

CERTIFICATE OF CONFORMITY

Certificate No.: ZTS21092701WCE

Applicant	Chongqing shihuawei optoelectronic Technology Co. , Ltd.
	Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community
Manufacturer:	Chongqing shihuawei optoelectronic Technology Co. , Ltd.
	Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community
Product	Laser rangefinder telescope
Trade Name	SEELEE
Model(s)	SH001, SH002, SH003, SH005, SH006, SH008, SH102, SH106, SH107, SH108, SH115, SH117, SH118, SH162, SH163, SH165, SH168, SH169, SH182, SH183, SH185, SH193, SH195, SH196, SH198, SH202, SH205, SH206, SH208, SH212, SH213, SH215, SH216, SH218, SH219, SH221, SH225, SH228, SH229, SH258, SH259, SH268, SH268, SH303, SH306, SH308, SH309, SH313, SH309, SH328, SH329, SH332, SH335, SH336, SH339, SH506, SH508, SH512, SH515, SH518, SH519, SH523, SH525, SH528, SH552, SH553, SH556, SH558, SH559, SH561, SH562, SH563, SH565, SH566, SH568, SH583, SH585, SH586, SH588, SH589, SH592, SH593, SH595, SH596, SH598, SH599, SH603, SH605, SH608, SH609, SH610, SH612, SH615, SH618, SH619, SH620, SH625, SH626, SH626, SH628, SH631, SH632, SH635, SH636, SH638, SH655, SH681, SH682, SH683, SH685, SH686, SH688, SH689, SH695, SH696, SH698, SH699, SH802, SH805, SH806, SH808, SH809, SH815, SH818, SH816, SH818, SH819, SH821, SH823, SH825, SH826, SH832, SH833, SH835, SH836, SH839, SH851, SH852, SH853, SH855, SH856, SH858, SH858, SH859, SH866, SH868, SH889, SH898, SH898

It is only valid in connection with the test report number: **ZTS21092701WRE** Identification of regulation/standards

EN 61000-6-3: 2007+A1: 2011+AC: 2012 EN 61000-6-1: 2019 EN 61000-3-2: 2019 EN 61000-3-3: 2013+A1:2019

The EUT described above has been tested by us with the listed standards and found in compliance with the council **EMC Directive 2014/30/EU**. It is possible to use CE marking to demonstrate the compliance with this EMC Directive.

This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole production and other relevant directives have to be observed.





Bert Yang/Senior Man Sep. 30, 2021 9pproved

Shenzhen ZTS Testing Service Co., Ltd.

808, Building 1, 7th Industrial Zone, Yulv Community, Yutang Street, Guangming District, Shenzhen, Guangdong, ChinaWeb: www.zts-test.comTel: 400-8788-298Tel:0755-23245357Email: zts@zts-test.com



CERTIFICATE OF CONFORMITY

Certificate No.: ZTS21092702YCH

Applicant	Chongqing shihuawei optoelectronic Technology Co. , Ltd.						
	Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community						
Manufacturer:	Chongqing shihuawei optoelectronic Technology Co. , Ltd.						
	Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community						
Product	Laser rangefinder telescope						
Trade Name: Model(s)	SEELEE SH001, SH002, SH003, SH005, SH006, SH008, SH102, SH106, SH107, SH108, SH115, SH117, SH118, SH162, SH163, SH165, SH168, SH169, SH182, SH183, SH185, SH193, SH195, SH196, SH198, SH202, SH205, SH206, SH208, SH212, SH213, SH215, SH216, SH218, SH219, SH221, SH225, SH228, SH229, SH258, SH259, SH268, SH268, SH303, SH306, SH308, SH309, SH313, SH309, SH328, SH329, SH332, SH335, SH336, SH339, SH506, SH508, SH512, SH515, SH518, SH519, SH523, SH525, SH528, SH552, SH553, SH556, SH558, SH559, SH561, SH562, SH563, SH565, SH566, SH568, SH583, SH585, SH586, SH588, SH589, SH592, SH593, SH595, SH596, SH598, SH599, SH603, SH605, SH608, SH609, SH610, SH612, SH615, SH618, SH619, SH620, SH625, SH626, SH626, SH628, SH631, SH632, SH635, SH636, SH638, SH655, SH681, SH682, SH683, SH685, SH686, SH688, SH689, SH695, SH696, SH698, SH699, SH802, SH805, SH806, SH808, SH809, SH815, SH818, SH816, SH818, SH819, SH821, SH823, SH825, SH826, SH832, SH833, SH835, SH836, SH339, SH851, SH852, SH853, SH855, SH856, SH858, SH858, SH859, SH839, SH851, SH869, SH882, SH833, SH885, SH866, SH868, SH869, SH885, SH866, SH889, SH898, SH8998						

