

TEST REPORT

FCC ID: 2AANZQDRPRO

Product: Remote Control

Model No.: NFL-QDR-PRO

**Additional Model: NFL-QDR-PRO-GBY, NFL-QDR-PRO-CHI, NFL-QDR-PRO-DAL,
NFL-QDR-PRO-DEN, NFL-QDR-PRO-KC, NFL-QDR-PRO-MIA,
NFL-QDR-PRO-NE, NFL-QDR-PRO-NYG, NFL-QDR-PRO-OAK,
NFL-QDR-PRO-PHI, NFL-QDR-PRO-SEA, NFL-QDR-PRO-PIT**

Trade Mark: MI

Report No.: TCT171027E005

Issued Date: Nov. 07, 2017

Issued for:

DGL Group LTD.

195 Raritan Center Parkway Edison, New Jersey United States 08837

Issued By:

Shenzhen Tongce Testing Lab.

**1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District,
Shenzhen, Guangdong, China**

TEL: +86-755-27673339

FAX: +86-755-27673332

Note: This report shall not be reproduced except in full, without the written approval of Shenzhen Tongce Testing Lab.

This document may be altered or revised by Shenzhen Tongce Testing Lab. personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

TABLE OF CONTENTS

1. Test Certification.....	3
2. Test Result Summary	4
3. EUT Description	5
4. Genera Information.....	7
4.1. Test Environment and Mode	7
4.2. Description of Support Units	7
5. Facilities and Accreditations	8
5.1. Facilities	8
5.2. Location	8
5.3. Measurement Uncertainty	8
6. Test Results and Measurement Data	9
6.1. Antenna Requirement	9
6.2. Conducted Emission.....	10
6.3. Radiated Emission Measurement.....	11
6.4. 20dB Occupied Bandwidth.....	20
Appendix A: Photographs of Test Setup	
Appendix B: Photographs of EUT	

1. Test Certification

Product:	Remote Control
Model No.:	NFL-QDR-PRO
Additional Model:	NFL-QDR-PRO-GBY, NFL-QDR-PRO-CHI, NFL-QDR-PRO-DAL, NFL-QDR-PRO-DEN, NFL-QDR-PRO-KC, NFL-QDR-PRO-MIA, NFL-QDR-PRO-NE, NFL-QDR-PRO-NYG, NFL-QDR-PRO-OAK, NFL-QDR-PRO-PHI, NFL-QDR-PRO-SEA, NFL-QDR-PRO-PIT
Trade Mark:	MI
Applicant:	DGL Group LTD.
Address:	195 Raritan Center Parkway Edison, New Jersey United States 08837
Manufacturer:	DGL Group LTD.
Address:	195 Raritan Center Parkway Edison, New Jersey United States 08837
Date of Test:	Oct. 30, 2017 – Nov. 06, 2017
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.249

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:



Ride Cheng

Date:

Nov. 06, 2017

Reviewed By:



Joe Zhou

Date:

Nov. 07, 2017

Approved By:



Tomsin

Date:

Nov. 07, 2017

2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna Requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	N/A
Field Strength of Fundamental	§15.249 (a)	PASS
Spurious Emissions	§2.1053 §15.249 (a) (d)/ §15.209	PASS
Band Edge	§2.1053 §15.249 (d)/ §15.205	PASS
20dB Occupied Bandwidth	§2.1049 §15.215 (c)	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:	Remote Control
Model No.:	NFL-QDR-PRO
Additional Model:	NFL-QDR-PRO-GBY, NFL-QDR-PRO-CHI, NFL-QDR-PRO-DAL, NFL-QDR-PRO-DEN, NFL-QDR-PRO-KC, NFL-QDR-PRO-MIA, NFL-QDR-PRO-NE, NFL-QDR-PRO-NYG, NFL-QDR-PRO-OAK, NFL-QDR-PRO-PHI, NFL-QDR-PRO-SEA, NFL-QDR-PRO-PIT
Trade Mark:	MI
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	2405MHz - 2475MHz
Number of Channel:	71
Modulation Technology:	GFSK
Antenna Type:	Internal Antenna
Antenna Gain:	1.5dBi
Power Supply:	DC 4.5V via 3*AA batteries

Operation Frequency Each of Channel

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2405 MHz	22	2426 MHz	43	2447 MHz	64	2468 MHz
2	2406 MHz	23	2427 MHz	44	2448 MHz	65	2469 MHz
3	2407 MHz	24	2428 MHz	45	2449 MHz	66	2470 MHz
4	2408 MHz	25	2429 MHz	46	2450 MHz	67	2471 MHz
5	2409 MHz	26	2430 MHz	47	2451 MHz	68	2472 MHz
6	2410 MHz	27	2431 MHz	48	2452 MHz	69	2473 MHz
7	2411 MHz	28	2432 MHz	49	2453 MHz	70	2474 MHz
8	2412 MHz	29	2433 MHz	50	2454 MHz	71	2475 MHz
9	2413 MHz	30	2434 MHz	51	2455 MHz		
10	2414 MHz	31	2435 MHz	52	2456 MHz		
11	2415 MHz	32	2436 MHz	53	2457 MHz		
12	2416 MHz	33	2437 MHz	54	2458 MHz		
13	2417 MHz	34	2438 MHz	55	2459 MHz		
14	2418 MHz	35	2439 MHz	56	2460 MHz		
15	2419 MHz	36	2440 MHz	57	2461 MHz		
16	2420 MHz	37	2441 MHz	58	2462 MHz		
17	2421 MHz	38	2442 MHz	59	2463 MHz		
18	2422 MHz	39	2443 MHz	60	2464 MHz		
19	2423 MHz	40	2444 MHz	61	2465 MHz		
20	2424 MHz	41	2445 MHz	62	2466 MHz		
21	2425 MHz	42	2446 MHz	63	2467 MHz		

