

Project No.: ZKT-220223L1000E Page 1 of 27



FCC TEST REPORT FCC ID:2A48T-BLS-YL1

Report Number	: ZKT-220223L1000E
Date of Test	. Feb. 22 to Mar. 03, 2022
Date of issue	: Mar. 03, 2022
Total number of pages	27
Test Result	: PASS
Testing Laboratory	: Shenzhen ZKT Technology Co., Ltd.
Address	1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China
Applicant's name	: Shenzhen Bo Lian Sheng Technology Co. LTD
Address	Room 301, Floor 3, Building 1, Zone 2, Fumin Industrial Zone, Etian Second Road, Pinghu Street, Longgang District, Shenzhen
Manufacturer's name	: Shenzhen Bo Lian Sheng Technology Co. LTD
Address	Room 301, Floor 3, Building 1, Zone 2, Fumin Industrial Zone, Etian Second Road, Pinghu Street, Longgang District, Shenzhen
Test specification:	
Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.231 ANSI C63.10:2013
Test procedure	:/
Non-standard test method	: N/A
Test Report Form No	TRF-EL-108_V0
Test Report Form(s) Originator	ZKT Testing
Master TRF	Dated: 2022-03-03
test (EUT) is in compliance with the identified in the report. This report shall not be reproduced e	en tested by ZKT, and the test results show that the equipment under FCC requirements. And it is applicable only to the tested sample except in full, without the written approval of ZKT, this document may al only, and shall be noted in the revision of the document.
Product name	: The wireless The wireless remote control switch switch
Trademark	: N/A
Model/Type reference	BLS-YL1
Ratings	: DC 3V

