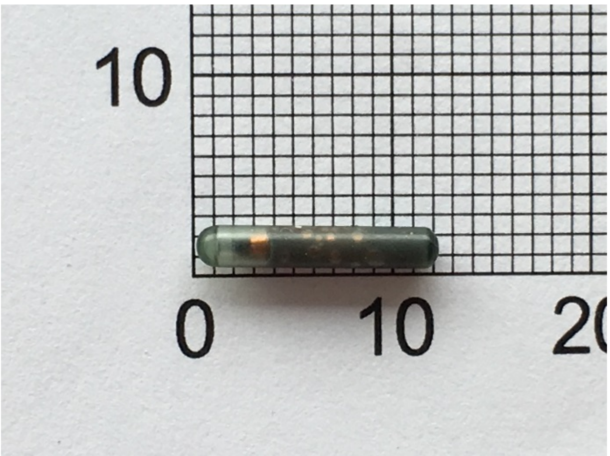
TestService

Test Report no. 2019-462

Conformance Test
according to ISO 24631-1
(Full test procedure)

I. Application data

Applicant (company name):	Xiangyuxing Technology Co., Ltd
Applicant´s address:	Youpin Creation Park Longhua District Shenzhen, China
Transponder type to be tested:	Injectable transponder
Transponder type name:	Injectable transponder 2.12x12mm
Technology:	FDX-B
ICAR product code:	900249



II. Test execution

Tests conducted by:	DLG TestService GmbH, Max-Eyth-Weg 1, D-64823 Groß-Umstadt, Germany
Test engineer:	Dipl.-Eng. agr. Susanne Gäckler
Test period:	2019-07-17 to 2019-07-19
Test method:	Conformance test acc. to ISO 24631-1 (2017)
Test equipment:	Arbitrary waveform generator NI PXI 5412, Digitizer NI PXI 5122, Amplifier he 398 vR1, Compensation network he 3986, Helmholtz coils acc. to 24631-3 by DLG Calibration coil Schwarzbeck FESP 5134-40 Oscilloscope Tektronix DPO 7254 Labview software “DLG_RFID” 1.4.7

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III. Test Results

1. Conformance according to ISO 24631-1:2017

1.1 Shape and Dimensions

Shape and dimensions of the injectable transponders correspond to the information given in the application form. Average values have been determined by measuring five randomly chosen transponders.

Table 1: Dimensions of test samples

	data given by manufacturer	DLG measured data
Length [mm]	12.0	12.01 ± 0.01
Diameter [mm]	2.12	2.12 ± 0.01
Weight [g]	0.1	0.099 ± 0.001
Color	grey	transparent

The injectable transponders did not show visible damages. None of them showed printed test code numbers due to size and design.

1.2 Resonance frequency

Resonance frequency was measured at a field strength 1 dB below activation treshold in accordance with ISO 24631-1 (2017). The returned signal frequencies of the 50 transponders ranged between 131.7 and 135.5 kHz, see *Table 2 and Figure 2*.

Arithmetic mean value: $\bar{x}$ = 133.4 kHz
Standard deviation: σ_x = 0.92
Variance: s^2 = 0.84

The required value of 134.2 ± 3 kHz was achieved by all of the transponders.
Test protocols are enclosed in *Annex 1*.

Table 2: Single results of resonance frequency

DLG-ID	tag no.	Res.freq. (kHz)	DLG-ID	tag no.	Res.freq. (kHz)
1	999 000 000 000 008	132.0	**26**	999 000 000 000 009	134.7
2	033	134.1	**27**	036	133.9
3	023	133.0	**28**	046	133.3
4	024	133.1	**29**	020	134.2
5	030	134.5	**30**	006	134.3
6	042	132.6	**31**	047	134.1
7	015	133.1	**32**	040	133.4
8	007	135.5	**33**	011	133.9
9	018	133.0	**34**	001	133.2
10	034	134.6	**35**	050	132.1
11	026	131.8	**36**	004	131.7
12	017	133.7	**37**	029	135.1
13	019	132.1	**38**	037	134.0
14	002	133.9	**39**	016	132.5
15	014	133.4	**40**	013	134.3
16	031	133.3	**41**	012	132.4
17	028	133.0	**42**	038	132.7
18	003	135.5	**43**	010	132.6

19	021	134.2	**44**	032	133.3
20	043	134.4	**45**	005	132.9
21	035	133.0	**46**	022	132.6
22	039	132.6	**47**	041	134.3
23	025	133.0	**48**	049	132.7
24	027	133.6	**49**	044	132.7
25	045	134.0	**50**	027	133.1

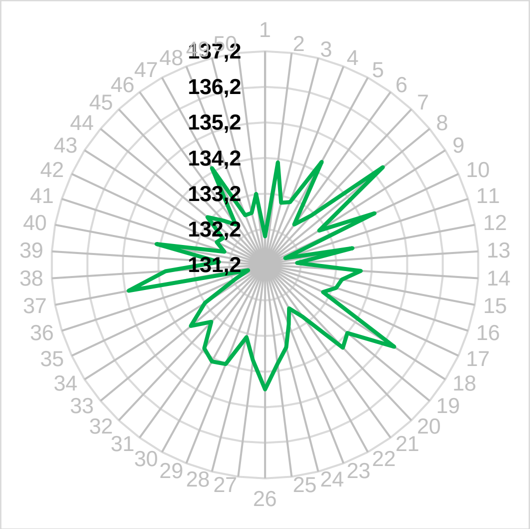


Figure 2: Distribution of measured resonance frequency values[1]

1.3 **Bit pattern**

For all of the transponders the original bit pattern are stated in the printouts of conformance test procedure.

- *Identification codes* match the codes given by the manufacturer (999 000 000 000 001 till 999 000 000 000 050)
- *Country code* is 999 (test code)
- *Data block flag* is a logical “0”
- *Retagging counter* is three logical “0”s
- Logical “0”s in the *user information field*
- Logical “0”s in the *reserved field*
- *Animal bit* is a logical “1”
- *CRC* matches the calculated value acc. to ISO 11785:1996, Annex B.

Therefore all requirements are met by all of the transponders.
Test protocols are enclosed in *Annex 2*.

IV. Annex

Annex 1: test protocols of resonance frequency test
Annex 2: test protocols of conformance test

[1] Within Figure 2 the comma is used as a decimal separator.

No other tests than the described have been done.

Groß-Umstadt, 2019 July 19th

Eng. agr. Susanne Gäckler
Test Engineer Animal Husbandry Technologies

ANNEX 1:

Protocols of resonance frequency test

Resonance

Test-Protocol

TestService

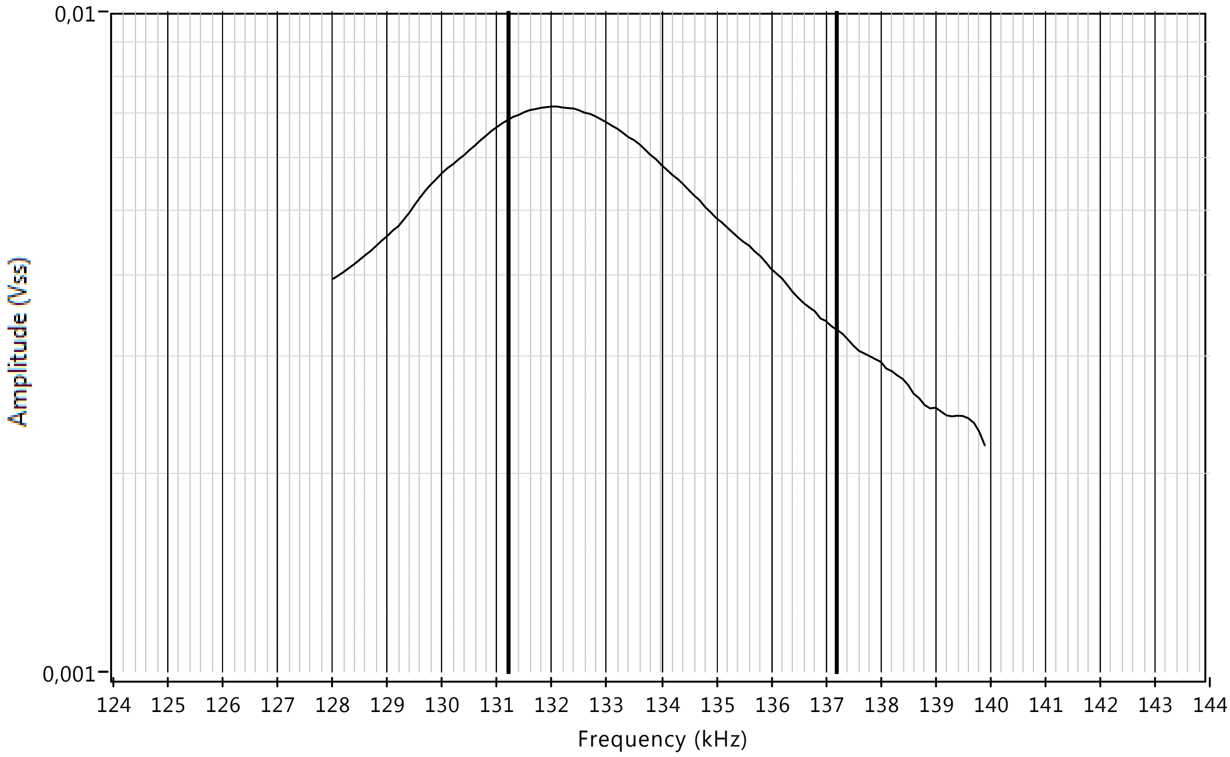
type Xiangyuxing injectable no. 1

test start	test end	DLG-test-no.
18.07.2019, 10:47	18.07.2019, 10:48	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.7	55	134,2	0,42

resonance frequency ☒ in limit resonance frequency 132,0 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,27	138,12



date 18.07.2019

tester: Gäckler

signature

Resonance | **Test-Protocol** | TestService

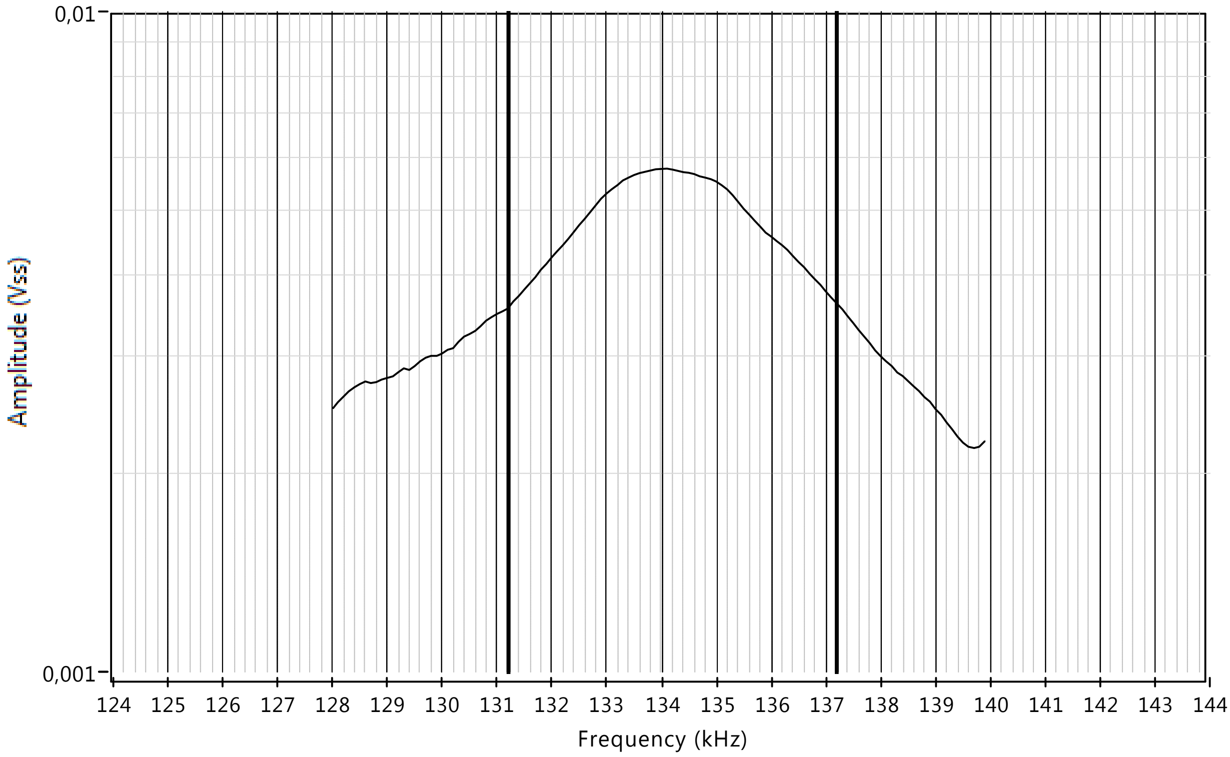
type Xiangyuxing injectable no. 2

test start	test end	DLG-test-no.
18.07.2019, 10:50	18.07.2019, 10:51	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.7	55	134,2	0,32

resonance frequency ☒ in limit resonance frequency 134,1 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,41	138,20



date 18.07.2019 tester: Gäckler

signature

Resonance

Test-Protocol

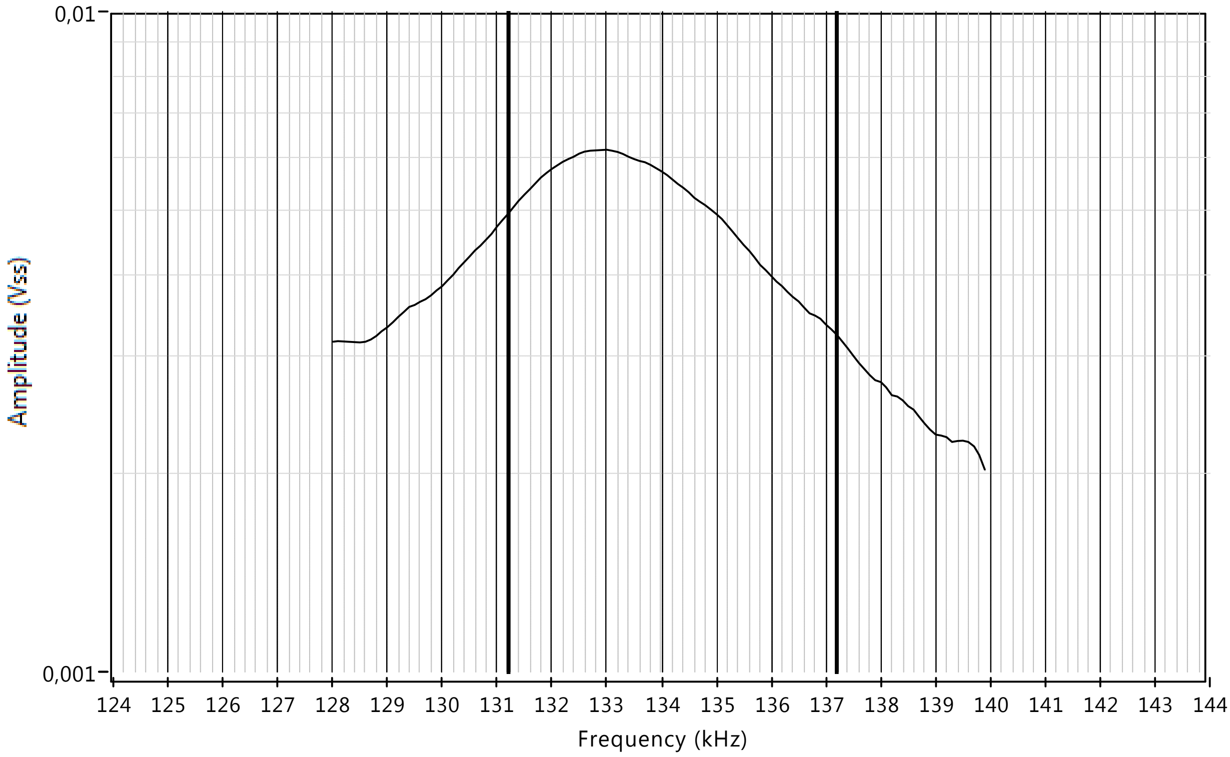
type Xiangyuxing injectable no. 3

test start	test end	DLG-test-no.
18.07.2019, 10:53	18.07.2019, 10:53	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.7	55	134,2	0,39

resonance frequency ☒ in limit resonance frequency 133,0 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,03	138,36



date 18.07.2019 tester: Gäckler signature

Resonance **Test-Protocol**

TestService

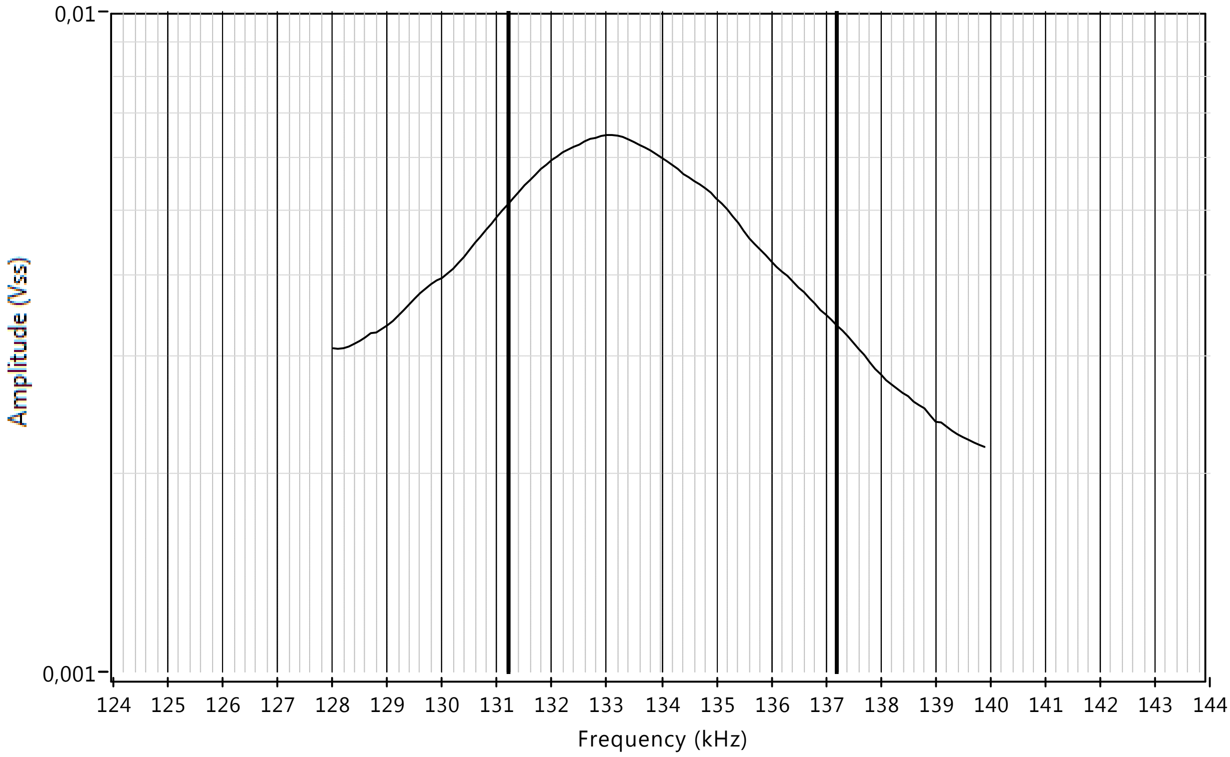
type Xiangyuxing injectable no. 4

test start	test end	DLG-test-no.
18.07.2019, 10:54	18.07.2019, 10:55	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.7	55	134,2	0,36

resonance frequency ☒ in limit resonance frequency 133,1 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,13	138,41



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

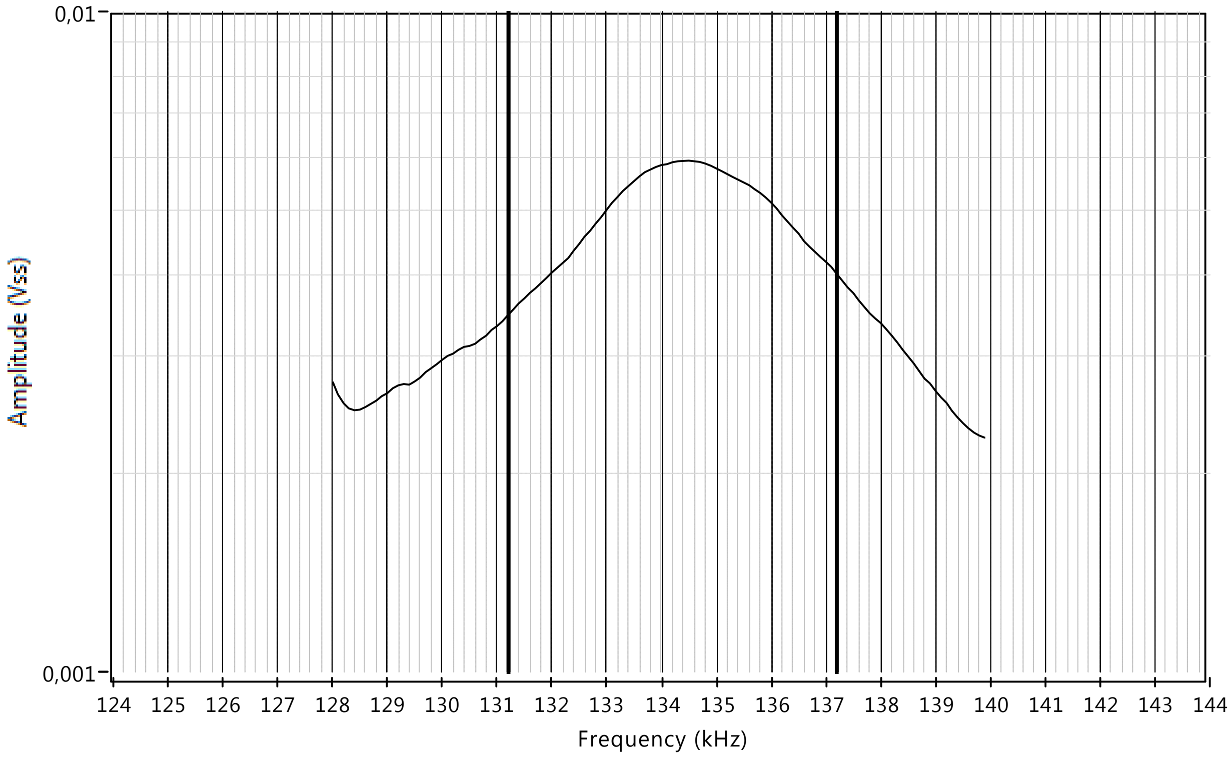
type Xiangyuxing injectable no. 5

test start	test end	DLG-test-no.
18.07.2019, 10:56	18.07.2019, 10:57	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.7	55	134,2	0,32

resonance frequency ☒ in limit resonance frequency 134,5 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,09