This is to certify that, on the basis of the tests undertaken as per Report No.: ZTS21092702YRH

IEC 62321-3-1:2013, IEC 62321-5:2013,IEC 62321-4:2013+A1:2017 IEC 62321-7-1:2015,IEC 62321-7-2:2017 , IEC 62321-6:2015 , IEC 62321-8:2017

And full test requirement of the RoHS Directive (EU) 2015/863 amending Annex II to Directive(EU) 2011/65/EU This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole production and other relevant directives have to be observed.





Bert Yang/Senior Ma Sep. 30, 2021 pproved



Shenzhen ZTS Testing Service Co., Ltd.



TEST REPORT

Applicant	: Chongqing shihuawei optoelectronic Technology Co., Ltd.						
Address	: Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community						
Report on the submitted	sample said to be:						
Sample name	: Laser rangefinder telescope						
Trade Model	 SEELEE SH001, SH002, SH003, SH005, SH006, SH008, SH102, SH106, SH107, SH108, SH115, SH117, SH118, SH162, SH163, SH165, SH168, SH169, SH182, SH183, SH185, SH193, SH195, SH196, SH198, SH202, SH205, SH206, SH208, SH212, SH213, SH215, SH216, SH218, SH219, SH221, SH225, SH228, SH229, SH258, SH259, SH268, SH268, SH303, SH306, SH308, SH309, SH313, SH309, SH328, SH329, SH332, SH335, SH336, SH339, SH506, SH508, SH512, SH515, SH518, SH519, SH523, SH525, SH528, SH552, SH553, SH556, SH558, SH559, SH561, SH562, SH563, SH565, SH566, SH568, SH583, SH585, SH586, SH588, SH589, SH592, SH593, SH595, SH596, SH598, SH599, SH603, SH605, SH608, SH609, SH610, SH612, SH615, SH618, SH619, SH620, SH625, SH626, SH626, SH628, SH631, SH632, SH635, SH636, SH638, SH655, SH668, SH682, SH683, SH685, SH686, SH688, SH689, SH695, SH696, SH698, SH699, SH802, SH805, SH806, SH808, SH809, SH815, SH818, SH816, SH818, SH819, SH821, SH823, SH825, SH826, SH832, SH833, SH835, SH836, SH839, SH851, SH852, SH853, SH855, SH856, SH858, SH858, SH899, SH802, SH805, SH806, SH808, SH809, SH815, SH818, SH816, SH818, SH819, SH821, SH823, SH825, SH826, SH832, SH833, SH835, SH836, SH839, SH851, SH852, SH853, SH855, SH856, SH858, SH858, SH859, SH866, SH868, SH869, SH882, SH883, SH885, SH866, SH868, SH869, SH866, SH868, SH869, SH882, SH883, SH885, SH866, SH868, SH869, SH866, SH868, SH869, SH882, SH883, SH885, SH866, SH868, SH869, SH885, SH886, SH889, SH998 						
Manufacture	: Chongqing shihuawei optoelectronic Technology Co., Ltd.						
Address	Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community						
Sample received date	: Sep. 26, 2021						
Testing period	: Sep. 26, 2021- Sep. 30, 2021						

TESTED SAMPLES	Test Requested:	Conclusion :.
Speakers	RoHS Directive (EU) 2015/863. — Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content	Pass
	—Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP),	15 resting 15 resting 15 15 resting 15 resting 15 15 resting 15 resting 15 16 resting 15 resting 1

****** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) ******

Shenzhen ZTS Testing Service Co., Ltd.

Tested By:	Jumy He	15 Testing Service
- Approved By:	(Junny He)	
n ⁶ 115 16 ⁵ 10 ⁶ 17 16 ⁵ 10 ⁶ 175 16 ⁵ 10 ⁶ 175 16 ⁵ 5 10 ⁶ 175 16 ⁵ 10 ⁶ 175 16 ⁵ 10 ⁶ 175 16 ⁵ 10 ⁶ 175 16 ⁵	Lab Manager: Bert	ang *
Date : _	Sep. 30, 2021	Approved



Test Part Description:.

