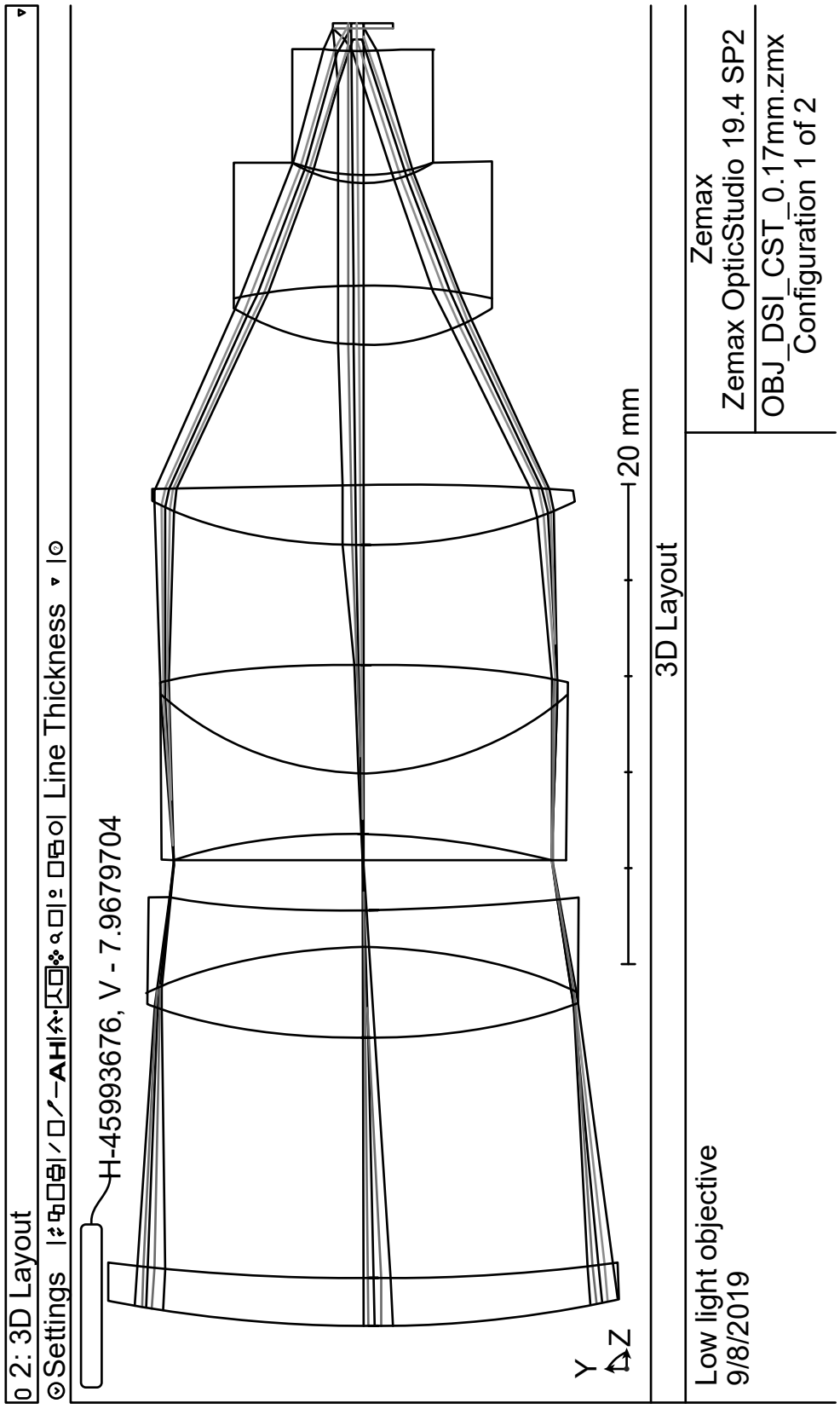
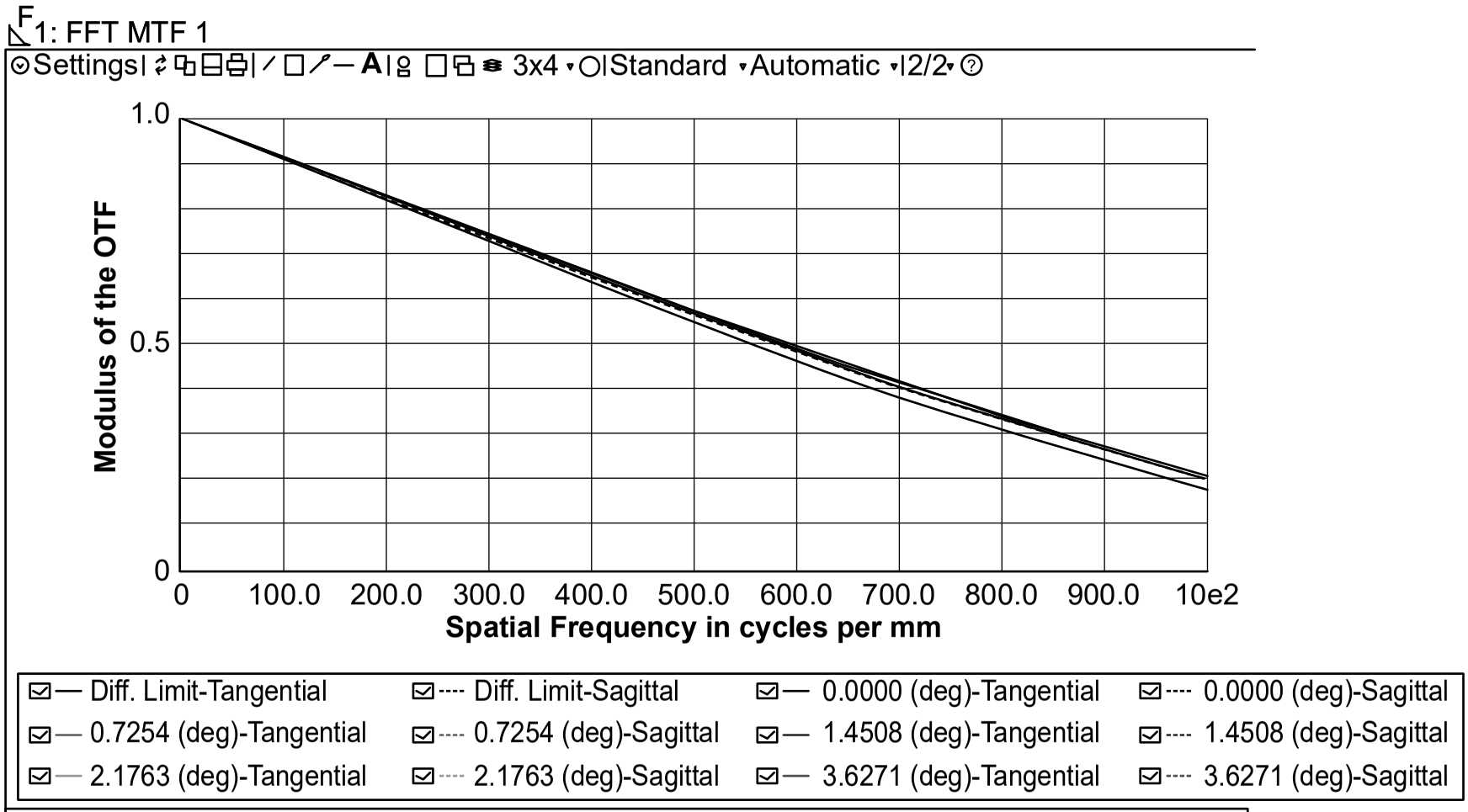
