

\*\*\*ClockTuner for Ryzen 2.1 RC5(ver.23) by 1usmus\*\*\*

AMD Ryzen 9 5900X 12-Core Processor

GIGABYTE X570 AORUS PRO

BIOS ver. F33 SMU ver. 56.50.00

TABLE ver. 3672069

DRAM speed 3200 MHz

06/09/2021 22:10:22

P1

P1 PROFILE has been restored!

P2

P2 PROFILE has been restored!

PX

PX PROFILE has been restored!

DRAM must be overclocked and stable!

Otherwise the profile creation process will crash

22:10:35: Test 1 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 45 V 1.467 W 0.22 T 36.04 L 0.956

C02 174 F 4856 V 1.467 W 14.34 T 66.08 L 1.339

C03 170 F 391 V 1.467 W 2.09 T 42.06 L 0.989

C04 174 F 4744 V 1.467 W 13.93 T 65.52 L 1.326  
C05 158 F 223 V 1.467 W 1.61 T 39.96 L 0.972  
C06 162 F 148 V 1.467 W 0.41 T 43.4 L 0.97  
C07 150 F 206 V 1.467 W 0.41 T 38.85 L 0.939  
C08 141 F 192 V 1.467 W 1.02 T 35.76 L 0.93  
C09 133 F 402 V 1.467 W 1.46 T 39.66 L 0.984  
C10 145 F 122 V 1.467 W 0.29 T 35.39 L 0.924  
C11 137 F 31 V 1.467 W 0.11 T 37.22 L 0.924  
C12 154 F 168 V 1.467 W 0.96 T 36.46 L 0.928

Vdroop: 0.58%

4750 - PASSED

4775 - PASSED

4800 - PASSED

4825 - PASSED

4850 - PASSED

4875 - PASSED

4900 - PASSED

4925 - PASSED

22:11:03: Cinebench stopped!

PX HIGH sub-profile

CPU usage(min): 8.2%

CPU usage(avg): 8.68%

CPU usage(max): 10.9%

SAFE: 4925MHz

FAST: 4975MHz

22:11:03: Test 1 finished!

22:11:03: Test 2 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4710	V 1.432	W 12.79	T 65.91	L 1.297
C02	174	F 4548	V 1.432	W 12.26	T 64.27	L 1.231
C03	170	F 4742	V 1.432	W 13.27	T 67.6	L 1.282
C04	174	F 4716	V 1.432	W 12.88	T 64.42	L 1.236
C05	158	F 170	V 1.432	W 1.12	T 47.2	L 0.954
C06	162	F 195	V 1.432	W 0.5	T 44.73	L 0.954
C07	150	F 136	V 1.432	W 0.3	T 38.76	L 0.934
C08	141	F 256	V 1.432	W 1.08	T 36.98	L 0.94
C09	133	F 316	V 1.432	W 1.47	T 40.53	L 0.974
C10	145	F 215	V 1.432	W 0.38	T 36.57	L 0.937
C11	137	F 110	V 1.432	W 0.28	T 38.75	L 0.934
C12	154	F 296	V 1.432	W 0.9	T 37.65	L 0.944

Vdroop: 1.38%

4675 - PASSED

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

4800 - PASSED

4825 - PASSED

22:11:31: Cinebench stopped!

PX MID sub-profile

CPU usage(min): 16.4%

CPU usage(avg): 16.95%

CPU usage(max): 19.3%

SAFE: 4825MHz

FAST: 4875MHz

Max CPU usage for PX MID: 20%

22:11:31: Test 2 finished!

22:11:31: Test 3 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 4606 V 1.408 W 11.83 T 64.84 L 1.252

C02 174 F 4689 V 1.408 W 12.8 T 65.87 L 1.214

C03 170 F 4658 V 1.408 W 13.08 T 72.4 L 1.257

C04 174 F 4671 V 1.408 W 12.57 T 70.59 L 1.222

C05 158 F 3387 V 1.408 W 10.06 T 70.68 L 1.194

C06 162 F 4689 V 1.408 W 12.66 T 71.68 L 1.273

C07 150 F 380 V 1.408 W 0.78 T 41.51 L 0.954

C08 141 F 94 V 1.408 W 0.35 T 35.64 L 0.921

C09 133 F 202 V 1.408 W 0.66 T 42.22 L 0.947

C10 145 F 26 V 1.408 W 0.12 T 35.9 L 0.919

C11 137 F 38 V 1.408 W 0.11 T 40.92 L 0.924

C12 154 F 218 V 1.408 W 0.5 T 38.12 L 0.934

Vdroop: 2.59%

4625 - PASSED

4650 - PASSED

4675 - PASSED

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

22:11:58: Cinebench stopped!

PX LOW sub-profile

CPU usage(min): 24.5%

CPU usage(avg): 25.01%

CPU usage(max): 26.6%

SAFE: 4775MHz

FAST: 4850MHz

Max CPU usage for PX LOW: 29%

22:11:58: Test 3 finished!

Phoenix ready!

Cinebench R20 started

Cinebench R20 finished with result: 8140

Voltage: 1.212 V PPT: 136.8 W Temperature: 66.4°

DRAM must be overclocked and stable!

Otherwise the profile creation process will crash

22:13:04: Test 1 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 276 V 1.445 W 2.59 T 43.36 L 0.956

C02 174 F 4666 V 1.445 W 13.32 T 67.26 L 1.231  
C03 170 F 1932 V 1.445 W 5.8 T 54.14 L 1.087  
C04 174 F 4681 V 1.445 W 13.33 T 67.43 L 1.228  
C05 158 F 404 V 1.445 W 2.67 T 46.32 L 0.977  
C06 162 F 214 V 1.445 W 2.09 T 48.14 L 0.954  
C07 150 F 390 V 1.445 W 1.6 T 43.36 L 0.986  
C08 141 F 264 V 1.445 W 1.52 T 39.55 L 0.958  
C09 133 F 1776 V 1.445 W 4.41 T 50.4 L 1.18  
C10 145 F 272 V 1.445 W 1.38 T 39.97 L 0.95  
C11 137 F 230 V 1.445 W 1.48 T 43.4 L 0.964  
C12 154 F 187 V 1.445 W 1.39 T 40.17 L 0.948

Vdroop: 0.95%

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

4800 - PASSED

4825 - PASSED

4850 - PASSED

4875 - PASSED

4900 - PASSED

22:13:32: Cinebench stopped!

PX HIGH sub-profile

CPU usage(min): 8.9%

CPU usage(avg): 12.42%

CPU usage(max): 19.9%

SAFE: 4900MHz

FAST: 4950MHz

22:13:32: Test 1 finished!

22:13:32: Test 2 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 4206 V 1.427 W 11.32 T 64.96 L 1.263

C02 174 F 4720 V 1.427 W 13.45 T 68.11 L 1.252

C03 170 F 4738 V 1.427 W 12.99 T 68.16 L 1.284

C04 174 F 4699 V 1.427 W 12.72 T 68.02 L 1.245

C05 158 F 216 V 1.427 W 0.67 T 48.19 L 0.959

C06 162 F 456 V 1.427 W 2.55 T 51.39 L 0.981

C07 150 F 238 V 1.427 W 0.44 T 40.98 L 0.946

C08 141 F 80 V 1.427 W 0.42 T 37.2 L 0.925

C09 133 F 274 V 1.427 W 1.32 T 43.07 L 0.96

C10 145 F 58 V 1.427 W 1.12 T 38.9 L 0.921

C11 137 F 132 V 1.427 W 0.35 T 41.1 L 0.935

C12 154 F 84 V 1.427 W 0.44 T 38.28 L 0.923

Vdroop: 1.31%

4675 - PASSED

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

4800 - PASSED

4825 - PASSED

22:13:59: Cinebench stopped!