Specimen No.	Description.
001	White plastic
002	Black plastic
003	Black silica gel
004	Red plastic
005	Button
006	Stainless steel sheet
007	Lens
008	Capacitor
009	Wire core
010	Resistance



TEST RESULT:

1.Lead. Cadmium. Mercury. Hexavalent Chromium. PBBs and PBDEs—RoHS Directive (EU) 2015/863.

Test Items	Unit	Test Method	Result	resting 1	S Testin	Nº TIS T	(esting)	MDL	Limit			
tine LIS restine LIS restine LI	S Testing	5 resting 15 resting 15 resting 15 resting 15	001	002	003	004	005	110 1	estine 175			
Lead (Pb)	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	N.D.	N.D.	N.D.	N.D.	2	1000			
Mercury (Hg)	mg/kg	IEC 62321-4:2013+A1:2017*, ICP-OES	N.D.	N.D.	N.D.	N.D.	N.D.	2	1000			
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	N.D.	N.D.	N.D.	N.D.	2	100			
Hexavalent Chromium (CrVI)	µg/cm²	IEC 62321-7-1:2015, UV-VIS	N.D.	N.D.	N.D.	N.D.	N.D.	0.10	0.10			
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	US rest			
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	5 -			
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	100 215			
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	restring L			
Pentabromobiphenyl	mg/kg	EC 62321-6:2015, GC-MS N.D. N.D. N.D. N.D.					N.D.	5	5 Testins			
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS N.D. N.D. N.D. N.D.		N.D.	5	175 Test						
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	100 113 100 100			
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	sting 15			
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	Testina Li			
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	5 Testink			
Sum of PBBs	mg/kg	- N.D. N.D. N.D. N.D.		N.D.	lest h	1000						
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	ing The L			
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	Cesting 17			
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	Testing 1			
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	115 Test 11			
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	IEC 62321-6:2015, GC-MS N.D. N.		N.D.	N.D.	N.D.	5	us LIS Tes uns LIS Tes tuns LIS Te tuns LIS T			
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	rest ins 17			
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS N.D. N.D. N.		N.D.	N.D.	N.D.	5	5 Te st tink 5 Te st tink 15 Test tink 15 Test tink 15 Test tink				
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	100 1 12 162			
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	sting Dig			
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	Test ine Di			
Sum of PBDEs	mg/kg	10 115 resting 115 resting 115 resting	N.D.	N.D.	N.D.	N.D.	N.D.	escins 1	1000			



Test Items	Unit	Test Method	Result	15 Testi	NE 115 1	CEELINE L	15 105	MDL	Limit
5 resting 15 resting 15 restin	16 The Lest	ing the resulting the restring the resolution	006	007	008	009	010	SLINE L	15 resting
Lead (Pb)	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	N.D.	N.D.	N.D.	N.D.	2	1000
Mercury (Hg)	mg/kg	IEC 62321-4:2013+A1:2017*,	N.D.	N.D.	N.D.	N.D.	N.D.	2	The The La
the US restine US restine US	S Testing	ICP-OES	Test ins L	5 restine	The Test	ing 215	Testin	a tres t	1000
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	N.D.	N.D.	N.D.	N.D.	2	100
Hexavalent Chromium (CrVI)	µg/cm²	IEC 62321-7-1:2015, UV-VIS	N.D.	N.D.	N.D.	N.D.	N.D.	0.10	0.10
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	108 175 70
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	Carling Lie
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	Leegine 1
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	US restin
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	ne 15 res
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	cing 113
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	resting Li
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	S Tenting
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	TTS TEST
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	Ins The Les
Sum of PBBs	mg/kg	15 reactions 15 rest ins 15 reactions 15	N.D.	N.D.	N.D.	N.D.	N.D.	1 115 Te	1000
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	Testing II
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	15 Test int
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	05 115 Test
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	Tue The Le
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	resting [75] resting [75] resting [75]
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	The rest in
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS N.D.		N.D.	N.D.	N.D.	N.D.	5	us LIS TEST
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	restine 11
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	S Terrine
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	N.D.	N.D.	N.D.	N.D.	5	175 18 500
Sum of PBDEs	mg/kg	Te time The restine the restin	N.D.	N.D.	N.D.	N.D.	N.D.	te test	1000

Note:

- 1. mg/kg = milligram per kilogram = ppm
- 2. N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit
- 4. "-" = Not Regulated
- 5. Boiling-water-extraction:

Negative = Absence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is less than $0.10\mu g$ with $1 cm^2$ sample surface area. Positive = Presence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is greater than $0.13\mu g$ with $1 cm^2$ sample surface area.

