CERTIFICATE CONCERNING DESIGN AND CONSTRUCTION OF ELECTRONIC SPEED MEASURING DEVICES

I, Pasquale Mosso, do certify under penalty of the laws of the State of Washington that the following is true and correct:

I have been employed as a technician by American Traffic Solutions for 13 years. I became a speed validation technician in 2016 and have over 1000 hours performing speed validation tests. I am nationally certified as a RADAR and LIDAR operator. The City of Kirkland currently uses the AutoPatrolTM 3D radar fixed speed safety camera system, an electronic speed measuring device provided through a contract with American Traffic Solutions, Inc. ("ATS"). Part of my duties include monitoring regular testing of the AutoPatrol 3D radar fixed speed safety camera systems used by the City of Kirkland.

ATS contracted with the City of Kirkland to provide an Automated Speed Enforcement ("ASE") system designed to record the speed of a vehicle and obtain photographs or other recorded images of the vehicle and the vehicle's registration plate while the vehicle is traveling in excess of speed limits in certain safety zones within posted limits.

The ASE program includes the use of the AutoPatrol 3D radar fixed speed safety camera systems at the following locations within the City of Kirkland:

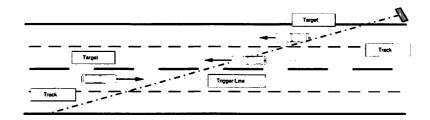
Location Code	Location Description	Lanes Monitored
KRKF001	NB 132 nd Ave NE @ Muir Elementary/Kamiakin Middle	1
KRKF002	SB 132 nd Ave NE @ Muir Elementary/Kamiakin Middle	1
KRKF003	EB 80 th St @ Rose Hill Elementary	1
KRKF004	WB 80 th St @ Rose Hill Elementary	1

The AutoPatrol 3D radar fixed speed safety camera system operates by measuring vehicle speed, as well as position relative to the radar to calculate and differentiate multiple vehicles in the radar beam. The speed of a moving vehicle is measured by Doppler radar. Doppler radar is a generally accepted technology used for measuring speed. The AutoPatrol 3D radar technology is used throughout the US and Europe as well as other countries and is approved by the Swiss national metrology institute- METAS.

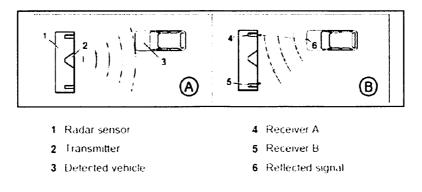
The AutoPatrol 3D radar fixed speed safety camera system uses a tracking radar sensor for measuring vehicle speeds and detecting speed violations. The AutoPatrol 3D radar is aligned at a fixed angle across the road. The AutoPatrol 3D radar emits a horizontal beam over the road surface as represented by the illustration below. The tracking radar can simultaneously detect multiple vehicles and measure their speed, distance, angle and movement within the radar beam. The radar tracks multiple vehicles by reconstructing vehicle movement from the measured object speed, angle and distance values. If a vehicle passes a defined trigger line, the radar outputs the vehicle's speed and lane information. The camera connected to the tracking radar uses this information to determine if there is a speed violation and to capture photographs showing the measured speed and lane on the databar of the captured images.

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The tracking radar utilizes the Doppler Effect for speed determination. If an electromagnetic wave is emitted at a moving object, then the wave is reflected back from the moving object. The frequency of the wave received back by the radar shifts based on the speed of the moving object and its direction of travel. The tracking radar continuously determines this frequency shift of each object to calculate the object's speed. The tracking radar consists of two receiving antennas integrated into a single radar sensor. This configuration allows the radar to measure the distance and angle of the vehicle relative to the position of the radar sensor. Illustration A and B show the measurement principle in simplified form. The radar sensor emits a radar beam (illustration A). The radar beam is reflected by the vehicle (illustration B). The two receivers receive the reflected radar beam. The radar sensor evaluates the return frequency, as well as the phase difference of the reflected radar beam from both of the receivers. With the aid of these values the radar sensor calculates the vehicle position.



Prior to operation each day, the system performs a system self-test. This self-test performs an electronic tuning fork test to produce a specific frequency and returns an associated speed value. Only if the return value meets the acceptance criteria to show that the system is operating correctly will the system enter measure mode. Unless a self-test is successful, the system will not enter measure mode and no violations will be captured. Additional information stored as metadata within each image includes coordinates of the vehicle position at the time of capture. This information is extracted and utilized through a secondary speed verification process to provide yet another means to validate offender speed and position based on the two images obtained and image analytics. In addition to the internal system checks and the manufacturer calibration certification, the 3D radar system is subject to routine and independent calibration check of the speeds produced by the system at least annually by a qualified technician.