PX MID sub-profile

CPU usage(min): 16.7%

CPU usage(avg): 17.39%

CPU usage(max): 34.9%

SAFE: 4825MHz

FAST: 4875MHz

Max CPU usage for PX MID: 20%

22:14:00: Test 2 finished!

22:14:00: Test 3 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4660	V 1.4	W 12.46	T 67.32	L 1.252
C02	174	F 4666	V 1.4	W 11.96	T 65.48	L 1.204
C03	170	F 4658	V 1.4	W 12.69	T 73.46	L 1.25
C04	174	F 4667	V 1.4	W 12.51	T 71.88	L 1.216
C05	158	F 4136	V 1.4	W 11.77	T 74.15	L 1.242
C06	162	F 4672	V 1.4	W 12.69	T 73.21	L 1.267
C07	150	F 80	V 1.4	W 0.26	T 41.34	L 0.922
C08	141	F 47	V 1.4	W 0.18	T 36.9	L 0.916
C09	133	F 340	V 1.4	W 0.96	T 44.28	L 0.966
C10	145	F 132	V 1.4	W 0.25	T 38.4	L 0.926
C11	137	F 84	V 1.4	W 0.25	T 42.84	L 0.929



C12 154 F 242 V 1.4 W 1.4 T 41.28 L 0.933

Vdroop: 1.93%

4600 - PASSED

4625 - PASSED

4650 - PASSED

4675 - PASSED

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

22:14:27: Cinebench stopped!

PX LOW sub-profile

CPU usage(min): 25%

CPU usage(avg): 26.39%

CPU usage(max): 29.8%

SAFE: 4775MHz

FAST: 4850MHz

Max CPU usage for PX LOW: 29%

22:14:27: Test 3 finished!

22:14:27: Test 4 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 4514 V 1.376 W 7.99 T 57.09 L 1.14

C02 174 F 4514 V 1.376 W 8.28 T 59.35 L 1.128

C03 170 F 4514 V 1.376 W 8.48 T 62.56 L 1.14

C04 174 F 4514 V 1.376 W 8.52 T 64.26 L 1.134  
C05 158 F 4514 V 1.376 W 8.38 T 63.28 L 1.15  
C06 162 F 4514 V 1.376 W 8.65 T 65.37 L 1.152  
C07 150 F 4514 V 1.376 W 6.96 T 56.92 L 1.219  
C08 141 F 4514 V 1.376 W 6.9 T 55.12 L 1.2  
C09 133 F 4514 V 1.376 W 7.22 T 61.82 L 1.264  
C10 145 F 4514 V 1.376 W 7.18 T 60.34 L 1.204  
C11 137 F 4514 V 1.376 W 7.32 T 62.62 L 1.248  
C12 154 F 4514 V 1.376 W 7.22 T 61.03 L 1.228

22:14:37: Stress test stopped.

Start VID 1275

Start FREQ CCX#1 4525

Start FREQ CCX#2 4300

Vdroop: 2.43%

4550 / 4325 - PASSED

4575 / 4350 - PASSED

4600 / 4375 - PASSED

4625 / 4400 - PASSED

4650 / 4425 - PASSED

4675 / 4450 - PASSED

4700 / 4475 - PASSED

4725 / 4500 - PASSED

4725 / 4525 - PASSED

P2 PROFILE

VID: 1275mV

CCX#1: 4725MHz

CCX#2: 4525MHz

22:14:43: Stress test stopped.

22:14:43: Test 4 finished!

22:14:43: Test 5 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4512	V 1.374	W 7.97	T 57.13	L 1.14
C02	174	F 4512	V 1.374	W 8.2	T 59.3	L 1.126
C03	170	F 4512	V 1.374	W 8.4	T 62.58	L 1.14
C04	174	F 4512	V 1.374	W 8.5	T 64.16	L 1.134
C05	158	F 4512	V 1.374	W 8.36	T 63.5	L 1.15
C06	162	F 4512	V 1.374	W 8.7	T 65.5	L 1.15
C07	150	F 4512	V 1.374	W 6.84	T 56.62	L 1.216
C08	141	F 4512	V 1.374	W 7.04	T 56.02	L 1.2
C09	133	F 4512	V 1.374	W 7.24	T 61.98	L 1.262
C10	145	F 4512	V 1.374	W 7.24	T 60.81	L 1.204
C11	137	F 4512	V 1.374	W 7.26	T 62.73	L 1.245
C12	154	F 4512	V 1.374	W 7.24	T 61.61	L 1.227

Start VID 1175

Start FREQ CCX#1 4350

Start FREQ CCX#2 4125

Vdroop: 2.13%

4375 / 4150 - PASSED

4400 / 4175 - PASSED

4425 / 4200 - PASSED

4450 / 4225 - PASSED

4475 / 4250 - PASSED

4500 / 4275 - PASSED

4525 / 4300 - PASSED

4550 / 4325 - PASSED

4575 / 4350 - PASSED

4575 / 4375 - PASSED

4575 / 4400 - PASSED

P1 PROFILE

VID: 1175mV

CCX#1: 4575MHz

CCX#2: 4400MHz

22:15:03: Stress test stopped.

Cinebench R20 started

Cinebench R20 finished with result: 8760

Voltage: 1.175 V PPT: 134.1 W Temperature: 67.8°

22:15:45: Test 5 finished!

CORES ORDER (from the best to the worst)

###	CPPC	VID	FIT
1	C04	C02	C06
2	C02	C04	C04
3	C03	C01	C05

4	C01	C03	C11
5	C06	C05	C03
6	C05	C06	C09
7	C12	C08	C12
8	C07	C10	C10
9	C10	C07	C02
10	C08	C12	C01
11	C11	C11	C07
12	C09	C09	C08

AVX light mode

Cycle time: 60000 ms

Reference frequency: 4375MHz

Reference voltage: 1187 mV

Voltage step: 6 mV

Manual overclocking mode enabled

22:15:52: Saving temporary settings...

22:15:57: CCX1 (158): 4375 MHz, 1187 mV

22:15:57: CCX2 (133): 4375 MHz, 1187 mV

22:15:57: Step# 1. Diagnostic VID: 1187 mV

22:15:57: Stress test 1 started...  
22:16:33: Stress test stopped.  
22:16:34: Stress test 2 started...  
22:17:09: Stress test stopped.  
22:17:10: Step# 2. Diagnostic VID: 1110 mV  
22:17:10: Stress test 1 started...  
22:17:45: Stress test stopped.  
22:17:46: Stress test 2 started...  
22:18:21: Stress test stopped.  
22:18:22: Step# 3. Diagnostic VID: 1104 mV  
22:18:22: Stress test 1 started...  
22:18:57: Stress test stopped.  
22:18:58: Stress test 2 started...  
22:19:33: Stress test stopped.  
22:19:35: Step# 4. Diagnostic VID: 1098 mV  
22:19:35: Stress test 1 started...  
22:20:10: Stress test stopped.  
22:20:11: Stress test 2 started...  
22:20:37: Thread# 12 fall down!  
22:20:37: Stress test stopped.  
22:20:40: Step# 5. Diagnostic VID: 1104 mV

## DIAGNOSTIC RESULTS

AMD Ryzen 9 5900X 12-Core Processor

CPU VID: 1104

CPU TEL: 1080

Max temperature: 65,5°

Energy efficient: 4,05

Your CPU is SILVER SAMPLE

Recomended CCX delta: 175

Theoretical maximum CCX delta: 200

Recomended values for overclocking (P1 profile):

Reference voltage: 1175 mV

Reference frequency: 4425 MHz

Recomended values for overclocking (P2 profile):

Reference voltage: 1275 mV

Reference frequency: 4575 MHz

Recomended values for undervolting:

Reference voltage: 1000 mV

Reference frequency: 4075 MHz

Phoenix deactivated!

Phoenix ready!

