

Test Report

Product: Tyrannosaurus remote control

Trade Mark: N/A

Model Number: T-rexRCH 6CH

FCC ID: 2BTX2-T-REXRCH6CH

Prepared for

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Prepared by

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TEST RESULT CERTIFICATION

Applicant's Name.....: Shenzhen Leilaluo Innovation Technology Co., Ltd.
Address.....: 4th Floor, Building 9, No. 796 Jihua Road, Yousong Community,
Longhua Street, Longhua District, Shenzhen, China
Manufacturer's Name.....: Shenzhen Leilaluo Innovation Technology Co., Ltd.
Address.....: 4th Floor, Building 9, No. 796 Jihua Road, Yousong Community,
Longhua Street, Longhua District, Shenzhen, China

Product description

Product name.....: Tyrannosaurus remote control
Model Number.....: T-rexRCH 6CH

Standards.....: FCC Part 15.249

Test procedure.....: IEEE/ANSI C63.10-2020

This device described above has been tested by Shenzhen HongBiao Certification& Testing Co., Ltd and the test results show that the equipment under test (EUT) is in compliance with the EMC requirements. And it is applicable only to the tested sample identified in the report.

Date of Test

Date (s) of performance of tests.....: May 25. 2024~Dec.8 2025

Test Result.....: **Pass**

Testing Engineer :



(Z o e S u)

Technical Manager :



(G a r y L u)

Authorized Signatory :



(L e o S u)

Revision History

1 General Description

1.1 Description of EUT

Product name:	Tyrannosaurus remote control
Model name:	T-rexRCH 6CH
Series Model:	N/A
Different of series model:	N/A
Operation frequency:	2402 - 2480 MHz
Modulation type:	GFSK
Bit Rate of transmitter:	1 Mbps
Antenna type:	PCB Antenna
Antenna gain:	-0.58dBi
Max. Field Strength:	96.23dBuV/m
Hardware version:	V1.0
Software version:	V1.0
Battery:	DC 3.7V
Power supply:	DC 5V from adapter AC 120V/60Hz
Adapter information:	N/A

1.2 Test Mode

Test Mode	Channel	Frequency (MHz)
1	1	2402
2	2	2440
3	3	2480

1.3 Operation Channel list

Channel No.	Frequency (MHz)
1	2402
2	2440
3	2480

1.4 Test Setup

See photographs of the test setup in the report for the actual setup and connections between EUT and support equipment.

1.5 Power setting configuration parameters

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters.

Test software Version		N/A	
Frequency	2402 MHz	2440 MHz	2480 MHz
Parameters	Default	Default	Default
RF cable			
Description	Connector	Length	Supplied by
Antenna Cable	SMA	10cm	Applicant

Note: Disclaimer: the loss of RF cable is too small and can be ignored.

1.6 Ancillary Equipment

Equipment	Model	S/N	Manufacturer
/	/	/	/

2 Summary of Test Result

No.	Standard Section	Test Item	Result	Remark
1	FCC Part15.203	Antenna Requirement	Pass	
2	FCC Part15.207	AC power line conducted emission	Pass	
3	FCC Part15.249(d)	Radiated spurious emission	Pass	
4	FCC Part 15.215	20dB and 99% Bandwidth	Pass	

3 Test Facilities and Accreditations

3.1 Test Laboratory

Test Site	Shenzhen HongBiao Certification& Testing Co., Ltd
Test Site Location	Room 102, 201, Building 2, Yuanwanggu RFID Industrial Park, Tongguan Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen, China
Telephone:	(86-755) 2998 9321
Fax:	(86-755) 2998 5110
FCC Registration No.:	CN1341
A2LA Certificate No.:	6765.01

3.2 Environmental Conditions

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

Temperature:	15°C~35°C
Relative Humidity:	20%~75%
Air Pressure:	98kPa~101kPa

3.3 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

The data and results quoted in this document are true and accurate values, and uncertainties are not involved in the calculations.

In addition, components and mass production processes that are similar to testing equipment may introduce additional deviations, and the manufacturer is solely responsible for the continued compliance of the equipment.

