



FCC PART 15.231 TEST REPORT

On Behalf of

Dongguan Benzhuo Industrial Co.,Ltd.

11# Han Keng Street, Songbai Road, Yan Wu Village, Da Ling Shan Town, Dongguan
City, Guangdong Province, China

FCC ID: 2A8PD-YK14

Model: YK14, YK08, YK10, YK12, YK16, YK18, YK20

January 19, 2024

This Report Concerns:

☒ Original Report

Equipment Type:

Remote Control Transmitter

Test Engineer:

Charlie He / *Charlie He*

Report Number:

QCT24AR-1173E-01

Test Date:

January 17~18, 2024

Reviewed By:

Gordon Tan / *Gordon Tan*

Approved By:

Kendy Wang / *Kendy Wang*



Prepared By:

Shenzhen QC Testing Laboratory Co., Ltd.

East of 1/F., Building E, Xinghong Science Park, No.111,
Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an
District, Shenzhen, Guangdong, China

Tel: 0755-23008269

Fax: 0755-23726780



Table of Contents

1. GENERAL INFORMATION.....	4
1.1 Product Description for Equipment under Test (EUT)	4
1.2 System Test Configuration	4
1.3 Test Facility.....	5
1.4 Measurement Uncertainty.....	5
2. SUMMARY OF TEST RESULTS	6
3. LIST OF TEST AND MEASUREMENT INSTRUMENTS	7
3.1 Radiated Emission Test.....	7
3.2 RF Conducted test.....	7
4. ANTENNA REQUIREMENT	8
5. RADIATED EMISSION METHOD	9
5.1 Applicable Standard.....	9
5.2 Limit	9
5.3 Receiver setup.....	10
5.4 Test setup.....	10
5.5 Test Procedure	11
5.6 Test Data	12
6. 20DB OCCUPY BANDWIDTH	18
6.1 Applicable Standard.....	18
6.2 Limit	18
6.3 Test setup.....	18
6.4 Test Data	18
7. DWELL TIME	20
7.1 Applicable Standard.....	20
7.2 Limit	20
7.3 Test setup.....	20
7.4 Test Data	20
8. DUTY CYCLE.....	21
8.1 Applicable Standard.....	21
8.2 Limit	21
8.3 Test setup.....	21
8.4 Test Procedure	21
8.5 Test Data	21



Revision History of This Test Report

[illegible]



1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Description	Remote Control Transmitter
Model No.	YK14, YK08, YK10, YK12, YK16, YK18, YK20
Tested Model	YK14, YK20
Sample(s) Status	Engineer sample
Operation Frequency:	433.92 MHz $\pm$ 0.04MHz
Channel numbers:	1
Modulation type:	ASK
Antenna Type:	Internal Antenna
Antenna gain* ¹ :	0dBi
Power supply:	DC 3V (Powered by battery)
Trade Mark:	N/A
Applicant	Dongguan Benzhuo Industrial Co.,Ltd.
Address	11# Han Keng Street, Songbai Road, Yan Wu Village, Da Ling Shan Town, Dongguan City, Guangdong Province, China
Manufacturer	Dongguan Benzhuo Industrial Co.,Ltd.
Address	11# Han Keng Street, Songbai Road, Yan Wu Village, Da Ling Shan Town, Dongguan City, Guangdong Province, China
Sample No.	YK14: Y24A1173E01YN YK20: Y24A1173E02YN

Note: *¹This information provided by Manufacturer, SZ QC Lab is not responsible for the accuracy of this information.

1.2 System Test Configuration

1.2.1 Support Equipment

N/A

1.2.2 Test mode and voltage

Transmitting mode: Keep the EUT in continuously transmitting.

Test voltage: DC 3V



1.3 Test Facility

Test Firm : Shenzhen QC Testing Laboratory Co., Ltd.

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19. The testing quality system of our laboratory meets with ISO/IEC-17025 requirements. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS – Registration No.: L8464

The EMC Laboratory has been accredited by CNAS, and in compliance with ISO/IEC 17025:2017 General Requirements for testing Laboratories.

A2LA Certificate Number: 6759.01

The EMC Laboratory has been accredited by A2LA, and in compliance with ISO/IEC 17025:2017 General Requirements for testing Laboratories.

FCC Registration Number: 561109

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission.

IC Registration Number: 29628

CAB identifier: CN0141

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada.

1.4 Measurement Uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	$\pm 1.42 \times 10^{-4}\%$
RF output power, conducted	$\pm 1.06\text{dB}$
Power Spectral Density, conducted	$\pm 1.06\text{dB}$
Unwanted Emissions, conducted	$\pm 2.51\text{dB}$
AC Power Line Conducted Emission	$\pm 1.80\text{dB}$
Radiated Spurious Emission test (9kHz-30MHz)	$\pm 2.66\text{dB}$
Radiated Spurious Emission test (30MHz-1000MHz)	$\pm 4.04\text{dB}$
Radiated Spurious Emission test (1000MHz-18000MHz)	$\pm 4.70\text{ dB}$
Radiated Spurious Emission test (18GHz-40GHz)	$\pm 4.80\text{dB}$
Temperature	$\pm 0.8^{\circ}\text{C}$
Humidity	$\pm 3.2\%$
DC and low frequency voltages	$\pm 0.1\%$
Time	$\pm 5\%$
Duty cycle	$\pm 5\%$

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



2. Summary of Test Results

Test Item	Section	Result
Antenna Requirement	15.203	Pass
Conduction Emission	15.207	N/A
Field strength of the Fundamental Signal	15.231 (b)	Pass
Spurious Emissions	15.231 (b)/15.209	Pass
20dB Bandwidth	15.231 (c)	Pass
Dwell Time	15.231 (a)(1)	Pass

Note:

1. Pass: The EUT complies with the essential requirements in the standard.
2. Test according to ANSI C63.10:2013
- 3.. All indications of Pass/Fail in this report are opinions expressed by Shenzhen QC Testing Laboratory Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.