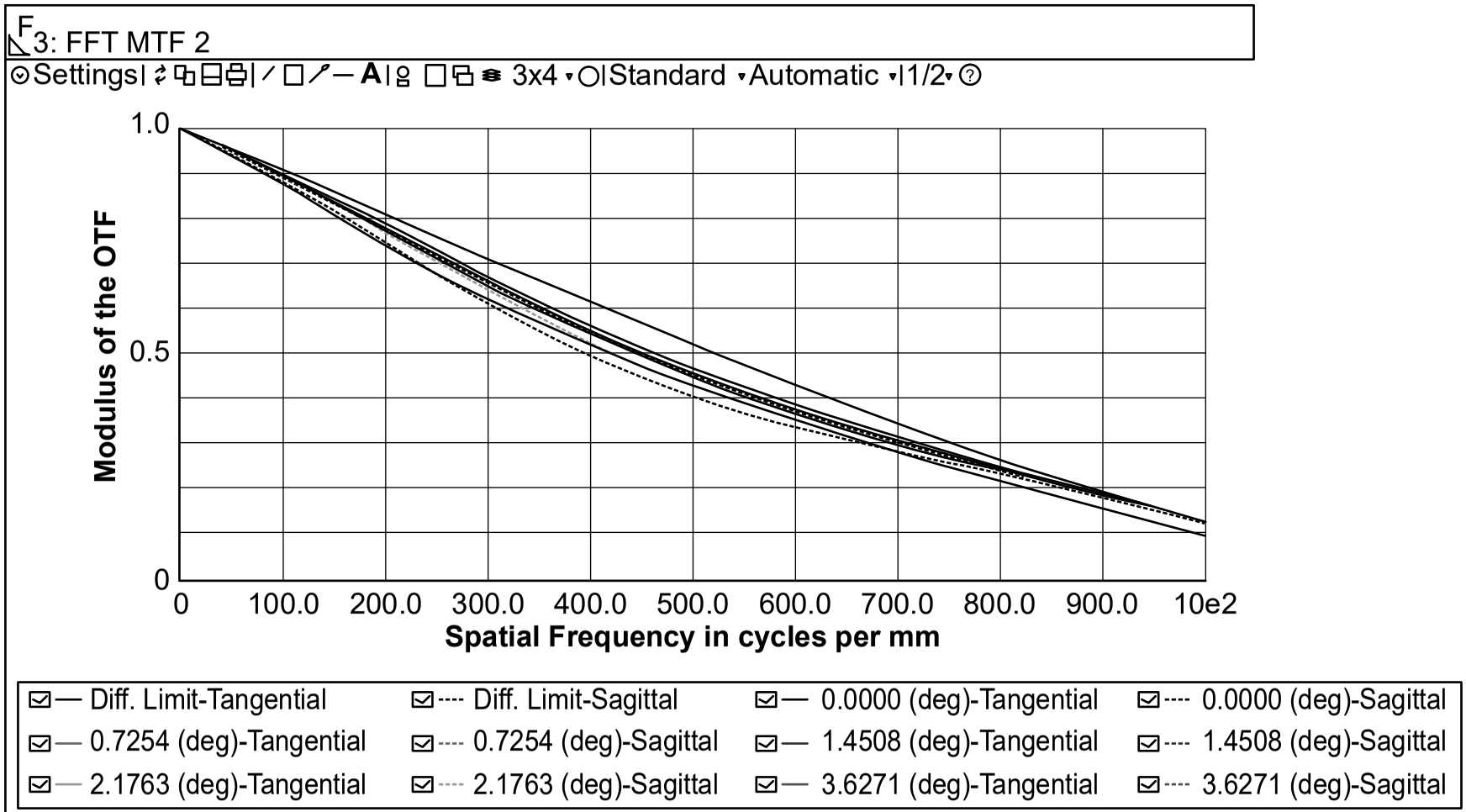