Remark: Channel 1, 41 and 71 are selected to perform the tests.

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2405MHz
The middle channel	2445MHz
The Highest channel	2475MHz

4. Genera Information

4.1. Test Environment and Mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel
<p>The sample was placed (0.8m 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.</p>	

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
/	/	/	/	/

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.

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

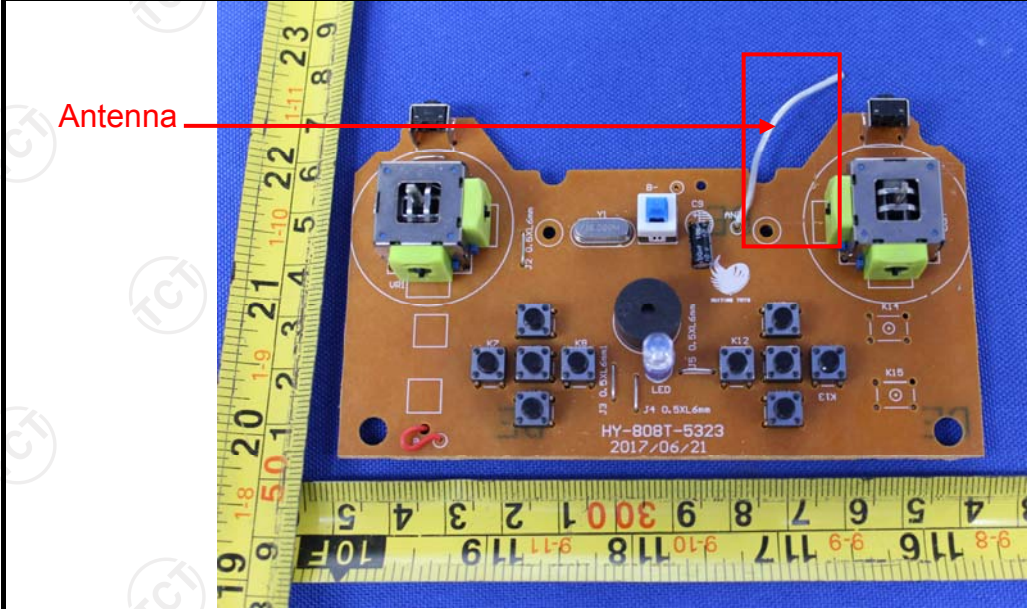
5.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded 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	$\pm 2.56\text{dB}$
2	RF power, conducted	$\pm 0.12\text{dB}$
3	Spurious emissions, conducted	$\pm 0.11\text{dB}$
4	All emissions, radiated(<1GHz)	$\pm 3.92\text{dB}$
5	All emissions, radiated(>1GHz)	$\pm 4.28\text{dB}$
6	Temperature	$\pm 0.1^{\circ}\text{C}$
7	Humidity	$\pm 1.0\%$

6. Test Results and Measurement Data

6.1. Antenna Requirement

Standard requirement:	FCC Part15 C Section 15.203
<p>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.</p>	
E.U.T Antenna:	
<p>The EUT antenna is Internal antenna which permanently attached, and the best case gain of the antenna is 1.5dBi.</p>	
	

6.2. Conducted Emission

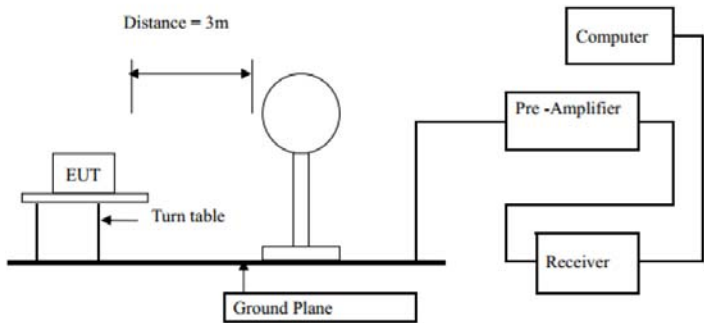
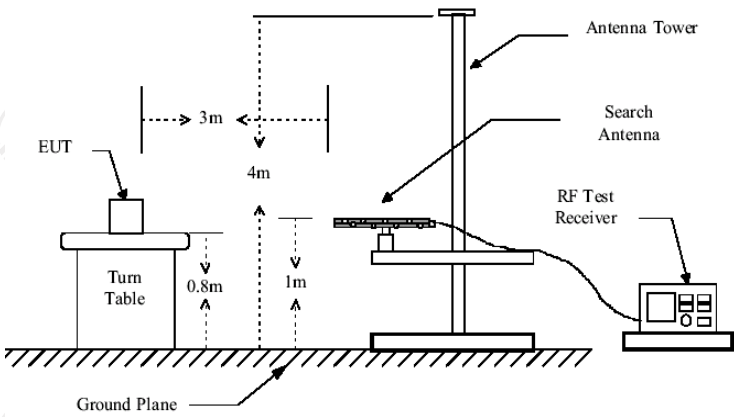
6.2.1. Test Specification

