

GIGABYTE

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GBT confidential; NDA on 1/25



NVIDIA GEFORCE®

1GB GDDR5

GTX 560 Ti

GV-N5600C-1GI Sales Kit

MULTIMEDIA  
Graphics Card / PC Peripherals

## Selling Points

### Overclock version!

- NVIDIA GeForce GTX 560 Ti GPU
- Core/Mem clock: **900** (std 822) /4000 MHz
- *7% performance better than stock GTX 560 Ti*
- *14% cooler than GTX 560 Ti stock cooler*



- Powered by NVIDIA GeForce GTX 560 Ti GPU
- 384 CUDA Core
- Microsoft DirectX 11 and OpenGL 4.1 support
- Supports PCI Express 2.0 interface
- Support NVIDIA Surround, 3D Vision, PhysX, CUDA, and Pure Video HD Technology
- Support 2 way SLI
- Features Dual Link DVI-I\*2/ mini HDMI
- 500 Watt or greater power supply recommended





## Outlook & Accessory

WINDFORCE™ 2X  
heat pipes \* 4

6-pin power connector\*2

NVIDIA GeForce GTX 560 Ti GPU  
DirectX 11 & OpenGL 4.1  
Shader Model 5.0

Mini HDMI to HDMI dongle

Mini HDMI/  
Dual-link DVI-I\*2

DVI to D-Sub adapter

1 GB GDDR5 Memory 256-bit  
384 CUDA Cores

PCI express 2.0 Interface

Minimum 500W or greater system power  
With two 6-pin power connectors

Date: 2011/1/18



# Specification



<b>GPU</b>	<b>GeForce GTX 560 Ti</b>
<b>Core Clock</b>	<b>900</b> (std 822) MHz
<b>Memory Clock</b>	4000 MHz
<b>Shader Clock</b>	1800 MHz
<b>Memory Size</b>	1 GB GDDR5
<b>Bus Type</b>	PCI Express 2.0
<b>Memory Bus</b>	256-bit
<b>Stream Processors</b>	384
<b>Memory type</b>	32Mx32
<b>DirectX 11</b>	Yes
<b>DVI Port</b>	DVI-I*2 (Support Dual-link DVI-I)
<b>HDMI</b>	Yes (via mini HDMI to HDMI cable)
<b>D-sub</b>	Yes (by adapter)
<b>HDCP</b>	Yes
<b>Video in</b>	No
<b>3DMark Vantage Extreme</b>	<b>X10228</b>
<b>3DMark Vantage Performance</b>	<b>P22618</b>

Date: 2011/11/8

# WINDFORCE™ 2X



11/1/18

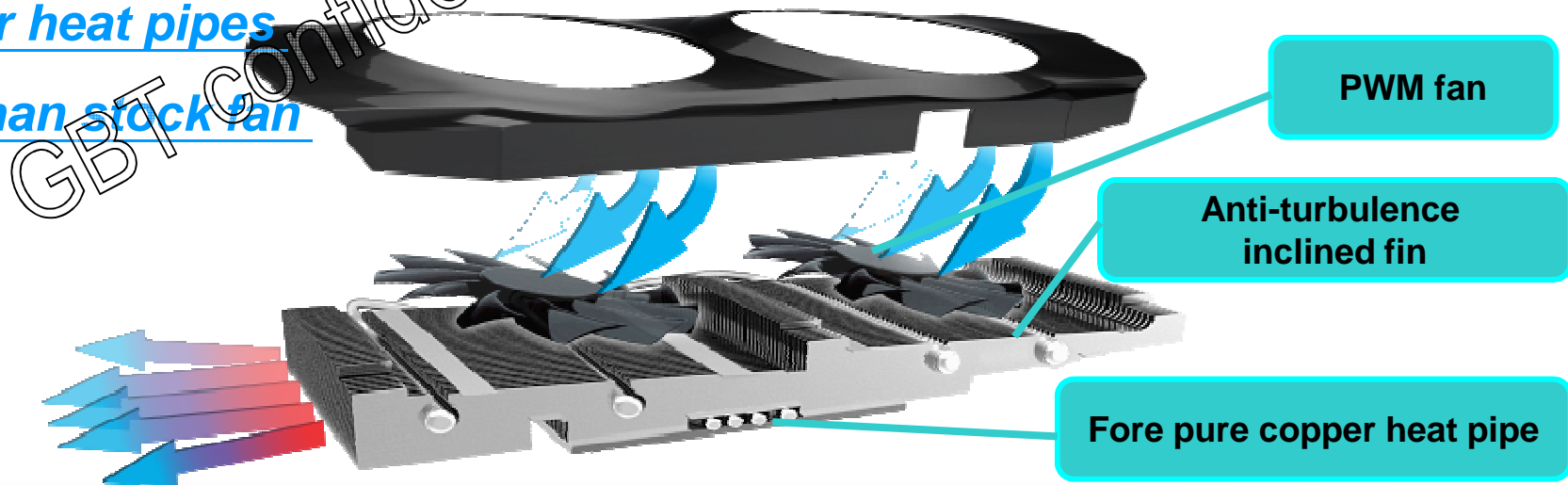
- Anti-turbulence inclined-fin design
  - Minimize flow turbulence between fans
  - Enhance heat dissipation of hot area right underneath each fan
  - Create effective air flow system in chassis
- Ultra quiet PWM fan
  - 80mm PWM fan; run up to 3300 RPM
  - 23 dB in 2D mode; 43 dB at full speed
- Pure copper heat pipe
  - Four pure copper heat pipes enhance heat dissipation



