GRAND-DUCHÉ DE LUXEMBOURG

Ministère du Développement durable et des Infrastructures
Département des Transports

L-2938 Luxembourg

SOCIÉTÉ NATIONALE DE CERTIFICATION ET D'HOMOLOGATION
s.à r.l.
Registre de Commerce: B 27180

L-5201 Sandweiler

Référence: E13*10R05/01*13796*01

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Luxembourg, le 17 août 2018

Communication concernant:[(2)]
Communication concerning:

E13

- ~~**la délivrance d'une homologation**~~
~~approval granted~~
- **l'extension d'homologation**
approval extended
- ~~**le refus d'homologation**~~
~~approval refused~~
- ~~**le retrait d'homologation**~~
~~approval withdrawn~~
- ~~**l'arrêt définitif de la production**~~
~~production definitely discontinued~~

d'un type de sous-ensemble ~~électrique~~/électronique[(2)] en ce qui concerne le Règlement N° 10
of a type of ~~electrical~~/electronic sub-assembly with regard to Regulation N° 10

Numéro d'homologation par type:
Approval number: E13*10R05/01*13796*01

Marque d'homologation:
Approval mark: E13 10R - 05 13796

1.	**Fabricant: (marque commerciale du constructeur):** Make (trade name of manufacturer):	Ningbo SAFE Brakes System Co., Ltd (for logo refer to manufacturer's information document)
2.	**Type:** Type:	SF10
	Dénomination(s) commerciale(s) générale(s): General commercial description(s):	ABS
	Version(s)/Variante(s): *Version(s)/Variant(s):*	*SF10-2*
3.	**Moyens d'identification du type, s'ils sont marqués sur le ~~véhicule~~ / composant / ~~entité technique~~[(2)]:** Means of identification of type, if marked on the ~~vehicle~~ / component / ~~separate technical unit~~:	See item 6.
3.1.	**Emplacement de ce marquage:** Location of that marking:	See item 6.

4.	**Catégorie du véhicule:** Category of vehicle:	Not applicable
5.	**Nom et adresse du constructeur:** Name and address of manufacturer:	Ningbo SAFE Brakes System Co., Ltd No. 8 Zhongyang Road, Shangyang Industrial Zone, East Qianhu Town, Yinzhou District, Ningbo City, Zhejiang Province P.R. CHINA
6.	**Dans le cas de composants ou d'entités techniques, emplacement et procédé de fixation de la marque de réception CEE:** In the case of components and separate technical units, location and method of affixing of the ECE approval mark:	Self adhesive label on the housing
7.	**Adresse(s) de l' (des) usine(s) d'assemblage:** Address(es) of assembly plant(s):	Ningbo SAFE Brakes System Co., Ltd No. 8 Zhongyang Road, Shangyang Industrial Zone, East Qianhu Town, Yinzhou District, Ningbo City, Zhejiang Province P.R. CHINA
8.	**Informations supplémentaires (s'il y a lieu):** Additional informations (where applicable):	See appendix
9.	***Autorité déléguée:*** *Assigned authority:*	*Société Nationale de Certification et d'Homologation* *L-5201 Sandweiler*
	Service technique responsable de l'exécution des essais: Technical service responsible for carrying out the tests:	ATE EL s.à r.l. 14, op Huefdreisch L-6871 Wecker
10.	**Date du rapport d'essai:** Date of test report:	11.06.2018
11.	**Numéro du rapport d'essai:** Number of test report:	61SFA0001B
12.	**Remarques (s'il y a lieu):** Remarks (if any):	See appendix

13. **Lieu:** Luxembourg
Place:

14. **Date:** 17 août 2018
Date:

15. **Signature:**
Signature:

Pour le Ministre du Développement durable et des Infrastructures

Pour la SNCH

Marco FELTES
Inspecteur Principal 1er en rang

Laurent LINDEN
Attaché de Direction

16. **L'index de l'ensemble des renseignements déposé chez l'autorité de réception, qui peut être obtenu sur demande, est joint.**
The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

See index to type-approval report

17. **Raison(s) de l'extension:** Refer to Annex I1 of Technical Report
Reason(s) for extension:

[2] **Biffer la mention inutile**
Strike out what does not apply

Appendice
Appendix

au certificat d'homologation par type N° E13*10R05/01*13796*01
to type-approval certificate N° E13*10R05/01*13796*01
concernant l'homologation par type d'un sous ensemble électrique/électronique selon le Règlement N° 10.
concerning the type-approval of an electrical/electronic sub-assembly under Regulation N° 10.

1.	**Informations supplémentaires.** Additional information.		
1.1.	**Tension nominale du système électrique [V]:** Electrical system rated voltage [V]:	12V DC	
	Masse: Ground:	Negative / ~~Positive~~ (2)	
1.2.	**Ce SEEE peut être utilisé sur n'importe quel type de véhicule avec les restrictions suivantes:** This ESA can be used on any vehicle type with the following restrictions:	None	
1.2.1.	**Conditions d'installation, s'il y a lieu:** Installation conditions, if any:	None	
1.3.	**CE SEEE peut seulement être utilisé sur les types de véhicules suivants:** This ESA can be used only on the following vehicle types:	Not applicable	
1.3.1.	**Conditions d'installation, s'il y a lieu:** Installation conditions, if any:	Not applicable	
1.4.	**La (les) méthode(s) spécifique(s) d'essais utilisée(s) et les bandes de fréquences couvertes pour déterminer l'immunité étai(ent): (indiquez s'il vous plaît à partir de l'annexe 9 la méthode précise utilisée).** The specific test method(s) used and the frequency ranges covered to determine immunity were: (Please specify precise method used from annex 9).	Bulk current injection test 20 to 400MHz Absorber chamber test 400 to 2000MHz	ISO 11452-4 ISO 11452-2
1.5.	**Laboratoire accrédité au titre de la norme ISO 17025 et reconnu par l'autorité d'homologation chargé d'effectuer les essais:** Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests:	Not applicable	
2.	**Commentaires:** Remarks:	None	

GRAND-DUCHÉ DE LUXEMBOURG

Ministère du Développement durable et des Infrastructures
Département des Transports

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SOCIÉTÉ NATIONALE DE CERTIFICATION ET D'HOMOLOGATION
s.à r.l.
Registre de Commerce: B 27180

L-5201 Sandweiler

Référence: E13*10R05/01*13796*01

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Luxembourg, le 17 août 2018

Index du dossier d'homologation

Index to type-approval report

	Numéro d'homologation: Approval number:	E13*10R05/01*13796*01
	Révision: Revision:	00
	Marque de fabrique ou de commerce: *Trade name or mark:*	*Ningbo SAFE Brakes System Co., Ltd* *(for logo refer to manufacturer's information document)*
	Type: *Type:*	*SF10*
1.	**Procès-verbal d'essai:** Test report:	N° 61SFA0001B
	- Technical report: - Index: - Test report: - General information:	Page 1 & 2 Annex I1 – Page 1 Annex T – Page 1 to 11 Annex GI1 – Page 1 & 2
2.	**Dossier du constructeur:** Report of the manufacturer:	N° SF10-01-R10
	- Manufacturer's information document:	Page 1 to 7
3.	**Autres documents annexés:** Other documents annexed:	Not applicable
4.	**Date de délivrance de l'homologation initiale:** Date of issue of initial type approval:	30.11.2015
5.	**Date de la dernière délivrance de pages révisées:** Date of last issue of revised pages:	Not applicable
6.	**Date de la dernière délivrance d'une homologation révisée:** Date of last extension:	17.08.2018

Allied Technology Experts-
Enterprise of Luxembourg

Technical Report No. 61SFA0001B
Type: SF10

Tests and inspection concerning

ELECTROMAGNETIC COMPATIBILITY

according to the ECE Regulation No. 10 including all amendments
up to Series 05, Supplement 1 of 08.10.2016

Manufacturer: Ningbo SAFE Brakes System Co., Ltd
No.8 Zhongyang Road, Shangyang Industrial Zone,
East Qianhu Town, Yinzhou District,
Ningbo City, Zhejiang Province,
P. R. China

Type: SF10

Type of Approval:	Type Approval No.:	Manufacturer:
ECE	E13*10R05/01*13796*01	Ningbo SAFE Brakes System

Conclusion: The tests and checks carried out have shown the compliance of the type described in this report and the attached annexes with the Regulation mentioned above.