Each day the computer which controls the fixed speed safety camera system is rebooted. The reboot is initiated each day and each time the computer is rebooted an internal check is performed on all operations of each fixed speed safety camera system, including the clocks, sensors, camera and speed calculating hardware and software, in order to verify that all operations are functioning correctly. When the internal check detects a problem with one of the operations on a given fixed speed safety camera system, then that particular fixed

speed safety camera system is inactivated and a request for service is relayed to ATS support personnel. This means that violations cannot be issued until any internal problem is fixed.

Speed validation tests are regularly performed on each installed and operable AutoPatrol 3D radar fixed speed safety camera system. The test is conducted by having a LIDAR Operator obtain true measurements of up to five vehicles per lane in the ascending and/or descending direction. The speed of the vehicle is captured by the LIDAR Operator and then relayed via cellular to an ATS Technician. The ATS Technician then compares the vehicle speed measured by the AutoPatrol 3D radar fixed speed safety camera system to the speed measured by the LIDAR Operator to ensure the accuracy of the AutoPatrol 3D radar fixed speed safety camera system. ATS maintains the results of each test in a Validation Report. The speed validation for each system was performed on the following date and the systems at each location were found to be in proper working order:

Location Code	Location Description	Date of Test		
KRKF001	NB 132 nd Ave NE @ Muir Elementary/Kamiakin Middle	2/20/2020		
KRKF002	SB 132 nd Ave NE @ Muir Elementary/Kamiakin Middle	2/20/2020		
KRKF003	EB 80 th St @ Rose Hill Elementary	2/20/2020		
KRKF004	WB 80 th St @ Rose Hill Elementary	2/20/2020		

Preventative maintenance, including visual inspections, is regularly performed on the AutoPatrol 3D radar fixed speed safety camera systems. Preventative maintenance activities include: cleaning of the cameras and housing, general site inspection of environment and road conditions, inspection of poles, bases and enclosures, and inspection of system cables and connections. The location and date that preventative maintenance is performed is recorded in the Preventative Maintenance Log, which along with the Validation Report(s) referenced above, is attached hereto.

I am a custodian, or otherwise qualified witness, as to the attached records. I make this declaration based on personal knowledge, and if called and sworn as a witness, I could and would testify as set forth in the following paragraph.

Attached as Exhibits are: Exhibit A - Speed Validation Reports, Exhibit B - Preventative Maintenance Logs, and Exhibit C - Annual System Verification Certificate for all AutoPatrol 3D radar fixed speed safety camera systems installed and used by the City of Kirkland. All documents and materials included as Exhibit A, Exhibit B and Exhibit C are authentic and are what they purport to be, and accurately describe the matters set forth therein. All such records are business records in that they are: (1) records kept in the ordinary course of business; (2) created at or near the time of the transactions or events reflected therein by, or based on information from, a person with knowledge of the transaction or events; and (3) kept as part of a regular business activity.

Based upon my education, training, experience, and knowledge of the AutoPatrol 3D radar fixed speed safety camera system, it is my opinion that the system is so designed and constructed as to accurately employ measurement techniques based on a division of distance over time in such a manner that it will give accurate measurements of the speed of motor vehicles.

I, Pasquale Mosso, certify (or declare) under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

Dated this <u>26th</u> day of <u>March</u>. 2020 in <u>Staten Island, New York</u>

Pasquale Mosso

Pasquale Mosso, Speed Validation Technician



Speed Validation Report Client: Kirkland, WA

Validation Date February 20, 2020

- KRKF001 NB 132nd Ave NE @ Muir Elementary/Kamiakin Middle
 - o Radar Serial Number: 590-112/63669
- KRKF002 SB 132nd Ave NE @ Muir Elementary/Kamiakin Middle
 - o Radar Serial Number: 590-112/63686
- KRKF003 EB 80th St @ Rose Hill Elementary
 - o Radar Serial Number: 590-112/63684
- KRKF004 WB 80th St @ Rose Hill Elementary
 - o Radar Serial Number: 590-112/63664

Equipment:

Pro-Lite Plus Hand held Lidar Serial Number: LP03606 Certification Date: January 23rd, 2020 Lidar Operator: Charles Goodrich RLC Operator: Pasquale Mosso