2: 3D Layout
Settings
Line Thickness
H-45993676, V - 7.9679704
Y
Z
20 mm
3D Layout
Low light objective
9/8/2019
Zemax
Zemax OpticStudio 19.4 SP2
OBJ_DSI_CST_0.17mm.zmx
Configuration 1 of 2

FIG. 19



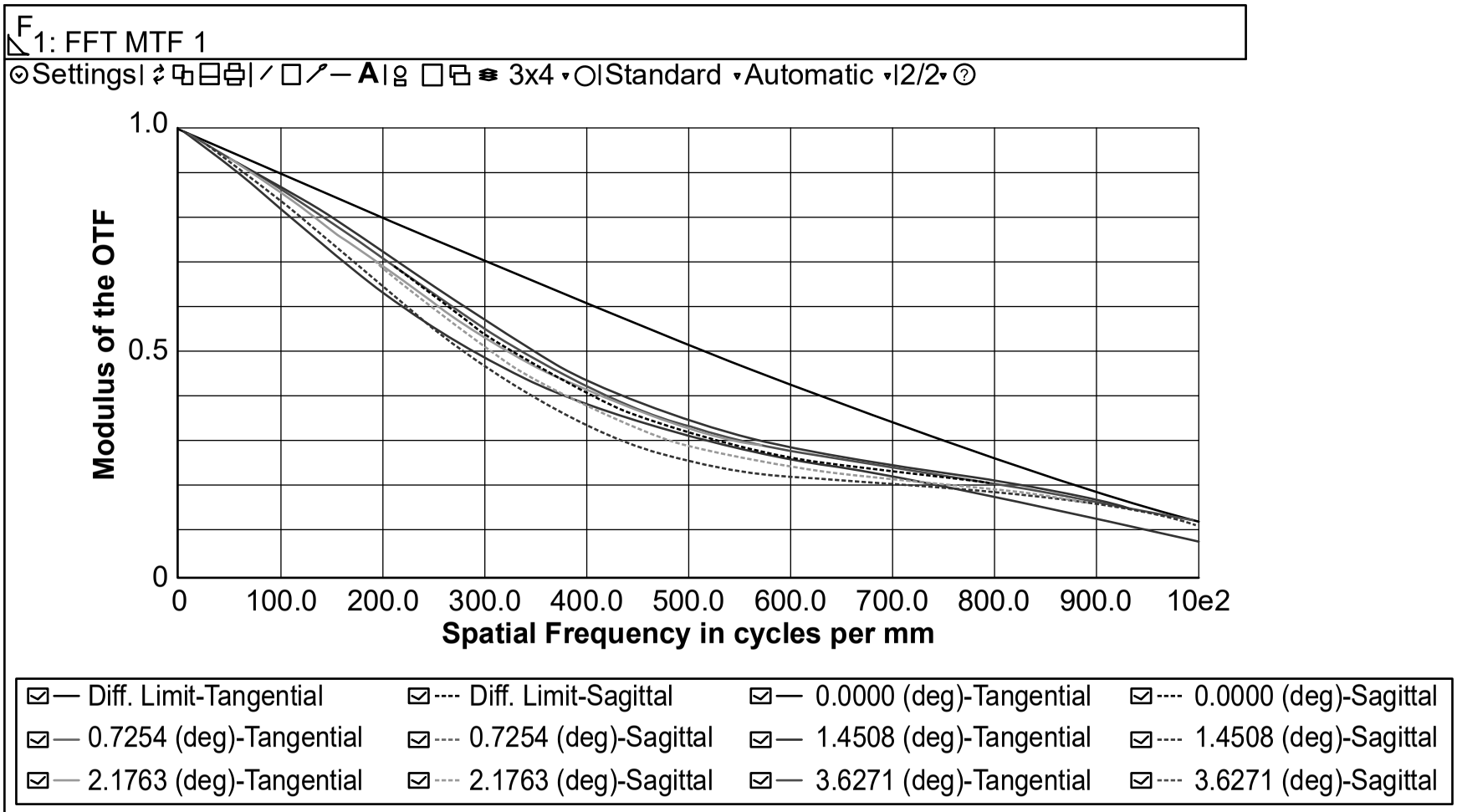
Polychromatic Diffraction MTF	
Low light objective 9/8/2019 Data for 0.5600 to 0.7400 µm. Surface: Image Legend items refer to Field positions	Zemax Zemax OpticStudio 19.4 SP2 OBJ_DSI_CST_0.17mm.zmx Configuration 2 of 2

