



Shenzhen CTL Testing Technology Co., Ltd.
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TEST REPORT

FOR FCC PART 15 SUBPART C 15.249

Report Reference No.....: CTL2204082032-WF

Compiled by:
(position+printed name+signature)

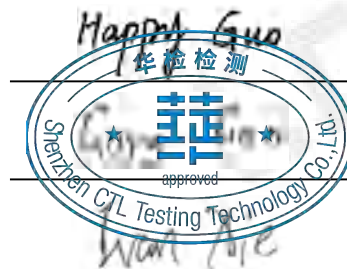
Happy Guo
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Tested by:
(position+printed name+signature)

Gary Gao
(Test Engineer)

Approved by:
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Ivan Xie
(Manager)



Product Name.....: Speed Master Quadbike V2

Model/Type reference.....: TG935

List Model(s).....: N/A

Trade Mark.....: N/A

FCC ID.....: 2AT8W-TG935

Applicant's name.....: Paramount Zone Limited

Address of applicant.....: Unit 19 Lawson Hunt Industrial Park Horsham, Sussex,
RH12 3JR, United Kingdom

Test Firm.....: Shenzhen CTL Testing Technology Co., Ltd.

Address of Test Firm.....: Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road,
Nanshan District, Shenzhen, China 518055

Test specification.....:

Standard.....: **FCC Part 15.249:**Operation within the bands 920-928 MHz,
2400-2483.5 MHz, 5725-5850 MHz and 24.0 - 24.25 GHz.

TRF Originator.....: Shenzhen CTL Testing Technology Co., Ltd.

Master TRF.....: Dated 2011-01

Date of receipt of test item.....: Apr. 08, 2022

Date of Test Date.....: Apr. 08, 2022–May. 05, 2022

Data of Issue.....: May. 06, 2022

Result.....: **Pass**

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TEST REPORT

Test Report No. :	CTL2204082032-WF	May. 06, 2022
		Date of issue

Equipment under Test : Speed Master Quadbike V2

Sample No : CTL220408203-1-S002

Model /Type : TG935

Listed Models : N/A

Applicant : **Paramount Zone Limited**

Address : Unit 19 Lawson Hunt Industrial Park Horsham, Sussex,
RH12 3JR, United Kingdom

Manufacturer : **Paramount Zone Limited**

Address : Unit 19 Lawson Hunt Industrial Park Horsham, Sussex,
RH12 3JR, United Kingdom

Test result	Pass *
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* In the configuration tested, the EUT complied with the standards specified page 5.

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.

**** Modified History ****

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1. SUMMARY

1.1. TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules Part 15.249](#): Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz, 5725 - 5875 MHz, and 24.0 - 24.25 GHz.

[ANSI C63.10:2013](#) : American National Standard for Testing Unlicensed Wireless Devices

1.2. Test Description

FCC PART 15.249		
FCC Part 15.249(a)	Field Strength of Fundamental	PASS
FCC Part 15.209	Spurious Emission	PASS
FCC Part 15.209	Band edge	PASS
FCC Part 15.215(c)	20dB bandwidth	PASS
FCC Part 15.207	Conducted Emission	N/A
FCC Part 15.203	Antenna Requirement	PASS

1.3. Test Facility

1.3.1 Address of the test laboratory

Shenzhen CTL Testing Technology Co., Ltd.

Floor 1-A, Baisha Technology Park, No. 3011, Shaheji Road, Nanshan, Shenzhen 518055 China

There is one 3m semi-anechoic chamber and two line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.4 and CISPR 32/EN 55032 requirements.

1.3.2 Laboratory accreditation

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

CNAS-Lab Code: L7497

Shenzhen CTL Testing Technology Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No. 4343.01

Shenzhen CTL Testing Technology Co., Ltd, EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

IC Registration No.: 9618B

CAB identifier: CN0041

The 3m alternate test site of Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements with Registration No.: 9618B on Jan. 22, 2019.

1.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Shenzhen CTL Testing Technology Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CTL laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.10dB	(1)
Radiated Emission	Above 1GHz	4.32dB	(1)
Conducted Disturbance	0.15~30MHz	3.20dB	(1)

- (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

2. GENERAL INFORMATION

2.1. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

2.2. General Description of EUT

Product Name:	Speed Master Quadbike V2
Model/Type reference:	TG935
Power supply:	DC 3.0V from battery
2.4GHz	
Operating frequency:	2417MHz~2470MHz
Modulation type:	GFSK
Channel number:	3
Antenna type:	Metal Antenna
Antenna gain:	1.0dBi

Note: For more details, please refer to the user's manual of the EUT.