3. List of Test and Measurement Instruments

3.1 Radiated Emission Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1.	Spectrum Analyzer	ROHDE&SCHWARZ	FSV 40	101458	2023.04.12	2024.04.11
2.	Loop Antenna	EMCO	6502	2133	2022.07.23	2024.07.22
3.	Logarithmic compound broadband Antenna	SCKWARZBECK	VULB9168	VULB9168-1-588	2023.04.01	2025.03.31
4.	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESIB 7	2277573376	2023.04.12	2024.04.11
5.	EMI Test Receiver	R&S	ESPI	101131	2023.03.21	2024.03.20
6.	Horn Antenna	SCHWARZBECK	BBHA9120D	02069	2023.04.01	2025.03.31
7.	Horn Antenna	COM-MW	ZLB7-18-40G-950	12221225	2023.01.12	2025.01.09
8.	Amplifier	R&S	BBV9721	9721-031	2023.03.21	2024.03.20
9.	Amplifier	HPX	BP-01G-18G	210902	2023.03.21	2024.03.20
10.	Pre-amplifier	COM-MW	DLAN-18000-40000-02	10229104	2023.01.11	2024.01.10
11.	966 Chamber	ZhongYu Electron	9*6*6	/	2022.07.25	2025.07.24
Radiated Emission Measurement Software: EZ EMC						

3.2 RF Conducted test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1.	Wideband Radio Communication Tester	Rohde & Schwarz	CW500	151583	2023.03.21	2024.03.20
2.	Spectrum Analyzer	ROHDE&SCHWARZ	FSV 40	101458	2023.04.12	2024.04.11
3.	Signal Generator	Agilent	N5182A	MY50141563	2023.03.21	2024.03.20
4.	RF Automatic Test System	MW	MW100-RFCB/MW100-PSB	MW2007004	2023.03.21	2024.03.20
RF Conducted Measurement Software: MTS 8310						



4. Antenna requirement

Standard requirement: FCC Part15 C Section 15.203

15.203 requirement:

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, 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.

EUT Antenna: The antenna is Internal Antenna, reference to the Internal Photos for details.

5. Radiated Emission Method

5.1 Applicable Standard

FCC Part15 C Section 15.231 (b)& Section 15.209

5.2 Limit

In addition to the provisions of Section 15.205, the field strength of emissions from intentional radiators operated under this Section shall not exceed the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental (microvolt/meter) at 3m	Field Strength of Spurious Emissions (microvolt/meter) at 3m
40.66~40.70	2250	225
70~130	1250	125
130~174	1250 to 3750(**)	125 to 375(**)
174~260	3750	375
260~470	3750 to 12500(**)	375 to 1250(**)
Above 470	12500	1250

** Linear interpolations, the formulas for calculating the maximum permitted fundamental field strengths are as follows:

- (1) for the band 130~174 MHz, $\mu\text{V/m}$ at 3 meters= $56.81818(F)-6136.3636$;
- (2) for the band 260~470 MHz, $\mu\text{V/m}$ at 3 meter= $41.6667(F)-7083.3333$.
- (3) The maximum permitted unwanted emissions level is 20 dB below the maximum permitted fundamental level. In addition field strength of any emissions which appear inside of the restriction band shall not exceed the general radiated emissions limits in FCC Part15.209.

Frequency (MHz)	Field Strength (microvolt/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

Note:

- (1) The tighter limit applies at the band edges.
- (2) For above 30MHz:
Emission Level(dBuV/m)=20log Emission Level($\mu\text{V/m}$)
For 0.009~0.490MHz:

Emission Level(dBuV/m)=20log Emission Level(uV/m) +40log(300/3)

For 0.049~30MHz:

Emission Level(dBuV/m)=20log Emission Level(uV/m) +40log(30/3)

So the field strength of emission limits have been calculated in below table.

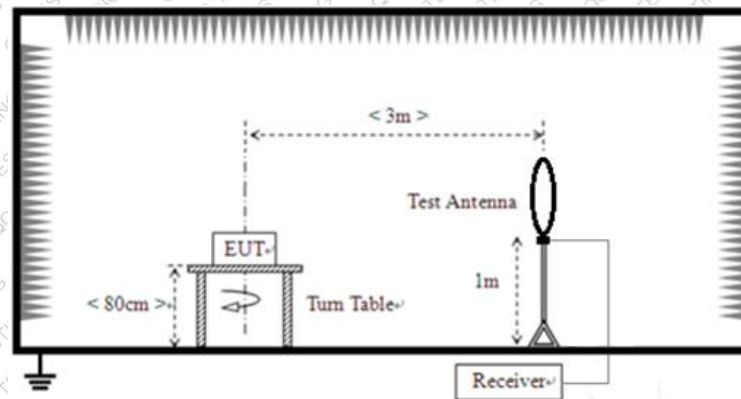
Fundamental Frequency (MHz)	Field Strength of Fundamental (microvolt/meter) at 3m
433.92 MHz	80.82 (Average)
433.92 MHz	100.82 (Peak)