AVX Light mode

Cycle time: 240000 ms

Reference frequency: 4425 MHz

CCX delta: 175 MHz

Reference voltage: 1175 mV

Target voltage: 1175 mV

Manual overclocking mode enabled

22:21:47: Saving temporary settings...

Step# 1

22:21:52: WHEA-counter: 2

22:21:52: CCX1 (158): 4425 MHz, 1175 mV OC+

22:21:52: CCX2 (133): 4600 MHz, 1175 mV OC+

22:21:53: Stress test #1 started...

22:21:57: CPU Vdroop: 2,1 % temperature: 49,9°

22:21:58: CCX2 overclocking failure detected!

22:21:58: Thread# 12 fall down!

22:21:58: Stress test stopped.

Step# 2

22:22:00: WHEA-counter: 2

22:22:00: CCX1 (158): 4425 MHz, 1175 mV OC+

22:22:00: CCX2 (133): 4575 MHz, 1175 mV OC=

22:22:01: Stress test #1 started...

22:22:05: CPU Vdroop: 2,1 % temperature: 49,9°

22:22:27: CCX2 overclocking failure detected!

22:22:27: Thread# 16 fall down!



22:22:27: Stress test stopped.

### Step# 3

22:22:29: WHEA-counter: 2

22:22:29: CCX1 (158): 4425 MHz, 1175 mV OC+

22:22:29: CCX2 (133): 4550 MHz, 1175 mV OC=

22:22:30: Stress test #1 started...

22:22:35: CPU Vdroop: 2,1 % temperature: 50,4°

22:23:36: Stress test stopped.

22:23:37: Stress test #2 started...

22:23:42: CPU Vdroop: 2,1 % temperature: 50,6°

22:24:43: Stress test stopped.

22:24:44: Stress test #3 started...

22:24:48: CPU Vdroop: 2,1 % temperature: 50,7°

22:25:49: Stress test stopped.

22:25:50: Stress test #4 started...

22:25:55: CPU Vdroop: 2,1 % temperature: 51°

22:26:56: Stress test stopped.

### Step# 4

22:26:57: WHEA-counter: 2

22:26:57: CCX1 (158): 4425 MHz, 1169 mV OC+

22:26:57: CCX2 (133): 4550 MHz, 1169 mV OC=

22:26:58: Stress test #1 started...

22:27:03: CPU Vdroop: 2,1 % temperature: 51,9°

22:27:12: CCX2 overclocking failure detected!

22:27:12: Thread# 12 fall down!

22:27:12: Stress test stopped.

#### Step# 5

22:27:14: WHEA-counter: 2

22:27:14: CCX1 (158): 4425 MHz, 1169 mV OC+

22:27:14: CCX2 (133): 4525 MHz, 1169 mV OC=

22:27:15: Stress test #1 started...

22:27:19: CPU Vdroop: 2,1 % temperature: 51,9°

22:28:20: Stress test stopped.

22:28:22: Stress test #2 started...

22:28:26: CPU Vdroop: 2,1 % temperature: 50,6°

22:29:27: Stress test stopped.

22:29:28: Stress test #3 started...

22:29:32: CPU Vdroop: 2,1 % temperature: 51°

22:30:34: Stress test stopped.

22:30:36: Stress test #4 started...

22:30:40: CPU Vdroop: 2,1 % temperature: 50,8°

22:31:41: Stress test stopped.

#### Step# 6

22:31:42: WHEA-counter: 2

22:31:42: CCX1 (158): 4450 MHz, 1175 mV OC+

22:31:42: CCX2 (133): 4525 MHz, 1175 mV OC=

22:31:43: Stress test #1 started...  
22:31:47: CPU Vdroop: 2,1 % temperature: 51,6°  
22:32:50: Stress test stopped.  
22:32:52: Stress test #2 started...  
22:32:56: CPU Vdroop: 2,1 % temperature: 51,3°  
22:33:47: CCX2 overclocking failure detected!  
22:33:47: Thread# 12 fall down!  
22:33:47: Stress test stopped.

#### Step# 7

22:33:49: WHEA-counter: 2  
22:33:49: CCX1 (158): 4450 MHz, 1175 mV OC+  
22:33:49: CCX2 (133): 4500 MHz, 1175 mV OC=  
22:33:50: Stress test #1 started...  
22:33:54: CPU Vdroop: 2,1 % temperature: 52,1°  
22:34:55: Stress test stopped.  
22:34:57: Stress test #2 started...  
22:35:01: CPU Vdroop: 2,1 % temperature: 51,2°  
22:36:02: Stress test stopped.  
22:36:03: Stress test #3 started...  
22:36:07: CPU Vdroop: 2,1 % temperature: 51,1°  
22:37:08: Stress test stopped.  
22:37:10: Stress test #4 started...  
22:37:14: CPU Vdroop: 2,1 % temperature: 51°  
22:38:15: Stress test stopped.

#### Step# 8

22:38:16: WHEA-counter: 2

22:38:16: CCX1 (158): 4450 MHz, 1169 mV OC+

22:38:16: CCX2 (133): 4500 MHz, 1169 mV OC=

22:38:17: Stress test #1 started...

22:38:21: CPU Vdroop: 2,1 % temperature: 51,5°

22:39:22: Stress test stopped.

22:39:23: Stress test #2 started...

22:39:28: CPU Vdroop: 2,1 % temperature: 50,8°

22:40:28: Stress test stopped.

22:40:30: Stress test #3 started...

22:40:34: CPU Vdroop: 2,1 % temperature: 50,4°

22:41:35: Stress test stopped.

22:41:37: Stress test #4 started...

22:41:41: CPU Vdroop: 2,1 % temperature: 50,8°

22:42:42: Stress test stopped.

#### Step# 9

22:42:43: WHEA-counter: 2

22:42:43: CCX1 (158): 4475 MHz, 1175 mV OC+

22:42:43: CCX2 (133): 4500 MHz, 1175 mV OC=

22:42:44: Stress test #1 started...

22:42:48: CPU Vdroop: 2,1 % temperature: 51,9°

22:43:49: Stress test stopped.

22:43:50: Stress test #2 started...

22:43:55: CPU Vdroop: 2,1 % temperature: 51,1°

22:44:55: Stress test stopped.

22:44:57: Stress test #3 started...

22:45:01: CPU Vdroop: 2,1 % temperature: 50,8°

22:46:02: Stress test stopped.

22:46:04: Stress test #4 started...

22:46:08: CPU Vdroop: 2,1 % temperature: 50,8°

22:47:09: Stress test stopped.

Step# 10

22:47:10: WHEA-counter: 2

22:47:10: CCX1 (158): 4475 MHz, 1169 mV OC+

22:47:10: CCX2 (133): 4500 MHz, 1169 mV OC=

22:47:11: Stress test #1 started...

22:47:15: CPU Vdroop: 2,1 % temperature: 51,8°

22:48:16: Stress test stopped.

22:48:17: Stress test #2 started...

22:48:22: CPU Vdroop: 2,1 % temperature: 51°

22:49:23: Stress test stopped.

22:49:24: Stress test #3 started...

22:49:28: CPU Vdroop: 2,1 % temperature: 50,7°

22:50:29: Stress test stopped.

22:50:31: Stress test #4 started...

22:50:35: CPU Vdroop: 2,1 % temperature: 50,9°

22:51:36: Stress test stopped.

#### Step# 11

22:51:37: WHEA-counter: 2

22:51:37: CCX1 (158): 4500 MHz, 1175 mV OC+

22:51:37: CCX2 (133): 4500 MHz, 1175 mV OC=

22:51:38: Stress test #1 started...

22:51:42: CPU Vdroop: 2,1 % temperature: 51,9°

22:52:43: Stress test stopped.

22:52:45: Stress test #2 started...

22:52:49: CPU Vdroop: 2,1 % temperature: 50,8°

22:53:50: Stress test stopped.

22:53:52: Stress test #3 started...