A speed validation test was conducted for the sites listed above. The Lidar Operator, Charles Goodrich, obtained true measurements of five vehicles per lane in the ascending and/or descending direction. Those speeds were obtained using a Kustom Signals Pro-Lite+ hand held Lidar instrument. The speed of the vehicle is captured by the Lidar Operator and then relayed via cellular to the RLC Technician, Pasquale Mosso. The RLC Technician is monitoring the vehicle speed at the Fixed Speed Camera system simultaneously to ensure the accuracy of the system. The speed validation tests performed on the above-listed dates confirmed the accuracy of the Fixed Speed Camera systems at each location.

I, Pasquale Mosso, certify that the information contained in this report is true and accurate.

Pasquale Mosso

Date: March 26th, 2020 Mesa, Arizona American Traffic Solutions Speed Integrity Team

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Certificate of Achievement
Speed Integrity Technician Has successfully completed the 16 hour course for Speed Integrity Technician This course encompasses all the necessary tasks required to perform the duties as a Speed Integrity Technician. Through this course each participant is required to display the proper competency through written and practical examinations. In addition, this course certifies each participants as a Lidar operator.
Presented to: Charles Goodrich
This Day: March 29, 2016 This Day: March 29, 2016 American Matthew Gioia Traffic Solutions* Matthew Gioia Police Traffic Laser/Radar Instructor
Certificate of Achievement
Certificate of Achievement Speed Integrity Technician Has successfully completed the course for Speed Inegrity Technician
Speed Integrity Technician
Open Integrity Technician Has successfully completed the course for Speed Inegrity Technician This course encompasses all the necessary tasks required to perform the duties as a Speed Integrity Technician. Through this course each participant is required to display the proper competencies in Radar and Laser
Open Integrity Technician Has successfully completed the course for Speed Integrity Technician This course encompasses all the necessary tasks required to perform the duties as a Speed Integrity Technician. Through this course each participant is required to display the proper competencies in Radar and Laser Technology. In addition, this course certifies each participants as a Lidar operator. Presented to: Presented to: August 01, 2018
Opened Integrity Technician Has successfully completed the course for Speed Inegrity Technician This course encompasses all the necessary tasks required to perform the duties as a Speed Integrity Technician. Through this course each participant is required to display the proper competencies in Radar and Laser Technology. In addition, this course certifies each participants as a Lidar operator. Presented to: Ansust 01, 2018



SOUTHERN CALIFORNIA RADAR/LASER CERTIFICATION LABORATORY P.O. Box 2397 Borrego Springs, CA 92004 619-922-3504

I certify that the Kustom Pro-Lite+, Serial Number LP03606 was tested on January 23, 2020, and was calibrated to be within the Manufacturers specifications for accuracy.

- · This unit meets or exceeds the NHTSA standards for accuracy.
- This unit is on the IACP Conforming Product List.
- This unit meets the standard set forth in eve 40802().

		Test Result	S	
Test	Min	Max	Read	Pass
Visual/Function	-	-	Inspect	Yes
Range @ 100 ft.	5	+.5	100.0	Yes
Beam Width	-	.003	.0013	Yes
Acquisition Time @ 60MPH	-	.3Sec	.18Sec	Yes
35MPH	-2 MPH	+1MPII	35MPH	Yes
50MPH	-2 MPH	+1MPH	50MPH	Yes
65MPH	-2 MPH	+1MPH	65MPH	Yes
Pulse Width	-	<100nS	22.5nS	Yes
PRF	200	200	200	Yes
Sight Accuracy	N/A	003	.001	Yes
Oscillator	19.9980	20.0020	19.999 MHz	Yes
Frequency	MHz	MHz		
Beam Power	-	175uW	156 uW	Yes
Total/7mm	-	26uW	15.8uW	Yes

This unit was thoroughly tested for accuracy using NHTSA and Manufacturers test methods with equipment specifically designed and built to ensure precision measurements under controlled conditions. This unit possed will applicable tests and is hereby certified to operate within the manufacturer's specifications and to conform to NHTSA standards to be accurate in the measurement of the speed of any vesicle. The original capits doctation has an embossied self of erable optication

I certify (or declare) under the penalty of perjury under the laws of the state of California that the foregoing is true and correct.

