

Supersede Technical Report No.: (5215)315-0261(Revision)

TEST REPORT

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Folder No.:								
F	IADA (E	0041	2) TOYO OO 1 TD					
Factory name:	JADA (F		3) TOYS CO., LTD					
Location:			ng, China PLAY SET					
Product:			el No.:					
			Sample No:	(5215)315-0261				
			Date of Receipt	November 12, 2015				
Pleas	se see the exhibit "External Photo"		Test date:	November 26, 2015 to December 28, 2015				
			Test Requested:	FCC Part 15 - 2012				
			Test Method:	ANSI C63.4 - 2009				
			FCC ID:	2ACU8INT102				
The results g	given in this report are related to the tes	sted sp	ecimen of the des	cribed electrical apparatus.				
CONCLUSION:	The submitted sample was found to <u>CC</u>	MPLY	with requirement	of FCC Part 15 Subpart C.				
	Authorized	Signat	ure:					
(aul							
Reviewed by: Ke	ith Yeung	Approv	Approved by: Law Man Kit					
Date: December	Ü		ate: December 31, 2015					

BUREAU VERITAS HONG KONG LIMITED – Kowloon Bay Office 1/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon,HONG KONG Tal: +852 2331 0888

Tel: +852 2331 0888 Fax: +852 2331 0889 www.cps.bureauveritas.com This report is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. Our report is limited to the test samples identified herein. The results set forth in this report are not necessarily indicative or representative of the statistical quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof. You shall have thirty days from receipt of this report to request additional testing of the samples or to notify us of any errors or omissions relating to our report, provided, however, such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report



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Test Result Summary

EMISS	EMISSION TEST											
Test requirement: FCC Part 15 - 2012												
Test Condition	Toot Mothod	Test	Result									
Test Condition	Test Method	Pass	Failed									
Radiated Emission Test,	ANSI C63.4	\boxtimes										
9kHz to 40GHz			_									
Frequency range of Fundamental Emission	ANSI C63.4	\boxtimes										
26dB Bandwidth of Fundamental Emission	ANSI C63.4	\boxtimes										
Duty Cycle Correction During 100msec	ANSI C63.4	\boxtimes										

Report Revision & Sample Re-submit History:

Revision: update test result

Revision 1: update product information

Sample first submission date: November 12, 2015 Sample second submission date: December 07, 2015 Sample third submission date: December 24, 2015



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Location of the test laboratory

Radiated and Conducted emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.4 – 2009. An Open Area Test Site and Full Anechoic Chamber (FCC Listed Site, Registration No. 642151) are set up for investigation and located at:

BUREAU VERITAS HONG KONG LIMITED, EMC CENTRE

No. 2106-2107, 21/F., Westin Centre, 26 Hung To Road, Kwun Tong, Kowloon, Hong Kong

List of measuring equipment

Radiated Emission

		rtaaiatoa	Nadiated Emission												
EQUIPMENT	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CALIBRATION	CALIBRATION DUE										
EMI TEST RECEIVER	R&S	ESCI	100379	04-FEB-2015	03-FEB-2016										
SIGNAL ANALYZER 40GHZ	ROHDE & SCHWARZ	FSV 40	100977	30-JUN-2015	29-JUN-2016										
SPECTRUM ANALYZER	R&S	R3127	111000909	27-APR-2015	26-APR-2016										
LOOP ANTENNA	ETS LINDGREN	6502	00102266	06-NOV-2015	05-NOV-2016										
BILOG ANTENNA	SCHAFFNER	CBL6112D	25229	03-FEB-2015	02-FEB-2016										
HORN ANTENNA	SCHWARZBECK	BBHA9120D	9120D-692	27-DEC-2014	26-DEC-2016										
WIDEBAND HORN STEATITE ANTENNA 18 TO 40GHZ		QWH-SL-18-40-K-SG	12688	03-SEP-2015	02-SEP-2016										
PREAMPLIFIER	SCHWARZBECK	BBV9718	9718-152	13-OCT-2015	12-OCT-2016										
OPEN AREA TEST SITE	BVCPS	N/A	N/A	19-JUN-2015	18-JUN-2016										
ANECHOIC CHAMBER	ALBATROSS	M-CDC	80374004499B	13-FEB-2015	12-FEB-2016										
COAXIAL CABLE	SUHNER	N/A	N/A	08-JAN-2015	07-JAN-2016										
HIGH FREQUENCY RF CABLE	ROHDE & SCHWARZ	N/A	N/A	04-NOV-2015	03-NOV-2016										