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

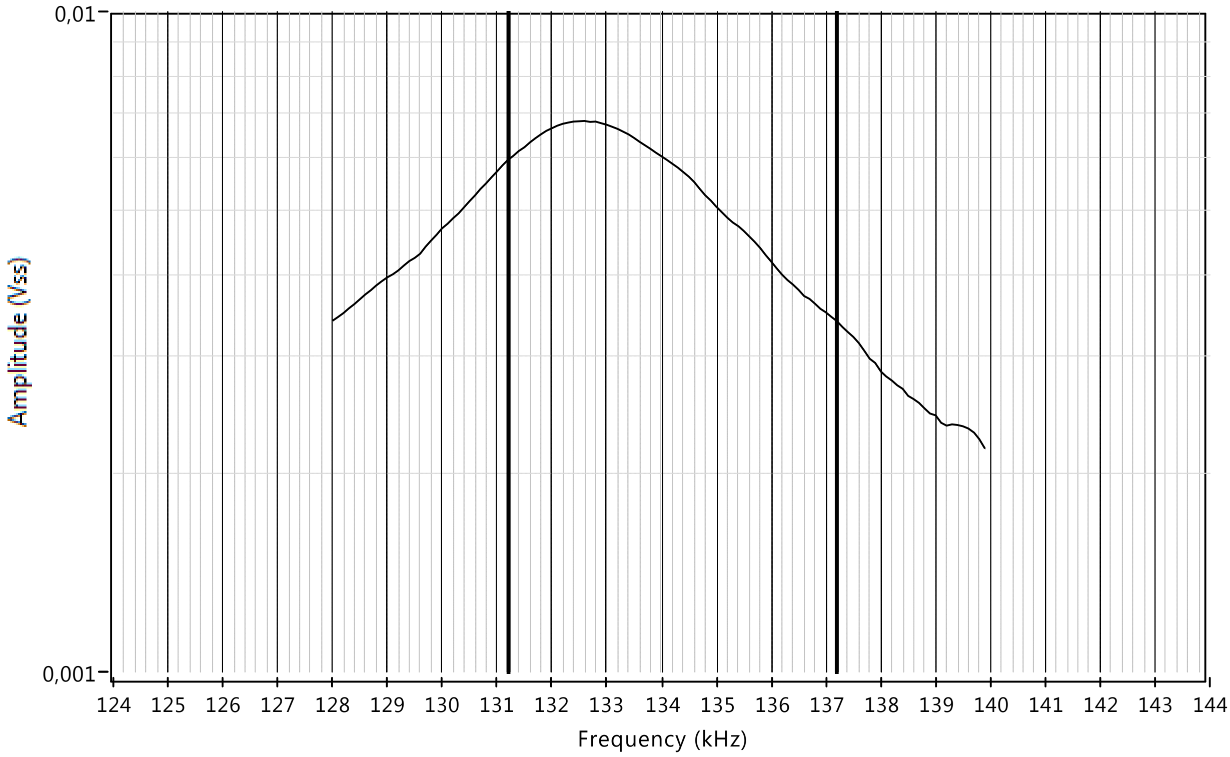
type Xiangyuxing injectable no. 6

test start	test end	DLG-test-no.
18.07.2019, 14:59	18.07.2019, 14:59	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.7	55	134,2	0,37

resonance frequency ☒ in limit resonance frequency 132,6 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,27	138,12



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

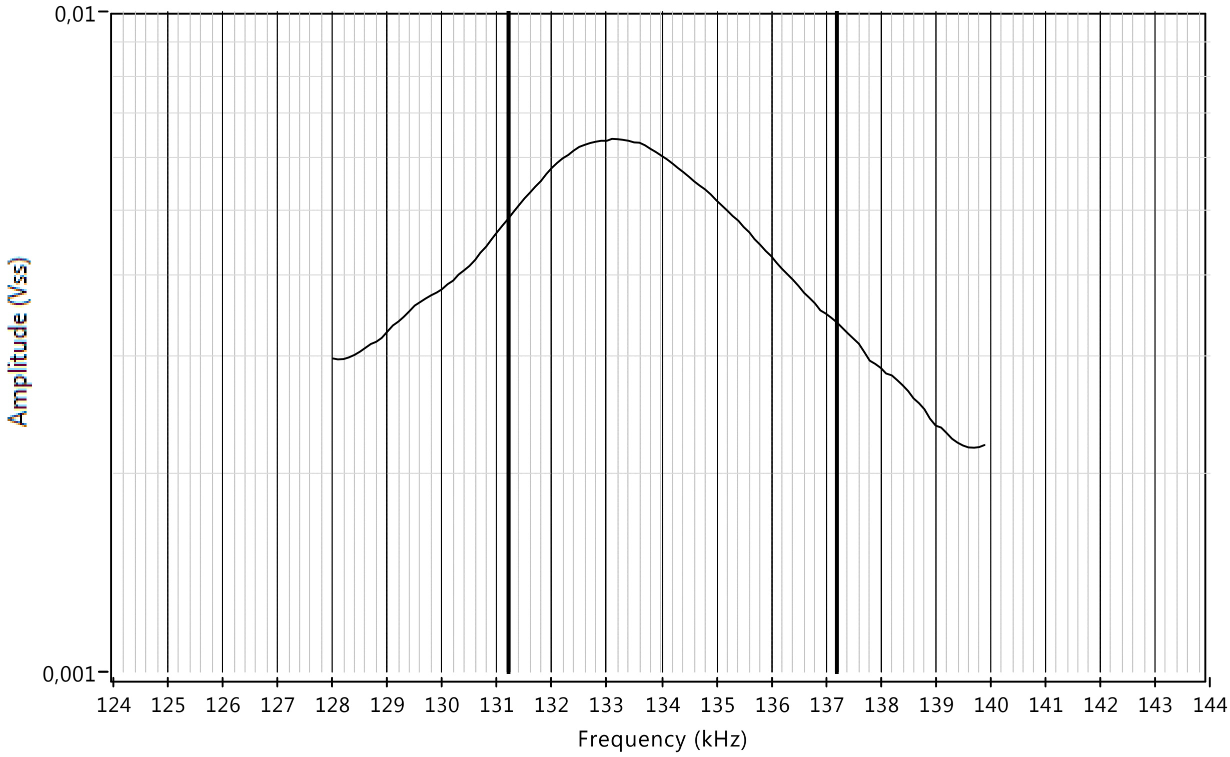
type Xiangyuxing injectable no. 7

test start	test end	DLG-test-no.
18.07.2019, 15:02	18.07.2019, 15:03	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.6	55	134,2	0,33

resonance frequency ☒ in limit resonance frequency 133,1 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,07	138,32



date 18.07.2019 tester: Gäckler

signature

Resonance | **Test-Protocol** | TestService

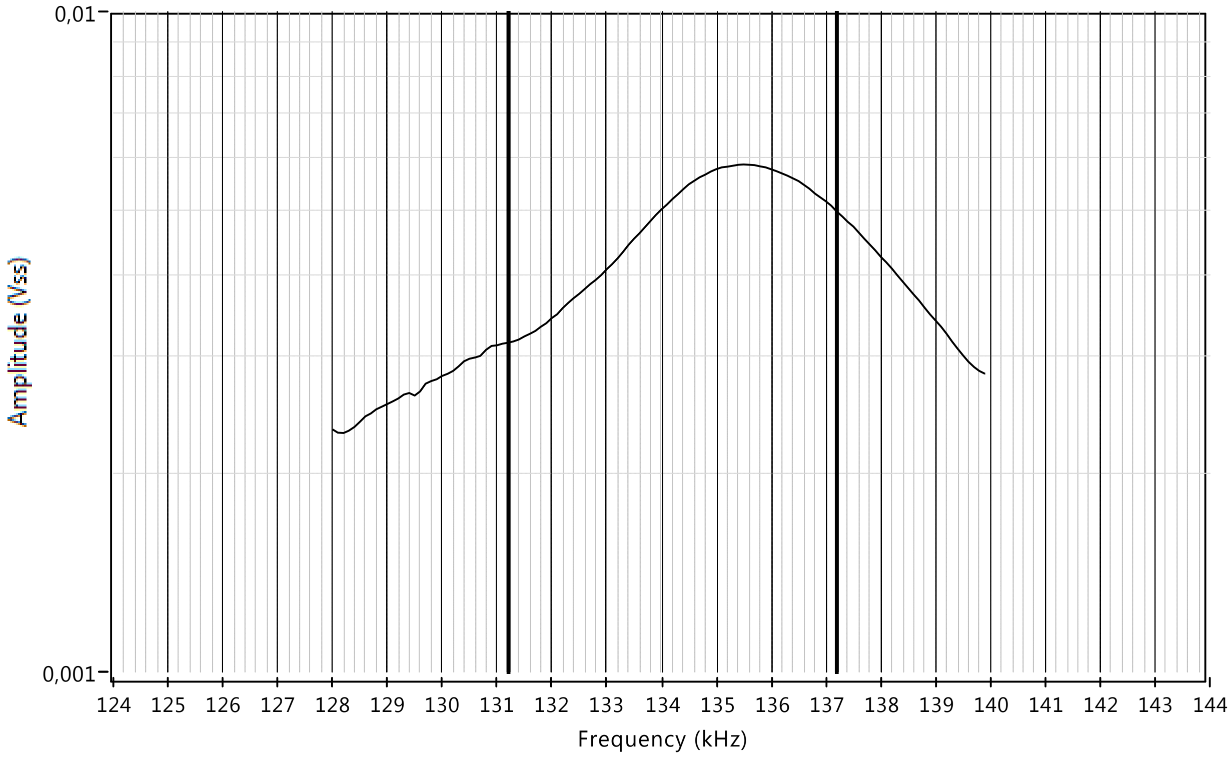
type Xiangyuxing injectable no. 8

test start	test end	DLG-test-no.
18.07.2019, 15:05	18.07.2019, 15:06	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.6	55	134,2	0,37

resonance frequency ☒ in limit resonance frequency 135,5 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
129,99	138,39



date 18.07.2019 tester: Gäckler

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Resonance **Test-Protocol**

TestService

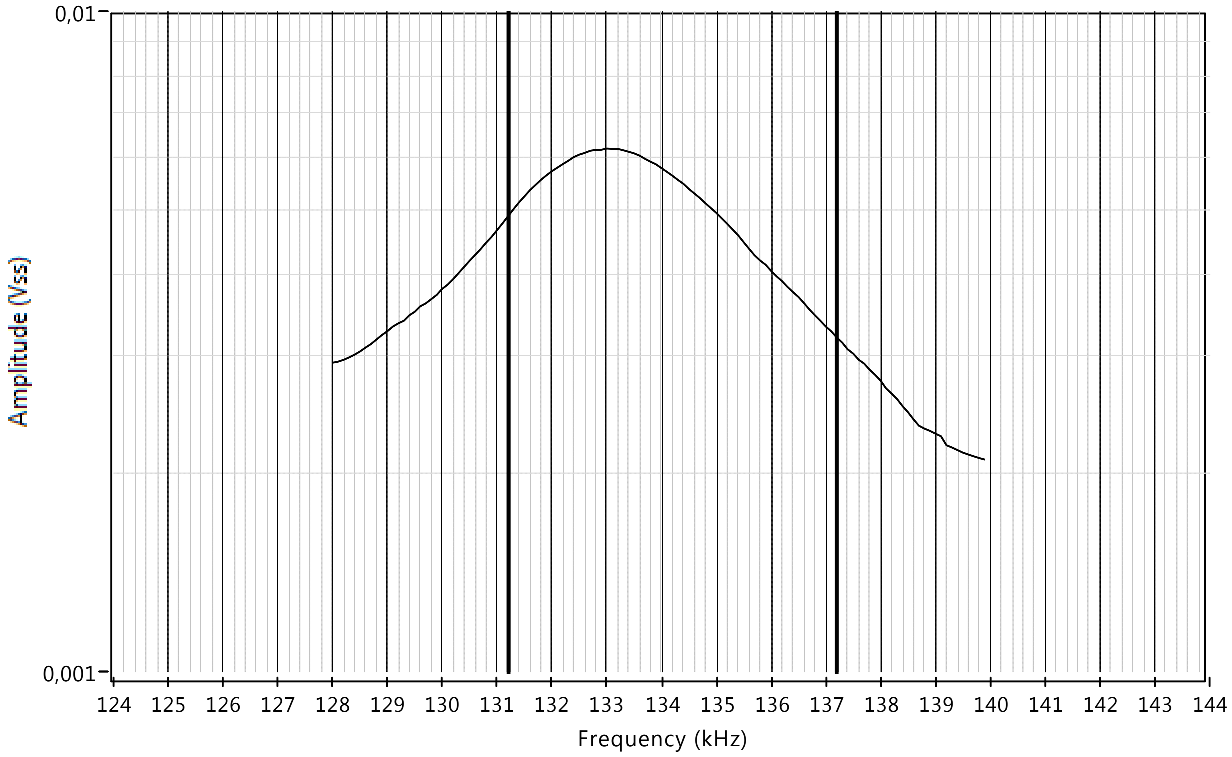
type Xiangyuxing injectable no. 9

test start	test end	DLG-test-no.
18.07.2019, 15:08	18.07.2019, 15:09	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.6	55	134,2	0,37

resonance frequency ☒ in limit resonance frequency 133,0 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,43



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Resonance | **Test-Protocol**

TestService

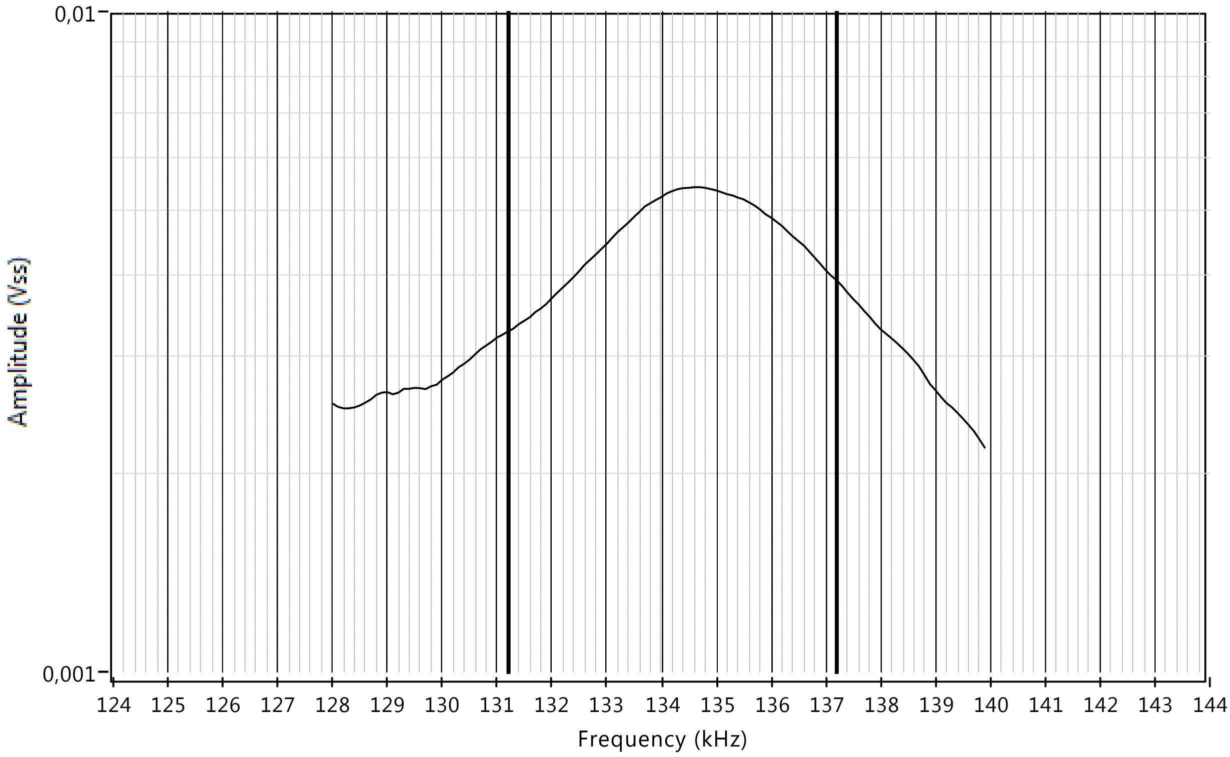
type Xiangyuxing injectable no. 10

test start	test end	DLG-test-no.
18.07.2019, 15:11	18.07.2019, 15:12	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,37

resonance frequency ☒ in limit   resonance frequency 134,6   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,16



date 18.07.2019   tester: Gäckler

signature

Resonance # Test-Protocol

TestService

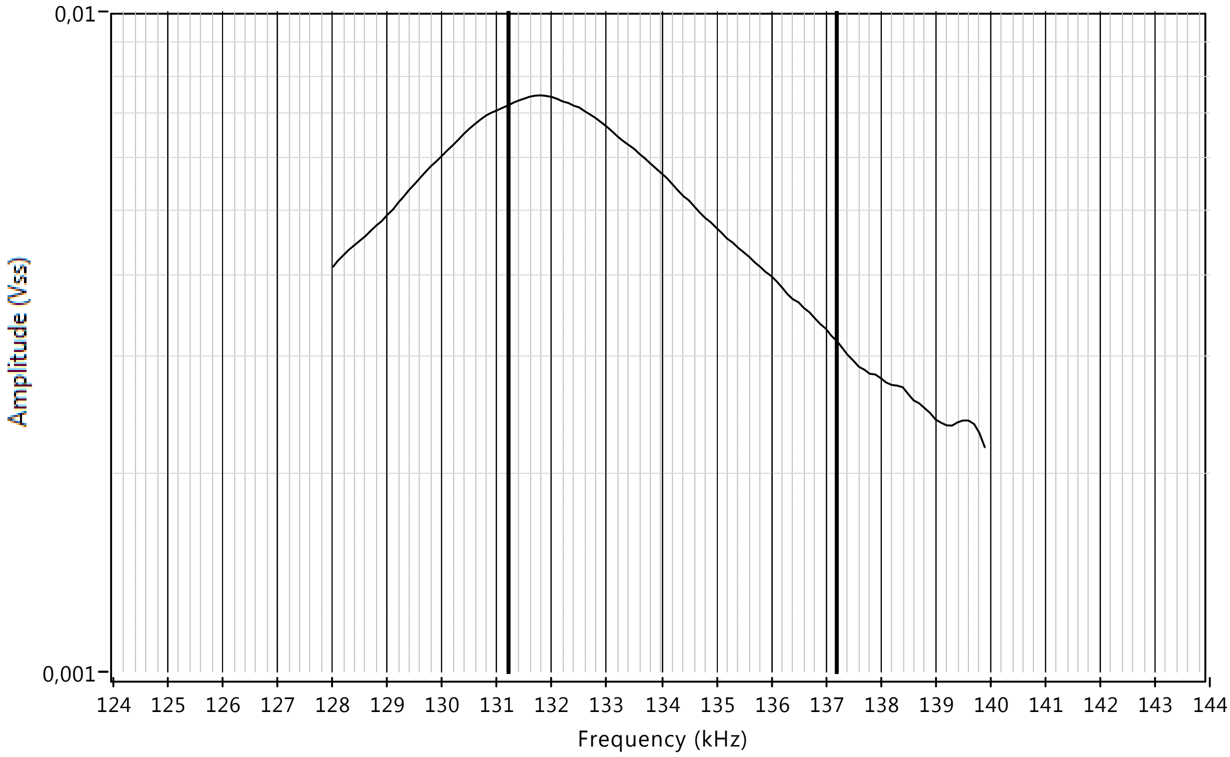
type Xiangyuxing injectable no. 11

test start	test end	DLG-test-no.
18.07.2019, 15:13	18.07.2019, 15:14	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,43

resonance frequency ☒ in limit resonance frequency 131,8 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,27	138,12



date 18.07.2019 tester: Gäckler

signature

Resonance | **Test-Protocol**

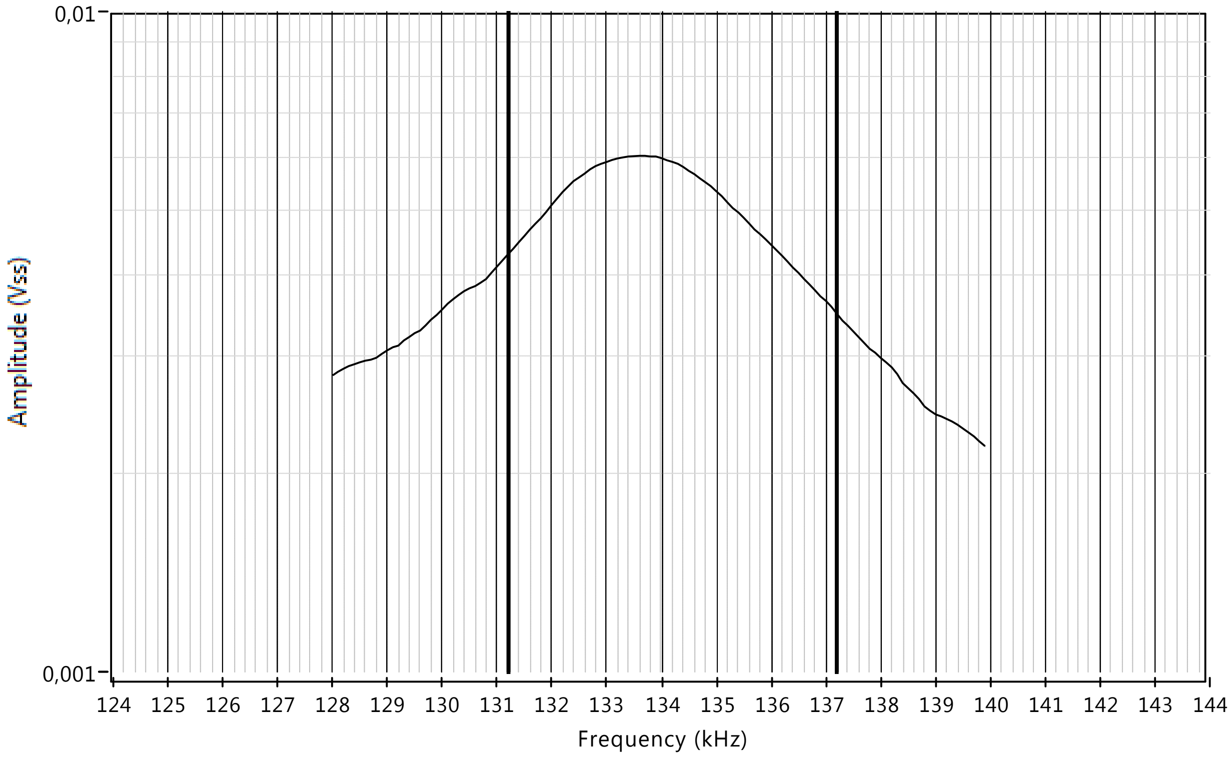
type Xiangyuxing injectable no. 12

test start	test end	DLG-test-no.
18.07.2019, 15:16	18.07.2019, 15:17	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,34

resonance frequency ☒ in limit resonance frequency 133,7 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,00	138,38



date 18.07.2019 tester: Gäckler

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Resonance

Test-Protocol

TestService

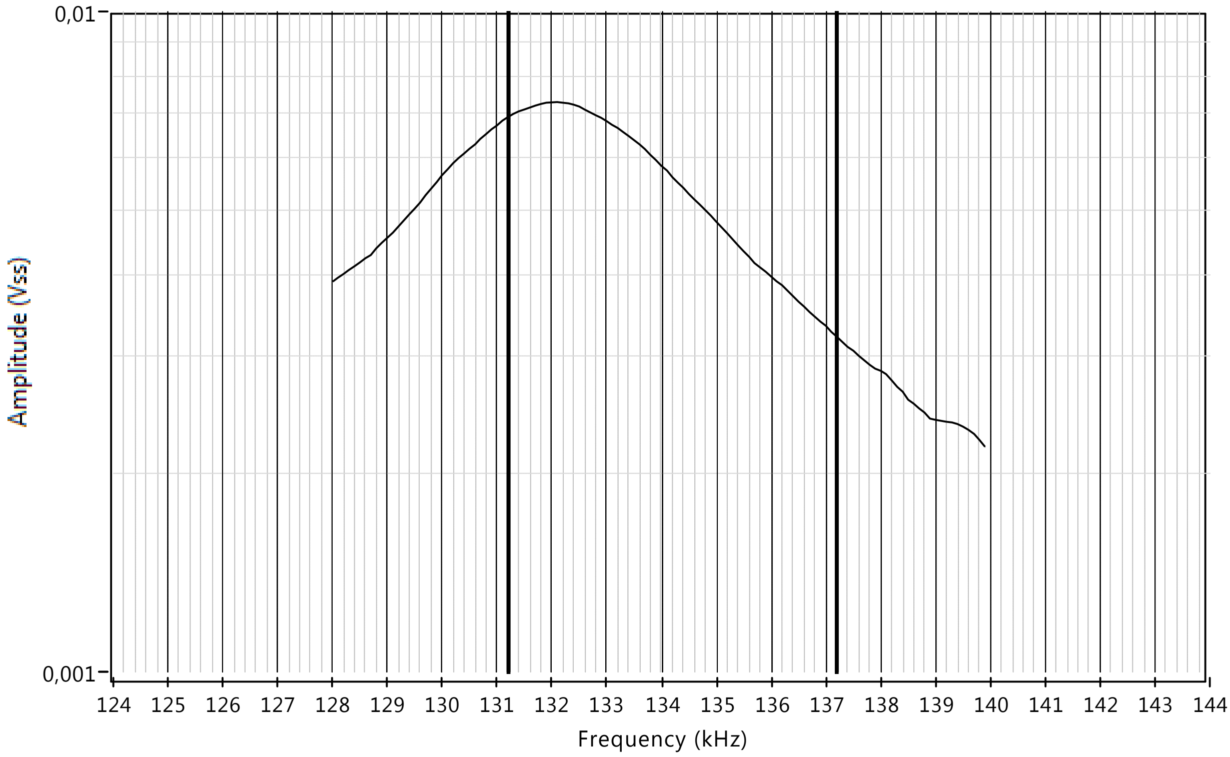
type Xiangyuxing injectable no. 13

test start	test end	DLG-test-no.
18.07.2019, 15:18	18.07.2019, 15:19	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,41

resonance frequency ☒ in limit resonance frequency 132,1 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,27	138,12