22:53:56: CPU Vdroop: 2,1 % temperature: 50,7°

22:54:57: Stress test stopped.

22:54:58: Stress test #4 started...

22:55:03: CPU Vdroop: 2,1 % temperature: 51°

22:56:03: Stress test stopped.

#### Step# 12

22:56:04: WHEA-counter: 2

22:56:04: CCX1 (158): 4500 MHz, 1169 mV OC+

22:56:04: CCX2 (133): 4500 MHz, 1169 mV OC=

22:56:05: Stress test #1 started...

22:56:10: CPU Vdroop: 2,1 % temperature: 51,3°

22:57:11: Stress test stopped.  
22:57:12: Stress test #2 started...  
22:57:16: CPU Vdroop: 2,1 % temperature: 50,5°  
22:58:17: Stress test stopped.  
22:58:19: Stress test #3 started...  
22:58:23: CPU Vdroop: 2,1 % temperature: 50,5°  
22:59:24: Stress test stopped.  
22:59:25: Stress test #4 started...  
22:59:30: CPU Vdroop: 2,1 % temperature: 50,7°  
23:00:32: Stress test stopped.

#### Step# 13

23:00:33: WHEA-counter: 2  
23:00:33: CCX1 (158): 4525 MHz, 1175 mV OC+  
23:00:33: CCX2 (133): 4500 MHz, 1175 mV OC=  
23:00:34: Stress test #1 started...  
23:00:38: CPU Vdroop: 2,1 % temperature: 51,8°  
23:01:39: Stress test stopped.  
23:01:41: Stress test #2 started...  
23:01:45: CPU Vdroop: 2,1 % temperature: 51°  
23:02:46: Stress test stopped.  
23:02:48: Stress test #3 started...  
23:02:52: CPU Vdroop: 2,1 % temperature: 50,7°  
23:03:53: Stress test stopped.  
23:03:54: Stress test #4 started...

23:03:58: CPU Vdroop: 2,1 % temperature: 50,4°

23:04:59: Stress test stopped.

#### Step# 14

23:05:00: WHEA-counter: 2

23:05:00: CCX1 (158): 4525 MHz, 1169 mV OC+

23:05:00: CCX2 (133): 4500 MHz, 1169 mV OC=

23:05:01: Stress test #1 started...

23:05:06: CPU Vdroop: 2,1 % temperature: 51,3°

23:06:06: Stress test stopped.

23:06:08: Stress test #2 started...

23:06:12: CPU Vdroop: 2,1 % temperature: 50,6°

23:07:13: Stress test stopped.

23:07:14: Stress test #3 started...

23:07:19: CPU Vdroop: 2,1 % temperature: 50,4°

23:08:20: Stress test stopped.

23:08:21: Stress test #4 started...

23:08:25: CPU Vdroop: 2,1 % temperature: 50°

23:09:26: Stress test stopped.

#### Step# 15

23:09:27: WHEA-counter: 2

23:09:27: CCX1 (158): 4550 MHz, 1175 mV OC+

23:09:27: CCX2 (133): 4500 MHz, 1175 mV OC=

23:09:28: Stress test #1 started...



23:09:33: CPU Vdroop: 2,1 % temperature: 51,8°

23:10:34: Stress test stopped.

23:10:35: Stress test #2 started...

23:10:39: CPU Vdroop: 2,1 % temperature: 51°

23:11:40: Stress test stopped.

23:11:42: Stress test #3 started...

23:11:46: CPU Vdroop: 2,1 % temperature: 50,7°

23:12:47: Stress test stopped.

23:12:48: Stress test #4 started...

23:12:53: CPU Vdroop: 2,1 % temperature: 50,3°

23:13:54: Stress test stopped.

Step# 16

23:13:55: WHEA-counter: 2

23:13:55: CCX1 (158): 4550 MHz, 1169 mV OC+

23:13:55: CCX2 (133): 4500 MHz, 1169 mV OC=

23:13:56: Stress test #1 started...

23:14:00: CPU Vdroop: 2,1 % temperature: 50,8°

23:15:01: Stress test stopped.

23:15:02: Stress test #2 started...

23:15:07: CPU Vdroop: 2,1 % temperature: 50,7°

23:16:07: Stress test stopped.

23:16:09: Stress test #3 started...

23:16:13: CPU Vdroop: 2,1 % temperature: 50,7°

23:17:14: Stress test stopped.

23:17:15: Stress test #4 started...

23:17:19: CPU Vdroop: 2,1 % temperature: 50,3°

23:18:20: Stress test stopped.

#### Step# 17

23:18:22: WHEA-counter: 2

23:18:22: CCX1 (158): 4575 MHz, 1175 mV OC+

23:18:22: CCX2 (133): 4500 MHz, 1175 mV OC=

23:18:23: Stress test #1 started...

23:18:27: CPU Vdroop: 2,1 % temperature: 51,7°

23:19:28: Stress test stopped.

23:19:29: Stress test #2 started...

23:19:34: CPU Vdroop: 2,1 % temperature: 51°

23:20:35: Stress test stopped.

23:20:36: Stress test #3 started...

23:20:40: CPU Vdroop: 2,1 % temperature: 50,9°

23:21:41: Stress test stopped.

23:21:43: Stress test #4 started...

23:21:47: CPU Vdroop: 2,1 % temperature: 51°

23:22:48: Stress test stopped.

#### Step# 18

23:22:49: WHEA-counter: 2

23:22:49: CCX1 (158): 4575 MHz, 1169 mV OC+

23:22:49: CCX2 (133): 4500 MHz, 1169 mV OC=

23:22:50: Stress test #1 started...  
23:22:54: CPU Vdroop: 2,1 % temperature: 51,2°  
23:23:55: Stress test stopped.  
23:23:57: Stress test #2 started...  
23:24:01: CPU Vdroop: 2,1 % temperature: 50,6°  
23:25:02: Stress test stopped.  
23:25:03: Stress test #3 started...  
23:25:08: CPU Vdroop: 2,1 % temperature: 50,4°  
23:26:09: Stress test stopped.  
23:26:10: Stress test #4 started...  
23:26:14: CPU Vdroop: 2,1 % temperature: 50,1°  
23:27:15: Stress test stopped.

#### Step# 19

23:27:16: WHEA-counter: 2  
23:27:16: CCX1 (158): 4600 MHz, 1175 mV OC+  
23:27:16: CCX2 (133): 4500 MHz, 1175 mV OC=  
23:27:17: Stress test #1 started...  
23:27:22: CPU Vdroop: 2,1 % temperature: 51,5°  
23:28:22: Stress test stopped.  
23:28:24: Stress test #2 started...  
23:28:28: CPU Vdroop: 2,1 % temperature: 50,6°  
23:29:29: Stress test stopped.  
23:29:31: Stress test #3 started...  
23:29:35: CPU Vdroop: 2,1 % temperature: 50,5°

23:30:36: Stress test stopped.

23:30:37: Stress test #4 started...

23:30:42: CPU Vdroop: 2,1 % temperature: 50,8°

23:31:43: Stress test stopped.

#### Step# 20

23:31:44: WHEA-counter: 2

23:31:44: CCX1 (158): 4600 MHz, 1169 mV OC+

23:31:44: CCX2 (133): 4500 MHz, 1169 mV OC=

23:31:45: Stress test #1 started...

23:31:49: CPU Vdroop: 2,1 % temperature: 51,2°

23:32:50: Stress test stopped.

23:32:51: Stress test #2 started...

23:32:55: CPU Vdroop: 2,1 % temperature: 50,3°

23:33:56: Stress test stopped.

23:33:58: Stress test #3 started...

23:34:02: CPU Vdroop: 2,1 % temperature: 50,2°

23:35:03: Stress test stopped.

23:35:05: Stress test #4 started...

23:35:09: CPU Vdroop: 2,1 % temperature: 50,2°

23:36:10: Stress test stopped.