Shanghai, 11.06.2018

Mengting Xu
Ingénieur Inspecteur

Index: see Annex I1

ATE EL s.à r.l.
14, op Huefdreisch
L-6871 Wecker

Tel.: +352 26 787 715
Fax: +352 26 787 716
admin@ateel.lu

Allied Technology Experts-
Enterprise of Luxembourg

Technical Report No. 61SFA0001B
Type: SF10

1 Tests and inspection results

Refer to Annex T

2 Type and variants

The tests and inspections carried out and described in this technical report have been selected in order to include the following variants and versions of the type and its equipments, as far as these are relevant for the topic of this report, into the judgement:

As stated in Annex MID (Manufacturer's Information Document):	**Item**
- Variant(s)	2.

3 Remark

3.1 General

None.

3.2 Extension 01

New tests have been run and new test results have been added.

Allied Technology Experts-
Enterprise of Luxembourg

Technical Report No. 61SFA0001B
Type: SF10

Compilation of Dossier No.: 61SFA0001

Extension 00

Technical Report no.: 61SFA0001A page 1 and 2

Composition of Annex:

I1:	**I**ndex	page 1
T:	General **T**est Report	page 1 to 9
GI1:	**G**eneral **I**nformation	page 1 to 2
MID:	**M**anufacturer's **I**nformation **D**ocument	page 1 to 6
	Index of the appendices to the Manufacturer's Information Document:	see Annex MID,page 1

Extension 01

Technical Report no.: 61SFA0001B page 1 and 2

Composition of Annex:

I1:	**I**ndex	page 1
T:	General **T**est Report	page 1 to 11
GI1:	**G**eneral **I**nformation	page 1 to 2
MID:	**M**anufacturer's **I**nformation **D**ocument	page 1 to 7
	Index of the appendices to the Manufacturer's Information Document:	see Annex MID,page 1

Content of extension:

to be added:
- item 2. Variant(s): SF10-2
- the assembly plant: Ningbo SAFE Brakes System Co., Ltd
- annex MID Drawing No.: SCHEMATIC and PCB for variant SF10-2.

to be updated:
- UNECE regulation No 10 including all amendments up to Series 05, Supplement 1

to be corrected:
- none

to be changed:
- the editorial arrangement

to be deleted:
- the assembly plant: Ningbo Norkin Precision Hardware Industry Co., Ltd.
- annex MID: List of main component constituting the ESA

Allied Technology Experts-
Enterprise of Luxembourg

Technical Report No. 61SFA0001B
Type: SF10

General Test Report

The data in this section refer only to the items submitted to testing or inspection.

0	**Abstract**	
0.1	Type	SF10
1	**Dates and resources**	
1.1	Date of receipt of test item	14.10.2015 **27.05.2018**
1.2	Date of test	14.10.2015 **27.05.2018**
1.3	Place of test	Motorcycle Test Technology Institute of China South Industries Group Corporation Xi'an, Shanxi, China **Compliance Certification Services Inc.(CCSRF) Shanghai, China**

1.4 Testing site and testing equipment:

All measuring and test equipment used to carry out the inspections are in accordance with ISO 17025 and the regulatory act(s) applied.

1.5 Resources

1.5.1 Configuration other than "REESS charging mode coupled to the power grid"

1.5.1.1 Broadband and narrowband emissions:

1.5.1.1.1 Broadband emissions

The requirements of item 3 and item 4 of Annex 7 of the Regulation have been fulfilled.
The test have been conducted in measurements performed in a semi anechoic chamber.

1.5.1.1.2 Narrowband emissions

The requirements of item 3 and item 4 of Annex 8 of the Regulation have been fulfilled.
The test have been conducted in measurements performed in a semi anechoic chamber.

1.5.1.2 The immunity of ESAs to electromagnetic radiation

The requirements of item 3 and item 4 of Annex 9 of the Regulation have been fulfilled.
The specific test requirements shall include the absorber chamber test and bulk current injection testing.

General Test Report

1.5.1.3 The immunity to transient disturbances conducted along supply lines

The requirements of item 2 of Annex 10 of the Regulation have been fulfilled.
This test method shall ensure the immunity of ESAs to conducted transients on the vehicle power supply.

1.5.1.4 The emission of conducted disturbances

The requirements of item 3 of Annex 10 of the Regulation have been fulfilled.
This test method shall ensure limit conducted transients from ESAs to the vehicle power supply.

1.5.2 Configuration "REESS charging mode coupled to the power grid"

1.5.2.1 Broadband emissions

Not applicable. Other ESA's than involved in "REESS charging mode coupled to the power grid"

1.5.2.2 The immunity of ESAs to electromagnetic radiation

Not applicable. Other ESA's than involved in "REESS charging mode coupled to the power grid"

1.5.2.3 Emission of harmonics on AC power lines from an ESA

Not applicable. Other ESA's than involved in "REESS charging mode coupled to the power grid"

1.5.2.4 Emission of voltage changes, voltage fluctuations and flicker on AC power lines from an ESA

Not applicable. Other ESA's than involved in "REESS charging mode coupled to the power grid"

1.5.2.5 Emission of radiofrequency conducted disturbances on AC or DC power lines from an ESA

Not applicable. Other ESA's than involved in "REESS charging mode coupled to the power grid"

1.5.2.6 Emission of radiofrequency conducted disturbances on network and telecommunication access from an ESA

Not applicable. Other ESA's than involved in "REESS charging mode coupled to the power grid"

1.5.2.7 Immunity of an ESA to electrical fast transient/burst disturbances conducted along AC and DC power lines

Not applicable. Other ESA's than involved in "REESS charging mode coupled to the power grid"

1.5.2.8 Immunity of ESA to surge conducted along AC and DC power lines

Not applicable. Other ESA's than involved in "REESS charging mode coupled to the power grid"

General Test Report

2 Test object

The tests were conducted with a test ESA which is representative of the ESA type to be approved.

2.1 Description

The ESA is an ABS.
The ESA can be used with 12V(DC) voltage, negative ground.
ESA configuration: Other ESA's than involved in "REESS charging mode coupled to the power grid"
Type: SF10
Variant: SF10-2

2.2 Equipment

Optional equipment installed on the ESA: none

3 Tests and inspections

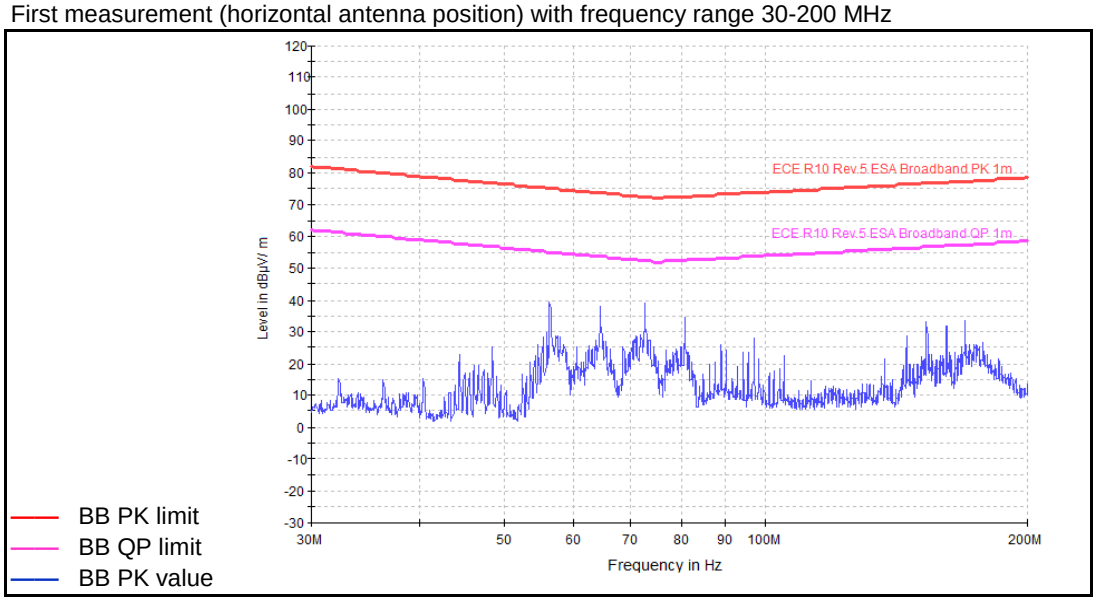
3.1 Measurement of radiated broadband electromagnetic emissions from ESA

The test is performed on 12V voltage system.