2X airflow performance

4 pure copper heat pipes

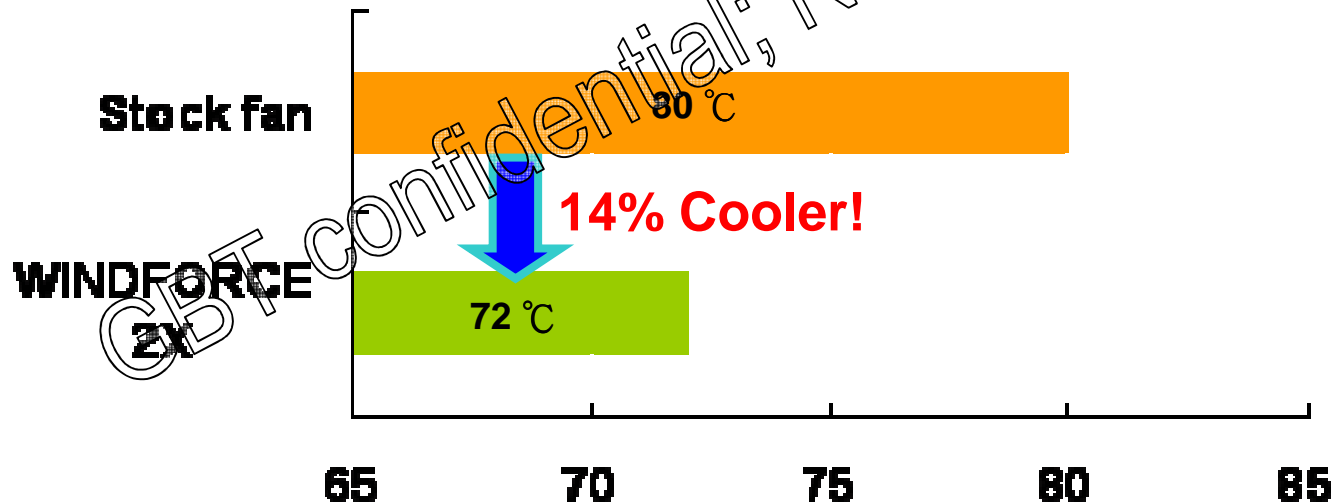
14% cooler than stock fan



# WINDFORCE™ 2X-Temperature Comparison



MODEL NAME	GTX 560 Ti Stock cooler	WINDFORCE 2X
GCLK(MHZ)	820	820
MCLK(MHZ)	4000	4000
Test Program	Furmark	Furmark
GPU Temp	80 °C	72 °C