2.3. Description of Test Modes and Test Frequency

The Applicant provides communication tools software to control the EUT for staying in continuous transmitting (Duty Cycle more than 98%) and receiving mode for testing .There are 3 channels provided to the EUT and Channel 00/01/02 were selected for testing.

Operation Frequency List :

Channel	Frequency (MHz)
00	2417
01	2445
02	2470

Note: The line display in grey is the channel selected to perform test.

2.4. Equipments Used during the Test

Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
LISN	R&S	ESH2-Z5	860014/010	2021/05/10	2022/05/09
Double cone logarithmic antenna	Schwarzbeck	VULB 9168	824	2020/04/07	2023/04/06
Horn Antenna	Ocean Microwave	OBH100400	26999002	2019/11/28	2022/11/27
EMI Test Receiver	R&S	ESCI	1166.5950.03	2021/05/10	2022/05/09
Spectrum Analyzer	Agilent	E4407B	MY41440676	2021/05/19	2022/05/18
Spectrum Analyzer	Agilent	N9020A	US46220290	2021/05/19	2022/05/18
Spectrum Analyzer	Keysight	N9020A	MY53420874	2021/05/19	2022/05/18
Controller	EM Electronics	EM 1000	060859	2021/05/19	2022/05/18
Horn Antenna	Sunol Sciences Corp.	DRH-118	A062013	2021/05/10	2022/05/09
Active Loop Antenna	Da Ze	ZN30900A	/	2021/05/13	2022/05/12
Amplifier	Agilent	8449B	3008A02306	2021/05/13	2022/05/12
Amplifier	Agilent	8447D	2944A10176	2021/05/11	2022/05/10
Amplifier	Brief&Smart	LNA-4018	2104197	2021/05/19	2022/05/18
Temperature/Humidity Meter	Gangxing	CTH-608	02	2021/05/19	2022/05/18
Power Sensor	Agilent	U2021XA	MY55130004	2021/05/19	2022/05/18
Power Sensor	Agilent	U2021XA	MY55130006	2021/05/19	2022/05/18
Power Sensor	Agilent	U2021XA	MY54510008	2021/05/19	2022/05/18
Power Sensor	Agilent	U2021XA	MY55060003	2021/05/19	2022/05/18
Spectrum Analyzer	RS	FSP	1164.4391.38	2021/05/19	2022/05/18
Test Software					
Name of Software			Version		
TST-PASS			1.1.0		
EZ_EMG(Below 1GHz)			V1.1.4.2		
EZ_EMG((Above 1GHz)			V1.1.4.2		

The calibration interval was one year

2.5. Related Submittal(s) / Grant(s)

This submittal(s) (test report) is intended to comply with Section 15.249 of the FCC Part 15, Subpart C Rules.

2.6. Modifications

No modifications were implemented to meet testing criteria.

3. TEST CONDITIONS AND RESULTS

3.1. Radiated Emissions and Band Edge

Limit

According 15.249, the field strength of emissions from intentional radiators operated within 2400MHz-2483.5 MHz shall not exceed 94dB μ V/m (50mV/m):

FCC PART 15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

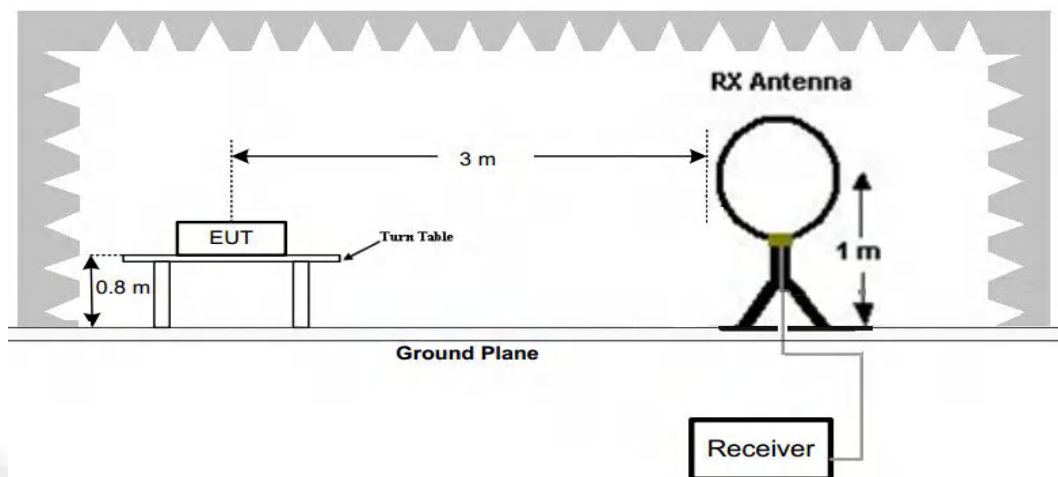
In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