5.3 Receiver setup

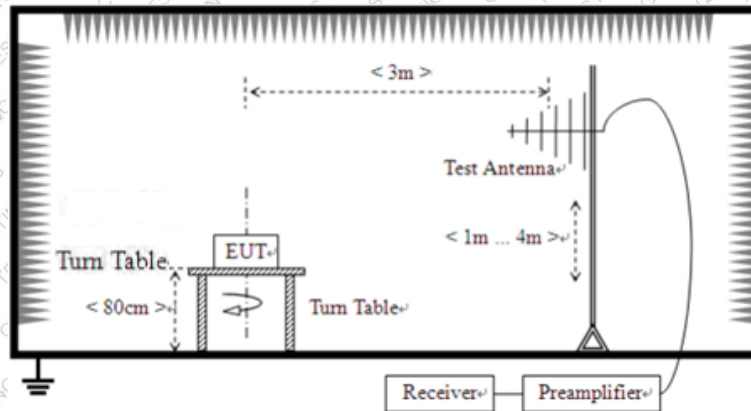
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

5.4 Test setup

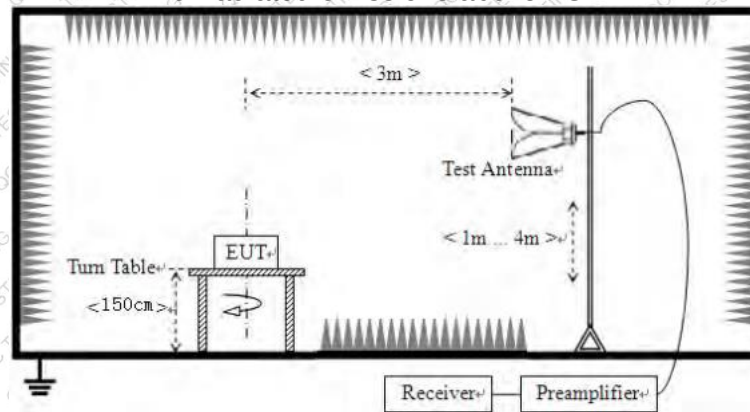
For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



5.5 Test Procedure

1. The EUT was placed on the top of a rotating table (0.8 meters for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height 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 set to make the measurement.
4. 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 rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.



5.6 Test Data

Temperature	23.5 °C	Humidity	48%
ATM Pressure	101.1kPa	Antenna Gain	0dBi
Test by	Charlie He	Test result	PASS

Measurement data:

9 kHz ~ 30 MHz

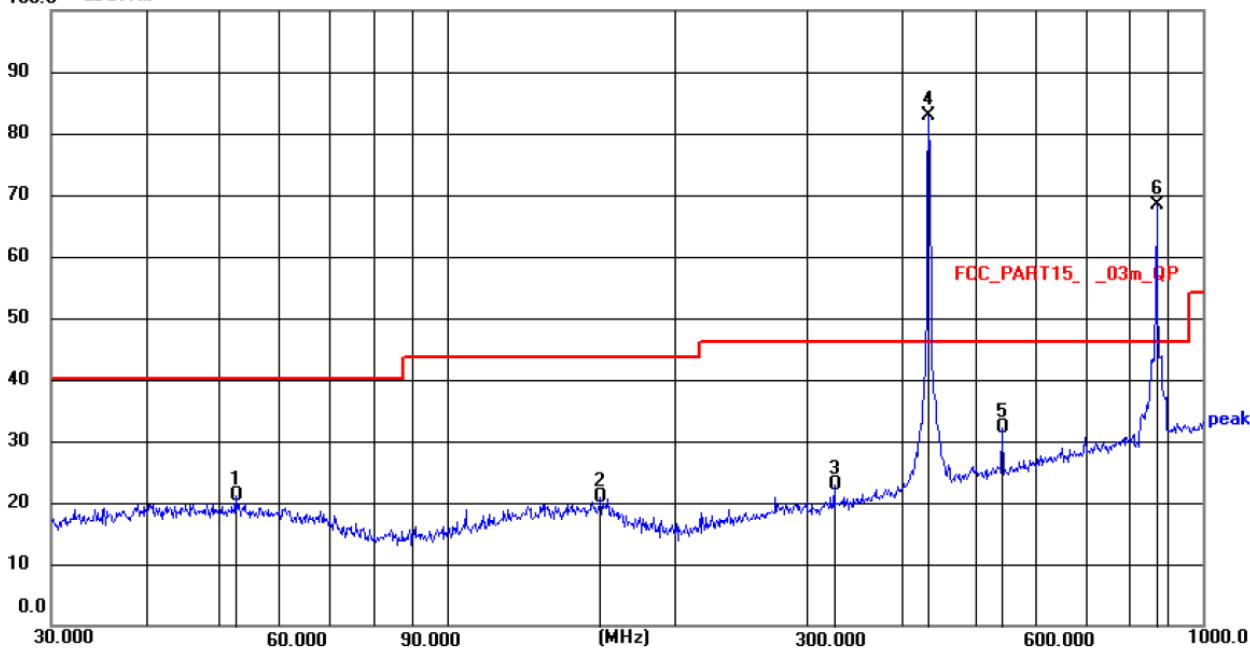
The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Model: YK14

Below 1GHz:

Horizontal

100.0 dBuV/m

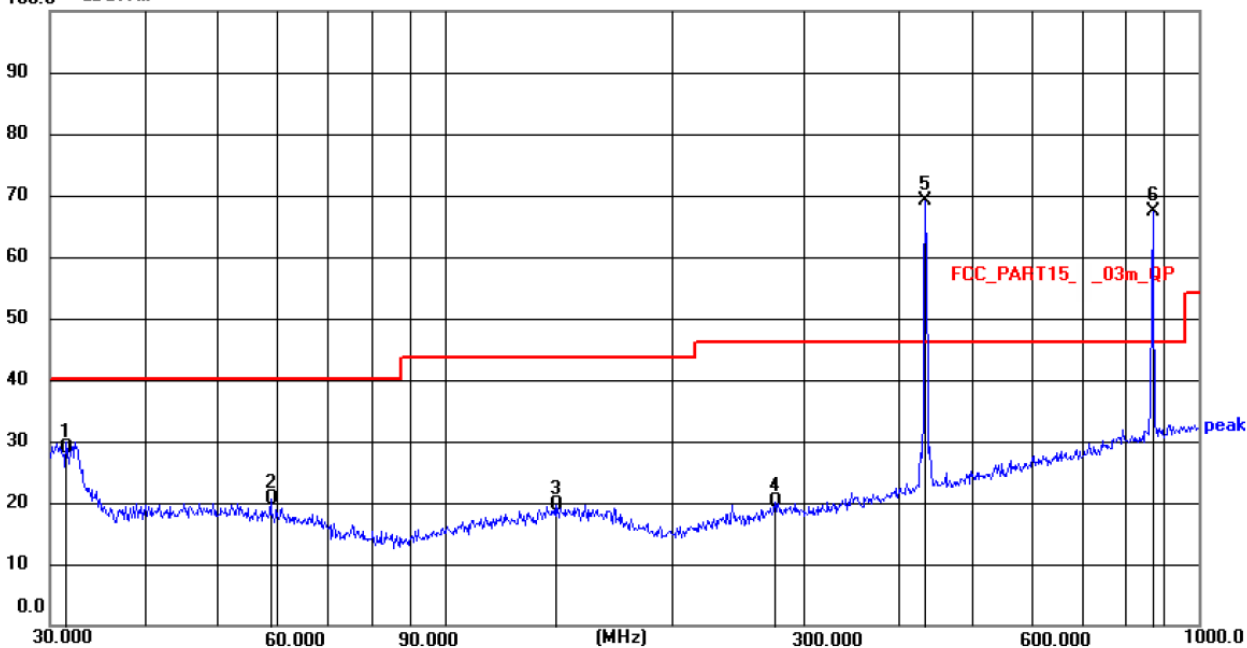


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	52.5752	6.79	14.45	21.24	40.00	18.76	QP
2	159.7844	6.10	14.72	20.82	43.50	22.68	QP
3	325.5957	7.60	15.39	22.99	46.00	23.01	QP
4	433.92	64.43	18.57	83.00	100.82	17.82	peak
5	543.2740	11.46	20.56	32.02	46.00	13.98	QP
6	867.84	42.46	25.89	68.35	80.82	12.47	peak



Vertical

100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.5091	16.15	12.73	28.88	40.00	11.12	QP
2	58.8185	6.89	13.69	20.58	40.00	19.42	QP
3	140.3420	5.29	14.31	19.60	43.50	23.90	QP
4	274.1938	5.94	14.29	20.23	46.00	25.77	QP
5	433.92	50.75	18.27	69.02	100.82	31.8	peak
6	867.84	41.55	25.71	67.26	80.82	13.56	peak



Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Average Factor	Result (dB μ V/m)		Limit (dB μ V/m)		Margin (dB)		Polarization
	PEAK	(dB)	(dB)	AV	PEAK	AV	PEAK	AV	PEAK	
867.84	42.46	25.89	-9.9	58.45	68.35	60.82	80.82	2.37	12.47	Horizontal
867.84	41.55	25.71	-9.9	57.36	67.26	60.82	80.82	3.46	13.56	Vertical

Above 1G:

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Average Factor	Result (dB μ V/m)		Limit (dB μ V/m)		Margin (dB)		Polarization
	PEAK	(dB)	(dB)	AV	PEAK	AV	PEAK	AV	PEAK	
1301.76	76.61	-15.15	-9.9	51.56	61.46	54	74	2.44	12.54	Horizontal
1735.68	80.4	-13.98	-9.9	56.52	66.42	60.82	80.82	4.3	14.4	
2169.6	67.38	-11.57	-9.9	45.91	55.81	60.82	80.82	14.91	25.01	
2603.52	66.46	-10.17	-9.9	46.39	56.29	60.82	80.82	14.43	24.53	
3037.44	65.55	-8.56	-9.9	47.09	56.99	60.82	80.82	13.73	23.83	
3471.36	53.43	-7.81	-9.9	35.72	45.62	60.82	80.82	25.1	35.2	
3905.28	54.81	-6.98	-9.9	37.93	47.83	54	74	16.07	26.17	Vertical
4339.2	56.74	-5.88	-9.9	40.96	50.86	54	74	13.04	23.14	
1301.76	76.5	-15.15	-9.9	51.45	61.35	54	74	2.55	12.65	
1735.68	72.48	-13.98	-9.9	48.6	58.5	60.82	80.82	12.22	22.32	
2169.6	59.72	-11.57	-9.9	38.25	48.15	60.82	80.82	22.57	32.67	
2603.52	64.35	-10.17	-9.9	44.28	54.18	60.82	80.82	16.54	26.64	

Field Strength of The Fundamental Signal

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Average Factor	Result (dB μ V/m)		Limit (dB μ V/m)		Margin (dB)		Polarization
	PEAK	(dB)	(dB)	AV	PEAK	AV	PEAK	AV	PEAK	
433.92	64.43	18.57	-9.9	73.1	83	80.82	100.82	7.72	17.82	Horizontal
433.92	50.75	18.27	-9.9	59.12	69.02	80.82	100.82	21.7	31.8	Vertical

Remarks:

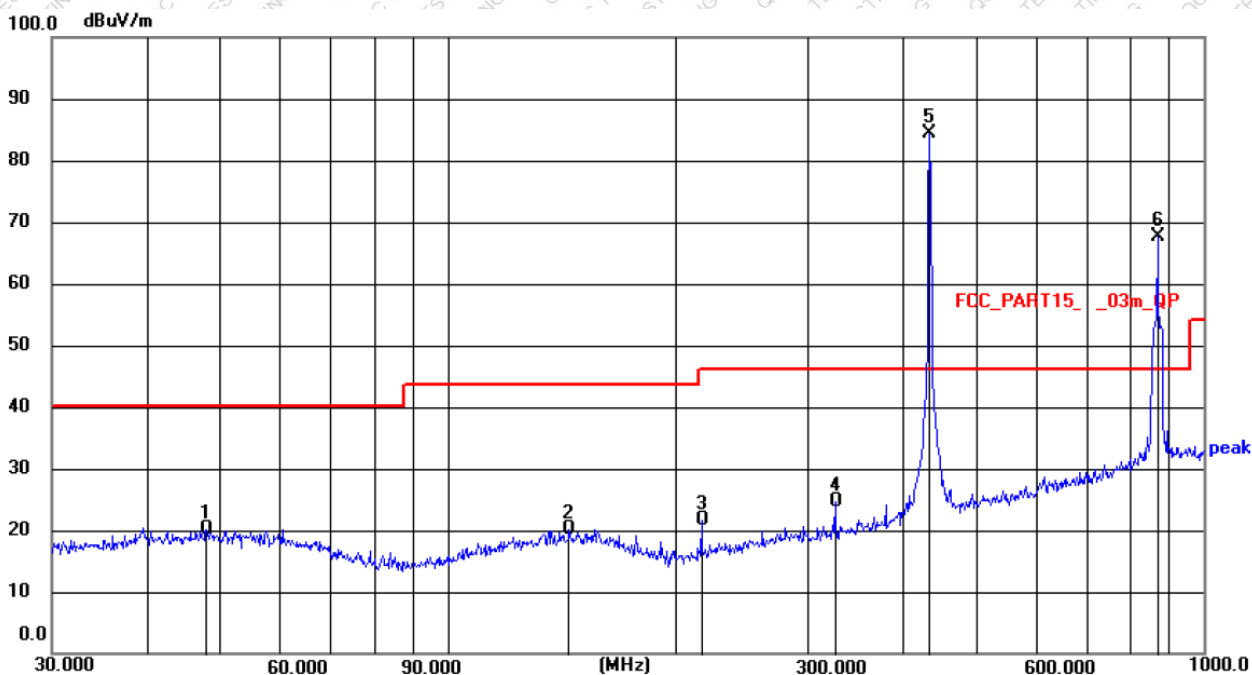
1. Level = Reading + Factor
2. Average value=Peak value + Duty cycle factor



Model: YK20

Below 1GHz:

Horizontal

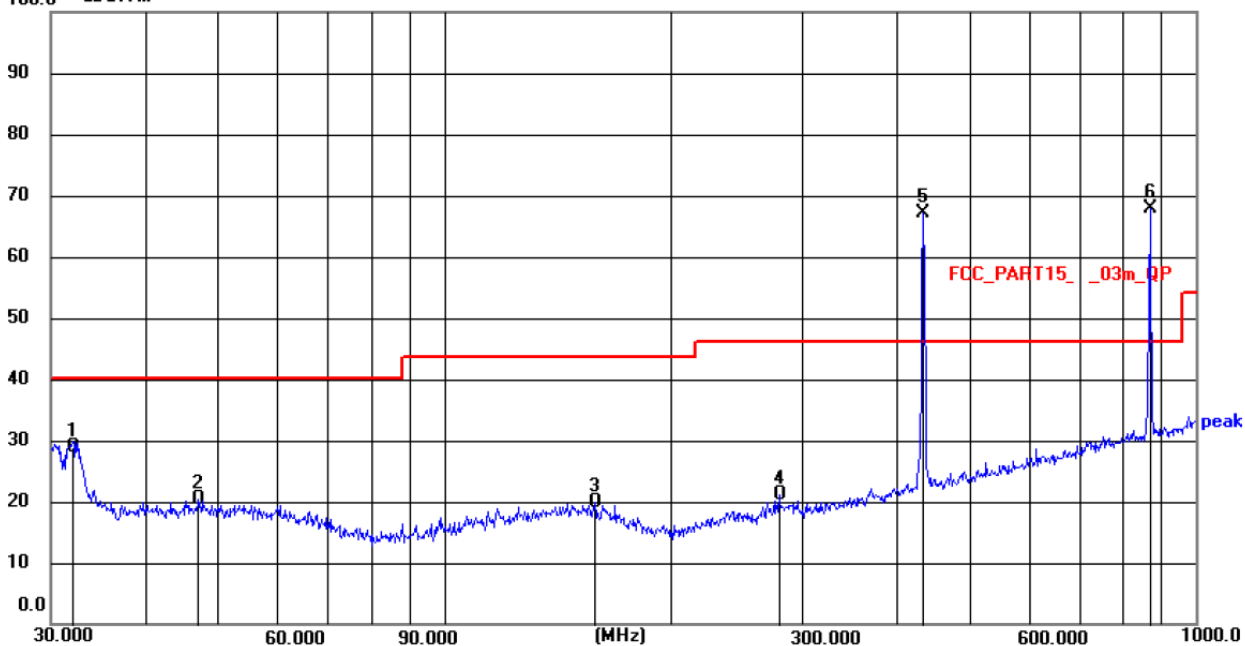


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	47.9938	5.55	14.67	20.22	40.00	19.78	QP
2	144.8417	5.72	14.48	20.20	43.50	23.30	QP
3	216.7828	9.43	12.18	21.61	46.00	24.39	QP
4	325.5957	9.18	15.39	24.57	46.00	21.43	QP
5	433.92	65.80	18.57	84.37	100.82	16.45	peak
6	867.84	41.65	25.89	67.54	80.82	13.28	peak



Vertical

100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	32.0667	16.00	12.84	28.84	40.00	11.16	QP
2	47.1597	5.79	14.49	20.28	40.00	19.72	QP
3	158.6673	5.36	14.41	19.77	43.50	23.73	QP
4	279.0436	6.44	14.67	21.11	46.00	24.89	QP
5	433.92	48.95	18.27	67.22	100.82	33.6	peak
6	867.84	42.19	25.71	67.90	80.82	12.92	peak



Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Average Factor	Result (dB μ V/m)		Limit (dB μ V/m)		Margin (dB)		Polarization
	PEAK	(dB)	(dB)	AV	PEAK	AV	PEAK	AV	PEAK	
867.84	41.65	25.89	-9.9	57.64	67.54	60.82	80.82	3.18	13.28	Horizontal
867.84	42.19	25.71	-9.9	58	67.9	60.82	80.82	2.82	12.92	Vertical

Above 1G:

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Average Factor	Result (dB μ V/m)		Limit (dB μ V/m)		Margin (dB)		Polarization
	PEAK	(dB)	(dB)	AV	PEAK	AV	PEAK	AV	PEAK	
1301.76	75.99	-15.15	-9.9	50.94	60.84	54	74	3.06	13.16	Horizontal
1735.68	81.16	-13.98	-9.9	57.28	67.18	60.82	80.82	3.54	13.64	
2169.6	70.57	-11.57	-9.9	49.1	59	60.82	80.82	11.72	21.82	
2603.52	60.8	-10.17	-9.9	40.73	50.63	60.82	80.82	20.09	30.19	
3037.44	57.54	-8.56	-9.9	39.08	48.98	60.82	80.82	21.74	31.84	
3471.36	56.05	-7.81	-9.9	38.34	48.24	60.82	80.82	22.48	32.58	
3905.28	54.48	-6.98	-9.9	37.6	47.5	54	74	16.4	26.5	
4339.2	52.91	-5.88	-9.9	37.13	47.03	54	74	16.87	26.97	Vertical
1301.76	73.9	-15.15	-9.9	48.85	58.75	54	74	5.15	15.25	
1735.68	71.51	-13.98	-9.9	47.63	57.53	60.82	80.82	13.19	23.29	
2169.6	62.66	-11.57	-9.9	41.19	51.09	60.82	80.82	19.63	29.73	

Field Strength of The Fundamental Signal

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Average Factor	Result (dB μ V/m)		Limit (dB μ V/m)		Margin (dB)		Polarization
	PEAK	(dB)	(dB)	AV	PEAK	AV	PEAK	AV	PEAK	
433.92	65.8	18.57	-9.9	74.47	84.37	80.82	100.82	6.35	16.45	Horizontal
433.92	48.95	18.27	-9.9	57.32	67.22	80.82	100.82	23.5	33.6	Vertical

Remarks:

- Level = Reading + Factor
- Average value = Peak value + Duty cycle factor

6. 20dB Occupy Bandwidth

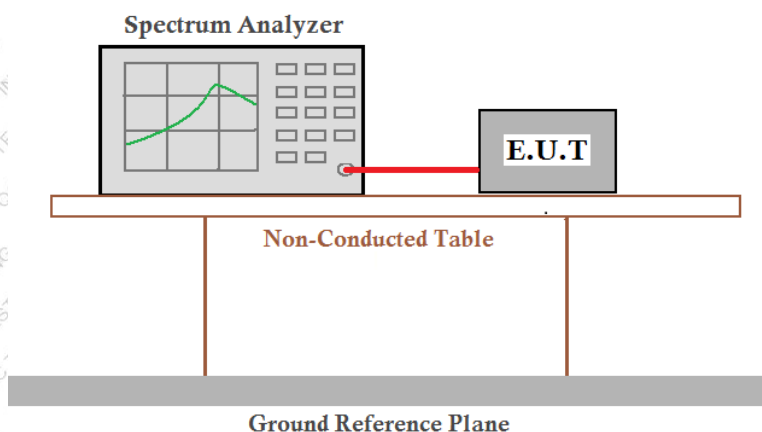
6.1 Applicable Standard

FCC Part15 C Section 15.231 (c)

6.2 Limit

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

6.3 Test setup



6.4 Test Data

Temperature	23.5 °C	Humidity	48%
ATM Pressure	101.1kPa	Antenna Gain	0dBi
Test by	Charlie He	Test result	PASS

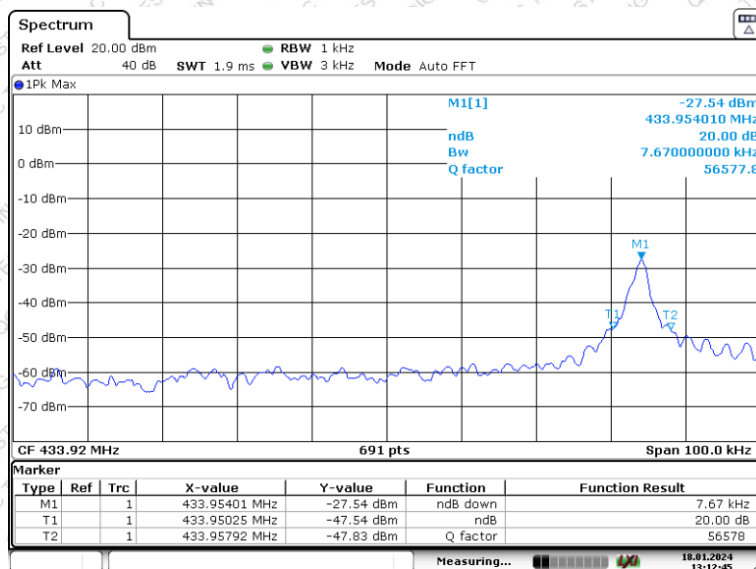
Please refer to following table and plots.



