

TEST REPORT

Applicant: Dongguan Benzhuo Industrial Co.,Ltd.

Address of Applicant: 11# Han Keng Street, Songbai Road, Yan Wu Village, Da Ling Shan Town, Dongguan, China

Manufacturer/Factory: Dongguan Benzhuo Industrial Co.,Ltd.

Address of Manufacturer/Factory: 11# Han Keng Street, Songbai Road, Yan Wu Village, Da Ling Shan Town, Dongguan, China

Equipment Under Test (EUT)

Product Name: RF transmitter

Model No.: YK02-1, YK02-2, YK02-4

Trade Mark: N/A

FCC ID: 2A8PD-YK02

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.231

Date of sample receipt: July 4, 2023

Date of Test: July 5~10, 2023

Date of report issued: July 12, 2023

Test Result : PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



The stamp is a red circular seal. The outer ring contains the text 'Global United Technology Services Co., Ltd.' in English and '深圳市环球众一科技有限公司' in Chinese. The inner part of the seal features a red star and the text '检验检测专用章' (Inspection and Testing Special Seal) and 'Inspection/Testing Services'.

Robinson Luo

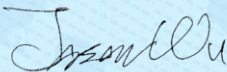
Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	2023-7-12	Original

Prepared By:

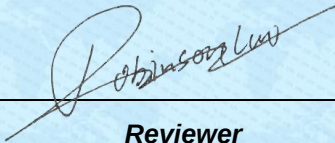


Date:

2023-7-12

Project Engineer

Check By:



Reviewer

Date:

2023-7-12

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4 Test Summary

Test Item	Section in CFR 47	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

Pass: The EUT complies with the essential requirements in the standard.

4.1 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	30MHz-200MHz	3.8039dB	(1)
Radiated Emission	200MHz-1GHz	3.9679dB	(1)
Radiated Emission	1GHz-18GHz	4.29dB	(1)
Radiated Emission	18GHz-40GHz	3.30dB	(1)
20dB Bandwidth	/	3%	(1)

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

5 General Information

5.1 General Description of EUT

Product Name:	RF transmitter
Model No.:	YK02-1, YK02-2, YK02-4
Test Model No.:	YK02-1, YK02-2
Test sample(s) ID:	YK02-1: GTSL2023070127-1, YK02-2: GTSL2023070127-2
Sample(s) Status:	Engineer sample
Operation Frequency:	433.92MHz
Channel Number	1
Modulation technology:	ASK
Antenna Type:	PCB Antenna
Antenna gain:	0dBi
Power supply:	DC 12V, 23A

Remark:

1. Antenna gain information provided by the customer
2. The relevant information of the sample is provided by the entrusting company, and the laboratory is not responsible for its authenticity.

5.2 Test mode

Transmitting mode	Keep the EUT in transmitting mode.
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5.3 Description of Support Units

None.

5.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations: • FCC—Registration No.: 381383 Designation Number: CN5029 Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. • ISED—Registration No.: 9079A CAB identifier: CN0091 The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing • NVLAP (LAB CODE:600179-0) Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).
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5.5 Test Location

All tests were performed at:
Global United Technology Services Co., Ltd. No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102 Tel: 0755-27798480 Fax: 0755-27798960

5.6 Other Information Requested by the Customer

None.

5.7 Deviation from Standards

None.

5.8 Abnormalities from Standard Conditions

None.

5.9 Additional instructions

Software (Used for test) from client

Mode	Special test SW was built-in by manufacturer.
Power set	Default

6 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	June 23, 2021	June 22, 2024
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	April 14, 2023	April 13, 2024
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	March 19, 2023	March 18, 2025
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	April 17, 2023	April 16, 2025
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Coaxial Cable	GTS	N/A	GTS213	April 21, 2023	April 20, 2024
8	Coaxial Cable	GTS	N/A	GTS211	April 21, 2023	April 20, 2024
9	Coaxial cable	GTS	N/A	GTS210	April 21, 2023	April 20, 2024
10	Coaxial Cable	GTS	N/A	GTS212	April 21, 2023	April 20, 2024
11	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	April 14, 2023	April 13, 2024
12	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov. 29, 2022	Nov. 28, 2023
13	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	April 14, 2023	April 13, 2024
14	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	April 14, 2023	April 13, 2024
15	Horn Antenna (18-26.5GHz)	/	UG-598A/U	GTS664	Oct. 30, 2022	Oct. 29, 2023
16	Horn Antenna (26.5-40GHz)	A.H Systems	SAS-573	GTS665	Oct. 30, 2022	Oct. 29, 2023
17	FSV·Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	GTS666	March 13, 2023	March 12, 2024
18	Amplifier	/	LNA-1000-30S	GTS650	April 14, 2023	April 13, 2024
19	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS668	Dec. 20, 2022	Dec.19, 2023
20	Thermo meter	JINCHUANG	GSP-8A	GTS643	April 19, 2023	April 18, 2024

