

# Lew Electric Fittings Company RF TEST REPORT

**Report Type:** FCC Part 15C RF report

**Model:** PUR/xx/xxxx/BTQWC-xxxx, PUR/xx/xxxx/BTQD-xxxx

**REPORT NUMBER:** 240800131SHA-002

**ISSUE DATE:** November 1, 2024

DOCUMENT CONTROL NUMBER: TTRFFCCPART15C\_V1 © 2018 Intertek





#### **TEST REPORT**

Telephone: 86 21 6127 8200 www.intertek.com Report no.: 240800131SHA-002

Applicant:	Lew Electric Fittings Company
	1626 Tobacco Rd, Augusta, GA 30906
Manufacturer:	Zhejiang Sino Electro-Technical Co.,Ltd.
	A5 Building, Sulv Industrial Zone,Yueqing City, Zhejiang Province 325604
Manufacturer Site:	Zhejiang Sino Electro-Technical Co.,Ltd.
	A5 Building, Sulv Industrial Zone,Yueqing City, Zhejiang Province 325604
Product Name:	Furniture Power Distribution Units, Attachment Plugs and Receptacles
Type/Model:	PUR/xx/xxxx/BTQWC-xxxx, PUR/xx/xxxx/BTQD-xxxx
FCC ID:	2A7NLPURBTQWC

#### SUMMARY:

The equipment complies with the requirements according to the following standard(s) or Specification:

47CFR Part 15 (2023): Radio Frequency Devices (Subpart C)

**ANSI C63.10 (2020):** American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

PREPARED BY:

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**REVIEWED BY:** 

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## **Revision History**

Report No.	Version	Description	Issued Date
240800131SHA-002	Rev. 01	Initial issue of report	November 1, 2024



## **Measurement result summary**

TEST ITEM	FCC REFERANCE	RESULT	
Radiated emissions	15.209	Pass	
Conducted emissions	15.207	Pass	

Notes: 1: NA =Not Applicable

2: Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

3: Additions, Deviations and Exclusions from Standards: None.

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## **1 GENERAL INFORMATION**

## **1.1** Description of Equipment Under Test (EUT)

Product name:	Furniture Power Distribution Units, Attachment Plugs and Receptacles	
	PUR/xx/xxxx/BTQWC-xxxx, PUR/xx/xxxx/BTQD-xxxx	
	"xx": denotes the current specification of receptacles, can be	
	15=15amp, 20=20amp	
	"xxxx" denotes installed with different type receptacles, can be	
	G=with	
	a GFCI, DS=with a decora receptacle, AC=with an A/C receptacle,	
	GAC=with a GFCI and an A/C receptacle, AC2P= with two A/C	
	receptacles, no code=without receptacles	
	"xxxx": denotes different kind of tops, can be	
	B=Brass top; SS=Stainless steel top; BK= Black painting top;	
	WT= White painting top;DB= Dark bronze painting top;	
	OW = Off white painting top; AWT= White painting top and white	
	housing; NS= Nickel silver top; BS= Black stainless top;	
	SN= Stain-nickel top; G=Graphite top; CB=Champagne Bronze top;	
	RBK=Black PC top; RWT=Whtie pc top; RSS=Silver PC top;	
	ROW= Off white PC top; RDB=Dark bronze pc top; RBR=Brass colored	
	pc top; RAWT=White PC top base and white housing	
Type/Model:	(XXXX can be 1 character, 2 characters, 3 characters or 4 characters)	
	The EUT is a Furniture Power Distribution Units, Attachment Plugs and	
	Receptacles which supports Bluetooth and Wireless charging function.	
	The difference between the models is the AC Power line, and their	
	circuitry is the same exactly. The model PUR/xx/xxxx/BTQWC-xxxx was	
Description of EUT:	chosen to test.	
Rating:	125V 15A for 15A receptacle 125V/120V 20A for 20A receptacle	
Category of EUT:	Class B	
EUT type:	Table top 🔲 Floor standing	
Software Version:	V1.0	
Hardware Version:	V1.0	
Sample received date:	January 15, 2024	
Date of test:	January 15, 2024 ~ March 5, 2024	

