

Report No.:DDT-R22030222-2E03

Issued Date: Apr. 07, 2022

FCC AND ISED CERTIFICATION TEST REPORT

FOR

Applicant	••	Harman International Industries, Inc.	
Address	• •	8500 Balboa Boulevard, Northridge, CA 91329, UNITED STATES	
Equipment under Test	••	Portable Bluetooth Speaker	
Model No.	••	XTREME 3G	
Trade Mark	••	JBL	
FCC ID	•	APIJBLXTREME3G	
IC	•	6132A-JBLXTREME3G	
Manufacturer	•	Harman International Industries, Inc.	
Address	•	8500 Balboa Boulevard, Northridge, CA 91329, UNITED STATES	

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park,
Dongguan City, Guangdong Province, China, 523808

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Test Report Declare

Report No.: DDT-R22030222-2E03

	_			
Applicant	:	Harman International Industries, Inc.		
Address	:	8500 Balboa Boulevard, Northridge, CA 91329, UNITED STATES		
Equipment under Test	:	ortable Bluetooth Speaker		
Model No.	:	CTREME 3G		
Trade mark	:	BL		
Manufacturer	ě.	Harman International Industries, Inc.		
Address		8500 Balboa Boulevard, Northridge, CA 91329, UNITED STATES		

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C, RSS-210 Issue 10 December 2019.

Test procedure used:

ANSI C63.10:2013, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)

We Declare:

The equipment described above is tested by Dongguan Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC&ISED standards.

Report No:	DDT-R22030222-2E03	7	-07
Date of Receipt:	Mar. 04, 2022	Date of Test:	Mar. 04, 2022 ~ Apr. 07, 2022

Prepared By:

Ella Gong/Engineer

Ella Gong

Damon Hu/EMC Manager

Approved E

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions		Issue Date	Revised By
	Initial issue		Apr. 07, 2022	(3)
	201	201		1

1. Summary of Test Results

The EUT have been tested according to the applicable standards as referenced below.			
Description of Test Item	Standard	Results	
Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.249 ANSI C63.10:2013 RSS-210 Issue 10 RSS-Gen Issue 5	Pass	
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10:2013 RSS-Gen Issue 5	Pass	

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Note:

- 1. This report changes the IC (for specific IC changes, see Note 3) on the basis of the report DDT-R20052205-1E6 Rev. 02, this change based on engineering judgment that only Radiated Emission (below 1 GHz) and Power Line Conducted Emissions need to test.
- 2. Please refer to report DDT-R20052205-1E6 Rev. 02 for the other original data.
- 3. The specific changes are as follows:
- a. Change PD IC TPS65987(U29) to SC1833(U35);
- b. Change charging IC BQ25713(U25) to SC1896 by pin to pin;
- c. Change step-down IC TPS56339(U28) to MP2328C(U20);
- d. Change the boost IC TPS61023(U34) to MP3414A(U28);
- e. Change step-down IC SY8263AIC(U20) to MT3623NSCR(U5);
- f. Change the supplier of Bluetooth module IC that doesn't change the layout;
- g. Change LDO IC MST5333(U33) to MST5433 by pin to pin;
- h. Change audio amplifier IC TPA3116(U1,U2) to AW83118 by pin to pin;
- i. Remove protector IC TPD6S300(U21).

2. General Test Information

2.1. Description of EUT

EUT* Name	Portable Bluetooth Speaker	
Model Number	CTREME 3G	
EUT function description	: Please reference user manual of this device	
Power supply : DC 5V/9V/12V/15V/20V 3.0A from external AC Adapter DC 7.2V Polymer Li-ion built-in battery		
Operation frequency	: 2407 MHz - 2475 MHz	
Modulation	: GFSK, π/4-DQPSK, 8DPSK	
Antenna Type	: Dedicated FPC antenna, maximum PK gain: 3.39 dBi	
Sample Type	: S22030222-16	

Note: EUT is the abbreviation of equipment under test.

