

TEST REPORT

FCC ID: 2AOYR-VR04

Product: Smart Mobile Games bow

Model No.: VR04

Additional Model No.: VR100, VR101, VR102, VR103, VR104, VR105, VR106,

VR107, VR108, VR109, VR110

Trade Mark: N/A

Report No.: TCT180110E016

Issued Date: Feb. 01, 2018

Issued for:

Shenzhen Kemi bear Technology Co. Ltd.

Building 1 Dahuafeijie Industrial Park NO 16 Dahua Road Yanchuan
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Issued By:

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TABLE OF CONTENTS

1. Test Certification				
2. Test Result Summary		(0)		4
3. EUT Description				5
4. Genera Information				
4.1. Test environment and mode				
_ 4.2. Description of Support Units				6
5. Facilities and Accreditations		<u>(á)</u>	(7
5.1. Facilities				7
5.2. Location				
5.3. Measurement Uncertainty	<u>(O)</u>		(O)	7
6. Test Results and Measurement Data				8
6.1. Antenna requirement				
6.2. Conducted Emission 6.3. Conducted Output Power				
6.4. Emission Bandwidth				
6.5. Power Spectral Density				
6.6. Test Specification				
6.7. Conducted Band Edge and Spurious Emission				
6.8. Radiated Spurious Emission Measurement		(0)	(22
Appendix A: Photographs of Test Setup				
Appendix B: Photographs of EUT				



1. Test Certification

Report No.: TCT180110E016

Product:	Smart Mo	bile Games bo	W				
Model No.:	VR04	(3				(3)
Additional Model No.:		(R101, VR102, (R108, VR109,	•	'R104, VR	105, VR1	06,	
Trade Mark:	N/A	(c)		(C)		(3)	
Applicant:	Shenzher	n Kemi bear Te	chnology	Co. Ltd.			
Address:		Dahuafeijie In ity Songgang T					nuan
Manufacturer:	Shenzher	n Kemi bear Te	chnology	Co. Ltd.			
Address:	_	Dahuafeijie In ity Songgang T					nuan
Date of Test:	Jan. 11, 2	2018 – Jan. 31,	2018				
Applicable Standards:		R Title 47 Part 1 074 D01 DTS N			n 15.247		

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

Brews Xu

Reviewed By:

Beryl Zhao

Beryl Zhao

Approved By:

Date:

Feb. 01, 2018

Tomsin



2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	PASS
AC Power Line Conducted Emission	§15.207	N/A
Conducted Peak Output Power	§15.247 (b)(3) §2.1046	PASS
6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	PASS
Power Spectral Density	§15.247 (e)	PASS
Band Edge	1§5.247(d) §2.1051, §2.1057	PASS
Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	PASS

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.





3. EUT Description

Product:	Smart Mobile Games bow			
Model No.:	VR04			
Additional Model No.:	VR100, VR101, VR102, VR103, VR104, VR105, VR106, VR107, VR108, VR109, VR110			
Trade Mark:	N/A			
Hardware Version:	KH-AR04-BK3431S-V1-170717			
Software Version:	V1.0.1			
BT Version:	V4.0			
Operation Frequency:	2402MHz~2480MHz			
Channel Separation:	2MHz			
Number of Channel:	40			
Modulation Technology:	GFSK			
Antenna Type:	PCB Antenna			
Antenna Gain:	0dBi			
Power Supply:	DC 3.0V (2*AAA Batteries)			
Remark:	All models above are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement.			

Operation Frequency each of channel

Operation	ii i requenc	y cacii o	CHaillei		120		120
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
<u> </u>		<i>)</i>	<	<u> </u>	<	<u> </u>	
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
Remark:	Channel 0, 1	9 & 39 ha	ave been tes	sted.	(C))		$(C_{\mathcal{O}})$



4. Genera Information

4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 98.46%) with Fully-charged battery.