RF Conducted Test:						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	April 14, 2023	April 13, 2024
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 14, 2023	April 13, 2024
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	April 14, 2023	April 13, 2024
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	April 14, 2023	April 13, 2024
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	April 14, 2023	April 13, 2024
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	April 14, 2023	April 13, 2024
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	April 14, 2023	April 13, 2024
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	April 14, 2023	April 13, 2024
9	Thermo meter	JINCHUANG	GSP-8A	GTS641	April 19, 2023	April 18, 2024
10	EXA Signal Analyzer	Keysight	N9010B	MY60241168	Nov. 04, 2022	Nov. 03, 2023

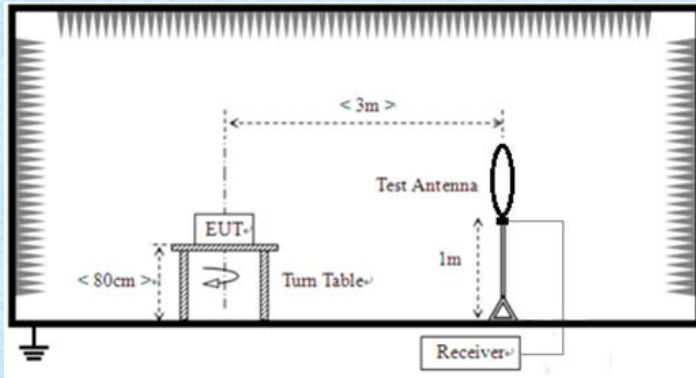
General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Barometer	KUMAO	SF132	GTS647	April 19, 2023	April 18, 2024

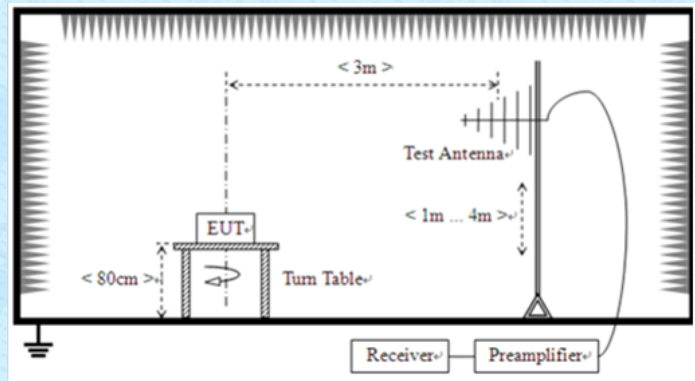
7 Test results and Measurement Data

7.1 Antenna Requirement

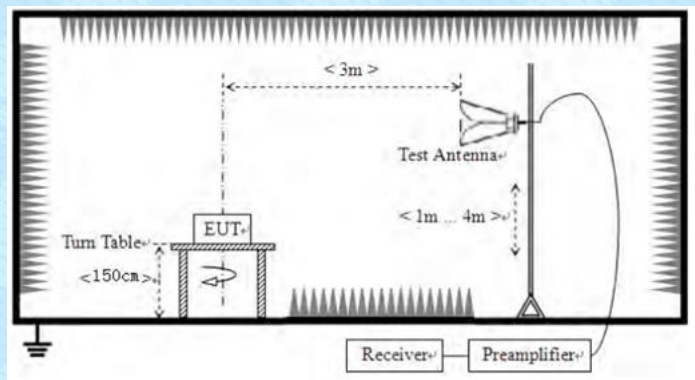
Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling 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 PCB antenna, reference to the appendix II for details.	

7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.231 (b)& Section 15.209					
Test Method:	ANSI C63.10:2013					
Test Frequency Range:	9kHz to 5000MHz					
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	
Limit: (Field strength of the fundamental signal)	Frequency	Limit (dBuV/m @3m)		Remark		
	433.92MHz	100.82		Peak Value		
		80.82		Average Value		
Limit: (Spurious Emissions)	Fundamental Frequency (MHz)		Field Strength of fundamental (microvolts/meter)		Field Strength of Unwanted Emissions (microvolts/meter)	
	40.66-40.70		1,000		100	
	70-130		500		50	
	130-174		500 to 1,500**		50 to 1,50**	
	174-260		1,500		1,50	
	260-470		1,500 to 5,000**		1,50 to 5,00**	
	Above 470		5,000		5,00	
	Frequency (MHz)		Class B(dBuV/m @3m)			
			Peak		Average	
	Above 1000		74		54	
	Or The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level whichever limit permits a higher field strength.					
	Test setup:	Below 30MHz				
						
Test setup:	Below 1GHz					



Above 1GHz



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.