EUT channels and frequencies list:

Channel inforr	nation				_
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
5	2407	28	2430	51	2453
6	2408	29	2431	52	2454
7	2409	30	2432	53	2455
8	2410	31	2433	54	2456
9	2411	32	2434	55	2457
10	2412	33	2435	56	2458
11	2413	34	2436	57	2459
12	2414	35	2437	58	2460
13	2415	36	2438	59	2461
14	2416	37	2439	60	2462
15	2417	38	2440	61	2463
16	2418	39	2441	62	2464
17	2419	40	2442	63	2465
18	2420	41	2443	64	2466
19	2421	42	2444	65	2467
20	2422	43	2445	66	2468
21	2423	44	2446	67	2469
22	2424	45	2447	68	2470
23	2425	46	2448	69	2471
24	2426	47	2449	70	2472
25	2427	48	2450	71	2473
26	2428	8 49	2451	® 72	2474
27	2429	50	2452	73	2475

2.2. Accessories of EUT

Description of Accessories	Manufacturer Model number		Description	Remark
AC Adapter	Group Intellect Power Technology Limited	GHWM-PD6 0W-WC	Input: 100-240V ~ 50/60 Hz 1.5A Output: 5.0V==3.0A, 9.0V==3.0A, 12.0V==3.0A, 15.0V==3.0A, 20.0V==3.0A	N/A

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2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
N/A	N/A	N/A	N/A	N/A

2.4. Block diagram of EUT configuration for test



Test software: FCCTool.EXE

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

Tested mode, channel, information		
Mode	Channel	Frequency (MHz)
(8)	CH5	2407
GFSK Tx mode	CH39	2441
	CH73	2475
	CH5	2407
π/4-DQPSK Tx mode	CH39	2441
	CH73	2475
(8)	CH5	2407
8DPSK Tx mode	CH39	2441
	CH73	2475

2.5. Test environment conditions

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

Temperature range:	21-25 °C
Humidity range:	40-75%
Pressure range:	86-106 kPa

2.6. Deviations of test standard

No deviation.

2.7. Test laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City,

Report No.: DDT-R22030222-2E03

Guangdong Province, China, 523808.

Tel.: +86-0769-38826678, http://www.dgddt.com, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, G-20118

2.8. Measurement uncertainty

Test Item	Uncertainty						
Bandwidth	1.1%						
Book Output Bower (Conducted) (Spectrum analyzer)	0.86 dB (10 MHz ≤ f < 3.6 GHz);						
Peak Output Power (Conducted) (Spectrum analyzer)	1.38 dB (3.6 GHz ≤ f < 8 GHz)						
Peak Output Power (Conducted) (Power Sensor)	0.74 dB						
Power Spectral Density	$0.74 \text{ dB } (10 \text{ MHz} \le f < 3.6 \text{ GHz});$						
Power Spectral Density	1.38 dB (3.6 GHz ≤ f < 8 GHz)						
	0.86 dB (10 MHz ≤ f < 3.6 GHz);						
Conducted spurious emissions	1.40 dB (3.6 GHz ≤ f < 8 GHz)						
	1.66 dB (8 GHz ≤ f < 22 GHz)						
Uncertainty for radio frequency (RBW < 20 kHz)	3×10 ⁻⁸						
Temperature	0.4 °C						
Humidity	2%						
Uncertainty for Radiation Emission test	4.70 dB (Antenna Polarize: V)						
(30 MHz - 1 GHz)	4.84 dB (Antenna Polarize: H)						
Uncertainty for Radiation Emission test	4.10 dB (1-6 GHz)						
(1 GHz - 18 GHz)	4.40 dB (6 GHz - 18 GHz)						
Uncertainty for Power line conduction emission test	3.32 dB (150 kHz - 30 MHz)						
Note: This uncertainty represents an expanded uncertainty expressed at approximately the							

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

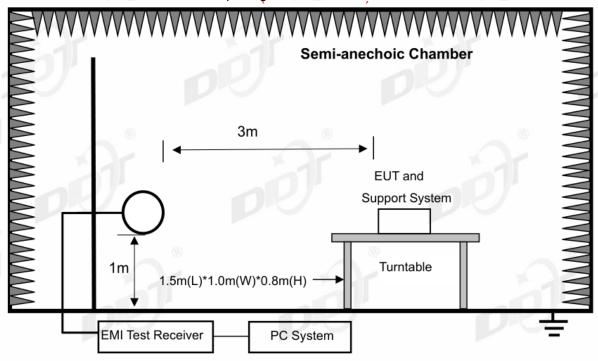
3. Equipment Used During Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
⊠Radiation 3#chamb	per		®	®	
EMI Test Receiver	R&S	ESU	100472	Jun. 01, 2021	1 Year
Spectrum analyzer	Agilent	E4447A	MY50180031	Jun. 01, 2021	1 Year
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Sep. 19, 2021	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	01429	Aug. 07, 2021	1 Year
Double Ridged Horn Antenna	Schwarzbeck	BBHA9120	02108	Jul. 17, 2021	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	May 08, 2021	1 Year
Pre-amplifier	COM-POWE R	PAM-118A	18040084	Sep. 02, 2021	1 Year
Pre-amplifier	COM-POWE R	PAM-840A	461369	Mar. 15, 2022	1 Year
Test software	Audix	E3	V 6.1.1.1	N/A	N/A
⊠Power Line Condu	cted Emissions	Test 1#			-101
Test Receiver	R&S	ESCI	100551	Sep. 02, 2021	1 Year
LISN 1	R&S	ENV216	101109	Sep. 02, 2021	1 Year
LISN 2	R&S	ESH2-Z5	100309	Sep. 02, 2021	1 Year
Pulse Limiter	R&S	ESH3-Z2	101242	Sep. 02, 2021	1 Year
CE Cable 1	HUBSER	N/A	W10.01	Sep. 02, 2021	1 Year
LISN 3	SCHWARZB ECK	NSLK 8163	00017	Sep. 02, 2021	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A