1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China





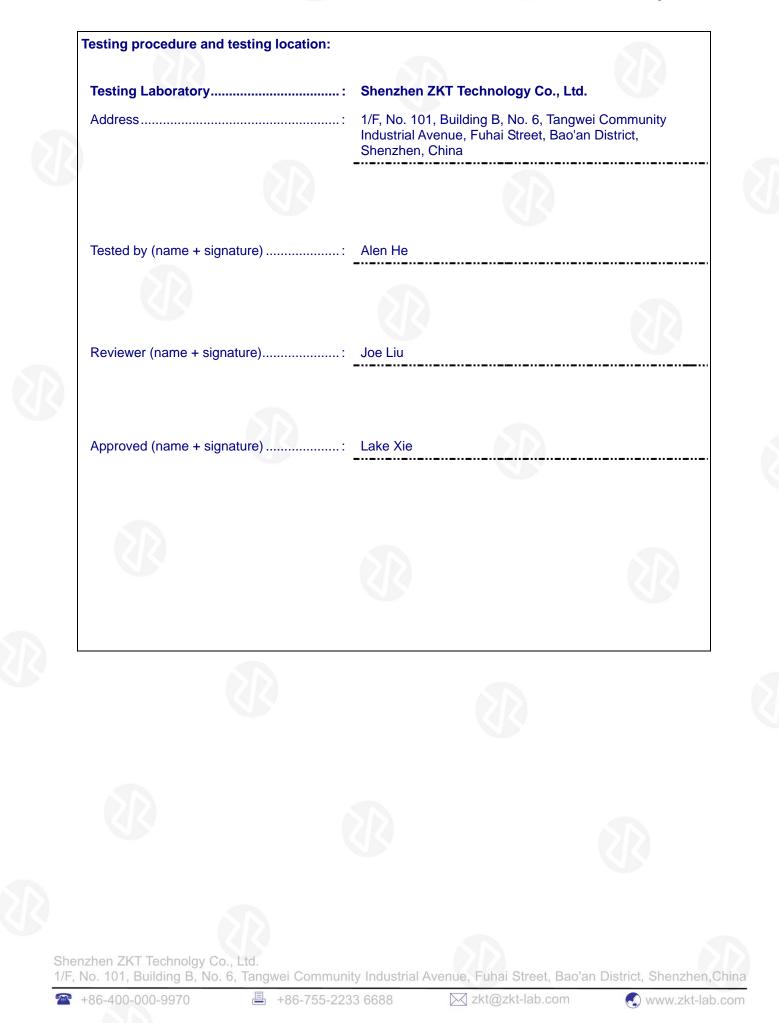




Table of Contents

Page

1. VERSION
2. SUMMARY OF TEST RESULTS
2.1 TEST FACILITY
2.2 MEASUREMENT UNCERTAINTY
3.GENERAL INFORMATION
3.1 GENERAL DESCRIPTION OF EUT
3.2 DESCRIPTION OF TEST MODES
3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED
3.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)
3.5 EQUIPMENTS LIST FOR ALL TEST ITEMS
4. EMC EMISSION TEST
4.1 CONDUCTED EMISSION MEASUREMENT114.1.1 POWER LINE CONDUCTED EMISSION LIMITS114.1.2 TEST PROCEDURE124.1.3 DEVIATION FROM TEST STANDARD124.1.4 TEST SETUP124.1.5 EUT OPERATING CONDITIONS124.1.6 TEST RESULTS12
4.2 RADIATED EMISSION MEASUREMENT.134.2.1 RADIATED EMISSION LIMITS.134.2.2 TEST PROCEDURE144.2.3 TEST SETUP154.2.4 EUT OPERATING CONDITIONS164.2.5 TEST RESULTS165.1 APPLIED PROCEDURES / LIMIT215.2 TEST PROCEDURE215.3 DEVIATION FROM STANDARD215.4 TEST SETUP215.5 EUT OPERATION CONDITIONS215.6 TEST RESULTS21
6. CALCULATION OF AVERAGE FACTOR
7. DWELL TIME
7.1 APPLICABLE STANDARD
7.2 TEST PROCEDURE
7.5 EUT OPERATION CONDITIONS
7.6 TEST RESULTS





Project No.: ZKT-220223L1000E Page 4 of 27

Table of Contents

Page

8. ANTENNA REQUIREMENT	
8.1 STANDARD REQUIREMENT	错误!未定义书签。
8.2 EUT ANTENNA	错误!未定义书签。
9. EUT PHOTOGRAPHS	







1. VERSION

	Report No.	Version	Description	Approved
	ZKT-220223L1000E	Rev.01	Initial issue of report	Mar. 03, 2022
h				





2. 1SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.231) , Subpart C							
Standard Section	lest Item						
15.207	Conducted Emission	PASS					
15.209,15.231b	15.209,15.231b Fundamental &Radiated Spurious Emission Measurement						
15.231c	Occupy Bandwidth	PASS					
15.231a	Dwell time	PASS					
15.203	Antenna Requirement	PASS	$\langle S S \rangle$				



NOTE:

(1)" N/A" denotes test is not applicable in this Test Report









2.11.1 TEST FACILITY

Shenzhen ZKT Technology Co., Ltd. Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 692225 Designation Number: CN1299 IC Registered No.: 27033

2.21.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y \pm U \cdot where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2 \cdot providing a level of confidence of approximately 95 % \circ

No.	Item	Uncertainty
1.5	3m camber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
2	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
3	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
4	Conducted Adjacent channel power	U=1.38dB
5	Conducted output power uncertainty Above 1G	U=1.576dB
6 Conducted output power uncertainty below 1G		U=1.28dB
7	humidity uncertainty	U=5.3%
8	Temperature uncertainty	U=0.59 ℃
9	Radiated disturbance(30MHz- 1000MHz)	U=4.8dB
10 Radiated disturbance(1GHz- 6GHz)		U=4.9dB
11 Radiated disturbance(1GHz- 18GHz)		U=5.0dB

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3.12.1 GENERAL DESCRIPTION OF EUT

Equipment	The wireless remote control switch
Trade Name	N/A
Model Name	BLS-YL1
Serial Model	N/A
Model Difference	N/A
Hardware version	H1.0
Software version	S1.0
Operation Frequency:	433MHz
Modulation Type:	ASK
Antenna Type:	Ceramic Antenna
Antenna Gain:	0dBi
Ratings	DC 3V











3.22.2 DESCRIPTION OF TEST MODES

For All Emission				
Final Test Mode Description				
Transmitting mode	Keep the EUT in continuously transmitting mode			

Note:

(1) Fully-charged battery is used during the test

3.32.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED Conducted Emission Test



Spurious emissions



3.42.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

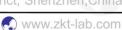
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	The wireless The wireless remote control switch switch	N/A	BLS-YL1	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in [®]Length [』] column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".