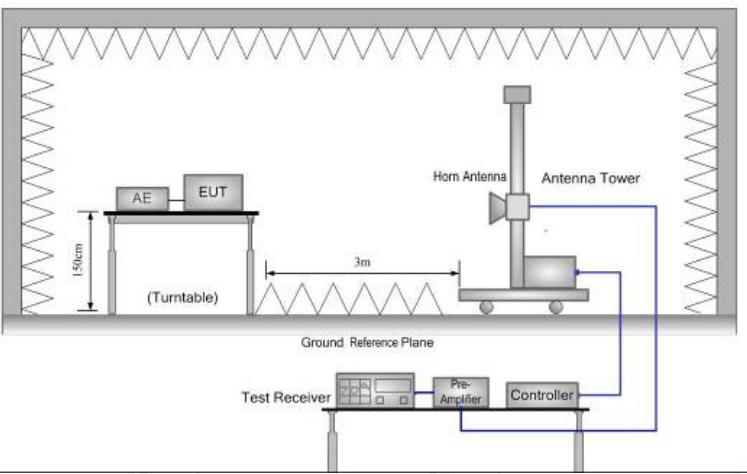
Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2013														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBuV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr><tr><td>0.5-5</td><td>56</td><td>46</td></tr><tr><td>5-30</td><td>60</td><td>50</td></tr></table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test Setup:	<div><p>Reference Plane</p><p>Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p></div>														
Test Mode:	Transmitting mode with modulation														
Test Procedure:	<ol style="list-style-type: none">1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.														
Test Result:	N/A, Power supply is DC 4.5V from AA 1.5V*3 Battery, so not applicable.														

6.3. Radiated Emission Measurement

6.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209/ Part 2 J Section 2.1053				
Test Method:	ANSI C63.10:2013				
Frequency Range:	9 kHz to 25 GHz				
Measurement Distance:	3 m				
Antenna Polarization:	Horizontal & Vertical				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		Peak	1MHz	10Hz	Average Value
Limit(Field strength of the fundamental signal):	Frequency		Limit (dBuV/m @3m)		Remark
	2400MHz-2483.5MHz		94.00		Average Value
			114.00		Peak Value
Limit(Spurious Emissions):	Frequency		Limit (dBuV/m @3m)		Remark
	0.009-0.490		2400/F(KHz)		Quasi-peak Value
	0.490-1.705		24000/F(KHz)		Quasi-peak Value
	1.705-30		30		Quasi-peak Value
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		54.0		Average Value
			74.0		Peak Value
Limit (band edge) :	Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.				
Test Procedure:	<div>1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber in below 1GHz, 1.5m above the ground in above 1GHz. The table was rotated 360 degrees to determine the position of the highest radiation.</div> <div>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</div> <div>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make</div>				

	<p>the measurement.</p> <ol style="list-style-type: none"> For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
<p>Test setup:</p>	<p>For radiated emissions below 30MHz</p>  <p>30MHz to 1GHz</p>  <p>Above 1GHz</p> <p>(The diagram below shows the test setup that is utilized to make the measurements for emission from 1GHz to the tenth harmonic of the highest fundamental frequency or to 40GHz emissions, whichever is lower.)</p>

	
Test results:	PASS

6.3.2. 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)	TCT	RE-low-01	N/A	Sep. 27, 2018
Coax cable (9KHz-40GHz)	TCT	RE-high-02	N/A	Sep. 27, 2018
Coax cable (9KHz-1GHz)	TCT	RE-low-03	N/A	Sep. 27, 2018
Coax cable (9KHz-40GHz)	TCT	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).