Test Instruments:

Refer to section 6.0 for details

Test mode:

Refer to section 5.2 for details

Test environment:

Temp.: 25 °C Humid.: 50% Press.: 1 010mbar

Test voltage:

DC 12V, 23A

Test results:

Pass

Measurement data:

7.2.1 Field Strength of The Fundamental Signal

Model: YK02-1

Peak value:

Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
433.92	69.64	17.51	87.15	100.82	-13.67	Horizontal
433.92	67.14	17.51	84.65	100.82	-16.17	Vertical

Average value:

Frequency (MHz)	Peak Value (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
433.92	87.15	-11.37	75.78	80.82	-5.04	Horizontal
433.92	84.65	-11.37	73.28	80.82	-7.54	Vertical

Model: YK02-2

Peak value:

Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
433.92	64.14	17.51	81.65	100.82	-19.17	Horizontal
433.92	62.64	17.51	80.15	100.82	-20.67	Vertical

Average value:

Frequency (MHz)	Peak Value (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
433.92	81.65	-11.37	70.28	80.82	-10.54	Horizontal
433.92	80.15	-11.37	68.78	80.82	-12.04	Vertical

Remarks:

1. Final Level =Receiver Read level + Factor
2. Average value=Peak value + Duty cycle factor

7.2.2 Spurious Emissions

Measurement data:

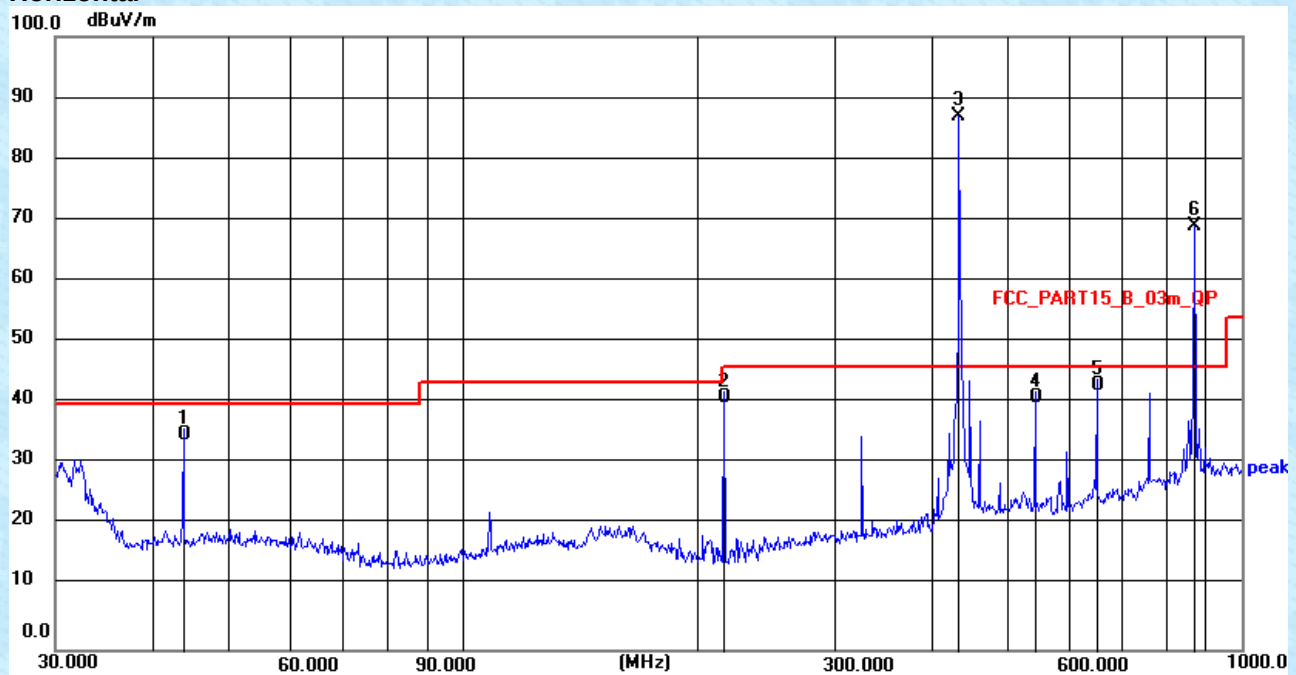
9 kHz ~ 30 MHz

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: YK02-1

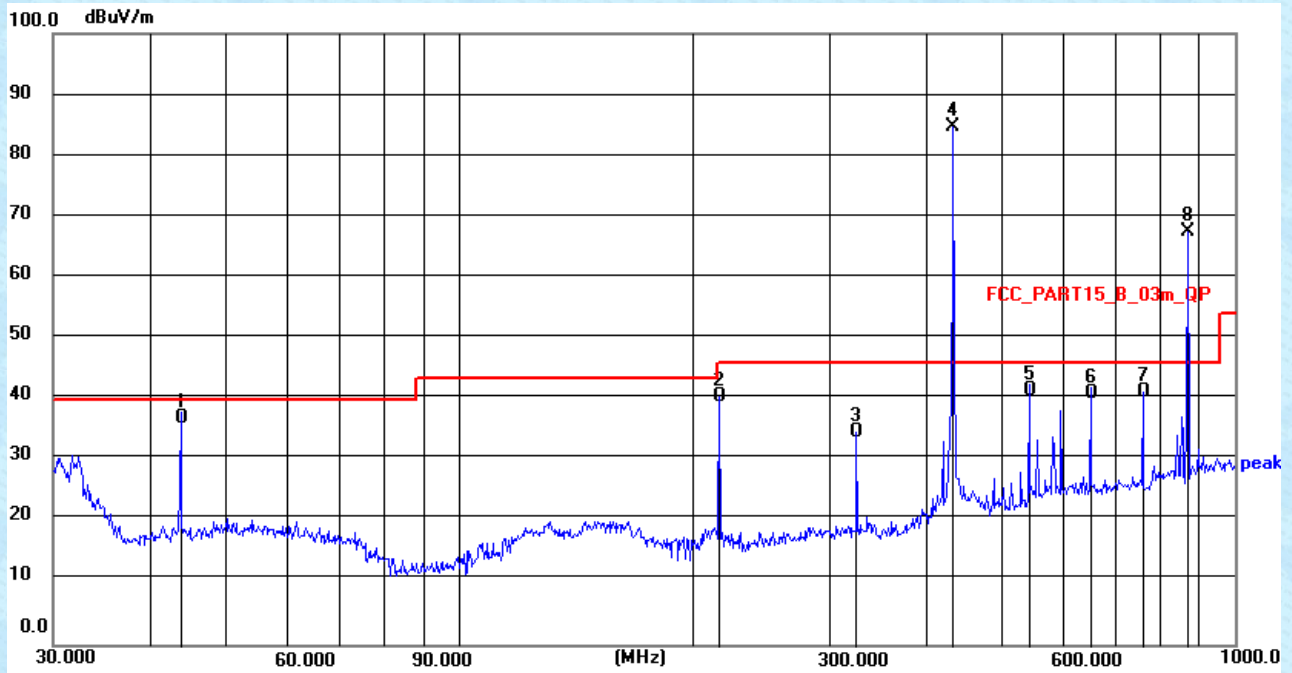
Below 1GHz:

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	43.8119	20.67	14.46	35.13	40.00	4.87	QP
2	216.7828	28.93	12.36	41.29	46.00	4.71	QP
3	433.92	69.64	17.51	87.15	100.82	13.67	peak
4	543.2740	21.87	19.25	41.12	46.00	4.88	QP
5	651.9415	21.63	21.47	43.10	46.00	2.90	QP
6	867.84	45.57	23.55	69.12	80.82	11.7	peak

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	43.8119	22.67	14.46	37.13	40.00	2.87	QP
2	216.7828	28.43	12.36	40.79	46.00	5.21	QP
3	325.5957	19.49	15.31	34.80	46.00	11.20	QP
4	433.92	67.14	17.51	84.65	100.82	16.17	peak
5	543.2740	22.37	19.25	41.62	46.00	4.38	QP
6	651.9415	19.63	21.47	41.10	46.00	4.90	QP
7	760.7033	19.07	22.49	41.56	46.00	4.44	QP
8	867.84	44.07	23.55	67.62	80.82	13.2	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	45.57	23.55	-11.37	57.75	69.12	60.82	80.82	-3.07	-11.7	Horizontal
1301.76	79.53	-15.15	-11.37	53.01	64.38	60.82	80.82	-7.81	-16.44	
1735.68	71.8	-13.98	-11.37	46.45	57.82	60.82	80.82	-14.37	-23	
2169.6	72.95	-11.89	-11.37	49.69	61.06	60.82	80.82	-11.13	-19.76	
2603.52	73.9	-11.57	-11.37	50.96	62.33	60.82	80.82	-9.86	-18.49	
3037.44	63.95	-8.59	-11.37	43.99	55.36	60.82	80.82	-16.83	-25.46	
3471.36	65.03	-7.81	-11.37	45.85	57.22	60.82	80.82	-14.97	-23.6	
3905.28	62.83	-6.98	-11.37	44.48	55.85	60.82	80.82	-16.34	-24.97	
4339.2	56.06	-5.88	-11.37	38.81	50.18	60.82	80.82	-22.01	-30.64	
867.84	44.07	23.55	-11.37	56.25	67.62	60.82	80.82	-4.57	-13.2	Vertical
1301.76	70.94	-15.15	-11.37	44.42	55.79	60.82	80.82	-16.4	-25.03	
1735.68	71.58	-13.98	-11.37	46.23	57.6	60.82	80.82	-14.59	-23.22	
2169.6	70.51	-11.89	-11.37	47.25	58.62	60.82	80.82	-13.57	-22.2	
2603.52	64.35	-11.57	-11.37	41.41	52.78	60.82	80.82	-19.41	-28.04	
3037.44	59.67	-8.59	-11.37	39.71	51.08	60.82	80.82	-21.11	-29.74	
3471.36	61.35	-7.81	-11.37	42.17	53.54	60.82	80.82	-18.65	-27.28	
3905.28	66.4	-6.98	-11.37	48.05	59.42	60.82	80.82	-12.77	-21.4	
4339.2	56.06	-5.88	-11.37	38.81	50.18	60.82	80.82	-22.01	-30.64	

