



FCC PART 15 SUBPART C FCC PART 15.209 TEST REPORT

FCC ID:2BUTU-BZVM-0228

Report No: CTSL2610130030ER02

Product Name: LED VANITY MIRROR

Main Test Model: BZ0228-A

Series Models: -

Applicant: Shenzhen Bozhen Technology Co., Ltd.

EXECUTIVE SUMMARY

A sample of this product was tested and found to be in compliance with
FCC PART 15C, FCC PART 15 SUBPART C (15.209).

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applicable to presented Test sample.

CTSL Testing (Dongguan) Co., Ltd.

Main company address: Building 1, Houjie Road, Houjie Town, Guangdong Province
Dongguan City, China

Test Report

FCC ID:2BUTU-BZVM-0228

Applicant Name	Shenzhen Bozhen Technology Co., Ltd.				
Applicant Address	Rm1508, Bldg A, Zhengzhong Times Bldg, West Gate, No. 89 Longcheng Ave., Shangjing Community, Longcheng St., Longgang Dist., Shenzhen, Guangdong, China				
Manufacturer Name	Shenzhen Bozhen Technology Co., Ltd.				
Manufacturer Address	Rm1508, Bldg A, Zhengzhong Times Bldg, West Gate, No. 89 Longcheng Ave., Shangjing Community, Longcheng St., Longgang Dist., Shenzhen, Guangdong, China				
Trade Mark	-				
Product name	LED VANITY MIRROR				
Main Test Model	BZ0228-A				
Series Models	-				
Standard	FCC Part 15 Subpart C (15.209) ANSI C63.10:2020				
Test Location	ISO/IEC 17025 by ILAC-MRA is A2LA 7556.01 CTSL Testing (Dongguan) Co., Ltd. Room 112, Building 1, No. 15, Jiaoyuansongshan Hetian Village, Houjie Town Dongguan City, Guangdong, People's Republic of China				
Receipt Date	2026.01.30	Test period	2026.01.30-2026.02.05	Issue Date	2025.02.06
Conclusion	The equipment under test was found to be compliance with the requirements of the standards applied.				
Performs Testing:	Ethan Zhao				
Test Report Reviewer:	Steve Qin				
Test Report Authorizer:	Alan Li				

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1. GENERAL INFORMATION

1.1. General Description of EUT (Equipment Under Test)

Product Information	
Product Name	: LED VANITY MIRROR
Main Test Model	: BZ0228-A
Series Models	: -
Power supply	: Input: DC 12V 2A by Power Adapter Wireless Power Transfer Output:
Battery	: N/A
Software Version	: GF-MD2102-LY-1F
Hardware Version	: V1.0
Equipment Under Test	
Testing sample ID	: CTSL2610130030-S1 (Engineer sample) CTSL2610130030-S2 (Normal sample)
Test supplied	: ☒ supplied by the manufacturer ☐ supplied by the lab (Auxiliary test supplied by test Lab)
Power supply information (Supplied by the manufacturer)	: Power Adapter Input: 110-240V, 50/60Hz, 1A Power Adapter Output: DC 12V/2A
Wireless Specification	
Supported Type	: WPT (Wireless Power Transfer)
Modulation Type	: ASK
Operation frequency	: 118-205kHz
Max Wireless Charge Power	: 15W
Max Field Strength of Fundamental @3m	: 94.44dBuV/m
Antenna Gain& type	: Refer to Section 1.2 of the report.
Sample Type	: Prototype production
Type of Device	: ☐ Portable Device; ☒ Mobile Device; ☐ Modular Device

Note: For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

1.2. Antenna Information

Ant No.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	118-205kHz	/	COIL ANTENNA	/	0
Note: 1. The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain. 2. The test results of this report only apply to the sample as received.					

1.3. Information of RF Cable

Cable Loss(dB)	Provided by
1.0	Shenzhen Bozhen Technology Co., Ltd.
Note: 1. The customer declared the loss value of the RF Cable. and the test results of this report only apply to the sample as received. 2. The laboratory is not responsible for the accuracy of the cable loss.	

2.SUMMARY OF TEST

2.1.Test Standards

FCC Rules Part 15.209: Radiated emission limits; general requirements.

ANSI C63.10:2020: American National Standard for Testing Unlicensed Wireless Devices

2.2.Summary of test result

No.	Description of Test Item	FCC Standard Section	Results
1	Radiated Spurious Emissions	15.209(a) (f)	PASS
3	AC Power Line Conducted Emissions	15.207	PASS
4	20dB Bandwidth	15.215(c)	PASS
10	Antenna Requirement	15.203	PASS

Note: "N/A" denotes test is not applicable in this test report.

2.3. Test Facilities

EMC Lab :

A2LA Certificate Number: 7556.01;
CTSL Testing (Dongguan) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.
The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

FCC Designation Number: CN1425;
Test Firm Registration Number: 750639;
CTSL Testing (Dongguan) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

Industry Canada Registration Number. Is: 34801;
CAB identifier: CN0192;
CTSL Testing (Dongguan) Co., Ltd. The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

Name of Firm : CTSL Testing (Dongguan) Co., Ltd.

EMC test location/satellite location:
Room 112, Building 1, No. 15, Jiaoyuansongshan Hetian Village, Houjie Town Dongguan City, Guangdong, People's Republic of China City, Guangdong, China

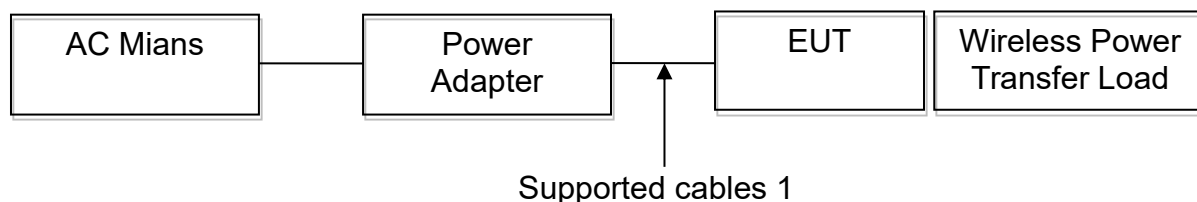
2.4. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	$\pm 3.48 \text{ dB}$
Uncertainty for spurious emissions test (Below 30MHz)	$\pm 1.62 \text{ dB}$
Uncertainty for spurious emissions test (30MHz-1GHz)	$\pm 4.60 \text{ dB (Polarize: H)}$
	$\pm 4.68 \text{ dB (Polarize: V)}$
Uncertainty for radio frequency	7×10^{-8}

Note: This uncertainty represents an expanded uncertainty expressed at approximately The 95% confidence level using a coverage factor of $k=2$.

