

TEST REPORT

To:	NEW BRIGHT INDUSTRIAL CO., LTD.	To:	-
Attn:	Eric Kwok	Attn:	-
Address:	9/F., NEW BRIGHT BUILDING, 11	Address:	-
	SHEUNG YUET ROAD, KOWLOON BAY,		
	KOWLOON, HONG KONG.		
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Folder No.:	<u>````````````````````````````````</u>	IY005MTHS-B-B	
FOIGEI NO	INB1-150		
Factory name:	NEW BRIGHT I	NDUSTRIAL CO., LT	D.
Location:	9/F., NEW BRIGHT BUILDING, 11 SHEU		WLOON BAY, KOWLOON,
		NG KONG.	
Product:		smitter & Receiver	
	Model	No.: GF21HA	
		Sample No:	HK150430/017
Sec. Sec.			
		Test date:	May 06, 2015
		Test Deguested	FCC Part 15 - 2012
	And the second sec	Test Requested:	FCC Part 15 - 2012
1	A CONTRACTOR OF		
	The second s	Test Method:	ANSI C63.4 - 2009
- 1.1			
		FCC ID:	G6DGF21HA
The results	given in this report are related to the tested	specimen of the des	cribed electrical apparatus.
CONCLUSION:	The submitted sample was found to COMP	<u>Y</u> with requirement	of FCC Part 15 Subpart C.
	Authorized Sign	ature:	

Approved by: Steven Tsang

Date: May 21, 2015

Reviewed by: Keith Yeung Date: May 21, 2015

BUREAU VERITAS HONG KONG LIMITED – Kowloon Bay Office 1/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon,HONG KONG Tel: +852 2331 0888 Fax: +852 2331 0889 www.cps.bureauveritas.com



TEST REPORT No: (5215)127-1763 Test Result Summary

EMISSION TEST								
Test requirement: FCC Part 15 - 2012								
Test Condition	Test Method	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	\square						

Report Revision & Sample Re-submit History:

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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								
EQUIPMENT	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CALIBRATION	CALIBRATION DUE			
EMI TEST RECEIVER	R&S	ESCI	100379	21-JAN-2015	20-JAN-2016			
SPECTRUM ANALYZER	R&S	R3127	111000909	26-MAR-2015	25-MAR-2016			
LOOP ANTENNA	ETS LINDGREN	6502	00102266	28-SEP-2014	27-SEP-2015			
BILOG ANTENNA	SCHAFFNER	CBL6112D	25229	02-JAN-2015	02-JAN-2016			
HORN ANTENNA	SCHWARZBECK	BBHA9120D	9120D-692	27-DEC-2014	26-DEC-2015			
OPEN AREA TEST SITE	BVCPS	N/A	N/A	07-JUL-2014	06-JUL-2015			
ANECHOIC CHAMBER	ALBATROSS	M-CDC	80374004499B	05-FEB-2014	03-FEB-2016			
COAXIAL CABLE	HUBER + SUHNER	RG223	N/A	23-DEC-2014	22-DEC-2015			
COAXIAL CABLE	HUBER + SUHNER	RG214	N/A	23-DEC-2014	22-DEC-2015			
Signal Analyzer 40GHz	Rohde & Schwarz	FSV 40	100977	13-MAY-2014	12-MAY-2015			
Wideband Horn Antenna 18 to 40GHz	STEATITE	QWH-SL-18-40-K-SG	12688	02-SEP-2014	01-SEP-2015			
High frequency RF cable	Rohde & Schwarz	N/A	N/A	15-SEP-2014	14-SEP-2015			

Remarks:-

N/A : Not Applicable or Not Available

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

Measurement Uncertainty

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



Equipment Under Test [EUT]	
Description of Sample:	
Model Name:	TOY Transmitter & Receiver
Model Number:	GF21HA
Additional Model Name:	
Additional Model Number:	
Additional Model information:	
Rating:	3Vd.c. ("AA" size battery x 2)

Description of EUT Operation:

The Equipment Under Test (EUT) is a **NEW BRIGHT INDUSTRIAL CO., LTD.** of Remote Control Transceiver. It is a 2 sticks transceiver and operating at 2410MHz to 2473MHz. 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 74 channels and below is the frequency list (MHz) :

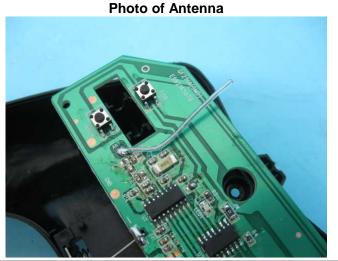
ch.no	freq.												
1	2410	13	2412	25	2424	37	2436	49	2448	61	2460	73	2472
2	2411	14	2413	26	2425	38	2437	50	2449	62	2461	74	2473
3	2412	15	2414	27	2426	39	2438	51	2450	63	2462		
4	2413	16	2415	28	2427	40	2439	52	2451	64	2463		
5	2414	17	2416	29	2428	41	2440	53	2452	65	2464		
6	2415	18	2417	30	2429	42	2441	54	2453	66	2465		
7	2416	19	2418	31	2430	43	2442	55	2454	67	2466		
8	2417	20	2419	32	2431	44	2443	56	2455	68	2467		
9	2418	21	2420	33	2432	45	2444	57	2456	69	2468		
10	2419	22	2421	34	2433	46	2445	58	2457	70	2469		
11	2410	23	2422	35	2434	47	2446	59	2458	71	2470		
12	2411	24	2423	36	2435	48	2447	60	2459	72	2471		

The transmitter has different control:

- 1. Left stick control forward and backward
- 2. Right stick control leftward and rightward

Antenna Requirement (Section 15.203)

The EUT is use of a permanently antenna. It is soldered on the PCB. The antenna consists of 3.5cm 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.



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Test Results

Radiated Emissions (Fundamental)

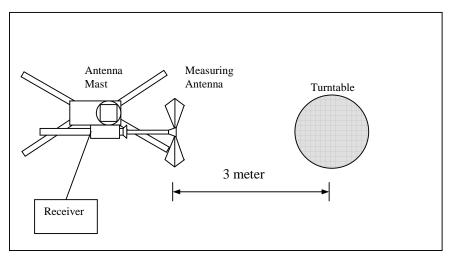
Test Requirement:	FCC Part 15 Section 15.249
Test Method:	ANSI C63.4
Test Date(s):	2015-05-06
Temperature:	25.0 °C
Humidity:	79.0 %
Atmospheric Pressure:	100.6 kPa
Mode of Operation:	Transmission mode
Tested Voltage:	3Vd.c. ("AA" size battery x 2)

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)
2410.07	н	0.0	-16.8	83.6	114.0	-30.4	**66.8	94.0	-27.2
2410.07	V	0.0	-16.8	83.4	114.0	-30.6	**66.6	94.0	-27.4

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)
2442.07	Н	0.0	-16.8	85.7	114.0	-28.3	**68.9	94.0	-25.1
2442.07	V	0.0	-16.8	84.2	114.0	-29.8	**67.4	94.0	-26.6

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)
2473.07	Н	0.0	-16.8	88.3	114.0	-25.7	**71.5	94.0	-22.5
2473.07	V	0.0	-16.8	87.4	114.0	-26.6	**70.6	94.0	-23.4

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

**Duty Cycle Correction = 20Log(0.144) = -16.8dB.

Note: Field Strength includes Antenna Factor and Cable Loss. Receiver setting: RBW = 1MHz VBW = 1MHz

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Radiated Emissions (Spurious Emission)

Test Requirement:	FCC Part 15 Section 15.249
Test Method:	ANSI C63.4
Test Date(s):	2015-05-06
Temperature:	25.0 °C
Humidity:	79.0 %
Atmospheric Pressure:	100.6 kPa
Mode of Operation:	Transmission mode
Tested Voltage:	3Vd.c. ("AA" size battery x 2)