3.52.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Rad	Radiation Test equipment							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until		
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	9020A	MY45109572	Sep. 22, 2021	Sep. 21, 2022		
2	Test Receiver (9kHz-7GHz)	R&S	ESCI7	101169	Sep. 22, 2021	Sep. 21, 2022		
3	Bilog Antenna (30MHz-1400MHz)	Schwarzbeck	VULB9168	00877	Sep. 22, 2021	Sep. 21, 2022		
4	Horn Antenna (1GHz-18GHz)	SCHWARZBEC K	BBHA9120D	1541	Sep. 22, 2021	Sep. 21, 2022		
5	Horn Antenna (18GHz-40GHz)	A.H. System	SAS-574	588	Sep. 22, 2021	Sep. 21, 2022		
6	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	N/A	Sep. 22, 2021	Sep. 21, 2022		
7	Amplifier (1GHz-40GHz)	全聚达	DLE-161	097	Sep. 22, 2021	Sep. 21, 2022		
8	Loop Antenna (9KHz-30MHz)	SCHWARZBEC K	FMZB1519B	014	Sep. 22, 2021	Sep. 21, 2022		
9	RF cables1 (9kHz-30MHz)	N/A	9kHz-30MHz	N/A	Sep. 22, 2021	Sep. 21, 2022		
10	RF cables2 (30MHz-1GHz)	N/A	30MHz-1GHz	N/A	Sep. 22, 2021	Sep. 21, 2022		
11	RF cables3 (1GHz-40GHz)	N/A	1GHz-40GHz	N/A	Sep. 22, 2021	Sep. 21, 2022		
12	CMW500 Test	R&S	CMW500	106504	Sep. 22, 2021	Sep. 21, 2022		
13	ESG Signal Generator	Agilent	E4421B	GB40051203	Sep. 22, 2021	Sep. 21, 2022		
14	Signal Generator	Agilent	N5182A	MY47420215	Sep. 22, 2021	Sep. 21, 2022		
15	D.C. Power Supply	LongWei	TPR-6405D	/	\	\		
16	Software	Frad	EZ-EMC	FA-03A2 RE	١			

Radiation Test equipment

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	LISN	R&S	ENV216	101471	Sep. 22, 2021	Sep. 21, 2022
2	LISN	CYBERTEK	EM5040A	E18504001 49	Sep. 22, 2021	Sep. 21, 2022
3	Test Cable	N/A	C01	N/A	Sep. 22, 2021	Sep. 21, 2022
4	Test Cable	N/A	C02	N/A	Sep. 22, 2021	Sep. 21, 2022
5	EMI Test Receiver	R&S	ESRP3	101946	Sep. 22, 2021	Sep. 21, 2022
6	Absorbing Clamp	DZ	ZN23201	N/A	Sep. 22, 2021	Sep. 21, 2022

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Project No.: ZKT-220223L1000E

Page 10 of 27



4. 3EMC EMISSION TEST

4.13.1 CONDUCTED EMISSION MEASUREMENT

	Test Requirement:	FCC Part15 C Section 15.207	
	Test Method:	ANSI C63.10:2013	
SI	Test Frequency Range:	150KHz to 30MHz	
S	Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto	

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

FREQU NCY (MHz)	Limit (Standard	
	Quasi-peak	Average	Stanuaru
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