Inconclusive =the detected concentration in boiling-water-extraction solution is greater than 0.10µg and less than 0.13µg with 1cm² sample surface area.

- 6. Positive = result be regarded as not comply with RoHS requirement
- 7. Negative = result be regarded as comply with RoHS requiremen

2. Di-(2-ethylhexyl) phthalate(DEHP). Benzylbutyl phthalate(BBP). Dibutyl phthalate (DBP). Diisobutyl

phthalate (DIBP) Content-RoHS Directive (EU) 2015/863.

Test Items	Unit	Result					MDL	Limit
time 15 realized 15 realized 15 realized 15 realized 15	S less ine Lis	001	002	003	004	004 005	esting Its resting	The Lesting The Lest
Di-(2-ethylhexyl) phthalate (DEHP)	mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	50	1000
Benzylbutyl phthalate (BBP)	mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	50	1000
Dibutyl phthalate (DBP)	mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	50	1000

Test method: With reference to IEC 62321-8:2017*, analysis was performed by GC-MS.

Test Items	Unit	Resu	Result					Limit
the TS restine TS restine TS restine TS restine TS	Clesting 215	006	007	800	009	010	ending the rest	LINE ITS LESS LINE ITS TES
Di-(2-ethylhexyl) phthalate (DEHP)	mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	50	1000
Benzylbutyl phthalate (BBP)	mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	50	1000
Dibutyl phthalate (DBP)	mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	50	1000

Note:

- 1. mg/kg = milligram per kilogram = ppm
- 2. N.D. = Not Detected (<MDL)
- 3. MDL = Method detection limit
- 4. "*"=The test method of Phthalates is not authorized by CNAS



FLOW CHART FOR ROHS TESTING:

Pb/Cd/Hg/Cr6+ Testing Flow Chart

1) These samples were dissolved totally by pre-conditioningmethod according to below flow chart (Cr⁶⁺ test method excluded)





PBBs/PBDEs Testing Flow Chart





Phthalates Testing Flow Chart





PHOTOGRAPH OF SAMPLE



Photo 1



Photo 2





Photo 3



Photo 4





Photo 5

****END OF REPORT****



SUPPLIER'S DECLARATION OF CONFORMITY

Certificate No.: ZTS21092703PCF

This is to certify that, on the basis of the tests undertaken as per Report No.: **ZTS21092703PRF**, the submitted sample of the above item complies with:

FCC Part 15 subpart B Class B(2017), Measurement Procedure ANSI C63.4:2014.

This is the results of test that was carried out from the submitted type-sample of a product in conformity with the specification of the respective standards. The certificate holder has the right to fix the FCC-mark for EMI on the product complying with the inspection sample

This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole production and other relevant directives have to be observed.



Bert Yang/Senior Mana Sep. 30, 2021 pproved



Shenzhen ZTS Testing Service Co., Ltd.