Test Frequency (MHz)	20dB bandwidth (MHz)	Limit (MHz)	Result
433.92	0.0077	1.085	Pass

Note: Limit= Fundamental frequency×0.25%
 $433.92 \times 0.25\% = 1.085\text{MHz}$

Test plot as follows:



Date: 18. JAN.2024 13:12:46



7. Dwell Time

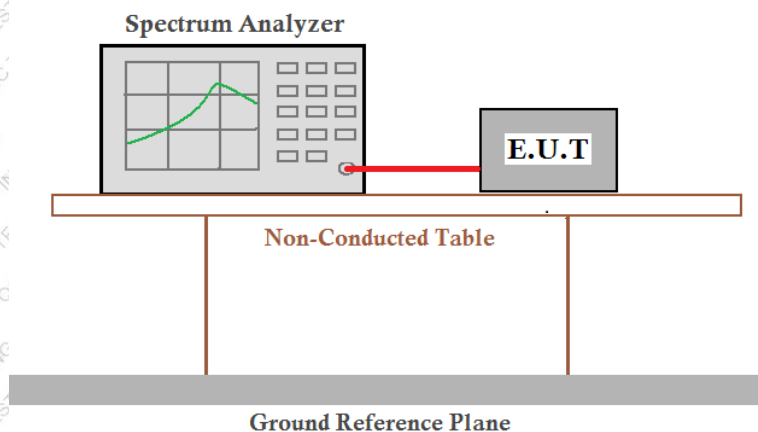
7.1 Applicable Standard

FCC Part15 C Section 15.231 (a)(1)

7.2 Limit

Not more than 5 seconds.

7.3 Test setup

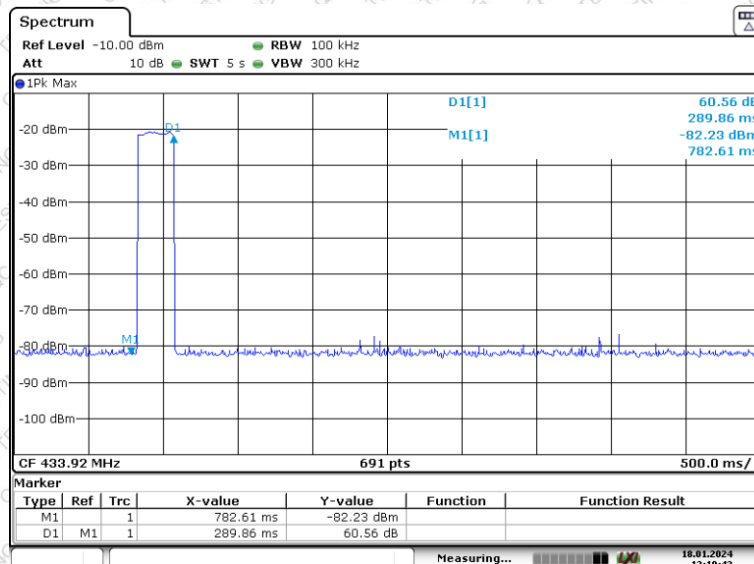


7.4 Test Data

Temperature	23.5 °C	Humidity	48%
ATM Pressure	101.1kPa	Antenna Gain	0dBi
Test by	Charlie He	Test result	PASS

Please refer to following table and plots.

Frequency (MHz)	Duration of each TX (second)	Limit (second)	Result
433.92	0.290	<5.0	Pass



Date: 18. JAN 2024 13:19:43

8. Duty Cycle

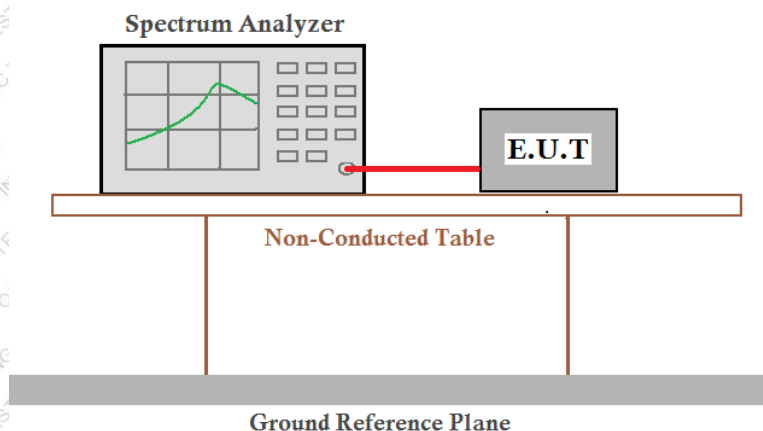
8.1 Applicable Standard

FCC Part15 C Section 15.231

8.2 Limit

No dedicated limit specified in the Rules.

8.3 Test setup



8.4 Test Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set centre frequency of spectrum analyzer=operating frequency.
4. Set the spectrum analyzer as RBW=100kHz, VBW=100KHz, Span=0Hz, Adjust Sweep=100ms to obtain the "worst-case" pulse on time
5. Repeat above procedures until all frequency measured was complete.