6.3.3. Test Data

Field Strength of Fundamental

Frequency (MHz)	Emission PK/AV (dBuV/m)	Horizontal /Vertical	Limits PK/AV (dBuV/m)	Margin (dB)
2405	88.62(PK)	H	114/94	-25.38
2405	75.65(AV)	H	114/94	-18.35
2445	87.11(PK)	H	114/94	-26.89
2445	74.64(AV)	H	114/94	-19.36
2475	85.85(PK)	H	114/94	-28.15
2475	71.93(AV)	H	114/94	-22.07
2405	88.16(PK)	V	114/94	-25.84
2405	76.76(AV)	V	114/94	-17.24
2445	86.67(PK)	V	114/94	-27.33
2445	76.54(AV)	V	114/94	-17.46
2475	87.78(PK)	V	114/94	-26.22
2475	75.06(AV)	V	114/94	-18.94

Spurious Emissions

Frequency Range (9 kHz-30MHz)

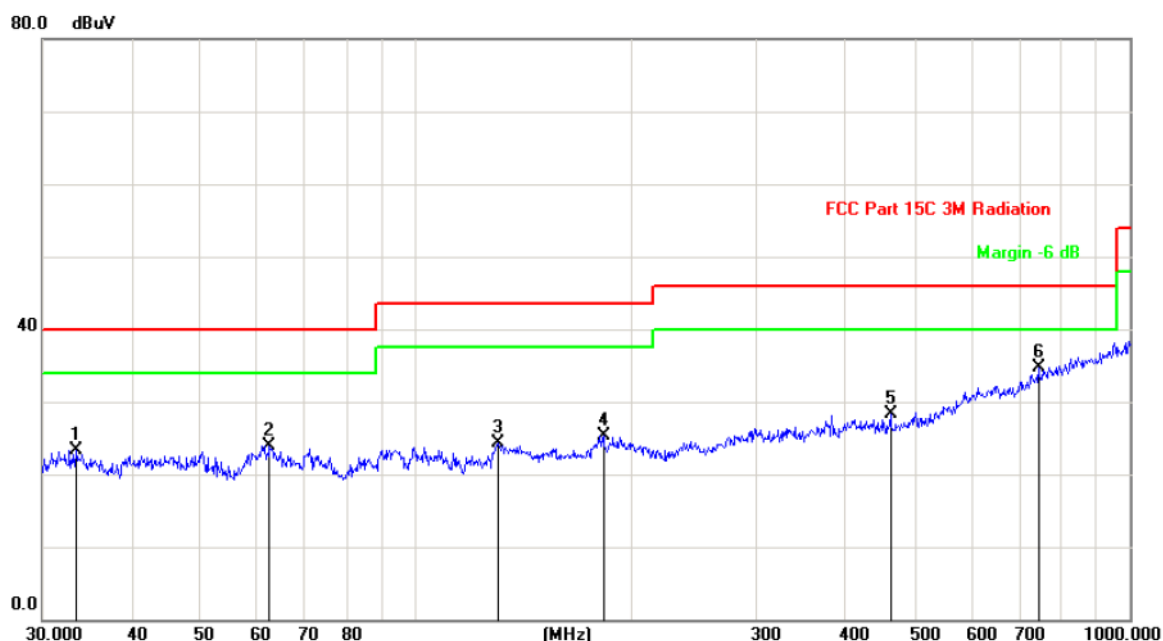
Frequency (MHz)	Level@3m (dBuV/m)	Limit@3m (dBuV/m)
--	--	--
--	--	--
--	--	--
--	--	--

Note: 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement

Frequency Range (30MHz-1GHz)

Horizontal:



Site

Polarization: **Horizontal**

Temperature: 25

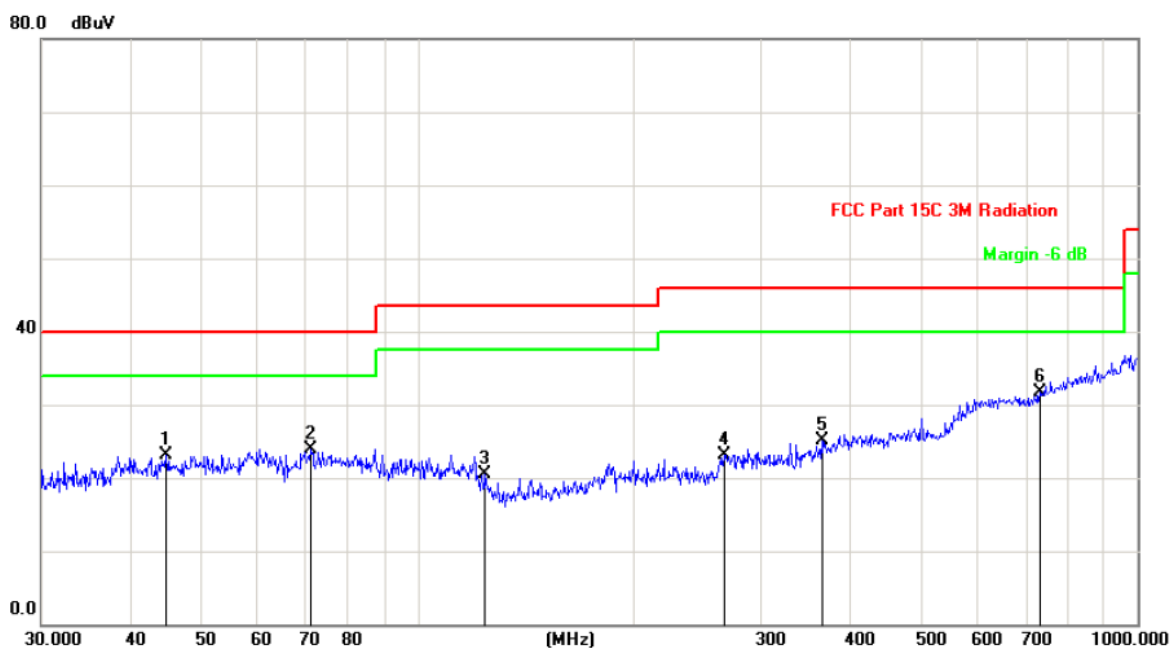
Limit: FCC Part 15C 3M Radiation

Power:

Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dB	dB	cm	degree	Comment
1		33.4449	31.02	-7.68	23.34	40.00	-16.66			peak
2		62.4314	32.31	-8.33	23.98	40.00	-16.02			peak
3		130.3789	35.05	-10.77	24.28	43.50	-19.22			peak
4		183.2005	35.10	-9.83	25.27	43.50	-18.23			peak
5		462.3455	29.98	-1.63	28.35	46.00	-17.65			peak
6	*	744.8661	29.65	5.07	34.72	46.00	-11.28			peak

Vertical:



Site: Polarization: **Vertical** Temperature: 25
Limit: FCC Part 15C 3M Radiation Power: Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dB	Over dB	Antenna Height cm	Table Degree	Comment
1		44.7433	30.00	-6.91	23.09	40.00	-16.91	peak		
2		71.0803	35.07	-11.10	23.97	40.00	-16.03	peak		
3		124.1330	30.35	-9.80	20.55	43.50	-22.95	peak		
4		266.6089	30.86	-7.79	23.07	46.00	-22.93	peak		
5		364.2595	27.94	-2.82	25.12	46.00	-20.88	peak		
6	*	731.9203	27.14	4.54	31.68	46.00	-14.32	peak		

Note: Measurements were conducted in all channels (high, middle, low), and the worst case (low channel) was submitted only.

Above 1GHz

Low channel: 2405 MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
2387.50	H	54.13	---	-4.20	49.93	---	74.00	54.00	-4.07
2387.50	H	---	48.13	-4.20	---	43.93	74.00	54.00	-10.07
4810.00	H	52.28	---	-3.94	48.34	---	74.00	54.00	-5.66
7215.00	H	47.73	---	0.52	48.25	---	74.00	54.00	-5.75
---	---	---	---	---	---	---	---	---	---
2387.50	V	51.47	---	-4.20	47.27	---	74.00	54.00	-6.73
2387.50	V	---	49.56	-4.20	---	45.36	74.00	54.00	-8.64
4810.00	V	48.81	---	-3.94	44.87	---	74.00	54.00	-9.13
7215.00	V	45.55	---	0.52	46.07	---	74.00	54.00	-7.93
---	---	---	---	---	---	---	---	---	---

Middle channel: 2445 MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
4890.00	H	53.83	---	-3.98	49.85	---	74.00	54.00	-4.15
7335.00	H	48.71	---	0.57	49.28	---	74.00	54.00	-4.72
---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---
4890.00	V	51.83	---	-3.98	47.85	---	74.00	54.00	-6.15
7335.00	V	50.66	---	0.57	51.23	---	74.00	54.00	-2.77
---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---

High channel: 2475 MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
2483.50	H	52.45	---	-2.38	50.07	---	74.00	54.00	-3.93
2483.50	H	---	42.38	-2.38	---	40	74.00	54.00	-14
4950.00	H	50.68	---	-3.98	46.7	---	74.00	54.00	-7.3
7425.00	H	49.51	---	0.57	50.08	---	74.00	54.00	-3.92
---	---	---	---	---	---	---	---	---	---
2483.50	V	50.73	---	-2.38	48.35	---	74.00	54.00	-5.65
2483.50	V	---	43.61	-2.38	---	41.23	74.00	54.00	-12.77
4950.00	V	51.77	---	-3.98	47.79	---	74.00	54.00	-6.21
7425.00	V	48.21	---	0.57	48.78	---	74.00	54.00	-5.22
---	---	---	---	---	---	---	---	---	---

Note:

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/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.

Band Edge Requirement

Low channel: 2405 MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
2400	H	49.25	---	-4.2	Peak	AV	74.00	---	-28.95
2400	H	---	42.57	-4.2	---	---	---	54.00	-15.63
---	---	---	---	---	---	---	---	---	---
2400	V	48.62	---	-4.2	Peak	AV	74.00	---	-29.58
2400	V	---	39.17	-4.2	---	---	---	54.00	-19.03
---	---	---	---	---	---	---	---	---	---


High channel: 2475 MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
2483.5	H	50.86	---	-4.2	Peak	AV	74.00	---	-27.34
2483.5	H	---	41.68	-4.2	---	---	---	54.00	-16.52
---	---	---	---	---	---	---	---	---	---
2483.5	V	49.63	---	-4.2	Peak	AV	74.00	---	-28.57
2483.5	V	---	40.52	-4.2	---	---	---	54.00	-17.68
---	---	---	---	---	---	---	---	---	---

Note:

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak/Average)(dBμV/m)-(Peak/Average) limit (dBμV/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.