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)
4820.14	Н	5.9	-16.8	62.2	74.0	-11.8	**45.4	54.0	-8.6
7230.21	Н	12.7	-16.8	54.2	74.0	-19.8	**37.4	54.0	-16.6
9640.28	Н	16.4	-16.8	52.7	74.0	-21.3	**35.9	54.0	-18.1
12050.35	Н	18.4	-16.8	54.7	74.0	-19.3	**37.9	54.0	-16.1
14460.42	Н	23.2	-16.8	61.2	74.0	-12.8	**44.4	54.0	-9.6
16870.49	Н	22.0	-16.8	61.8	74.0	-12.2	**45.0	54.0	-9.0
19280.56	Н	46.3	-16.8	64.0	74.0	-10.0	**47.2	54.0	-6.8
21690.63	Н	47.1	-16.8	62.6	74.0	-11.4	**45.8	54.0	-8.2
24100.70	Н	47.5	-16.8	61.8	74.0	-12.2	**45.0	54.0	-9.0
26510.77	Н	48.5	-16.8	64.3	74.0	-9.7	**47.5	54.0	-6.5

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

**Duty Cycle Correction = 20Log(0.144) = -16.8dB.

Note: Field Strength includes Antenna Factor and Cable Loss. Receiver setting: RBW = 1MHzVBW = 1MHz

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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)
4820.14	V	5.9	-16.8	68.2	74.0	-5.8	**51.4	54.0	-2.6
7230.21	V	12.7	-16.8	53.8	74.0	-20.2	**37.0	54.0	-17.0
9640.28	V	16.4	-16.8	50.7	74.0	-23.3	**33.9	54.0	-20.1
12050.35	V	18.4	-16.8	53.6	74.0	-20.4	**36.8	54.0	-17.2
14460.42	V	23.2	-16.8	60.9	74.0	-13.1	**44.1	54.0	-9.9
16870.49	V	22.0	-16.8	61.5	74.0	-12.5	**44.7	54.0	-9.3
19280.56	V	46.3	-16.8	62.9	74.0	-11.1	**46.1	54.0	-7.9
21690.63	V	47.1	-16.8	61.0	74.0	-13.0	**44.2	54.0	-9.8
24100.70	V	47.5	-16.8	62.1	74.0	-11.9	**45.3	54.0	-8.7
26510.77	V	48.5	-16.8	63.0	74.0	-11.0	**46.2	54.0	-7.8

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation. **Duty Cycle Correction = 20Log(0.144) = -16.8dB.

Note: Field Strength includes Antenna Factor and Cable Loss. Receiver setting:

RBW = 1MHz VBW = 1MHz

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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)
4884.14	Н	5.9	-16.8	62.9	74.0	-11.1	**46.1	54.0	-7.9
7326.21	Н	12.7	-16.8	50.7	74.0	-23.3	**33.9	54.0	-20.1
9768.28	н	16.4	-16.8	52.0	74.0	-22.0	**35.2	54.0	-18.8
12210.35	Н	18.6	-16.8	55.0	74.0	-19.0	**38.2	54.0	-15.8
14652.42	Н	25.0	-16.8	61.9	74.0	-12.1	**45.1	54.0	-8.9
17094.49	Н	27.2	-16.8	63.2	74.0	-10.8	**46.4	54.0	-7.6
19536.56	н	46.5	-16.8	62.7	74.0	-11.3	**45.9	54.0	-8.1
21978.63	Н	46.9	-16.8	61.9	74.0	-12.1	**45.1	54.0	-8.9
24420.70	Н	48.0	-16.8	61.7	74.0	-12.3	**44.9	54.0	-9.1
26862.77	Н	48.3	-16.8	62.9	74.0	-11.1	**46.1	54.0	-7.9

