

TEST REPORT

To:	CEPIA LLC		To:	-					
Attn:	Joseph McGowan		Attn:	-					
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Fax:	314-725-4919		Fax:	-					
E-mail:	jmcgowan@cepiallc.com		E-mail: -						
Folder No.:									
Factory name:									
Location:									
Product:	Big Robots, Data Rate / Big Ro Model No.: I		r. Nine Brain / Big R 1 / BF16002 / BF16						
-		4	Sample No:	(5216)132-0692					
			Date of Receipt:	May 11, 2016					
F .		*	Test date:	May 24, 2016 to June 13, 2016					
B			Test Requested:	FCC Part 15 - 2012					
	1		Test Method:	ANSI C63.4 - 2009					
			FCC ID:	T4616000					
The results	given in this report are related to the te	sted sp	ecimen of the des	scribed electrical apparatus.					
CONCLUSION:	The submitted sample was found to Co	OMPLY	with requirement	of FCC Part 15 Subpart C.					
_	Authorized	d Signat	ure:						
Reviewed by: K	eith Yeung	Approved by Low Man Kit							
Reviewed by: Keith Yeung Approved by: Law Man Kit									

Date: June 16, 2016

Date: June 16, 2016



TEST REPORT No: (5216)132-0692 Test Result Summary

EMISSION TEST										
Test requirement: FCC Part 15 - 2012										
Test Condition	Test Method	Test	Result							
rest Condition	rest Metriod	Pass	Failed							
Radiated Emission Test,	ANSI C63.4									
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:

Sample first submission date: May 19, 2016 Sample second submission date: June 07, 2016



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.	CALIBRATION DUE
EMI TEST RECEIVER	R&S	ESCI	100379	22-FEB-2017
LOOP ANTENNA	ETS LINDGREN	6502	00102266	05-NOV-2016
BICONICAL ANTENNA	ROHDE & SCHWARZ	HK116	100179	13-APR-2018
LOG-PERIODIC DIPOLE ARRAY ANTENNA	ROHDE & SCHWARZ	HL223	832369/001	06-APR-2018
BILOG ANTENNA	SCHAFFNER	CBL6112D	25229	26-FEB-2018
HORN ANTENNA	SCHWARZBECK	BBHA9120D	9120D-692	04-APR-2018
PREAMPLIFIER	SCHWARZBECK	BBV9718	9718-152	12-OCT-2016
OPEN AREA TEST SITE	BVCPS	N/A	N/A	18-JUN-2016
ANECHOIC CHAMBER	ALBATROSS	M-CDC	80374004499B	10-MAY-2017
COAXIAL CABLE	SUHNER	N/A	N/A	06-JAN-2017
Signal Analyzer 40GHz	Rohde & Schwarz	FSV 40	100977	29-JUN-2016
Wideband Horn Antenna 18 to 40GHz	STEATITE	QWH-SL-18-40-K-SG	12688	02-SEP-2016
High frequency RF cable	Rohde & Schwarz	N/A	N/A	03-NOV-2016

Measurement Uncertainty

MEASUREMENT	FREQUENCY	UNCERTAINTY
	9kHz to 30MHz	4.2dB
	30MHz to 200MHz	4.5dB
Radiated emissions	200MHz to 1GHz	5.6dB
	1GHz to 18GHz	4.7dB
	18GHz to 40GHz	5.2dB

Remarks:-

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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: Big Robots, Data Rate / Big Robots, Dr. Nine Brain /

Big Robots, Tenderizer 1019

Model Number: BF16001 / BF16002 / BF16003

Additional Model Name: -Additional Model Number: --

Additional Model information: Declare the Circuit, PCB layout, Electrical parts and

appearance of the products are identical to the basic model,

expect the frequency as below: BF16001: 2435MHz / 2439MHz BF16002: 2415MHz / 2419MHz BF16003: 2405MHz / 2409MHz

Rating: 3Vd.c. ("AA" size battery x 2)

Description of EUT Operation:

The Equipment Under Test (EUT) is a **CEPIA LLC** of Remote Control Transceiver. It is a 1 switch, 1 button, 2 triggers and 2 marbles transmitters and operating at 2405MHz to 2439MHz. The lowest, middle and highest frequencies were tested and the results are shown in the report. The EUT continues to transmit while activate the trigger or marble, Modulation by IC, and type is GFSK. There are total 6 channels and below is the frequency list (MHz):

BF16001: 2435MHz / 2439MHz BF16002: 2415MHz / 2419MHz BF16003: 2405MHz / 2409MHz

The transmitter has different control:

- 1. A/B switch channel selection
- 2. On/Off buttons power on/off control
- 3. Left trigger control the left wheel
- 4. Right trigger control the right wheel
- 5. Left marble control the left punch
- 6. Right marble control the right punch