FIG. 20



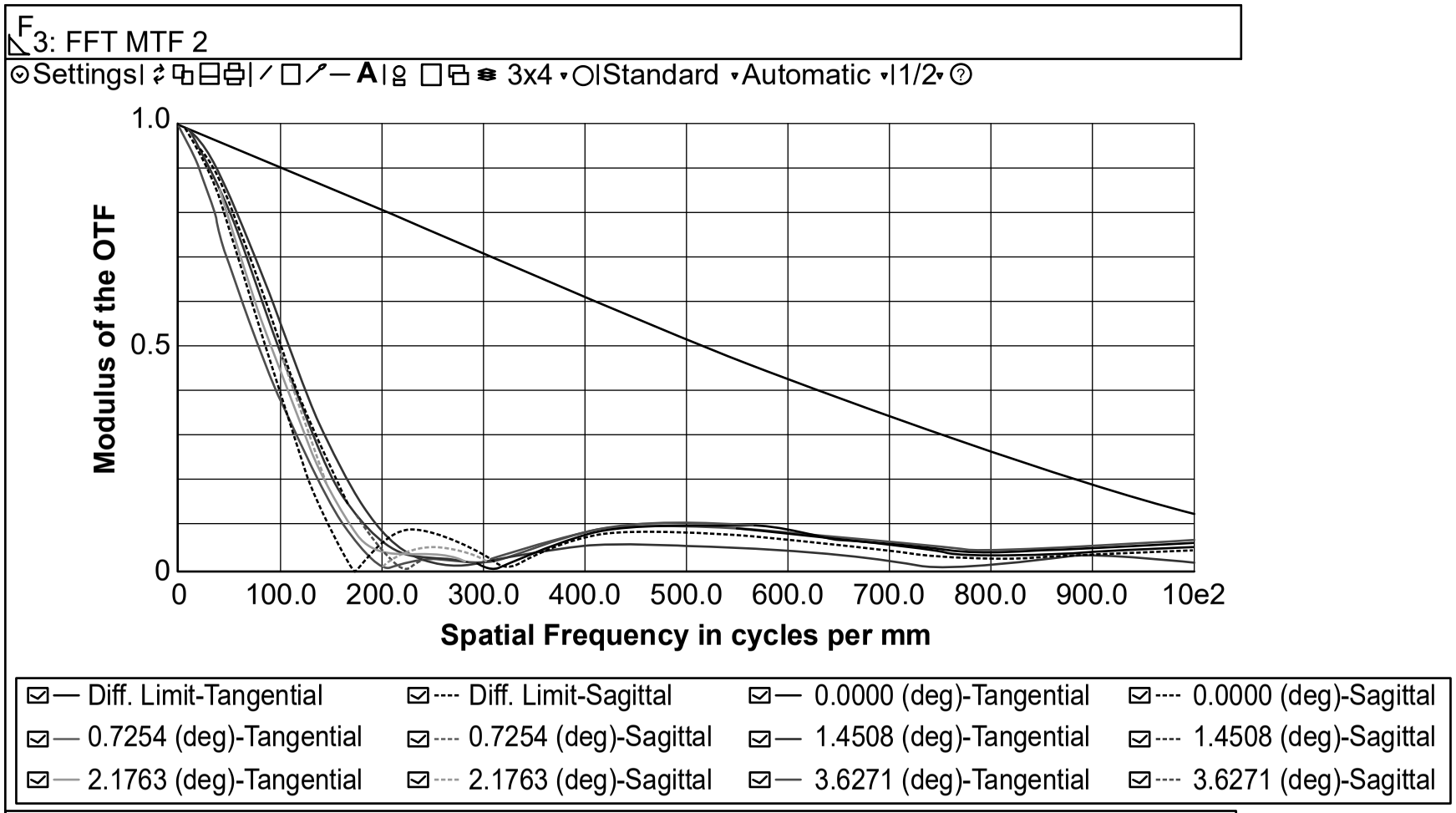
Polychromatic Diffraction MTF	
Low light objective 9/10/2019 Data for 0.5600 to 0.7400 µm. Surface: Image Legend items refer to Field positions	Zemax Zemax OpticStudio 19.4 SP2 OBJ_DSI_CST_0.3mm_no_optimization.zmx Configuration 1 of 2