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)
4884.14	V	5.9	-16.8	68.7	74.0	-5.3	**51.9	54.0	-2.1
7326.21	V	12.7	-16.8	53.9	74.0	-20.1	**37.1	54.0	-16.9
9768.28	V	16.4	-16.8	51.1	74.0	-22.9	**34.3	54.0	-19.7
12210.35	V	18.6	-16.8	54.5	74.0	-19.5	**37.7	54.0	-16.3
14652.42	V	25.0	-16.8	60.8	74.0	-13.2	**44.0	54.0	-10.0
17094.49	V	27.2	-16.8	62.1	74.0	-11.9	**45.3	54.0	-8.7
19536.56	V	46.5	-16.8	61.5	74.0	-12.5	**44.7	54.0	-9.3
21978.63	V	46.9	-16.8	61.9	74.0	-12.1	**45.1	54.0	-8.9
24420.70	V	48.0	-16.8	61.8	74.0	-12.2	**45.0	54.0	-9.0
26862.77	V	48.3	-16.8	62.8	74.0	-11.2	**46.0	54.0	-8.0

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

**Duty Cycle Correction = 20Log(0.144) = -16.8dB.

Note: Field Strength includes Antenna Factor and Cable Loss. Receiver setting: RBW = 1MHz

VBW = 1MHz

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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)
4946.14	Н	5.9	-16.8	60.2	74.0	-13.8	**43.4	54.0	-10.6
7419.21	Н	13.3	-16.8	53.4	74.0	-20.6	**36.6	54.0	-17.4
9892.28	Н	16.4	-16.8	51.9	74.0	-22.1	**35.1	54.0	-18.9
12365.35	Н	18.6	-16.8	54.8	74.0	-19.2	**38.0	54.0	-16.0
14838.42	Н	25.0	-16.8	63.8	74.0	-10.2	**47.0	54.0	-7.0
17311.49	Н	27.2	-16.8	63.5	74.0	-10.5	**46.7	54.0	-7.3
19784.56	Н	46.6	-16.8	64.2	74.0	-9.8	**47.4	54.0	-6.6
22257.63	Н	47.0	-16.8	61.5	74.0	-12.5	**44.7	54.0	-9.3
24730.70	Н	48.1	-16.8	62.8	74.0	-11.2	**46.0	54.0	-8.0
27203.77	Н	48.5	-16.8	64.0	74.0	-10.0	**47.2	54.0	-6.8

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)
4946.14	V	5.9	-16.8	65.9	74.0	-8.1	**49.1	54.0	-4.9
7419.21	V	13.3	-16.8	55.4	74.0	-18.6	**38.6	54.0	-15.4
9892.28	V	16.4	-16.8	52.4	74.0	-21.6	**35.6	54.0	-18.4
12365.35	V	18.6	-16.8	53.2	74.0	-20.8	**36.4	54.0	-17.6
14838.42	V	25.0	-16.8	61.0	74.0	-13.0	**44.2	54.0	-9.8
17311.49	V	27.2	-16.8	62.6	74.0	-11.4	**45.8	54.0	-8.2
19784.56	V	46.6	-16.8	63.6	74.0	-10.4	**46.8	54.0	-7.2
22257.63	V	47.0	-16.8	61.3	74.0	-12.7	**44.5	54.0	-9.5
24730.70	V	48.1	-16.8	62.4	74.0	-11.6	**45.6	54.0	-8.4
27203.77	V	48.5	-16.8	62.6	74.0	-11.4	**45.8	54.0	-8.2

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

**Duty Cycle Correction = 20Log(0.144) = -16.8dB.

Note: Field Strength includes Antenna Factor and Cable Loss. Receiver setting: RBW = 1MHz VBW = 1MHz

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Radiated Emissions (9kHz - 40GHz)

Test Requirement:	FCC Part 15 Section 15.209
Test Method:	ANSI C63.4
Test Date(s):	2015-05-06
Temperature:	25.0 °C
Humidity:	79.0 %
Atmospheric Pressure:	100.6 kPa
Mode of Operation:	On mode
Tested Voltage:	3Vd.c. ("AA" size battery x 2)

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: Quasi-Peak

	Frequency	Polarity (H/V)	Field Strength	Limit	Margin (dB)		
I	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