## **1.2 Technical Specification**

Frequency Range:	111kHz – 205kHz
Modulation:	FSK
Antenna:	Coil antenna



## **1.3 Description of Test Facility**

Name:	Intertek Testing Services (Shanghai FTZ) Co., Ltd.
Address:	Building 86, No. 1198 Qinzhou Road (North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is	CNAS Accreditation Lab
recognized,	Registration No. CNAS L21189
certified, or accredited by these	FCC Accredited Lab
organizations:	
	IC Registration Lab
	CAB identifier.: CN0014
	VCCI Registration Lab
	Registration No.: R-14243, G-10845, C-14723, T-12252
	A2LA Accreditation Lab
	Certificate Number: 3309.02

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## **2 TEST SPECIFICATIONS**

#### 2.1 Standards or specification

47CFR Part 15 (2023) ANSI C63.10 (2020)

#### 2.2 Mode of operation during the test

Within this test report, EUT was tested under all available operation modes and tested under its rating voltage and frequency. Other voltage and frequency are specified if used.

#### 2.3 Test software list

Test Items	Software	Manufacturer	Version
Conducted emission	ESxS-K1	R&S	V2.1.0
Radiated emission	ES-K1	R&S	V1.71

#### 2.4 Test peripherals list

Item No.	Name	Brand and Model	Description
1	Wireless load	Iphone X	100% power level
2	Wireless load	Iphone X	50% power level
3	Wireless load	Iphone X	0% power level

#### 2.5 Test environment condition:

Test items	Temperature	Humidity
Radiated emission	25°C	54% RH
Power line conducted emission	24°C	54% RH

## 2.6 Instrument list

Conducted Emission					
Used	Equipment	Manufacturer	Туре	Internal no.	Due date
	Test Receiver	R&S	ESR7	EC 6194	2025-02-27
۲	A.M.N.	R&S	ESH2-Z5	EC 3119	2024-11-19
	A.M.N.	R&S	ENV4200	EC 3558	2024-06-05
۲	Attenuator	Huaxiang	Ts5-10db-6g	EC 6194-1	2024-12-07
V	Shielded room	Zhongyu	-	EC 2838	2025-01-11
Radiate	ed Emission				
Used	Equipment	Manufacturer	Туре	Internal no.	Due date
K	Test Receiver	R&S	ESIB 26	EC 3045	2025-08-18
۲	Test Receiver	R&S	ESR	EC6501	2024-09-24
<	Bilog Antenna	TESEQ	CBL 6112B	EC 6411	2024-09-12
	Horn antenna	Tonscend	bha9120d	EC 6432-2	2025-03-20
	Pre-amplifier	Tonscend	tap01018050	EC 6432-1	2024-12-07
	Horn antenna	ETS	3117	EC 4792-1	2024-12-07
	Horn antenna	ΤΟΥΟ	HAP18-26W	EC 4792-3	2026-09-12
V	Active loop antenna	Schwarzbeck	FMZB1519	EC 5345	2025-08-10
	Semi-anechoic chamber	Albatross project	-	EC 3048	2026-07-11
Additional instrument					
Used	Equipment	Manufacturer	Туре	Internal no.	Due date
V	Therom- Hygrograph	Testo	175h1	EC 6640	2025-08-29
<	Pressure meter	YM3	Shanghai Mengde	EC 3320	2025-08-16

## 2.7 Measurement uncertainty

The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Frequency	Expanded Uncertainty (k=2)	
Conducted emission at mains ports	9kHz ~ 150kHz	3.52 dB	
Conducted emission at mains ports	150kHz ~ 30MHz	3.19 dB	
Radiated Emissions up to 1 GHz	30MHz ~ 1GHz	4.90 dB	
Dadiated Emissions above 1 CUz	1GHz ~ 6GHz	5.02 dB	
Radiated Emissions above 1 GHz	6GHz ~ 18GHz	5.28 dB	

**TEST REPORT** 

## **3** Radiated emissions

Test result: Pass

#### 3.1 Limit

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88~216	150	3
216 ~ 960	200	3
Above 960	500	3

#### **3.2** Measurement Procedure

#### For Radiated emission below 30MHz:

- a) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c) Both X and Y axes of the antenna are set to make the measurement.
- d) For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e) The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

#### NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

#### For Radiated emission above 30MHz:

- a) The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meters chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c) The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are

#### **TEST REPORT**

set to make the measurement.

