AMD EXPO™ Technology Memory Profile Self-Certification Report

[General Module Information]	
Module Manufacturer:	G.SKILL International Enterprise Co., Ltd.
Module Part Number:	F5-6000J3636F16GX2-FX5
Module Revision:	1.0
Module Size:	2 x 16 Gbytes
Ranks per channel:	1
JEDEC Memory Speed:	DDR5-4800
Module Type:	Unbuffered DIMM (UDIMM)
SDRAM Manufacturer:	Samsung / SKHynix
DRAM Stepping:	
Error Check/Correction:	None

[AMD EXPO Profile Support]	
AMD EXPO Version	1.0
Profile 0 Enabled	Yes
Profile 0 DIMMs per Channel	1
Profile 0 Enhanced Block Enabled	NO
Profile 1 Enabled	NO
Profile 1 DIMMs per Channel	None
Profile 1 Enhanced Block Enabled	NO

[EXPO Profile 0 Voltage]	
SDRAM VDD (V)	1.35 V
SDRAM VDDQ (V)	1.35 V
SDRAM VPP (V)	1.80 V

[EXPO Profile 0 Timing]		
DDR Data Rate MT/S	6000 MT/s	
tCK (ps / nCK)	333	
tCAS (ps / nCK)	11992	36 nCK
tRCD (ps / nCK)	11992	36 nCK
tRP (ps / nCK)	11992	36 nCK
tRAS (ps / nCK)	31980	96 nCK
tWR (ps / nCK)	29981	90 nCK
tRFC1 (ps / nCK)	295 ns	
tRFC2 (ps / nCK)	160 ns	
tRFCsb (ps / nCK)	130 ns	

[EXPO Profile 0 Enhanced Timing]		
tRRD_L (ps / nCK)	None	
tCCD_L (ps / nCK)	None	
tCCD_L_WR (ps / nCK)	None	
tCCD_L_WR2 (ps / nCK)	None	
tFAW (ps / nCK)	None	
tWTR_L (ps / nCK)	None	
tWTR_S (ps / nCK)	None	
tRTP (ps / nCK)	None	

[EXPO Profile 1 Voltage]	
SDRAM VDD (V)	None
SDRAM VDDQ (V)	None
SDRAM VPP (V)	None

[EXPO Profile 1 Timing]		
DDR Data Rate MT/S	None	
tCK (ps / nCK)	None	
tCAS (ps / nCK)	None	
tRCD (ps / nCK)	None	
tRP (ps / nCK)	None	
tRAS (ps / nCK)	None	
tWR (ps / nCK)	None	
tRFC1 (ps / nCK)	None	

tRFC2 (ps / nCK)	None	
tRFCsb (ps / nCK)	None	

[EXPO Profile 1 Enhanced Timing]		
tRRD_L (ps / nCK)	None	
tCCD_L (ps / nCK)	None	
tCCD_L_WR (ps / nCK)	None	
tCCD_L_WR2 (ps / nCK)	None	
tFAW (ps / nCK)	None	
tWTR_L (ps / nCK)	None	
tWTR_S (ps / nCK)	None	
tRTP (ps / nCK)	None	

[EXPO Tested Platforms1]	[BIOS Version1]	[Processor1]	[ProcODT2]	[RTT2]	[DrvStr2]
AsRock X670E Steel Legend	1.29.AS01	7950X	Auto	Auto	Auto
AsRock X670E Taichi	1.29.AS01	7950X	Auto	Auto	Auto
ASUS ROG CROSSHAIR X670E GENE	1602	7950X	Auto	Auto	Auto
ASUS ROG CROSSHAIR X670E HERO	1602	7800X3D	Auto	Auto	Auto
ASUS ROG STRIX B650E-F GAMING WIFI	1654	7800X3D	Auto	Auto	Auto
Gigabyte B650E AORUS Master	F8d	7900X	Auto	Auto	Auto
Gigabyte X670 AORUS ELITE AX	F11d	7800X3D	Auto	Auto	Auto
Gigabyte X670E AORUS Master	F13d	7700X	Auto	Auto	Auto
MSI MAG B650 TOMAHAWK WIFI	170	7700X	Auto	Auto	Auto
MSI MPG B650 CARBON WIFI	160	7700X	Auto	Auto	Auto
MSI PRO B650-P WIFI	170	7700X	Auto	Auto	Auto
MSI PRO X670-P WIFI	1A0	7700X	Auto	Auto	Auto

Notes:

1. The list of tested platforms (which includes the Motherboard, BIOS, and Processor configurations) is not an exhaustive list of supported configurations. It is solely a set of tested configurations to demonstrate AMD EXPO™ profile viability on actual hardware.

2. ProcODT, RTT, and DrvStr values per configuration, Auto, or selected value.