Radiated emission limits

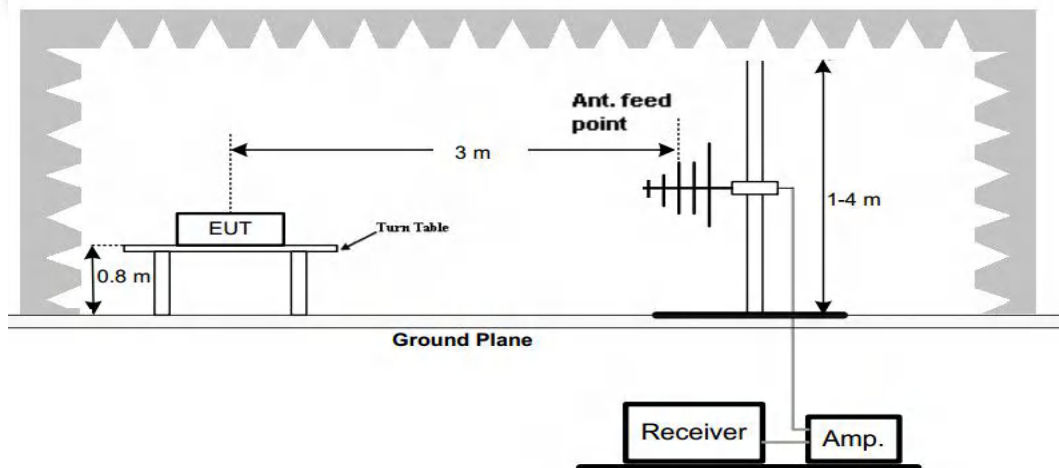
Frequency (MHz)	Distance (Meters)	Radiated (dB μ V/m)	Radiated (μ V/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST CONFIGURATION

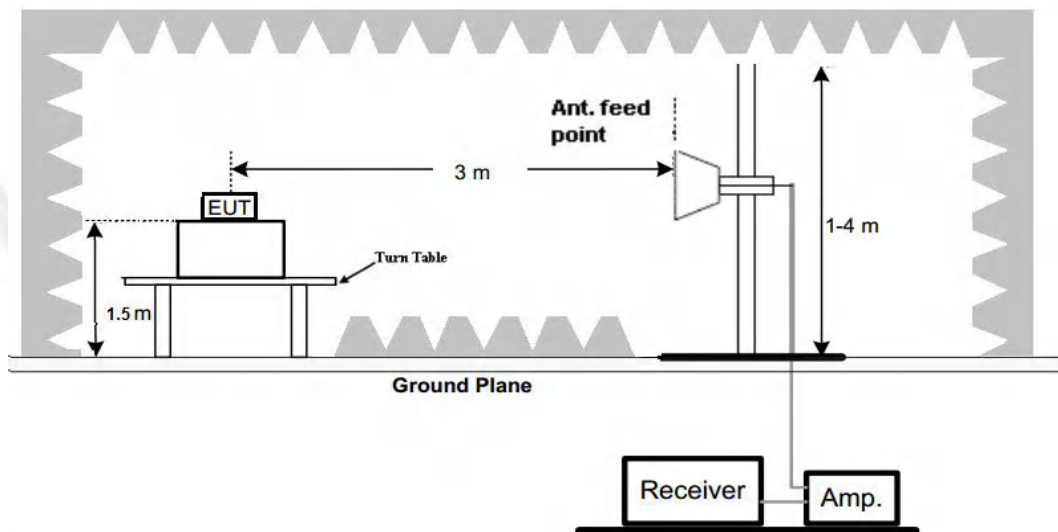
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



Test Procedure

- Below 1GHz measurement the EUT is placed on a turntable which is 0.8m above ground plane, and above 1GHz measurement EUT was placed on a low permittivity and low loss tangent turn table which is 1.5m above ground plane.
- Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT
- And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- Repeat above procedures until all frequency measurements have been completed.
- Radiated emission test frequency band from 9KHz to 25GHz.
- The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Bilog Antenna	3
1GHz-18GHz	Horn Antenna	3
18GHz-25GHz	Horn Antenna	1

- Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz, Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz, Sweep time=Auto	QP

30MHz-1GHz	RBW=120KHz/VBW=1000KHz,Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

TEST RESULTS

Remark:

1. We measured Radiated Emission at GFSK mode from 9 KHz to 25GHz and recorded worst case.
2. For below 1GHz testing recorded worst at GFSK low channel.
3. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.