Date: January 23, 2020 By: William F. Dunable, MS/CIS, FCC Lic. # PG-11SD-2354





SELF-ACCURACY TEST Kustom Signals Pro-Lite+ Lidar Speed Measurement Tool

DATE:	2/20/2020	_
Start of shift "Self Di	agnostic test" time:	7:00:00 AM
Start of shift Distanc	e check:100'	lidar
End of shift "Self Dia	ngnostic test" time:	3:00 PM
End of shift Distance	check:100'	
City and State: K	Cirkland, WA	
Lidar Serial Number	::LP036	
Certification Date:	January 23 rd , 2	2020
OPERATOR	Charles Goodrich	

I, *Charles Goodrich*, certify that the Kustom Signals Pro-Lite+ Lidar speed measurement device was setup, tested, and operated in accordance with the manufactures specifications to include its self-diagnostic check.

Further, I certified that the self-check distance was completed and accurate.

Signature: and Date: 2/20/2020





Speed Validation Worksheet

Date				2/20/20	20		
Time		Contraction of the	9:39am				
Site ID			KRKF003				
Location			Ki	irkland, Was	shington		
Address			EB 80th	St @ Rose	Hill Elementary		
Posted Spee	ed Limit			20MP	Н		
Trigger Spe	ed Limit			26MP	н		
Speed Type			Fixe	d Speed/ So	chool Zone		
Lidar Techni	ician			Charles Go	odrich		
AutoPatrol Technician				Pasquale M	losso		
Lidar Serial Number			LP03606				
Radar Serial Number			590-113 / 63684				
Detection Ty	pe		Autopatrol-Radar Yes Yes				
Measure Mo	de Captur	e					
Photo enfor	cement sig	ins present					
Pass/ Fail				Yes			
Ascending o	r Descend	ling	Descending				
		revised 06/04/15 SIT M	M.G. proprietary and	confidential			
City Lane	Times	Lidar Speeds	AP Speeds	Delta	Comments		
1	9:41:21	24	24	0			
1	9:41:23	24	24	0			
1	9:42:48	30	29	-1			
1	9:44:14	23	23	0			
1	9:44:52	20	19	-1			



		and and one and and and and an	ic Solutions [™]	aboot			
Date		Speed Vall	dation Work	2/20/20	200		
Time				9:46a			
Site ID	-			KRKFO			
Location			Ki	rkland, Wa			
Address	the second				Hill Elementary		
Posted Spee	d Limit		The over	20MP			
Trigger Speed Limit				26MP			
Speed Type			Fixed Speed/ School Zone				
idar Technician			Charles Goodrich				
AutoPatrol T	echnician		Pasquale Mosso				
Lidar Serial I	Number		LP03606				
Radar Serial	Number		590-112 / 63664				
Detection Ty	pe		Autopatrol-Radar				
Measure Mo	de Captur	e	Yes				
Photo enfor	cement sig	ins present	Yes				
Pass/ Fail			Yes				
Ascending o	r Descend	ling	Descending				
		revised 06/04/15 SIT /	and the subscription of the second	confidential			
City Lane	Times	Lidar Speeds	AP Speeds	Delta	Comments		
1	9:46:16	16	17	1			
1	9:48:12	29	28	-1			
1	9:48:26	22	22	0			
1	9:49:21	20	20	0			
1	9:49:33	20	19	-1			







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Preventive Maintenance Checklist

Date: 02/27/2020

Vendor: NSA

Time: 08:18

Site ID: KRKF004

Location: 80th St @ Rose Hill Elementary

Technician Name: Sunny Yuen

Escalate to ATS:

The individual identified represents and warrants that he or she has personal knowledge of the information provided herein, that the information is true and correct as of the date set forth herein, and that the

information as set forth may be relied upon as a business record produced in the normal course of a regularly conducted business conducted business activity as a regular practice.