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

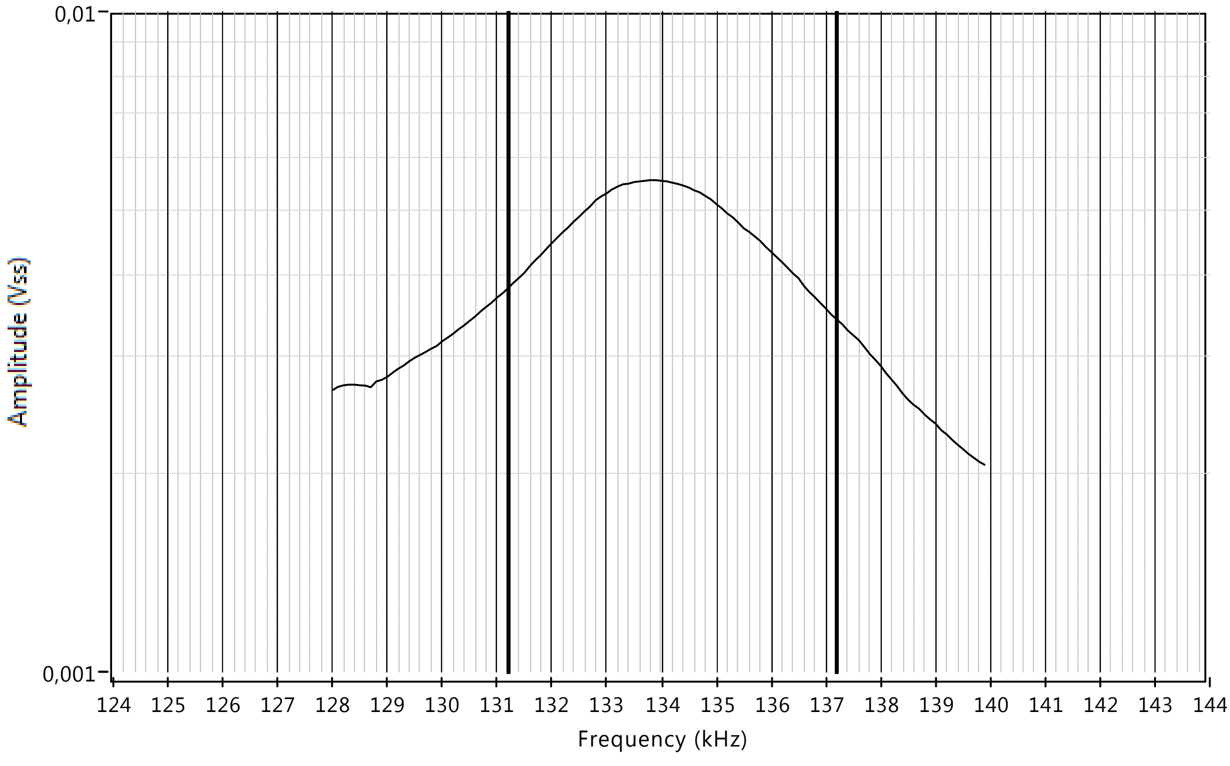
type Xiangyuxing injectable no. 14

test start	test end	DLG-test-no.
18.07.2019, 15:20	18.07.2019, 15:21	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,37

resonance frequency ☒ in limit resonance frequency 133,9 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,19	138,30



date 18.07.2019 tester: Gäckler

signature

Resonance

Test-Protocol

TestService

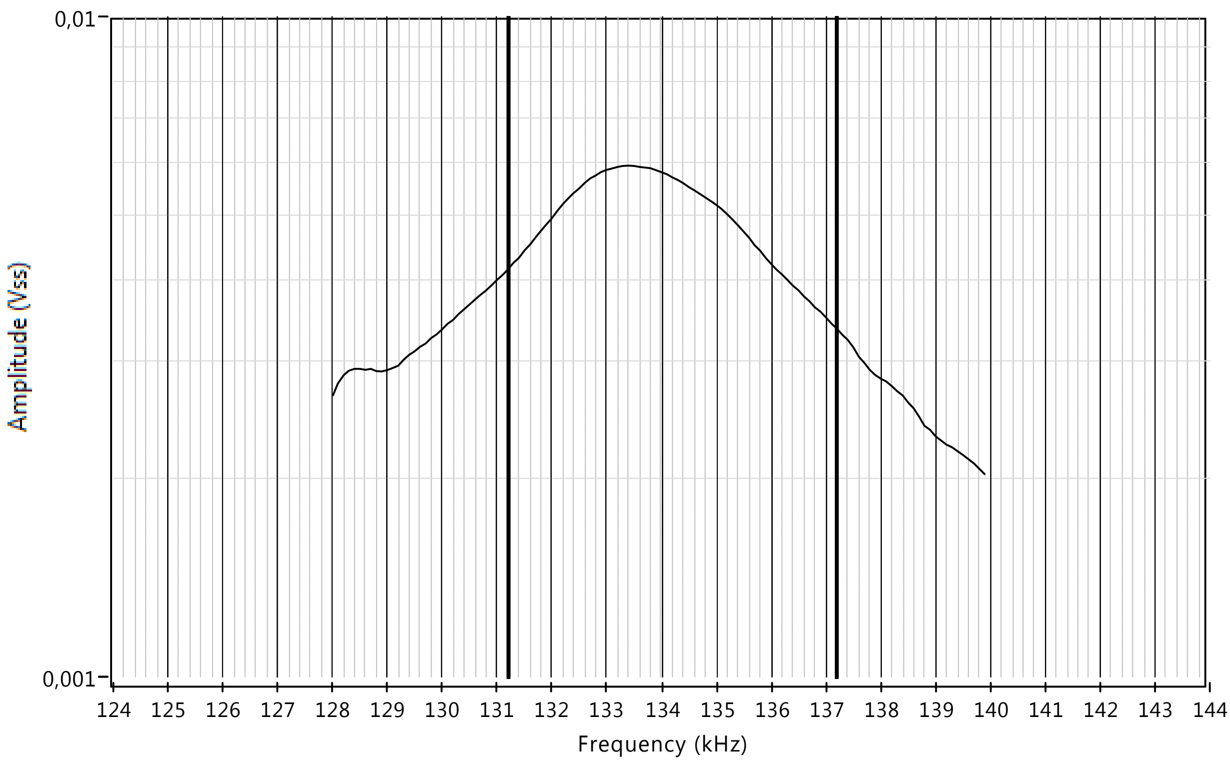
type Xiangyuxing injectable no. 15

test start	test end	DLG-test-no.
18.07.2019, 15:22	18.07.2019, 15:23	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,34

resonance frequency ☒ in limit resonance frequency 133,4 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,14	138,24



date 18.07.2019 tester: Gäckler

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Resonance

Test-Protocol

TestService

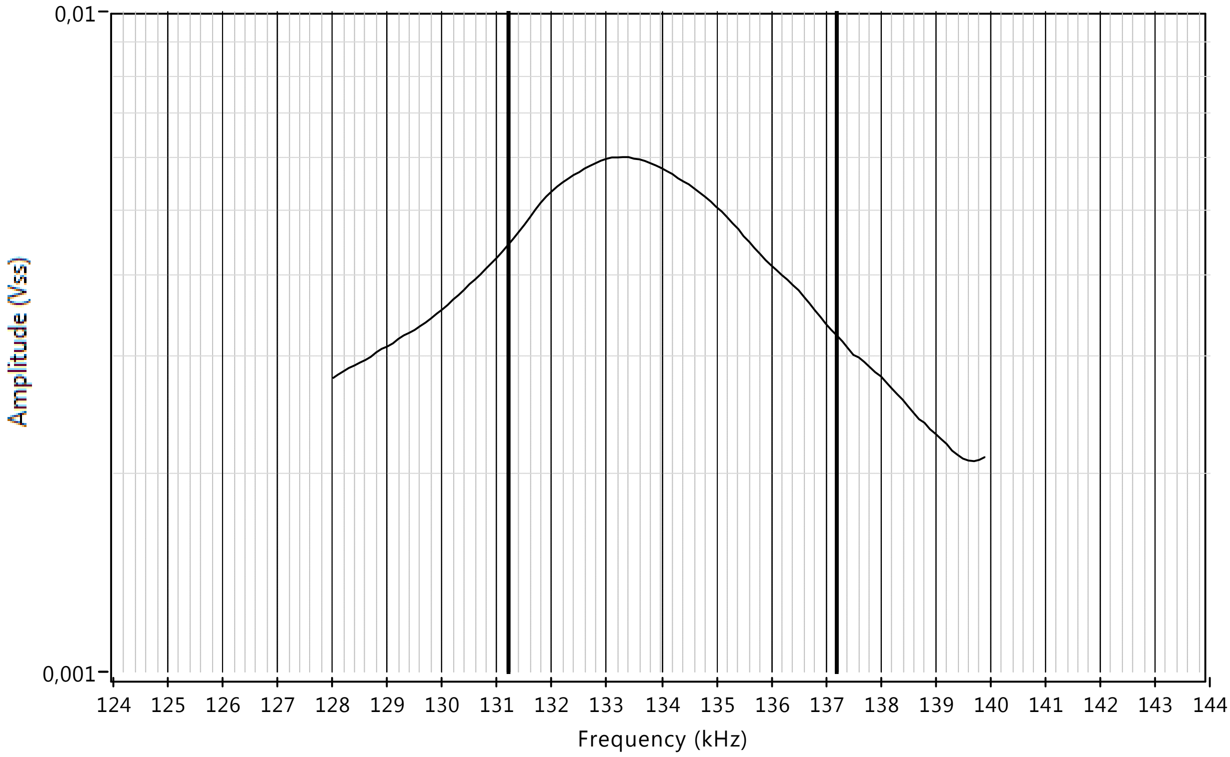
type Xiangyuxing injectable no. 16

test start	test end	DLG-test-no.
18.07.2019, 15:24	18.07.2019, 15:25	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,35

resonance frequency ☒ in limit resonance frequency 133,3 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,10	138,33



date 18.07.2019

tester: Gäckler

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Resonance **Test-Protocol** TestService

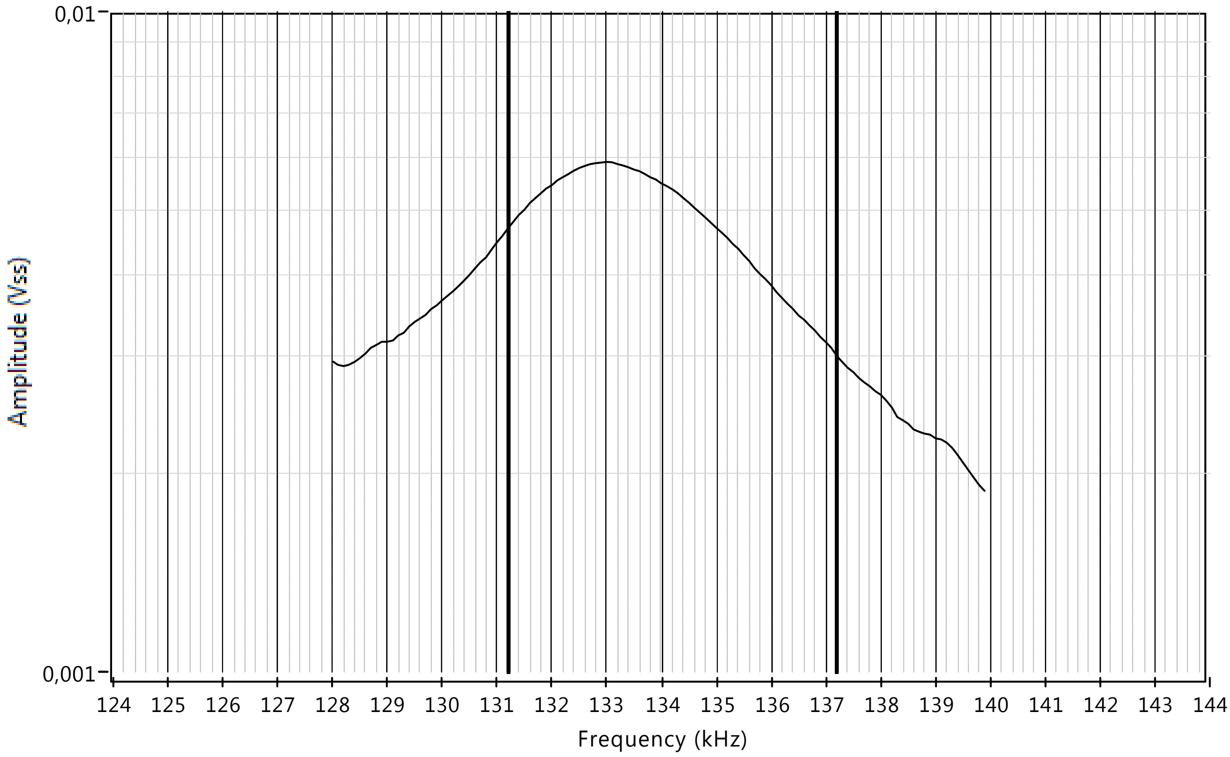
type Xiangyuxing injectable no. 17

test start	test end	DLG-test-no.
18.07.2019, 15:30	18.07.2019, 15:31	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,38

resonance frequency ☒ in limit resonance frequency 133,0 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,27	138,12



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

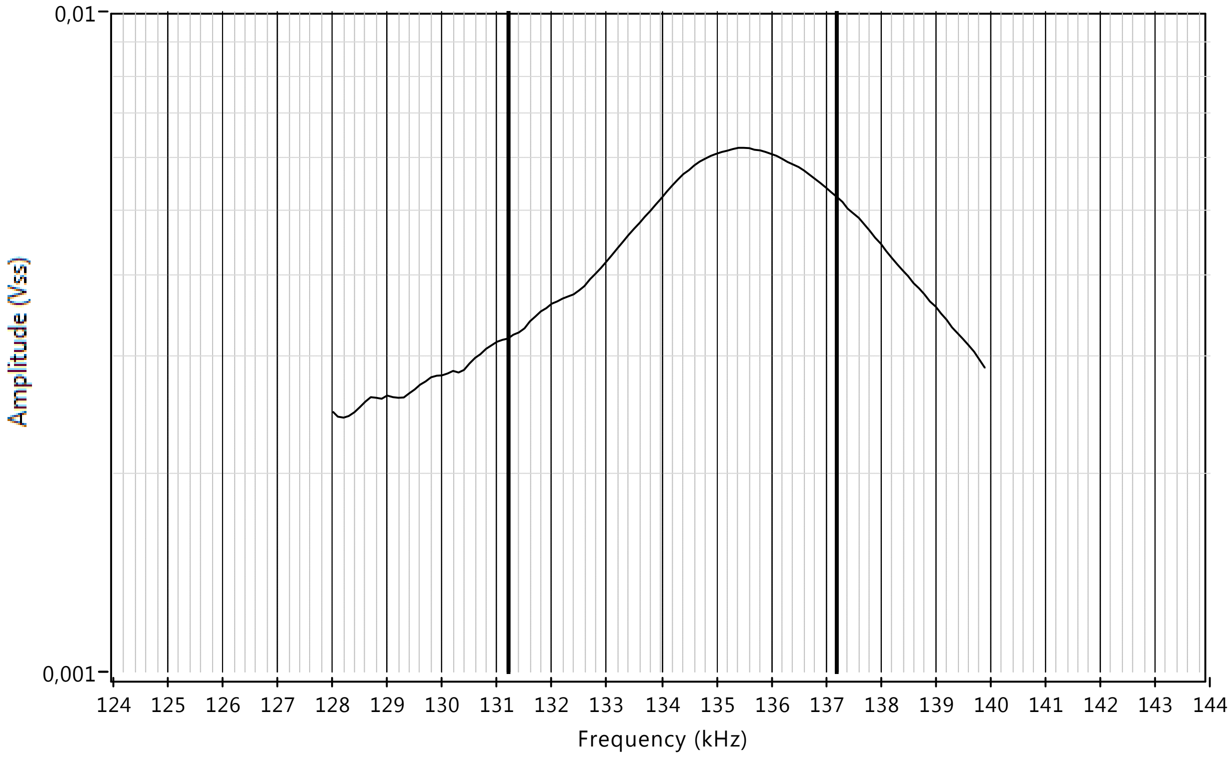
type Xiangyuxing injectable no. 18

test start	test end	DLG-test-no.
18.07.2019, 15:32	18.07.2019, 15:33	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,35

resonance frequency ☒ in limit resonance frequency 135,5 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,15



date 18.07.2019 tester: Gäckler

signature

Resonance # Test-Protocol

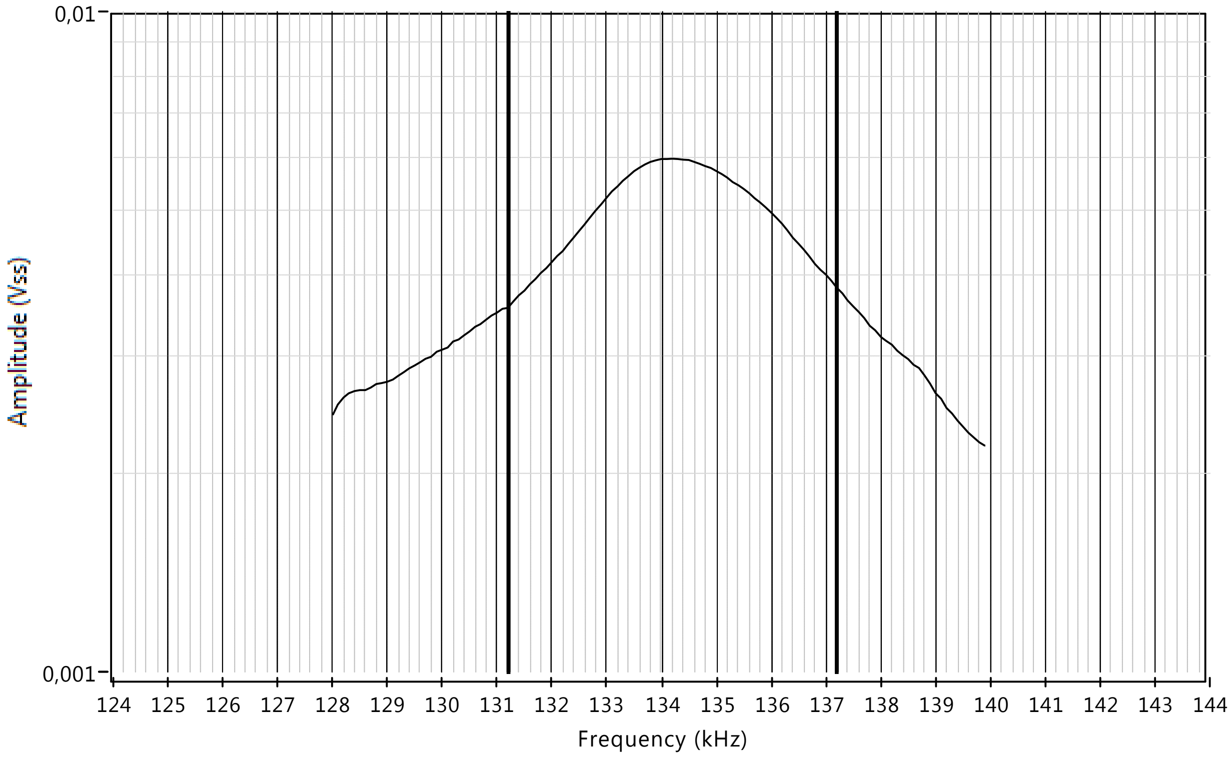
type Xiangyuxing injectable no. 19

test start	test end	DLG-test-no.
18.07.2019, 15:34	18.07.2019, 15:35	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,31

resonance frequency ☒ in limit resonance frequency 134,2 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,19	138,21



date 18.07.2019 tester: Gäckler

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Resonance

Test-Protocol

TestService

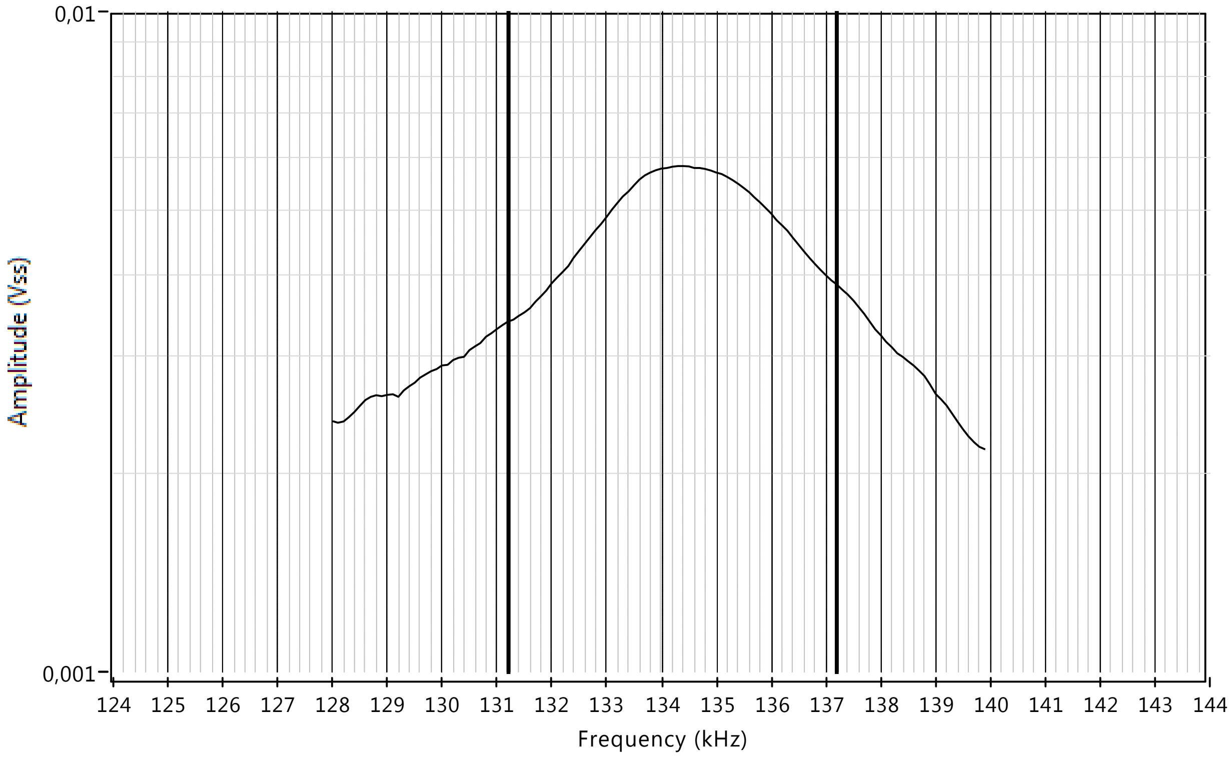
type Xiangyuxing injectable no. 20

test start	test end	DLG-test-no.
18.07.2019, 15:36	18.07.2019, 15:37	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,30