Measurement Uncertainty

MEASUREMENT	FREQUENCY	UNCERTAINTY		
Radiated emissions	9kHz to 30MHz	4.2dB		
	30MHz to 1GHz	5.0dB		
Radiated emissions	1GHz to 18GHz	4.9dB		
	18GHz to 40GHz	4.8dB		

Remarks:-

N/A: Not Applicable or Not Available

The measurement instrumentation uncertainty would be taking into consideration on each of the test result



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Equipment Under Test [EUT] Description of Sample:

Model Name: ROLEPLAY SET

Model Number: --

Rating: 4.5Vd.c. ("AAA" size battery x 3)

Description of EUT Operation:

The Equipment Under Test (EUT) is a **INTERNATIONAL TOY INC.** of Remote Control Transceiver. It is 2 buttons & 1 knob transceiver and operating at 2407MHz to 2477MHz. The lowest, middle and highest frequencies were tested and the results are shown in the report. The EUT transmit while sticks are being pushed or pulled, Modulation by IC, and type is GFSK. There are total 20 channels and below is the frequency list (MHz):

2407	2410	2416	2419	2421	2425	2427	2429	2431	2433
2435	2437	2439	2441	2443	2445	2451	2455	2471	2477

The transceiver has different control:

- 1. Top button TRY-ME
- 2. Knob ON/OFF power control & Volume control
- 3. Left Stick Transmit/Receive control

Antenna Requirement (Section 15.203)

The EUT is use of a permanently antenna. It is soldered on the PCB. The antenna consists of 5.5cm long wire The antenna is not replaceable or user serviceable. The requirements of S15.203 are met. There are no deviations or exceptions to the specifications.

Photo of Antenna
Please see the exhibit "Internal Photo"



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Test Results

Radiated Emissions (Fundamental)

Test Requirement: FCC Part 15 Section 15.249

Test Method:

Test Date(s):

Temperature:

Humidity:

ANSI C63.4

2015-12-28

20.0 °C

71.0 %

Atmospheric Pressure:

100.2 kPa

Mode of Operation: Transmission mode

Tested Voltage: 4.5Vd.c. ("AAA" size battery x 3)

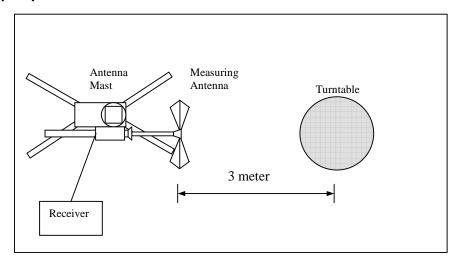
Test Procedure:

Radiated emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.4 – 2009.

The equipment under test (EUT) was placed on a non-conductive turntable with dimensions of 1.5m x 1m and 0.8m high above the ground. 3m from the EUT, a broadband antenna mounting on the mast received the signal strength. 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, For battery operated equipment, the equipment tests shall be perform using new battery. The turntable was rotated to maximize the emission level. The antenna was then moving along the mast from 1m up to 4m until no more higher value was found. Both horizontal and vertical polarization of the antenna were placed and investigated.

Location: The Roof, Westin Centre, 26 Hung To Road, Kwun Tong, Kowloon, Hong Kong

Test Setup: Open Area Test Site





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Limits for Field Strength of Fundamental Emissions [FCC 47CFR 15.249]:

Frequency Range of	Field Strength of	Field Strength of
Fundamental	Fundamental Emission	Harmonics Emission
	(Average)	(Average)
[MHz]	[mV/m] ´	[μV/m]
2400-2483.5	50	500

Measurement Data

Test Result of (Transmission mode, Lowest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
2407.00	Н	*0.0	-24.4	76.4	114.0	-37.6	**52.0	94.0	-42.0
2407.00	V	*0.0	-24.4	80.4	114.0	-33.6	**56.0	94.0	-38.0

Test Result of (Transmission mode, Middle frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
2443.00	Н	*0.0	-24.4	76.5	114.0	-37.5	**52.1	94.0	-41.9
2443.00	V	*0.0	-24.4	81.3	114.0	-32.7	**56.9	94.0	-37.1

Test Result of (Transmission mode, Highest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
2477.00	Н	*0.0	-24.4	77.9	114.0	-36.1	**53.5	94.0	-40.5
2477.00	V	*0.0	-24.4	82.5	114.0	-31.5	**58.1	94.0	-35.9

[#] For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz VBW = 1MHz

Correction factor: Antenna factor + Cable loss - Gain of pre-amplifier

^{**}Duty Cycle Correction = 20Log(0.06) = -24.4dB.