Item	Status	Note/Action
1.1 Clean dirt, grime, and graffiti off enclosure and clean glass.		
Clean Glass: If glass is cracked on the enclosure, immediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue.		
Clean graffiti: If cleaning is expected to take more than 15 minutes, immediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue.	NA	
Clean Enclosure: If enclosure moves while cleaning glass, immediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue.	NA	
1.2 Perform a general site inspection to include environmental and road conditions If fails, open a new repair ticket		
WVDs: check for any pucks popped out of the road or any visible cracks.	NA	
PLP/LL: check for exposed loop wire, cut loop wire, and wear and tear on epoxy.	NA	
1.3 Inspect poles, bases, enclosures. If any repair work is necessary that will take longer than 15 minutes to complete, immediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue.		
Ensure base does not have any cracks. Ensure bolts ae tight inside the base and also the latch bolt.	NA	
Ensure enclosure is well strapped to the pole and is not loose. Tighten if loose.		
n Glass: If glass is cracked on the enclosure, immediately stop work and contact your manager or the ATS Field Service ager via phone call to report the issue. n graffiti: If cleaning is expected to take more than 15 minutes, immediately stop work and contact your manager or the I Service Manager via phone call to report the issue. n Enclosure: If enclosure moves while cleaning glass, immediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue. Perform a general site inspection to include environmental and road conditions. If fails, open a new repair ticket De: check for any pucks popped out of the road or any visible cracks. //LL: check for exposed loop wire, cut loop wire, and wear and tear on epoxy. //LL: check for exposed loop wire, if any repair work is necessary that will take longer than 15 minutes to complete, ediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue. //LL: check hurricane collar and ensure screws are tight. //LL: me base does not have any cracks. Ensure bolts ae tight inside the base and also the latch bolt. //L are enclosure is well strapped to the pole and is not loose. Tighten if loose. // Service Manager via phone call to report the issue. // Check for any wear or damage.		
Check for any wear or damage.	NA	
Check for exposed wires on pole connecting to radar cables, camera enclosure, and strobe.	NA	

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Clean enforcment sign



Pole close up



Road surface with wire loops



Clean enclosure





Vendor: NSA



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Preventive Maintenance Checklist

Date: 02/27/2020	Time: 08:15	Site ID: KRKF003	Location: 80th St @ Rose Hill Elementary

Technician Name: Sunny Yuen

Escalate to ATS:

The individual identified represents and warrants that he or she has personal knowledge of the information provided herein, that the information is true and correct as of the date set forth herein, and that the

information as set forth may be relied upon as a business record produced in the normal course of a regularly conducted business conducted business activity as a regular practice.

Item	Status	Note/Action
1.1 Clean dirt, grime, and graffiti off enclosure and clean glass.		
Clean Glass: If glass is cracked on the enclosure, immediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue.	V	
Clean graffiti: If cleaning is expected to take more than 15 minutes, immediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue.	NA	
Clean Enclosure: If enclosure moves while cleaning glass, immediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue.	NA	
1.2 Perform a general site inspection to include environmental and road conditions If fails, open a new repair ticket		
WVDs: check for any pucks popped out of the road or any visible cracks.	NA	
PLP/LL: check for exposed loop wire, cut loop wire, and wear and tear on epoxy.	NA	
1.3 Inspect poles, bases, enclosures. If any repair work is necessary that will take longer than 15 minutes to complete, immediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue.		
Ensure pole is sturdy. Check hurricane collar and ensure screws are tight.	V	
Ensure base does not have any cracks. Ensure bolts ae tight inside the base and also the latch bolt.	NA	
Ensure enclosure is well strapped to the pole and is not loose. Tighten if loose.		
1.4 Inspect cables and connections. If any repair work is necessary, immediately stop work and contact your manager or the ATS Field Service Manager via phone call to report the issue.		
Check for any wear or damage.	NA	
Check for exposed wires on pole connecting to radar cables, camera enclosure, and strobe.	NA	