FCC TEST REPORT

On Behalf of

Prepared For :	Chongqing shihuawei optoelectronic Technology Co. , Ltd.
the LIS teactive LIS teactive LIME LIS teactive LIS teactive LIME LIS teactive LIS teactive states LIS teactive LIS teaching to a the LIS teactive LIS teaching to a the LIS teactive LIS teaching to a the LIS teaching LIS teaching teaching LIS teaching teaching LIS teaching teaching LIS teaching teaching LIS	Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community
Trade Mark :	SEELEE
Product Name :	Laser rangefinder telescope
Model(s) :	 SH001, SH002, SH003, SH005, SH006, SH008, SH102, SH106, SH107, SH108, SH115, SH117, SH118, SH162, SH163, SH165, SH168, SH169, SH182, SH183, SH185, SH193, SH195, SH196, SH198, SH202, SH205, SH206, SH208, SH212, SH213, SH215, SH216, SH218, SH219, SH221, SH225, SH228, SH229, SH258, SH259, SH268, SH268, SH303, SH306, SH308, SH309, SH313, SH309, SH328, SH329, SH332, SH335, SH336, SH339, SH506, SH508, SH512, SH515, SH518, SH519, SH523, SH525, SH528, SH552, SH553, SH556, SH558, SH559, SH561, SH562, SH563, SH565, SH566, SH568, SH583, SH585, SH586, SH588, SH589, SH592, SH593, SH595, SH596, SH598, SH599, SH603, SH605, SH608, SH609, SH610, SH612, SH615, SH618, SH619, SH620, SH625, SH626, SH626, SH628, SH631, SH632, SH635, SH636, SH638, SH655, SH681, SH682, SH683, SH685, SH686, SH688, SH689, SH695, SH696, SH698, SH699, SH802, SH805, SH806, SH808, SH809, SH815, SH818, SH816, SH818, SH819, SH821, SH823, SH825, SH826, SH832, SH833, SH835, SH836, SH839, SH851, SH852, SH853, SH855, SH856, SH858, SH859, SH866, SH868, SH869, SH882, SH833, SH885, SH866, SH868, SH869, SH869, SH853, SH855, SH856, SH858, SH859, SH866, SH868, SH869, SH882, SH833, SH855, SH866, SH858, SH859, SH866, SH868, SH869, SH882, SH883, SH885, SH866, SH868, SH869, SH869, SH869, SH882, SH883, SH885, SH866, SH868, SH869, SH868, SH869, SH889, SH988
Prepared By:	Shenzhen ZTS Testing Service Co., Ltd. 808, Building 1, 7th Industrial Zone, Yulv Community, Yutano Street, Guangming District, Shenzhen, Guangdong, China Tel: 400-8788-298 Email: zts@zts-test.com
Test Date:	Sep. 26, 2021 to Sep. 30, 2021
Date of Report:	Sep. 30, 2021
Report No. :	ZTS21092703PRF

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of Shenzhen ZTS Testing Service Co., Ltd.



TABLE OF CONTENTS

Descri	ption	Page
The Re	port Description	
1 Gl	ENSH001L INFORMATION	4
1.1.	Description of Device (EUT)	4
1.2.	Description of test facility	4
1.3.	Test Standards	5
1.4.	Test Summary	
1.5.	Measurement Uncertainty	5
2. PC	OWER LINE CONDUCTED MEASUREMENT	6
2.1.	Test Equipment	6
2.2.	Block Diagram of Test Setup	6
2.3.	Power Line Conducted Emission Measurement Limits (Class B)	6
2.4.	Configuration of EUT on Measurement	
2.5.	Operating Condition of EUT	
2.6.	Test Procedure	7
2.7.	Power Line Conducted Emission Measurement Results	
3. RA	ADIATED EMISSION MEASUREMENT	8
3.1.	Test Equipment	8
3.2.	Block Diagram of Test Setup	8
3.3.	Radiated Emission Limit (Class B)	9
3.4.	EUT Configuration on Measurement	9
3.5.	Operating Condition of EUT	
3.6.	Test Procedure	
3.7.	Radiated Emission Measurement Results	

APPENDIX I (Photos of EUT)



TEST REPORT DECLARATION

Applicant	10 - 16 10 - 16	Chongqing shihuawei optoelectronic Technology Co. , Ltd.
Address :	et ing l' et ing trectng	Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community
Manufacturer:	(= 10 ⁵)	Chongqing shihuawei optoelectronic Technology Co. , Ltd.
Address :		Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community
EUT Description :	Tue L	Laser rangefinder telescope
Model Number	Insching resting	SH001
Rating(s)	15 185	DC 3V 0.25A, 0.75W

Test Standards:

FCC Part 15 subpart B Class B (2017)

The EUT described above is tested by US to determine the maximum emission levels emanating from the EUT, the maximum emission levels are compared to the FCC Part 15 limits. The measurement results are contained in this test report. and Shenzhen ZTS Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT is to be technically compliant with the FCC requirements

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen ZTS Testing Service Co., Ltd.