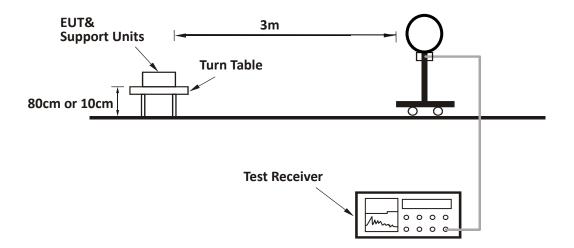
- d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e) The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f) The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

#### Note:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
- 3. All modes of operation were evaluated and the worst-case emissions were reported

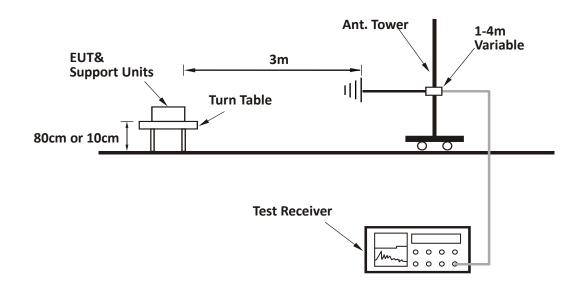
#### 3.3 Test Configuration

For Radiated emission below 30MHz:

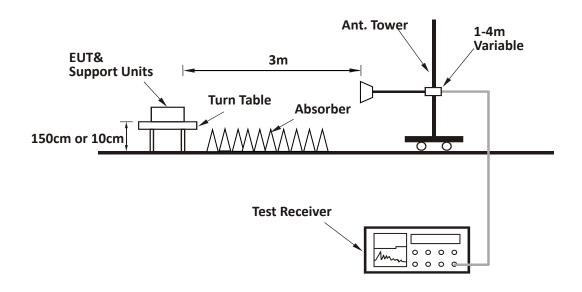




#### For Radiated emission 30MHz to 1GHz:



For Radiated emission above 1GHz:



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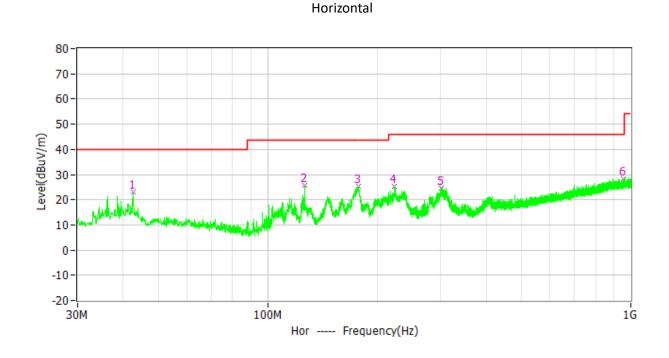
#### 3.4 Test Results of Radiated Emissions

EUT was tested with empty load, half load and full load, the full load is the worst case and we listed the results in the report.

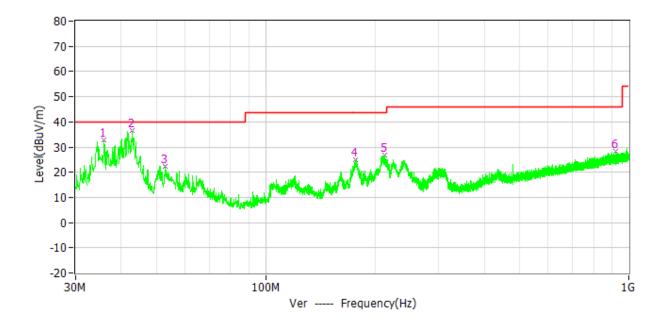
Antenna Polarization	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m	Margin	Detector	Remark
Х	0.1282	79.4	19.0	105.4	26.0	РК	Fundamental
Х	0.2580	55.1	18.9	99.4	44.3	РК	Spurious
Х	0.4920	54.8	18.9	73.8	19.0	РК	Spurious
Х	0.6090	52.3	18.9	71.9	19.6	РК	Spurious
Х	0.8115	46.3	18.9	69.4	23.2	РК	Spurious
Х	7.152	41.2	19.1	69.5	28.3	РК	Spurious
Х	10.383	31.7	19.2	69.5	37.8	РК	Spurious
Y	0.1283	75.2	19.0	105.4	30.2	РК	Fundamental
Y	0.0099	68.7	20.3	127.7	59.0	РК	Spurious
Y	0.2580	60.7	18.9	99.4	38.7	РК	Spurious
Y	0.5190	54.1	18.9	73.3	19.2	РК	Spurious
Y	0.6045	51.8	18.9	72.0	20.2	РК	Spurious
Y	0.7755	49.1	18.9	69.8	20.7	РК	Spurious
Y	7.053	40.8	19.1	69.5	28.7	РК	Spurious
Z	0.1286	69.2	19.0	105.4	36.2	РК	Fundamental
Z	0.1950	51.7	19.0	101.8	50.1	РК	Spurious
Z	0.5010	54.1	18.9	73.6	19.5	РК	Spurious
Z	0.6180	52.5	18.9	71.8	19.3	РК	Spurious
Z	0.7755	46.6	18.9	69.8	23.2	РК	Spurious
Z	7.152	40.6	19.1	69.5	28.9	РК	Spurious
Z	10.689	36.2	19.2	69.5	33.3	РК	Spurious