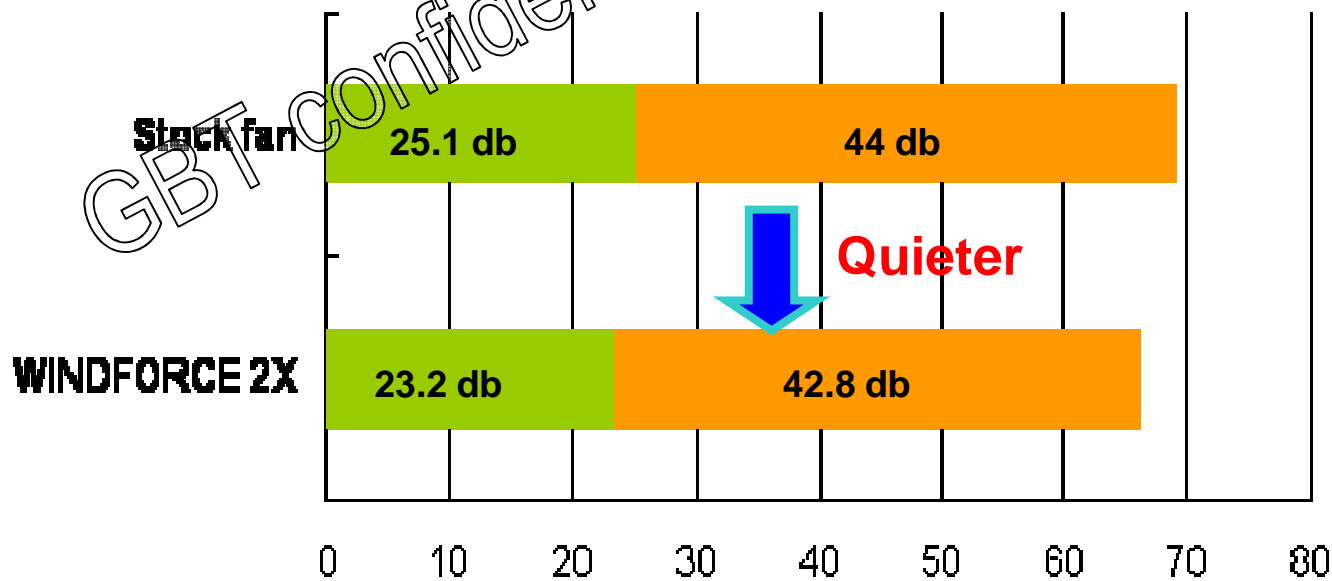
\*Ambient Temp. 23.5°C



# Latest WINDFORCE™ 3X- Noise Comparison

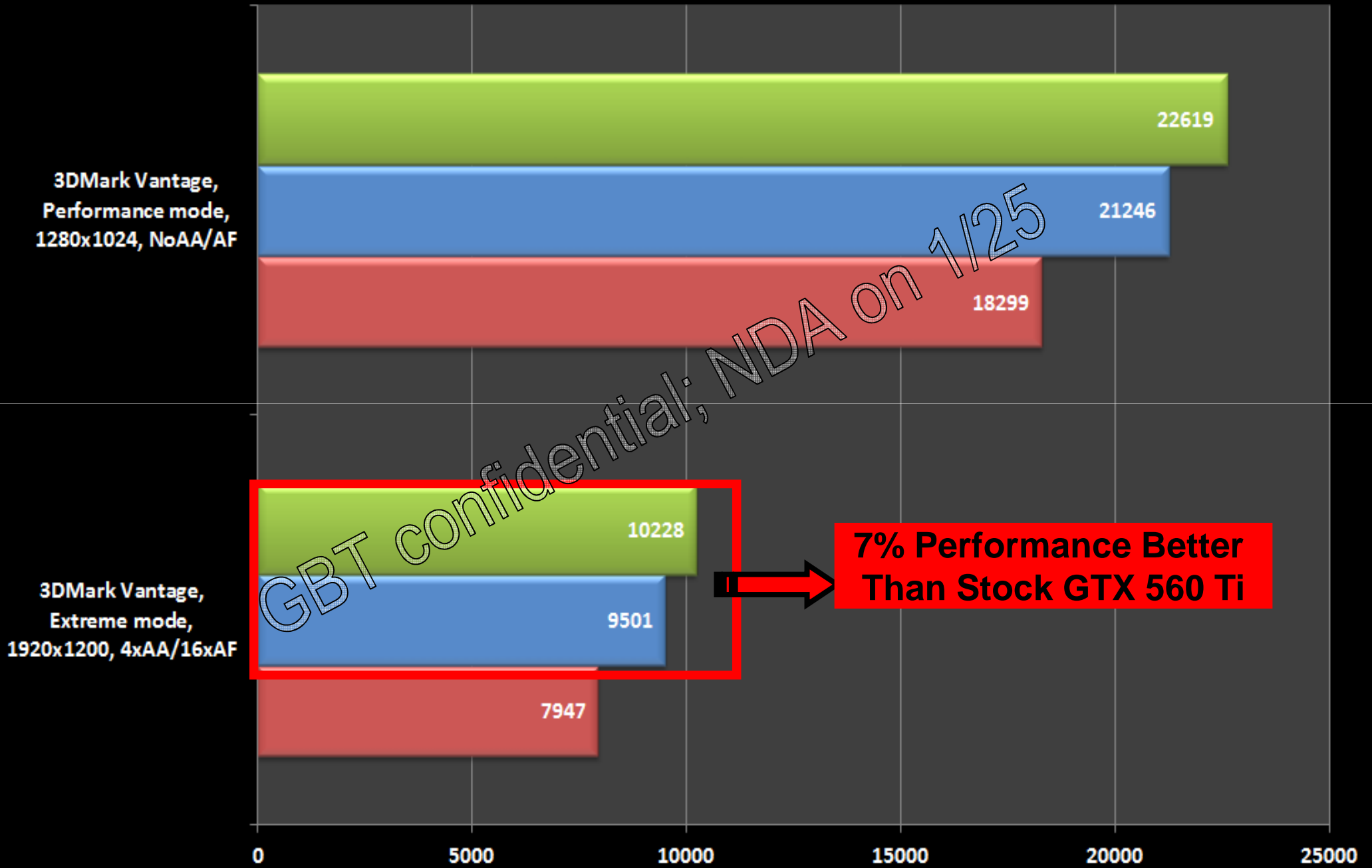


MODEL NAME	GTX 560 Ti Stock cooler	WINDFORCE 2X
GCLK(MHZ)	820	820
MCLK(MHZ)	4000	4000
Test Program	Furmark	Furmark