6.4.20dB Occupied Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.215(c)/ Part 2 J Section 2.1049
Test Method:	ANSI C63.10: 2013
Limit:	N/A
	<ol style="list-style-type: none"> 1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW\geq1% of the 20 dB bandwidth; VBW\geqRBW; Sweep = auto; Detector function = peak; Trace = max hold. 4. Measure and record the results in the test report.
Test setup:	 <p>The diagram illustrates the test setup. On the left is a green Spectrum Analyzer with a screen and two knobs. A cable connects it to a yellow rectangular box on the right labeled 'EUT'.</p>
Test Mode:	Transmitting mode with modulation
Test results:	PASS

6.4.2. Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Oct. 13, 2017

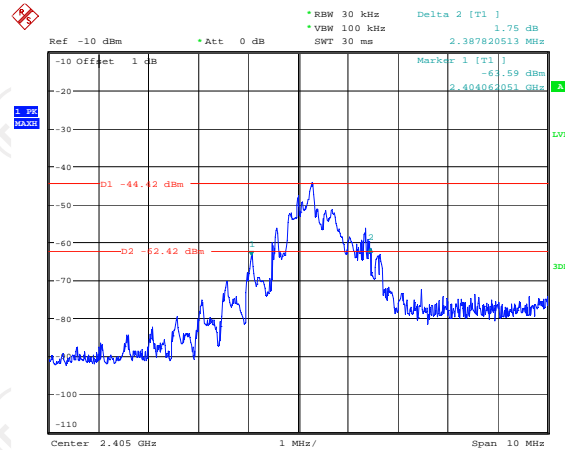
Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.4.3. Test data

Test Channel	20dB Occupy Bandwidth (kHz)	Limit	Conclusion
Lowest	2387.82	---	PASS
Middle	2804.49	---	PASS
Highest	3445.51	---	PASS

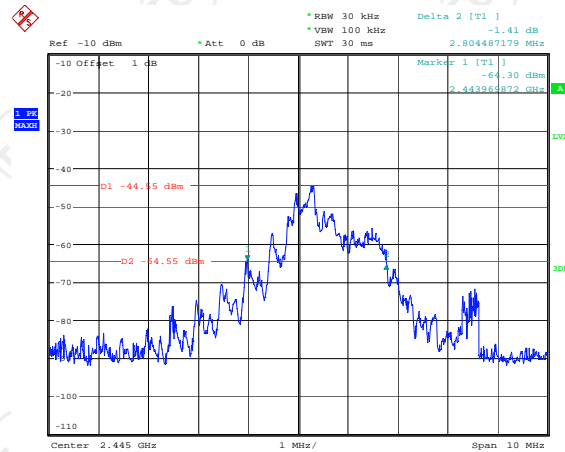
Test plots as follows:

Lowest channel



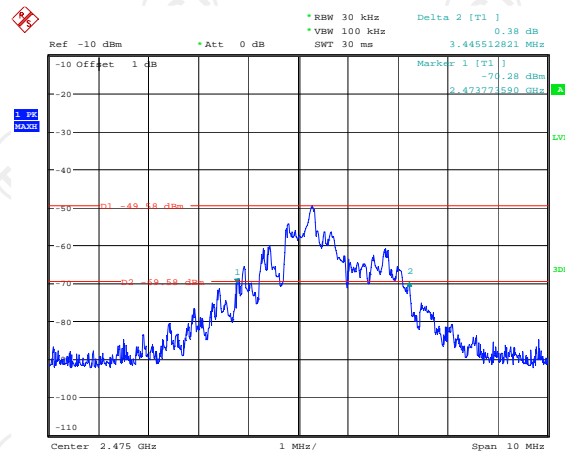
Date: 3.NOV.2017 16:51:50

Middle channel



Date: 3.NOV.2017 16:47:33

Highest channel



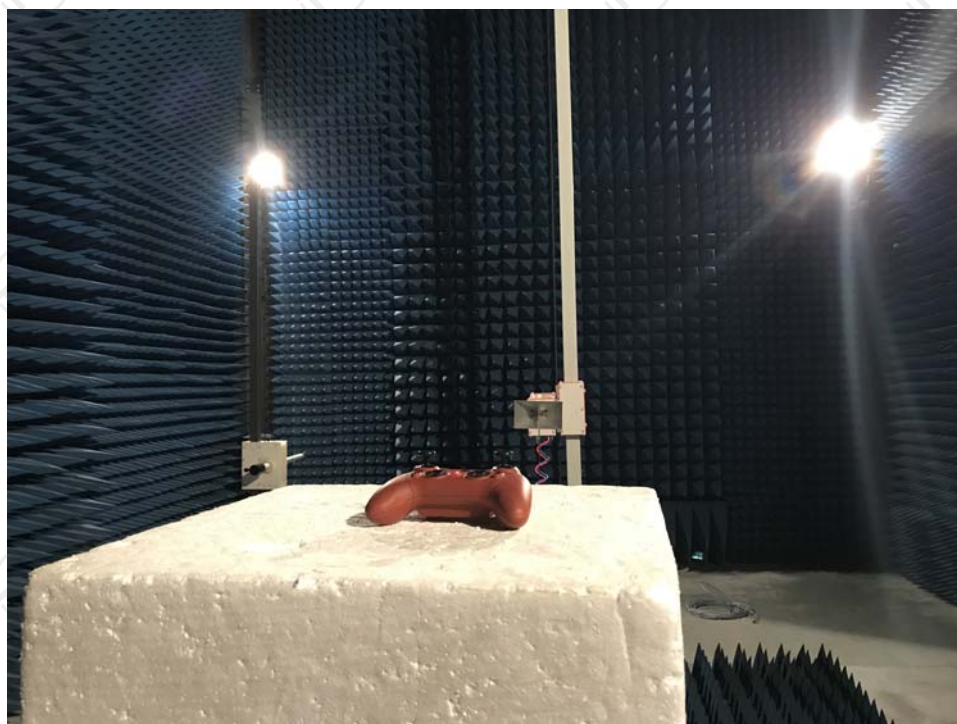
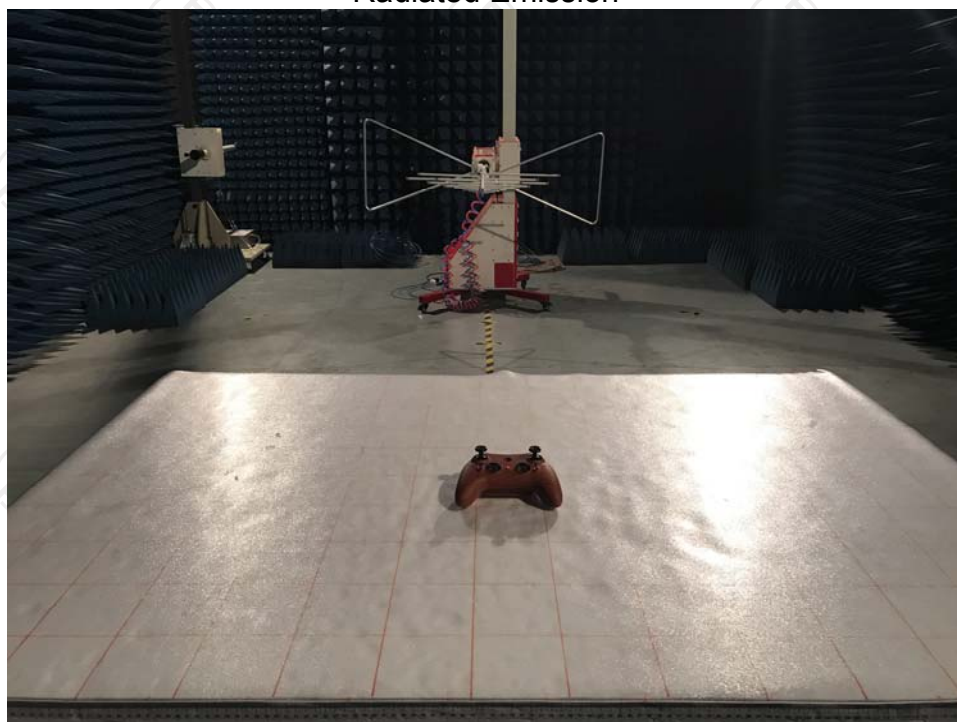
Date: 3.NOV.2017 16:54:59