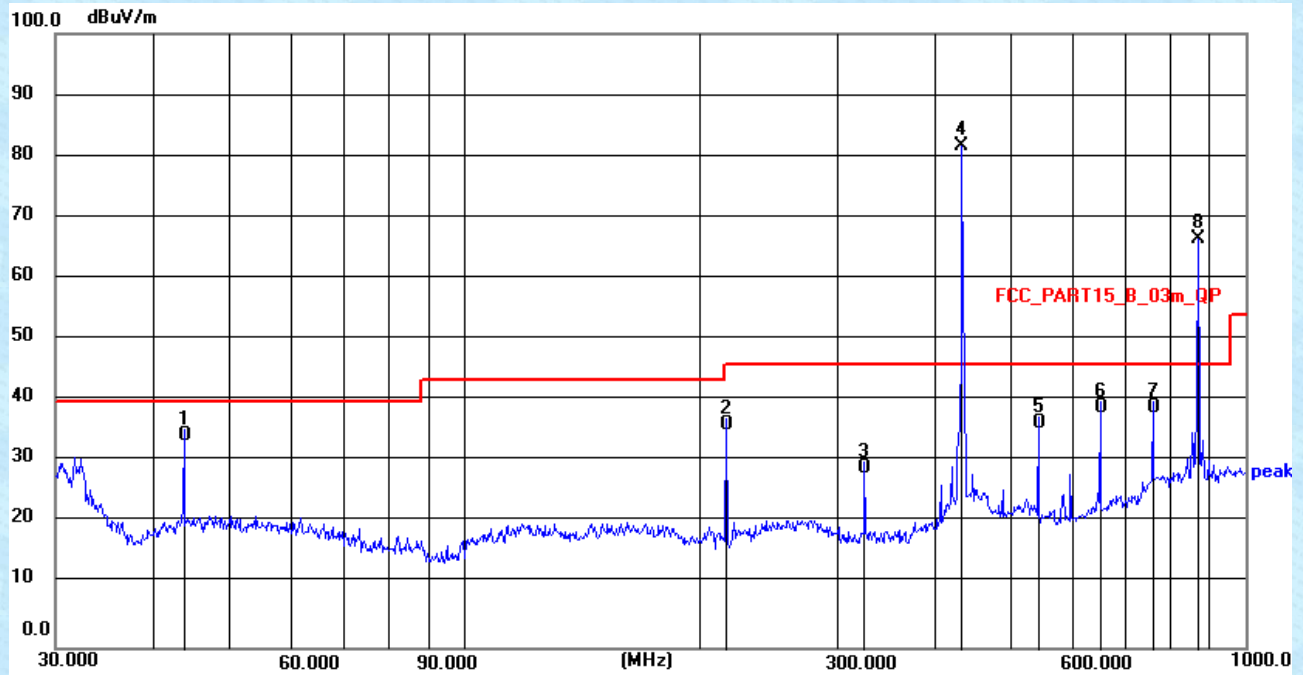
Remarks:

1. Final Level =Receiver Read level + Factor
2. Average value=Peak value + Duty cycle factor

Model: YK02-1

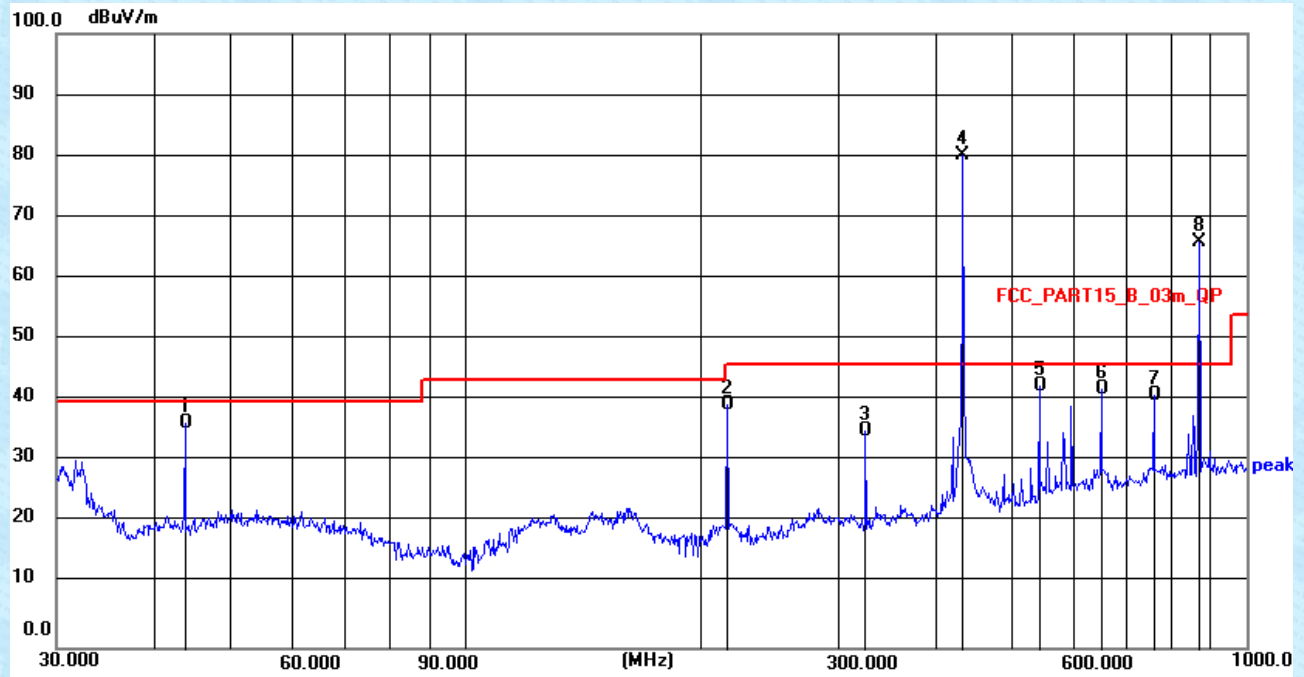
Below 1GHz:

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	43.8119	20.17	14.46	34.63	40.00	5.37	QP
2	216.7828	23.93	12.36	36.29	46.00	9.71	QP
3	325.5957	13.99	15.31	29.30	46.00	16.70	QP
4	433.92	64.14	17.51	81.65	100.82	19.17	peak
5	543.2740	17.37	19.25	36.62	46.00	9.38	QP
6	651.9415	17.63	21.47	39.10	46.00	6.90	QP
7	760.7033	16.57	22.49	39.06	46.00	6.94	QP
8	867.84	43.07	23.55	66.62	80.82	14.2	peak

Vertical



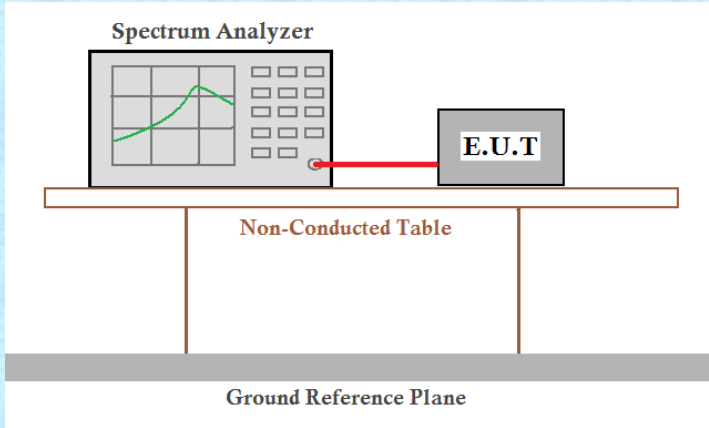
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	43.8119	22.17	14.46	36.63	40.00	3.37	QP
2	216.7828	27.43	12.36	39.79	46.00	6.21	QP
3	325.5957	19.99	15.31	35.30	46.00	10.70	QP
4	433.92	62.64	17.51	80.15	100.82	20.67	peak
5	543.2740	23.37	19.25	42.62	46.00	3.38	QP
6	651.9415	20.63	21.47	42.10	46.00	3.90	QP
7	760.7033	18.57	22.49	41.06	46.00	4.94	QP
8	867.84	42.57	23.55	66.12	80.82	14.7	peak