#### Step# 21

23:36:11: WHEA-counter: 2

23:36:11: CCX1 (158): 4625 MHz, 1175 mV OC+

23:36:11: CCX2 (133): 4500 MHz, 1175 mV OC=  
23:36:12: Stress test #1 started...  
23:36:16: CPU Vdroop: 2,1 % temperature: 51,6°  
23:37:17: Stress test stopped.  
23:37:19: Stress test #2 started...  
23:37:23: CPU Vdroop: 2,1 % temperature: 50,8°  
23:38:24: Stress test stopped.  
23:38:25: Stress test #3 started...  
23:38:30: CPU Vdroop: 2,1 % temperature: 50,3°  
23:39:31: Stress test stopped.  
23:39:32: Stress test #4 started...  
23:39:36: CPU Vdroop: 2,1 % temperature: 50,2°  
23:40:37: Stress test stopped.

#### Step# 22

23:40:38: WHEA-counter: 2  
23:40:38: CCX1 (158): 4625 MHz, 1169 mV OC+  
23:40:38: CCX2 (133): 4500 MHz, 1169 mV OC=  
23:40:39: Stress test #1 started...  
23:40:44: CPU Vdroop: 2,1 % temperature: 51,1°  
23:41:27: CCX1 overclocking failure detected!  
23:41:27: Thread# 6 fall down!  
23:41:27: Stress test stopped.

#### Step# 23

23:41:29: WHEA-counter: 2

23:41:29: CCX1 (158): 4600 MHz, 1169 mV OC=

23:41:29: CCX2 (133): 4500 MHz, 1169 mV OC=

23:41:30: Stress test #1 started...

23:41:34: CPU Vdroop: 2,1 % temperature: 51,2°

23:42:35: Stress test stopped.

23:42:37: Stress test #2 started...

23:42:41: CPU Vdroop: 2,1 % temperature: 50,5°

23:43:42: Stress test stopped.

23:43:44: Stress test #3 started...

23:43:48: CPU Vdroop: 2,1 % temperature: 50°

23:44:49: Stress test stopped.

23:44:51: Stress test #4 started...

23:44:55: CPU Vdroop: 2,1 % temperature: 50°

23:45:57: Stress test stopped.

Penalties for the final profile: level 2

23:45:58: CCX1 (158): 4550 MHz, 1181 mV OC=

23:45:58: CCX2 (133): 4450 MHz, 1181 mV OC=

Cinebench R20 started

Cinebench R20 finished with result: 8754

Voltage: 1.181 V PPT: 134.4 W Temperature: 65.2°

Phoenix deactivated!

23:50:19: Stability check!

23:51:37: Stress test stopped.

Profile PX successfully saved!

DRAM must be overclocked and stable!

Otherwise the profile creation process will crash

23:51:54: Test 4 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4529	V 1.38	W 7.9	T 54.09	L 1.14
C02	174	F 4529	V 1.38	W 8.16	T 56.4	L 1.127
C03	170	F 4529	V 1.38	W 8.3	T 59.59	L 1.14
C04	174	F 4529	V 1.38	W 8.45	T 61.44	L 1.133
C05	158	F 4529	V 1.38	W 8.29	T 60.51	L 1.15
C06	162	F 4529	V 1.38	W 8.5	T 62.34	L 1.15
C07	150	F 4529	V 1.38	W 6.96	T 53.94	L 1.222
C08	141	F 4529	V 1.38	W 7.08	T 52.86	L 1.205
C09	133	F 4529	V 1.38	W 7.25	T 59.3	L 1.268
C10	145	F 4529	V 1.38	W 7.25	T 57.9	L 1.211
C11	137	F 4529	V 1.38	W 7.25	T 59.79	L 1.252
C12	154	F 4529	V 1.38	W 7.29	T 58.53	L 1.232

23:52:02: Stress test stopped.

Start VID 1275

Start FREQ CCX#1 4550

Start FREQ CCX#2 4325

Vdroop: 2.43%

4575 / 4350 - PASSED

4600 / 4375 - PASSED

4625 / 4400 - PASSED

4650 / 4425 - PASSED

4675 / 4450 - PASSED

4700 / 4475 - PASSED

4725 / 4500 - PASSED

4725 / 4525 - PASSED

P2 PROFILE

VID: 1275mV

CCX#1: 4725MHz

CCX#2: 4525MHz

23:52:08: Stress test stopped.

23:52:08: Test 4 finished!

DRAM must be overclocked and stable!

Otherwise the profile creation process will crash

23:52:18: Test 5 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 4530 V 1.381 W 7.91 T 54.19 L 1.14

C02 174 F 4530 V 1.381 W 8.12 T 56.25 L 1.126

C03 170 F 4530 V 1.381 W 8.56 T 59.71 L 1.14

C04 174 F 4530 V 1.381 W 8.45 T 61.39 L 1.132

C05 158 F 4530 V 1.381 W 8.19 T 60.16 L 1.15

C06 162 F 4530 V 1.381 W 8.45 T 62.16 L 1.15



C07 150 F 4530 V 1.381 W 6.99 T 53.91 L 1.223  
C08 141 F 4530 V 1.381 W 7.16 T 52.8 L 1.207  
C09 133 F 4530 V 1.381 W 7.2 T 58.95 L 1.268  
C10 145 F 4530 V 1.381 W 7.24 T 57.66 L 1.212  
C11 137 F 4530 V 1.381 W 7.35 T 59.82 L 1.252  
C12 154 F 4530 V 1.381 W 7.24 T 58.32 L 1.233

Start VID 1175

Start FREQ CCX#1 4350

Start FREQ CCX#2 4125

Vdroop: 2.13%

4375 / 4150 - PASSED

4400 / 4175 - PASSED

4425 / 4200 - PASSED

4450 / 4225 - PASSED

4475 / 4250 - PASSED

4500 / 4275 - PASSED

4525 / 4300 - PASSED

4550 / 4325 - PASSED

4575 / 4350 - PASSED

4575 / 4375 - PASSED

4575 / 4400 - PASSED

P1 PROFILE

VID: 1175mV

CCX#1: 4575MHz

CCX#2: 4400MHz

23:52:36: Stress test stopped.

23:52:36: Test 5 finished!

Profile PX successfully saved!

P2 PROFILE successfully filled and saved!

P1 PROFILE successfully saved!

Hybrid OC. PX PROFILE successfully activated!

Hybrid OC. P2 PROFILE successfully activated!

Hybrid OC. P1 PROFILE successfully activated!

23:53:52: Boost testing started!

23:55:07: Boost testing finished!

23:55:07: Cinebench stopped!

#### CTR BOOST TESTER RESULTS (test version)

CORE / FREQUENCY / VID / POWER / TEMP

C01 F 3700 V 1.1 W 4.93 T 41.69

C02 F 3700 V 1.1 W 4.97 T 41.06

C03 F 3700 V 1.1 W 5.04 T 41.43

C04 F 3700 V 1.1 W 5.04 T 40.7

C05 F 3700 V 1.1 W 5.01 T 41.62

C06 F 3700 V 1.1 W 4.97 T 41.46

C07 F 3700 V 1.1 W 4.84 T 39.36

C08 F 3700 V 1.1 W 4.57 T 38.61

C09 F 3700 V 1.1 W 4.6 T 38.56  
C10 F 3700 V 1.1 W 4.72 T 39.24  
C11 F 3700 V 1.1 W 4.53 T 39.18  
C12 F 3700 V 1.1 W 4.55 T 39.66

#### CPU TOPOLOGY (ENABLED CORES)

CCX#1 C01

CCX#1 C02

CCX#1 C05

CCX#1 C06

CCX#1 C07

CCX#1 C08

CCX#2 C09

CCX#2 C10

CCX#2 C13

CCX#2 C14

CCX#2 C15

CCX#2 C16

DRAM must be overclocked and stable!