The sample was placed (0.1m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

4.2. Description of Support Units

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.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
1	1		1	(0)

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

Page 6 of 34



5. Facilities and Accreditations

5.1. Facilities

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

• FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

• IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District,

Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. Measurement Uncertainty

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

No.	Item	MU
1	Conducted Emission	±2.56dB
2	RF power, conducted	±0.12dB
3	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1G)	±3.92dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
7	Humidity	±1.0%

Report No.: TCT180110E016



6. Test Results and Measurement Data

6.1. Antenna requirement

Standard requirement:

FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

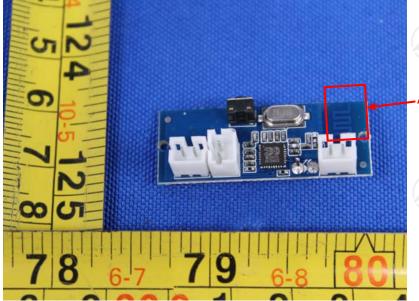
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is PCB antenna which permanently attached, and the best case gain of the antenna is 0dBi.



.Antenna

Page 8 of 34



6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207	160			
Test Method:	ANSI C63.10:2013	ANSI C63.10:2013				
Frequency Range:	150 kHz to 30 MHz	(C)	(C^{\prime})			
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	e=auto			
Limits:	Frequency range (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50					
Test Setup:	Adapter E.U.T Adapter Filter AC power EMI Receiver Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network					
Test Mode:	Test table height=0.8m Charging + Transmittin	Charging + Transmitting Mode				
Test Procedure:	1. The E.U.T is connectimpedance stabilize provides a 50ohm/5 measuring equipment. 2. The peripheral device power through a LI coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interferer emission, the relative the interface cables ANSI C63.10: 2013	ration network 50uH coupling in the ses are also conn SN that provides with 50ohm term diagram of the line are checkinge. In order to five positions of equals must be changed.	(L.I.S.N.). This appedance for the ected to the main a 500hm/50uH mination. (Please test setup and ed for maximum aipment and all of ged according to			
Test Result:	N/A; The EUT is powered by batteries, so the item is not applicable.					



6.3. Conducted Output Power

6.3.1. Test Specification

<u> </u>	
Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB558074
Limit:	30dBm
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	 The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v04. Set spectrum analyzer as following: a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 × RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level.
Test Result:	PASS

6.3.2. Test Instruments

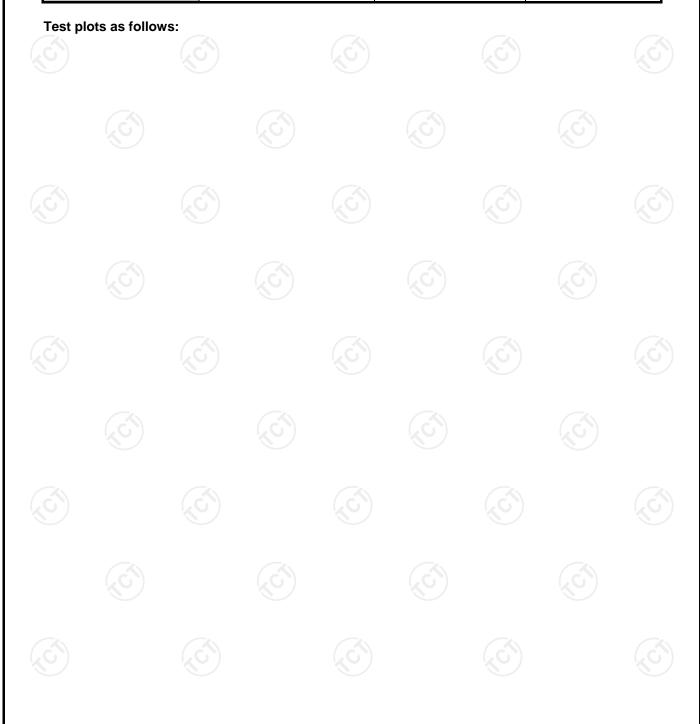
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Sep. 27, 2018
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 27, 2018
Antenna Connector	TCT	RFC-01	N/A	Sep. 27, 2018

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



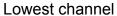
6.3.3. Test Data

BT LE mode			
Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
Lowest	0.24	30.00	PASS
Middle	0.35	30.00	PASS
Highest	0.29	30.00	PASS