2.5. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 (or 1.5) meter high above ground. EUT was beset into Bluetooth test mode by software before test.



(EUT: LED VANITY MIRROR)

2.6. Assistant equipment used for test

Item	Equipment	Brand	Model Name/Type No.	FCC ID	Series No.
1	Power Adapter	-	AED24H-1202000VWSW0	-	-
2	Wireless Power Transfer Load Station	-	YBZ-25W	-	-

Supported cables				
Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.5m	DC Line (supplied by the manufacturer)

2.7. Test mode

Combining all the rates, modulations, and packet types, the Pre-scans had been carried out. The worst-case test mode was selected for the final test as listed below.

Test Item	Test Mode
Radiated Spurious Emissions (Below 30MHz)	Wireless Charging with Empty Load
	Wireless Charging with Half Load
	Wireless Charging with Full Load (Note: 1)
Radiated Spurious Emissions (Above 30MHz)	Wireless Charging with Empty Load
	Wireless Charging with Half Load
	Wireless Charging with Full Load (Note: 1)
AC Power Line Conducted Emissions	Wireless Charging with Empty Load
	Wireless Charging with Half Load
	Wireless Charging with Full Load (Note: 1)

Note: In Radiated measurement, the EUT had been pre-scan on the positioned of each 3 axis (X, Y, Z), the worst case was found when positioned on **X-plane**.

Note: 1. The Full Load is worst case, will be recorded in the report.

2.8. Channel List

Channel No.	Frequency (KHz)
01	135

2.9. Power Setting of Test Software

Software Name	/
Frequency (MHz)	135kHz
ASK Setting	Default

Note: This information is provided by the applicant.

2.10.Test Equipment

For Conducted Emission Test						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESCI 3	AT005	GUANGZHOU NEM	May 16,25	May 15,26
LISN	Rohde & Schwarz	ENV216	AT006	LISAI	July 31,25	July 30,26
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	AT007	CCIC (Shenzhen)	July 10,25	July 09,26
CE Cable	Times Microwave	LMR195UF-N MNM-1.50M	AT041	GUANGZHOU NEM	May 16,25	May 15,26
Test Software	FARAD	EZ-EMC Ver.3A1.1+	N/A	N/A	N/A	N/A

For Radiated Emission Test (9kHz-30MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI TestReceiver	Rohde& Schwarz	ESCI 7	AT001	Ti Group	July 31,24	July 30,26
Active Loop Antenna	ZHINAN	ZN30900C	AT063	LISAI	Aug 03,24	Aug 02,26
Test Software	FARAD	EZ-EMC Ver.3A1.1+	N/A	N/A	N/A	N/A
9kHz-30MHz Cable	Times Microwave	LMR195UF-N MNM-9M	AT045	GUANGZHOU NEM	May 16,25	May 15,26

For Radiated Emissions Test (30MHz-1000MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde& Schwarz	ESCI 7	AT001	Ti Group	Jun 12,25	Jun 11,26
Trilog-Broadband Antenna	SCHWARZBEC K	VULB 9168	AT002	LISAI	Aug 03,24	Aug 02,26
Test Software	FARAD	EZ-EMC Ver.3A1.1+	N/A	N/A	May 16,25	May 15,26
30-1000MHz Cable	Times Microwave Systems	LMR195UF-N MRNMR-3.00 M+ LMR400UF-N MNM-3.00M+ LMR400UF-N MNM-3.00M	AT042+AT043+AT044	GUANGZHOU NEM	May 16,25	May 15,26

For Radiated Emission Test (Above 1000MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Horn Antenna 1-18G	SCHWARZBECK	BBHA 9120 D	AT003	Shenzhen Academy of Metrology & Quality Inspection	Sep 23,24	Sep 22,26
Horn Antenna 18-40GHz	XIBAO	XB-WDB18-40K	AT064	LISAI	Feb 25,25	Feb 24,26
Broadband Preamplifier	SCHWARZBECK	BBV 9718 D	AT004	CCIC (Shenzhen)	July 10,25	July 9,26
Low Noise Amplifier	MWRFTest	DLA8-18-40G-2078	AT065	GUANGZHOU NEM	July 10,25	July 9,26
Spectrum Analyzer 40G	Keysight	N9020B	AT066	GUANGZHOU NEM	May 13,25	May 12,26
Spectrum Analyzer 26.5G	Keysight	N9020A	AT050	GUANGZHOU NEM	Jun 12,25	Jun 11,26
Radio switching unit	TiGroup	SU319	AT055	N/A	N/A	N/A
Filtering unit	TiGroup	SU319F	AT056	N/A	N/A	N/A
Test Software	BL	BL410-E V25.5 en	N/A	N/A	N/A	N/A
Above 1GHz Cable	Times Microwave Systems	SFT205-NMN M-7.0M+ SFT205-NMN M-2.0M	AT057+ AT058	N/A	N/A	N/A

For Connect EUT Antenna Terminal Test (RF Test system)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Spectrum analyzer	Keysight	N9020A	AT050	GUANGZHOU NEM	Jun 12,25	Jun 11,26
Analog signal source	Keysight	N5173B	AT051	GUANGZHOU NEM	Jun 12,25	Jun 11,26
WIDEBAND RADIO COMMUNICATION TESTER	Rohde&Schwarz	CMW500	AT052	GUANGZHOU NEM	Jun 12,25	Jun 11,26
Power probe unit	Ti Group	SU319P	AT053	GUANGZHOU NEM	Jun 12,25	Jun 11,26
Switch unit	Ti Group	SU319S	AT054	N/A	N/A	N/A
Test Software	BL	BL410R 3.5.2.621	N/A	N/A	N/A	N/A