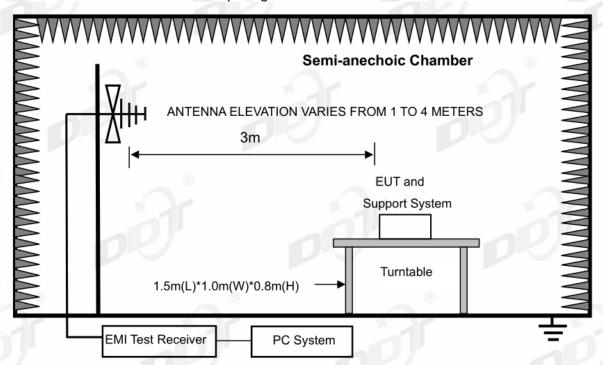
4. Radiated Emission

4.1. Block diagram of test setup

In 3 m Anechoic Chamber Test Setup Diagram for 9 kHz - 30 MHz



In 3 m Anechoic Chamber Test Setup Diagram for 30 MHz - 1 GHz



Semi-anechoic Chamber

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS

3m

EUT and
Support System

1.5m(L)*1.0m(W)*1.5m(H)

Turntable

Pre-Amplifier

EMI Test Receiver

PC System

In 3 m Anechoic Chamber Test Setup Diagram for frequency above 1 GHz

Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

4.2. Limit

FR	EQUE	NCY	DISTANCE	FIELD STRE	NGTHS LIMIT			
	MH	Z	Meters	μV/m	dB(μV)/m			
30	~	88	3	100	40.0			
88	~	216	3	150	43.5			
216	~	960	3®	200	46.0			
960	~	1000	3	500	54.0			
Abov	/e 100	00 MHz	3	· · ·	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)			
Fundame	Field Strength of damental emission for 3 4 GHz - 2.4835 GHz			94.0 dB(μV)/m (Average) 114.0 dB(μV)/m (Peak)				
	d Stre	ngth of nics	3		V)/m (Peak) /)/m (Average)			

Remark:

- (1) Emission level $dB\mu V = 20 \log Emission level \mu V/m$
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.
- (4) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz, radiated emission limits in these three bands are based on measurements employing an average detector.

4.3. Test procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.
- (2) Setup EUT and assistant system according clause 2.3
- (3) Test antenna was located 3 m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.
 - (a) Change work frequency or channel of device if practicable.
 - (b) Change modulation type of device if practicable.
 - (c) Change power supply range from 85% to 115% of the rated supply voltage
- (d) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions
- (4) Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so below final test was performed with frequency range from 30 MHz to 18 GHz.
- (5) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.
- (6) For emissions from 30 MHz to 1 GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 kHz.
- (7) For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; according ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.
- (8) For fundamental frequency test, set spectrum analyzer's RBW= 3 MHz, VBW= 10 MHz. Peak detector for PK, according ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.
- (9) X axis, Y axis, Z axis are tested, and worse setup X axis is reported.

4.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limit.

Note1: According exploratory test no any obvious emission was detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in GFSK, Tx 2407 MHz mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

Radiated Emission test (below 1 GHz)

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

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Test Date : 2022-03-10

Tested By : Kennys Zhang

EUT : Portable Bluetooth Speaker

Model Number : XTREME 3G

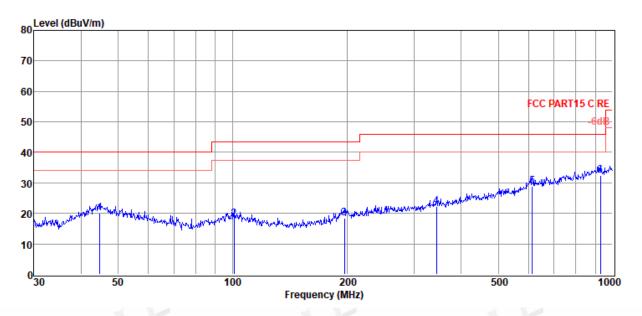
Power Supply : Battery

Test Mode : Tx Mode

Condition: Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance: 2021 VLUB 9163 3#/3m/HORIZONTAL