Noise:2D	25.1 db	23.2db
Noise: 3D (full loading)	44 db	42.8 db



# Benchmark

■ GV-N5600C-1GI ■ GTX 560 Ti ■ GTX 470



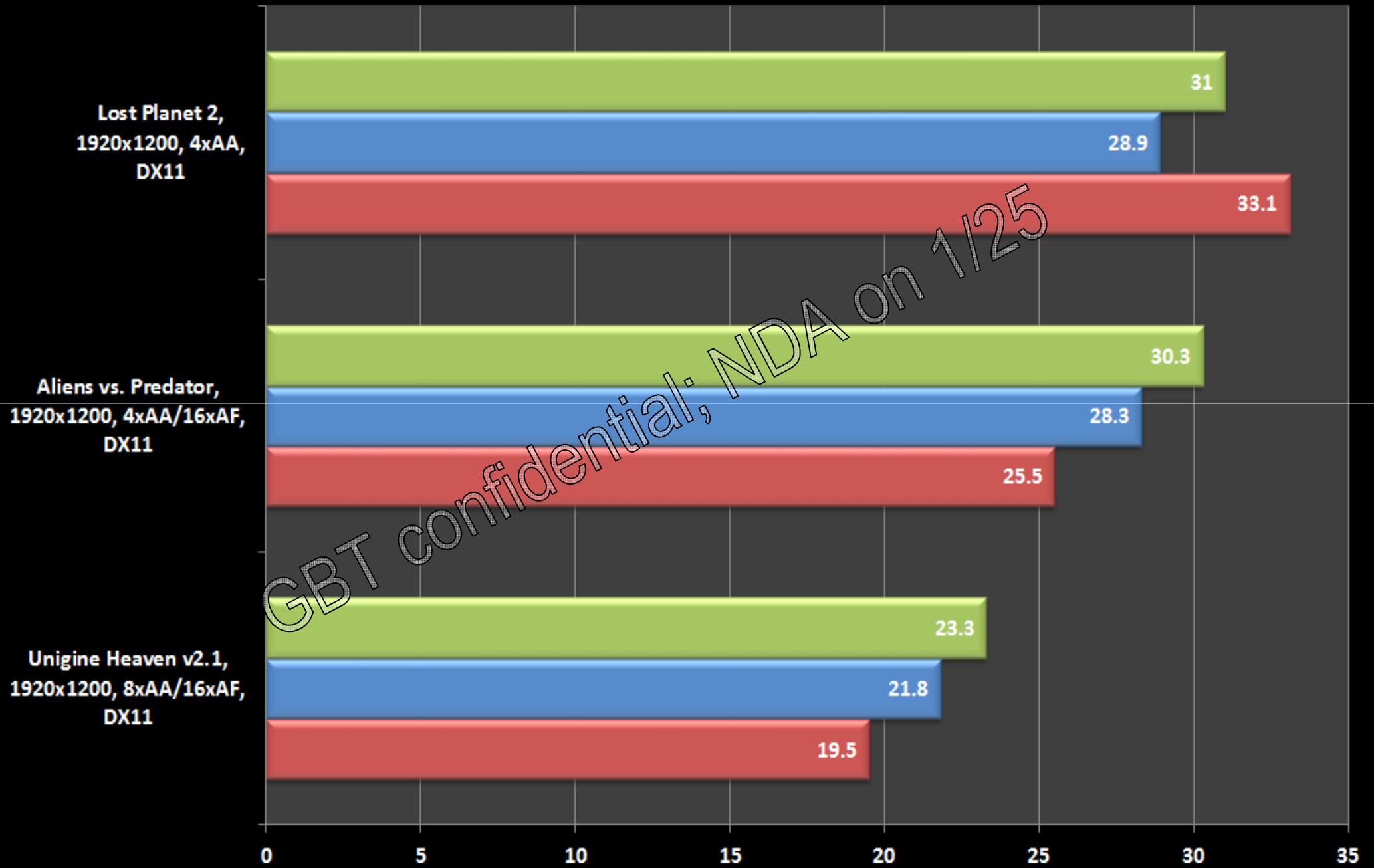
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7% Performance Better Than Stock GTX 560 Ti