1



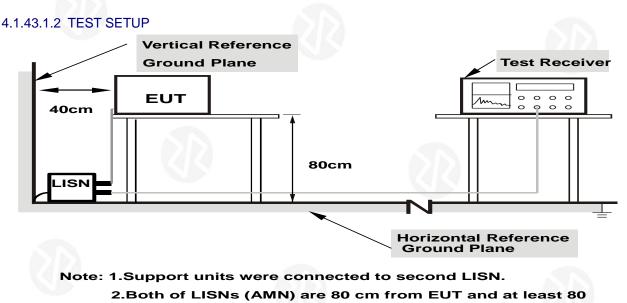




4.1.23.1.1 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.
- 4.1.3 DEVIATION FROM TEST STANDARD

No deviation



from other units and other metal planes

4.1.53.1.3 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.





3.2 4.2 RADIATED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average

4.2.13.2.1 RADIATED EMISSION LIMITS

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.231(b) limit in the table below has to be followed.

Frequencies(MHz) Field Strength(micorvolts/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	

LIMITS OF RADIATED EMISSION MEASUREMENT

	Limit (dBuV/m) (at 3M)		
FREQUENCY (MHz)	PEAK	AVERAGE	
Above 1000	74	54	

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).





FUNDAMENTAL AND HARMONICS EMISSION LIMITS

Fundamental Frequency (MHz)	Field Strength of Fundamental (microvolts/meter)	Field Strength of Spurious Emissions (microvolts/meter)
40.66 - 40.70	2,250	225
70 - 130	1,250	125
130 - 174	1,250 to 3,750 **	125 to 375 **
174 - 260	3,750	375
260 - 470	3,750 to 12,500 **	375 to 1,250 **
Above 470	12,500	1 2 5 0

** linear interpolations

[Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows: for the band 130-174 MHz, μ V/m at 3 meters = 56.81818(F) - 6136.3636; for the band 260-470 MHz, μ V/m at 3 meters = 41.6667(F) - 7083.3333. The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.]

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

Spectrum Parameter	Setting	
Attenuation	Auto	
Start Frequency	1000 MHz	
Stop Frequency	10th carrier harmonic	
RBW / VBW setting	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average	

Receiver Parameter	Setting	
Attenuation	Auto	
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP	
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP	
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP	

4.2.23.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; above 1GHz, the height was 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

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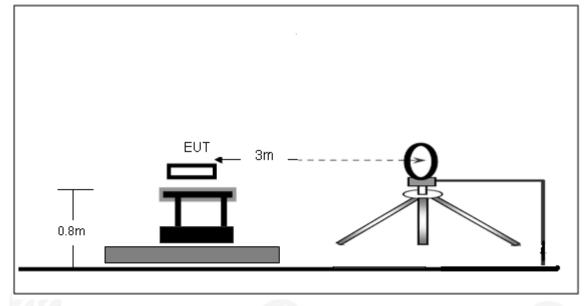
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos. Note:

Both horizontal and vertical antenna polarities were tested

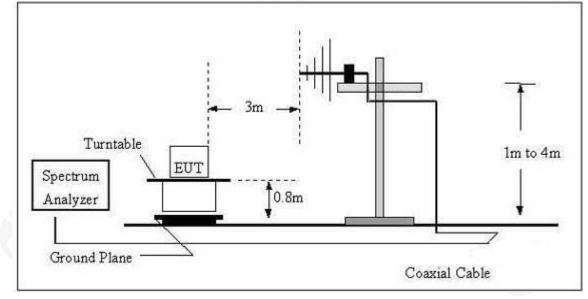
and performed pretest to three orthogonal axis. The worst case was X axis and the emissions were reported

4.2.33.2.3 TEST SETUP

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



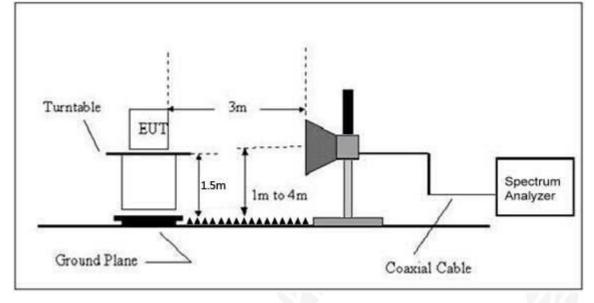
(B) Radiated Emission Test-Up Frequency 30MHz~1GHz