Appendix A: Photographs of Test Setup

Product: Remote Control

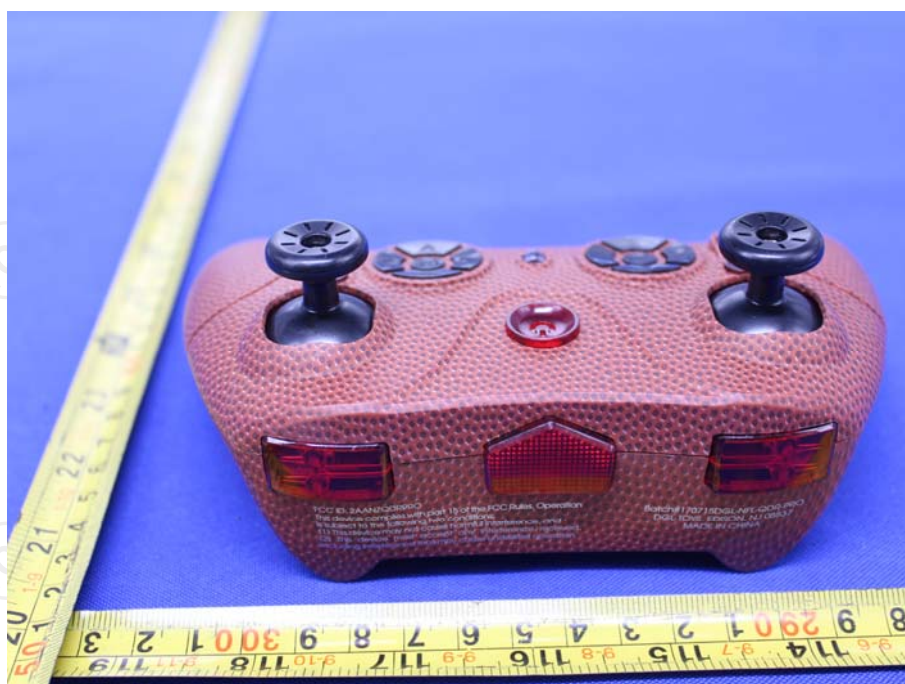
Model: NFL-QDR-PRO

Radiated Emission



Appendix B: Photographs of EUT
Product: Remote Control
Model: NFL-QDR-PRO
External Photos

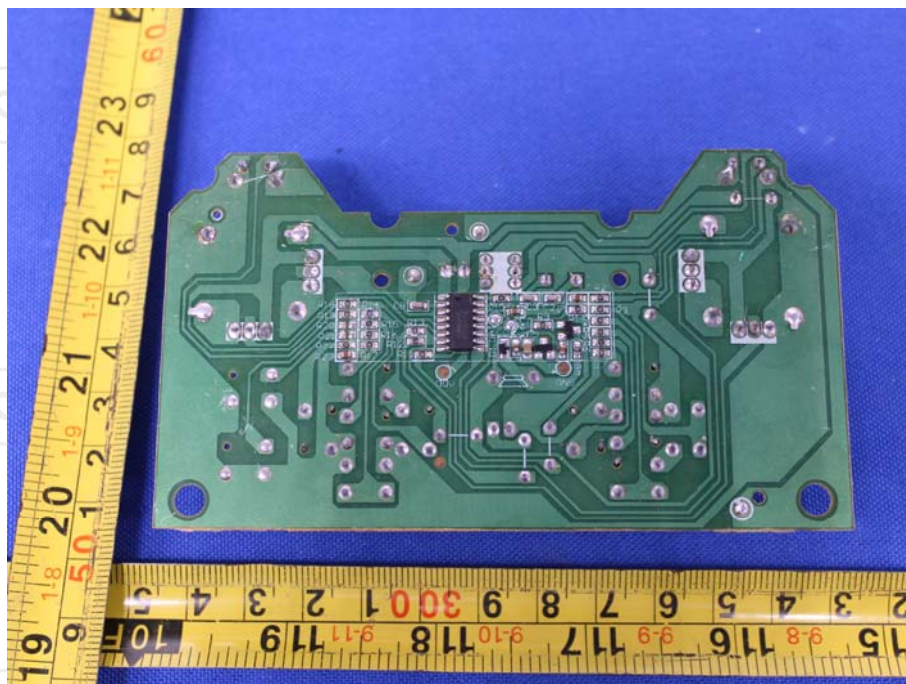
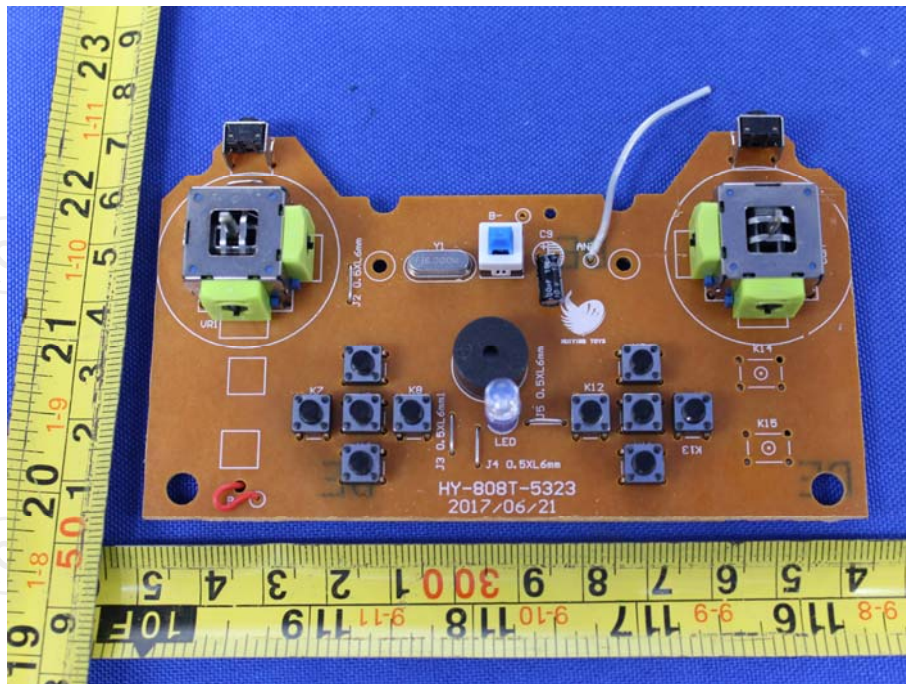






Appendix B: Photographs of EUT
Product: Remote Control
Model: NFL-QDR-PRO
Internal Photos





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