For 30MHz-1GHz

Horizontal

Radiated Emission Measurement

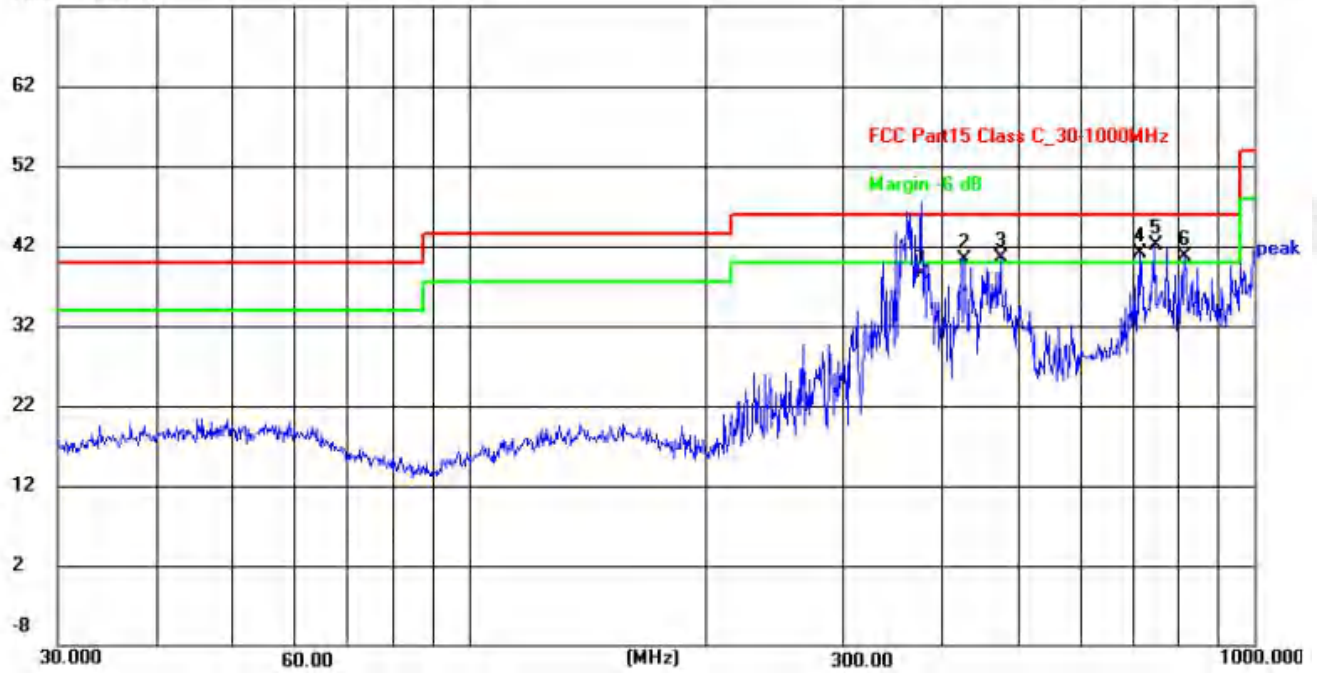
File: RF

Data: #2636

Date: 2022/05/05

Time: 19:41:21

72.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	376.6390	21.89	16.63	38.52	46.00	7.48	QP	100	0	P
2	428.0192	22.28	18.10	40.38	46.00	5.62	peak	100	171	P
3	475.4991	21.98	18.60	40.58	46.00	5.42	peak	100	151	P
4	714.1733	18.14	22.88	41.02	46.00	4.98	peak	100	346	P
5	747.4825	18.02	24.05	42.07	46.00	3.93	peak	100	353	P
6	815.9678	15.12	25.66	40.78	46.00	5.22	peak	100	98	P

Vertical

Radiated Emission Measurement

File : RF

Data : #2637

Date: 2022/05/05

Time: 19:42:38

72.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	379.9141	25.00	16.70	41.70	46.00	4.30	peak	100	354	P
2	472.1747	14.47	18.59	33.06	46.00	12.94	QP	100	360	P
3	518.3699	14.46	19.44	33.90	46.00	12.10	QP	100	0	P
4	574.6258	20.12	20.84	40.96	46.00	5.04	peak	100	14	P
5	763.6757	6.18	24.57	30.75	46.00	15.25	QP	100	0	P
6	916.0437	8.42	26.50	34.92	46.00	11.08	QP	100	360	P