3. RADIATED SPURIOUS EMISSIONS AND BAND EDGE

3.1. Limit

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

15.205 Restricted frequency band			
MHZ	MHz	MHZ	GHZ
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)

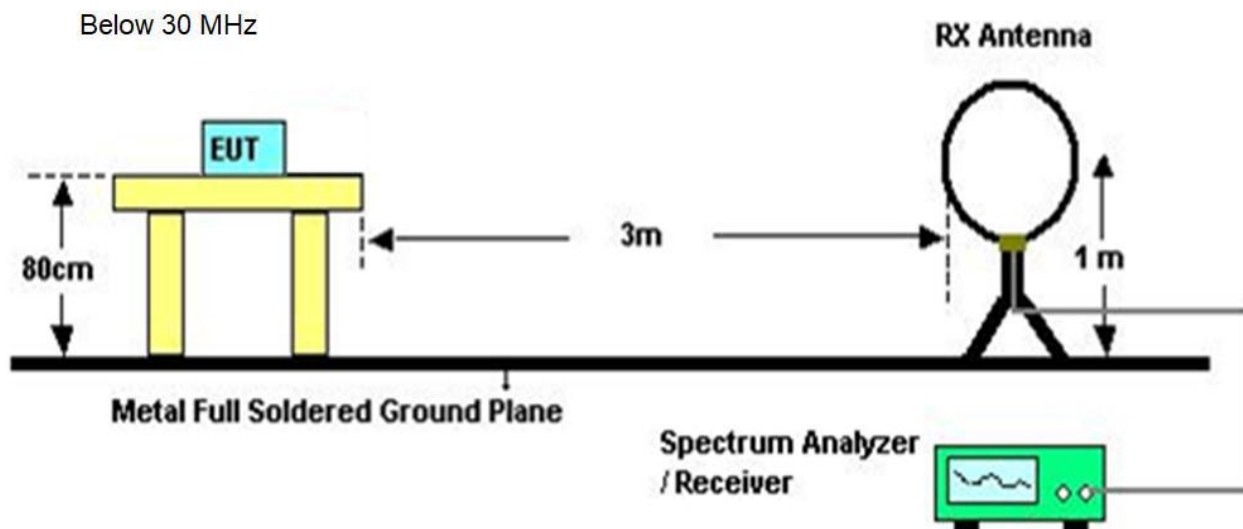
15.209 Limit		
Frequency (MHz)	Field Strength($\mu\text{V/m}$)	Distance(m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

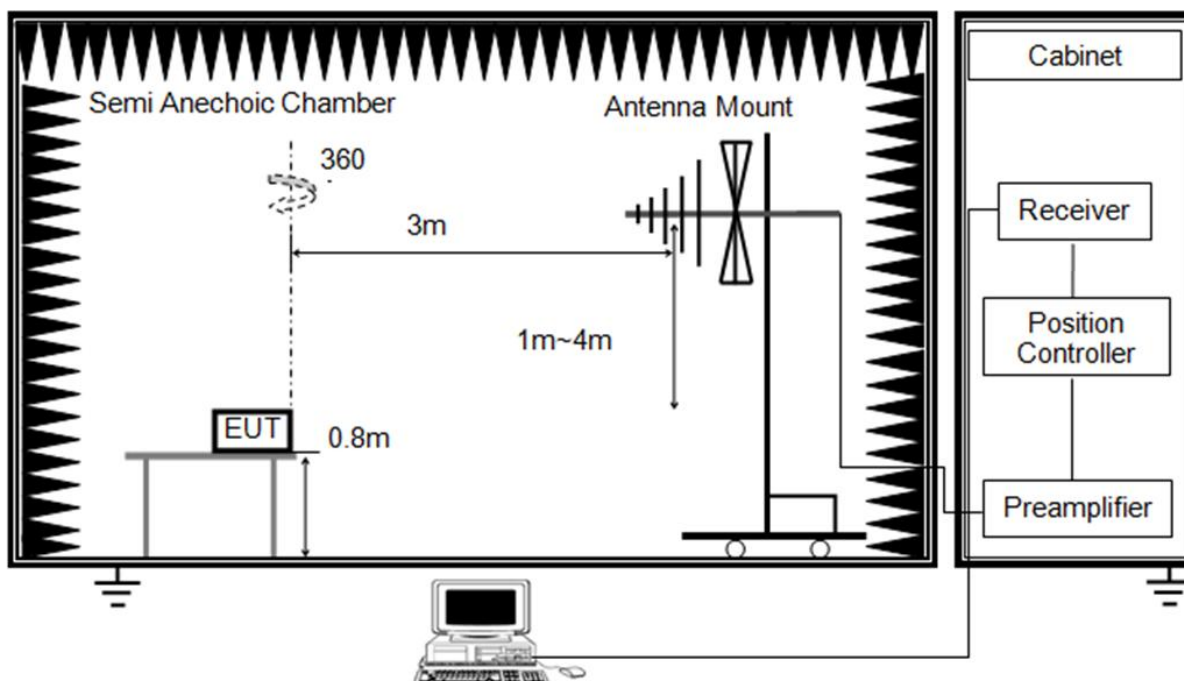
- (1) Emission level $\text{dB}\mu\text{V} = 20 \log \text{Emission level } \mu\text{V/m}$.
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

3.2. Test Setup

(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz Below 1 GHz and above 30 MHz



3.3. Spectrum Analyzer Setting

For 9KHz-150KHz	
Spectrum Parameters	Setting
RBW	300Hz (for Peak&AVG)/CISPR 200Hz (for QP)
VBW	300Hz (for Peak&AVG)/CISPR 200Hz (for QP)
Start frequency	9KHz
Stop frequency	150KHz
Sweep Time	Auto
Detector	PEAK/QP/AVG
Trace Mode	Max Hold

Note: For 9KHz-90KHz&110KHz-150KHz, the detector is average, other frequency is CISPR QP detector.

For 150KHz-30MHz	
Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

Note: For 150KHz-490KHz, the detector is average, other frequency is CISPR QP detector.

For 30MHz-1GHz	
Spectrum Parameters	Setting
RBW	120KHz
VBW	300KHz
Start frequency	30MHz
Stop frequency	1GHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

3.4. Test Procedure

- a. EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz test, and which is 1.5 meter high above ground for above 1GHz test.
- b. The diameter of the turntable is 2 meters. The EUT is located at the center of the edge of the test support table. Since the turntable is large enough, the EUT is placed at the center of the edge of the test support table as well as at the center of the turntable.
- c. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
- d. Set the EUT transmit continuously with maximum output power.
- e. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
- f. For below 30MHz test, the center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates both coaxial and coplanar polarization to find out the maximum emission level.
- g. For above 30MHz test The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.
- h. Spectrum analyzer setting parameters in accordance with section 3.3.
- i. Record the results in the test report.

Note:

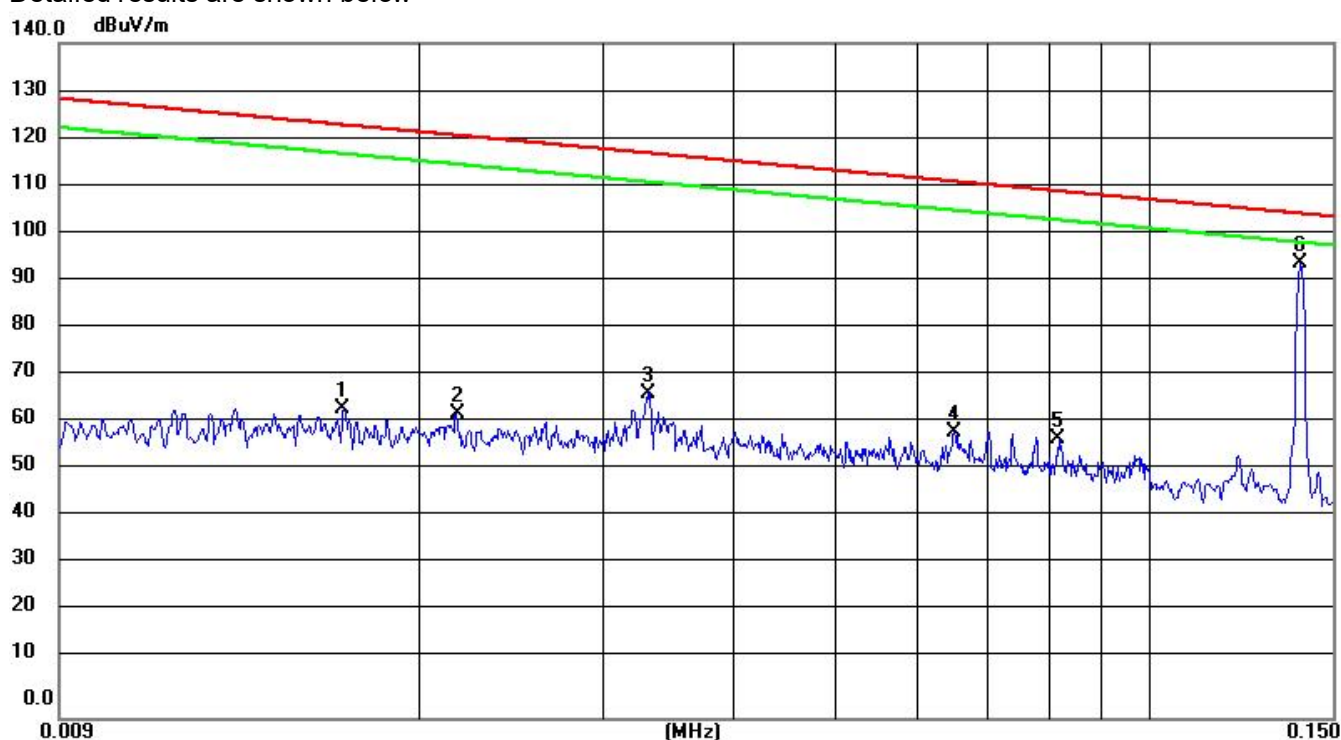
1. For Radiated emission below 30MHz test, if peak level comply with average limit, then the average level is deemed to comply with average limit.
2. For Radiated emissions below 30MHz, if peak level comply with QP limit, then the QP level is deemed to comply with QP limit.
3. only worse case: 15W mode is reported.
4. EUT was tested at AC 120V and 240V, only the worst result of AC 120V was reported.

3.5. Test Result

Radiated Emissions Below 30MHz-(Ant. Pol.: Coaxial)

EUT: LED VANITY MIRROR
M/N: BZ0228-A
Test Voltage: DC 12V by Power Adapter Input AC 120V/60Hz
Ant. Pol.: Coaxial
Test Mode: Wireless Charging with Full Load
Note: Only worse case: 15W mode is reported

Detailed results are shown below



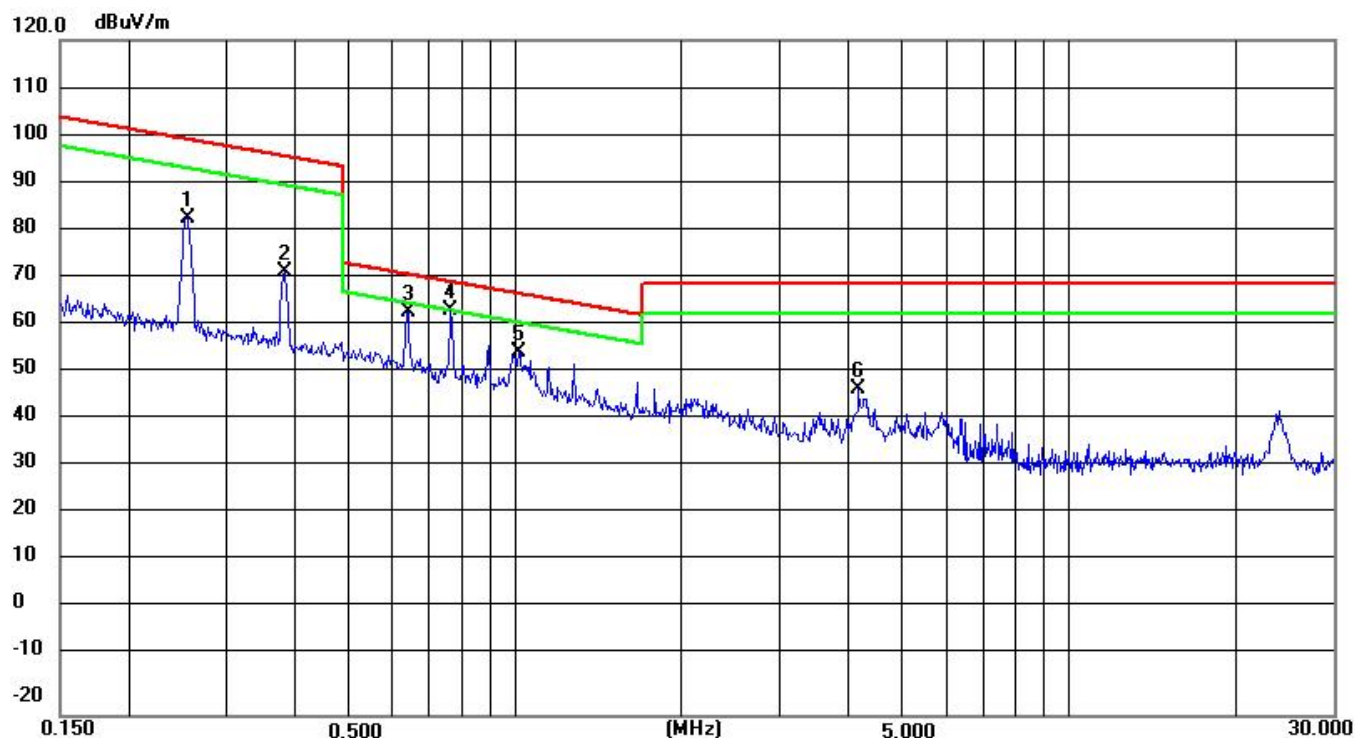
No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1	0.0169	43.94	20.34	64.28	123.03	-58.75	peak	
2	0.0217	43.00	20.27	63.27	120.86	-57.59	peak	
3	0.0331	47.41	20.11	67.52	117.19	-49.67	peak	
4	0.0650	39.57	19.71	59.28	111.34	-52.06	peak	
5	0.0819	38.22	19.70	57.92	109.33	-51.41	peak	
6 *	0.1398	74.80	19.64	94.44	104.69	-10.25	peak	