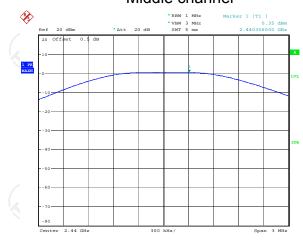
BT LE mode



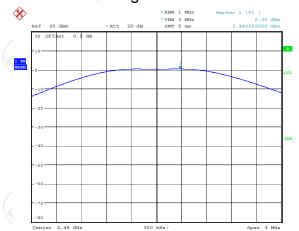




Middle channel







Date: 25.JAN.2018 10:43:03



6.4. Emission Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB558074
Limit:	>500kHz
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	 The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v04. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report.
Test Result:	PASS

6.4.2. Test Instruments

RF Test Room					
Equipment	Manufacturer	Model	Serial Number	Calibration Due	
Spectrum Analyzer	R&S	FSU	200054	Sep. 27, 2018	
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 27, 2018	
Antenna Connector	TCT	RFC-01	N/A	Sep. 27, 2018	

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

Page 13 of 34



6.4.3. Test data

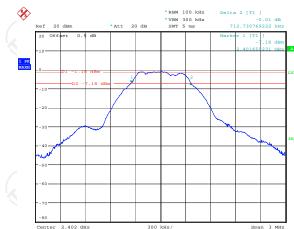
Toot obannal	6dB Emission Bandwidth (kHz)				
Test channel	BT LE mode	Limit	Result		
Lowest	712.73	>500k			
Middle	716.35	>500k	PASS		
Highest	721.15	>500k			

s as follows	s:			



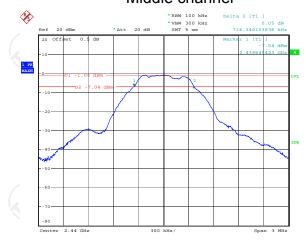
BT LE mode

Lowest channel



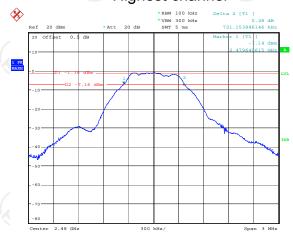
Date: 25.JAN.2018 10:36:28

Middle channel



Date: 25.JAN.2018 10:39:13

Highest channel



Date: 25.JAN.2018 10:40:45

Report No.: TCT180110E016



6.5. Power Spectral Density

6.6. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)		
Test Method:	KDB558074		
Limit:	The peak power spectral density shall not be greated than 8dBm in any 3kHz band at any time interval of continuous transmission.		
Test Setup:	Spectrum Analyzer EUT		
Test Mode:	Refer to item 4.1		
Test Procedure:	 The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW) Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report. 		
Test Result:	PASS		

6.6.1. Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Sep. 27, 2018
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 27, 2018
Antenna Connector	тст	RFC-01	N/A	Sep. 27, 2018

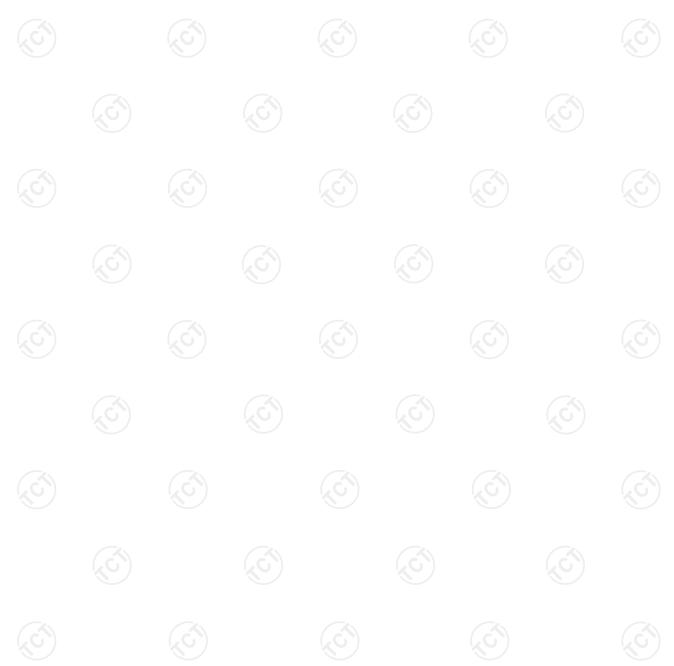
Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