Antenna position:	According to Annex 7, item 3.1
Limit values	According to item 6.5.2.1 of the Regulation
Bandwidth:	120 kHz
Frequency range:	30 to 1000 MHz
Detector:	Type: SF10: Peak (CISPR 12)
	Variant: SF10-2: Quasi Peak (CISPR 12)
ESA condition:	According to item 2 of Annex 7 of the Regulation

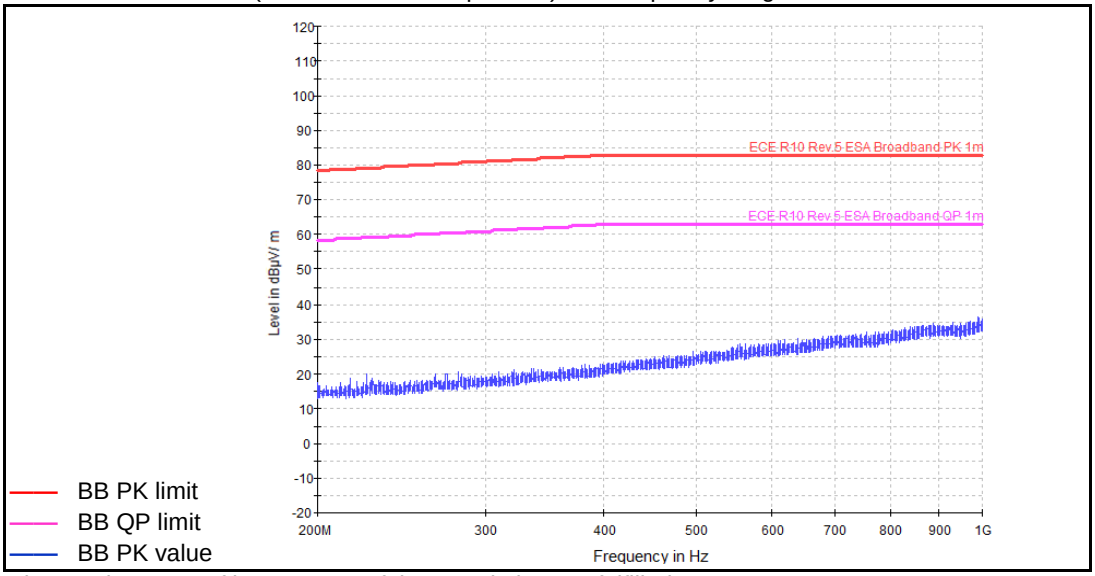
3.1.1 Test results:

First measurement (horizontal antenna position) with frequency range 30-200 MHz



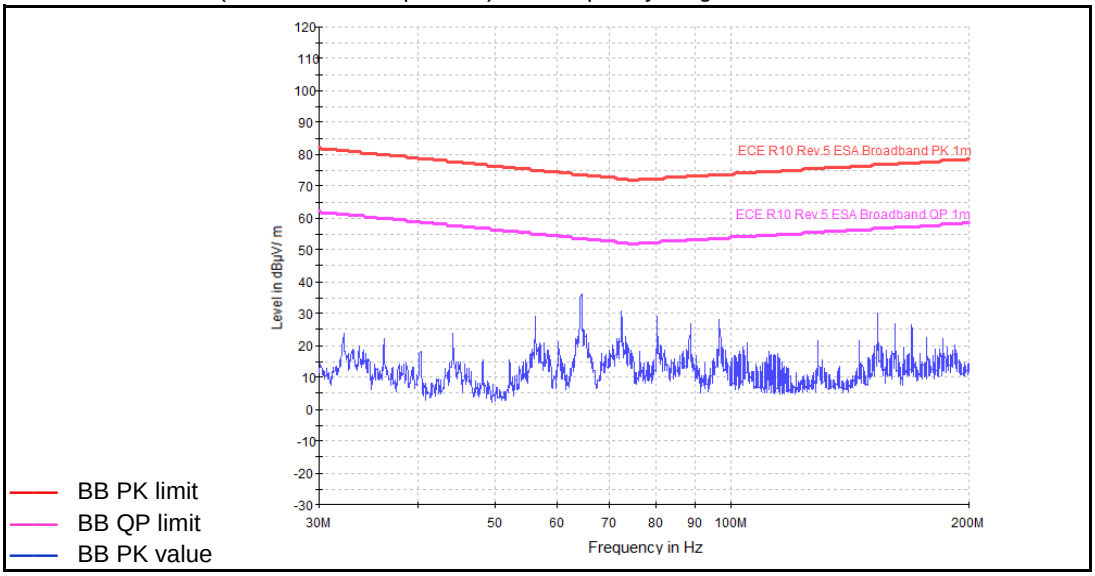
General Test Report

Second measurement (horizontal antenna position) with frequency range 200-1000 MHz



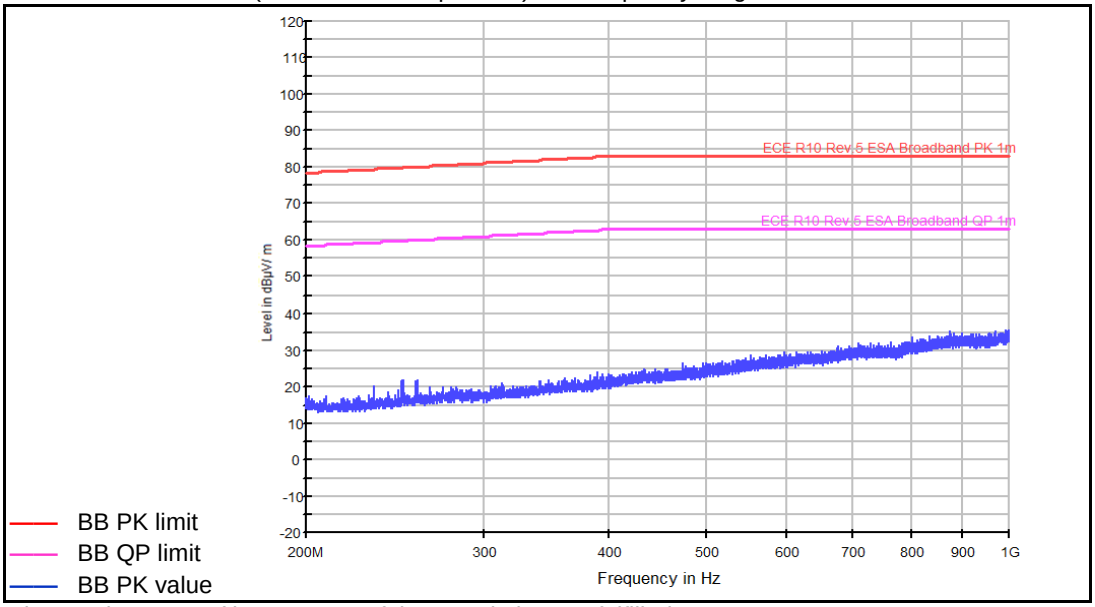
The requirements of item 6.5.2.2 of the Regulation are fulfilled.