resonance frequency ☒ in limit resonance frequency 134,4 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
129,87	138,29



date 18.07.2019 tester: Gäckler ______________________ signature

Resonance **Test-Protocol** TestService

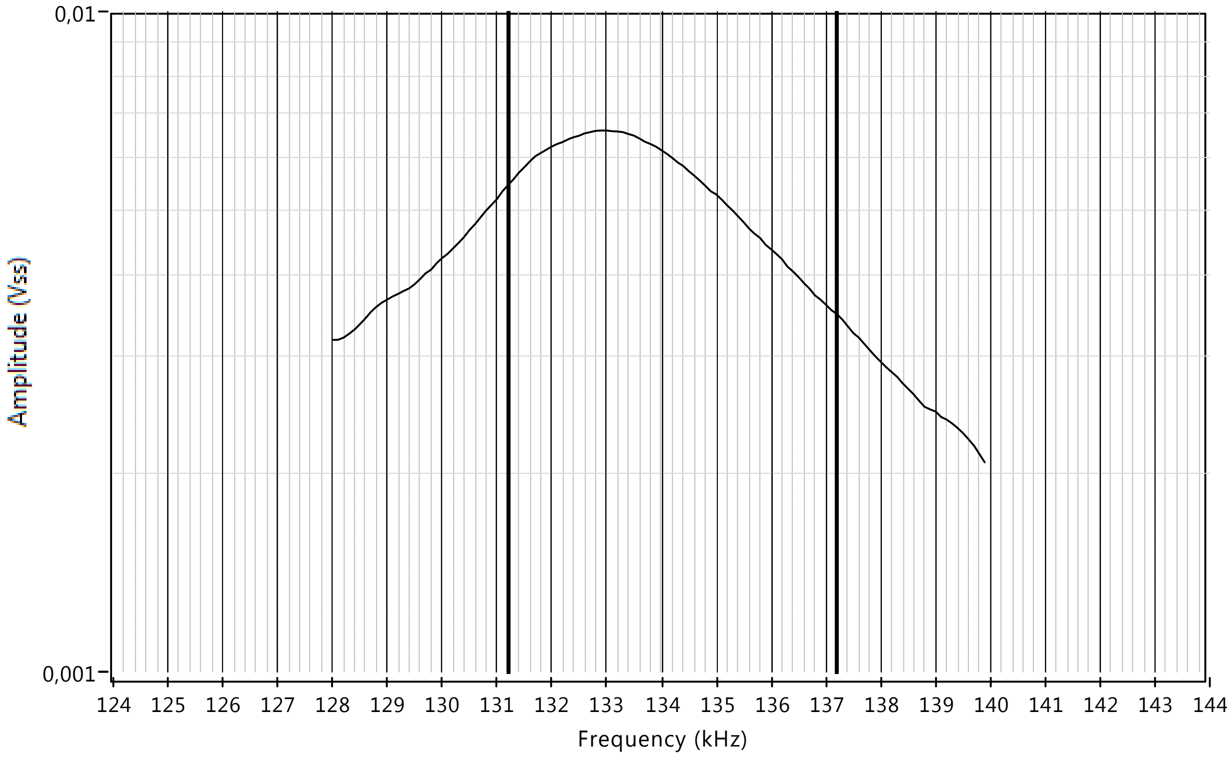
type Xiangyuxing injectable no. 21

test start	test end	DLG-test-no.
18.07.2019, 15:38	18.07.2019, 15:39	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,36

resonance frequency ☒ in limit   resonance frequency 133,0   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
130,26	138,41



date 18.07.2019   tester: Gäckler   signature

Resonance **Test-Protocol** TestService

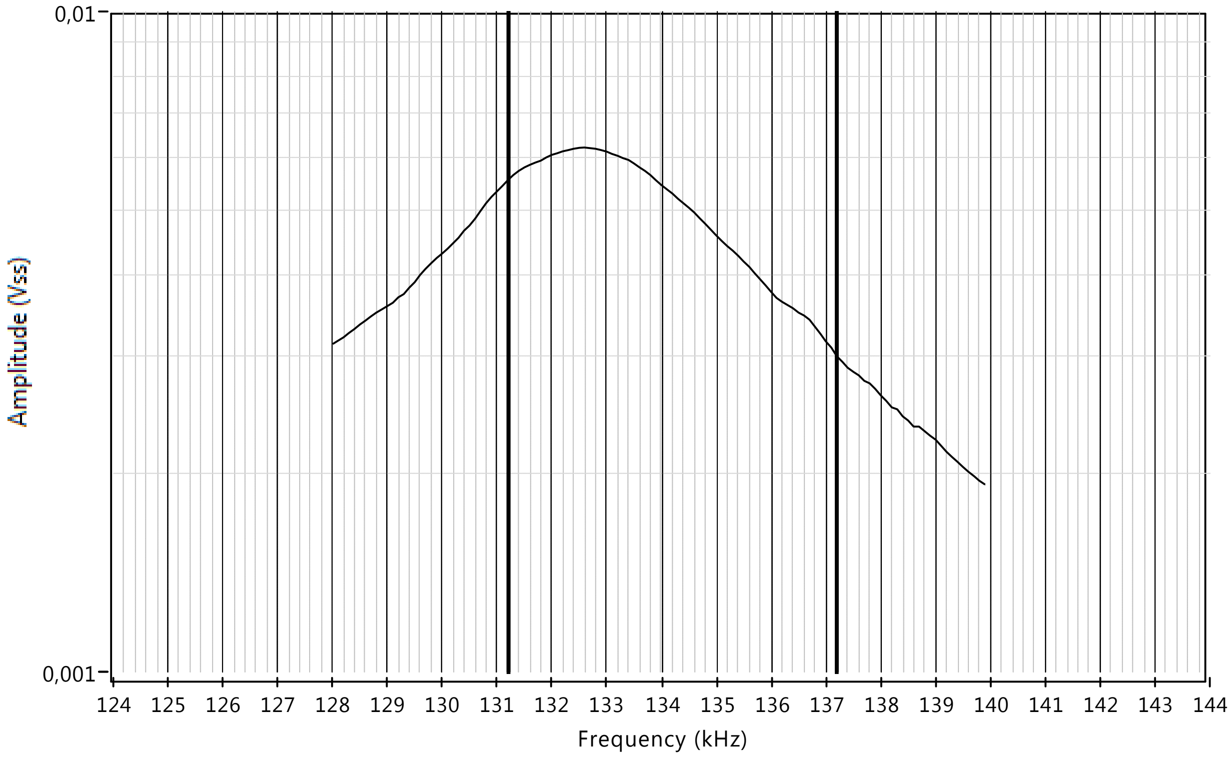
type Xiangyuxing injectable no. 22

test start	test end	DLG-test-no.
18.07.2019, 15:40	18.07.2019, 15:41	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,41

resonance frequency ☒ in limit   resonance frequency 132,6   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,16



date 18.07.2019   tester: Gäckler   signature

Resonance **Test-Protocol**

TestService

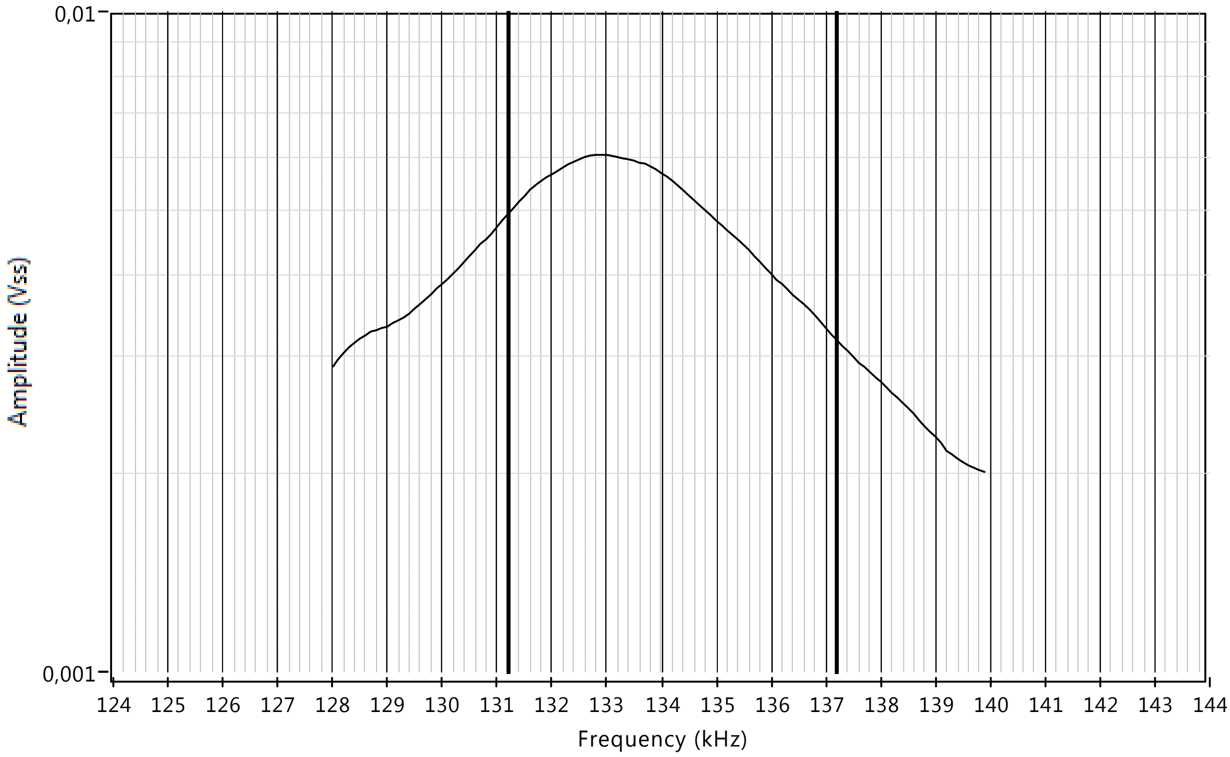
type Xiangyuxing injectable no. 23

test start	test end	DLG-test-no.
18.07.2019, 15:42	18.07.2019, 15:43	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.8	55	134,2	0,39

resonance frequency ☒ in limit resonance frequency 133,0 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,26	138,29



date 18.07.2019 tester: Gäckler

signature

Resonance

Test-Protocol

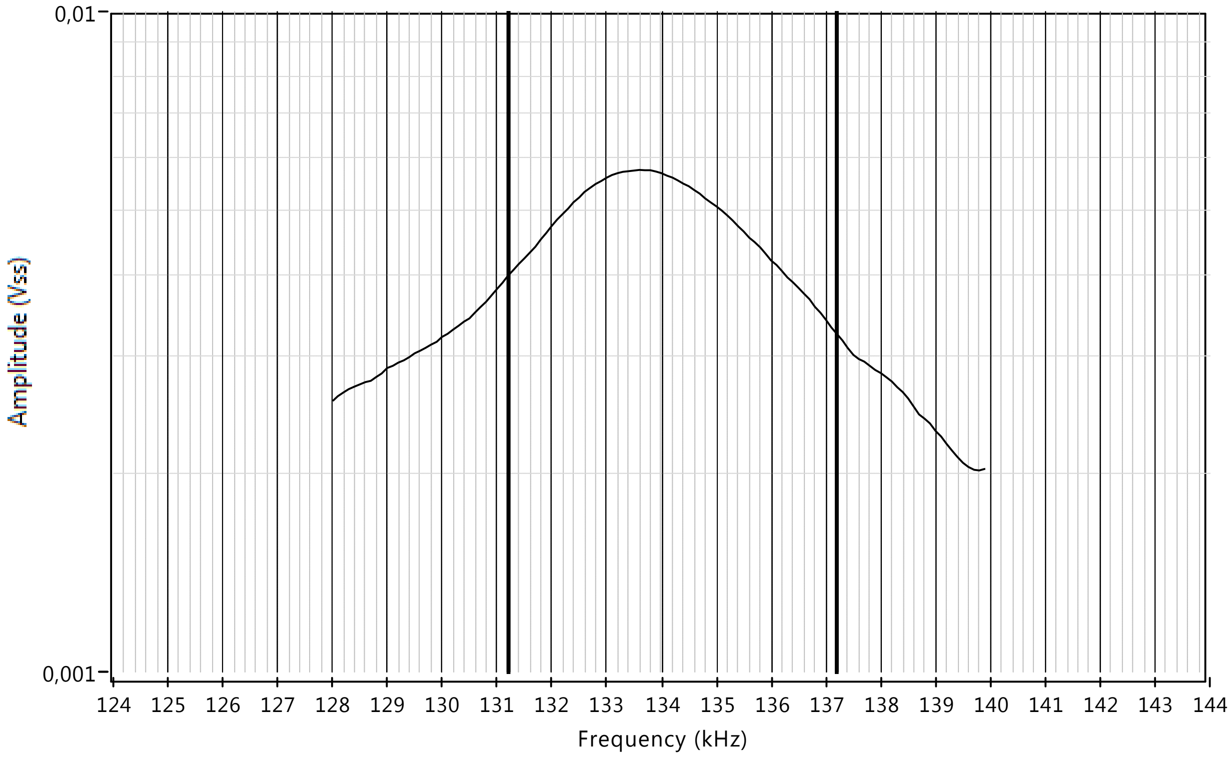
type Xiangyuxing injectable no. 24

test start	test end	DLG-test-no.
18.07.2019, 15:45	18.07.2019, 15:45	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,36

resonance frequency ☒ in limit   resonance frequency 133,6   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,16



date 18.07.2019   tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

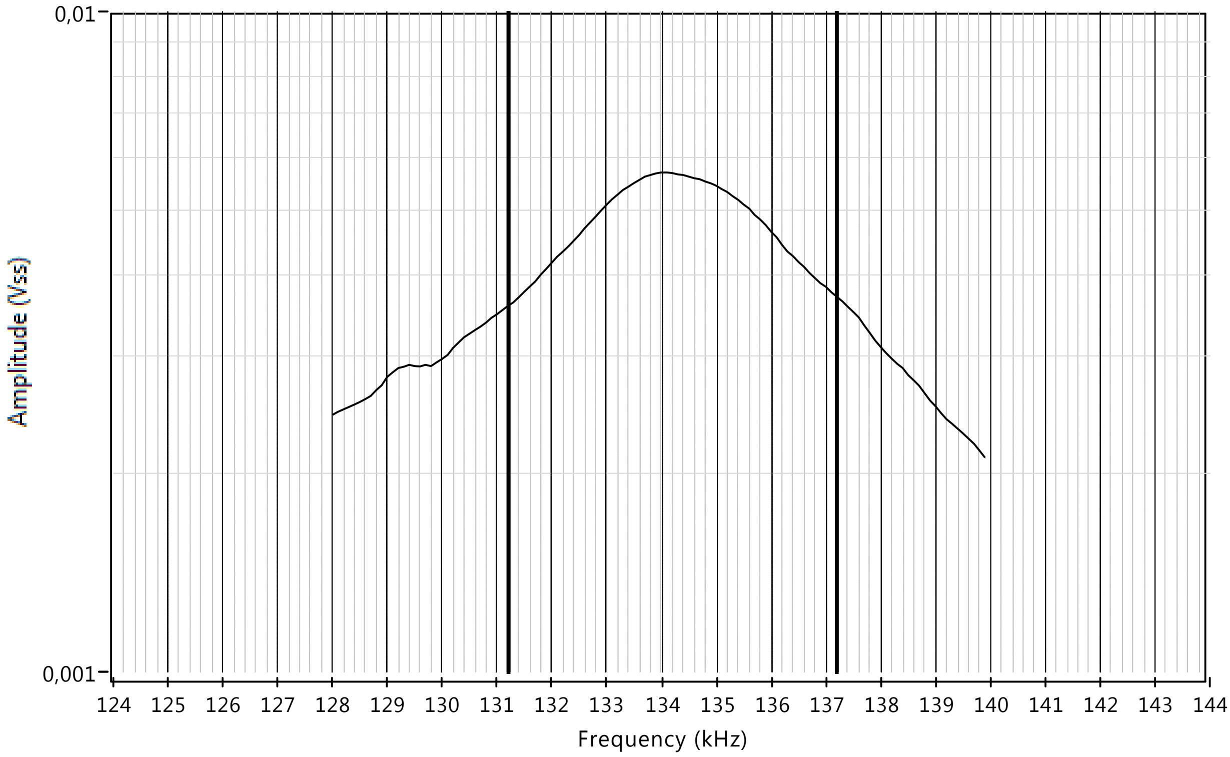
type Xiangyuxing injectable no. 25

test start	test end	DLG-test-no.
18.07.2019, 15:47	18.07.2019, 15:48	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,34

resonance frequency ☒ in limit resonance frequency 134,0 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,16



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol**

DLG TestService

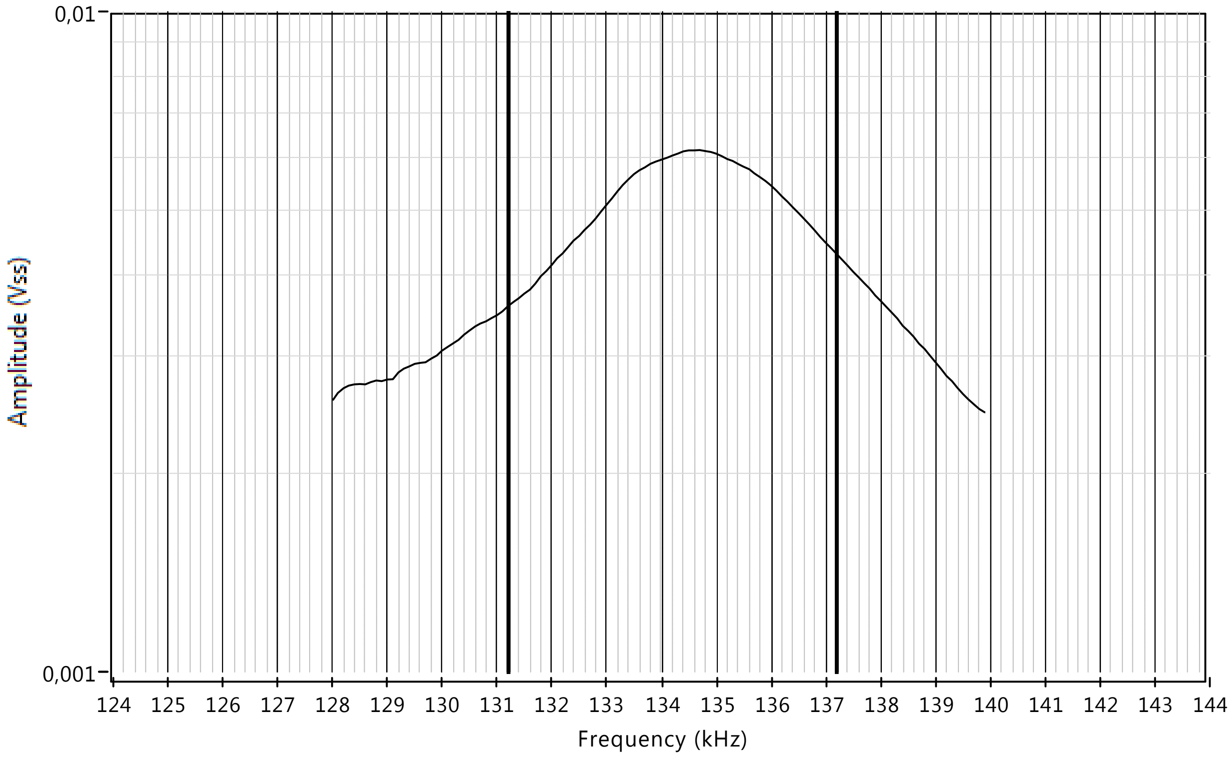
type Xiangyuxing injectable no. 26

test start	test end	DLG-test-no.
18.07.2019, 15:50	18.07.2019, 15:50	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,31

resonance frequency ☒ in limit resonance frequency 134,7 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,16



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

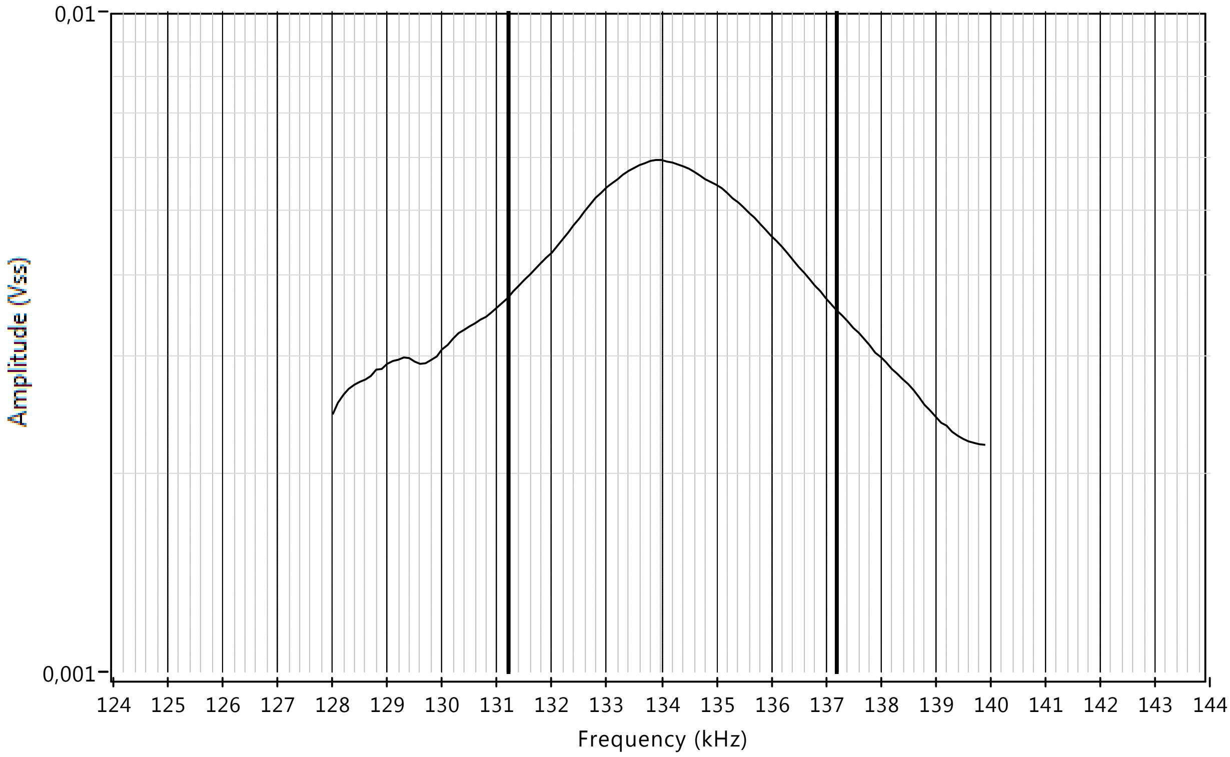
type Xiangyuxing injectable no. 27

test start	test end	DLG-test-no.
18.07.2019, 15:54	18.07.2019, 15:55	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,30

resonance frequency ☒ in limit resonance frequency 133,9 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,32	138,29