Frequency (MHz)	Reading (dBμV/m)	Factor Corr.	Average Factor	Result (dBμV/m)		Limit (dBμV/m)		Margin (dB)		Polarization
	PEAK	(dB)	(dB)	AV	PEAK	AV	PEAK	AV	PEAK	
867.84	43.07	23.55	-11.37	55.25	66.62	60.82	80.82	-5.57	-14.2	Horizontal
1301.76	78.05	-15.15	-11.37	51.53	62.9	60.82	80.82	-9.29	-17.92	
1735.68	68.66	-13.98	-11.37	43.31	54.68	60.82	80.82	-17.51	-26.14	
2169.6	69.28	-11.89	-11.37	46.02	57.39	60.82	80.82	-14.8	-23.43	
2603.52	71.01	-11.57	-11.37	48.07	59.44	60.82	80.82	-12.75	-21.38	
3037.44	59.1	-8.59	-11.37	39.14	50.51	60.82	80.82	-21.68	-30.31	
3471.36	60.48	-7.81	-11.37	41.3	52.67	60.82	80.82	-19.52	-28.15	
3905.28	60.1	-6.98	-11.37	41.75	53.12	60.82	80.82	-19.07	-27.7	
4339.2	51.63	-5.88	-11.37	34.38	45.75	60.82	80.82	-26.44	-35.07	
867.84	42.57	23.55	-11.37	54.75	66.12	60.82	80.82	-6.07	-14.7	Vertical
1301.76	69.24	-15.15	-11.37	42.72	54.09	60.82	80.82	-18.1	-26.73	
1735.68	67.28	-13.98	-11.37	41.93	53.3	60.82	80.82	-18.89	-27.52	
2169.6	66.89	-11.89	-11.37	43.63	55	60.82	80.82	-17.19	-25.82	
2603.52	61.53	-11.57	-11.37	38.59	49.96	60.82	80.82	-22.23	-30.86	
3037.44	55.93	-8.59	-11.37	35.97	47.34	60.82	80.82	-24.85	-33.48	
3471.36	57.23	-7.81	-11.37	38.05	49.42	60.82	80.82	-22.77	-31.4	
3905.28	64.31	-6.98	-11.37	45.96	57.33	60.82	80.82	-14.86	-23.49	
4339.2	51.25	-5.88	-11.37	34	45.37	60.82	80.82	-26.82	-35.45	

Remarks:

3. Final Level =Receiver Read level + Factor
4. Average value=Peak value + Duty cycle factor

7.3 20dB Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.231 (c)
Test Method:	ANSI C63.10:2013
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.
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

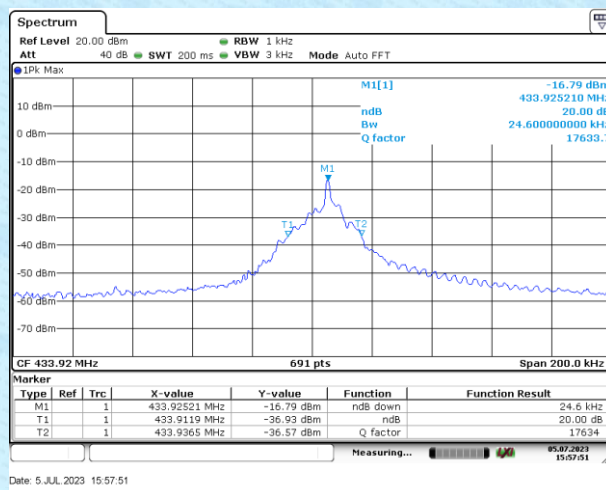
Measurement Data

Test Frequency (MHz)	20dB bandwidth (MHz)	Limit (MHz)	Result
433.92	0.0246	1.085	Pass

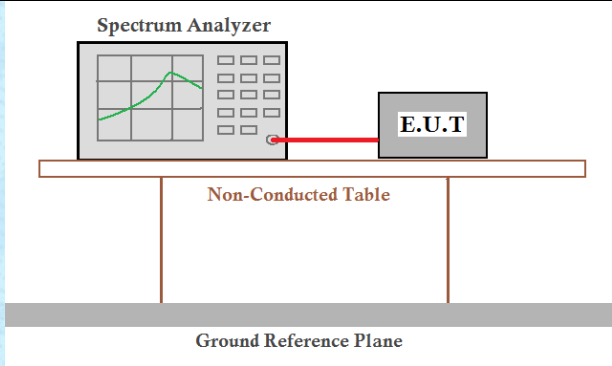
Note: Limit= Fundamental frequency×0.25%

433.92×0.25%=1.085MHz

Test plot as follows:



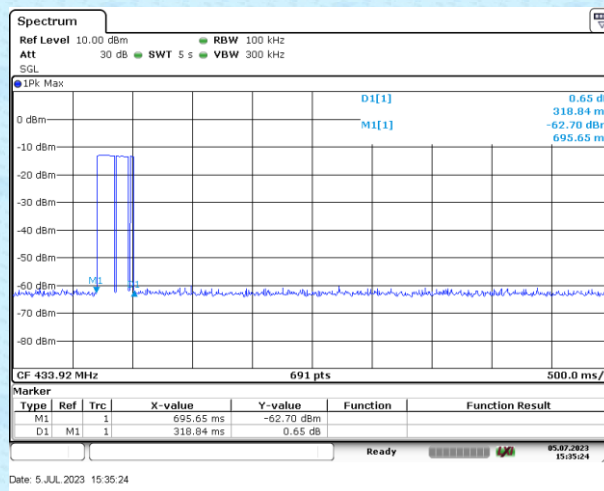
7.4 Dwell Time

Test Requirement:	FCC Part15 C Section 15.231 (a)(1)
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=100KHz, VBW=300KHz, span=0Hz, detector: Peak
Limit:	Not more than 5 seconds
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