Remarks:

- 1). Level (dBμV/m) = Reading (dBμV/m) + Factor (dB/m)
- 2). Factor(dB/m) =Antenna Factor (dB/m) + Cable loss (dB)
- 3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

Radiated Emissions Below 30MHz-(Ant. Pol.: Coaxial)

EUT: LED VANITY MIRROR
M/N: BZ0228-A
Test Voltage: DC 12V by Power Adapter Input AC 120V/60Hz
Ant. Pol.: Coaxial
Test Mode: Wireless Charging with Full Load
Note: Only worse case: 15W mode is reported
Detailed results are shown below



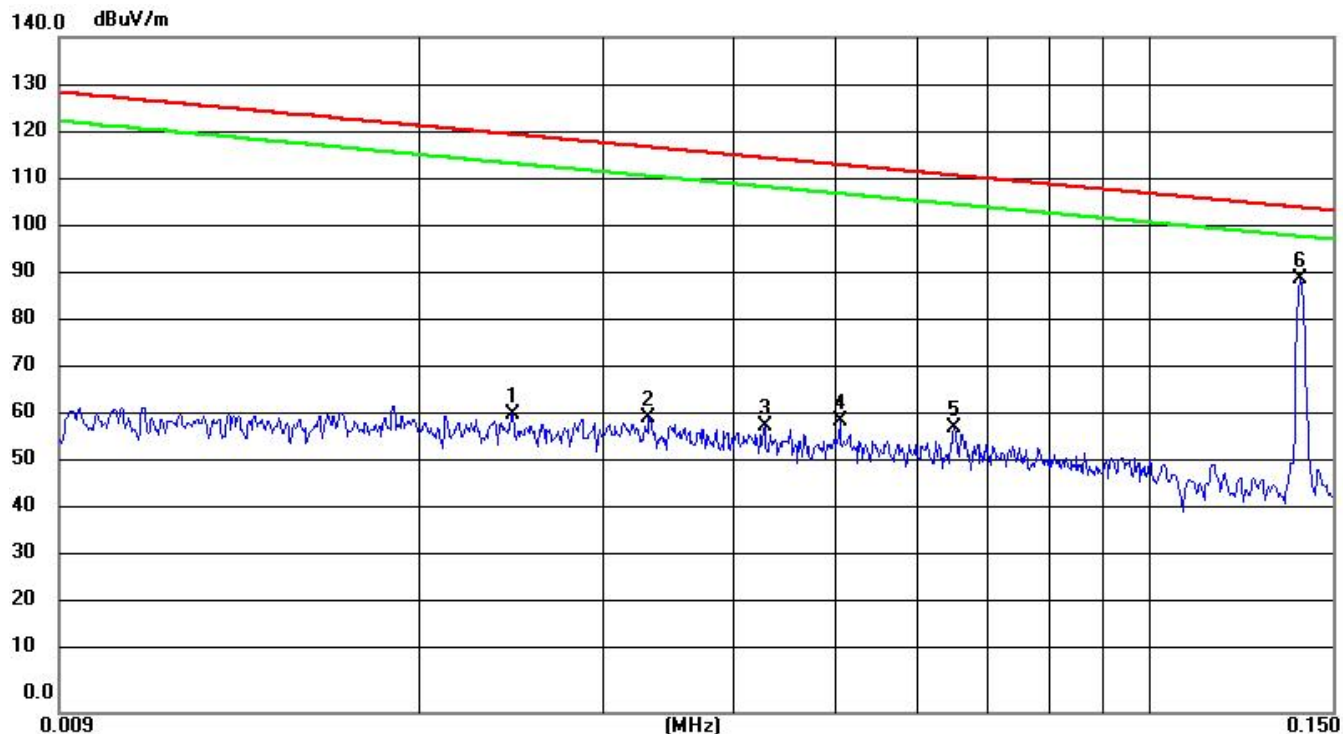
No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1	0.4171	61.66	19.60	81.26	95.20	-13.94	peak	
2	0.6973	32.27	19.53	51.80	70.74	-18.94	QP	
3	0.9735	41.47	19.45	60.92	67.85	-6.93	QP	
4 *	1.2555	39.88	19.46	59.34	65.65	-6.31	peak	
5	1.5355	37.29	19.49	56.78	63.91	-7.13	peak	
6	1.8096	34.65	19.52	54.17	69.50	-15.33	peak	
7	29.3709	13.63	20.27	33.90	69.50	-35.60	peak	

Remarks:

- 1). Level (dBμV/m) = Reading (dBμV/m) + Factor (dB/m)
- 2). Factor(dB/m) = Antenna Factor (dB/m) + Cable loss (dB)
- 3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

Radiated Emissions Below 30MHz-(Ant. Pol.: Coplane)

EUT: LED VANITY MIRROR
M/N: BZ0228-A
Test Voltage: DC 12V by Power Adapter Input AC 120V/60Hz
Ant. Pol.: Coplane
Test Mode: Wireless Charging with Full Load
Note: Only worse case: 15W mode is reported
Detailed results are shown below