Measurement Frequency Range	U, (dB)	Note
RF frequency	2×10^{-5}	
RF power, conducted	± 0.57 dB	
Conducted emission(150kHz~30MHz)	± 2.5 dB	
Radiated emission(9kHz-30MHz)	± 2.5 dB	
Radiated emission(30MHz~1GHz)	± 4.2 dB	
Radiated emission (above 1GHz)	± 4.7 dB	
Occupied Bandwidth	$\pm 3\%$	
Temperature	± 1 degree	
Humidity	$\pm 5 \%$	

3.4 Test Software

Software name	Manufacturer	Model	Version
Conducted Emission test Software	Farad	EZ-EMC	EMC-CON 3A1.1+
Radiated Emission test Software	Farad	EZ-EMC	FA-03A2
RF Test System	MWRF	MTS 8310	2.0.0.0

4 List of Test Equipment

Radiation emission							
Item	Equipment No.	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	HB-E001	Horn Antenna	Schwarzbeck	BBHA 9120D	02592	2024-05-18	2026-05-17
2	HB-E002	Biconical log-periodic composite antenna	Schwarzbeck	VULB 9168	01340	2024-05-18	2026-05-17
3	HB-E003	SHF-EHF Horn	Schwarzbeck	BBHA 9170	01193	2024-05-18	2026-05-17
4	HB-E005	Preamplifier	Noyetec	LAN-0118	NYCM1420102	2025-05-07	2026-05-06
5	HB-E006	Preamplifier	Noyetec	LAN-1840	NYCM1420103	2025-05-07	2026-05-06
6	HB-E007	EMI TEST RECEIVER	R&S	ESR7	102520	2025-05-07	2026-05-06
7	HB-E009	POSITINAL COTROLLE R	Noyetec	N/A	N/A	/	/
8	HB-E013	RF switch	Noyetec	NY-RF4	NY0CM1420204	/	/
9	HB-E066	Illuminance Tester	TASI	TA8121	N/A	2025-05-13	2026-05-12
10	HB-E075	Active loop antenna	Schwarzbeck	FMZB 1519B	1519B-245	2024-05-18	2026-05-17
11	HB-E076	Preamplifier	Hewlett Packard	8447D	1937A02278	2025-05-07	2026-05-06
Conduction emission							
Item	Equipment No.	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	HB-E014	4 Path V-LISN	Schwarzbeck	NNLK 8121	00770	2025-05-07	2026-05-06
2	HB-E015	Pulse Limiter	Schwarzbeck	VTSD 9561-F	00949	2025-05-07	2026-05-06
3	HB-E016	Absorb clamp	ZHINAN	ZN23201	N/A	2025-05-10	2026-05-09
4	HB-E059	Attenuator	Xianghua	TS2-6-1	220215166	2025-05-10	2026-05-09
5	HB-E069	EMI TEST RECEIVER	R&S	ESCI	N/A	2025-05-07	2026-05-06
RF							
Item	Equipment No.	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	HB-E041	MXG Anaioq Signal Generator	Agilent	N5181A	MY47070421	2025-05-07	2026-05-06
2	HB-E042	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW500	132108	2025-05-08	2026-05-07

3	HB-E043	MXG Anaio Signal Generator	Agilent	N5182A	US46240335	2025-05-08	2026-05-07
4	HB-E044	Signal& spectrum Analyzer	R&S	FSV3044	101264	2025-05-07	2026-05-06
5	HB-E045	RF Control Box	Noyetec	NY100-R FCB	N/A	2025-05-08	2026-05-07
6	HB-E058	Thermometer Clock Humidity Monitor	N/A	HTC-1S	N/A	2025-05-09	2026-05-08

Note: the calibration interval of the above test instruments is 12&24 months and the calibrations are traceable to international system unit (SI).

5 Test Item And Results

5.1 Antenna Requirement

5.1.1 Standard Requirement

15.203 requirement: For intentional device, according to 15.203: 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

5.1.2 Test Result

The antenna is a PCB antenna, which was permanently affixed to the device and un-replaced, complies with 15.203. In addition, the maximum antenna gain is -0.58dBi.