(C) Radiated Emission Test-Up Frequency Above 1GHz



4.2.43.2.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

4.2.53.2.5 TEST RESULTS

Radiated Spurious Emission (Below 9KHz - 30MHz)

Temperature :	26 ℃	Relative Humidity :	54%
Pressure :	101 kPa	Polarization :	
Test Voltage :	DC 3V		212
Test Mode :	TX Mode		

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
			1	PASS
			Ŷ	PASS

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB); Limit line = specific limits(dBuv) + distance extrapolation factor.







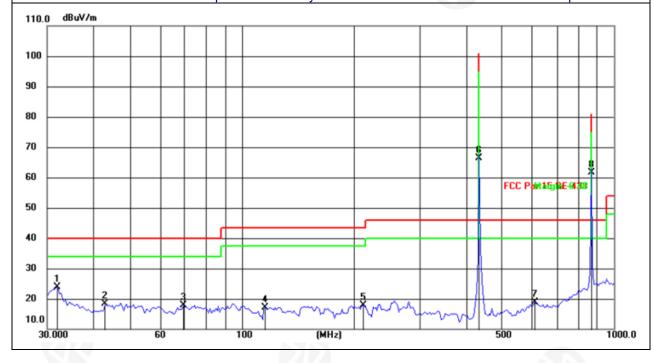
Radiated Spurious Emission (Between 30MHz - 1GHz)

Temperature :	26 ℃	Relative Humidity :	54%
Pressure :	101 kPa	Polarization :	Horizontal
Test Voltage :	DC 3V		
Test Mode :	TX Mode		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
31.8986	42.55	-18.13	24.42	40.00	-15.58	QP
42.9750	35.13	-16.99	18.14	40.00	-21.86	QP
69.6004	37.76	-19.31	18.45	40.00	-21.55	QP
115.7256	38.39	-21.50	16.89	43.50	-26.61	QP
211.8976	39.38	-21.63	17.75	43.50	-25.75	QP
433.0000	82.06	-15.86	66.20	100.80	-34.60	PK
612.0641	28.72	-9.76	18.96	46.00	-27.04	QP
866.0000	65.44	-3.66	61.78	80.80	-19.02	QP

Remarks:

1.Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor 2.The emission levels of other frequencies are very lower than the limit and not show in test report.









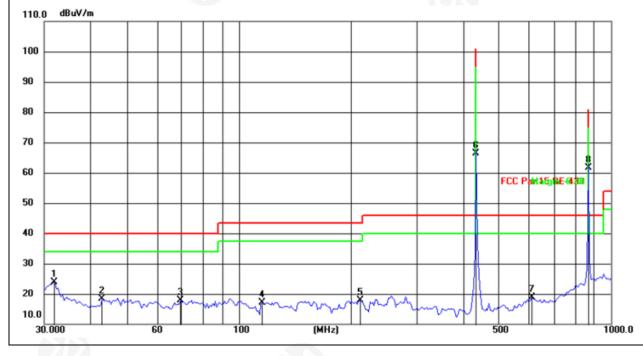
Temperature :	26 ℃	Relative Humidity :	54%
Pressure :	101 kPa	Polarization :	Vertical
Test Voltage :	DC 3V		
Test Mode :	TX Mode	<u> </u>	

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
31.8986	43.01	-18.13	24.88	40.00	-15.12	QP
42.9750	35.88	-16.99	18.89	40.00	-21.11	QP
69.6004	37.26	-19.31	17.95	40.00	-22.05	QP
115.7256	38.70	-21.50	17.20	43.50	-26.30	QP
211.8976	39.14	-21.63	17.51	43.50	-25.99	QP
433.0000	83.75	-15.86	67.89	100.80	-32.91	PK
612.0641	28.24	-9.76	18.48	46.00	-27.52	QP
866.0000	64.26	-3.66	60.60	80.80	-20.20	QP