Memo : SRD



Item (Mark)	Freq.	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	44.74	1.39	15.07	3.64	20.10	40.00	-19.90	QP	HORIZONTAL
2	100.93	2.50	11.59	3.99	18.08	43.50	-25.42	QP	HORIZONTAL
® 3	197.20	2.23	11.82	4.44	18.49	43.50	-25.01	QP	HORIZONTAL
4	344.39	2.59	14.68	4.98	22.25	46.00	-23.75	QP	HORIZONTAL
5	614.21	3.95	19.12	5.78	28.85	46.00	-17.15	QP	HORIZONTAL
6	929.01	3.62	22.40	6.53	32.55	46.00	-13.45	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# C:\E3 6.111\2022 Report Data\Q22030222-2E XTREME 3G\新

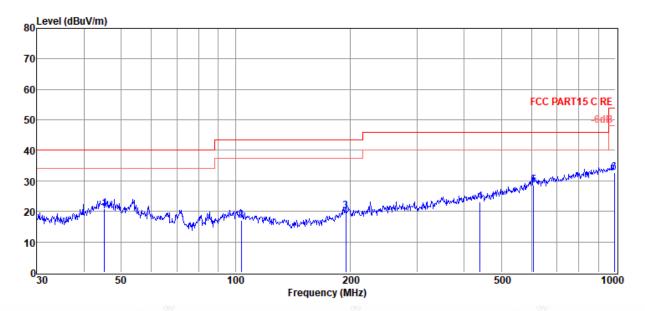
建文件夹\FCC BELOW 1G.EM6

Test Date : 2022-03-10 Tested By : Kennys Zhang

Power Supply : Battery Test Mode : Tx Mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa Antenna/Distance : 2021 VLUB 9163 3#/3m/VERTICAL

Memo S : SRD



Item (Mark)	Freq.	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization			
1	45.22	2.30	14.99	3.65	20.94	40.00	-19.06	QP	VERTICAL			
2	103.44	1.57	11.41	4.00	16.98	43.50	-26.52	QP	VERTICAL			
3	195.14	3.97	11.71	4.43	20.11	43.50	-23.39	QP	VERTICAL			
® 4	440.20	1.67	16.09	5.29	23.05	46.00	-22.95	QP	VERTICAL			
5	607.79	3.53	19.20	5.76	28.49	46.00	-17.51	QP	VERTICAL			
6	993.01	3.58	22.40	6.80	32.78	54.00	-21.22	QP	VERTICAL			

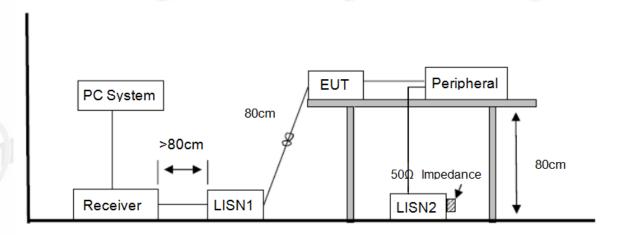
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

5. Power Line Conducted Emission

5.1. Block diagram of test setup



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5.2. Power line conducted emission limits

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)		
150 kHz ~ 500 kHz	© 66 ~ 56*	56 ~ 46*		
500 kHz ~ 5 MHz	56	46		
5 MHz ~ 30 MHz	60	50		

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

5.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 7.1 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level. The EUT configuration and worse cable configuration of the above highest emission levels were

recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

5.4. Test Result

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "----" means Peak detection; "-----" means Average detection.

Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/60Hz,

recorded worst case.

TR-4-E-010 Conducted Emission Test Result

D:\2022 CE report date\Q22030222-2E XTREME **Test Site** : DDT 1# Shield Room

3G\FCC.EM6

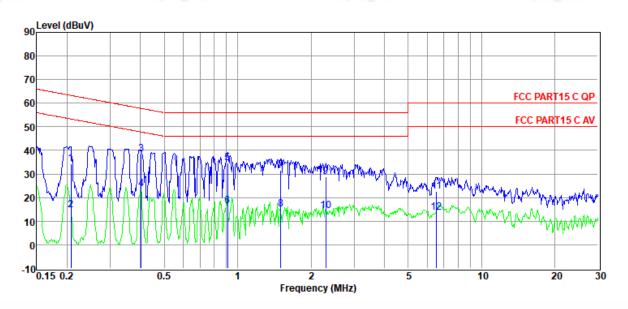
Test Date : 2022-03-15 **Tested By** : Kennys Zhang