Antenna Requirement (Section 15.203)

The EUT is use of a permanently antenna. It is soldered on the PCB. The antenna is soldered on the PCB. 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):

2016-06-13

Temperature:

28.0 °C

Humidity:

72.0 %

Atmospheric Pressure:

99.8 kPa

Mode of Operation: Transmission mode

Tested Voltage: 3Vd.c. ("AAA" size battery x 2)

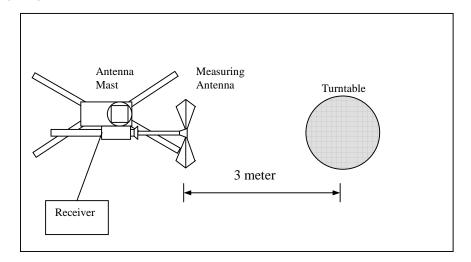
Test Procedure:

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





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)
2405.00	Н	-3.6	-40.0	75.0	114.0	-39.0	**35.0	94.0	-59.0
2405.00	V	-3.6	-40.0	74.2	114.0	-39.8	**34.2	94.0	-59.8

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)
2419.00	Н	-3.5	-40.0	73.7	114.0	-40.3	**33.7	94.0	-60.3
2419.00	V	-3.5	-40.0	72.3	114.0	-41.7	**32.3	94.0	-61.7

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)
2439.00	Н	-3.5	-40.0	73.9	114.0	-40.1	**33.9	94.0	-60.1
2439.00	V	-3.5	-40.0	74.1	114.0	-39.9	**34.1	94.0	-59.9

[#] 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, Cable Loss and Gain of pre-amplifier.

Receiver setting: RBW = 1MHz VBW = 1MHz

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^{**}Duty Cycle Correction = 20Log(0.01) = -40.0dB.



Radiated Emissions (Spurious Emission)

FCC Part 15 Section 15.249 Test Requirement:

Test Method: **ANSI C63.4** 2016-06-13 Test Date(s): 28.0 °C Temperature: Humidity: 72.0 % Atmospheric Pressure: 99.8 kPa

Mode of Operation: Transmission mode

Tested Voltage: 3Vd.c. ("AAA" 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)
4810.00	Н	1.6	-40.0	69.7	74.0	-4.3	**29.7	54.0	-24.3
7215.00	Н	10.7	-40.0	53.0	74.0	-21.0	**13.0	54.0	-41.0
9620.00	Н	15.5	-40.0	53.3	74.0	-20.7	**13.3	54.0	-40.7
12025.00	Н	17.8	-40.0	54.0	74.0	-20.0	**14.0	54.0	-40.0
14430.00	Н	24.0	-40.0	55.1	74.0	-18.9	**15.1	54.0	-38.9
16835.00	Н	19.1	-40.0	56.2	74.0	-17.8	**16.2	54.0	-37.8
19240.00	Н	46.2	-40.0	58.8	74.0	-15.2	**18.8	54.0	-35.2
21645.00	Н	46.8	-40.0	58.6	74.0	-15.4	**18.6	54.0	-35.4
24050.00	Н	47.6	-40.0	57.4	74.0	-16.6	**17.4	54.0	-36.6
26455.00	Н	48.6	-40.0	60.1	74.0	-13.9	**20.1	54.0	-33.9

[#] 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(0.01) = -40.0dB.

Note: Field Strength includes Antenna Factor, Cable Loss and Gain of pre-amplifier.

RBW = 1MHz Receiver setting:

VBW = 1MHz



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)
4810.00	V	1.6	-40.0	70.8	74.0	-3.2	**30.8	54.0	-23.2
7215.00	V	10.7	-40.0	52.1	74.0	-21.9	**12.1	54.0	-41.9
9620.00	V	15.5	-40.0	53.5	74.0	-20.5	**13.5	54.0	-40.5
12025.00	V	17.8	-40.0	54.4	74.0	-19.6	**14.4	54.0	-39.6
14430.00	V	24.0	-40.0	55.2	74.0	-18.8	**15.2	54.0	-38.8
16835.00	V	19.1	-40.0	56.6	74.0	-17.4	**16.6	54.0	-37.4
19240.00	V	46.2	-40.0	59.5	74.0	-14.5	**19.5	54.0	-34.5
21645.00	V	46.8	-40.0	58.8	74.0	-15.2	**18.8	54.0	-35.2
24050.00	V	47.6	-40.0	58.2	74.0	-15.8	**18.2	54.0	-35.8
26455.00	V	48.6	-40.0	59.8	74.0	-14.2	**19.8	54.0	-34.2

[#] 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, Cable Loss and Gain of pre-amplifier.