First measurement (vertical antenna position) with frequency range 30-200 MHz



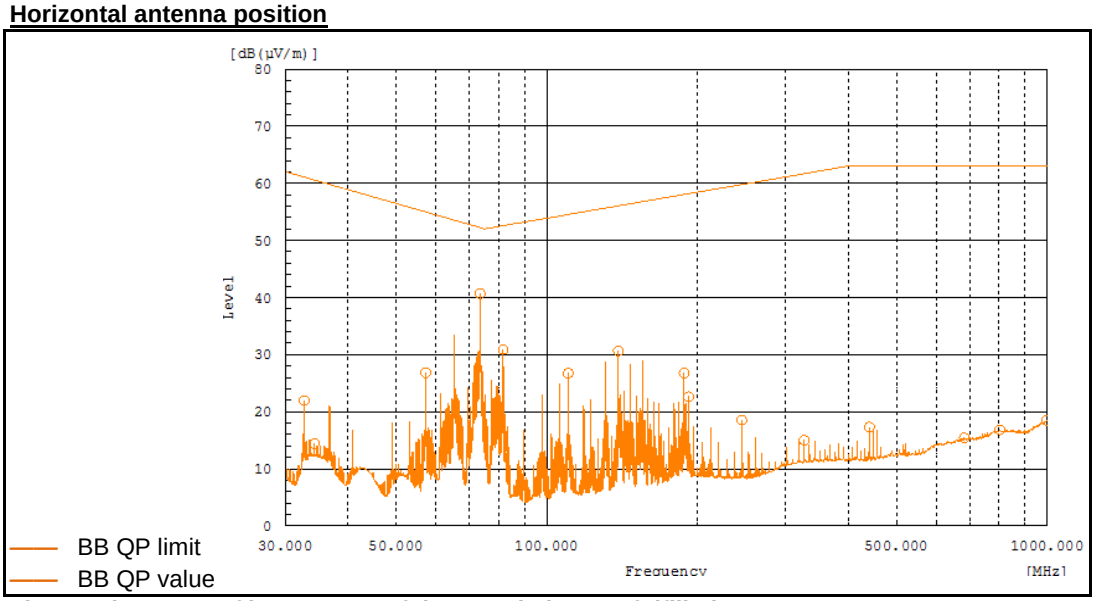
General Test Report

Second measurement (vertical antenna position) with frequency range 200-1000 MHz



The requirements of item 6.5.2.2 of the Regulation are fulfilled.

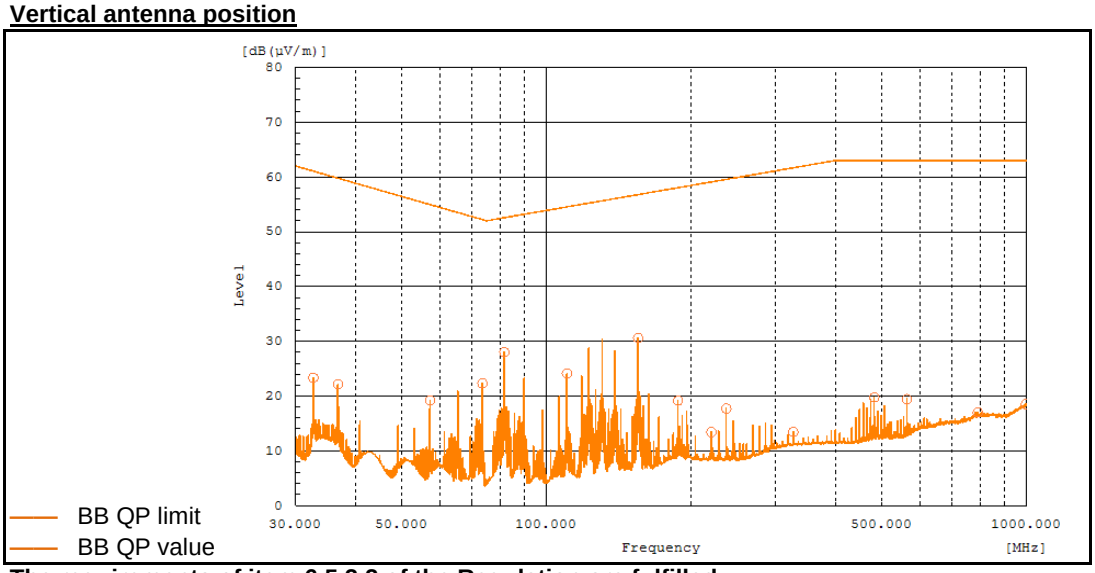
Variant: SF10-2
Horizontal antenna position



The requirements of item 6.5.2.2 of the Regulation are fulfilled.

General Test Report

Vertical antenna position



The requirements of item 6.5.2.2 of the Regulation are fulfilled.

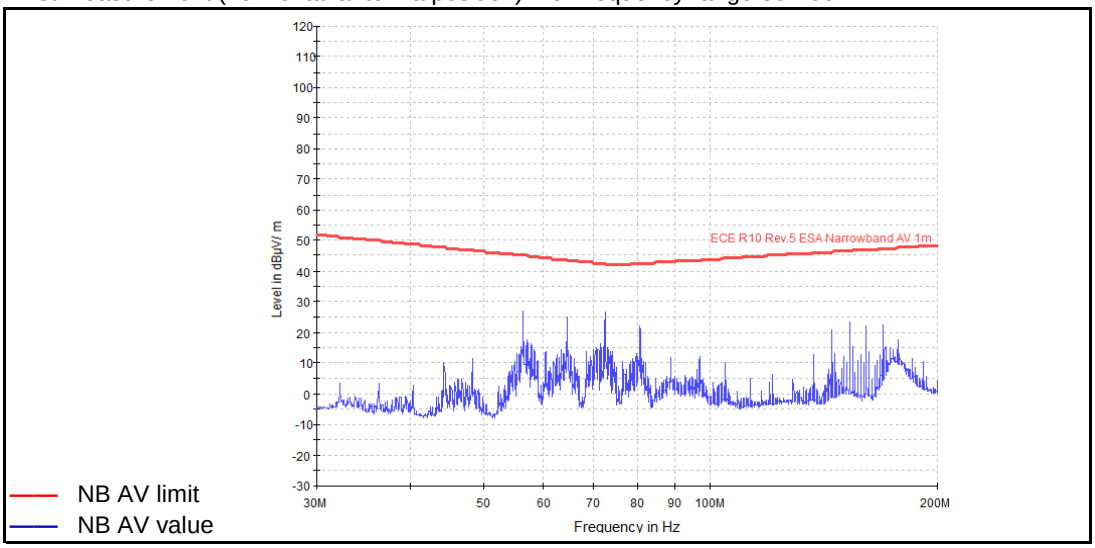
3.2 Measurement of radiated narrowband electromagnetic emissions from ESA

The test is performed on 12V voltage system.

Antenna position:	According to Annex 8, item 3.1
Limit values	According to item 6.6.2.1 of the Regulation
Bandwidth:	120 kHz
Frequency range:	30 to 1000 MHz
Detector:	Average detector
ESA condition:	According to item 2 of Annex 8 of the Regulation