FIG. 21



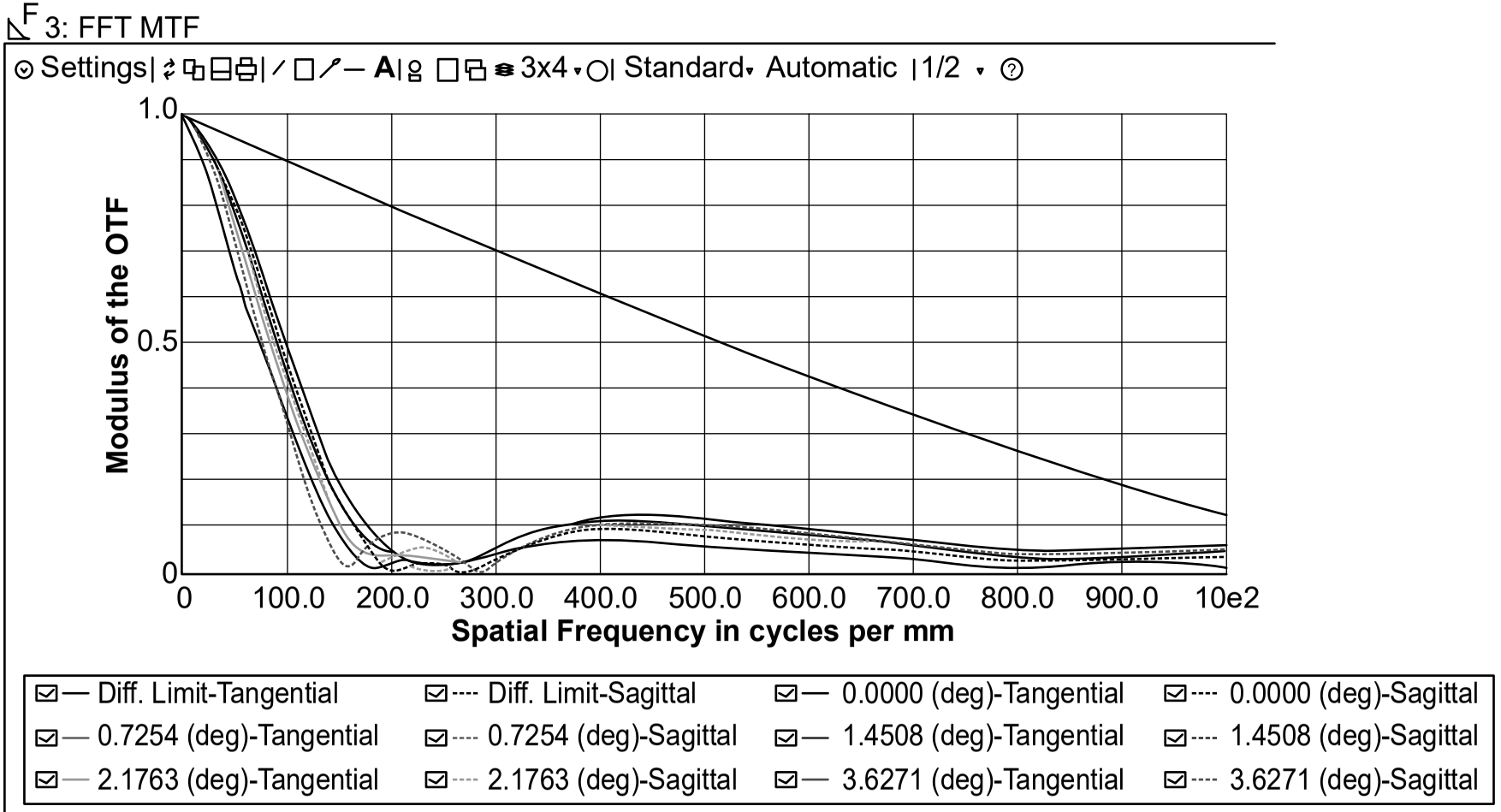
Polychromatic Diffraction MTF	
Low light objective 9/10/2019 Data for 0.5600 to 0.7400 µm. Surface: Image Legend items refer to Field positions	Zemax Zemax OpticStudio 19.4 SP2 OBJ_DSI_CST_0.3mm_no_optimization.zmx Configuration 2 of 2