For 1GHz to 25GHz:**GFSK Mode (above 1GHz)**

Frequency(MHz):				2417		Polarity:			HORIZONTAL	
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1	2417.00	97.55	PK	114.00	16.45	64.15	28.78	4.62	0.00	33.40
1	2417.00	92.63	AV	94.00	1.37	59.23	28.78	4.62	0.00	33.40
2	2390.00	46.90	PK	74.00	27.10	13.58	28.72	4.60	0.00	33.32
2	2390.00	--	AV	54.00	--	--	--	--	--	--
3	2400.00	51.76	PK	74.00	22.24	18.37	28.78	4.61	0.00	33.39
3	2400.00	--	AV	54.00	--	--	--	--	--	--
4	4834.00	56.73	PK	74.00	17.27	52.20	33.50	6.92	35.89	4.53
4	4834.00	52.27	AV	54.00	1.73	47.74	33.50	6.92	35.89	4.53
5	5022.00	48.36	PK	74.00	25.64	41.53	34.02	7.04	34.23	6.83
5	5022.00	--	AV	54.00	--	--	--	--	--	--
6	7251.00	51.65	PK	74.00	22.35	40.49	36.99	9.19	35.02	11.16
6	7251.00	--	AV	54.00	--	--	--	--	--	--

Frequency(MHz):				2417		Polarity:			VERTICAL	
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1	2417.00	97.05	PK	114.00	16.95	63.65	28.78	4.62	0.00	33.40
1	2417.00	92.36	AV	94.00	1.64	58.96	28.78	4.62	0.00	33.40
2	2390.00	48.00	PK	74.00	26.00	14.68	28.72	4.60	0.00	33.32
2	2390.00	--	AV	54.00	--	--	--	--	--	--
3	2400.00	49.77	PK	74.00	24.23	16.38	28.78	4.61	0.00	33.39
3	2400.00	--	AV	54.00	--	--	--	--	--	--
4	4834.00	55.80	PK	74.00	18.20	51.27	33.50	6.92	35.89	4.53
4	4834.00	52.89	AV	54.00	1.11	48.36	33.50	6.92	35.89	4.53
5	5022.00	43.54	PK	74.00	30.46	36.71	34.02	7.04	34.23	6.83
5	5022.00	--	AV	54.00	--	--	--	--	--	--
6	7251.00	50.08	PK	74.00	23.92	38.92	36.99	9.19	35.02	11.16
6	7251.00	--	AV	54.00	--	--	--	--	--	--

REMARKS:

1. Emission level (dBuV/m) =Raw Value (dBuV)+Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
3. Margin value = Limit value- Emission level.
4. -- Mean the PK detector measured value is below average limit.
5. The other emission levels were very low against the limit.
6. RBW 1MHz VBW 3MHz Peak detector is for PK value; RBW 1MHz VBW 10Hz Peak detector is for AV value.
7. For fundamental frequency, RBW 3MHz VBW 3MHz Peak detector is for PK Value ; RMS detector is for AV value.

Frequency(MHz):				2445		Polarity:			HORIZONTAL	
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1	2445.00	96.67	PK	114.00	17.33	63.15	28.86	4.66	0.00	33.52
1	2445.00	92.26	AV	94.00	1.74	58.74	28.86	4.66	0.00	33.52
2	3422.00	48.01	PK	74.00	25.99	44.37	32.83	6.59	35.78	3.64
2	3422.00	--	AV	54.00	--	--	--	--	--	--
3	4890.00	56.58	PK	74.00	17.42	50.29	33.62	6.96	34.29	6.29
3	4890.00	52.53	AV	54.00	1.47	46.24	33.62	6.96	34.29	6.29
4	5084.00	47.60	PK	74.00	26.40	40.18	34.57	7.16	34.31	7.42
4	5084.00	--	AV	54.00	--	--	--	--	--	--
5	7335.00	50.56	PK	74.00	23.44	38.83	37.49	9.23	34.99	11.73
5	7335.00	--	AV	54.00	--	--	--	--	--	--