#### Test data below 30MHz:

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#### Vertical



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#### Test data from 30MHz to 1000MHz:

Antenna Polarization	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin	Detector
Н	42.707	23.2	14.1	40.0	16.8	QP
н	126.321	25.6	12.9	43.5	17.9	QP
Н	177.537	25.4	13.5	43.5	18.1	QP
Н	223.903	25.2	12.5	46.0	20.8	QP
н	301.503	24.7	15.5	46.0	21.3	QP
н	955.671	28.2	27.6	46.0	17.8	QP
V	35.917	32.9	13.2	40.0	7.1	QP
V	42.998	36.7	14.1	40.0	3.3	QP
V	52.989	22.5	14.3	40.0	17.5	QP
V	176.664	24.8	13.5	43.5	18.7	QP
V	212.651	26.7	12.0	43.5	16.8	QP
V	920.557	28.2	27.3	46.0	17.8	QP

Remark: 1. Correct Factor = Antenna Factor + Cable Loss (+ Amplifier, for higher than 1GHz), the value was added to Original Receiver Reading by the software automatically.

- 2. Corrected Reading = Original Receiver Reading + Correct Factor
- 3. Margin = Limit Corrected Reading
- 4. If the PK Corrected Reading is lower than AV limit, the AV test can be elided.

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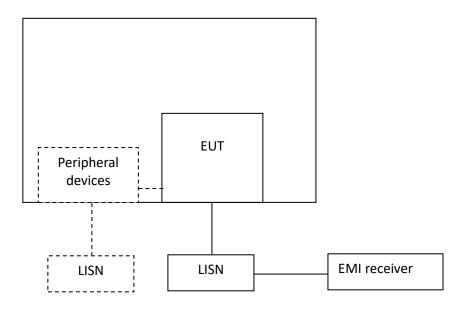
## 4 Conducted emissions

Test result: PASS

#### 4.1 Limit

Francisco of Emission (MUL-)	Conducted Emissions Limit (dBuV)				
Frequency of Emission (MHz)	QP	AV			
0.15-0.5	66 to 56*	56 to 46 *			
0.5-5	56	46			
5-30 60 50					
* Decreases with the logarithm of the frequency.					

## 4.2 Test Configuration





#### 4.3 Measurement Procedure

Measured levels of ac power-line conducted emission shall be the emission voltages from the voltage probe, where permitted, or across the 50  $\Omega$  LISN port (to which the EUT is connected), where permitted, terminated into a 50  $\Omega$  measuring instrument. All emission voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord by the use of mating plugs and receptacles on the LISN, if used. Equipment shall be tested with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended by the manufacturer. For those measurements using a LISN, the 50  $\Omega$  measuring port is terminated by a measuring instrument having 50  $\Omega$  input impedance. All other ports are terminated in 50  $\Omega$  loads.

Tabletop devices shall be placed on a platform of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The vertical conducting plane or wall of an RF-shielded (screened) room shall be located 40 cm to the rear of the EUT. Floor-standing devices shall be placed either directly on the reference ground-plane or on insulating material as described in ANSI C63.4. All other surfaces of tabletop or floor-standing EUTs shall be at least 80 cm from any other grounded conducting surface, including the case or cases of one or more LISNs.

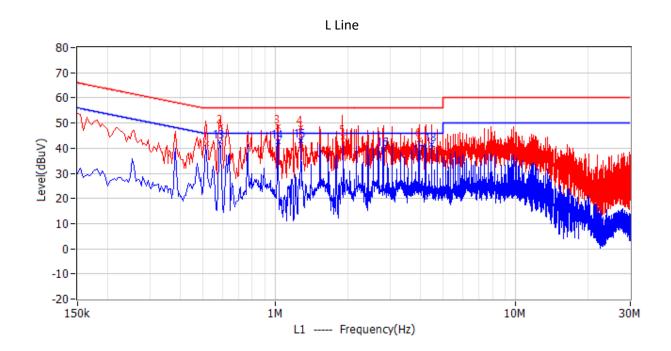
The bandwidth of the test receiver is set at 9 kHz.