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

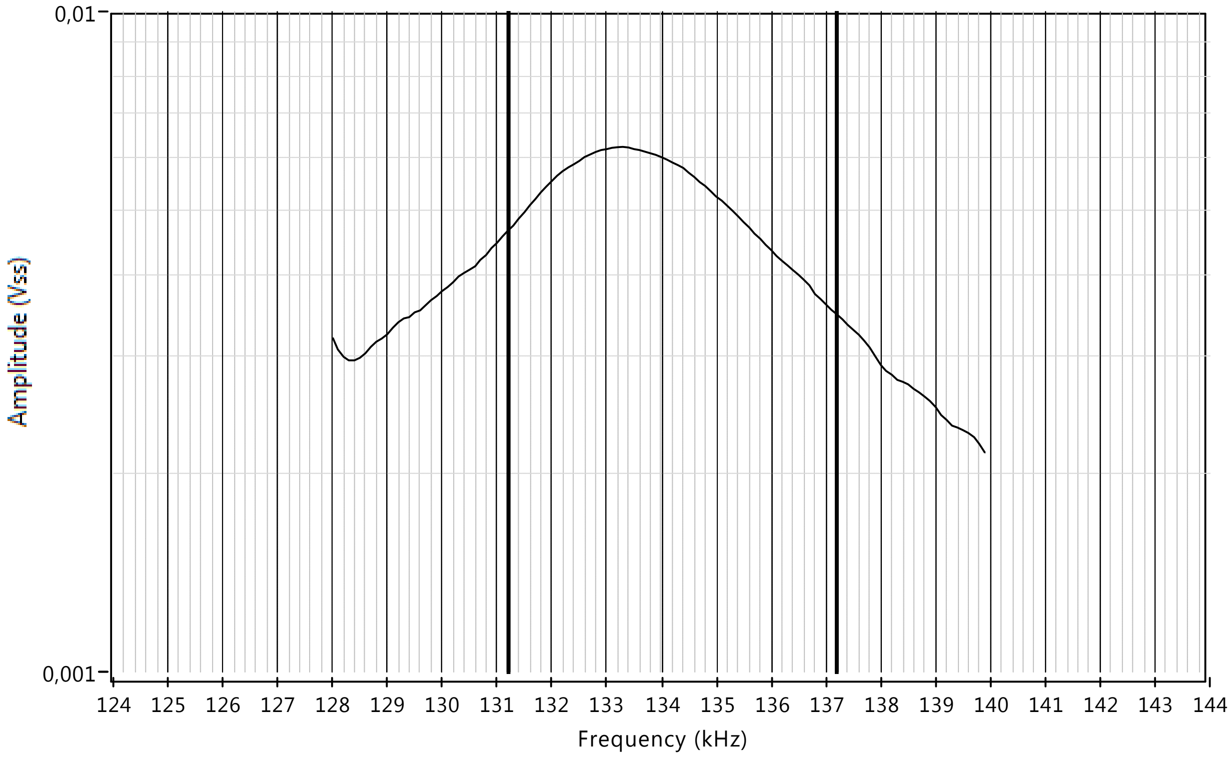
type Xiangyuxing injectable no. 28

test start	test end	DLG-test-no.
18.07.2019, 15:57	18.07.2019, 15:57	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,35

resonance frequency ☒ in limit resonance frequency 133,3 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,42



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol** TestService

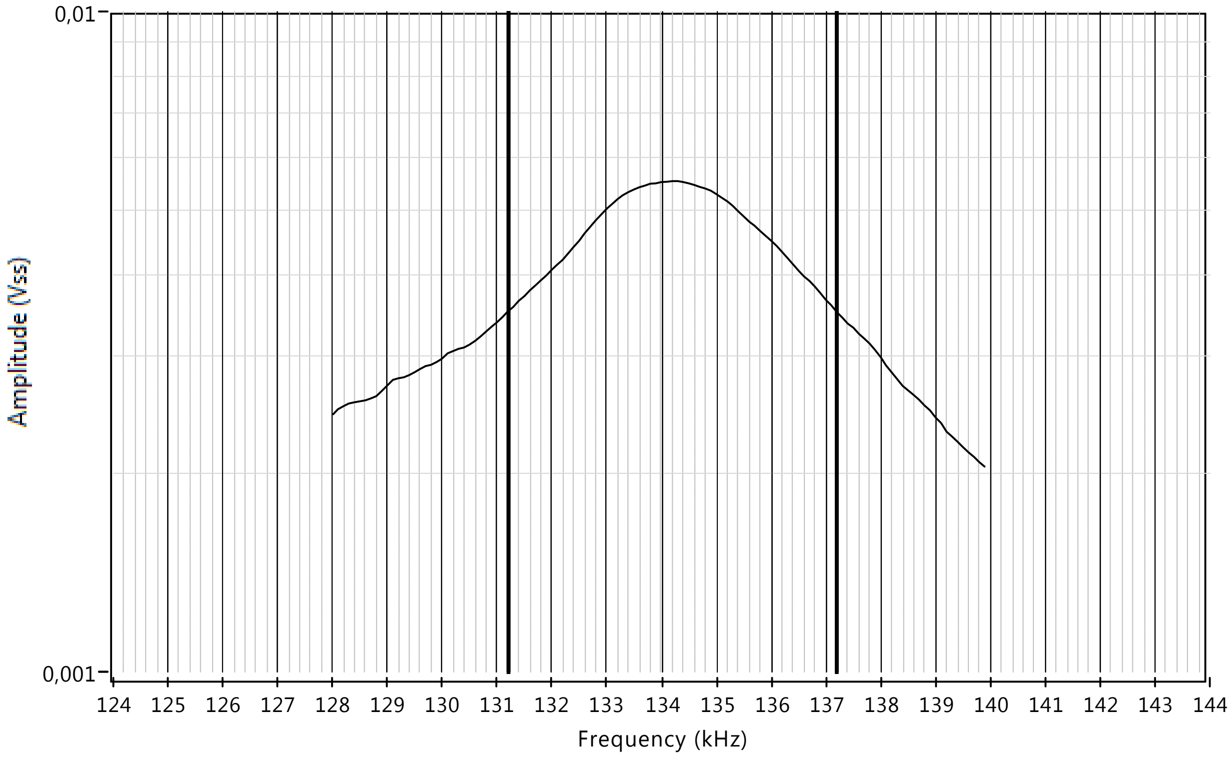
type Xiangyuxing injectable no. 29

test start	test end	DLG-test-no.
18.07.2019, 15:58	18.07.2019, 15:59	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,35

resonance frequency ☒ in limit resonance frequency 134,2 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,17



date 18.07.2019 tester: Gäckler

signature

Seite 1 / 1

Resonance | **Test-Protocol** | TestService

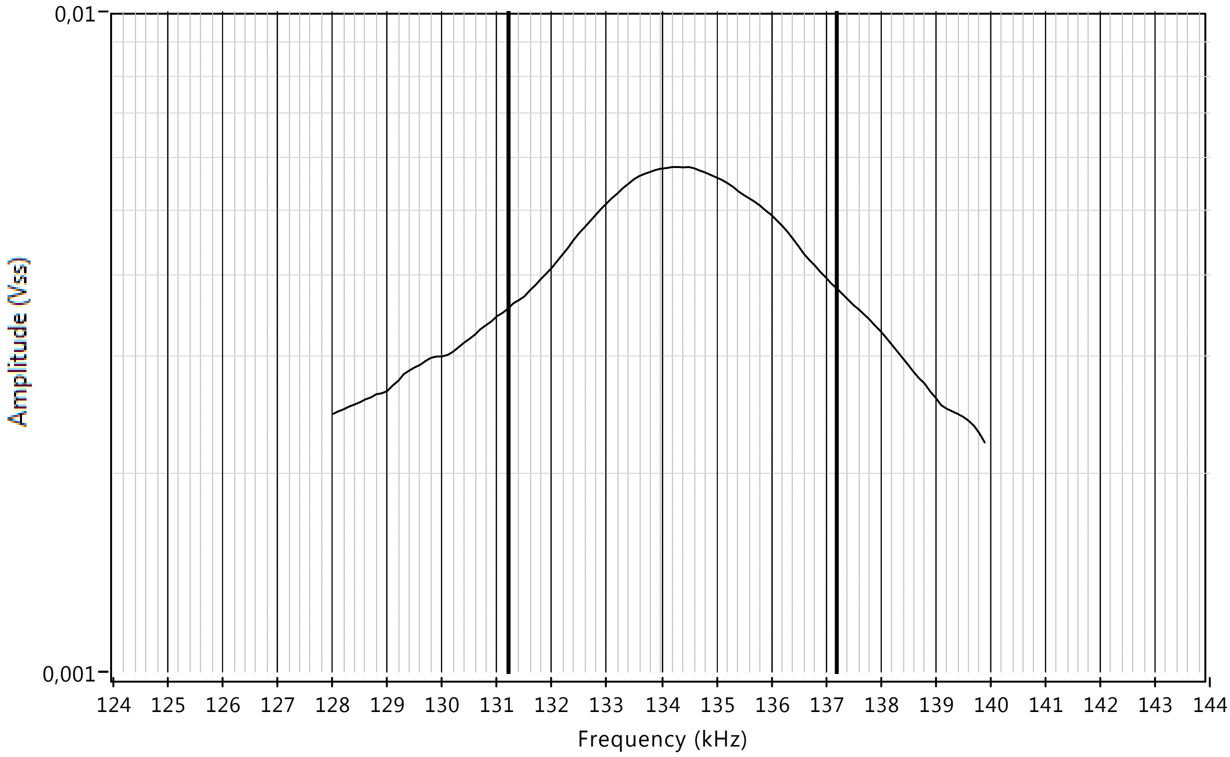
type Xiangyuxing injectable no. 30

test start	test end	DLG-test-no.
18.07.2019, 16:01	18.07.2019, 16:01	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,33

resonance frequency ☒ in limit   resonance frequency 134,3   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
130,14	138,25



date 18.07.2019   tester: Gäckler   ______________________ signature

Resonance | **Test-Protocol**

TestService

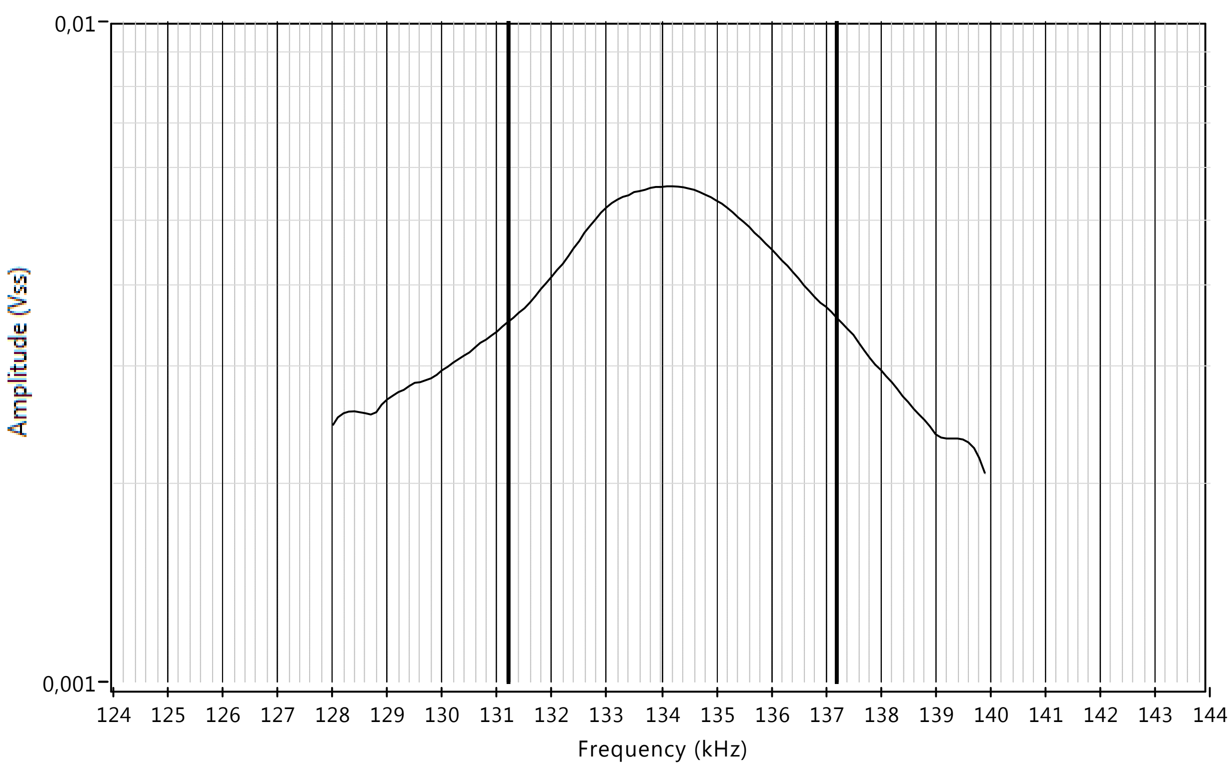
type Xiangyuxing injectable no. 31

test start	test end	DLG-test-no.
18.07.2019, 16:03	18.07.2019, 16:03	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,32

resonance frequency ☒ in limit   resonance frequency 134,1   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
130,26	138,31



date 18.07.2019   tester: Gäckler   signature

Resonance

Test-Protocol

TestService

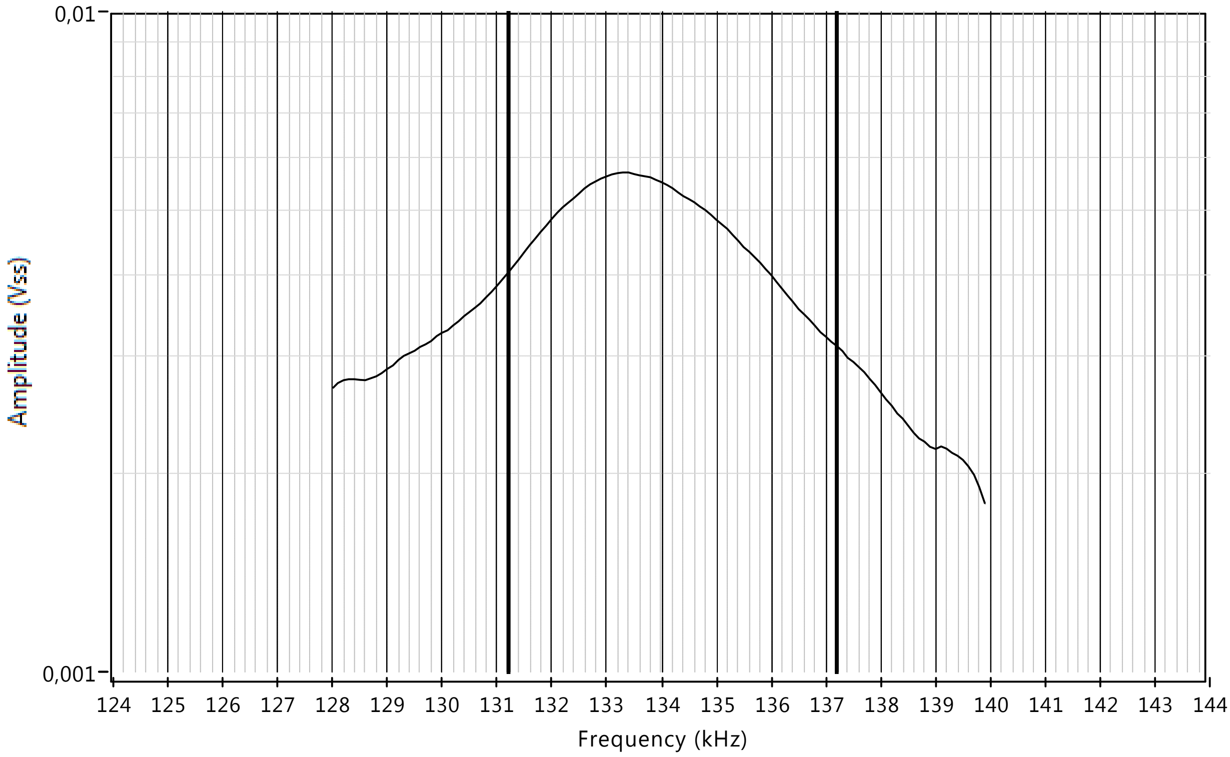
type Xiangyuxing injectable no. 32

test start	test end	DLG-test-no.
18.07.2019, 16:05	18.07.2019, 16:05	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,35

resonance frequency ☒ in limit resonance frequency 133,4 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,15



date 18.07.2019 tester: Gäckler

signature

Resonance

Test-Protocol

TestService

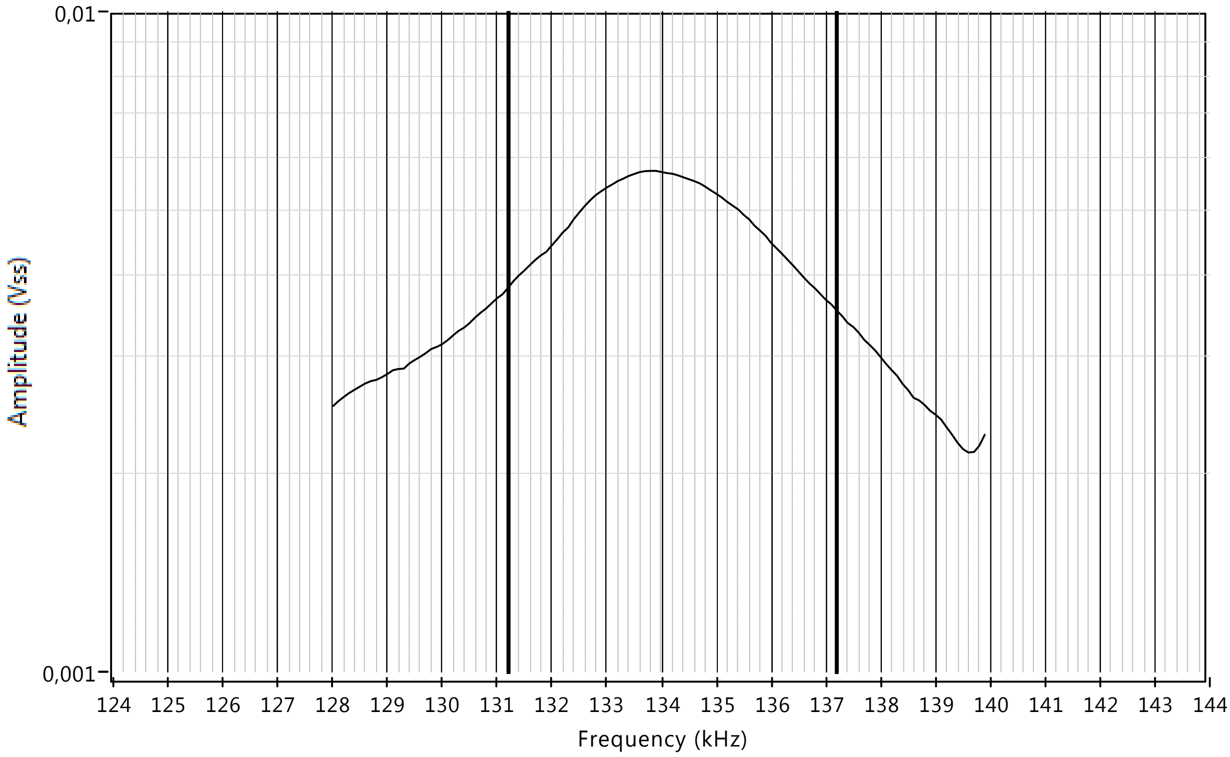
type Xiangyuxing injectable no. 33

test start	test end	DLG-test-no.
18.07.2019, 16:07	18.07.2019, 16:08	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,36

resonance frequency ☒ in limit resonance frequency 133,9 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,26	138,12



date 18.07.2019 tester: Gäckler

signature

Resonance

Test-Protocol

TestService

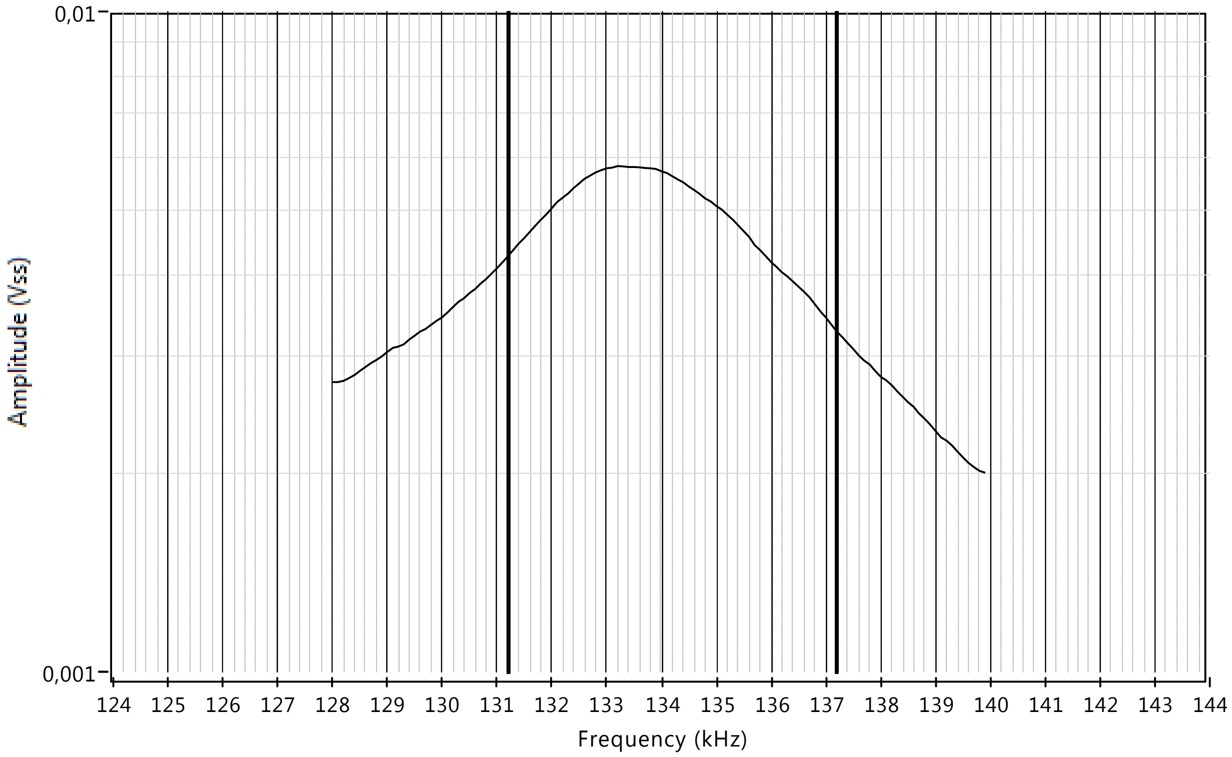
type Xiangyuxing injectable no. 34

test start	test end	DLG-test-no.
18.07.2019, 16:09	18.07.2019, 16:10	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,37

resonance frequency ☒ in limit resonance frequency 133,2 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,26	138,12



