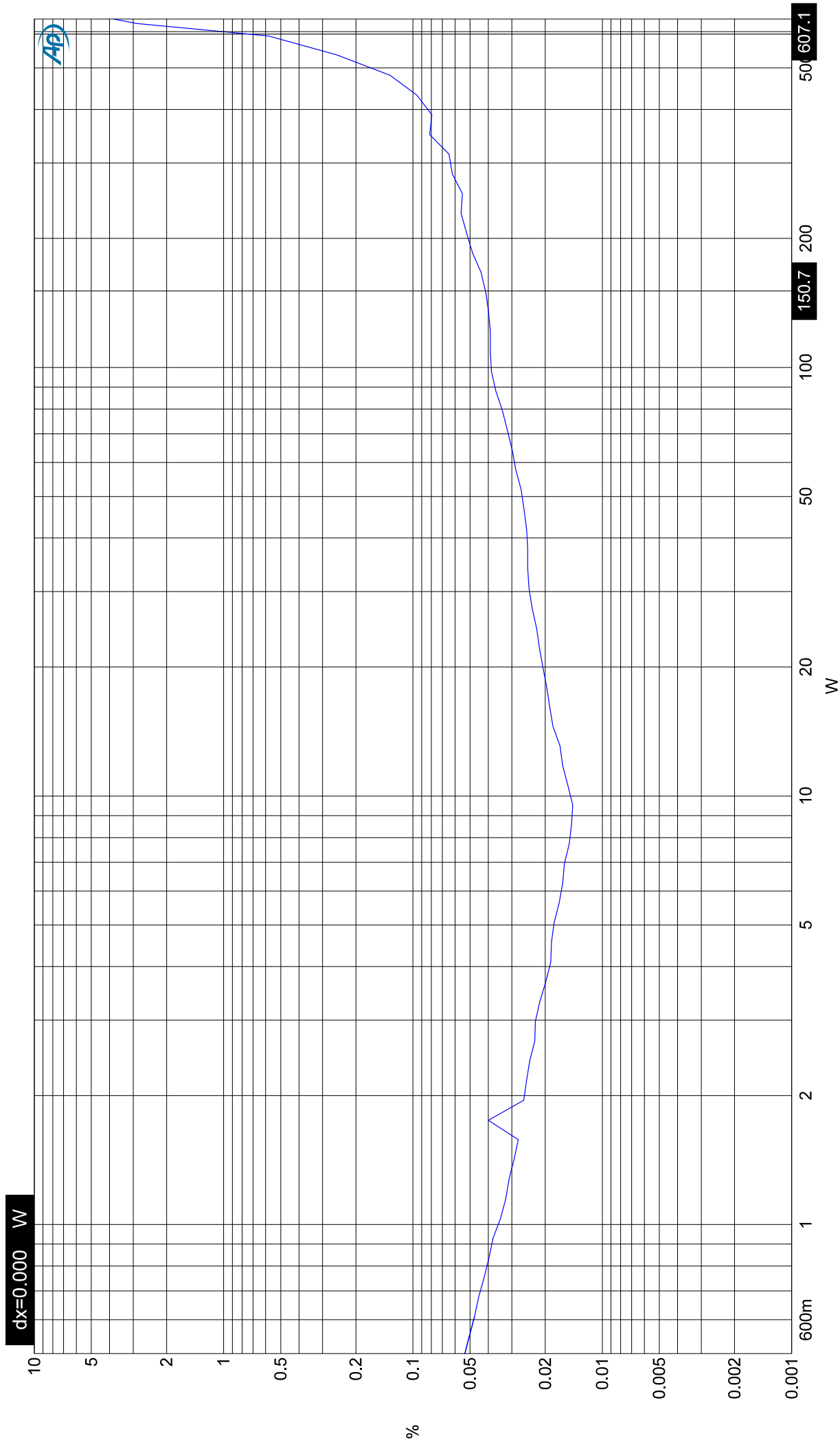
PREPARED BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
TangKunWu	2019.4.15				