Remarks:

1.Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

2. The emission levels of other frequencies are very lower than the limit and not show in test report.









For average Emission

Frequency MHz	Peak Level dBuV/m	Duty cycle factor	AverageLevel dBuV/m	Limit AV	Margin	Polarizatio n
433	91.84	-16.95	74.89	80.8	-5.91	Horizontal
866	56.71	-16.95	39.76	60.8	-21.04	Horizontal

Notes: 1. Average emission Level = Peak Level + Duty cycle factor 2.Duty cycle level please see clause 5.

Frequency MHz	Peak Level dBuV/m	Duty cycle factor	AverageLevel dBuV/m	Limit AV	Margin	Polarization
433	80.55	-16.95	63.60	80.8	-17.20	Vertical
866	45.73	-16.95	28.78	60.8	-32.02	Vertical

Notes: 1. Average emission Level = Peak Level + Duty cycle factor

2. Duty cycle level please see clause 5.









Radiated Spurious Emission (1GHz to 10th harmonics)

	Frequency	Peak	Duty	Average	Lir	nit	Margir	n dB	SD
Frequency MHz	Level	cycle	Level	PK	AV	PK	AV	Polarization	
		dBuV/m	factor	dBuV/m		Av	FN	Av	
	1299.00	51.42	-16.77	34.65	80.8	60.8	-29.38	-26.15	Vertical
	1732.00	51.97	-16.77	35.20	80.8	60.8	-28.83	-25.60	Vertical
	2598.00	50.23	-16.77	33.46	80.8	60.8	-30.57	-27.34	Vertical
	3031.00	50.80	-16.77	34.03	80.8	60.8	-30.00	-26.77	Vertical
	3464.00	49.87	-16.77	33.10	80.8	60.8	-30.93	-27.70	Vertical
	3897.00	47.63	-16.77	30.86	80.8	60.8	-33.17	-29.94	Vertical
	1299.00	47.14	-16.77	30.37	80.8	60.8	-33.66	-30.43	Horizontal
	1732.00	47.07	-16.77	30.30	80.8	60.8	-33.73	-30.50	Horizontal
	2598.00	49.61	-16.77	32.84	80.8	60.8	-31.19	-27.96	Horizontal
	3031.00	48.87	-16.77	32.10	80.8	60.8	-31.93	-28.70	Horizontal
	3464.00	47.02	-16.77	30.25	80.8	60.8	-33.78	-30.55	Horizontal
	3897.00	48.17	-16.77	31.40	80.8	60.8	-32.63	-29.40	Horizontal

Notes: 1.Average emission Level = Peak Level + Duty cycle factor

2.Duty cycle level please see clause 6.



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5. 3.2.6BANDWIDTH TEST

5.13.2.1 APPLIED PROCEDURES / LIMIT

According to FCC 15.231(c) requirement:

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating between 70 MHz to 900 MHz. Those devices operating above 900 MHz, the emission spurious shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

B.W (20dBc) Limit = 0.25% * f(MHz) = 0.25% * 433MHz = 1.0825MHz

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	30kHz
VB	≥RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.23.2.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 30kHz, VBW≥ RBW, Sweep time = Auto.

5.33.2.1.2 DEVIATION FROM STANDARD

No deviation.

5.43.2.1.3 TEST SETUP



5.53.2.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



D



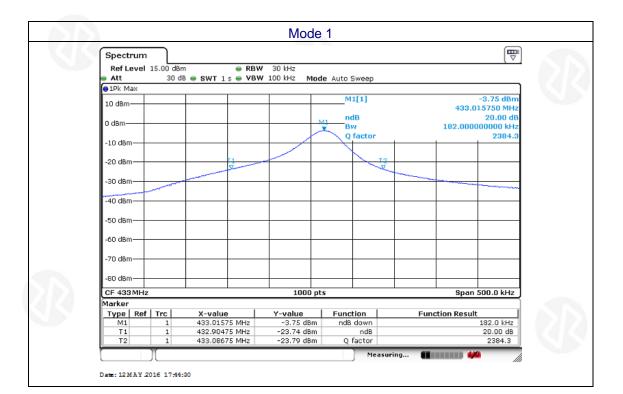




5.63.2.1.5 TEST RESULTS

Temperature :	26 ℃	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 3.7V
Test Mode :	TX Mode		