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

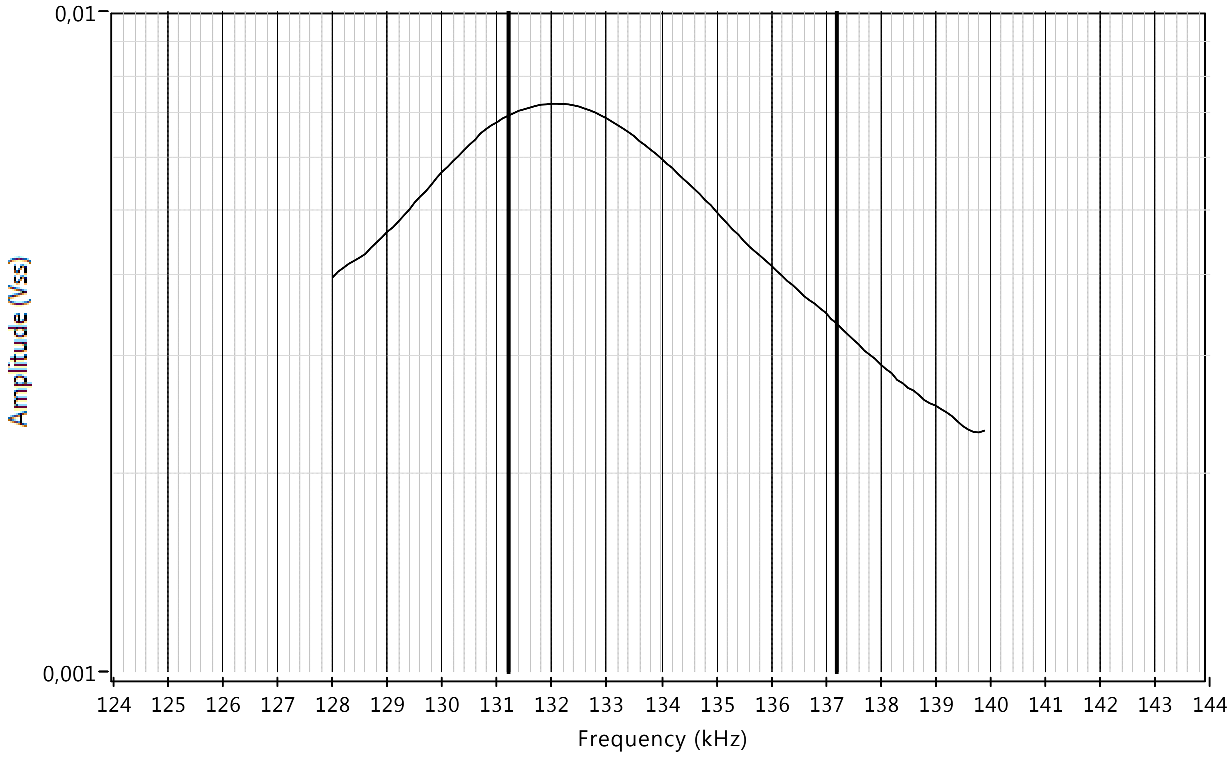
type Xiangyuxing injectable no. 35

test start	test end	DLG-test-no.
18.07.2019, 16:11	18.07.2019, 16:12	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
21.9	55	134,2	0,43

resonance frequency ☒ in limit resonance frequency 132,1 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,27	138,12



date 18.07.2019 tester: Gäckler

signature

Resonance

Test-Protocol

TestService

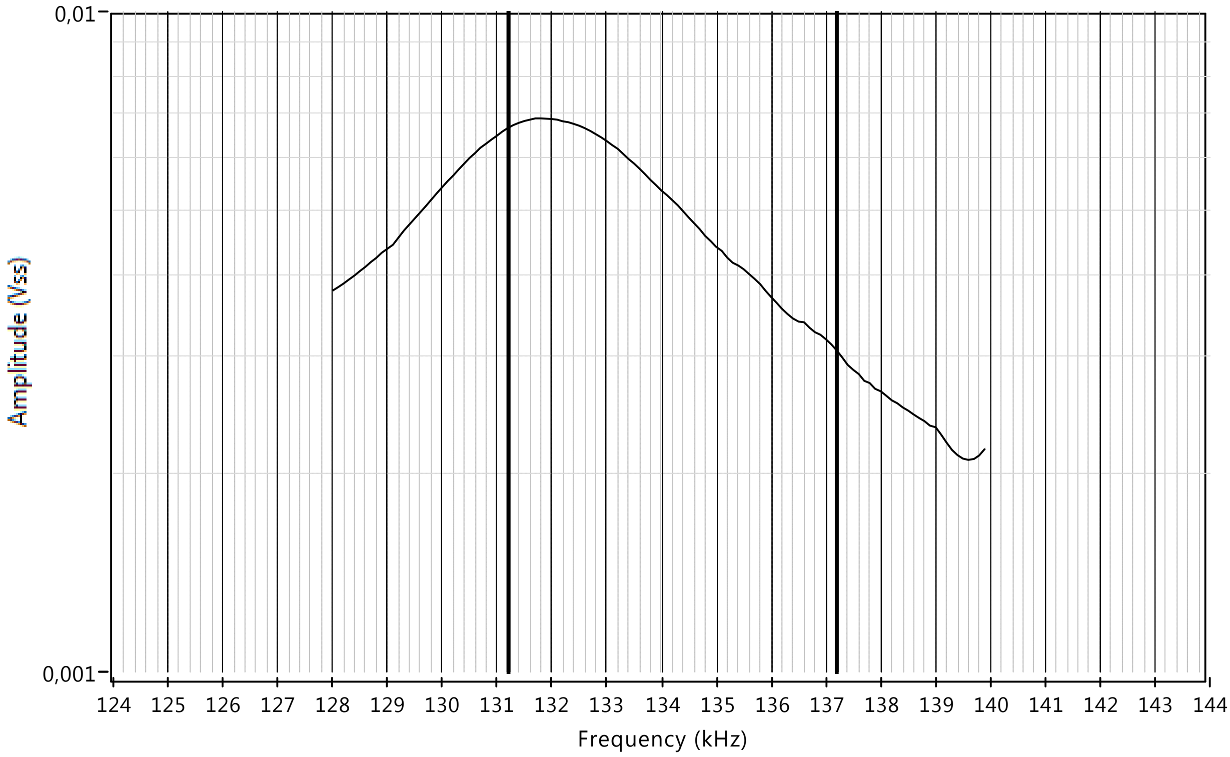
type Xiangyuxing injectable no. 36

test start	test end	DLG-test-no.
18.07.2019, 16:14	18.07.2019, 16:15	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,44

resonance frequency ☒ in limit resonance frequency 131,7 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,27	138,12



date 18.07.2019

tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

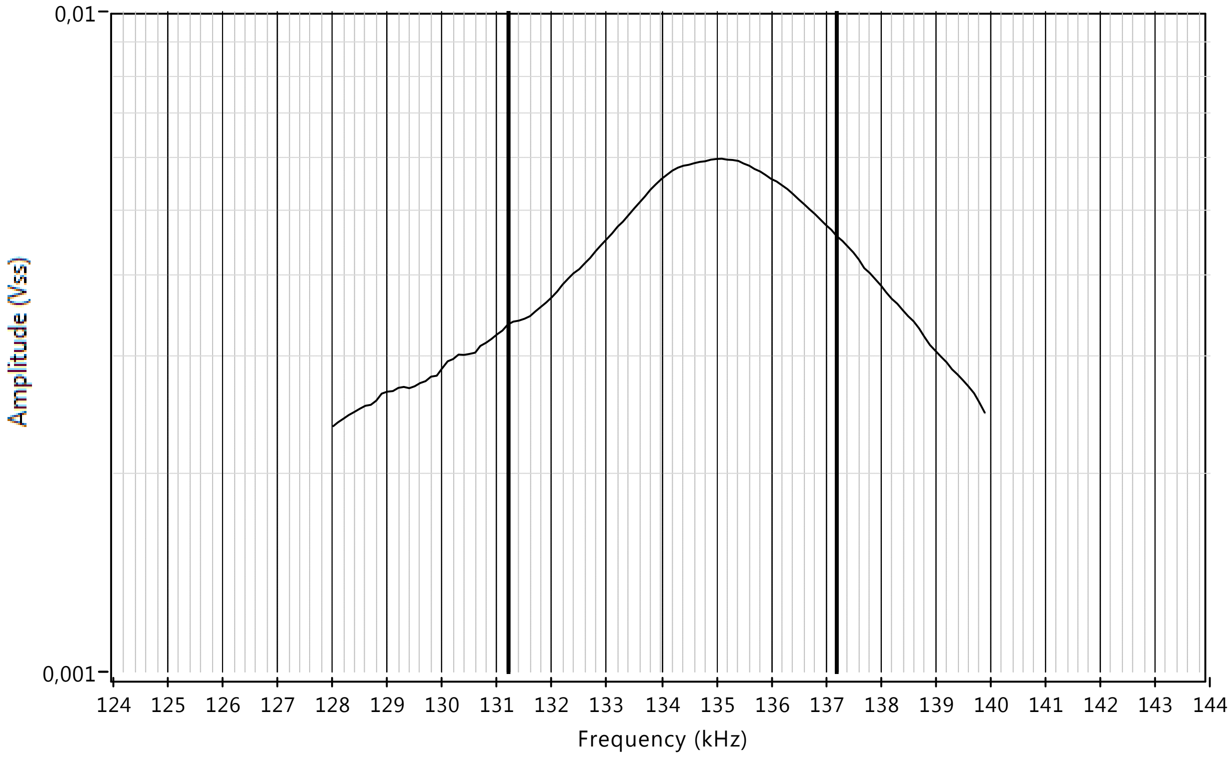
type Xiangyuxing injectable no. 37

test start	test end	DLG-test-no.
18.07.2019, 16:17	18.07.2019, 16:18	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,32

resonance frequency ☒ in limit   resonance frequency 135,1   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
132,01	136,29



date 18.07.2019   tester: Gäckler

signature

Resonance | **Test-Protocol** | DLG TestService

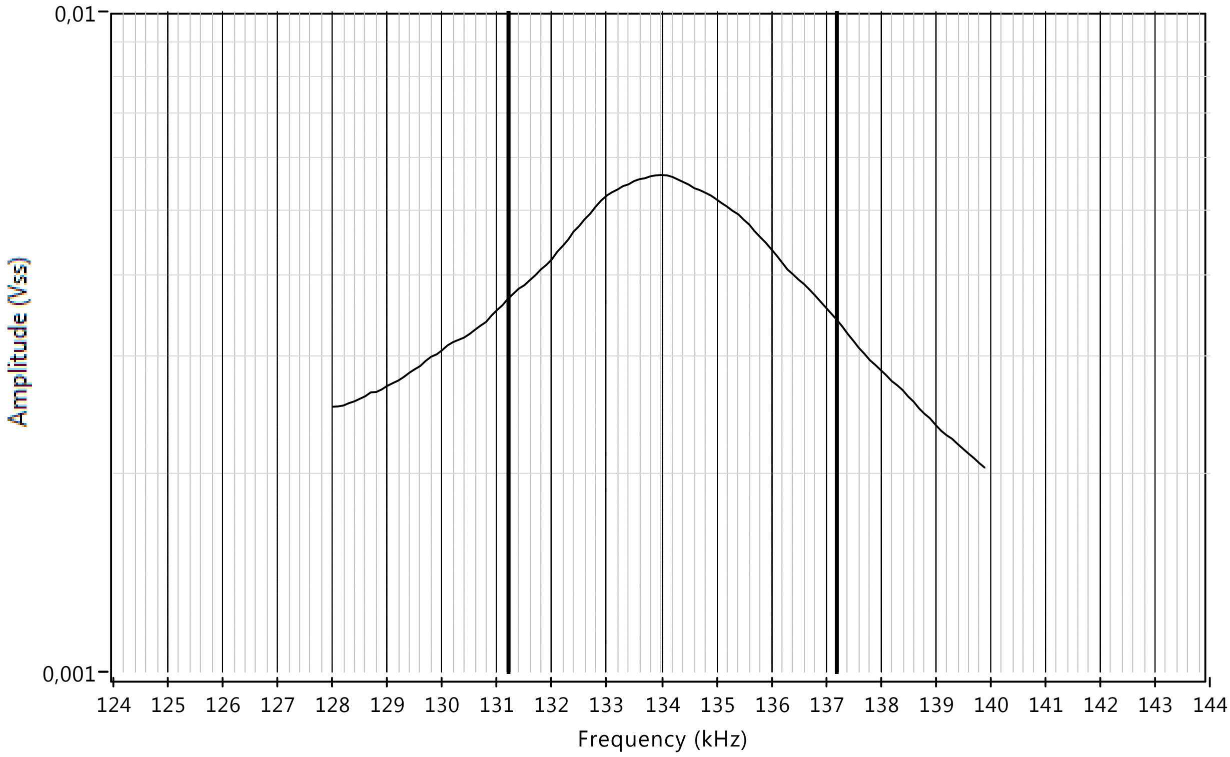
type Xiangyuxing injectable no. 38

test start	test end	DLG-test-no.
18.07.2019, 16:19	18.07.2019, 16:20	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,35

resonance frequency ☒ in limit   resonance frequency 134,0   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
130,2	138,19



date 18.07.2019   tester: Gäckler   ________________ signature

Resonance

Test-Protocol

DLG TestService

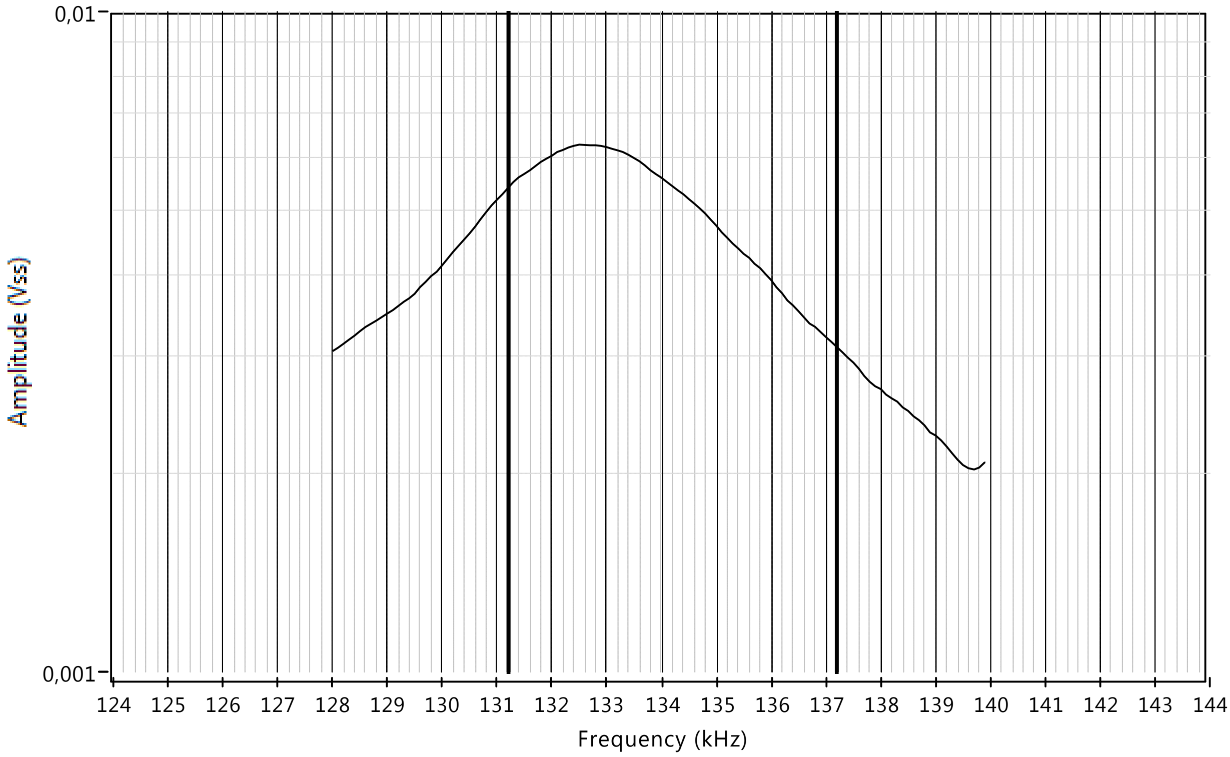
type Xiangyuxing injectable no. 39

test start	test end	DLG-test-no.
18.07.2019, 16:21	18.07.2019, 16:21	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,41

resonance frequency ☒ in limit resonance frequency 132,5 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,26	138,38



date 18.07.2019

tester: Gäckler

signature

Resonance

Test-Protocol

TestService

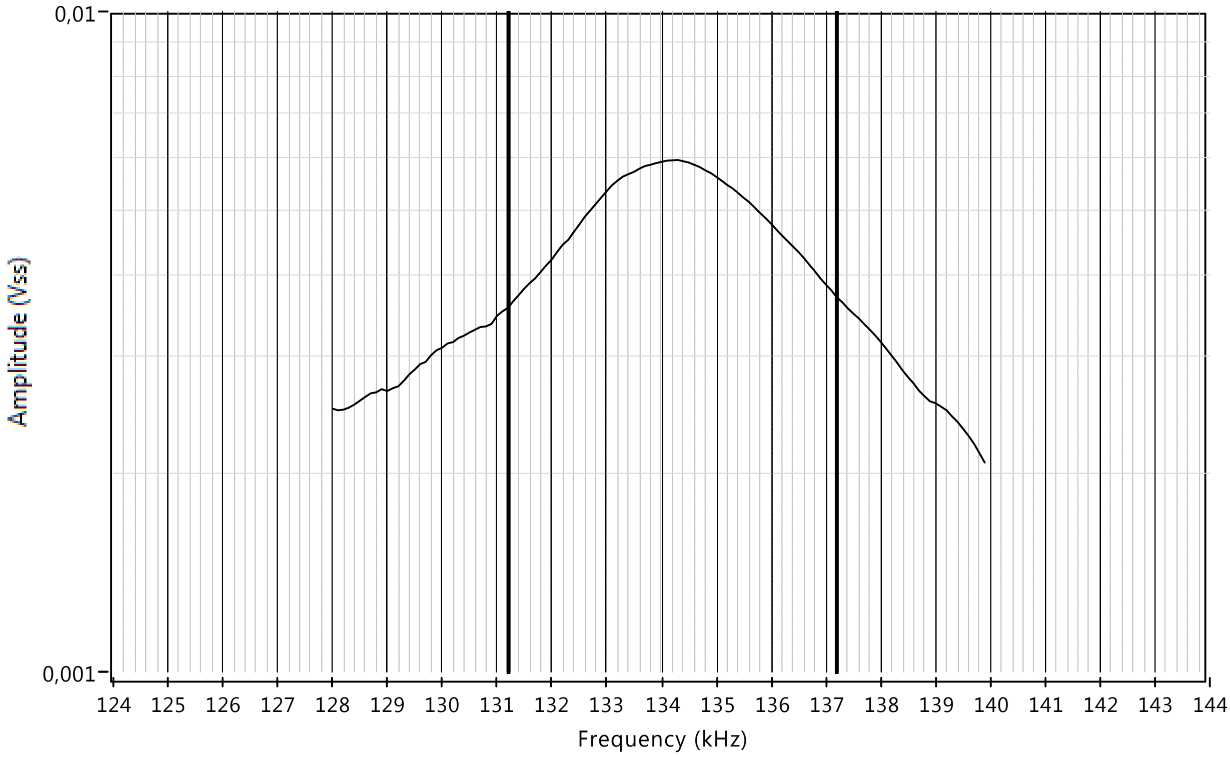
type Xiangyuxing injectable no. 40

test start	test end	DLG-test-no.
18.07.2019, 16:23	18.07.2019, 16:23	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,30

resonance frequency ☒ in limit   resonance frequency 134,3   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
130,08	138,30



date 18.07.2019   tester: Gäckler   signature

Resonance **Test-Protocol**

TestService

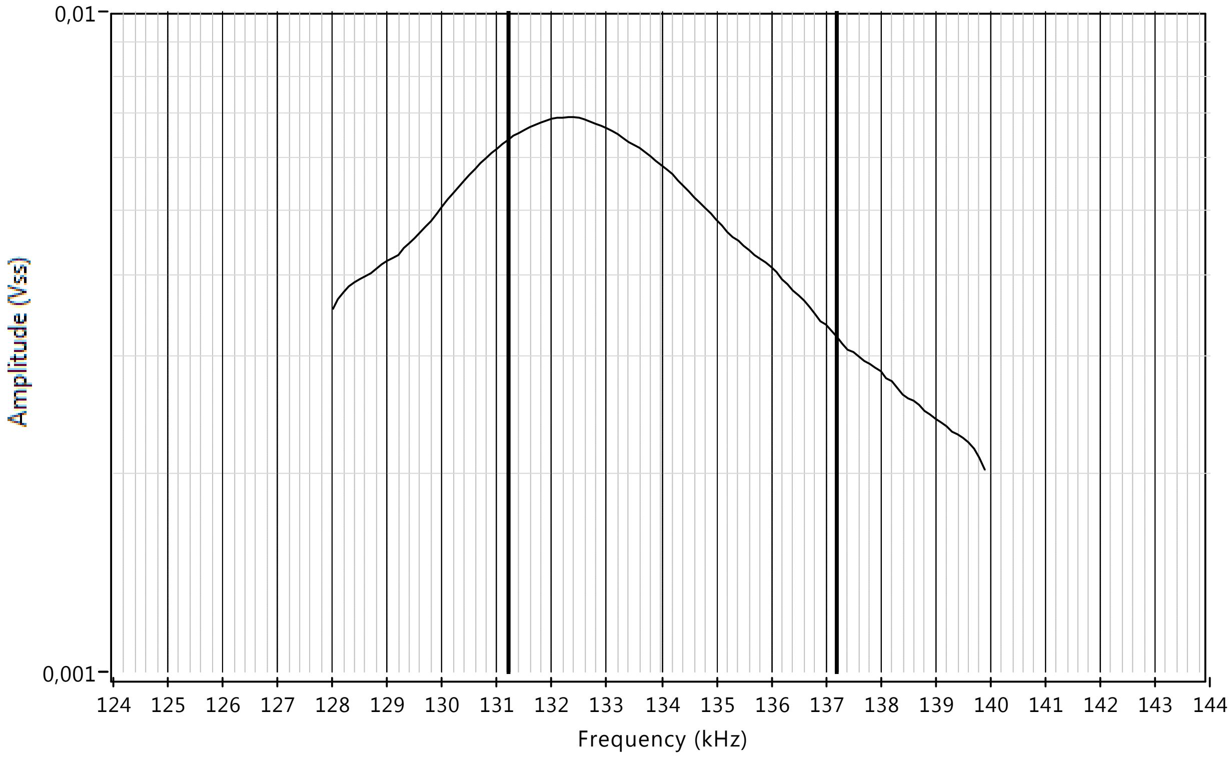
type Xiangyuxing injectable no. 41

test start	test end	DLG-test-no.
18.07.2019, 16:24	18.07.2019, 16:25	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,41