FIG. 22



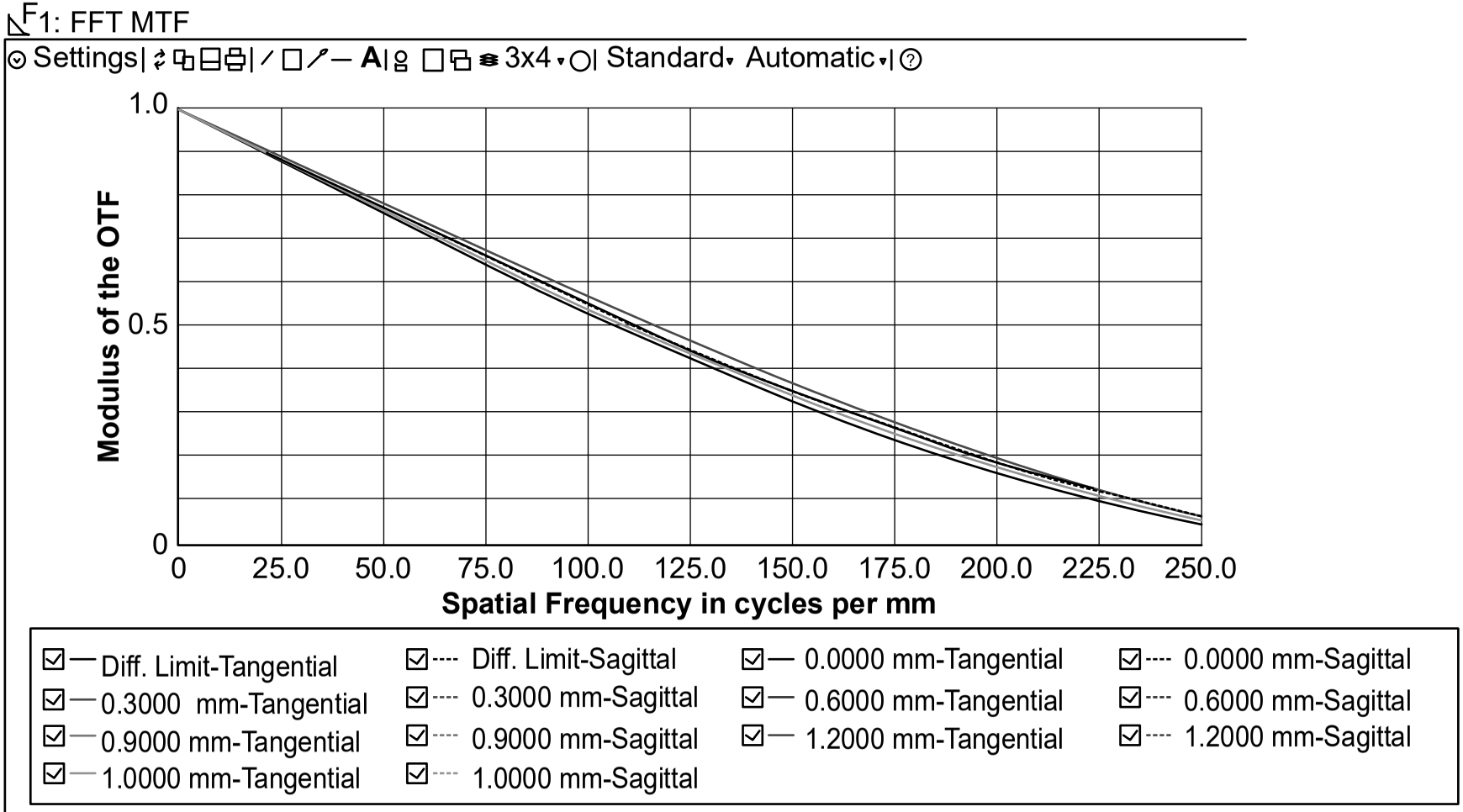
Polychromatic Diffraction MTF	
Low light objective 9/25/2019 Data for 0.5600 to 0.7400 µm. Surface: Image Legend items refer to Field positions	Zemax Zemax OpticStudio 19.4 SP2 OBJ_DSI_CST_0.3mm_no_optimization.zmx Configuration 1 of 2