Otherwise the profile creation process will crash

23:57:27: Test 1 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 244 V 1.136 W 0.32 T 31.88 L 0.927

C02	174	F 56	V 1.136	W 0.06	T 30.63	L 0.911
C03	170	F 42	V 1.136	W 0.06	T 30.77	L 0.908
C04	174	F 73	V 1.136	W 0.15	T 30.68	L 0.909
C05	158	F 46	V 1.136	W 0.06	T 30.91	L 0.913
C06	162	F 50	V 1.136	W 0.11	T 30.72	L 0.911
C07	150	F 160	V 1.136	W 0.28	T 30.84	L 0.938
C08	141	F 395	V 1.136	W 0.52	T 31.85	L 0.952
C09	133	F 224	V 1.136	W 0.62	T 31.04	L 0.96
C10	145	F 202	V 1.136	W 0.3	T 31.38	L 0.939
C11	137	F 178	V 1.136	W 0.28	T 30.9	L 0.938
C12	154	F 220	V 1.136	W 0.42	T 31.49	L 0.942

Vdroop: 53.67%

PX HIGH sub-profile

CPU usage(min): 0%

CPU usage(avg): 2%

CPU usage(max): 6.3%

SAFE: 4000MHz

FAST: 4050MHz

23:57:51: Test 1 finished!

23:57:51: Test 2 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4638	V 1.44	W 12.6	T 62.24	L 1.304
C02	174	F 4746	V 1.44	W 12.64	T 62.4	L 1.252
C03	170	F 4764	V 1.44	W 12.84	T 63.39	L 1.293

C04 174 F 4750 V 1.44 W 12.78 T 62.68 L 1.25  
C05 158 F 90 V 1.44 W 0.32 T 42.12 L 0.953  
C06 162 F 481 V 1.44 W 2.07 T 46 L 0.979  
C07 150 F 148 V 1.44 W 0.26 T 35.8 L 0.928  
C08 141 F 110 V 1.44 W 0.27 T 31.86 L 0.922  
C09 133 F 300 V 1.44 W 1.21 T 38.29 L 0.957  
C10 145 F 60 V 1.44 W 0.1 T 31.89 L 0.915  
C11 137 F 198 V 1.44 W 1.27 T 37.45 L 0.934  
C12 154 F 30 V 1.44 W 0.11 T 31.77 L 0.917

Vdroop: 1.31%

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

4800 - PASSED

4825 - PASSED

4850 - PASSED

23:58:19: Cinebench stopped!

PX MID sub-profile

CPU usage(min): 16.3%

CPU usage(avg): 17.26%

CPU usage(max): 21.9%

SAFE: 4850MHz

FAST: 4900MHz

Max CPU usage for PX MID: 20%

23:58:19: Test 2 finished!

23:58:19: Test 3 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4708	V 1.416	W 12.24	T 62.68	L 1.266
C02	174	F 4712	V 1.416	W 13.44	T 64.97	L 1.226
C03	170	F 4712	V 1.416	W 12.66	T 67.73	L 1.262
C04	174	F 4686	V 1.416	W 12.96	T 68.72	L 1.232
C05	158	F 3244	V 1.416	W 9.27	T 63.6	L 1.182
C06	162	F 4435	V 1.416	W 12.26	T 69.2	L 1.265
C07	150	F 102	V 1.416	W 0.24	T 37.62	L 0.931
C08	141	F 80	V 1.416	W 0.2	T 33.01	L 0.918
C09	133	F 268	V 1.416	W 0.92	T 40.18	L 0.958
C10	145	F 137	V 1.416	W 0.26	T 34.69	L 0.927
C11	137	F 167	V 1.416	W 0.32	T 39.15	L 0.939
C12	154	F 358	V 1.416	W 1.58	T 38.23	L 0.95

Vdroop: 1.85%

4650 - PASSED

4675 - PASSED

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

23:58:46: Cinebench stopped!

PX LOW sub-profile

CPU usage(min): 24.6%

CPU usage(avg): 26.34%

CPU usage(max): 29.3%

SAFE: 4775MHz

FAST: 4850MHz

Max CPU usage for PX LOW: 29%

23:58:46: Test 3 finished!

Hybrid OC. PX PROFILE successfully activated!

DRAM must be overclocked and stable!

Otherwise the profile creation process will crash

23:59:38: Test 1 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 140 V 1.469 W 0.35 T 34.2 L 0.968

C02 174 F 4891 V 1.469 W 14.34 T 63.49 L 1.351

C03 170 F 244 V 1.469 W 0.86 T 36.71 L 0.974

C04 174 F 4798 V 1.469 W 13.85 T 63.2 L 1.342

C05 158 F 117 V 1.469 W 0.34 T 34.75 L 0.969

C06 162 F 204 V 1.469 W 0.51 T 41.67 L 0.98

C07 150 F 38 V 1.469 W 0.14 T 35.02 L 0.921

C08 141 F 38 V 1.469 W 0.15 T 31.69 L 0.918

C09 133 F 184 V 1.469 W 0.64 T 36.58 L 0.954

C10 145 F 194 V 1.469 W 0.38 T 33.93 L 0.936

C11 137 F 86 V 1.469 W 0.26 T 35.17 L 0.929

C12 154 F 336 V 1.469 W 1.52 T 36.08 L 0.948

Vdroop: 0.51%

4775 - PASSED

4800 - PASSED

4825 - PASSED

4850 - PASSED

4875 - PASSED

4900 - PASSED

4925 - PASSED

4950 - PASSED

00:00:06: Cinebench stopped!

PX HIGH sub-profile

CPU usage(min): 8.3%

CPU usage(avg): 11.29%

CPU usage(max): 15.7%

SAFE: 4950MHz

FAST: 5000MHz

00:00:06: Test 1 finished!

00:00:06: Test 2 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 4379 V 1.441 W 11.98 T 61.59 L 1.281

C02 174 F 4744 V 1.441 W 13.14 T 63.68 L 1.256

C03 170 F 4740 V 1.441 W 12.83 T 63.68 L 1.293

C04 174 F 4760 V 1.441 W 12.96 T 63.56 L 1.253

C05 158 F 176 V 1.441 W 0.81 T 43.71 L 0.962



C06 162 F 382 V 1.441 W 1.51 T 45.18 L 0.98  
C07 150 F 326 V 1.441 W 0.96 T 37.79 L 0.958  
C08 141 F 193 V 1.441 W 0.54 T 33.45 L 0.938  
C09 133 F 406 V 1.441 W 1.46 T 38.74 L 0.978  
C10 145 F 56 V 1.441 W 0.34 T 33.39 L 0.923  
C11 137 F 99 V 1.441 W 0.48 T 36.52 L 0.93  
C12 154 F 122 V 1.441 W 1.18 T 34.84 L 0.93

Vdroop: 1.38%

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

4800 - PASSED

4825 - PASSED

4850 - PASSED

00:00:34: Cinebench stopped!

PX MID sub-profile

CPU usage(min): 16.7%

CPU usage(avg): 17.1%

CPU usage(max): 22.5%

SAFE: 4850MHz

FAST: 4900MHz

Max CPU usage for PX MID: 20%

00:00:34: Test 2 finished!

00:00:34: Test 3 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4690	V 1.412	W 12.16	T 63.48	L 1.258
C02	174	F 4682	V 1.412	W 11.94	T 62.98	L 1.212
C03	170	F 4700	V 1.412	W 12.57	T 69.91	L 1.258
C04	174	F 4697	V 1.412	W 12.47	T 68.13	L 1.222
C05	158	F 4618	V 1.412	W 12.49	T 71.37	L 1.281
C06	162	F 4692	V 1.412	W 12.55	T 69.66	L 1.274
C07	150	F 206	V 1.412	W 0.42	T 38.22	L 0.936
C08	141	F 184	V 1.412	W 0.36	T 33.72	L 0.933
C09	133	F 335	V 1.412	W 1.29	T 41.47	L 0.964
C10	145	F 88	V 1.412	W 0.16	T 33.85	L 0.92
C11	137	F 135	V 1.412	W 1.18	T 40.98	L 0.934
C12	154	F 183	V 1.412	W 0.52	T 35.46	L 0.93

Vdroop: 1.85%

4625 - PASSED

4650 - PASSED

4675 - PASSED

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

00:01:01: Cinebench stopped!