Frequency(MHz):				2445		Polarity:			VERTICAL	
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1	2445.00	96.78	PK	114.00	17.22	63.26	28.86	4.66	0.00	33.52
1	2445.00	92.09	AV	94.00	1.91	58.57	28.86	4.66	0.00	33.52
2	3422.00	46.02	PK	74.00	27.98	42.38	32.83	6.59	35.78	3.64
2	3422.00	--	AV	54.00	--	--	--	--	--	--
3	4890.00	56.04	PK	74.00	17.96	49.75	33.62	6.96	34.29	6.29
3	4890.00	51.93	AV	54.00	2.07	45.64	33.62	6.96	34.29	6.29
4	5084.00	47.50	PK	74.00	26.50	40.08	34.57	7.16	34.31	7.42
4	5084.00	--	AV	54.00	--	--	--	--	--	--
5	7335.00	47.97	PK	74.00	26.03	36.24	37.49	9.23	34.99	11.73
5	7335.00	--	AV	54.00	--	--	--	--	--	--

REMARKS:

1. Emission level (dBuV/m) =Raw Value (dBuV)+Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
3. Margin value = Limit value- Emission level.
4. -- Mean the PK detector measured value is below average limit.
5. The other emission levels were very low against the limit.
6. RBW 1MHz VBW 3MHz Peak detector is for PK value; RBW 1MHz VBW 10Hz Peak detector is for AV value.
7. For fundamental frequency, RBW 3MHz VBW 3MHz Peak detector is for PK Value; RMS detector is for AV value.

Frequency(MHz):				2470		Polarity:			HORIZONTAL	
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1	2470.00	96.56	PK	114.00	17.44	62.95	28.92	4.69	0.00	33.61
1	2470.00	92.85	AV	94.00	1.15	59.24	28.92	4.69	0.00	33.61
2	2483.50	49.20	PK	74.00	24.80	15.57	28.93	4.70	0.00	33.63
2	2483.50	--	AV	54.00	--	--	--	--	--	--
3	2500.00	45.26	PK	74.00	28.74	11.58	28.96	4.72	0.00	33.68
3	2500.00	--	AV	54.00	--	--	--	--	--	--
4	4940.00	56.81	PK	74.00	17.19	50.26	33.81	7.00	34.26	6.55
4	4940.00	52.30	AV	54.00	1.70	45.75	33.81	7.00	34.26	6.55
5	6375.00	47.85	PK	74.00	26.15	39.29	35.18	8.15	34.77	8.56
5	6375.00	--	AV	54.00	--	--	--	--	--	--
6	7410.00	48.68	PK	74.00	25.32	36.74	37.64	9.27	34.97	11.94
6	7410.00	--	AV	54.00	--	--	--	--	--	--

Frequency(MHz):				2470		Polarity:			VERTICAL	
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1	2470.00	97.65	PK	114.00	16.35	64.04	28.92	4.69	0.00	33.61
1	2470.00	92.97	AV	94.00	1.03	59.36	28.92	4.69	0.00	33.61
2	2483.50	49.56	PK	74.00	24.44	15.93	28.93	4.70	0.00	33.63
2	2483.50	--	AV	54.00	--	--	--	--	--	--
3	2500.00	46.03	PK	74.00	27.97	12.35	28.96	4.72	0.00	33.68
3	2500.00	--	AV	54.00	--	--	--	--	--	--
4	4940.00	55.82	PK	74.00	18.18	49.27	33.81	7.00	34.26	6.55
4	4940.00	51.50	AV	54.00	2.50	44.95	33.81	7.00	34.26	6.55
5	6375.00	50.88	PK	74.00	23.12	42.32	35.18	8.15	34.77	8.56
5	6375.00	--	AV	54.00	--	--	--	--	--	--
6	7410.00	49.63	PK	74.00	24.37	37.69	37.64	9.27	34.97	11.94
6	7410.00	--	AV	54.00	--	--	--	--	--	--

REMARKS:

1. Emission level (dBuV/m) =Raw Value (dBuV)+Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
3. Margin value = Limit value- Emission level.
4. -- Mean the PK detector measured value is below average limit.
5. The other emission levels were very low against the limit.
6. RBW 1MHz VBW 3MHz Peak detector is for PK value; RBW 1MHz VBW 10Hz Peak detector is for AV value.
7. For fundamental frequency, RBW 3MHz VBW 3MHz Peak detector is for PK Value; RMS detector is for AV value.