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Radiated Emissions (Spurious Emission)

Test Requirement: FCC Part 15 Section 15.249

Test Method: ANSI C63.4

Test Date(s): 2015-12-28

Temperature: 20.0 °C

Humidity: 71.0 %

Atmospheric Pressure: 100.2 kPa

Mode of Operation: Transmission mode

Tested Voltage: 4.5Vd.c. ("AAA" size battery x 3)

Measurement Data

Test Result of (Transmission mode, Lowest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4814.00	Η	5.9	-24.4	49.1	74.0	-24.9	**24.7	54.0	-29.3
7221.00	Н	12.7	-24.4	50.3	74.0	-23.7	**25.9	54.0	-28.1
9628.00	Н	16.4	-24.4	52.7	74.0	-21.3	**28.3	54.0	-25.7
12035.00	Н	18.4	-24.4	56.0	74.0	-18.0	**31.6	54.0	-22.4
14442.00	Н	23.2	-24.4	62.0	74.0	-12.0	**37.6	54.0	-16.4
16849.00	Н	22.0	-24.4	62.6	74.0	-11.4	**38.2	54.0	-15.8
19256.00	Н	46.3	-24.4	62.1	74.0	-11.9	**37.7	54.0	-16.3
21663.00	Н	47.1	-24.4	60.3	74.0	-13.7	**35.9	54.0	-18.1
24070.00	Н	47.5	-24.4	61.1	74.0	-12.9	**36.7	54.0	-17.3
26477.00	Н	48.5	-24.4	62.4	74.0	-11.6	**38.0	54.0	-16.0

[#] For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz

VBW = 1MHz

^{*} Correction factor: Antenna factor + Cable loss - Gain of pre-amplifier

^{**}Duty Cycle Correction = 20Log(0.06) = -24.4dB.



Supersede Technical Report No.: (5215)315-0261(Revision)

Measurement Data

Test Result of (Transmission mode, Lowest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4814.00	V	5.9	-24.4	49.4	74.0	-24.6	**25.0	54.0	-29.0
7221.00	V	12.7	-24.4	50.1	74.0	-23.9	**25.7	54.0	-28.3
9628.00	V	16.4	-24.4	53.5	74.0	-20.5	**29.1	54.0	-24.9
12035.00	V	18.4	-24.4	55.6	74.0	-18.4	**31.2	54.0	-22.8
14442.00	V	23.2	-24.4	61.4	74.0	-12.6	**37.0	54.0	-17.0
16849.00	V	22.0	-24.4	62.8	74.0	-11.2	**38.4	54.0	-15.6
19256.00	V	46.3	-24.4	62.2	74.0	-11.8	**37.8	54.0	-16.2
21663.00	V	47.1	-24.4	61.6	74.0	-12.4	**37.2	54.0	-16.8
24070.00	V	47.5	-24.4	63.1	74.0	-10.9	**38.7	54.0	-15.3
26477.00	V	48.5	-24.4	62.3	74.0	-11.7	**37.9	54.0	-16.1

[#] For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz

VBW = 1MHz

^{*} Correction factor: Antenna factor + Cable loss - Gain of pre-amplifier

^{**}Duty Cycle Correction = 20Log(0.06) = -24.4dB.



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Measurement Data

Test Result of (Transmission mode, Middle frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBμV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4886.00	Н	5.9	-24.4	47.3	74.0	-26.7	**22.9	54.0	-31.1
7329.00	Η	12.7	-24.4	50.1	74.0	-23.9	**25.7	54.0	-28.3
9772.00	Н	16.4	-24.4	52.7	74.0	-21.3	**28.3	54.0	-25.7
12215.00	Н	18.6	-24.4	56.6	74.0	-17.4	**32.2	54.0	-21.8
14658.00	Н	25.0	-24.4	63.6	74.0	-10.4	**39.2	54.0	-14.8
17101.00	Н	27.2	-24.4	63.8	74.0	-10.2	**39.4	54.0	-14.6
19544.00	Н	46.5	-24.4	63.2	74.0	-10.8	**38.8	54.0	-15.2
21987.00	Н	46.9	-24.4	62.3	74.0	-11.7	**37.9	54.0	-16.1
24430.00	Н	48.0	-24.4	61.9	74.0	-12.1	**37.5	54.0	-16.5
26873.00	Н	48.3	-24.4	62.6	74.0	-11.4	**38.2	54.0	-15.8