PX LOW sub-profile

CPU usage(min): 24.9%

CPU usage(avg): 26.7%

CPU usage(max): 33.5%

SAFE: 4775MHz

FAST: 4850MHz

Max CPU usage for PX LOW: 29%

00:01:02: Test 3 finished!

Profile PX successfully saved!

DRAM must be overclocked and stable!

Otherwise the profile creation process will crash

00:01:53: Test 4 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 4541 V 1.386 W 7.72 T 51.41 L 1.141

C02 174 F 4541 V 1.386 W 8.21 T 54.02 L 1.126

C03 170 F 4541 V 1.386 W 8.34 T 57.29 L 1.14

C04 174 F 4541 V 1.386 W 8.4 T 59.12 L 1.132

C05 158 F 4541 V 1.386 W 8.3 T 58.32 L 1.152

C06 162 F 4541 V 1.386 W 8.54 T 60.2 L 1.152

C07 150 F 4541 V 1.386 W 6.9 T 51.49 L 1.225

C08 141 F 4541 V 1.386 W 7.05 T 50.3 L 1.209

C09 133 F 4541 V 1.386 W 7.42 T 57.04 L 1.272

C10 145 F 4541 V 1.386 W 7.26 T 55.25 L 1.215

C11 137 F 4541 V 1.386 W 7.24 T 57.41 L 1.254

C12 154 F 4541 V 1.386 W 7.2 T 55.76 L 1.235

00:02:00: Stress test stopped.

Start VID 1181

Start FREQ CCX#1 4375

Start FREQ CCX#2 4125

Vdroop: 2.12%

4400 / 4150 - PASSED

4425 / 4175 - PASSED

4450 / 4200 - PASSED

4475 / 4225 - PASSED

4500 / 4250 - PASSED

4525 / 4275 - PASSED

4550 / 4300 - PASSED

4575 / 4325 - PASSED

4600 / 4350 - PASSED

4600 / 4375 - PASSED

4600 / 4400 - PASSED

4600 / 4425 - PASSED

P2 PROFILE

VID: 1181mV

CCX#1: 4600MHz

CCX#2: 4425MHz

00:02:08: Stress test stopped.

00:02:08: Test 4 finished!

P2 PROFILE successfully saved!

DRAM must be overclocked and stable!

Otherwise the profile creation process will crash

00:02:18: Test 5 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4539	V 1.384	W 7.87	T 52.26	L 1.14
C02	174	F 4539	V 1.384	W 8.1	T 54.36	L 1.126
C03	170	F 4539	V 1.384	W 8.24	T 57.66	L 1.14
C04	174	F 4539	V 1.384	W 8.41	T 59.6	L 1.132
C05	158	F 4539	V 1.384	W 8.36	T 58.92	L 1.152
C06	162	F 4539	V 1.384	W 8.48	T 60.56	L 1.152
C07	150	F 4539	V 1.384	W 6.98	T 52.17	L 1.224
C08	141	F 4539	V 1.384	W 7.02	T 50.82	L 1.208
C09	133	F 4539	V 1.384	W 7.28	T 57.22	L 1.271
C10	145	F 4539	V 1.384	W 7.27	T 55.71	L 1.214
C11	137	F 4539	V 1.384	W 7.27	T 57.98	L 1.254
C12	154	F 4539	V 1.384	W 7.15	T 56.36	L 1.234

Start VID 1175

Start FREQ CCX#1 4375

Start FREQ CCX#2 4125

Vdroop: 2.13%

4400 / 4150 - PASSED

4425 / 4175 - PASSED

4450 / 4200 - PASSED

4475 / 4225 - PASSED

4500 / 4250 - PASSED

4525 / 4275 - PASSED

4550 / 4300 - PASSED

4575 / 4325 - PASSED

4600 / 4350 - PASSED

4600 / 4375 - PASSED

4600 / 4400 - PASSED

4600 / 4425 - PASSED

P1 PROFILE

VID: 1175mV

CCX#1: 4600MHz

CCX#2: 4425MHz

00:02:37: Stress test stopped.

00:02:37: Test 5 finished!

P1 PROFILE successfully saved!

Phoenix ready!

Cinebench R20 started

Cinebench R20 finished with result: 8199

Voltage: 1.222 V PPT: 137.6 W Temperature: 63°

DRAM must be overclocked and stable!

Otherwise the profile creation process will crash

00:04:17: Test 1 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 84 V 1.468 W 0.41 T 35.42 L 0.959

C02 174 F 4864 V 1.468 W 14.4 T 65.38 L 1.34

C03 170 F 126 V 1.468 W 0.77 T 36.76 L 0.963

C04 174 F 4860 V 1.468 W 14.41 T 65.16 L 1.337

C05 158 F 91 V 1.468 W 0.29 T 35.92 L 0.96

C06 162 F 266 V 1.468 W 0.84 T 43.6 L 0.978

C07 150 F 106 V 1.468 W 0.22 T 37.14 L 0.926

C08 141 F 96 V 1.468 W 0.27 T 33.43 L 0.922

C09 133 F 407 V 1.468 W 1.3 T 39.69 L 0.978

C10 145 F 141 V 1.468 W 0.28 T 34.86 L 0.923

C11 137 F 132 V 1.468 W 0.25 T 37.21 L 0.935

C12 154 F 172 V 1.468 W 1.33 T 36.88 L 0.932

Vdroop: 0.44%

4750 - PASSED

4775 - PASSED

4800 - PASSED

4825 - PASSED

4850 - PASSED

4875 - PASSED

4900 - PASSED

4925 - PASSED

00:04:45: Cinebench stopped!

PX HIGH sub-profile

CPU usage(min): 8.3%

CPU usage(avg): 9.82%

CPU usage(max): 13.9%

SAFE: 4925MHz

FAST: 4975MHz

00:04:45: Test 1 finished!

00:04:45: Test 2 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4578	V 1.437	W 12.1	T 63.46	L 1.302
C02	174	F 4766	V 1.437	W 13.17	T 64.47	L 1.256
C03	170	F 4766	V 1.437	W 12.98	T 64.61	L 1.292
C04	174	F 4766	V 1.437	W 12.92	T 64.4	L 1.252
C05	158	F 174	V 1.437	W 0.42	T 44.26	L 0.954
C06	162	F 206	V 1.437	W 0.76	T 44.46	L 0.956
C07	150	F 148	V 1.437	W 0.26	T 37.56	L 0.926
C08	141	F 64	V 1.437	W 0.18	T 33.28	L 0.916
C09	133	F 221	V 1.437	W 0.7	T 38.31	L 0.948
C10	145	F 70	V 1.437	W 0.18	T 34.31	L 0.915
C11	137	F 42	V 1.437	W 0.14	T 36.58	L 0.919
C12	154	F 118	V 1.437	W 1.12	T 36.09	L 0.924

Vdroop: 1.02%

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

4800 - PASSED

4825 - PASSED

4850 - PASSED

00:05:13: Cinebench stopped!



PX MID sub-profile

CPU usage(min): 16.3%

CPU usage(avg): 17.08%

CPU usage(max): 23.1%

SAFE: 4850MHz

FAST: 4900MHz

Max CPU usage for PX MID: 20%

00:05:13: Test 2 finished!