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Clean enforcment sign







Road surface with wire loops





Calibration Report

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System:	Sand Strend St.		OK	Frequency Test:					OK
					requi	red		measu	red
Type:			24F_ST_3	f ₀ :	24,120	GHz		24,119	GHz
Serial Numb	er:	590	-113/63664	∆f ₀₁ :	7.250	kHz		7.237	kHz
Firmware Ve	ersion:		G1J	Δf ₀₂ :	9.000	kHz		9.026	kHz
Firmware Ch	ecksum:		0x788A	Δf ₀₃ :	10.000	kHz		10.034	kHz
				Rel. Tx Pwr:	-35,00	dB		-32,53	dB
Configfile:		TR6	000chk.xml				1		
Versions:	E	77, H43, H8N	, H8M, H53	Beam Characteristics:					OK
					requi	red		measu	red
Date:			11.04.2019	RxTx Pwr:	-38,00	dB	Ó	-35,93	dB
Time:			09:52:32	Peak Pwr Angle:	0,00	deg		-0,28	deg
				Beam Width:	20,00	deg		20,28	deg
Temperature	<u>):</u>		22,6 °C						65
Humidity:			59 %	Boardtest:	The Work	210129	A PARTY AND	est. Stati	OK
					requi	red		measu	red
Fest Meas	urements	and stations	OK	Voltage (+3.3 V):	3,30	V		3,27	V
				Voltage (+1.8 V):	1,80	V	¢.	1,81	V
Simulated	Measured	Measured	Measured	Voltage (+1.2 V):	1,20	V		1,21	V
Speed	Speed	Angle	Distance	Voltage (+6.0 V):	6,00	V	0	6,06	V
[km/h]	[km/h]	[deg]	[m]	Voltage (+5.0 V):	5,00	V	Ċ	5,04	V
				Voltage (-5.0 V):	-5,00	V	6333	-4,97	V
10,0	10,1	0,0	3,5	Voltage (+4.1 V):	4,10	V	in the second	4,09	V
50,0	50,1	0,0	3,7	Voltage (-4.1 V):	-4,10	V	T	-4,08	V
100,0	100,2	0,0	3,7	Crystal Frequency:	0,00	Δppm	d	-44,58	∆ppn
200,0	199,8	0,1	3,7	Temperature (Board):	25,0	°C	NEW DATE	22,3	°C
250,0	249,9	0,1	3,7	Temperature (Acc.Sensor):	25,0	°C	Н	25,6	°C
300,0	300.0	0.1	3,7	Temperature (Frontend):	25,0	°C	and the second s	25,3	°C

Beam Characteristics: dB 5,00 RxTx Pwr - - - - Peak Pwr Angle 0,00 - -6dB -5,00 -10,00 -15,00 -20,00 -25,00 -40,00 -30,00 -20,00 -10,00 0,00 10,00 20,00 30,00 40,00 deg Certified by: go PASSED THIS DOCUMENT IS MAINTAINED 590-113_63664_20190411_095232.xls JENOPTIK Robot GmbH AS A PUBLIC RECORD IN

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Calibration Report

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System:	Martin State		OK	Frequency Test:					OK
-					requ	ired		measu	red
Туре:			24F_ST_3	f _o :	24,120	GHz		24,118	GHz
Serial Num		590	-113/63684	Δf ₀₁ :	7.250	kHz		7.250	kHz
Firmware V	ersion:		G1J	Δf_{02} :	9.000	kHz	Linto Dan	9.031	kHz
Firmware C	hecksum;		0x788A	Δf ₀₃ :	10.000	kHz		10.041	kHz
				Rel. Tx Pwr:	-35,00	dB		-32,57	dB
Configfile:		TR6	000chk.xml		6		1		1000
Versions:	E7	7, H43, H8N	, H8M, H53	Beam Characteristics:					OK
					requ	ired		measu	red
Date:			16.04.2019	RxTx Pwr:	-38,00	dB		-36,01	dB
Time:			11:36:10	Peak Pwr Angle:	0,00	deg	NO STOOL	-0,65	deg
				Beam Width:	20,00	deg	C D	20,24	deg
Temperatur	e:		24,6 °C			-	T.		
Humidity:			59 %	Boardtest:			可じたうは		OK
					requi	red		measu	red
lest Meas	surements		OK	Voltage (+3.3 V):	3,30	V	Ċ.	3,29	V
				Voltage (+1.8 V):	1,80	V	<u> </u>	1,80	V
Simulated	Measured	Measured	Measured	Voltage (+1.2 V):	1,20	V		1,20	V
Speed	Speed	Angle	Distance	Voltage (+6.0 V):	6,00	V	L D	6,04	V
[km/h]	[km/h]	[deg]	[m]	Voltage (+5.0 V):	5,00	V	d d	5,01	V
				Voltage (-5.0 V):	-5,00	V		-4,99	V
10,0	10,1	0,0	3,5	Voltage (+4.1 V):	4,10	V		4,10	V
50,0	50,1	0,0	3,7	Voltage (-4.1 V):	-4,10	V	ARE THERE	-4,09	V
100,0	100,2	0,0	3,7	Crystal Frequency:	0,00	Δppm	Party of the second second	-47,56	Δppm
200,0	199,8	0,0	3,7	Temperature (Board):	25,0	°C		24,0	°C
250,0	249,9	0,0	3,7	Temperature (Acc.Sensor):	25,0	1.0 800	L L	25,8	°C
300,0	300,0	0,0	3.7	Temperature (Frontend):	25,0	°C	L L	25,7	°C