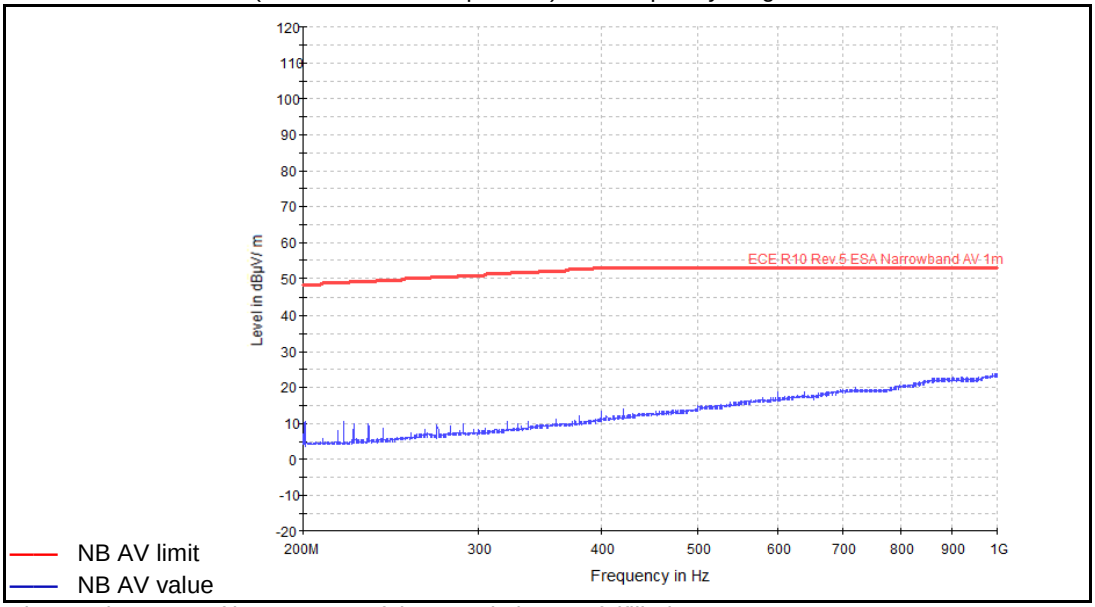
3.2.1 Test results

First measurement (horizontal antenna position) with frequency range 30-200 MHz



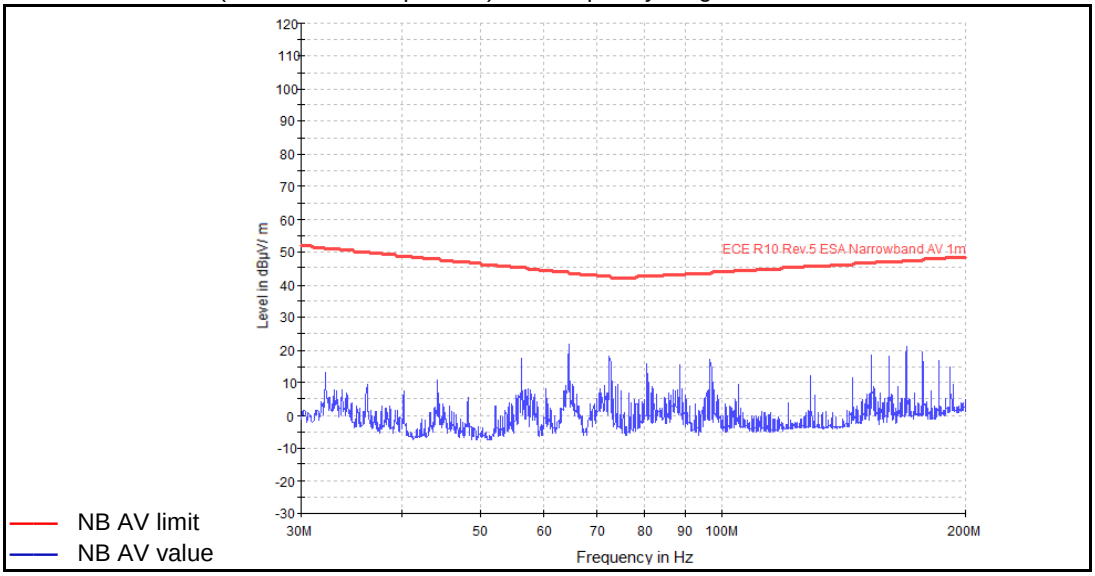
General Test Report

Second measurement (horizontal antenna position) with frequency range 200-1000 MHz



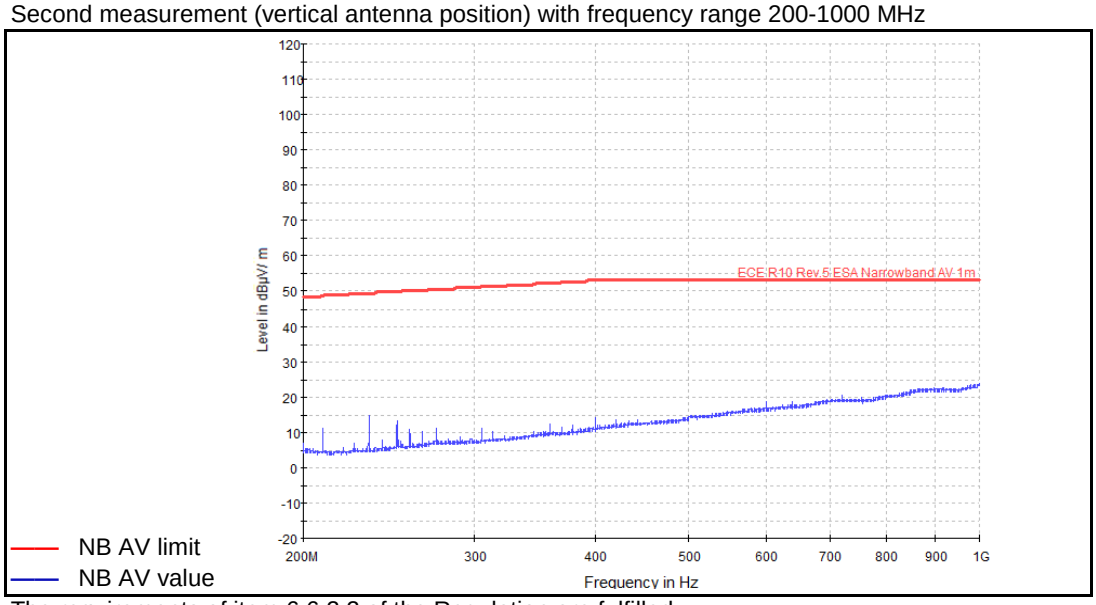
The requirements of item 6.6.2.2 of the Regulation are fulfilled.

First measurement (vertical antenna position) with frequency range 30-200 MHz



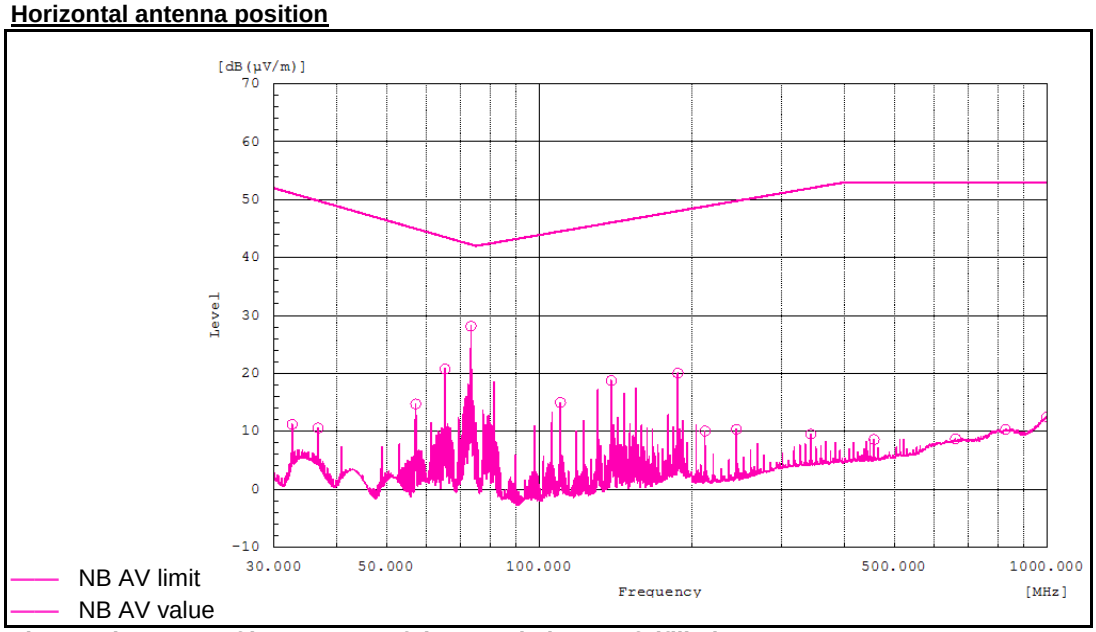
General Test Report

Second measurement (vertical antenna position) with frequency range 200-1000 MHz



The requirements of item 6.6.2.2 of the Regulation are fulfilled.