00:05:13: Test 3 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4691	V 1.409	W 12.22	T 64.76	L 1.258
C02	174	F 4682	V 1.409	W 12.28	T 63.85	L 1.21
C03	170	F 4676	V 1.409	W 12.55	T 70.75	L 1.254
C04	174	F 4692	V 1.409	W 12.73	T 69.86	L 1.222
C05	158	F 4297	V 1.409	W 11.8	T 70.72	L 1.253
C06	162	F 4641	V 1.409	W 12.43	T 70.8	L 1.27
C07	150	F 178	V 1.409	W 0.3	T 39.22	L 0.936
C08	141	F 245	V 1.409	W 0.66	T 35.81	L 0.938
C09	133	F 288	V 1.409	W 1.16	T 41.82	L 0.965
C10	145	F 131	V 1.409	W 0.22	T 35.82	L 0.928
C11	137	F 242	V 1.409	W 0.57	T 41.18	L 0.948
C12	154	F 276	V 1.409	W 1.5	T 39.25	L 0.938

Vdroop: 1.85%

4625 - PASSED

4650 - PASSED

4675 - PASSED

4700 - PASSED

4725 - PASSED

4750 - PASSED

4775 - PASSED

00:05:40: Cinebench stopped!

PX LOW sub-profile

CPU usage(min): 24.9%

CPU usage(avg): 28.28%

CPU usage(max): 31.9%

SAFE: 4775MHz

FAST: 4850MHz

Max CPU usage for PX LOW: 29%

00:05:40: Test 3 finished!

00:05:40: Test 4 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01 166 F 4529 V 1.38 W 7.82 T 54.06 L 1.14

C02 174 F 4529 V 1.38 W 8.3 T 56.82 L 1.128

C03 170 F 4529 V 1.38 W 8.31 T 59.92 L 1.14

C04 174 F 4529 V 1.38 W 8.48 T 61.67 L 1.134

C05 158 F 4529 V 1.38 W 8.37 T 60.94 L 1.151

C06 162 F 4529 V 1.38 W 8.5 T 62.45 L 1.15

C07 150 F 4529 V 1.38 W 6.9 T 54.1 L 1.223

C08 141 F 4529 V 1.38 W 7.12 T 53.07 L 1.206  
C09 133 F 4529 V 1.38 W 7.19 T 59.12 L 1.268  
C10 145 F 4529 V 1.38 W 7.26 T 57.96 L 1.212  
C11 137 F 4529 V 1.38 W 7.21 T 59.82 L 1.252  
C12 154 F 4529 V 1.38 W 7.25 T 58.76 L 1.233

00:05:50: Stress test stopped.

Start VID 1181

Start FREQ CCX#1 4350

Start FREQ CCX#2 4125

Vdroop: 2.12%

4375 / 4150 - PASSED

4400 / 4175 - PASSED

4425 / 4200 - PASSED

4450 / 4225 - PASSED

4475 / 4250 - PASSED

4500 / 4275 - PASSED

4525 / 4300 - PASSED

4550 / 4325 - PASSED

4575 / 4350 - PASSED

4600 / 4375 - PASSED

4600 / 4400 - PASSED

4600 / 4425 - PASSED

P2 PROFILE

VID: 1181mV

CCX#1: 4600MHz

CCX#2: 4425MHz

00:05:57: Stress test stopped.

00:05:57: Test 4 finished!

00:05:57: Test 5 started!

Basic statistics

CORE / CPPC / FREQUENCY / VID / POWER / TEMP / DEBUG

C01	166	F 4526	V 1.381	W 7.92	T 54.7	L 1.14
C02	174	F 4526	V 1.381	W 8.14	T 56.96	L 1.126
C03	170	F 4526	V 1.381	W 8.3	T 60.28	L 1.14
C04	174	F 4526	V 1.381	W 8.54	T 62.42	L 1.134
C05	158	F 4526	V 1.381	W 8.35	T 61.27	L 1.15
C06	162	F 4526	V 1.381	W 8.64	T 63.38	L 1.15
C07	150	F 4526	V 1.381	W 7.05	T 54.98	L 1.223
C08	141	F 4526	V 1.381	W 7.04	T 53.62	L 1.204
C09	133	F 4526	V 1.381	W 7.31	T 59.93	L 1.268
C10	145	F 4526	V 1.381	W 7.3	T 58.66	L 1.211
C11	137	F 4526	V 1.381	W 7.3	T 60.7	L 1.251
C12	154	F 4526	V 1.381	W 7.35	T 59.48	L 1.232

Start VID 1175

Start FREQ CCX#1 4350

Start FREQ CCX#2 4125

Vdroop: 2.13%

4375 / 4150 - PASSED

4400 / 4175 - PASSED

4425 / 4200 - PASSED

4450 / 4225 - PASSED

4475 / 4250 - PASSED

4500 / 4275 - PASSED

4525 / 4300 - PASSED

4550 / 4325 - PASSED

4575 / 4350 - PASSED

4575 / 4375 - PASSED

4575 / 4400 - PASSED

P1 PROFILE

VID: 1175mV

CCX#1: 4575MHz

CCX#2: 4400MHz

00:06:17: Stress test stopped.

Cinebench R20 started

Cinebench R20 finished with result: 8744

Voltage: 1.175 V PPT: 132.8 W Temperature: 64.9°

00:06:59: Test 5 finished!

CORES ORDER (from the best to the worst)

###	CPPC	VID	FIT
1	C04	C02	C06
2	C02	C04	C04
3	C03	C01	C05
4	C01	C03	C11

5	C06	C05	C03
6	C05	C06	C09
7	C12	C08	C12
8	C07	C10	C10
9	C10	C07	C02
10	C08	C12	C07
11	C11	C11	C01
12	C09	C09	C08

AVX light mode

Cycle time: 60000 ms

Reference frequency: 4375MHz

Reference voltage: 1187 mV

Voltage step: 6 mV

Manual overclocking mode enabled

00:07:06: Saving temporary settings...

00:07:11: CCX1 (158): 4375 MHz, 1187 mV

00:07:11: CCX2 (133): 4375 MHz, 1187 mV

00:07:11: Step# 1. Diagnostic VID: 1187 mV

00:07:11: Stress test 1 started...

00:07:46: Stress test stopped.  
00:07:47: Stress test 2 started...  
00:08:23: Stress test stopped.  
00:08:24: Step# 2. Diagnostic VID: 1107 mV  
00:08:24: Stress test 1 started...  
00:08:59: Stress test stopped.  
00:09:00: Stress test 2 started...  
00:09:36: Stress test stopped.  
00:09:38: Step# 3. Diagnostic VID: 1101 mV  
00:09:38: Stress test 1 started...  
00:10:13: Stress test stopped.  
00:10:14: Stress test 2 started...  
00:10:48: Stress test stopped.  
00:10:49: Step# 4. Diagnostic VID: 1095 mV  
00:10:49: Stress test 1 started...  
00:11:24: Stress test stopped.  
00:11:25: Stress test 2 started...  
00:12:00: Stress test stopped.  
00:12:01: Step# 5. Diagnostic VID: 1089 mV  
00:12:01: Stress test 1 started...  
00:12:14: Thread# 12 fall down!  
00:12:14: Stress test stopped.  
00:12:16: Step# 6. Diagnostic VID: 1095 mV

## DIAGNOSTIC RESULTS

AMD Ryzen 9 5900X 12-Core Processor

CPU VID: 1095

CPU TEL: 1069

Max temperature: 63,38°

Energy efficient: 4,09

Your CPU is GOLDEN SAMPLE

Recomended CCX delta: 175

Theoretical maximum CCX delta: 200

Recomended values for overclocking (P1 profile):

Reference voltage: 1175 mV

Reference frequency: 4425 MHz

Recomended values for overclocking (P2 profile):

Reference voltage: 1275 mV

Reference frequency: 4575 MHz

Recomended values for undervolting:

Reference voltage: 1000 mV

Reference frequency: 4075 MHz

Phoenix deactivated!