6.6.2. Test data

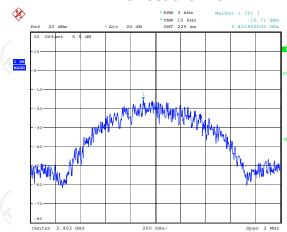
Toot channel	Power Spectral Density (dBm/3kHz)				
Test channel	BT LE mode	Limit	Result		
Lowest	-15.71	8 dBm/3kHz	80		
Middle	-15.65	8 dBm/3kHz	PASS		
Highest	-15.81	8 dBm/3kHz	(3)		

Test plots as follows:



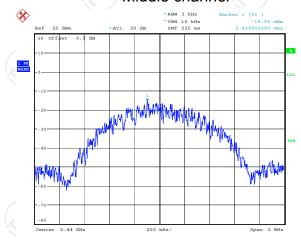


Lowest channel



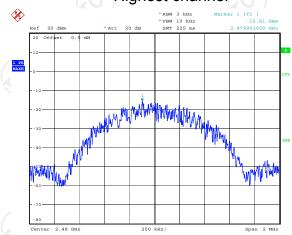
Date: 25.JAN.2018 10:47:32

Middle channel



Date: 25.JAN.2018 10:49:27

Highest channel



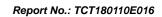
Date: 25.JAN.2018 10:50:21



6.7. Conducted Band Edge and Spurious Emission Measurement

6.7.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)		
Test Method:	KDB558074		
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).		
Test Setup:	Spectrum Andrews EUT		
Test Mode:	Spectrum Analyzer Refer to item 4.1		
rest wode.	The RF output of EUT was connected to the spectrum		
Test Procedure:	 analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 		
Test Result:	PASS		





6.7.2. Test Instruments

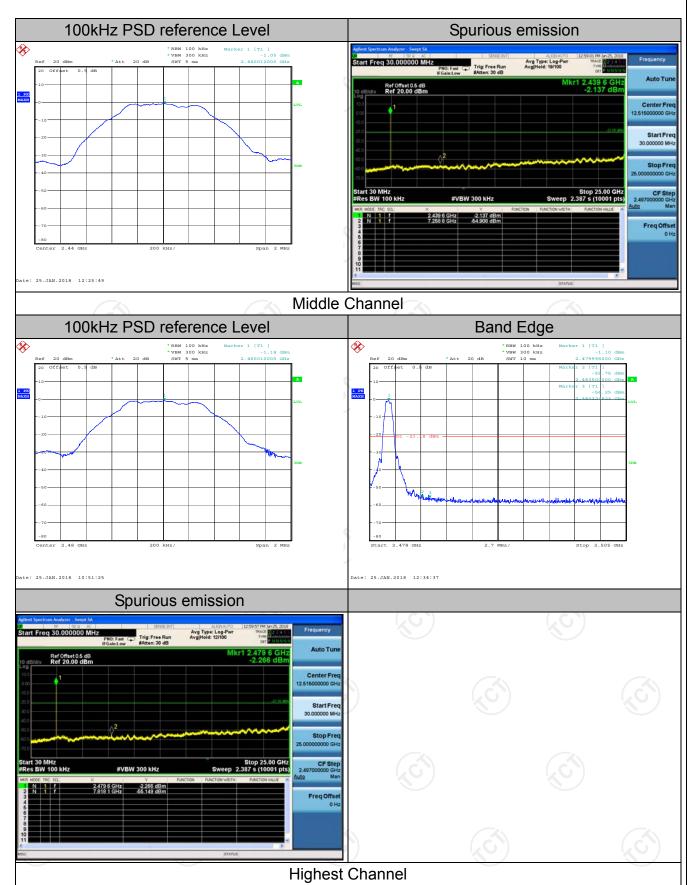
RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Sep. 27, 2018
Spectrum Analyzer	ROHDE&SCH WARZ	FSQ	200061	Sep. 27, 2018
RF cable (9kHz-26.5GHz)	ТСТ	RE-06	N/A	Sep. 27, 2018
Antenna Connector	тст	RFC-01	N/A	Sep. 27, 2018

