

ACCEPTANCE TEST CERTIFICATE

Document Number:	ATC20250604020
Supplier:	Inertial Labs
Product Family:	Kernel-120
Product Code:	KERNEL-120-G2000-A40A90-TGA-C12-A-V1.2
Serial Number:	K2490552



#	Parameter Description	Test Condition	Units	Criteria	Results	Compliance
1	Gyroscope Bias Accuracy, X-Axis	-40°C to +85°C, RMS	deg/hr	72	35.1	Comply
2	Gyroscope Bias Accuracy, Y-Axis	-40°C to +85°C, RMS	deg/hr	72	20.2	Comply
3	Gyroscope Bias Accuracy, Z-Axis	-40°C to +85°C, RMS	deg/hr	72	17.6	Comply
4	Gyroscope Scale Factor Accuracy, X-Axis	-40°C to +85°C, RMS	PPM	1000	529	Comply
5	Gyroscope Scale Factor Accuracy, Y-Axis	-40°C to +85°C, RMS	PPM	1000	659	Comply
6	Gyroscope Scale Factor Accuracy, Z-Axis	-40°C to +85°C, RMS	PPM	1000	238	Comply
7	Gyroscope Axis Misalignment, X-Axis	-40°C to +85°C, RMS	mrad	0.15	0.033	Comply
8	Gyroscope Axis Misalignment, Y-Axis	-40°C to +85°C, RMS	mrad	0.15	0.033	Comply
9	Gyroscope Axis Misalignment, Z-Axis	-40°C to +85°C, RMS	mrad	0.15	0.017	Comply
10	Accelerometer Bias Accuracy, X-Axis / A40	-40°C to +85°C, RMS	mg	1.50	0.04	Comply
11	Accelerometer Bias Accuracy, Y-Axis / A40	-40°C to +85°C, RMS	mg	1.50	0.04	Comply
12	Accelerometer Bias Accuracy, Z-Axis / A40	-40°C to +85°C, RMS	mg	1.50	0.19	Comply
13	Accelerometer Scale Factor Accuracy, X-Axis / A40	-40°C to +85°C, RMS	PPM	850	16	Comply
14	Accelerometer Scale Factor Accuracy, Y-Axis / A40	-40°C to +85°C, RMS	PPM	850	13	Comply
15	Accelerometer Scale Factor Accuracy, Z-Axis / A40	-40°C to +85°C, RMS	PPM	850	217	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	0.17	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	111.2	Comply
20	Accelerometer Bias Accuracy, Y-Axis / A90	+25°C, RMS	mg	200	69.2	Comply
21	Accelerometer Bias Accuracy, Z-Axis / A90	+25°C, RMS	mg	200	154.2	Comply
22	Visual Inspection	QA/QC	N/A	N/A	Pass	Comply

Engineer:	Jacky Hernandez
Date:	6/4/2025