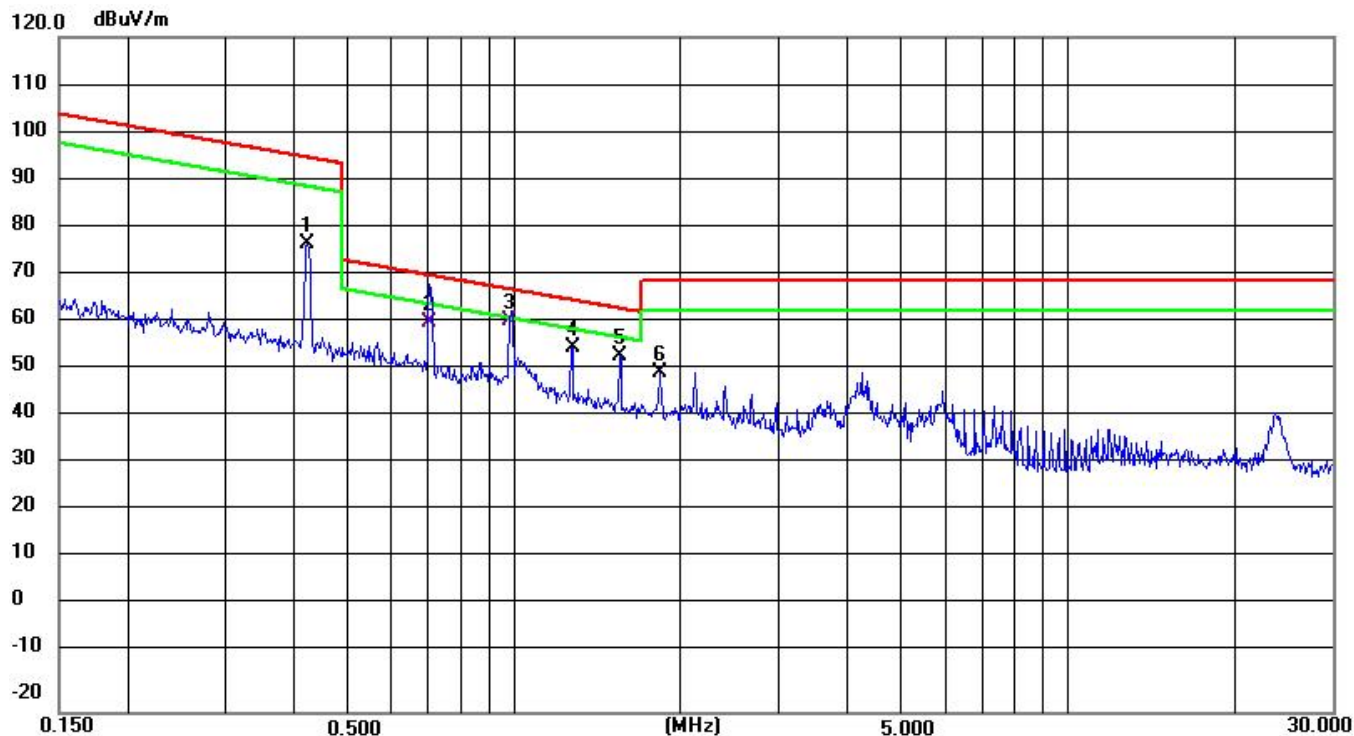
No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1	0.0245	41.78	20.23	62.01	119.81	-57.80	peak	
2	0.0331	40.94	20.11	61.05	117.19	-56.14	peak	
3	0.0428	39.38	20.01	59.39	114.96	-55.57	peak	
4	0.0505	40.67	19.93	60.60	113.53	-52.93	peak	
5	0.0650	39.49	19.71	59.20	111.34	-52.14	peak	
6 *	0.1398	70.38	19.64	90.02	104.69	-14.67	peak	

Remarks:

- 1). Level (dBμV/m) = Reading (dBμV/m) + Factor (dB/m)
- 2). Factor(dB/m) =Antenna Factor (dB/m) + Cable loss (dB)
- 3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

Radiated Emissions Below 30MHz-(Ant. Pol.: Coplane)

EUT: LED VANITY MIRROR
M/N: BZ0228-A
Test Voltage: DC 12V by Power Adapter Input AC 120V/60Hz
Ant. Pol.: Coplane
Test Mode: Wireless Charging with Full Load
Note: Only worse case: 15W mode is reported
Detailed results are shown below



No.	Frequency (MHz)	Reading Level(dBuV)	Correct Factor(dB/m)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1	0.4215	57.72	19.60	77.32	95.11	-17.79	peak	
2	0.7010	41.30	19.53	60.83	70.70	-9.87	QP	
3 *	0.9839	41.92	19.45	61.37	67.76	-6.39	QP	
4	1.2688	36.20	19.46	55.66	65.56	-9.90	peak	
5	1.5436	34.66	19.49	54.15	63.86	-9.71	peak	
6	1.8288	30.90	19.52	50.42	69.50	-19.08	peak	

Remarks:

- 1). Level (dBμV/m) = Reading (dBμV/m) + Factor (dB/m)
- 2). Factor(dB/m) =Antenna Factor (dB/m) + Cable loss (dB)
- 3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

Radiated Emissions 30-1000MHz

EUT: LED VANITY MIRROR
M/N: BZ0228-A
Test Voltage: DC 12V by Power Adapter
Ant. Pol.: Vertical
Test Mode: Wireless Charging with Full Load
Note: Only worse case: 15W mode is reported
Detailed results are shown below



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	37.812	10.05	20.10	30.15	40.00	-9.85	QP			P	
2 *	41.277	12.65	19.53	32.18	40.00	-7.82	QP			P	
3	89.590	16.12	15.47	31.59	43.50	-11.91	QP			P	
4	187.096	11.68	17.31	28.99	43.50	-14.51	QP			P	
5	281.007	10.35	19.43	29.78	46.00	-16.22	QP			P	
6	413.271	11.51	22.82	34.33	46.00	-11.67	QP			P	

Remarks: 1). Level (dBuV/m) = Reading (dBuV/m) + Factor (dB/m)
2). Factor(dB/m) =Antenna Factor (dB/m) + Cable loss (dB)
3). Margin(dB) = Limit (dBuV/m) - Level (dBuV/m)

EUT: LED VANITY MIRROR
M/N: BZ0228-A
Test Voltage: DC 12V by Power Adapter
Ant. Pol.: Horizontal
Test Mode: Wireless Charging with Full Load
Note: Only worse case: 15W mode is reported
Detailed results are shown below



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	88.964	8.55	15.70	24.25	43.50	-19.25	QP			P	
2 *	189.739	18.38	16.77	35.15	43.50	-8.35	QP			P	
3	279.044	14.37	19.41	33.78	46.00	-12.22	QP			P	
4	372.005	8.96	21.86	30.82	46.00	-15.18	QP			P	
5	413.271	12.42	22.82	35.24	46.00	-10.76	QP			P	
6	586.844	4.65	26.62	31.27	46.00	-14.73	QP			P	

Remarks: 1). Level (dBμV/m) = Reading (dBμV/m) + Factor (dB/m)
2). Factor(dB/m) = Antenna Factor (dB/m) + Cable loss (dB)
3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

4. AC POWER LINE CONDUCTED EMISSIONS

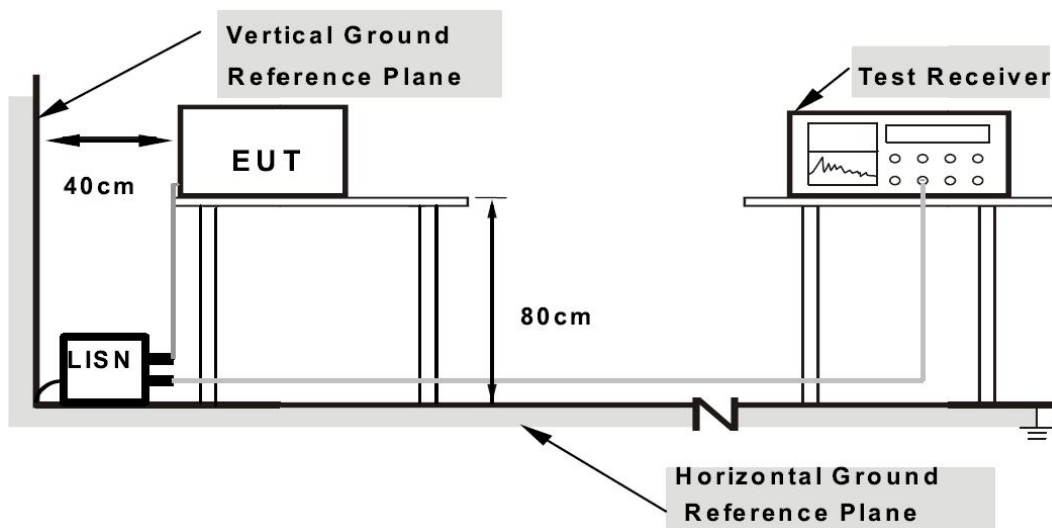
4.1. Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Note:

1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

4.2. Test Setup



4.3. Spectrum Analyzer Setting

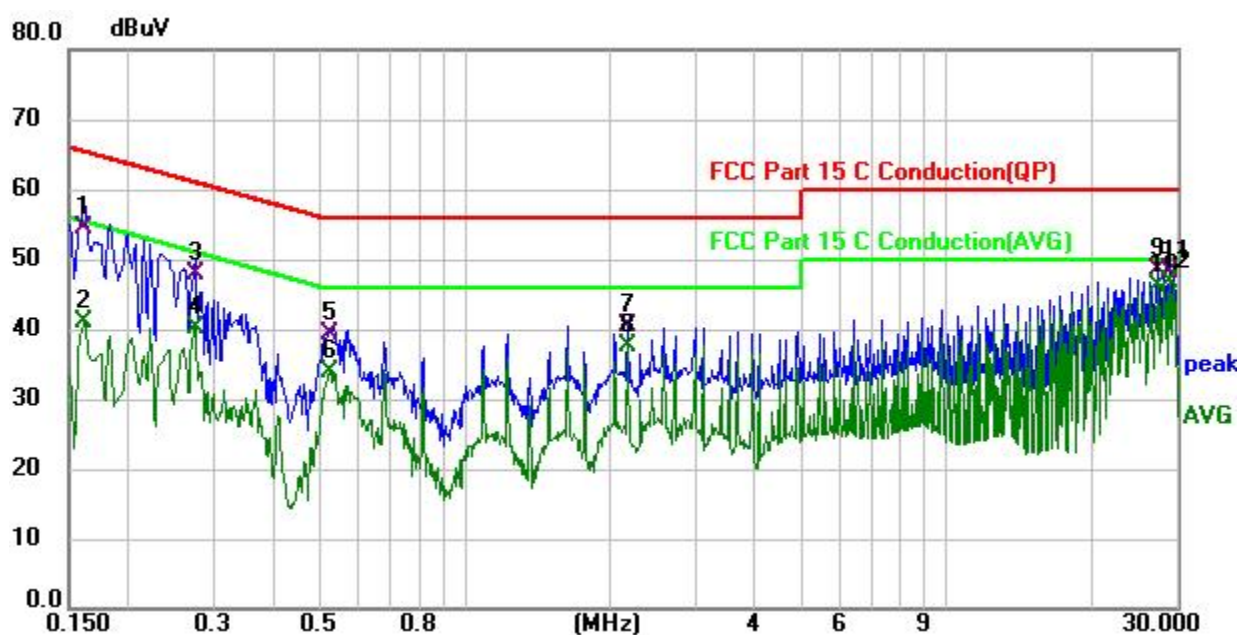
Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP/AVG
Trace Mode	Max Hold

4.4. Test Procedure

- a. The EUT was placed on a non-metallic table, 80cm above the ground plane.
- b. The EUT Power connected to the power mains through a line impedance stabilization network.
- c. Provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs).
- d. Set the EUT transmit continuously with maximum output power.
- e. Spectrum analyzer setting parameters in accordance with section 4.3.
- f. The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10:2020 on Conducted Emission Test.
- g. EUT was tested at AC 120V and 240V, only the worst result of AC 120V was reported.

4.5. Test Result

EUT: LED VANITY MIRROR
M/N: BZ0228-A
Test Voltage: DC 12V by Power Adapter Input AC 120V/60Hz
Phase: Live
Test Mode: Wireless Charging with Full Load
Note: Only worse case: 15W mode is reported
Detailed results are shown below