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.7.3. Test Data









6.8. Radiated Spurious Emission Measurement

6.8.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209					
Test Method:	ANSI C63.10: 2013					
Frequency Range:	9 kHz to 25 GHz					
Measurement Distance:	3 m	V			100)
Antenna Polarization:	Horizontal &	Vertical				
Operation mode:	Refer to item	Refer to item 4.1				(,ć
	Frequency 9kHz- 150kHz 150kHz-	Detector Quasi-pea Quasi-pea	k 200Hz	VBW 1kHz 30kHz	Quas	Remark si-peak Value si-peak Value
Receiver Setup:	30MHz 30MHz-1GHz	Quasi-pea Peak	ık 100KHz 1MHz	300KHz 3MHz		si-peak Value eak Value
	Above 1GHz	Peak	1MHz	10Hz		erage Value
	Frequer	-	Field Strength (microvolts/meter)		Measurement Distance (meters)	
	0.009-0.490 0.490-1.705		2400/F(KHz)		300 30	
	1.705-30		24000/F(KHz) 30		30	
	30-88		100		3	
	88-216		150		3	
Limit:	216-960		200			3
	Above 960		500			3
	(C)		((0))			/C
	II Frequency I		eld Strength rovolts/meter)	Distar	Measurement Distance (meters)	
	Above 1GH	,	500		(d	Average
	Above 1GHZ		5000	3		Peak
Test setup:	For radiated emissions below 30MHz Distance = 3m Computer Pre -Amplifier Receiver 30MHz to 1GHz					

for the test in order to get better signal level.
For the radiated emission test above 1GHz:
Place the measurement antenna on a turntable with
1.5 meter above ground, which is away from each
area of the EUT determined to be a source of
emissions at the specified measurement distance,
while keeping the measurement antenna aimed at
the source of emissions at each frequency of
significant emissions, with polarization oriented for
maximum response. The measurement antenna
may have to be higher or lower than the EUT,
depending on the radiation pattern of the emission
and staying aimed at the emission source for
receiving the maximum signal. The final

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	measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 3. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission
	 level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 4. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW;
	Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Test mode:	Refer to section 4.1 for details
Test results:	PASS (C)







6.8.2. Test Instruments

Radiated Emission Test Site (966)										
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due						
Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Sep. 27, 2018						
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ	200061	Sep. 27, 2018						
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 27, 2018						
Pre-amplifier	HP	8447D	2727A05017	Sep. 27, 2018						
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 27, 2018						
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 27, 2018						
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 27, 2018						
Horn Antenna	Schwarzbeck	BBH 9170	582	Jun. 07, 2018						
Antenna Mast	Keleto	CC-A-4M	N/A	N/A						
Coax cable (9KHz-1GHz)	тст	RE-low-01	N/A	Sep. 27, 2018						
Coax cable (9KHz-40GHz)	тст	RE-high-02	N/A	Sep. 27, 2018						
Coax cable (9KHz-1GHz)	тст	RE-low-03	N/A	Sep. 27, 2018						
Coax cable (9KHz-40GHz)	тст	RE-high-04	N/A	Sep. 27, 2018						
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A						

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

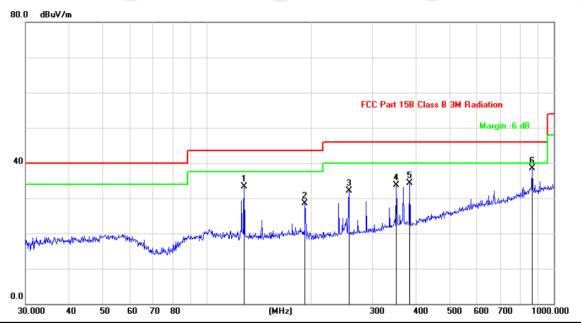


6.8.3. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:



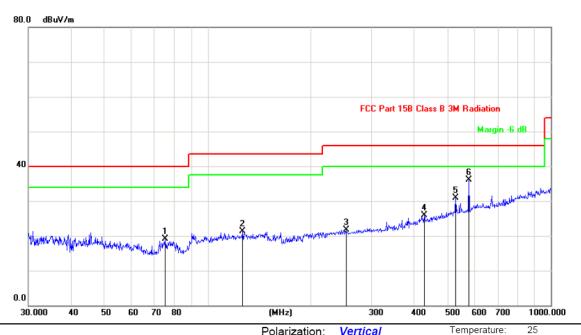
Site Polarization: Horizontal Temperature: 25
Limit: FCC Part 15B Class B 3M Radiation Power: DC 3V Humidity: 55 %

N	o. N	1k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
			MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
	1	128	8.1128	48.59	-15.33	33.26	43.50	-10.24	peak			
	2	191	1.7450	41.83	-13.24	28.59	43.50	-14.91	peak			
	3	256	6.5210	42.66	-10.53	32.13	46.00	-13.87	peak			
	4	35	1.7078	40.90	-7.18	33.72	46.00	-12.28	peak			
	5	383	3.9318	40.60	-6.26	34.34	46.00	-11.66	peak			
	6 *	866	6.0878	35.69	2.82	38.51	46.00	-7.49	peak			





Vertical:



Site Polarization: Vertical Temperature: 25
Limit: FCC Part 15B Class B 3M Radiation Power: DC 3V Humidity: 55 %

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1		75.1821	36.29	-17.27	19.02	40.00	-20.98	peak			
2		126.3285	36.37	-15.08	21.29	43.50	-22.21	peak			
3		252.9482	32.48	-10.69	21.79	46.00	-24.21	peak			
4		428.0192	31.03	-5.05	25.98	46.00	-20.02	peak			
5		528.2458	33.45	-2.45	31.00	46.00	-15.00	peak			
6	*	576.6443	37.49	-1.31	36.18	46.00	-9.82	peak			

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Middle channel) was submitted only.





Above 1GHz

Low chann	el: 2402 M	1Hz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
2390	Н	44.03		-8.27	35.76		74	54	-18.24
4804	Н	44.19		0.66	44.85		74	54	-9.15
7206	Н	34.25		9.5	43.75		74	54	-10.25
	H						-		
	(.G)		(.G			.(1)		(G)	
2390	V	43.65		-8.27	35.38	<u></u>	74	54	-18.62
4804	V	45.37		0.66	46.03		74	54	-7.97
7206	V	40.31		9.5	49.81		74	54	-4.19
	V						7		

Middle cha	Middle channel: 2440 MHz											
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)			
4880	(CH)	41.67	-420	0.99	42.66	(C)	74	54	-11.34			
7320	H	38.78	-	9.87	48.65		74	54	-5.35			
	Н											
4880	V	42.96		0.99	43.95		74	54	-10.05			
7320	V	39.01		9.87	48.88		74	54	-5.12			
	V				-							

High channel: 2480 MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)	
2483.5	Н	45.86		-7.83	38.03		74	54	-15.97	
4960	Н	47.89		1.33	49.22		74	54	-4.78	
7440	Н	39.9		10.22	50.12		74	54	-3.88	
<i></i>	Н	(<u>-</u>)		()		\\\/			
2483.5	V	48.06		-7.83	40.23		74	54	-13.77	
4960	V	47.06		1.33	48.39		74	54	-5.61	
7440	CV	39.22	-4,0	10.22	49.44	·O-7	74	54	-4.56	
	V			/		<u></u>				