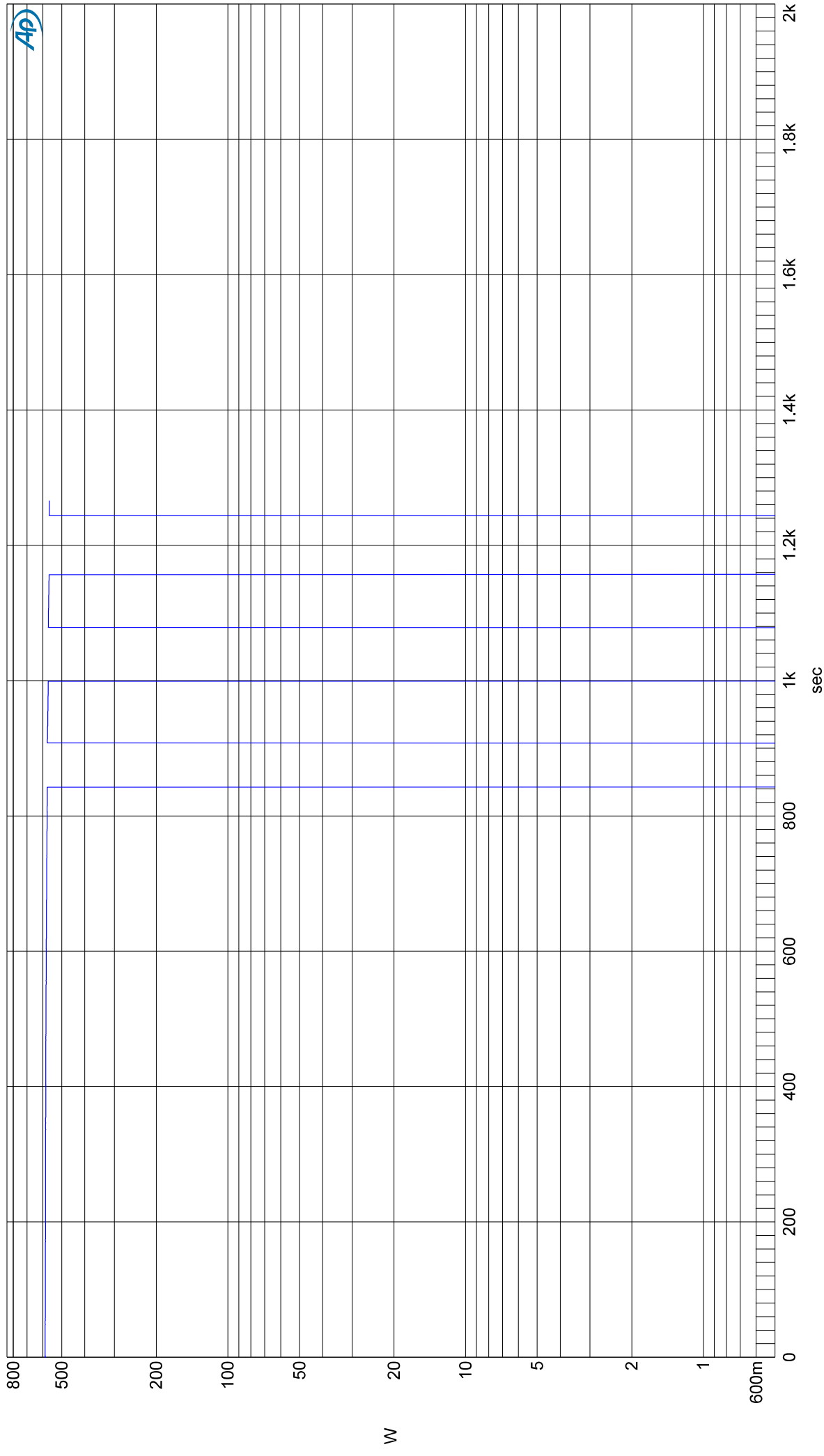
Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Blue	Solid	8	Anlr.Ampl	Left	
2	1	Blue	Solid	8	Anlr.Ampl	Left	
3	1	Blue	Solid	8	Anlr.Ampl	Left	



Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment	Cursor1	Cursor2
1	1	Blue	Solid	8	Anlr.THd+N Ratio	Left



Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment	Cursor1	Cursor2
1	1	Blue	Solid	8	Anlr.THDratio	Left



Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Blue	Solid	8	Anlr.Level A	Left	

2019-04-03 08:28:29

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2019-04-03 09:00:59