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4886.00	V	5.9	-24.4	46.5	74.0	-27.5	**22.1	54.0	-31.9
7329.00	V	12.7	-24.4	48.7	74.0	-25.3	**24.3	54.0	-29.7
9772.00	V	16.4	-24.4	51.9	74.0	-22.1	**27.5	54.0	-26.5
12215.00	V	18.6	-24.4	55.0	74.0	-19.0	**30.6	54.0	-23.4
14658.00	V	25.0	-24.4	61.4	74.0	-12.6	**37.0	54.0	-17.0
17101.00	V	27.2	-24.4	62.6	74.0	-11.4	**38.2	54.0	-15.8
19544.00	V	46.5	-24.4	63.0	74.0	-11.0	**38.6	54.0	-15.4
21987.00	V	46.9	-24.4	61.0	74.0	-13.0	**36.6	54.0	-17.4
24430.00	V	48.0	-24.4	61.7	74.0	-12.3	**37.3	54.0	-16.7
26873.00	V	48.3	-24.4	62.2	74.0	-11.8	**37.8	54.0	-16.2

[#] For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz VBW = 1MHz

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^{*} Correction factor: Antenna factor + Cable loss - Gain of pre-amplifier

^{**}Duty Cycle Correction = 20Log(0.06) = -24.4dB.



Supersede Technical Report No.: (5215)315-0261(Revision)

Measurement Data

Test Result of (Transmission mode, Highest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4954.00	Н	5.9	-24.4	48.1	74.0	-25.9	**23.7	54.0	-30.3
7431.00	Н	13.3	-24.4	50.9	74.0	-23.1	**26.5	54.0	-27.5
9908.00	Н	16.4	-24.4	53.7	74.0	-20.3	**29.3	54.0	-24.7
12385.00	Н	18.6	-24.4	56.7	74.0	-17.3	**32.3	54.0	-21.7
14862.00	Н	25.0	-24.4	63.0	74.0	-11.0	**38.6	54.0	-15.4
17339.00	Н	27.2	-24.4	63.7	74.0	-10.3	**39.3	54.0	-14.7
19816.00	Н	46.6	-24.4	63.0	74.0	-11.0	**38.6	54.0	-15.4
22293.00	Н	47.0	-24.4	61.4	74.0	-12.6	**37.0	54.0	-17.0
24770.00	Н	48.1	-24.4	62.0	74.0	-12.0	**37.6	54.0	-16.4
27247.00	Н	48.5	-24.4	61.7	74.0	-12.3	**37.3	54.0	-16.7

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4954.00	V	5.9	-24.4	46.2	74.0	-27.8	**21.8	54.0	-32.2
7431.00	V	13.3	-24.4	49.4	74.0	-24.6	**25.0	54.0	-29.0
9908.00	V	16.4	-24.4	53.2	74.0	-20.8	**28.8	54.0	-25.2
12385.00	V	18.6	-24.4	54.8	74.0	-19.2	**30.4	54.0	-23.6
14862.00	V	25.0	-24.4	62.3	74.0	-11.7	**37.9	54.0	-16.1
17339.00	V	27.2	-24.4	64.7	74.0	-9.3	**40.3	54.0	-13.7
19816.00	V	46.6	-24.4	64.2	74.0	-9.8	**39.8	54.0	-14.2
22293.00	V	47.0	-24.4	61.9	74.0	-12.1	**37.5	54.0	-16.5
24770.00	V	48.1	-24.4	62.4	74.0	-11.6	**38.0	54.0	-16.0
27247.00	V	48.5	-24.4	62.0	74.0	-12.0	**37.6	54.0	-16.4

[#] For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 1MHz

VBW = 1MHz

^{*} Correction factor: Antenna factor + Cable loss - Gain of pre-amplifier

^{**}Duty Cycle Correction = 20Log(0.06) = -24.4dB.



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Radiated Emissions (9kHz – 40GHz)

Test Requirement: FCC Part 15 Section 15.209

Test Method: ANSI C63.4

Test Date(s): 2015-11-26

Temperature: 24.0 °C

Humidity: 70.0 %

Atmospheric Pressure: 100.8 kPa Mode of Operation: On mode

Tested Voltage: 4.5Vd.c. ("AAA" size battery x 3)

Limits for Radiated Emissions [FCC 47 CFR 15.209]:

Frequency Range	Quasi-Peak Limits	Measurement Distance				
[MHz]	[μV/m]	m				
0.009-0.490	2400/F(kHz)	300				
0.490-1.705	24000/F(kHz)	30				
1.705-30	30	30				
30-88	100	3				
88-216	150	3				
216-960	200	3				
Above960	500	3				