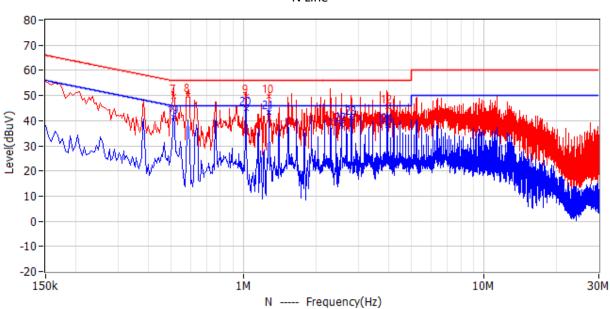
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#### 4.4 Test Results of Conducted Emissions

EUT was tested with empty load, half load and full load, the full load is the worst case and we listed the results in the report.

Test Curve:





N Line

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#### Test Data:

No.   Frequency   Limit dBuV   Level dBuV   Margin dB   Reading dBUV   Factor dBuV   Detector   Phase     1   514.500kHz   56.00   41.68   14.32   35.48   6.20   QP   L1     2   591.000kHz   56.00   48.41   7.59   42.21   6.20   QP   L1     3   1.023MHz   56.00   48.40   7.60   42.20   6.20   QP   L1     4   1.275MHz   56.00   48.49   7.61   41.83   6.20   QP   L1     5   1.914MHz   56.00   44.53   11.47   38.33   6.20   QP   L1     6   3.962MHz   56.00   49.78   6.22   43.58   6.20   QP   N     8   586.500kHz   56.00   49.77   6.23   43.57   6.20   QP   N     11   2.301MHz   56.00   39.16   16.84   32.96   6.20   QP   N     12   3.									
Image: Constraint of the second sec		Frequency	Limit	Level	Margin	Reading	Factor	Detector	Phase
2   591.000kHz   56.00   48.41   7.59   42.21   6.20   QP   L1     3   1.023MHz   56.00   48.40   7.60   42.20   6.20   QP   L1     4   1.275MHz   56.00   48.09   7.91   41.89   6.20   QP   L1     5   1.914MHz   56.00   44.53   11.47   38.33   6.20   QP   L1     6   3.962MHz   56.00   43.33   12.67   37.03   6.30   QP   L1     7   510.000kHz   56.00   49.78   6.22   43.58   6.20   QP   N     8   586.500kHz   56.00   49.77   6.23   43.57   6.20   QP   N     10   1.275MHz   56.00   49.52   6.48   43.32   6.20   QP   N     11   2.301MHz   56.00   45.42   10.58   39.12   6.30   QP   N     12   3.962MHz   46.00	NO.	rrequeitcy	dBuV	dBuV	dB	dBuV	dB		
3   1.023MHz   56.00   48.40   7.60   42.20   6.20   QP   L1     4   1.275MHz   56.00   48.09   7.91   41.89   6.20   QP   L1     5   1.914MHz   56.00   44.53   11.47   38.33   6.20   QP   L1     6   3.962MHz   56.00   43.33   12.67   37.03   6.30   QP   L1     7   510.000kHz   56.00   49.78   6.22   43.58   6.20   QP   N     8   586.500kHz   56.00   49.77   6.23   43.57   6.20   QP   N     9   1.023MHz   56.00   49.52   6.48   43.32   6.20   QP   N     10   1.275MHz   56.00   45.42   10.58   39.12   6.30   QP   N     12   3.962MHz   46.00   42.43   3.57   36.23   6.20   AV   L1     14   1.023MHz   46.00	1	514.500kHz	56.00	41.68	14.32	35.48	6.20	QP	L1
4 1.275MHz 56.00 48.09 7.91 41.89 6.20 QP L1   5 1.914MHz 56.00 44.53 11.47 38.33 6.20 QP L1   6 3.962MHz 56.00 43.33 12.67 37.03 6.30 QP L1   7 510.000kHz 56.00 49.78 6.22 43.58 6.20 QP N   8 586.500kHz 56.00 50.16 5.84 43.96 6.20 QP N   9 1.023MHz 56.00 49.77 6.23 43.57 6.20 QP N   10 1.275MHz 56.00 49.52 6.48 43.32 6.20 QP N   11 2.301MHz 56.00 39.16 16.84 32.96 6.20 QP N   12 3.962MHz 56.00 42.43 3.57 36.23 6.20 AV L1   14 1.023MHz 46.00 42.43 3.57 36.23 6.20 AV L1   15 1	2	591.000kHz	56.00	48.41	7.59	42.21	6.20	QP	L1