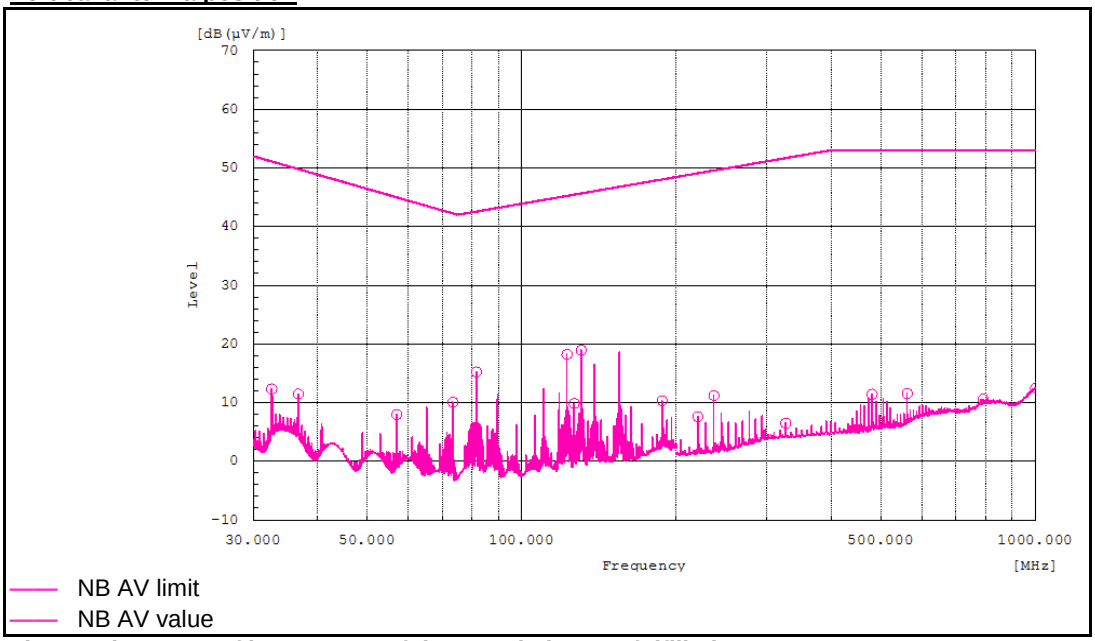
Variant: SF10-2
Horizontal antenna position



The requirements of item 6.6.2.2 of the Regulation are fulfilled.

General Test Report

Vertical antenna position



The requirements of item 6.6.2.2 of the Regulation are fulfilled.

3.3 The immunity of ESAs to electromagnetic radiation

Type: SF10, **Variant: SF10-2**

3.3.1 Absorber chamber test

The test is performed on 12V voltage system.

Method of testing:	ISO 11452-2
Frequency range:	400 to 2000 MHz
Test level	30V/m
Type of modulation:	400-800 MHz: 80% AM, 1kHz
	800-2000 MHz:PM, ton=577µs, period 4,600 µs
ESA condition:	According to item 2 of Annex 9 of the Regulation

3.3.1.1 Test results

There is no degradation of performance of “immunity related functions”.
The requirements of item 6.8.2.2 of the Regulation are fulfilled.

General Test Report

3.3.2 Bulk current injection test

The test is performed on 12V voltage system.

Method of testing:	ISO 11452-4
Frequency range:	20 to 400 MHz
Test lever:	60mA
Type of modulation:	80% AM, 1kHz
ESA condition:	According to item 2 of Annex 9 of the Regulation

3.3.2.1 Test results

There is no degradation of performance of “immunity related functions”.
The requirements of item 6.8.2.2 of the Regulation are fulfilled.

3.4 Measurement of the immunity to transient disturbances conducted along 12/~~24~~V supply lines

Type: SF10, **Variant: SF10-2**

The test is performed on 12V voltage system.

Method of testing:	ISO 7637-2
Test pulse number:	1, 2a, 2b, 3a/3b,4
Immunity test level:	III
ESA condition:	According to item 4 of ISO 7637-2

3.4.1 Test results

12V system

Test pulse number	Test voltage	Number of pulses/duration	Required functional status	Functional status during test
1	-75V	5000 pulses	C	C
2a	+37V	5000pulses	B	A
2b	+10V	10 pulses	C	C
3a	-112V	1 h	A	A
3b	+75V	1 h	A	A
4	-6V	1 pulse	C	A

The requirements of item 6.9.1 of the Regulation are fulfilled.

General Test Report

3.5 Measurement of Emission of transient conducted disturbances generated by ESAs on 12~~/24~~V supply lines

Type: SF10, **Variant: SF10-2**

The test is performed on 12V voltage system.
Method of testing: ISO 7637-2
ESA condition: According to item 4 of ISO 7637-2

3.5.1 Test results

12V system

Polarity of pulse amplitude	Maximum allowed pulse amplitude for vehicle with 12 V system	Result
Positive	+75V	Pass
Negative	-100V	Pass

The requirements of item 6.7.1 of the Regulation are fulfilled.

Allied Technology Experts-
Enterprise of Luxembourg

Technical Report No. 61SFA0001B
Type: SF10

General Information

[ ]	**Numbering according to annex 3B of the type-approval certificate following Regulation No.10 Communication concerning the type-approval / ~~extension of type-approval~~**	
	EC type-approval mark to be affixed on ESA :	E13 10R-05 13796
[1.]	Make (trade name of manufacturer)	
[2.]	**Type and general commercial description:**	
	Type:	SF10
	Variant(s):	**SF10-2**
	Commercial description(s):	ABS
[3.]	Means of identification of type, if marked on the ~~vehicle/~~ component~~/ separate technical unit~~:	See item 6
[3.1.]	Location of that marking:	See item 6
[4.]	Category of vehicle:	Not applicable
[5.]	Name and address of manufacturer:	Ningbo SAFE Brakes System Co., Ltd No.8 Zhongyang Road, Shangyang Industrial Zone, East Qianhu Town, Yinzhou District, Ningbo City, Zhejiang Province, P. R. China
[6.]	In the case of components and separate technical units, location and method of affixing of the approval mark:	Self adhesive label on the housing
[7.]	**Address(es) of the production plant(s):**	**Ningbo SAFE Brakes System Co., Ltd No.8 Zhongyang Road, Shangyang Industrial Zone, East Qianhu Town, Yinzhou District, Ningbo City, Zhejiang Province, P. R. China**
[8.]	Additional information: (where applicable)	See appendix
[9.]	Technical service responsible for carrying out the tests:	ATE EL s.à r.l. 14, op Huefdreisch L-6871 Wecker
[10.]	**Date of test report:**	**11.06.2018**
[11.]	**Number of test report:**	**61SFA0001B**
[12.]	Remarks: (if any):	See appendix

General Information

[13.]
[14.]
[15.]
[16.]

[17.]	**Reasons for extension:**	**See Annex I1**

Appendix to type-approval communication form No. 61SFA0001B concerning the type-approval of an electrical/ electronic sub-assembly under Regulation No. 10

[1.]	Additional information:	
[1.1.]	Electrical system rated voltage:	12V DC, negative ground
[1.2.]	This ESA can be used on any vehicle type with the following restrictions:	None
[1.2.1.]	Installation conditions, if any:	None
[1.3.]	This ESA can only be used on the following vehicle types:	Not applicable.
[1.3.1.]	Installation conditions, if any:	Not applicable.
[1.4.]	The specific test method(s) used and the frequency ranges covered to determine immunity were: (please specify precise method used from Annex 9)	Absorber chamber test according to ISO 11452-2 (from 400-2000MHz) Bulk current injection test according to ISO 11452-4 (from 20-400MHz)
[1.5.]	Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests:	Not applicable.
[2.]	Remarks:	None

Type: ***SF10***	***Ningbo SAFE Brakes System Co., Ltd***	Date : 11.06.2018 Ext. : 01

UNIFORM PROVISIONS CONCERNING THE EC TYPE-APPROVAL OF AN ELECTRIC/ELECTRONIC SUBASSEMBLY WITH RESPECT TO ELECTROMAGNETIC COMPATIBILITY

REGULATION No. 10.05

(Information Document No. SF10-01–R10)

INDEX OF DOCUMENTATION

APPLICATION HISTORY

Extension No.	Extension Reasons	APPLICATION DATE
00	Not applicable(Base Approval)	NOV. 2015
01	**Add variant(s), SCHEMATIC and PCB drawings for this variant(s). Add a new assembly plant and delete the old one. Delete 'List of main component constituting the ESA'**	**11.06.2018**

Type: **SF10**	***Ningbo SAFE Brakes System Co., Ltd***	Date : 11.06.2018 Ext. : 01

GENERAL

1. Make (trade name of manufacturer):

2. Type: **SF10**
Variant(s): **SF10-2**
Commercial description(s): **ABS**
Function: **The ESA is an ABS.**

3. Means of identification of type, if marked on the component/separate technical unit (a):

3.1. Location of that marking:

On the housing, see drawing of the ESA.