5.2 Conducted Emission

5.2.1 Limits

Limits – Class B		
Frequency (MHz)	Limit (dBμV)	
	Quasi-Peak	Average
0.15 to 0.5	66 to 56*	56 to 46*
0.5 to 5	56	46
5 to 30	60	50

Note:

- the tighter limit applies at the band edges.
- the limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

5.2.2 Test Procedures

a) EUT Operating Conditions

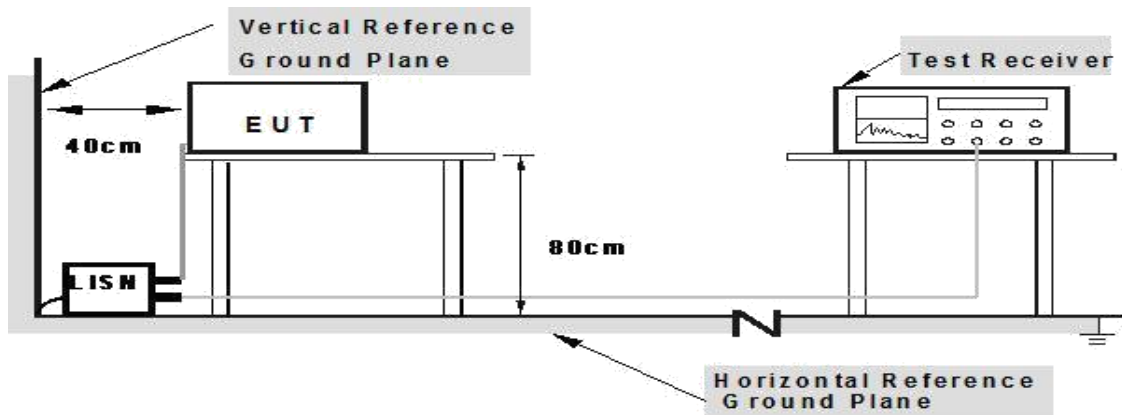
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

b) The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

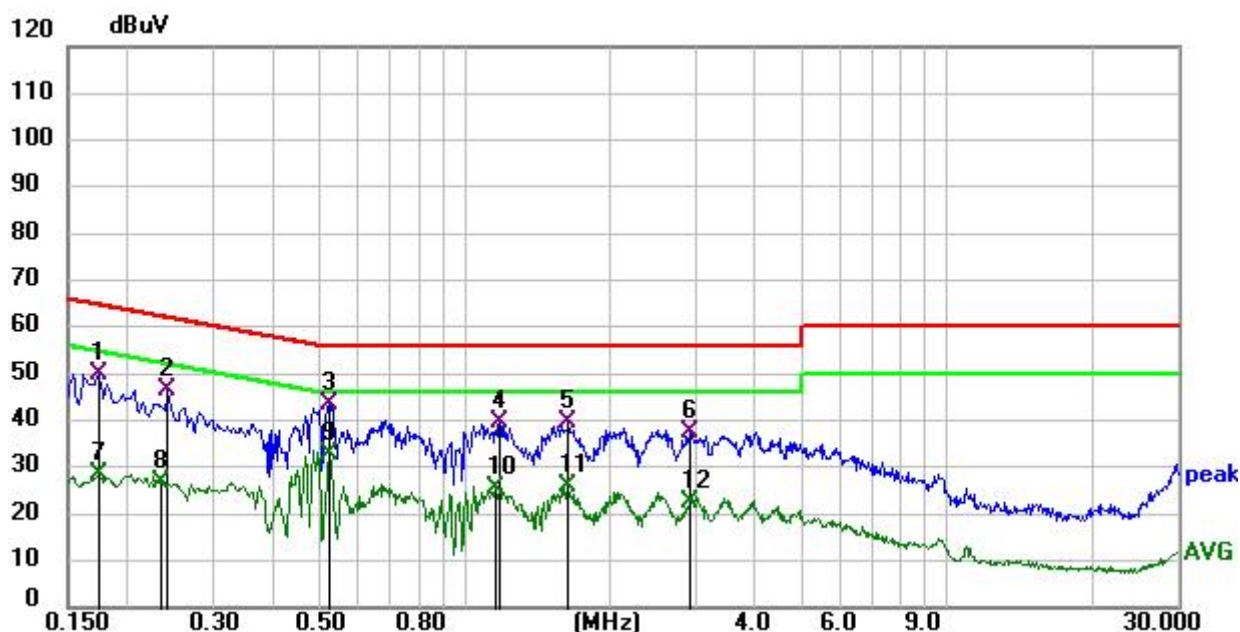
- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN is at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item – photographs of the test setup.