5   1.914MHz   56.00   44.53   11.47   38.33   6.20   QP   L1     6   3.962MHz   56.00   43.33   12.67   37.03   6.30   QP   L1     7   510.000kHz   56.00   49.78   6.22   43.58   6.20   QP   N     8   586.500kHz   56.00   49.77   6.23   43.57   6.20   QP   N     9   1.023MHz   56.00   49.77   6.23   43.57   6.20   QP   N     10   1.275MHz   56.00   49.52   6.48   43.32   6.20   QP   N     11   2.301MHz   56.00   39.16   16.84   32.96   6.20   QP   N     12   3.962MHz   56.00   42.43   3.57   36.23   6.20   AV   L1     14   1.023MHz   46.00   42.40   3.60   36.20   6.20   AV   L1     15   1.275MHz   46.00	3	1.023MHz	56.00	48.40	7.60	42.20	6.20	QP	L1
6   3.962MHz   56.00   43.33   12.67   37.03   6.30   QP   L1     7   510.000kHz   56.00   49.78   6.22   43.58   6.20   QP   N     8   586.500kHz   56.00   50.16   5.84   43.96   6.20   QP   N     9   1.023MHz   56.00   49.77   6.23   43.57   6.20   QP   N     10   1.275MHz   56.00   49.52   6.48   43.32   6.20   QP   N     11   2.301MHz   56.00   39.16   16.84   32.96   6.20   QP   N     12   3.962MHz   56.00   45.42   10.58   39.12   6.30   QP   N     13   586.500kHz   46.00   42.43   3.57   36.23   6.20   AV   L1     14   1.023MHz   46.00   42.74   3.26   36.54   6.20   AV   L1     15   1.275MHz   46.00	4	1.275MHz	56.00	48.09	7.91	41.89	6.20	QP	L1
7   510.000kHz   56.00   49.78   6.22   43.58   6.20   QP   N     8   586.500kHz   56.00   50.16   5.84   43.96   6.20   QP   N     9   1.023MHz   56.00   49.77   6.23   43.57   6.20   QP   N     10   1.275MHz   56.00   49.52   6.48   43.32   6.20   QP   N     11   2.301MHz   56.00   39.16   16.84   32.96   6.20   QP   N     12   3.962MHz   56.00   45.42   10.58   39.12   6.30   QP   N     13   586.500kHz   46.00   42.43   3.57   36.23   6.20   AV   L1     14   1.023MHz   46.00   42.74   3.26   36.54   6.20   AV   L1     15   1.275MHz   46.00   39.56   6.44   33.26   6.30   AV   L1     16   2.810MHz   46.00	5	1.914MHz	56.00	44.53	11.47	38.33	6.20	QP	L1
8   586.500kHz   56.00   50.16   5.84   43.96   6.20   QP   N     9   1.023MHz   56.00   49.77   6.23   43.57   6.20   QP   N     10   1.275MHz   56.00   49.52   6.48   43.32   6.20   QP   N     11   2.301MHz   56.00   39.16   16.84   32.96   6.20   QP   N     12   3.962MHz   56.00   45.42   10.58   39.12   6.30   QP   N     13   586.500kHz   46.00   42.43   3.57   36.23   6.20   AV   L1     14   1.023MHz   46.00   42.40   3.60   36.20   6.20   AV   L1     15   1.275MHz   46.00   42.74   3.26   36.54   6.20   AV   L1     16   2.810MHz   46.00   39.56   6.44   33.26   6.30   AV   L1     17   3.957MHz   46.00	6	3.962MHz	56.00	43.33	12.67	37.03	6.30	QP	L1
9   1.023MHz   56.00   49.77   6.23   43.57   6.20   QP   N     10   1.275MHz   56.00   49.52   6.48   43.32   6.20   QP   N     11   2.301MHz   56.00   39.16   16.84   32.96   6.20   QP   N     12   3.962MHz   56.00   45.42   10.58   39.12   6.30   QP   N     13   586.500kHz   46.00   42.43   3.57   36.23   6.20   AV   L1     14   1.023MHz   46.00   42.40   3.60   36.20   6.20   AV   L1     14   1.023MHz   46.00   42.74   3.26   36.54   6.20   AV   L1     15   1.275MHz   46.00   39.56   6.44   33.26   6.30   AV   L1     17   3.957MHz   46.00   31.55   4.45   35.25   6.30   AV   L1     18   4.470MHz   46.00	7	510.000kHz	56.00	49.78	6.22	43.58	6.20	QP	Ν