Frequency	20dB Bandwidth (kHz)	Limit (MHz)	Result
433MHz	182.0	1.0825	PASS



R







6. 4CALCULATION OF AVERAGE FACTOR

The output field strengths of specification in accordance with the FCC rules specify measurements with an average detector. During the test, a spectrum analyzer incorporating a peak detector was used. Therefore, a reduction factor can be applied to the resultant peak signal level and compared to the limit for measurement instrumentation incorporating an average detector.

The duty cycle is measured in 100 ms or the repetition cycle period, whichever is a shorter time frame. The duty cycle is measured by placing the spectrum analyzer to set zero span at 100kHz resolution bandwidth. Averaging factor in dB =20log (duty cycle)

The duration of one cycle =53.995s

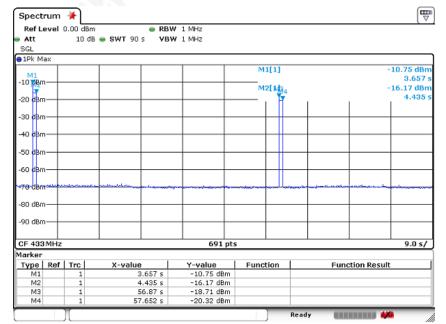
The duty cycle is simply the on-time divided the duration of one cycle

Duty Cycle = 0.783s/ 53.995s=0.0145

Therefore, the averaging factor is found by 20log0.145= -16.77dB

Test plot as follows:

Note: During the test, the amount of pulse and on-time of pulse are the same for every pulse train.



Cycle

Date: 5MAY 2016 11:22:55







7. 5DWELL TIME

7.1 APPLICABLE STANDARD

According to FCC 15.231(a) requirement:

A manually operated transmitter shall employ a switch that will automatically deactivate the

transmitter within not more than 5 seconds of being released.

7.2 TEST PROCEDURE

Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

1.Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.

2.Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.

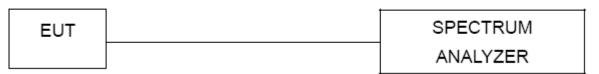
3.Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

4.Repeat above procedures until all measured frequencies were complete.

5.17.3 DEVIATION FROM STANDARD

No deviation.

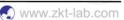
7.45.2 TEST SETUP



7.55.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.





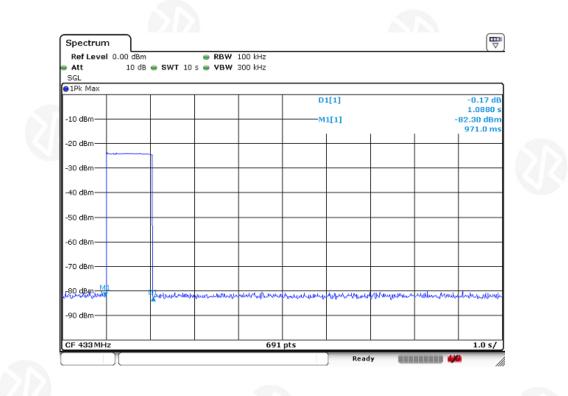




7.65.4 TEST RESULTS

Dwell time (second)	Limit (second)	Result
1.088s	<5s	Pass

Test plot as follows:









			may design the unit s jack or electrical conne	
UT Antenna:	Ceramic Antenna, t	he best case gain of t	he antennas are 0dBi,	reference to the ap
or details				



Project No.: ZKT-220223L1000E Page 27 of 27



9. TEST SETUP PHOTO

Reference to the appendix I for details.

10. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

***** END OF REPORT *****