Measurement Data

Test Result of (On mode): PASS

Detection mode: Peak

Frequency	Polarity (H/V)	Field Strength	Limit	Margin (dB)		
Emissions detected are more than 20 dB below the limit line(s) in						
9kHz to 30MHz						

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 200Hz

VBW = 200Hz



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Test Result of (On mode): PASS

Detection mode: Quasi-Peak

Frequency (MHz)	Polarity (H/V)	Field Strength at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
42.26	Н	27.3	40.0	-12.7
120.62	Н	25.7	43.5	-17.8
220.40	Н	23.0	46.0	-23.0
376.28	Н	26.8	46.0	-19.2
462.12	Н	28.4	46.0	-17.6
675.32	Н	31.0	46.0	-15.0

Frequency (MHz)	Polarity (H/V)	Field Strength at 3m (dB _µ V/m)	Limit at 3m (dBμV/m)	Margin (dB)
42.26	V	27.6	40.0	-12.4
120.62	V	25.3	43.5	-18.2
220.40	V	23.2	46.0	-22.8
376.28	V	27.2	46.0	-18.8
462.12	V	28.8	46.0	-17.2
675.32	V	31.2	46.0	-14.8

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 120KHz

VBW = 120KHz



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Frequency range of Fundamental Emission

Test Requirement: FCC 47 CFR 15.249

Test Method: ANSI C63.4:2009 (Section 13.1.7)

Test Date(s): 2015-12-28
Temperature: 20.0 °C
Humidity: 71.0 %
Atmospheric Pressure: 100.2 kPa

Mode of Operation: Transmission mode

Tested Voltage: 4.5Vd.c. ("AAA" size battery x 3)

Test Method:

The bandwidth is measured at an amplitude level reduced from the reference level by a specified ratio. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

Limits for Frequency range of Fundamental Emission:

Frequency	FCC Limits
[MHz]	[MHz]
2405.800 - 2478.320	2400.00 - 2483.50

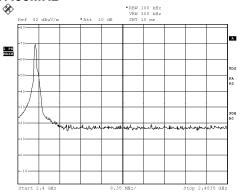


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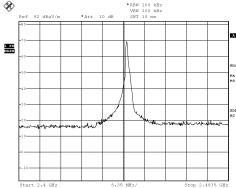
Measurement Data:

Test Result of Frequency Range of Fundamental Emission: PASS

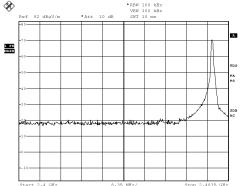
Lowest Frequency - 2407.00MHz



Middle Frequency - 2443.00MHz



Highest Frequency - 2477.00MHz



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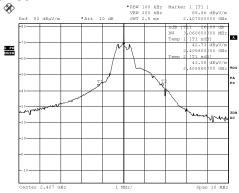


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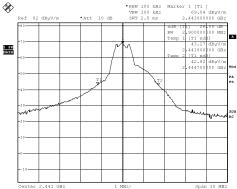
Measurement Data:

Test Result of 26dB Bandwidth of Fundamental Emission: PASS

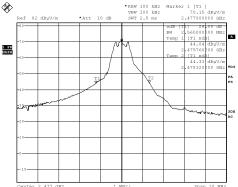
Lowest Frequency - 2407.00MHz



Middle Frequency - 2443.00MHz



Highest Frequency - 2477.00MHz



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Duty Cycle Correction During 100msec:

Each function key sends a different series of characters, but each packet period (100msec) never exceeds a series of 20 pulses (0.3 msec). Assuming any combination of short and long pulses maybe obtained due to encoding the worst case transmit duty cycle would be considered 20*0.3 per 100msec = 6% duty cycle.

Remarks:

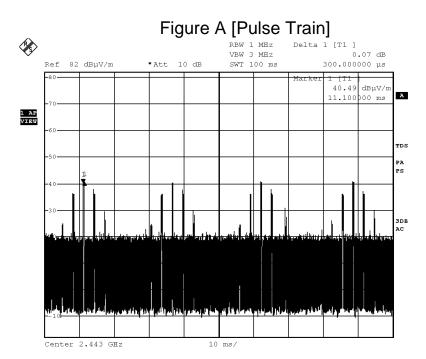
Duty Cycle Correction = 20Log(0.06) = -24.4dB

The following figures [Figure A] show the characteristics of the pulse train for one of these functions.



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Measurement Data:





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Photographs of EUT
Please see the exhibit "External Photo" & "Internal Photo"

Test Set Up
Please see the exhibit "Test setup Photo"

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