Date of Test:

Prepared by (Engineer) :

Reviewer by (Quality Manager) :

Approved by (Manager) :

Sep. 26, 2021 - S Turny He	Sep. 30, 2021
<u></u>	The sting Service
Tony mo	ZTS,Ltd.
Bort Tang	** Approved *



1 GENSH001L INFORMATION

1.1.Description of Device (EUT)

EUT	: Laser rangefinder telescope
Model Number	: SH001
Supplementary Model	 SH002, SH003, SH005, SH006, SH008, SH102, SH106, SH107, SH108, SH115, SH117, SH118, SH162, SH163, SH165, SH168, SH169, SH182, SH183, SH185, SH193, SH195, SH196, SH198, SH202, SH205, SH206, SH208, SH212, SH213, SH215, SH216, SH218, SH219, SH221, SH225, SH228, SH229, SH258, SH259, SH268, SH268, SH303, SH306, SH308, SH309, SH313, SH309, SH328, SH329, SH332, SH335, SH336, SH339, SH506, SH508, SH512, SH515, SH518, SH519, SH523, SH525, SH528, SH552, SH553, SH556, SH558, SH559, SH561, SH562, SH563, SH565, SH566, SH568, SH583, SH585, SH586, SH588, SH589, SH592, SH593, SH595, SH596, SH598, SH599, SH603, SH605, SH608, SH609, SH610, SH612, SH615, SH618, SH619, SH620, SH625, SH626, SH626, SH628, SH631, SH632, SH635, SH636, SH638, SH655, SH681, SH682, SH683, SH685, SH686, SH688, SH689, SH695, SH696, SH698, SH699, SH802, SH805, SH806, SH808, SH809, SH815, SH818, SH816, SH818, SH819, SH821, SH823, SH825, SH826, SH832, SH833, SH835, SH836, SH839, SH851, SH825, SH826, SH832, SH833, SH835, SH836, SH839, SH851, SH852, SH846, SH882, SH883, SH885, SH866, SH868, SH869, SH868, SH869, SH899, SH998
Test Voltage	: DC 3V 0.25A, 0.75W
Applicant Address	 Chongqing shihuawei optoelectronic Technology Co., Ltd. Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community
Manufacturer Address	 Chongqing shihuawei optoelectronic Technology Co., Ltd. Beibei district, Chongqing Beibei Hot Spring Town Qianjin big house community

1.2. Description of test facility

All measurement required was performed at laboratory of Shenzhen ZTS Testing Technology Co., ltd at 808, Building 1, 7th Industrial Zone, Yulv Community, Yutang Street, Guangming District, Shenzhen, Guangdong, China

Shenzhen ZTS Testing Technology Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission.



1.3. Test Standards

The following Declaration of Conformity report of EUT is prepared in accordance with 47CFR Part 15(2014): Radio Frequency Device: Subpart B; Unintentional radiators Class B

ANSI C63.4 (2009): Interim Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz.

1.4. Test Summary

TEST ITEMS	RESULT	NOTE
Disturbance voltage at a.c. mains terminal	PASS	to resting the res
Radiated emission	PASS	E LES TESTONE LES

Notes:N/A=Not Applicable

1.5.Measurement Uncertainty

Radiation Uncertainty	Cine 175	$Ur = \pm 3.84 dB$
Conduction Uncertainty	S test in	$Uc = \pm 2.72 dB$





2. POWER LINE CONDUCTED MEASUREMENT

2.1.Test Equipment

The following test equipments are used during the power line conducted measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1. sesting	Test Receiver	Rohde & Schwarz	ESCS30	8289851018	Nov. 20, 2020	1 Year
2.	L.I.S.N.	Rohde & Schwarz	ESH2-Z5	834549/005	Nov. 20, 2020	1 Year
3.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	Nov. 20, 2020	1 Year
4.	RF Cable	FUJIKURA	RG-55/U	LISN Cable	Nov. 20, 2020	1 Year

2.2.Block Diagram of Test Setup

2.2.1 Block diagram of connection between the EUT and simulators



(EUT: Laser rangefinder telescope)

2.2.2 Block diagram of test setup



(EUT: Laser rangefinder telescope)

2.3. Power Line Conducted Emission Measurement Limits (Class B)

Frequency	Limits dB(µV)		
MHz	Quasi-peak Level	Average Level	
0.15 ~ 0.50	66 ~ 56*	56~46*	
0.50 ~ 5.00	56	46	
5.00 ~ 30.00	60	50	

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.



2.4. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

EUT : Laser rangefinder telescope Model Number : SH001

2.5. Operating Condition of EUT

- 2.5.1. Setup the EUT and simulator as shown as Section 2.2.
- 2.5.2. Turn on the power of all equipment.
- 2.5.3. Let the EUT work in test mode (Normal) and measure it.