FIG. 23



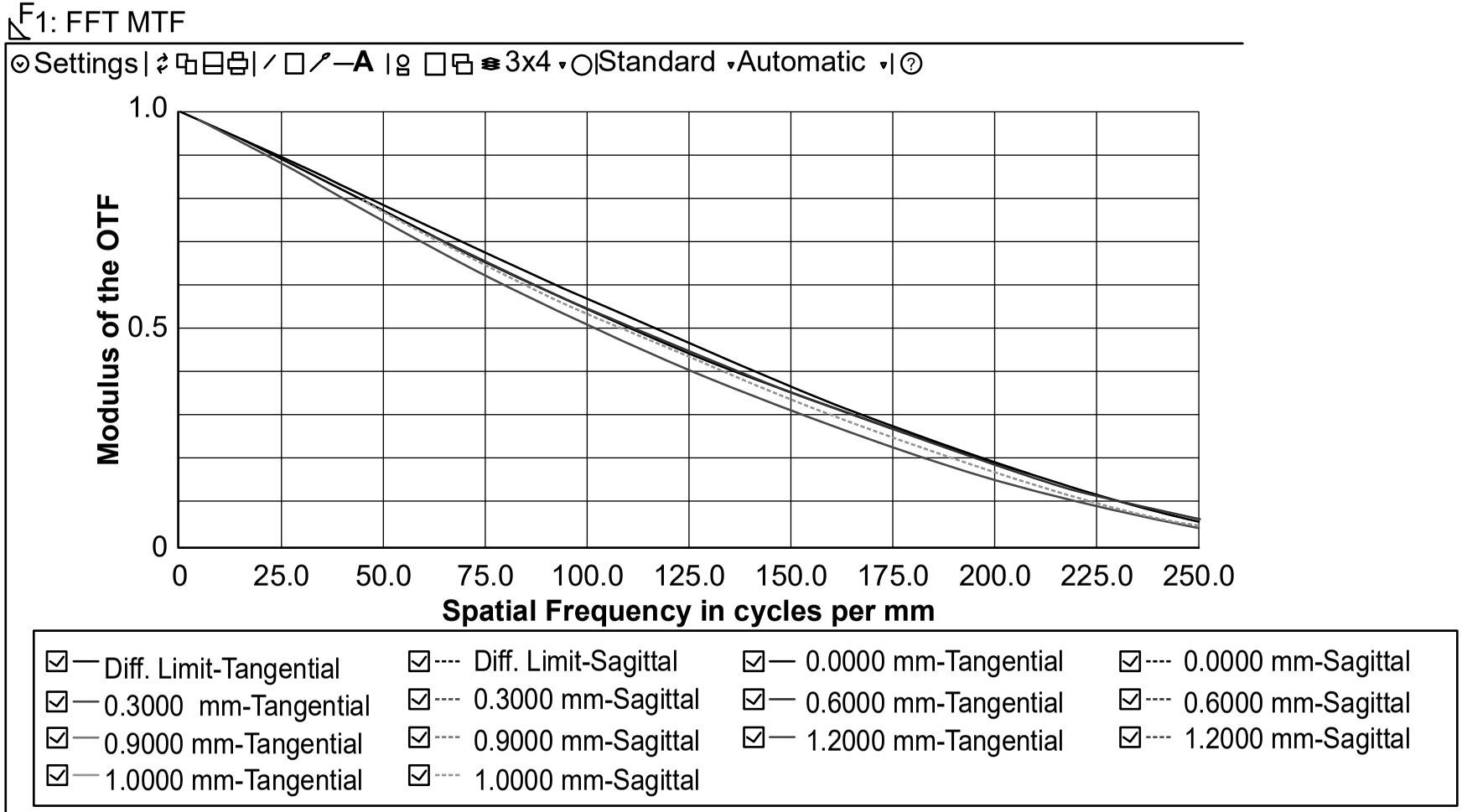
Polychromatic Diffraction MTF	
Low light objective 9/25/2019 Data for 0.5600 to 0.7400 µm. Surface: Image Legend items refer to Field positions	Zemax Zemax OpticStudio 19.4 SP2 OBJ_DSI_CST_0.3mm_no_optimization.zmx Configuration 1 of 2

FIG. 24



Polychromatic Diffraction MTF	
Low light objective 9/25/2019 Data for 0.5600 to 0.7400 µm. Surface: Image Legend items refer to Field positions	Zemax Zemax OpticStudio 19.4 SP2

FIG. 26



Polychromatic Diffraction MTF	
Low light objective 9/25/2019 Data for 0.5600 to 0.7400 µm. Surface: Image Legend items refer to Field positions	Zemax Zemax OpticStudio 19.4 SP2