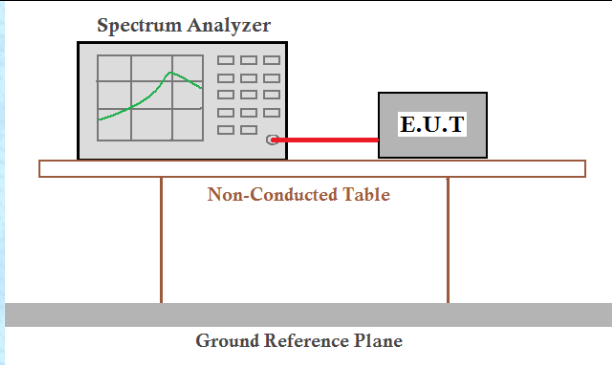
Measurement data:

Frequency (MHz)	Duration of each TX (second)	Limit (second)	Result
433.92	0.319	<5.0	Pass

Test plot as follows:



7.5 Duty Cycle

Test Requirement:	FCC Part15 C Section 15.231
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=100KHz, VBW=300KHz, span=0Hz, detector: Peak
Limit:	No dedicated limit specified in the Rules.
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.
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. The E.U.T. is placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

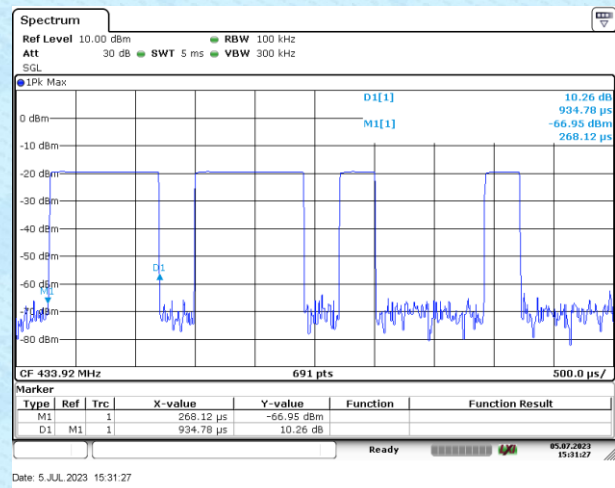
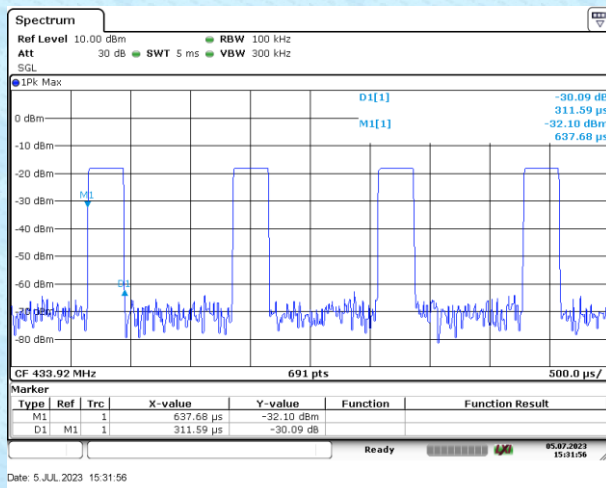
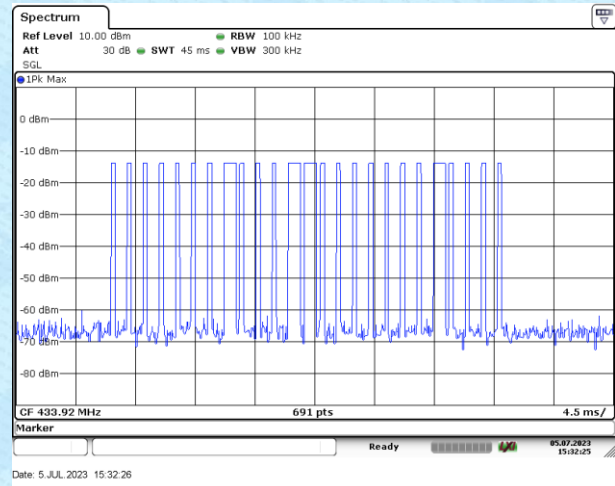
Measurement data:

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 = $4 \times 0.935 + 21 \times 0.312 = 10.29$ (ms)
T period = 38.55(ms)
Duty cycle = $10.29 / 38.55 = 27\%$
Duty cycle factor = $20 \log(0.27) = -11.37$

Test plot as follows:



8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

-----End-----