Receiver setting: RBW = 1MHz

VBW = 1MHz

^{**}Duty Cycle Correction = 20Log(0.01) = -40.0dB.



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)
4838.00	Н	1.6	-40.0	66.8	74.0	-7.2	**26.8	54.0	-27.2
7257.00	Н	10.7	-40.0	51.9	74.0	-22.1	**11.9	54.0	-42.1
9676.00	Н	15.5	-40.0	52.2	74.0	-21.8	**12.2	54.0	-41.8
12095.00	Н	18.0	-40.0	53.3	74.0	-20.7	**13.3	54.0	-40.7
14514.00	Η	24.5	-40.0	56.1	74.0	-17.9	**16.1	54.0	-37.9
16933.00	Ι	19.3	-40.0	56.9	74.0	-17.1	**16.9	54.0	-37.1
19352.00	Н	46.5	-40.0	57.3	74.0	-16.7	**17.3	54.0	-36.7
21771.00	Н	47.0	-40.0	57.7	74.0	-16.3	**17.7	54.0	-36.3
24190.00	Н	47.6	-40.0	59.2	74.0	-14.8	**19.2	54.0	-34.8
26609.00	Н	48.6	-40.0	58.9	74.0	-15.1	**18.9	54.0	-35.1

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)
4838.00	V	1.6	-40.0	64.5	74.0	-9.5	**24.5	54.0	-29.5
7257.00	V	10.7	-40.0	53.2	74.0	-20.8	**13.2	54.0	-40.8
9676.00	V	15.5	-40.0	53.7	74.0	-20.3	**13.7	54.0	-40.3
12095.00	V	18.0	-40.0	54.6	74.0	-19.4	**14.6	54.0	-39.4
14514.00	V	24.5	-40.0	56.3	74.0	-17.7	**16.3	54.0	-37.7
16933.00	V	19.3	-40.0	56.7	74.0	-17.3	**16.7	54.0	-37.3
19352.00	V	46.5	-40.0	58.7	74.0	-15.3	**18.7	54.0	-35.3
21771.00	V	47.0	-40.0	59.4	74.0	-14.6	**19.4	54.0	-34.6
24190.00	V	47.6	-40.0	59.1	74.0	-14.9	**19.1	54.0	-34.9
26609.00	V	48.6	-40.0	57.7	74.0	-16.3	**17.7	54.0	-36.3

[#] 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, Cable Loss and Gain of pre-amplifier.

Receiver setting: RBW = 1MHz VBW = 1MHz

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^{**}Duty Cycle Correction = 20Log(0.01) = -40.0dB.



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)
4878.00	Н	1.6	-40.0	64.5	74.0	-9.5	**24.5	54.0	-29.5
7317.00	Н	10.7	-40.0	53.3	74.0	-20.7	**13.3	54.0	-40.7
9756.00	Н	15.8	-40.0	54.5	74.0	-19.5	**14.5	54.0	-39.5
12195.00	Н	18.0	-40.0	55.0	74.0	-19.0	**15.0	54.0	-39.0
14634.00	Н	24.5	-40.0	55.3	74.0	-18.7	**15.3	54.0	-38.7
17073.00	Н	22.1	-40.0	56.9	74.0	-17.1	**16.9	54.0	-37.1
19512.00	Н	46.4	-40.0	59.2	74.0	-14.8	**19.2	54.0	-34.8
21951.00	Н	47.0	-40.0	58.0	74.0	-16.0	**18.0	54.0	-36.0
24390.00	Н	47.7	-40.0	58.6	74.0	-15.4	**18.6	54.0	-35.4
26829.00	Н	48.6	-40.0	58.8	74.0	-15.2	**18.8	54.0	-35.2

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)
4878.00	V	1.6	-40.0	59.7	74.0	-14.3	**19.7	54.0	-34.3
7317.00	V	10.7	-40.0	52.1	74.0	-21.9	**12.1	54.0	-41.9
9756.00	V	15.8	-40.0	53.5	74.0	-20.5	**13.5	54.0	-40.5
12195.00	V	18.0	-40.0	54.4	74.0	-19.6	**14.4	54.0	-39.6
14634.00	V	24.5	-40.0	56.0	74.0	-18.0	**16.0	54.0	-38.0
17073.00	V	22.1	-40.0	56.8	74.0	-17.2	**16.8	54.0	-37.2
19512.00	V	46.4	-40.0	59.1	74.0	-14.9	**19.1	54.0	-34.9
21951.00	V	47.0	-40.0	58.8	74.0	-15.2	**18.8	54.0	-35.2
24390.00	V	47.7	-40.0	58.6	74.0	-15.4	**18.6	54.0	-35.4
26829.00	V	48.6	-40.0	60.3	74.0	-13.7	**20.3	54.0	-33.7

[#] 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, Cable Loss and Gain of pre-amplifier.