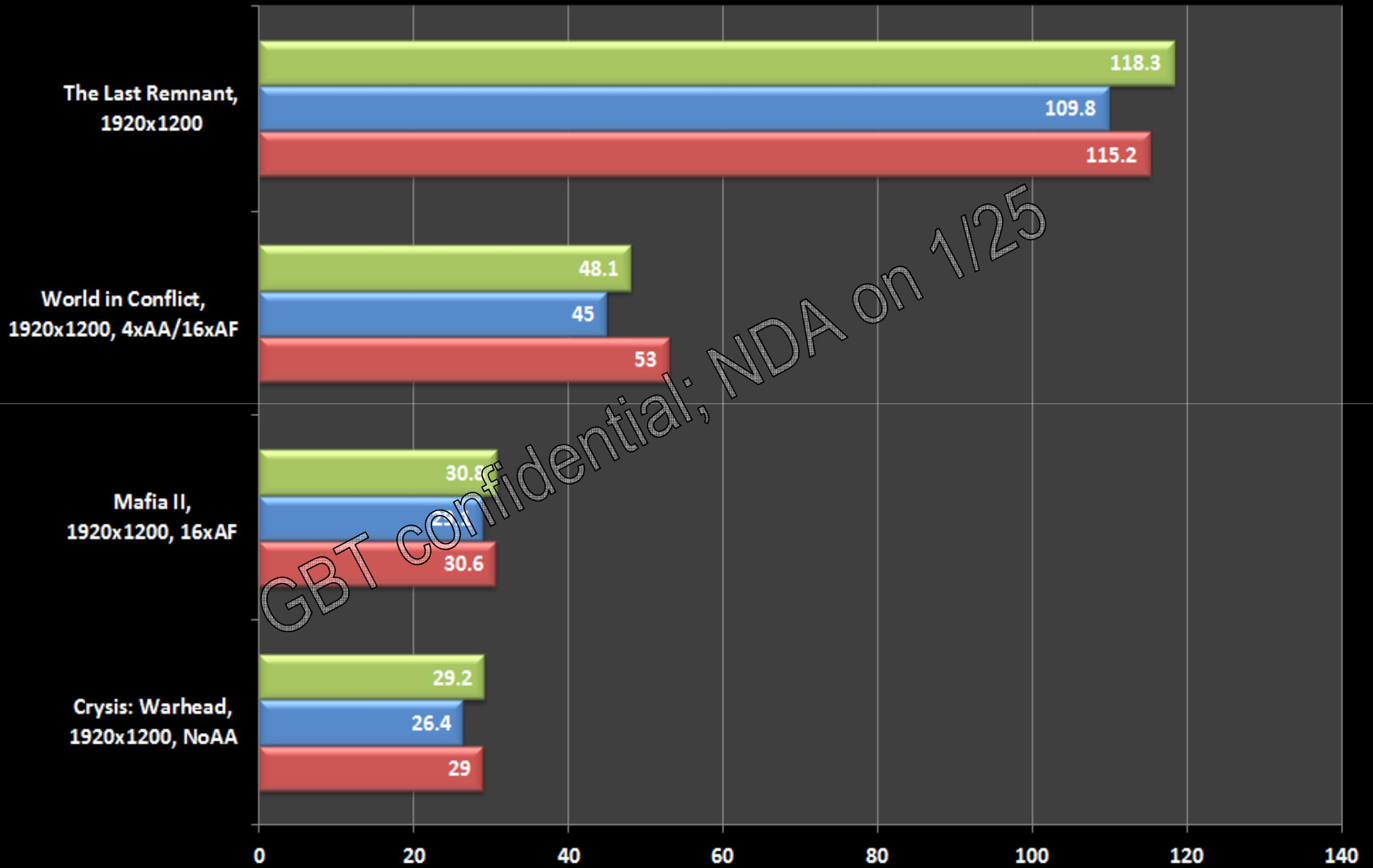
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