10   1.275MHz   56.00   49.52   6.48   43.32   6.20   QP   N     11   2.301MHz   56.00   39.16   16.84   32.96   6.20   QP   N     12   3.962MHz   56.00   45.42   10.58   39.12   6.30   QP   N     13   586.500kHz   46.00   42.43   3.57   36.23   6.20   AV   L1     14   1.023MHz   46.00   42.40   3.60   36.20   6.20   AV   L1     15   1.275MHz   46.00   42.74   3.26   36.54   6.20   AV   L1     16   2.810MHz   46.00   39.56   6.44   33.26   6.30   AV   L1     17   3.957MHz   46.00   36.64   9.36   30.34   6.30   AV   L1     18   4.470MHz   46.00   41.32   4.68   35.12   6.20   AV   N     20   1.023MHz   46.00	8	586.500kHz	56.00	50.16	5.84	43.96	6.20	QP	Ν
11 2.301MHz 56.00 39.16 16.84 32.96 6.20 QP N   12 3.962MHz 56.00 45.42 10.58 39.12 6.30 QP N   13 586.500kHz 46.00 42.43 3.57 36.23 6.20 AV L1   14 1.023MHz 46.00 42.40 3.60 36.20 6.20 AV L1   15 1.275MHz 46.00 42.74 3.26 36.54 6.20 AV L1   16 2.810MHz 46.00 39.56 6.44 33.26 6.30 AV L1   17 3.957MHz 46.00 36.64 9.36 30.34 6.30 AV L1   18 4.470MHz 46.00 41.55 4.45 35.25 6.30 AV L1   19 510.000kHz 46.00 41.32 4.68 35.12 6.20 AV N   20 1.023MHz 46.00 43.47 2.53 37.27 6.20 AV N   21	9	1.023MHz	56.00	49.77	6.23	43.57	6.20	QP	Ν
12   3.962MHz   56.00   45.42   10.58   39.12   6.30   QP   N     13   586.500kHz   46.00   42.43   3.57   36.23   6.20   AV   L1     14   1.023MHz   46.00   42.40   3.60   36.20   6.20   AV   L1     15   1.275MHz   46.00   42.74   3.26   36.54   6.20   AV   L1     16   2.810MHz   46.00   39.56   6.44   33.26   6.30   AV   L1     17   3.957MHz   46.00   36.64   9.36   30.34   6.30   AV   L1     18   4.470MHz   46.00   41.55   4.45   35.25   6.30   AV   L1     19   510.000kHz   46.00   41.32   4.68   35.12   6.20   AV   N     20   1.023MHz   46.00   43.47   2.53   37.27   6.20   AV   N     21   1.275MHz   46.00	10	1.275MHz	56.00	49.52	6.48	43.32	6.20	QP	Ν
13586.500kHz46.0042.433.5736.236.20AVL1141.023MHz46.0042.403.6036.206.20AVL1151.275MHz46.0042.743.2636.546.20AVL1162.810MHz46.0039.566.4433.266.30AVL1173.957MHz46.0036.649.3630.346.30AVL1184.470MHz46.0041.554.4535.256.30AVL119510.000kHz46.0041.324.6835.126.20AVN201.023MHz46.0043.472.5337.276.20AVN211.275MHz46.0038.377.6332.176.20AVN232.810MHz46.0041.164.8434.866.30AVN	11	2.301MHz	56.00	39.16	16.84	32.96	6.20	QP	Ν
141.023MHz46.0042.403.6036.206.20AVL1151.275MHz46.0042.743.2636.546.20AVL1162.810MHz46.0039.566.4433.266.30AVL1173.957MHz46.0036.649.3630.346.30AVL1184.470MHz46.0041.554.4535.256.30AVL119510.000kHz46.0041.324.6835.126.20AVN201.023MHz46.0043.472.5337.276.20AVN211.275MHz46.0038.377.6332.176.20AVN232.810MHz46.0041.164.8434.866.30AVN	12	3.962MHz	56.00	45.42	10.58	39.12	6.30	QP	Ν