Measurement Data

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)
45.24	Н	22.4	40.0	-17.6
114.88	Н	24.6	43.5	-18.9
228.92	Н	22.5	46.0	-23.5
370.12	Н	29.3	46.0	-16.7
464.92	Н	31.5	46.0	-14.5
601.16	Н	34.3	46.0	-11.7

Frequency (MHz)	Polarity (H/V)	Field Strength at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
45.24	V	23.6	40.0	-16.4
114.88	V	24.2	43.5	-19.3
228.92	V	22.3	46.0	-23.7
370.12	V	29.1	46.0	-16.9
464.92	V	31.0	46.0	-15.0
601.16	V	34.6	46.0	-11.4

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 120KHz VBW = 120KHz



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):	2015-05-06
Temperature:	25.0 °C
Humidity:	79.0 %
Atmospheric Pressure:	100.6 kPa
Mode of Operation:	Transmission mode
Tested Voltage:	3Vd.c. ("AA" size battery x 2)

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:

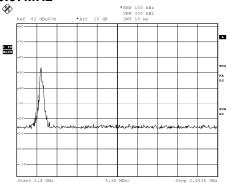
Frequency	FCC Limits
[MHz]	[MHz]
2408.830 - 2474.490	2400.00 - 2483.50



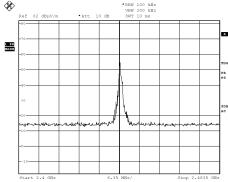
Measurement Data :

Test Result of Frequency Range of Fundamental Emission: PASS

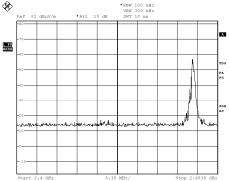
Lowest Frequency – 2410.07MHz



Middle Frequency – 2442.07MHz



Highest Frequency – 2473.07MHz



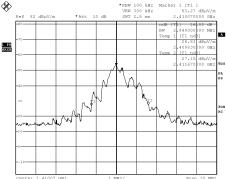
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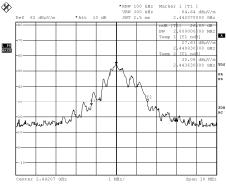
TEST REPORT No: (5215)127-1763 Measurement Data :

Test Result of 26dB Bandwidth of Fundamental Emission: PASS

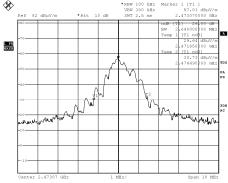
Lowest Frequency – 2410.07MHz



Middle Frequency – 2442.07MHz



Highest Frequency – 2473.07MHz



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Duty Cycle Correction During 100msec:

Each function key sends a different series of characters, but each packet period (<u>100</u>msec) never exceeds a series of 36 pulses (<u>0.4</u> msec). Assuming any combination of short and long pulses maybe obtained due to encoding the worst case transmit duty cycle would be considered <u>36*0.4</u> per <u>100</u>msec = <u>14.4</u>% duty cycle.

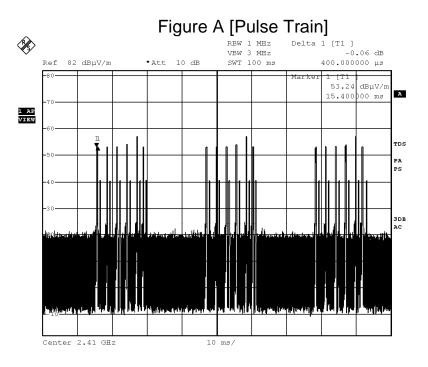
Remarks:

Duty Cycle Correction = 20Log(0.144) = -16.8dB

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



Measurement Data :



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Photographs of EUT

Front View of the product



Top View of the product



Side View of the product



Battery compartment



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Rear View of the product



Bottom View of the product



Side View of the product



Battery Cover





Photographs of EUT

Inner Circuit Top View



Antenna



Inner Circuit Bottom View



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Measurement of Radiated Emission Test Set Up

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

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