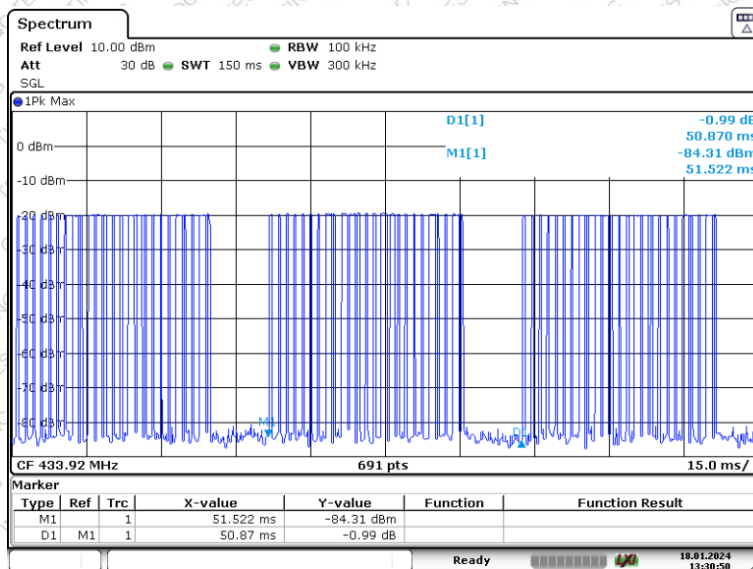
8.5 Test Data

Temperature	23.5 °C	Humidity	48%
ATM Pressure	101.1kPa	Antenna Gain	0dBi
Test by	Charlie He	Test result	PASS

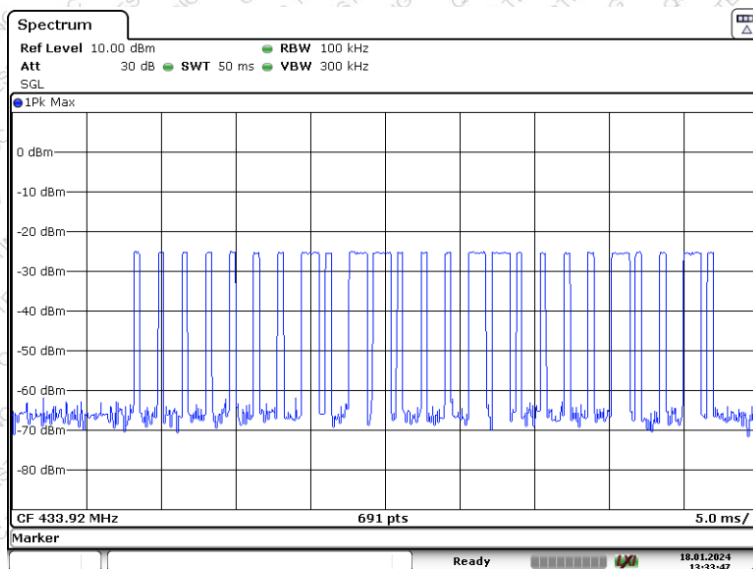
Please refer to following table and plots.

Calculate Formula: Duty cycle factor = $20 \log(\text{Duty cycle})$
Duty cycle = on time / 0.1 seconds or period, whichever is less

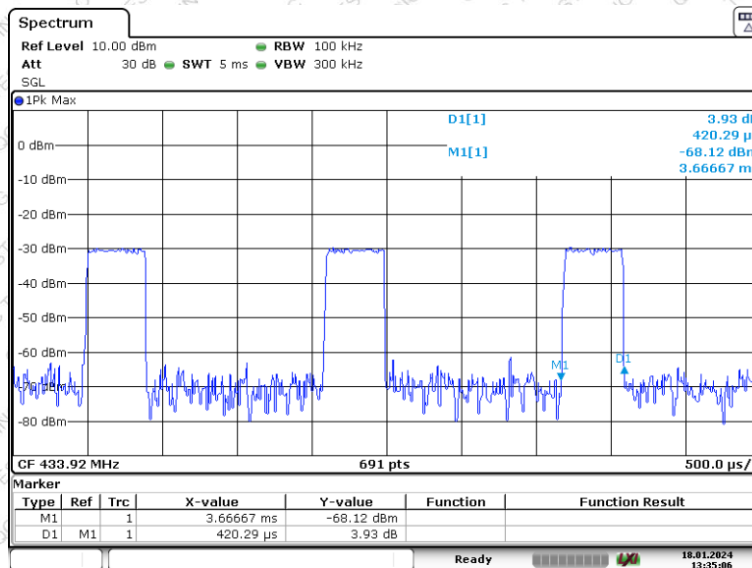
Test data:
T on time = $7 \times 1.23 + 18 \times 0.42 = 16.17(\text{ms})$
T period = $50.87(\text{ms})$
Duty cycle = $16.17 / 50.87 = 32\%$
Duty cycle factor = $20 \log(0.32) = -9.9$



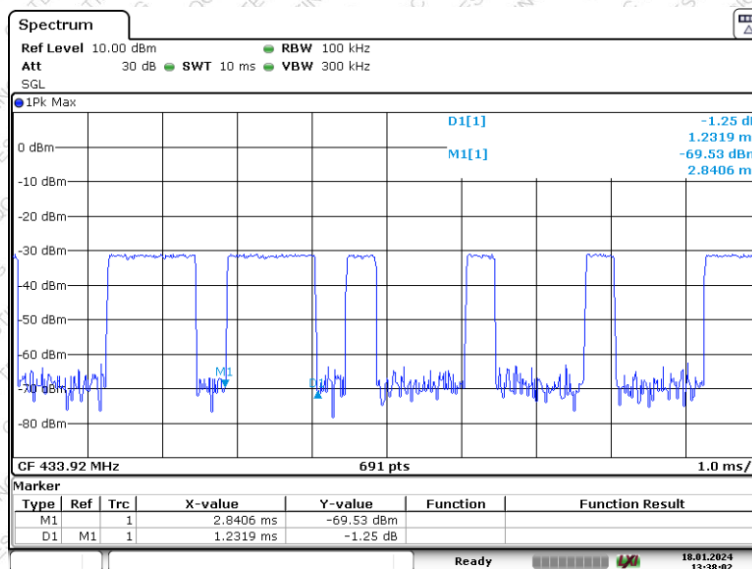
Date: 18. JAN 2024 13:30:51



Date: 18. JAN 2024 13:33:47



Date: 18. JAN 2024 13:35:05



Date: 18. JAN 2024 13:38:02

----- THE END OF TEST REPORT -----