151.275MHz46.0042.743.2636.546.20AVL1162.810MHz46.0039.566.4433.266.30AVL1173.957MHz46.0036.649.3630.346.30AVL1184.470MHz46.0041.554.4535.256.30AVL119510.000kHz46.0041.324.6835.126.20AVN201.023MHz46.0043.472.5337.276.20AVN211.275MHz46.0038.377.6332.176.20AVN232.810MHz46.0041.164.8434.866.30AVN	13	586.500kHz	46.00	42.43	3.57	36.23	6.20	AV	L1
162.810MHz46.0039.566.4433.266.30AVL1173.957MHz46.0036.649.3630.346.30AVL1184.470MHz46.0041.554.4535.256.30AVL119510.000kHz46.0041.324.6835.126.20AVN201.023MHz46.0044.901.1038.706.20AVN211.275MHz46.0043.472.5337.276.20AVN222.558MHz46.0038.377.6332.176.20AVN232.810MHz46.0041.164.8434.866.30AVN	14	1.023MHz	46.00	42.40	3.60	36.20	6.20	AV	L1
173.957MHz46.0036.649.3630.346.30AVL1184.470MHz46.0041.554.4535.256.30AVL119510.000kHz46.0041.324.6835.126.20AVN201.023MHz46.0044.901.1038.706.20AVN211.275MHz46.0043.472.5337.276.20AVN222.558MHz46.0038.377.6332.176.20AVN232.810MHz46.0041.164.8434.866.30AVN	15	1.275MHz	46.00	42.74	3.26	36.54	6.20	AV	L1
18   4.470MHz   46.00   41.55   4.45   35.25   6.30   AV   L1     19   510.000kHz   46.00   41.32   4.68   35.12   6.20   AV   N     20   1.023MHz   46.00   44.90   1.10   38.70   6.20   AV   N     21   1.275MHz   46.00   43.47   2.53   37.27   6.20   AV   N     22   2.558MHz   46.00   38.37   7.63   32.17   6.20   AV   N     23   2.810MHz   46.00   41.16   4.84   34.86   6.30   AV   N	16	2.810MHz	46.00	39.56	6.44	33.26	6.30	AV	L1
19   510.000kHz   46.00   41.32   4.68   35.12   6.20   AV   N     20   1.023MHz   46.00   44.90   1.10   38.70   6.20   AV   N     21   1.275MHz   46.00   43.47   2.53   37.27   6.20   AV   N     22   2.558MHz   46.00   38.37   7.63   32.17   6.20   AV   N     23   2.810MHz   46.00   41.16   4.84   34.86   6.30   AV   N	17	3.957MHz	46.00	36.64	9.36	30.34	6.30	AV	L1
20   1.023MHz   46.00   44.90   1.10   38.70   6.20   AV   N     21   1.275MHz   46.00   43.47   2.53   37.27   6.20   AV   N     22   2.558MHz   46.00   38.37   7.63   32.17   6.20   AV   N     23   2.810MHz   46.00   41.16   4.84   34.86   6.30   AV   N	18	4.470MHz	46.00	41.55	4.45	35.25	6.30	AV	L1
21   1.275MHz   46.00   43.47   2.53   37.27   6.20   AV   N     22   2.558MHz   46.00   38.37   7.63   32.17   6.20   AV   N     23   2.810MHz   46.00   41.16   4.84   34.86   6.30   AV   N	19	510.000kHz	46.00	41.32	4.68	35.12	6.20	AV	Ν
22   2.558MHz   46.00   38.37   7.63   32.17   6.20   AV   N     23   2.810MHz   46.00   41.16   4.84   34.86   6.30   AV   N	20	1.023MHz	46.00	44.90	1.10	38.70	6.20	AV	Ν
23 2.810MHz 46.00 41.16 4.84 34.86 6.30 AV N	21	1.275MHz	46.00	43.47	2.53	37.27	6.20	AV	N
	22	2.558MHz	46.00	38.37	7.63	32.17	6.20	AV	N
24 3.962MHz 46.00 38.10 7.90 31.80 6.30 AV N	23	2.810MHz	46.00	41.16	4.84	34.86	6.30	AV	N
	24	3.962MHz	46.00	38.10	7.90	31.80	6.30	AV	N

*Remark:* 1. Factor = LISN Factor + Cable Loss, the value was added to Original Receiver Reading by the software automatically.

2. Reading = Original Receiver Reading + Factor

3. Margin = Limit - Level

4. If the PK Corrected Reading is lower than AV limit, the AV test can be elided.