3.2. Occupied Bandwidth Measurement

Limit

N/A

Test Configuration



Test Procedure

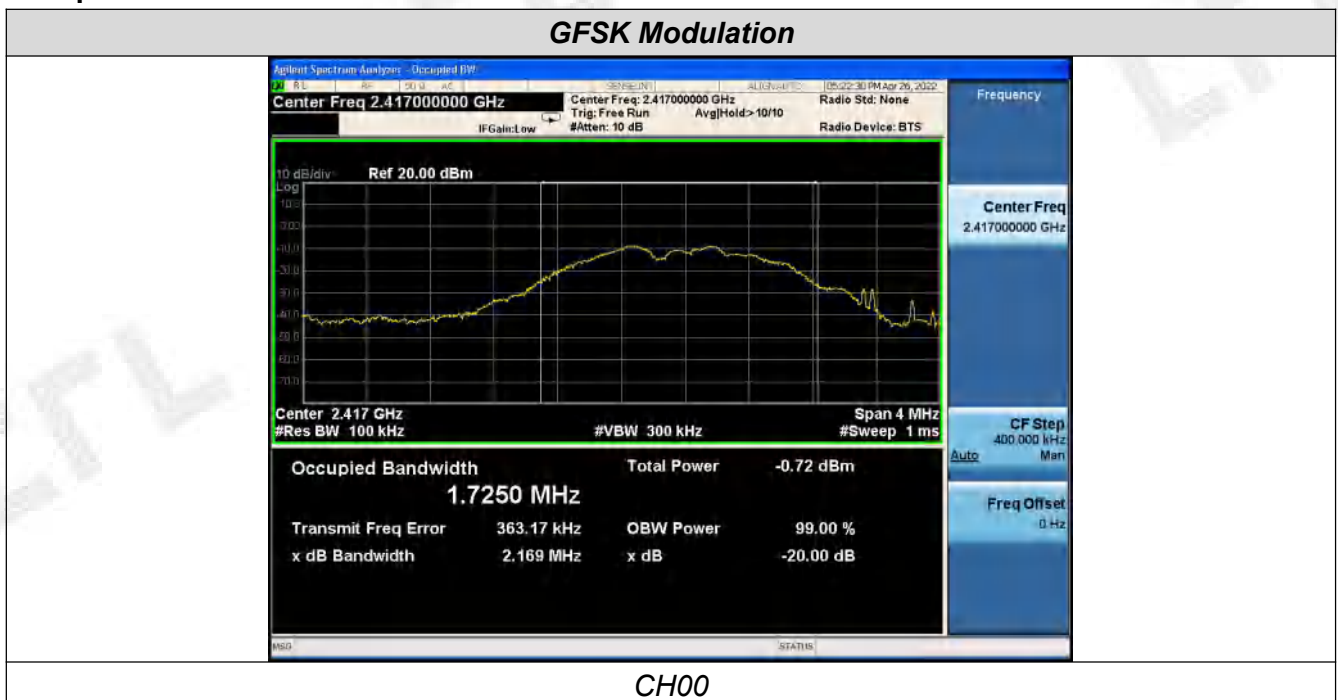
The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30 KHz RBW and 100 KHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

Test Results

Modulation	Channel	99% OBW (MHz)	20dB bandwidth (MHz)	Result
GFSK	CH00	1.7250	2.169	Pass
	CH01	1.6759	1.968	
	CH02	1.7736	2.070	

Test plot as follows:





CH01



CH02

3.3. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, 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.

Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The antenna used in this product is an Metal Antenna, The directional gains of antenna used for transmitting is 1.0dBi.