: XTREME 3G **EUT** : Portable Bluetooth Speaker **Model Number**

Power Supply : AC 120V/60Hz **Test Mode**

Condition : TEMP:24.3°C, RH:53.0%, BP:101.0kPa LISN : 2021 1# ENV216/LINE

Memo



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter	Result Level	Limit Line	Over Limit	Detector	Phase
		Level	Factor	LUSS	Factor	Level	Lille	Lillin		
(Mark)	(MHz)	(dBµV)	(dB)	(dB)	(dB)	(dBµV)	(dBµV)	(dB)		
1	0.21	14.62	9.79	0.01	9.92	34.34	63.32	-28.98	QP	LINE
2	0.21	-5.01	9.79	0.01	9.92	14.71	53.32	-38.61	Average	LINE
3	0.40	18.88	9.65	0.02	9.91	38.46	57.81	-19.35	QP	LINE
4	0.40	4.11	9.65	0.02	9.91	23.69	47.81	-24.12	Average	LINE
5	0.91	15.12	9.57	0.03	9.90	34.62	56.00	-21.38	QP	LINE
6	0.91	-3.12	9.57	0.03	9.90	16.38	46.00	-29.62	Average	LINE
7	1.50	12.15	9.54	0.04	9.89	31.62	56.00	-24.38	QP	LINE
8	1.50	-4.37	9.54	0.04	9.89	15.10	46.00	-30.90	Average	LINE
9	2.30	9.30	9.52	0.05	9.90	28.77	56.00	-27.23	QP	LINE
10	2.30	-5.01	9.52	0.05	9.90	14.46	46.00	-31.54	Average	LINE
11	6.52	3.11	9.51	0.08	9.94	22.64	60.00	37.36	QP	LINE
12	6.52	-5.80	9.51	0.08	9.94	13.73	50.00	-36.27	Average	LINE

- 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
- 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
- 4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room D:\2022 CE report date\Q22030222-2E XTREME

3G\FCC.EM6

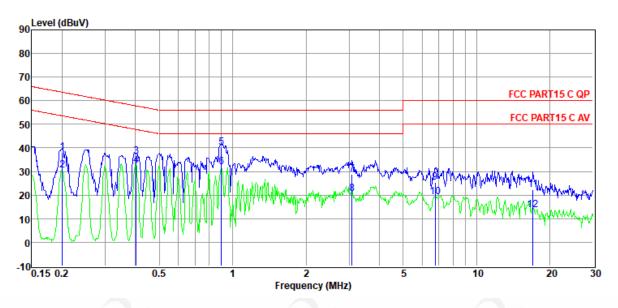
Report No.: DDT-R22030222-2E03

Test Date : 2022-03-15 Tested By : Kennys Zhang

Power Supply : AC 120V/60Hz Test Mode : TX

Condition : TEMP:24.3°C, RH:53.0%, BP:101.0kPa **LISN** : 2021 1# ENV216/NEUTRAL

Memo : SRD



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBµV)	(dB)	(dB)	(dB)	(dBµV)	(dBµV)	(dB)		
1	0.20	18.36	9.80	0.01	9.92	38.09	63.58	-25.49	QP	NEUTRAL
2	0.20	10.86	9.80	0.01	9.92	30.59	53.58	-22.99	Average	NEUTRAL
3	0.40	16.82	9.57	0.02	9.91	36.32	57.81	-21.49	QP	NEUTRAL
4	0.40	13.12	9.57	0.02	9.91	32.62	47.81	-15.19	Average	NEUTRAL
5	0.90	20.35	9.73	0.03	9.90	40.01	56.00	-15.99	QP	NEUTRAL
6	0.90	12.43	9.73	0.03	9.90	32.09	46.00	-13.91	Average	NEUTRAL
7	3.09	9.04	9.73	0.05	9.91	28.73	56.00	-27.27	QP	NEUTRAL
8	3.09	1.05	9.73	0.05	9.91	20.74	46.00	-25.26	Average	NEUTRAL
9	6.77	5.78	9.61	0.08	9.94	25.41	60.00	-34.59	QP	NEUTRAL
10	9 6.77	-0.27	9.61	0.08	9.94	19.36	50.00	-30.64	Average	NEUTRAL
11	17.02	2.34	9.69	0.16	9.94	22.13	60.00	-37.87	QP	NEUTRAL
12	17.02	-5.92	9.69	0.16	9.94	13.87	50.00	-36.13	Average	NEUTRAL

Note

- 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
- 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
- 4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.