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

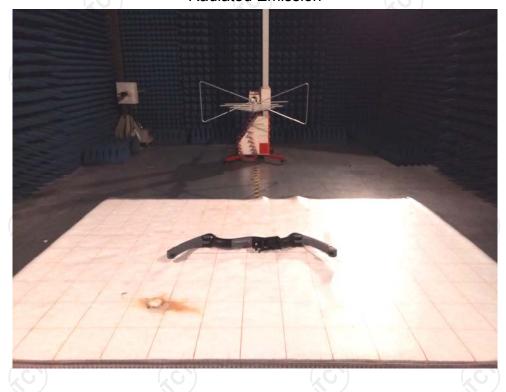
Page 28 of 34

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



Appendix A: Photographs of Test Setup

Product: Smart Mobile Games bow Model: VR04 Radiated Emission







Appendix B: Photographs of EUT Product: Smart Mobile Games bow

Model: VR04 External Photos



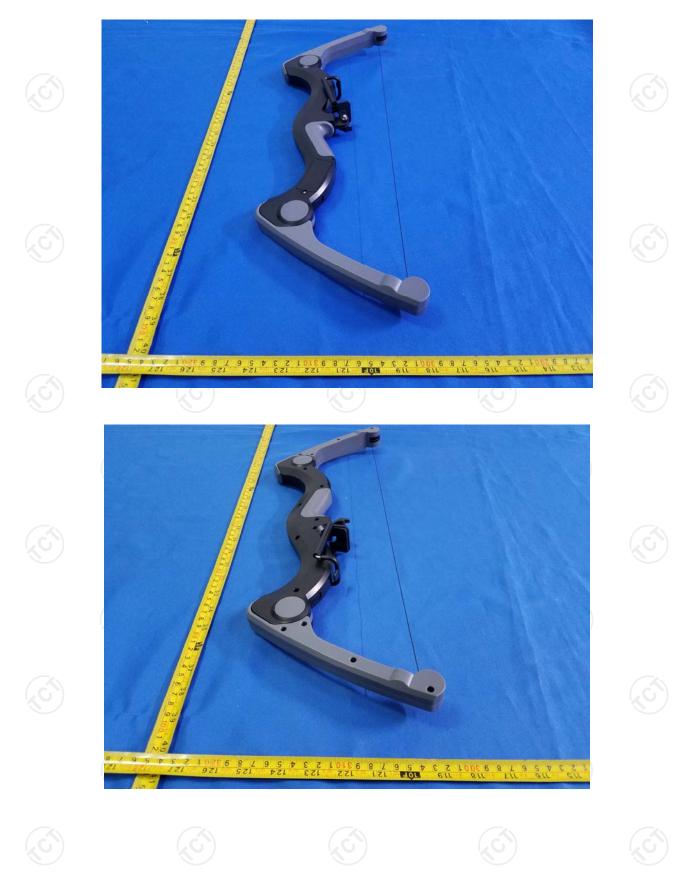






TCT通测检测 testing centre technology

Report No.: TCT180110E016



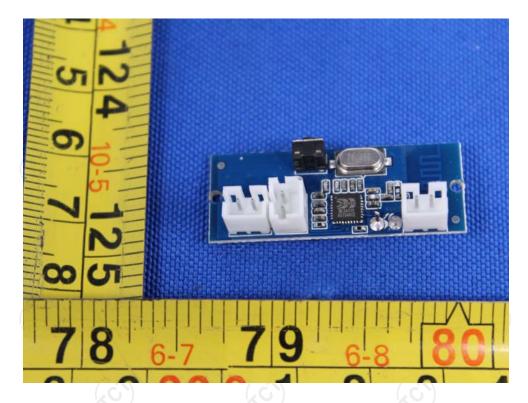


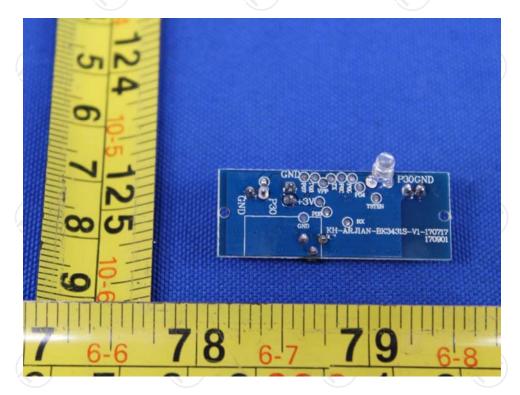
Product: Smart Mobile Games bow Model: VR04 Internal Photos











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