FIG. 27

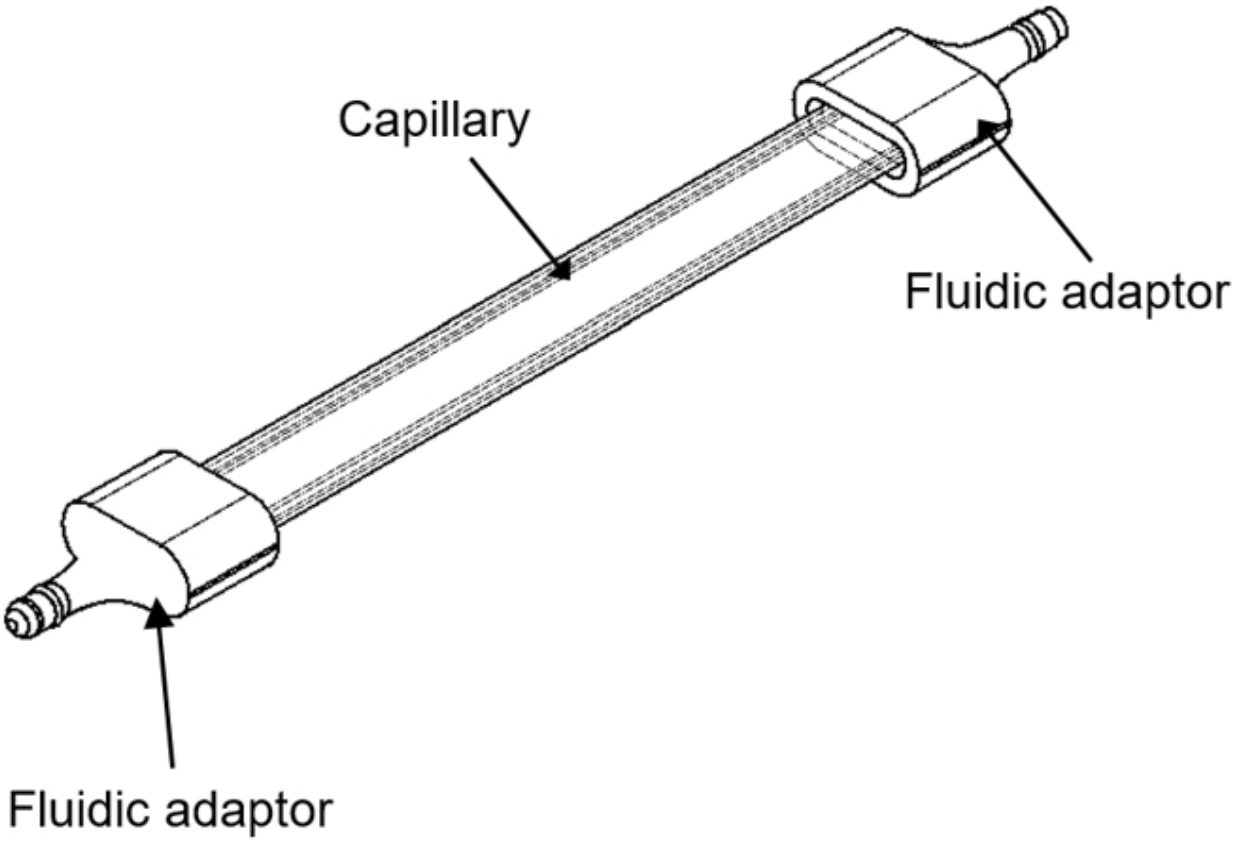


FIG. 29

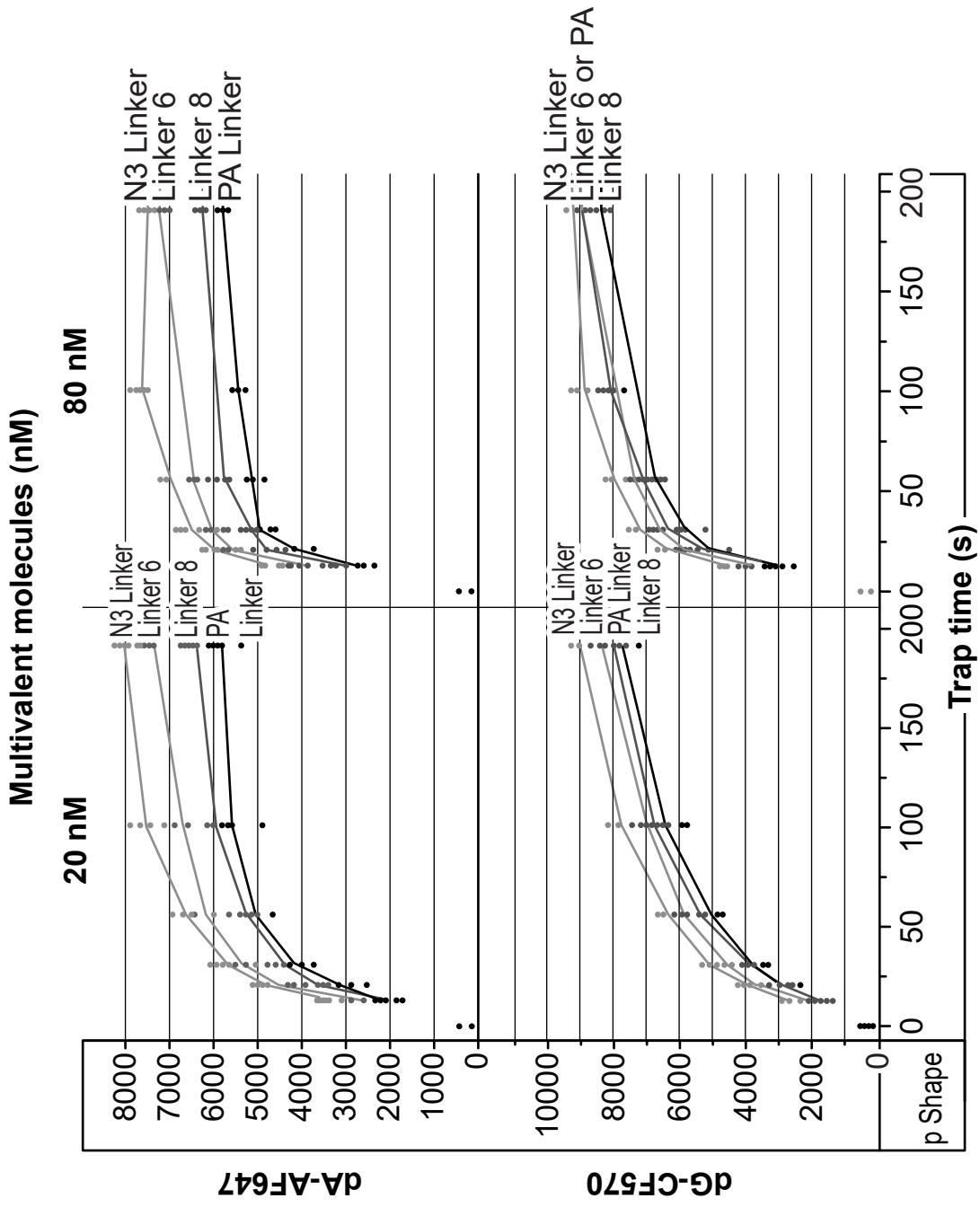

Multivalent molecules (nM)
20 nM
80 nM
N3 Linker
Linker 6
Linker 8
PA Linker
dA-AF647
dG-CF570
Trap time (s)
p Shape

FIG. 58