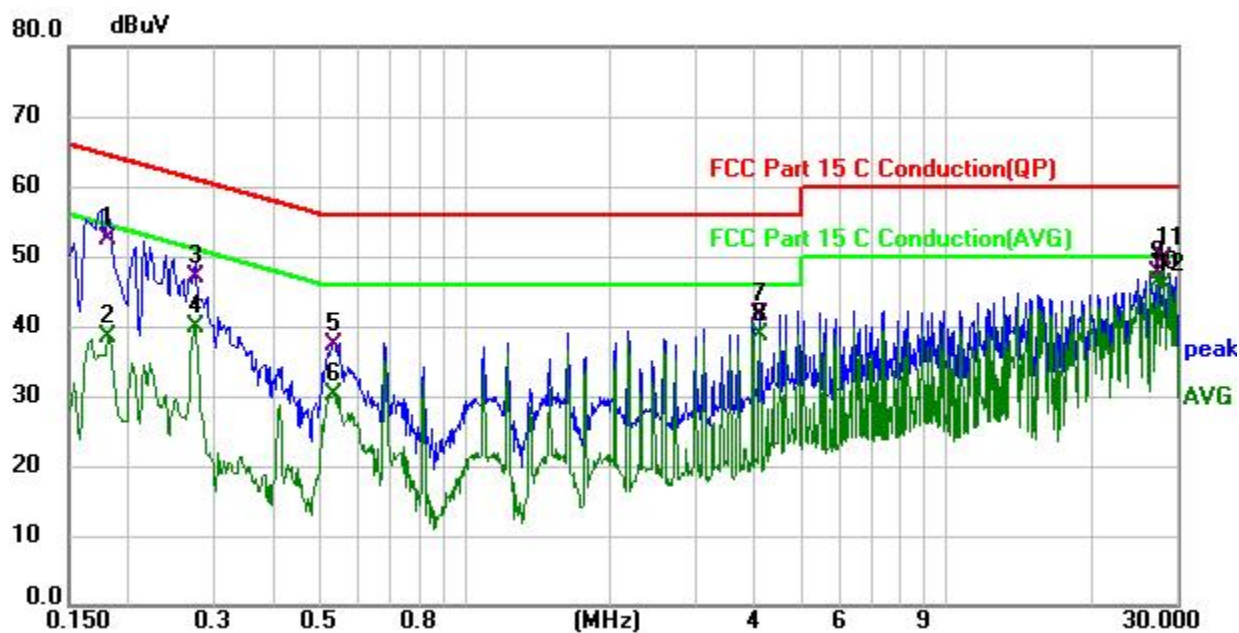


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.162	33.61	20.82	54.43	65.36	-10.93	QP	P	
2	0.162	20.09	20.82	40.91	55.36	-14.45	AVG	P	
3	0.274	26.98	20.83	47.81	61.00	-13.19	QP	P	
4	0.274	19.38	20.83	40.21	51.00	-10.79	AVG	P	
5	0.522	18.46	20.82	39.28	56.00	-16.72	QP	P	
6	0.522	12.92	20.82	33.74	46.00	-12.26	AVG	P	
7	2.178	19.45	21.05	40.50	56.00	-15.50	QP	P	
8	2.178	16.65	21.05	37.70	46.00	-8.30	AVG	P	
9	27.354	23.63	24.72	48.35	60.00	-11.65	QP	P	
10	27.354	21.34	24.72	46.06	50.00	-3.94	AVG	P	
11	29.122	23.06	25.04	48.10	60.00	-11.90	QP	P	
12 *	29.122	21.76	25.04	46.80	50.00	-3.20	AVG	P	

Remark: The test Result=Reading+ Lisn+ Cab L.

If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

EUT: LED VANITY MIRROR
M/N: BZ0228-A
Test Voltage: DC 12V by Power Adapter Input AC 120V/60Hz
Phase: Neutral
Test Mode: Wireless Charging with Full Load
Note: Only worse case: 15W mode is reported
Detailed results are shown below



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.182	31.74	20.67	52.41	64.40	-11.99	QP	P	
2	0.182	17.82	20.67	38.49	54.40	-15.91	AVG	P	
3	0.274	26.20	20.66	46.86	61.00	-14.14	QP	P	
4	0.274	19.34	20.66	40.00	51.00	-11.00	AVG	P	
5	0.534	16.54	20.65	37.19	56.00	-18.81	QP	P	
6	0.534	9.51	20.65	30.16	46.00	-15.84	AVG	P	
7	4.098	20.63	20.90	41.53	56.00	-14.47	QP	P	
8	4.098	17.90	20.90	38.80	46.00	-7.20	AVG	P	
9	27.406	22.85	24.72	47.57	60.00	-12.43	QP	P	
10 *	27.406	21.30	24.72	46.02	50.00	-3.98	AVG	P	
11	28.358	24.82	24.87	49.69	60.00	-10.31	QP	P	
12	28.358	21.08	24.87	45.95	50.00	-4.05	AVG	P	

Remark: The test Result=Reading+ Lisn+ Cab L.

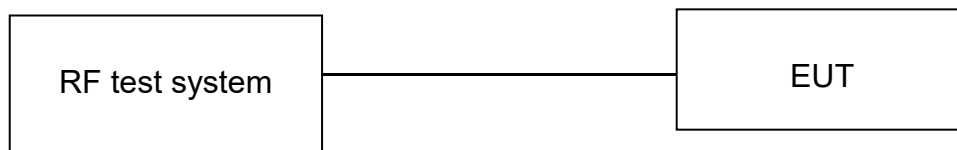
If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

5. 20DB BANDWIDTH

5.1. Limit

According to 15.215 (c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation

5.2. Test Setup



5.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	30KHz
VBW	100KHz
Span	3MHz
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

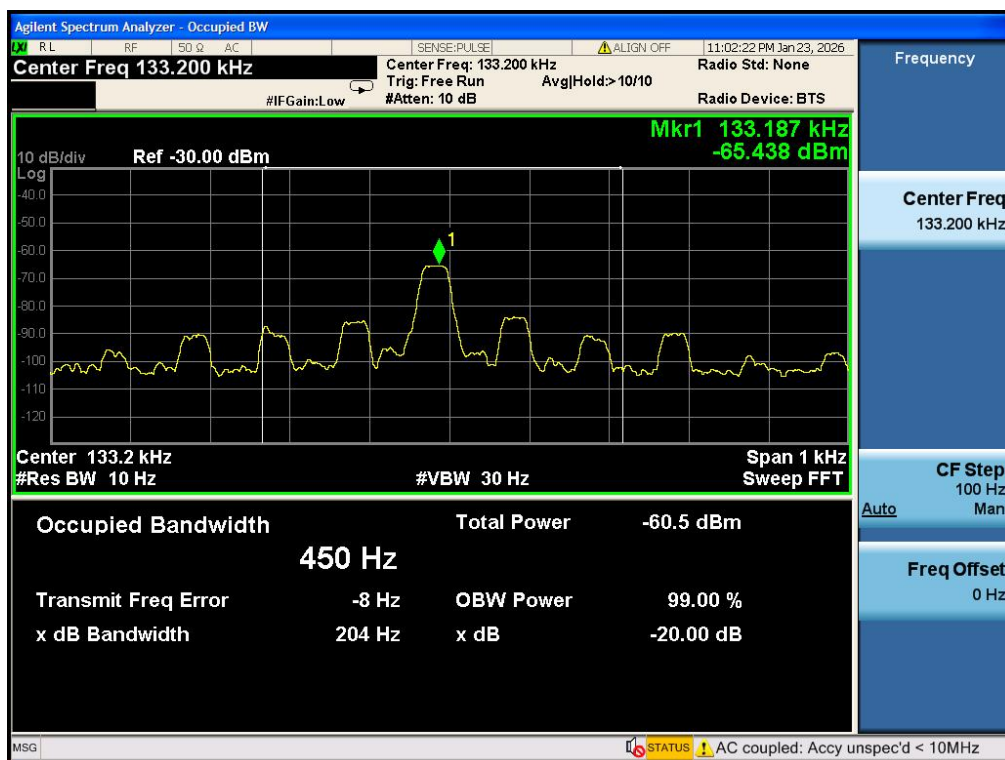
5.4. Test Procedure

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 5.3.
- Set the EUT transmit continuously with maximum output power over fixed single hopping channel.
- Allow trace to stabilize, use the ndB down function to measure 20dB Bandwidth.
- Repeat above procedures until all channels and test modes were measured.
- Record the results in the test report.

5.5. Test Result

Test Mode	Channel & Frequency	20dB Bandwidth	Result
	KHz	KHz	
ASK	133.2KHz	0.204	PASS

5.6. Original Test Record



6. ANTENNA REQUIREMENTS

6.1. Limit

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

6.2. Test Result

The antennas used for this product is COIL ANTENNA and no other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 0dBi.



7.APPENDIX

"EUT of External Photos, EUT Internal Photos & Test Setup Photos" Please refer to the Annex A, Annex B& Annex C document.

CTSL2610130030ER Annex A. EUT External Photos

CTSL2610130030ER Annex B. EUT Internal Photos

CTSL2610130030ER Annex C. Test Setup Photos

-----*End of Test Report*-----