resonance frequency ☒ in limit resonance frequency 132,4 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,16



date 18.07.2019 tester: Gäckler

signature

Resonance

Test-Protocol

TestService

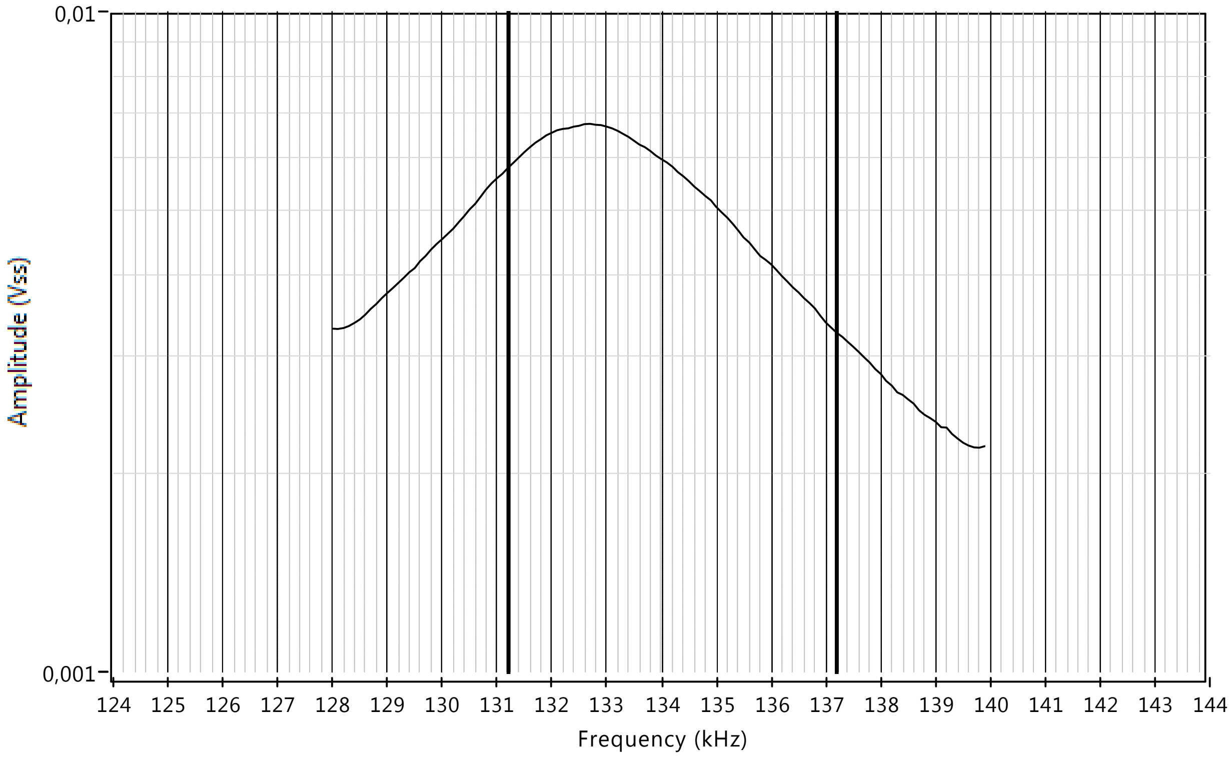
type Xiangyuxing injectable no. 42

test start	test end	DLG-test-no.
18.07.2019, 16:26	18.07.2019, 16:27	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,37

resonance frequency ☒ in limit resonance frequency 132,7 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,26	138,12



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol** TestService

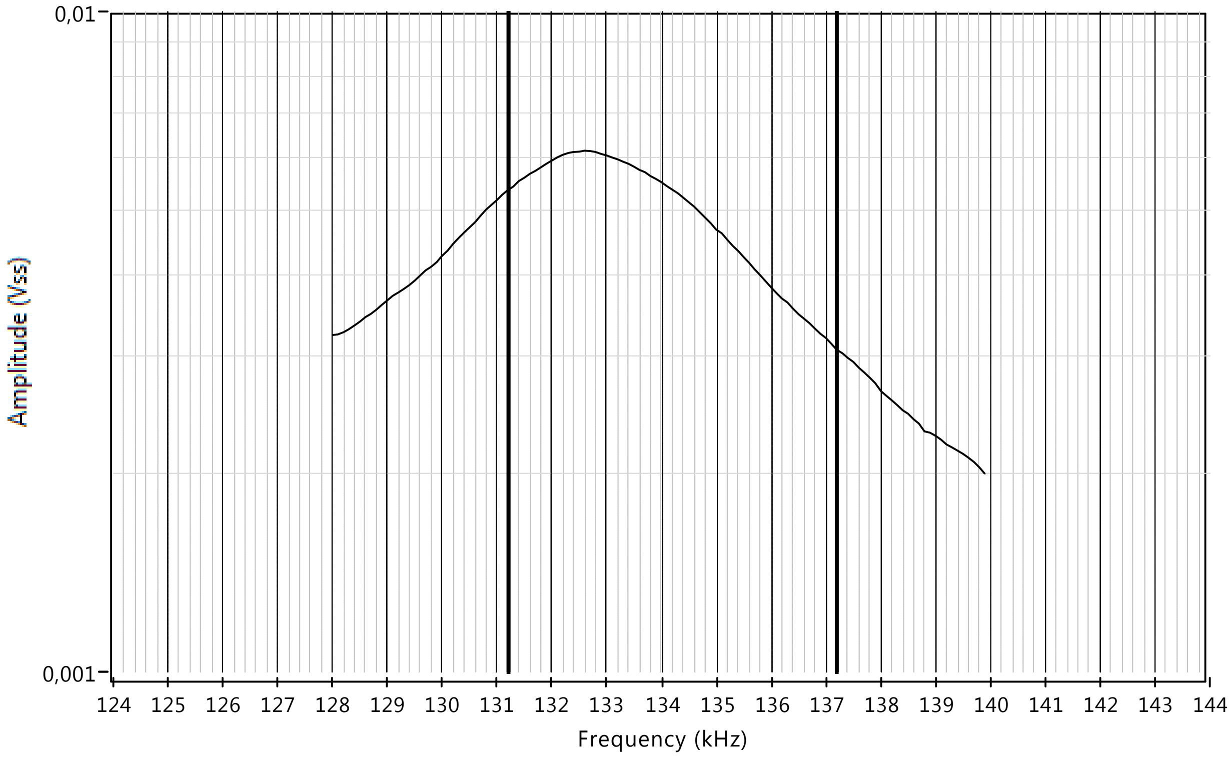
type Xiangyuxing injectable no. 43

test start	test end	DLG-test-no.
18.07.2019, 16:28	18.07.2019, 16:29	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,42

resonance frequency ☒ in limit resonance frequency 132,6 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,16



date 18.07.2019 tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

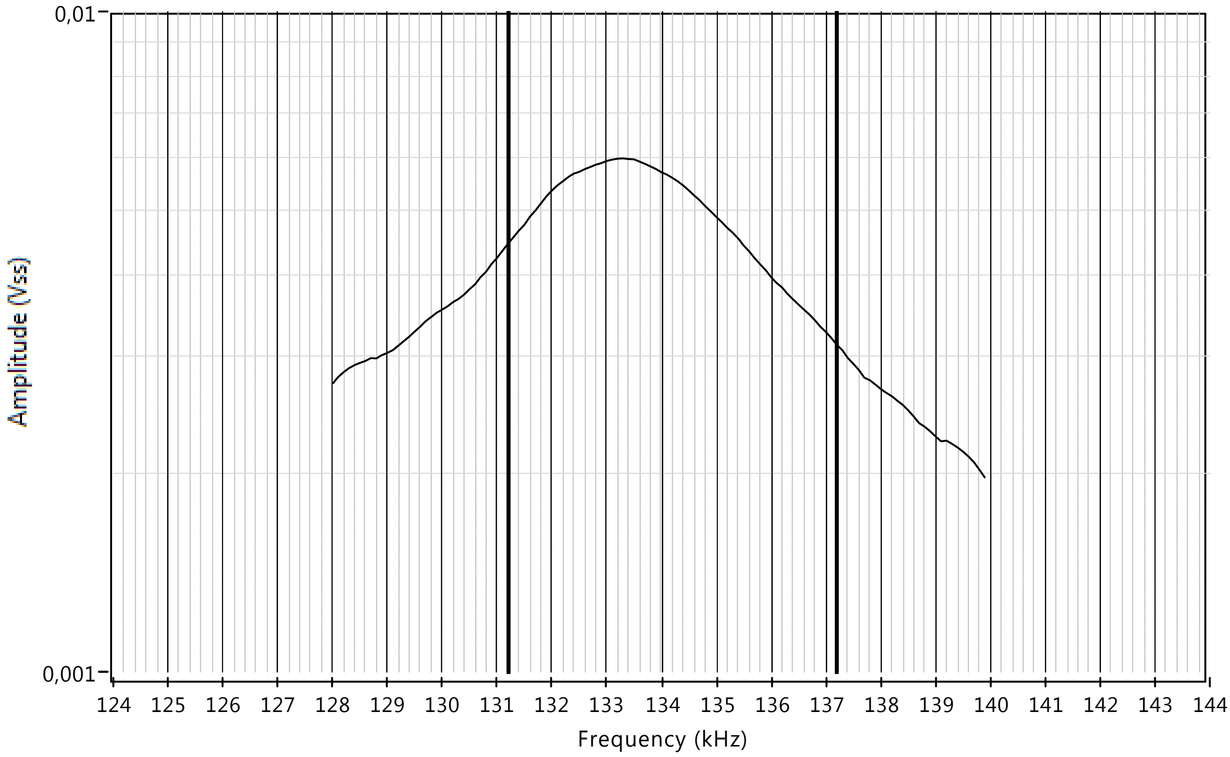
type Xiangyuxing injectable no. 44

test start	test end	DLG-test-no.
18.07.2019, 16:30	18.07.2019, 16:31	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,34

resonance frequency ☒ in limit resonance frequency 133,3 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,02	138,36



date 18.07.2019 tester: Gäckler signature

Seite 1 / 1

Resonance

Test-Protocol

TestService

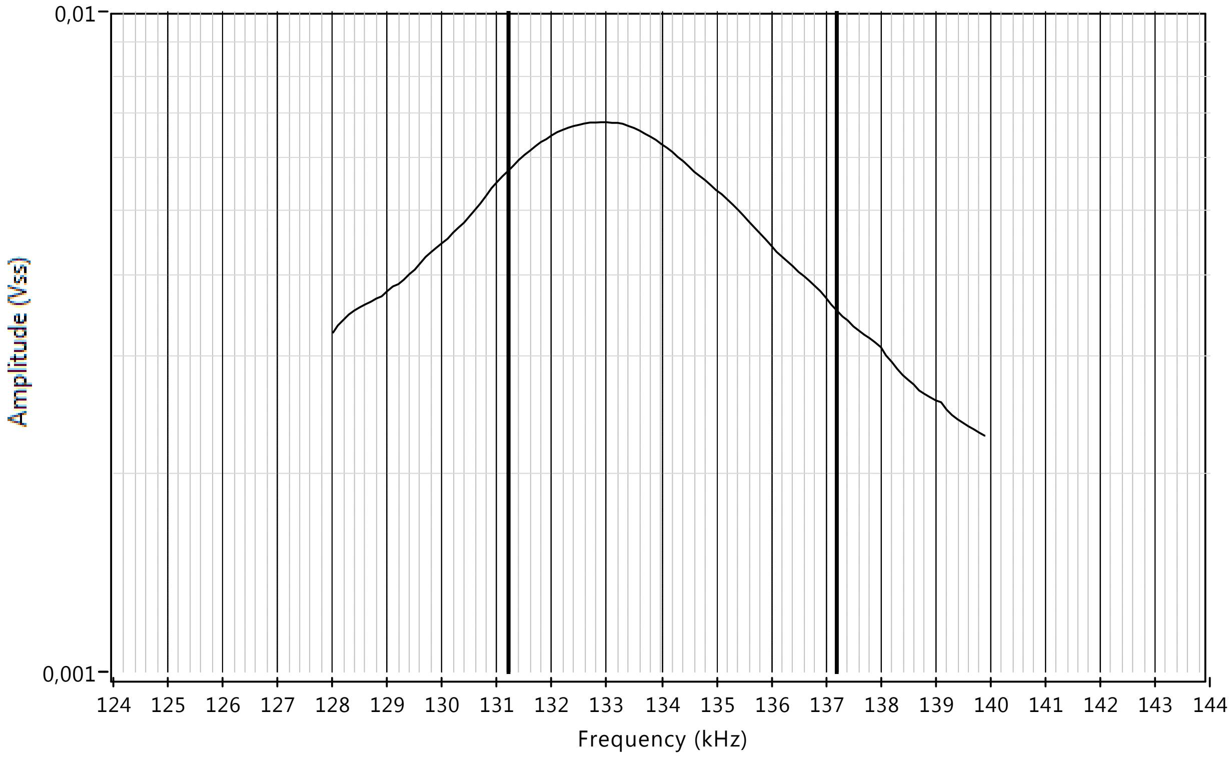
type Xiangyuxing injectable no. 45

test start	test end	DLG-test-no.
18.07.2019, 16:32	18.07.2019, 16:33	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,37

resonance frequency ☒ in limit resonance frequency 132,9 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,23	138,16



date 18.07.2019 tester: Gäckler

signature

Resonance | # Test-Protocol

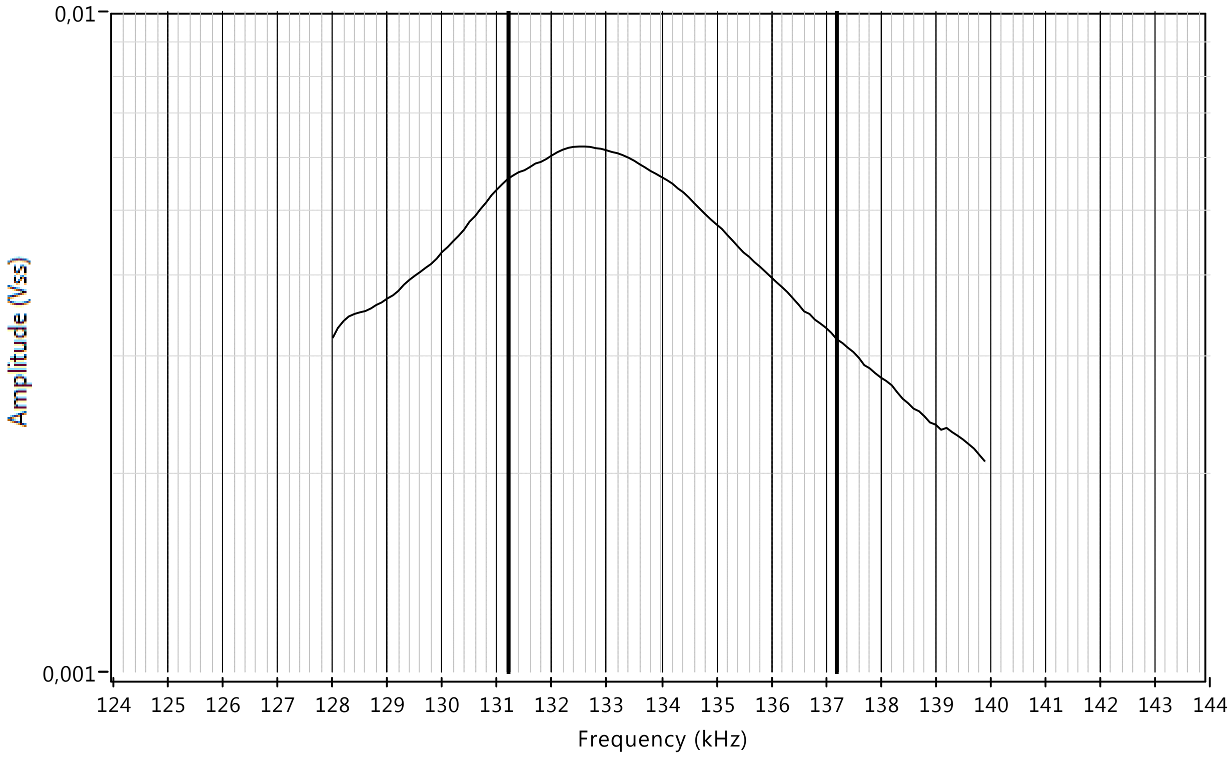
type Xiangyuxing injectable no. 46

test start	test end	DLG-test-no.
18.07.2019, 16:34	18.07.2019, 16:34	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,42

resonance frequency ☒ in limit resonance frequency 132,6 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,26	138,12



date 18.07.2019 tester: Gäckler

signature

Resonance

Test-Protocol

TestService

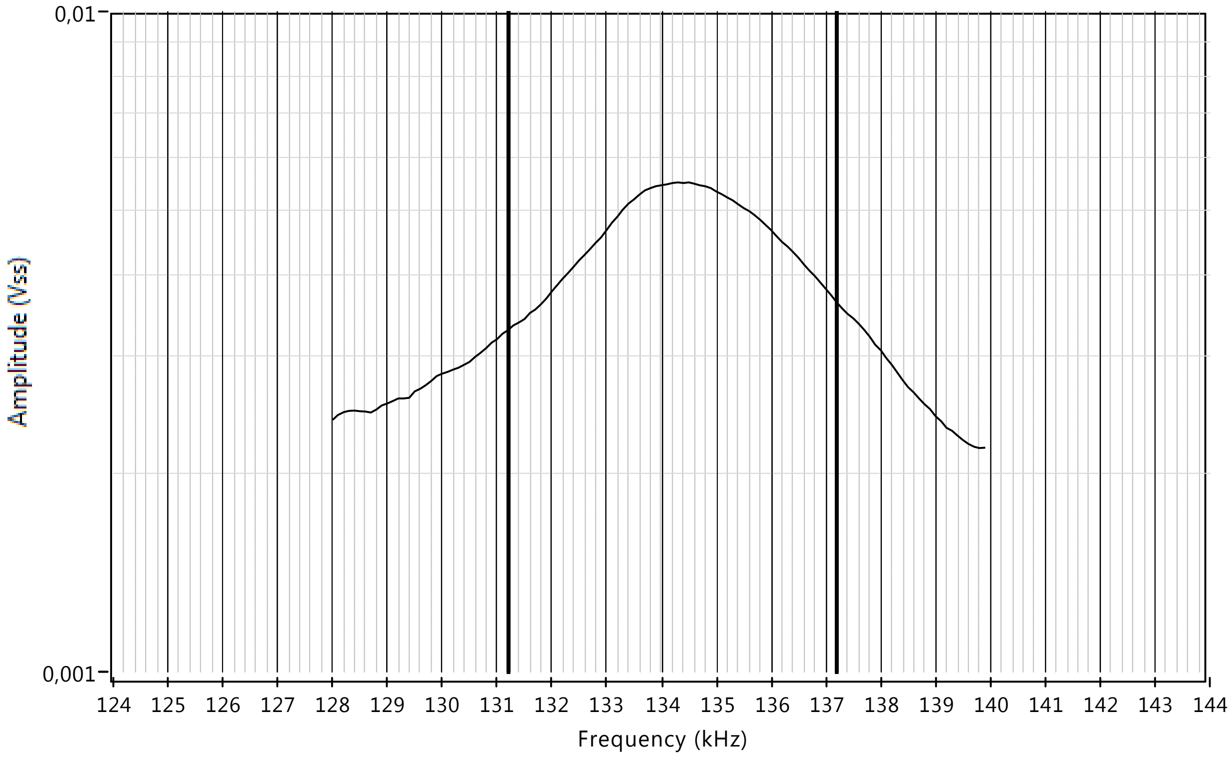
type Xiangyuxing injectable no. 47

test start	test end	DLG-test-no.
18.07.2019, 16:35	18.07.2019, 16:36	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,32

resonance frequency ☒ in limit   resonance frequency 134,3   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
130,15	138,03



date 18.07.2019   tester: Gäckler

signature

Resonance **Test-Protocol**

TestService

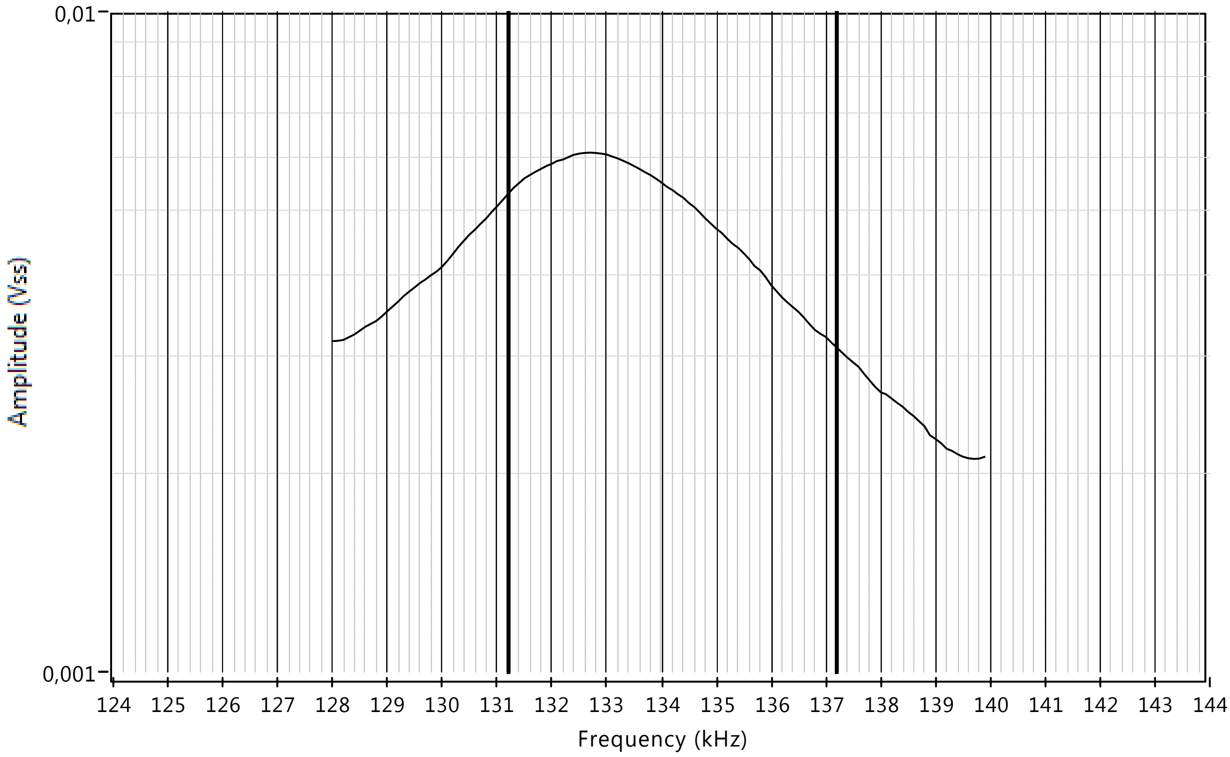
type Xiangyuxing injectable no. 48

test start	test end	DLG-test-no.
18.07.2019, 16:37	18.07.2019, 16:38	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,42

resonance frequency ☒ in limit resonance frequency 132,7 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
130,26	138,40



