

## ACCEPTANCE TEST CERTIFICATE

Document Number:	ATC20250605010
Supplier:	Inertial Labs
Product Family:	Kernel-120
Product Code:	KERNEL-120-G2000-A40A90-TGA-C12-A-V1.2
Serial Number:	K2490568



#	Parameter Description	Test Condition	Units	Criteria	Results	Compliance
1	Gyroscope Bias Accuracy, X-Axis	-40°C to +85°C, RMS	deg/hr	72	17.4	Comply
2	Gyroscope Bias Accuracy, Y-Axis	-40°C to +85°C, RMS	deg/hr	72	9.2	Comply
3	Gyroscope Bias Accuracy, Z-Axis	-40°C to +85°C, RMS	deg/hr	72	27.8	Comply
4	Gyroscope Scale Factor Accuracy, X-Axis	-40°C to +85°C, RMS	PPM	1000	580	Comply
5	Gyroscope Scale Factor Accuracy, Y-Axis	-40°C to +85°C, RMS	PPM	1000	680	Comply
6	Gyroscope Scale Factor Accuracy, Z-Axis	-40°C to +85°C, RMS	PPM	1000	307	Comply
7	Gyroscope Axis Misalignment, X-Axis	-40°C to +85°C, RMS	mrad	0.15	0.035	Comply
8	Gyroscope Axis Misalignment, Y-Axis	-40°C to +85°C, RMS	mrad	0.15	0.061	Comply
9	Gyroscope Axis Misalignment, Z-Axis	-40°C to +85°C, RMS	mrad	0.15	0.022	Comply
10	Accelerometer Bias Accuracy, X-Axis / A40	-40°C to +85°C, RMS	mg	1.50	0.01	Comply
11	Accelerometer Bias Accuracy, Y-Axis / A40	-40°C to +85°C, RMS	mg	1.50	0.05	Comply
12	Accelerometer Bias Accuracy, Z-Axis / A40	-40°C to +85°C, RMS	mg	1.50	0.23	Comply
13	Accelerometer Scale Factor Accuracy, X-Axis / A40	-40°C to +85°C, RMS	PPM	850	15	Comply
14	Accelerometer Scale Factor Accuracy, Y-Axis / A40	-40°C to +85°C, RMS	PPM	850	12	Comply
15	Accelerometer Scale Factor Accuracy, Z-Axis / A40	-40°C to +85°C, RMS	PPM	850	201	Comply
16	Accelerometer Axis Misalignment, X-Axis / A40	-40°C to +85°C, RMS	mrad	0.2	0.11	Comply
17	Accelerometer Axis Misalignment, Y-Axis / A40	-40°C to +85°C, RMS	mrad	0.2	0.07	Comply
18	Accelerometer Axis Misalignment, Z-Axis / A40	-40°C to +85°C, RMS	mrad	0.2	0.01	Comply
19	Accelerometer Bias Accuracy, X-Axis / A90	+25°C, RMS	mg	200	93.7	Comply
20	Accelerometer Bias Accuracy, Y-Axis / A90	+25°C, RMS	mg	200	77.7	Comply
21	Accelerometer Bias Accuracy, Z-Axis / A90	+25°C, RMS	mg	200	70.2	Comply
22	Visual Inspection	QA/QC	N/A	N/A	Pass	Comply

Engineer:	Jacky Hernandez
Date:	6/5/2025