4. Name and address of manufacturer:

Ningbo SAFE Brakes System Co., Ltd
No.8 Zhongyang Road, Shangyang Industrial Zone, East Qianhu Town, Yinzhou District, Ningbo City, Zhejiang Province, P. R. China
Name and address of authorised representative, if any: **Not Applicable**

5. In the case of components and separate technical units, location and method of affixing of the EC approval mark:

Self adhesive label on the housing, see drawing of the ESA.

6. Address(es) of assembly plant(s):

Ningbo SAFE Brakes System Co., Ltd
No.8 Zhongyang Road, Shangyang Industrial Zone, East Qianhu Town, Yinzhou District, Ningbo City, Zhejiang Province, P. R. China

7. This ESA shall be approved as a component/STU[2)]: **Component**

8. Any restrictions of use and conditions for fitting: **Not Applicable**

9. Electrical system rated voltage: **.....** V, positive/negative[2)] ground

12V DC, negative ground

10. Charger: **Not Applicable**

11. Charging current: **Not Applicable**

12. Maximal nominal current (in each mode if necessary): **Not Applicable**

13. Nominal charging voltage: **Not Applicable**

14. Basic ESA interface functions: **Not Applicable**

15. Minimum R_{sce} value: **Not Applicable**

Type: **SF10**	***Ningbo SAFE Brakes System Co., Ltd***	Date : 11.06.2018 Ext. : 01

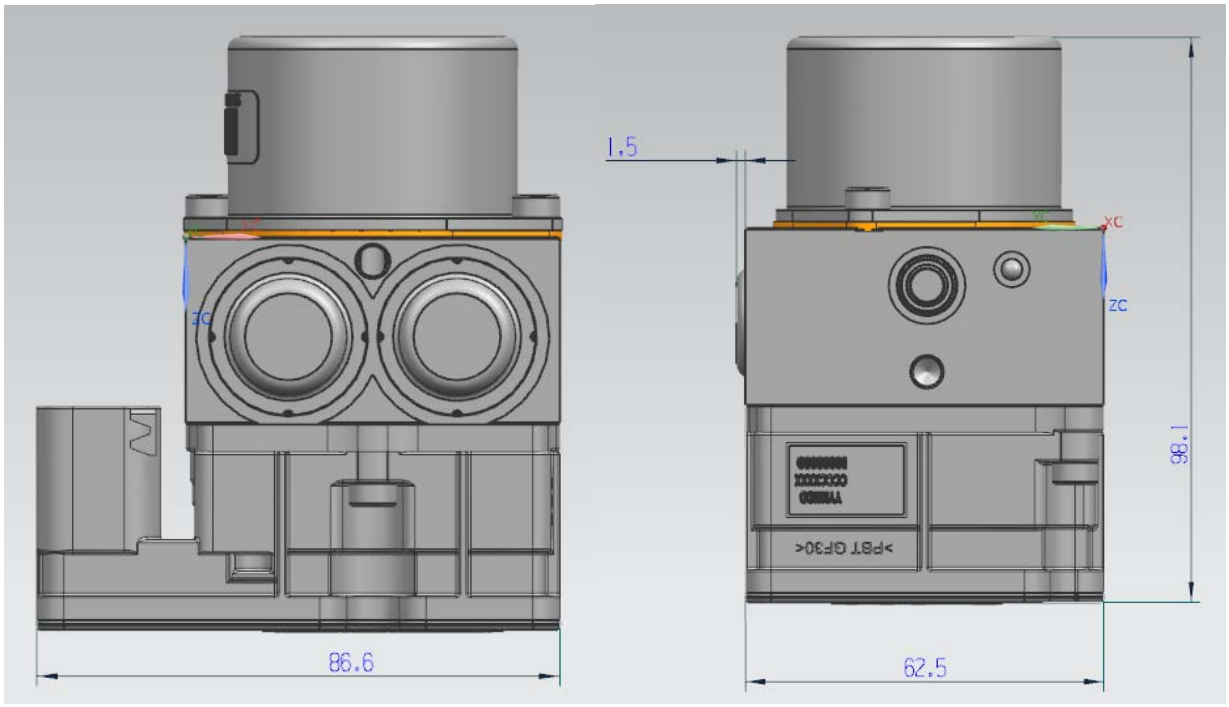
DRAWINGS OF THE ESA

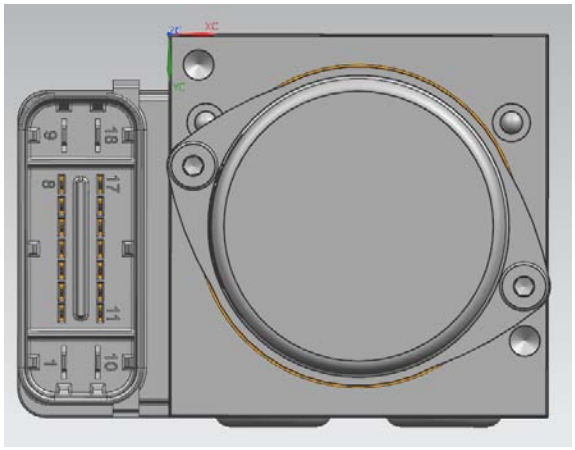
LOCATION OF THE ECE APPROVAL MARK

Type: **SF10**	***Ningbo SAFE Brakes System Co., Ltd***	Date : 11.06.2018 Ext. : 01