date 18.07.2019 tester: Gäckler

signature

Resonance

Test-Protocol

TestService

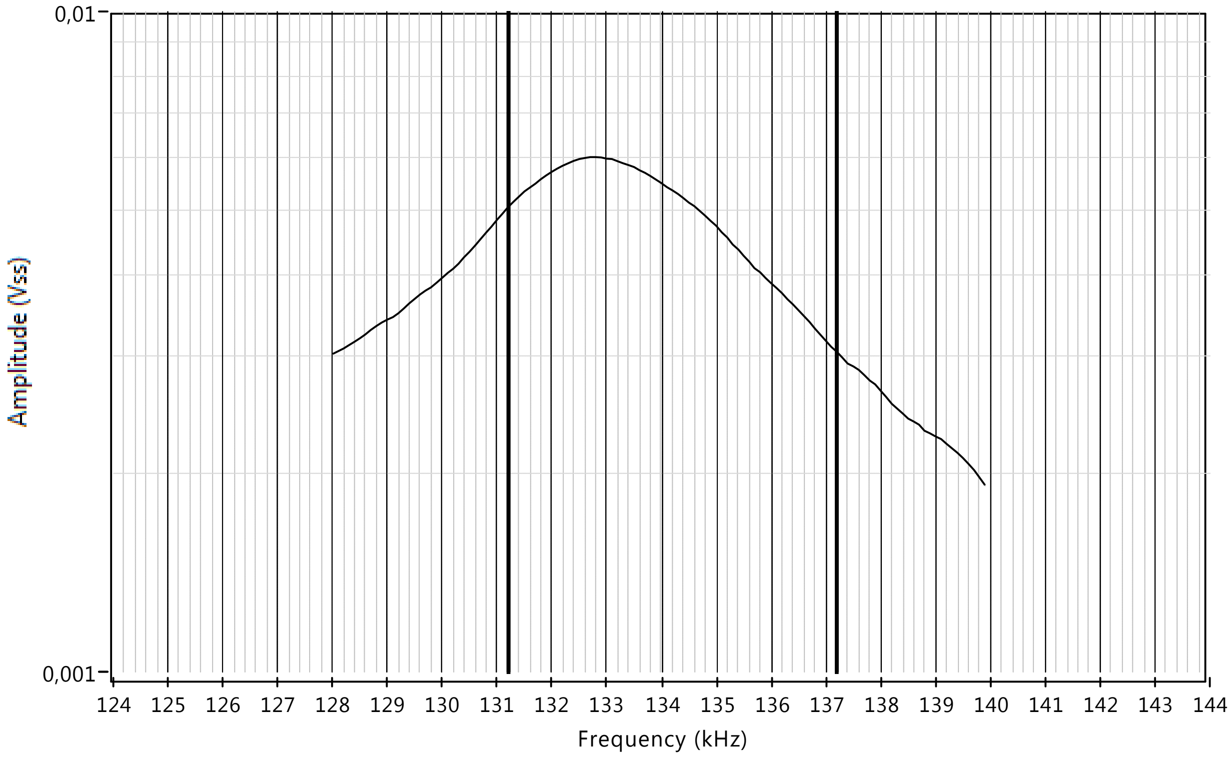
type Xiangyuxing injectable no. 49

test start	test end	DLG-test-no.
18.07.2019, 16:40	18.07.2019, 16:40	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,41

resonance frequency ☒ in limit resonance frequency 132,7 low.limit 131,2 up.limit 137,2 kHz

sideband low (kHz)	sideband high (kHz)
129,95	138,45



date 18.07.2019 tester: Gäckler

signature

Resonance | # Test-Protocol

TestService

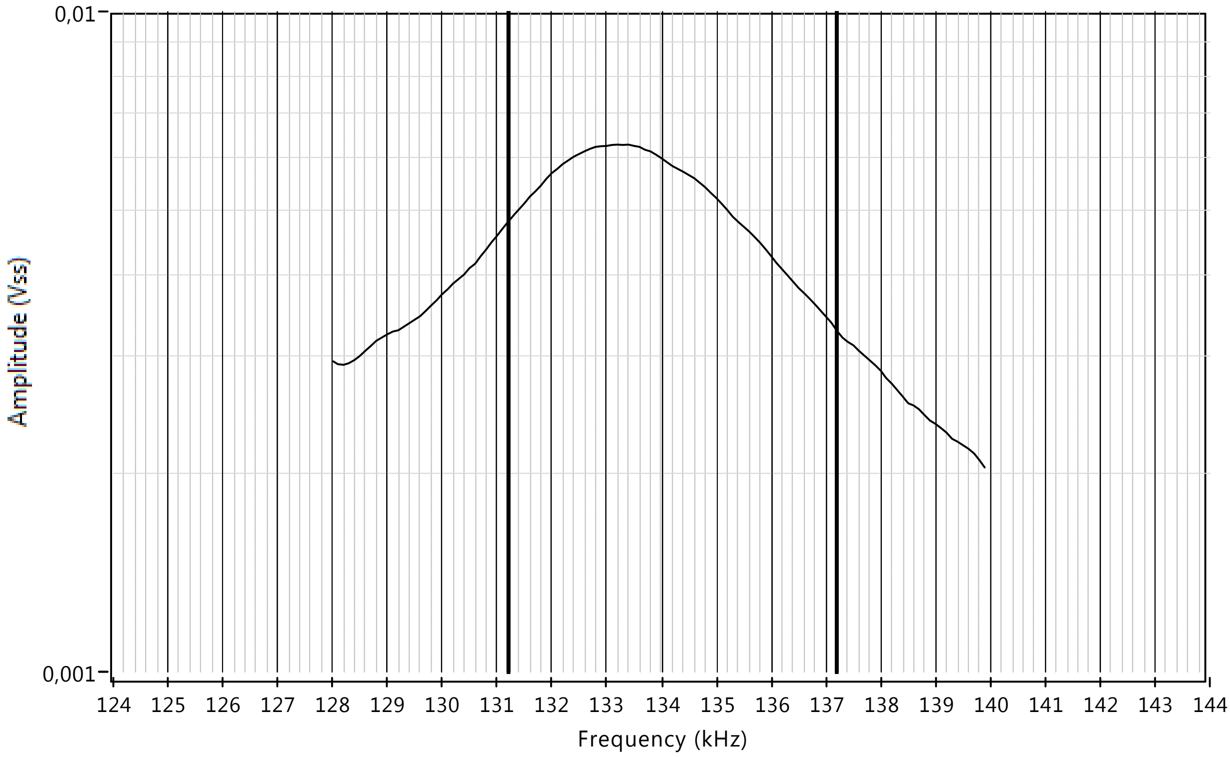
type Xiangyuxing injectable no. 50

test start	test end	DLG-test-no.
18.07.2019, 16:42	18.07.2019, 16:43	**19-462**

temperature (°C)	humidity (%)	frequency (kHz)	Amplitude (Vss)
22.0	55	134,2	0,34

resonance frequency ☒ in limit   resonance frequency 133,2   low.limit 131,2   up.limit 137,2   kHz

sideband low (kHz)	sideband high (kHz)
130,22	138,37



date 18.07.2019   tester: Gäckler

signature

ANNEX 2:

Protocols of conformance test

Tag-Conformance (FDX) | **Test-Protocol** | TestService

type Xiangyuxing injectable no. 1

test start	test end	DLG-test-no.
17.07.2019, 16:21	17.07.2019, 16:21	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

		hex	dezimal
Animalbit	■	1	1
Retagcnt	□□□	0	0
User Info	□□□□□	0	0
Reserve	□□□□□□	0	0
Data Block Flag	□	0	0
Country Code	■■■□□■■■■■□□□□□□□□□□ (1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0)	3E7	999
ID Code	□□□■□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□	8	000000000008
CRC	■■■□□□■□□■□□□□□■□□	8247	000000033351
CRC calc	■■■□□□■□□■□□□□□■□□	8247	000000033351

Message complete (128 bit)

Stuffing bits
□□□□□□□□□□■□□□■□□□□■□□□□□□□□□■□□□
1

Stuffing bits
□□□□□■□□□□□□□□■□□□□□■■■■□□■■■■■
1 1 1

Stuffing bits
■□□□□□□□□■□□□□□□□■■■■■□□□■□■□■□
1 1 1 1

Stuffing bits
□□□■■□□□□□□□□■□□□□□□□□■□□□□□□□□□■
1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 2

test start	test end	DLG-test-no.
17.07.2019, 16:23	17.07.2019, 16:23	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	21	000000000033
CRC	98B4	000000039092
CRC calc	98B4	000000039092

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits
1

Stuffing bits
1 1 1

Stuffing bits
1 1 1 1

Stuffing bits
1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 3

DLG-test-no. 19-462

test start	test end
17.07.2019, 16:24	17.07.2019, 16:24

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	17	000000000023
CRC	688D	000000026765
CRC calc	688D	000000026765

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 4

test start	test end	DLG-test-no.
17.07.2019, 16:25	17.07.2019, 16:25	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	18	000000000024
CRC	D93F	000000055615
CRC calc	D93F	000000055615

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 5

test start	test end	DLG-test-no.
17.07.2019, 16:25	17.07.2019, 16:25	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09
CFN-Noise 2.0 A/m [mV] 0,73
CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	1E	000000000030
CRC	C48E	000000050318
CRC calc	C48E	000000050318

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 6

test start	test end	DLG-test-no.
17.07.2019, 16:26	17.07.2019, 16:26	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	2A	000000000042
CRC	3FD8	000000016344
CRC calc	3FD8	000000016344

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits
1

Stuffing bits
1 1 1

Stuffing bits
1 1 1 1

Stuffing bits
1 1 1 1

date 17.07.2019

tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 7

test start	test end	DLG-test-no.
17.07.2019, 16:27	17.07.2019, 16:27	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	F	000000000015
CRC	1E49	000000007753
CRC calc	1E49	000000007753

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol** TestService

type	Xiangyuxing injectable no. 8		DLG-test-no.
test start	test end		19-462
17.07.2019, 16:27	17.07.2019, 16:27		

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m		
21.7	55	134,2	6,00	CFN-Noise 0.2 A/m [mV]	0,09
				CFN-Noise 2.0 A/m [mV]	0,73
				CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	7	000000000007
CRC	33F5	000000013301
CRC calc	33F5	000000013301

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits
1

Stuffing bits
1 1 1

Stuffing bits
1 1 1 1

Stuffing bits
1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 9

test start 17.07.2019, 16:28

test end 17.07.2019, 16:28

DLG-test-no. 19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	12	000000000018
CRC	FFEC	000000065516
CRC calc	FFEC	000000065516

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

DLG TestService

type Xiangyuxing injectable no. 10

test start	test end	DLG-test-no.
17.07.2019, 16:29	17.07.2019, 16:29	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	x 1	d 1
Retagcnt	x 0	d 0
User Info	x 0	d 0
Reserve	x 0	d 0
Data Block Flag	x 0	d 0
Country Code	x 3E7	d 999
ID Code	x 22	d 000000000034
CRC	x 1264	d 000000004708
CRC calc	x 1264	d 000000004708

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 11

test start	test end	DLG-test-no.
17.07.2019, 16:30	17.07.2019, 16:30	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	x 1	d 1
Retagcnt	x 0	d 0
User Info	x 0	d 0
Reserve	x 0	d 0
Data Block Flag	x 0	d 0
Country Code	x 3E7	d 999
ID Code	x 1A	d 000000000026
CRC	x D250	d 000000053840
CRC calc	x D250	d 000000053840

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 12

test start	test end	DLG-test-no.
17.07.2019, 16:30	17.07.2019, 16:30	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	11	000000000017
CRC	753C	000000030012
CRC calc	753C	000000030012

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 13

test start	test end	DLG-test-no.
17.07.2019, 16:36	17.07.2019, 16:36	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	13	000000000019
CRC	7E53	000000032339
CRC calc	7E53	000000032339

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX)

Test-Protocol

TestService

type Xiangyuxing injectable no. 14

test start 17.07.2019, 16:37

test end 17.07.2019, 16:37

DLG-test-no. 19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09

CFN-Noise 2.0 A/m [mV] 0,73

CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	2	000000000002
CRC	A494	000000042132
CRC calc	A494	000000042132

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 15

test start	test end	DLG-test-no.
17.07.2019, 16:38	17.07.2019, 16:38	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	E	000000000014
CRC	9FF6	000000040950
CRC calc	9FF6	000000040950

Country Code bit positions: 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX)

Test-Protocol

TestService

type Xiangyuxing injectable no. 16

test start	test end	DLG-test-no.
17.07.2019, 16:38	17.07.2019, 16:38	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	1F	000000000031
CRC	4531	000000017713
CRC calc	4531	000000017713

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 17

test start	test end	DLG-test-no.
17.07.2019, 16:39	17.07.2019, 16:39	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	1C	000000000028
CRC	CFE1	000000053217
CRC calc	CFE1	000000053217

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 18

test start	test end	DLG-test-no.
17.07.2019, 16:40	17.07.2019, 16:40	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	3	000000000003
CRC	252B	000000009515
CRC calc	252B	000000009515

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits
1

Stuffing bits
1 1 1

Stuffing bits
1 1 1 1

Stuffing bits
1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 19

test start	test end	DLG-test-no.
17.07.2019, 16:40	17.07.2019, 16:41	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	15	000000000021
CRC	63E2	000000025570
CRC calc	63E2	000000025570

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 20

test start 17.07.2019, 16:41

test end 17.07.2019, 16:41

DLG-test-no. 19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	2B	000000000043
CRC	BE67	000000048743
CRC calc	BE67	000000048743

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX)

Test-Protocol

DLG TestService

type Xiangyuxing injectable no. 21

test start	test end	DLG-test-no.
17.07.2019, 16:42	17.07.2019, 16:42	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	23	000000000035
CRC	93DB	000000037851
CRC calc	93DB	000000037851

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 22

test start	test end	DLG-test-no.
17.07.2019, 16:42	17.07.2019, 16:42	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09
CFN-Noise 2.0 A/m [mV] 0,73
CFN-Noise 20 A/m [mV] 7,83

		hex	dezimal
Animalbit	■	1	1
Retagcnt	□□□	0	0
User Info	□□□□□	0	0
Reserve	□□□□□□	0	0
Data Block Flag	□	0	0
Country Code	■■■□□■■■■■□□□□□□□□□□	3E7	999
	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0		
ID Code	■■■□□■□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□	27	000000000039
CRC	■□■□□□□□■□■□□□□■□□	8505	000000034053
CRC calc	■□■□□□□□■□■□□□□■□□	8505	000000034053

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX)

Test-Protocol

TestService

type Xiangyuxing injectable no. 23

test start	test end	DLG-test-no.
17.07.2019, 16:43	17.07.2019, 16:43	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	19	000000000025
CRC	5880	000000022656
CRC calc	5880	000000022656

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 24

test start test end

17.07.2019, 16:44 17.07.2019, 16:44

DLG-test-no.

19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	1B	000000000027
CRC	53EF	000000021487
CRC calc	53EF	000000021487

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX)

Test-Protocol

TestService

type Xiangyuxing injectable no. 25

test start	test end	DLG-test-no.
17.07.2019, 16:44	17.07.2019, 16:44	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	2D	000000000045
CRC	A3D6	000000041942
CRC calc	A3D6	000000041942

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 26

test start	test end	DLG-test-no.
17.07.2019, 16:45	17.07.2019, 16:45	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	9	000000000009
CRC	3F8	000000001016
CRC calc	3F8	000000001016

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX)

Test-Protocol

TestService

type Xiangyuxing injectable no. 27

test start	test end	DLG-test-no.
17.07.2019, 16:47	17.07.2019, 16:47	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	24	000000000036
CRC	FD5	000000004053
CRC calc	FD5	000000004053

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits
1

Stuffing bits
1 1 1

Stuffing bits
1 1 1 1

Stuffing bits
1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 28

test start	test end	DLG-test-no.
17.07.2019, 16:48	17.07.2019, 16:48	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	x 1	d 1
Retagcnt	x 0	d 0
User Info	x 0	d 0
Reserve	x 0	d 0
Data Block Flag	x 0	d 0
Country Code	x 3E7	d 999
ID Code	x 2E	d 000000000046
CRC	x 2906	d 000000010502
CRC calc	x 2906	d 000000010502

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

DLG TestService

type Xiangyuxing injectable no. 29

test start	test end	DLG-test-no.
17.07.2019, 16:48	17.07.2019, 16:48	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	14	000000000020
CRC	E25D	000000057949
CRC calc	E25D	000000057949

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 30

test start	test end	DLG-test-no.
17.07.2019, 16:49	17.07.2019, 16:49	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	6	000000000006
CRC	B24A	000000045642
CRC calc	B24A	000000045642

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits
1

Stuffing bits
1 1 1

Stuffing bits
1 1 1 1

Stuffing bits
1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 31

test start 17.07.2019, 16:50

test end 17.07.2019, 16:50

DLG-test-no. 19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09
CFN-Noise 2.0 A/m [mV] 0,73
CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	2F	000000000047
CRC	A8B9	000000043193
CRC calc	A8B9	000000043193

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 32

test start test end

17.07.2019, 16:50 17.07.2019, 16:50

DLG-test-no.

19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	28	000000000040
CRC	34B7	000000013495
CRC calc	34B7	000000013495

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits

1

Stuffing bits

1 1 1

Stuffing bits

1 1 1 1

Stuffing bits

1 1 1 1

date 17.07.2019

tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol** TestService

type Xiangyuxing injectable no. 33

test start 17.07.2019, 16:53

test end 17.07.2019, 16:53

DLG-test-no. 19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09
CFN-Noise 2.0 A/m [mV] 0,73
CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	B	000000000011
CRC	897	000000002199
CRC calc	897	000000002199

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

DLG TestService

type Xiangyuxing injectable no. 34

test start	test end	DLG-test-no.
17.07.2019, 16:53	17.07.2019, 16:53	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

		hex	dezimal
Animalbit	■	1	1
Retagcnt	□□□	0	0
User Info	□□□□□	0	0
Reserve	□□□□□□	0	0
Data Block Flag	□	0	0
Country Code	■■■□□■■■■■□□□□□□□□□□ (1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0)	3E7	999
ID Code	■□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□	1	000000000001
CRC	□□■□□□■□□■■■□□■□□□	2E44	000000011844
CRC calc	□□■□□□■□□■■■□□■□□□	2E44	000000011844

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 35

test start	test end	DLG-test-no.
17.07.2019, 16:54	17.07.2019, 16:54	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	x 1	d 1
Retagcnt	x 0	d 0
User Info	x 0	d 0
Reserve	x 0	d 0
Data Block Flag	x 0	d 0
Country Code	x 3E7	d 999
ID Code	x 32	d 000000000050
CRC	x 491C	d 000000018716
CRC calc	x 491C	d 000000018716

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 36

test start test end

17.07.2019, 16:54 17.07.2019, 16:54

DLG-test-no.

19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	4	000000000004
CRC	B925	000000047397
CRC calc	B925	000000047397

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits
1

Stuffing bits
1 1 1

Stuffing bits
1 1 1 1

Stuffing bits
1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 37

test start	test end	DLG-test-no.
17.07.2019, 16:55	17.07.2019, 16:55	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09
CFN-Noise 2.0 A/m [mV] 0,73
CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	1D	000000000029
CRC	4E5E	000000020062
CRC calc	4E5E	000000020062

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 38

test start	test end	DLG-test-no.
17.07.2019, 16:56	17.07.2019, 16:56	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09
CFN-Noise 2.0 A/m [mV] 0,73
CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	x 1	d 1
Retagcnt	x 0	d 0
User Info	x 0	d 0
Reserve	x 0	d 0
Data Block Flag	x 0	d 0
Country Code	x 3E7	d 999
ID Code	x 25	d 000000000037
CRC	x 8E6A	d 000000036458
CRC calc	x 8E6A	d 000000036458

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

DLG TestService

type Xiangyuxing injectable no. 39

test start	test end	DLG-test-no.
17.07.2019, 16:56	17.07.2019, 16:56	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09
CFN-Noise 2.0 A/m [mV] 0,73
CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	10	000000000016
CRC	F483	000000062595
CRC calc	F483	000000062595

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 40

test start 17.07.2019, 16:57

test end 17.07.2019, 16:57

DLG-test-no. 19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09

CFN-Noise 2.0 A/m [mV] 0,73

CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	D	000000000013
CRC	1526	000000005414
CRC calc	1526	000000005414

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 41

test start	test end	DLG-test-no.
17.07.2019, 16:58	17.07.2019, 16:58	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	C	000000000012
CRC	9499	000000038041
CRC calc	9499	000000038041

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 42

test start	test end	DLG-test-no.
17.07.2019, 16:58	17.07.2019, 16:58	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	26	000000000038
CRC	4BA	000000001210
CRC calc	4BA	000000001210

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

DLG TestService

type Xiangyuxing injectable no. 43

test start	test end	DLG-test-no.
17.07.2019, 16:59	17.07.2019, 16:59	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	A	000000000010
CRC	8928	000000035112
CRC calc	8928	000000035112

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 44

test start	test end	DLG-test-no.
17.07.2019, 16:59	17.07.2019, 16:59	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09
CFN-Noise 2.0 A/m [mV] 0,73
CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	20	000000000032
CRC	190B	000000006411
CRC calc	190B	000000006411

Country Code bit positions: 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

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Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 45

test start test end

17.07.2019, 17:00 17.07.2019, 17:00

DLG-test-no.

19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09

CFN-Noise 2.0 A/m [mV] 0,73

CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	5	000000000005
CRC	389A	000000014490
CRC calc	389A	000000014490

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 46

test start	test end	DLG-test-no.
17.07.2019, 17:00	17.07.2019, 17:00	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09
CFN-Noise 2.0 A/m [mV] 0,73
CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	16	000000000022
CRC	E932	000000059698
CRC calc	E932	000000059698

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol**

TestService

type Xiangyuxing injectable no. 47

test start	test end	DLG-test-no.
17.07.2019, 17:01	17.07.2019, 17:01	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	29	000000000041
CRC	B508	000000046344
CRC calc	B508	000000046344

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX)

Test-Protocol

TestService

type Xiangyuxing injectable no. 48

test start	test end	DLG-test-no.
17.07.2019, 17:02	17.07.2019, 17:02	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	31	000000000049
CRC	C3CC	000000050124
CRC calc	C3CC	000000050124

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019

tester: Gäckler

signature

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Tag-Conformance (FDX)

Test-Protocol

DLG TestService

type Xiangyuxing injectable no. 49

test start	test end	DLG-test-no.
17.07.2019, 17:02	17.07.2019, 17:02	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV] 0,09
CFN-Noise 2.0 A/m [mV] 0,73
CFN-Noise 20 A/m [mV] 7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	2C	000000000044
CRC	2269	000000008809
CRC calc	2269	000000008809

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature

Tag-Conformance (FDX) **Test-Protocol** TestService

type Xiangyuxing injectable no. 50

test start	test end	DLG-test-no.
17.07.2019, 17:03	17.07.2019, 17:03	19-462

temperature (°C)	humidity (%)	frequency (kHz)	FN.Field A/m
21.7	55	134,2	6,00

CFN-Noise 0.2 A/m [mV]	0,09
CFN-Noise 2.0 A/m [mV]	0,73
CFN-Noise 20 A/m [mV]	7,83

	hex	dezimal
Animalbit	1	1
Retagcnt	0	0
User Info	0	0
Reserve	0	0
Data Block Flag	0	0
Country Code	3E7	999
ID Code	30	000000000048
CRC	4273	000000017011
CRC calc	4273	000000017011

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0

Message complete (128 bit)

Stuffing bits 1

Stuffing bits 1 1 1

Stuffing bits 1 1 1 1

Stuffing bits 1 1 1 1

date 17.07.2019 tester: Gäckler

signature