Receiver setting: RBW = 1MHz

VBW = 1MHz

^{**}Duty Cycle Correction = 20Log(0.01) = -40.0dB.



Radiated Emissions (9kHz - 40GHz)

Test Requirement: FCC Part 15 Section 15.209

Test Method:

ANSI C63.4

Test Date(s):

Temperature:

Humidity:

Atmospheric Pressure:

Mode of Operation:

ANSI C63.4

2016-05-24

30.0 °C

77.0 %

99.7 kPa

On mode

Tested Voltage: 3Vd.c. ("AAA" 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

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

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)
36.72	Н	26.8	40.0	-13.2
153.66	Н	22.4	43.5	-21.1
220.48	Н	23.2	46.0	-22.8
359.60	Н	27.1	46.0	-18.9
467.28	Н	28.5	46.0	-17.5
532.42	Н	30.6	46.0	-15.4

Frequency (MHz)	Polarity (H/V)	Field Strength at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
36.72	V	26.5	40.0	-13.5
153.66	V	22.3	43.5	-21.2
220.48	V	23.4	46.0	-22.6
359.60	V	26.6	46.0	-19.4
467.28	V	28.2	46.0	-17.8
532.42	V	31.0	46.0	-15.0

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)

2016-05-24 Test Date(s): 30.0 °C Temperature: 77.0 % Humidity: Atmospheric Pressure: 99.7 kPa

Mode of Operation: Transmission mode

Tested Voltage: 3Vd.c. ("AAA" 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:

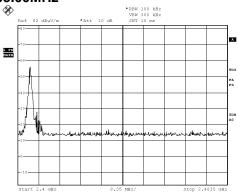
=e ici i icquoiley ialige c	
Frequency	FCC Limits
[MHz]	[MHz]
2403.820 - 2440.220	2400.00 - 2483.50



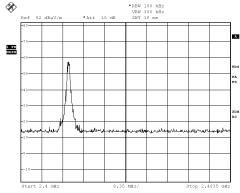
Measurement Data:

Test Result of Frequency Range of Fundamental Emission: PASS

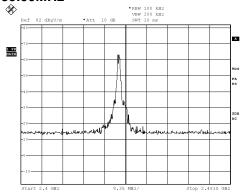
Lowest Frequency - 2405.00MHz



Middle Frequency - 2419.00MHz



Highest Frequency - 2439.00MHz



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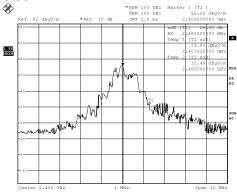
This report is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. Our report is limited to the test samples identified herein. The results set forth in this 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



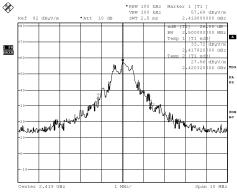
TEST REPORT No: (5216)132-0692 Measurement Data :

Test Result of 26dB Bandwidth of Fundamental Emission: PASS

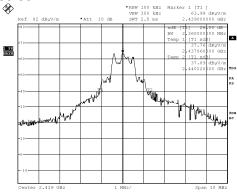
Lowest Frequency - 2405.00MHz



Middle Frequency - 2419.00MHz



Highest Frequency - 2439.00MHz





Duty Cycle Correction During 100msec:

Each function key sends a different series of characters, but each packet period ($\underline{100}$ msec) never exceeds a series of 2 pulses ($\underline{0.5}$ msec). Assuming any combination of short and long pulses maybe obtained due to encoding the worst case transmit duty cycle would be considered $\underline{2*0.5}$ per $\underline{100}$ msec = 1% duty cycle.

Remarks:

Duty Cycle Correction = 20Log(0.01) = -40.0dB

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

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Center 2.439 GHz

Measurement Data:

Figure A [Pulse Train] Delta 1 [T1] -5.99 dB RBW 1 MHz VBW 3 MHz 82 dBµV/m SWT 100 ms 400.000000 μs 60.68 dBμV/n А 71.800000 ms 1 AP VIEW

10 ms/



Photographs of EUT

Front View of the product



Top View of the product



Side View of the product



Battery compartment



Rear View of the product



Bottom View of the product



Side View of the product



Battery Cover



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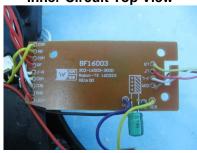


Photographs of EUT

Internal View of the product



Inner Circuit Top View



Inner Circuit Top View



Antenna



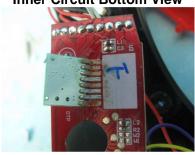
Internal View of the product



Inner Circuit Bottom View



Inner Circuit Bottom View



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Measurement of Radiated Emission Test Set Up



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