4. Test Setup Photos of the EUT

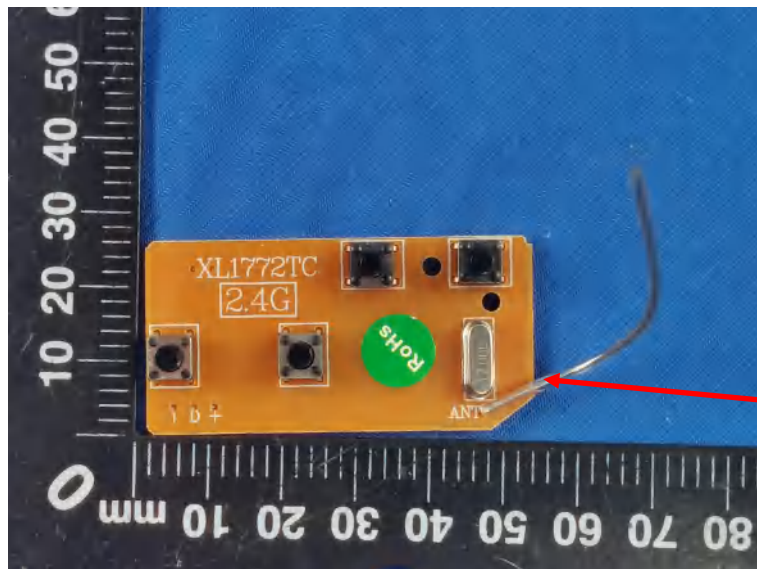


5. External and Internal Photos of the EUT

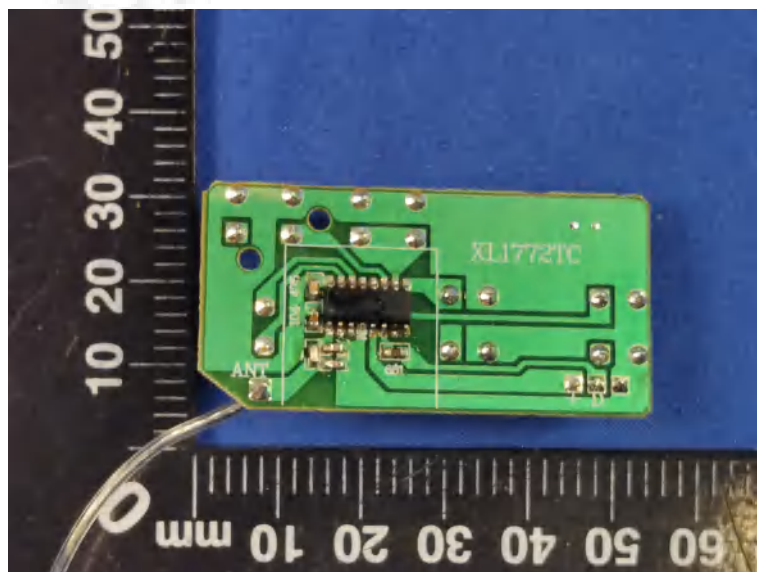
External Photos of EUT

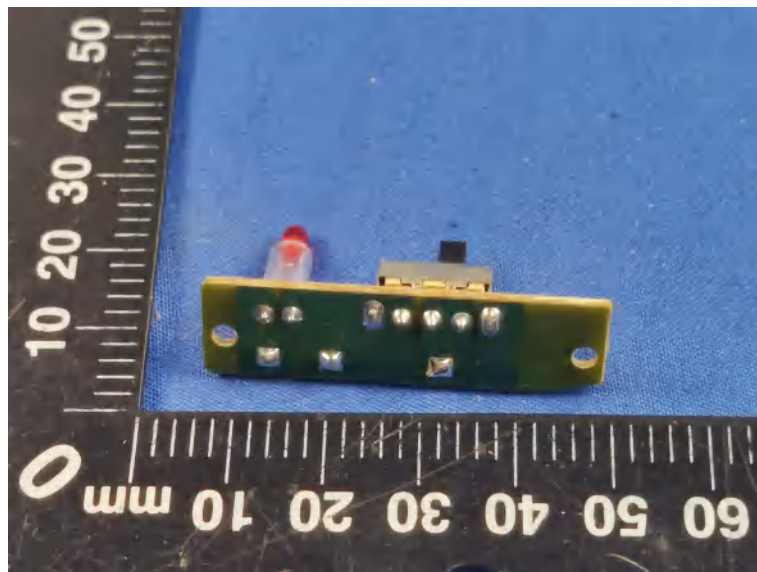
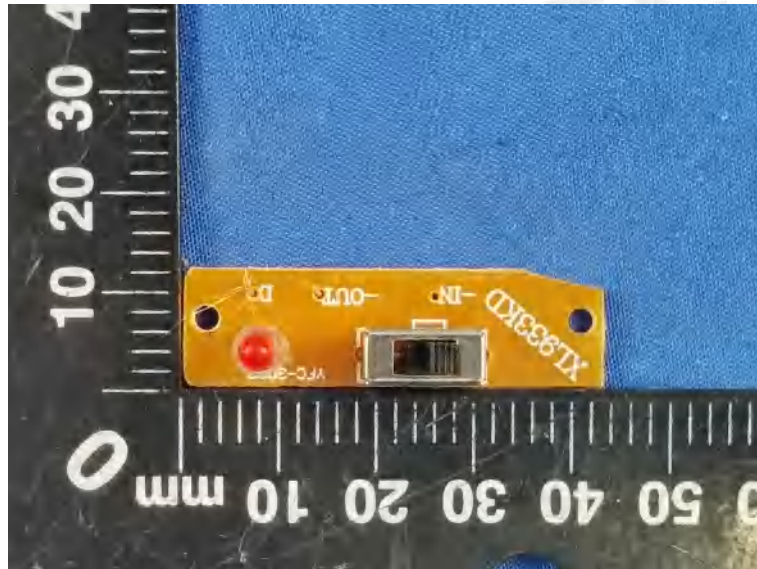




Internal Photos of EUT

Antenna





***** End of Report *****