SCHEMATIC OF THE DEVICE

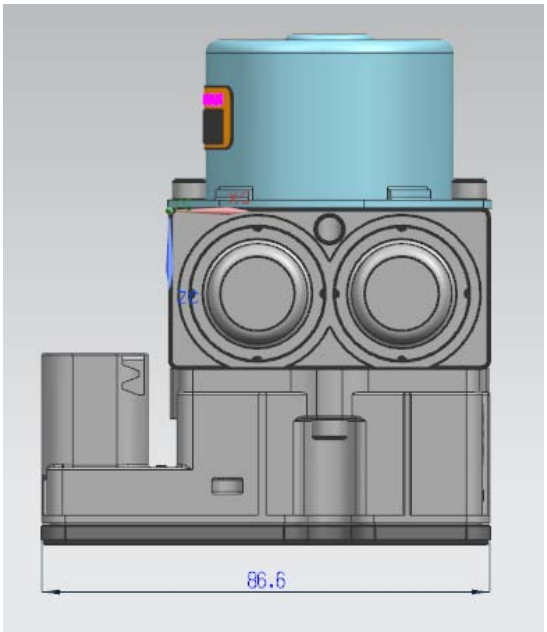
Type: SF10

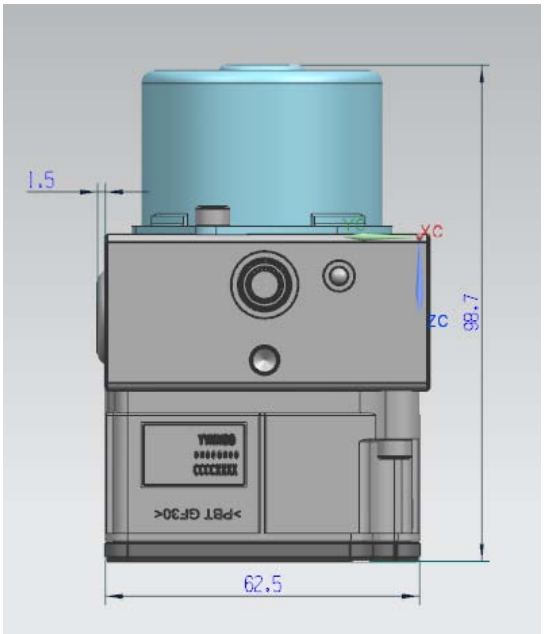


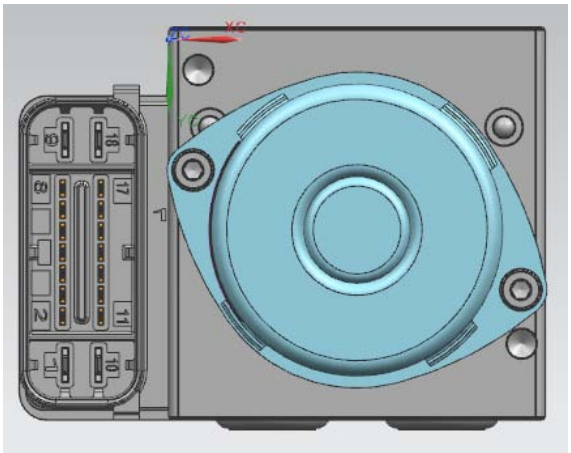


Type: **SF10**	***Ningbo SAFE Brakes System Co., Ltd***	Date : 11.06.2018 Ext. : 01

Variant(s): SF10-2



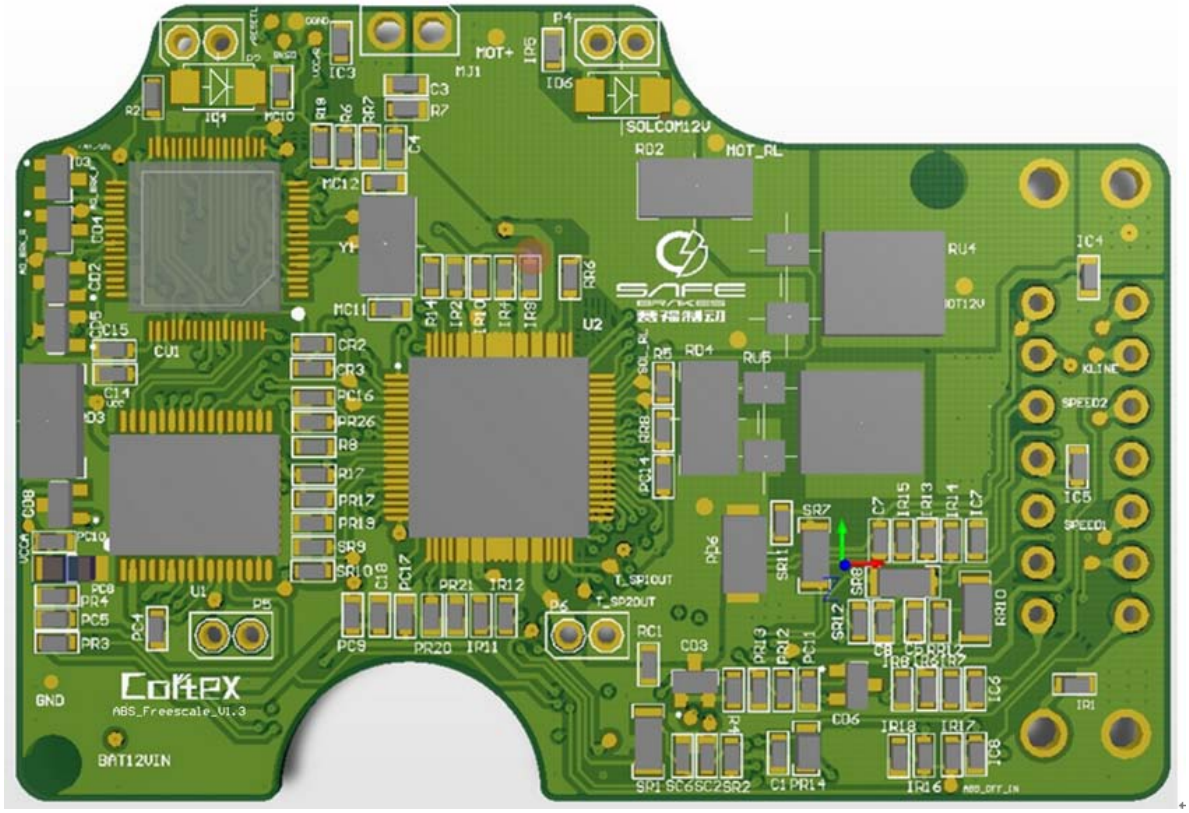


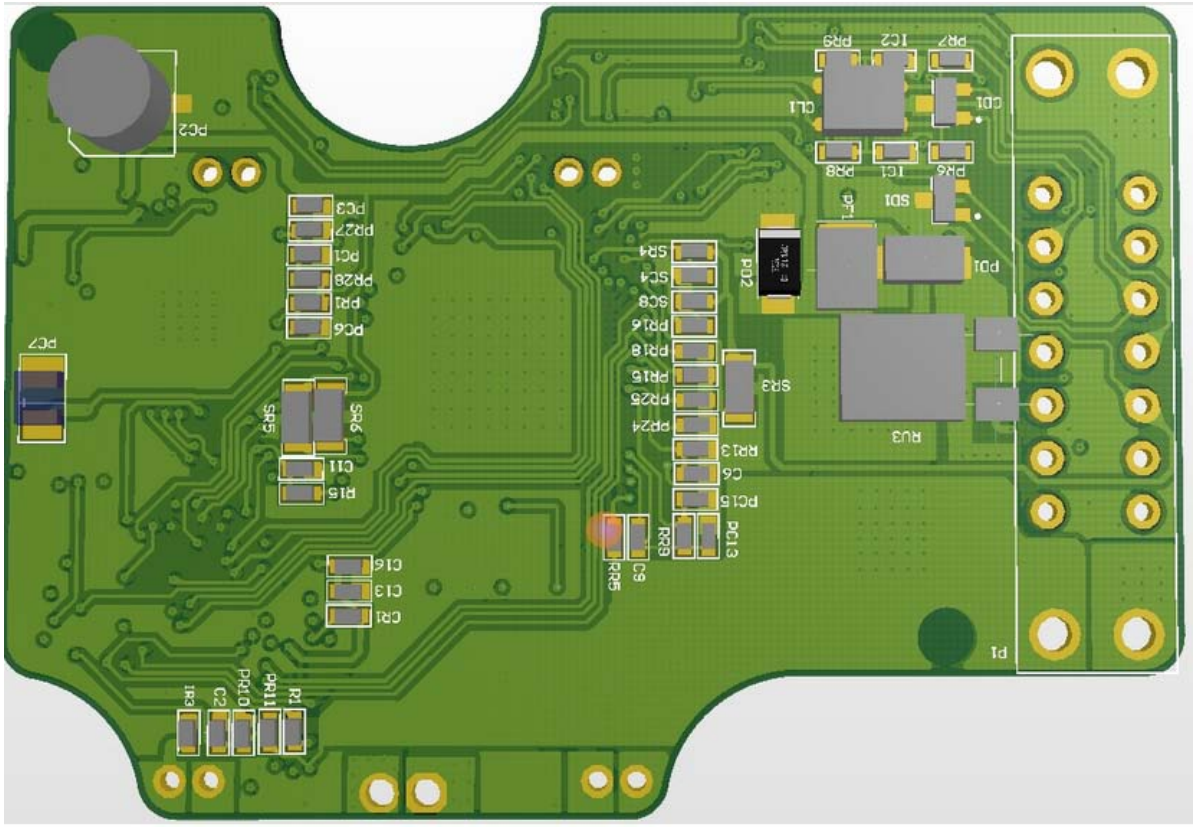


Type: **SF10**	***Ningbo SAFE Brakes System Co., Ltd***	Date : 11.06.2018 Ext. : 01

PCB

Type: SF10





Type: **SF10**	***Ningbo SAFE Brakes System Co., Ltd***	Date : 11.06.2018 Ext. : 01

Variant(s): SF10-2