2.6. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides 50ohm-coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC/ANSI C63.4-2009 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9KHz.

The frequency range from 150KHz to 30MHz is checked.

The test result is reported on Section 2.7.

The frequency range from 150KHz to 30 MHz is investigated.

2.7. Power Line Conducted Emission Measurement Results

N/A



3. RADIATED EMISSION MEASUREMENT

3.1.Test Equipment

The following test equipments are used during the radiated emission measurement:

3.1.1.For Anechoic Chamber

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	ANRITSU	MS2661C	6200140915	Nov. 20, 2020	1 Year
2.	Test Receiver	Rohde & Schwarz	ESCS30	828985/018	Nov. 20, 2020	1 Year
3.	Bilog Antenna	Schwarzbeck	VULB9163	142	Nov. 20, 2020	1 Year
4.	50 Coaxial Switch	Anritsu Corp	MP59B	6100237248	Nov. 20, 2020	1 Year
5.	Cable	Schwarzbeck	AK9513(1m)	CR RX2	Nov. 20, 2020	1 Year
6.	Cable	Schwarzbeck	AK9513(10m)	AC RX1	Nov. 20, 2020	1 Year
7.	Cable	Rosenberger	N/A(6m)	CR RX1	Nov. 20, 2020	1 Year
8.	Cable	Rosenberger	N/A(10m)	FP2RX2	Nov. 20, 2020	1 Year
9.	DC Power Filter	MPE	23872C	N/A	Nov. 20, 2020	1 Year
10.	Single Phase Power Line Filter	MPE	23332C	N/A	Nov. 20, 2020	1 Year
11. 100 A	3 Phase Power Line Filter	MPE	23333C	N/A	Nov. 20, 2020	1 Year
12.	Signal Generator	HP	8648A	3625U00573	Nov. 20, 2020	1 Year

3.2.Block Diagram of Test Setup

3.2.1.Block diagram of connection between the EUT and simulators

Auxiliary	15 Test int 11	EUT
	These ine	TTS TESTIME ITS

(EUT: Laser rangefinder telescope)



3.2.2. Anechoic Chamber Test Setup Diagram



(EUT: Laser rangefinder telescope)

3.3.Radiated Emission Limit (Class B)

FREQUENCY	DISTANCE	FIELD STRENGTHS LI	
MHz	Meters	μV/m	dB(µV)/m
30 ~ 88	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100	40.0
88 ~ 216		150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	Test int It's to 3 int It's test	500	54.0

Remark : (1) Emission level (dB) μ V = 20 log Emission level μ V/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

3.4.EUT Configuration on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

Laser rangefinder telescope(EUT)

Model Number : SH001



3.5.Operating Condition of EUT

- 1. Setup the EUT as shown in Section 3.2.
- 2. Let the EUT work in test mode (Normal) and measure it.

3.6. Test Procedure

EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2009on radiated emission measurement. The bandwidth of the EMI test receiver (R&S ESCS30) is set at 120KHz.

The frequency range from 30MHz to 1000MHz is investigated.

3.7.Radiated Emission Measurement Results

PASS

Please reference to the following pages

Radiated emissions were conducted in charging mode and discharging mode and the worst case (discharging mode) was reported only.



Radiated Emission Test Data

EUT:	Laser rangefinder telescope
M/N:	SH001
Operating Condition:	Normal work
Test Site:	3m CHAMBER
Operator:	Mark
Test Specification:	Steet int 15 certine 15 certine 15
Comment:	Polarization: Vertical





Radiated Emission Test Data

EUT:	Laser rangefinder telescope					
M/N:	SH001					
Operating Condition:	Normal work					
Test Site:	3m CHAMBER					
Operator:	Mark					
Test Specification:	5 7 5 7 5 10 1 1 5 7 5 5 5 1 10 1 5 7 5 5 5 5 1 5 7 5 5 5 5 5 5 5 5 5 5					
Comment:	Polarization: Horizontal					



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		40.9881	33.47	-15.67	17.80	40.00	-22.20	peak			
2	×	149.4857	36.49	-14.70	21.79	43.50	-21.71	peak			



APPENDIX I (PHOTOS OF EUT)





FIGURE GENSH001L APPEARANCE OF EUT



Photo 1







Photo 3



Photo 4





Photo 5

####