5.2.3 Test Setup



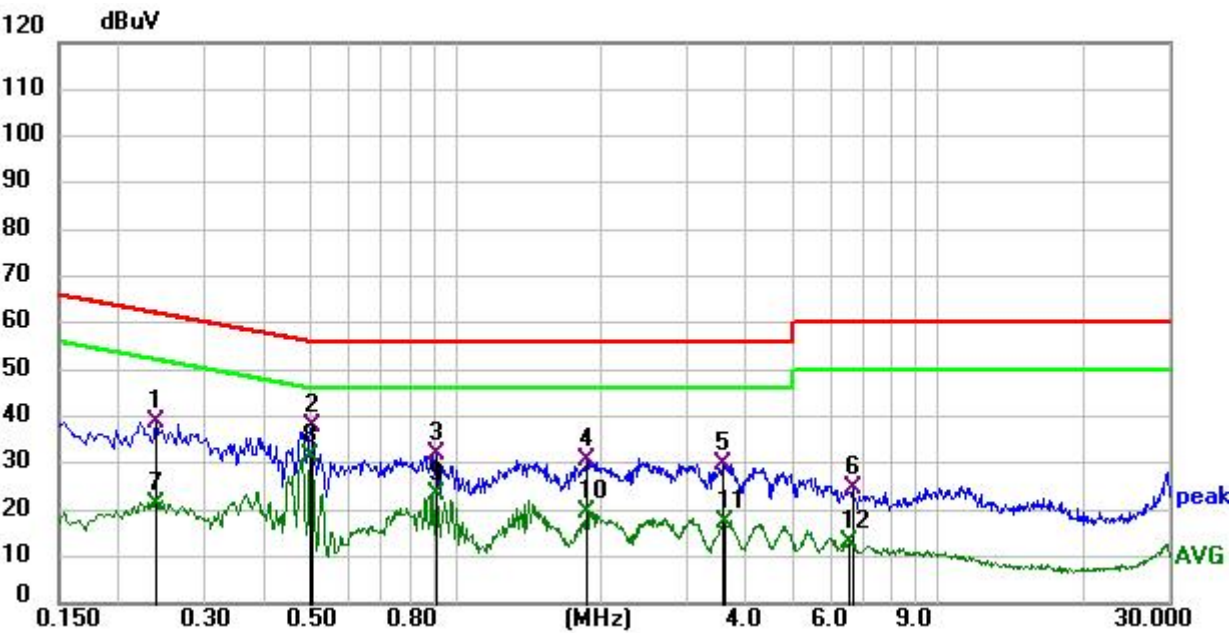
5.2.4 Test Result

EUT:	Tyrannosaurus remote control	Model Name:	T-rexRCH 6CH
Test Mode:	Charge	Phase:	L
Test Voltage:	DC 5V from adapter AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	38.89	11.03	49.92	64.77	-14.85	QP
2	0.2420	35.36	11.03	46.39	62.03	-15.64	AVG
3	0.5220	32.47	11.03	43.50	56.00	-12.50	QP
4	1.1820	28.49	11.04	39.53	56.00	-16.47	AVG
5*	1.6420	28.42	11.05	39.47	56.00	-16.53	QP
6	2.9300	26.31	11.07	37.38	56.00	-18.62	AVG
7	0.1740	17.31	11.03	28.34	54.77	-26.43	QP
8	0.2340	15.96	11.03	26.99	52.31	-25.32	AVG
9	0.5220	21.57	11.03	32.60	46.00	-13.40	QP
10	1.1539	14.49	11.04	25.53	46.00	-20.47	AVG
11	1.6420	14.69	11.05	25.74	46.00	-20.26	QP
12	2.9300	11.43	11.07	22.50	46.00	-23.50	AVG

EUT:	Tyrannosaurus remote control	Model Name:	T-rexRCH 6CH
Test Mode:	Charge	Phase:	N
Test Voltage:	DC 5V from adapter AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2380	27.66	11.03	38.69	62.17	-23.48	QP
2	0.5020	26.89	11.03	37.92	56.00	-18.08	AVG
3	0.9100	20.73	11.04	31.77	56.00	-24.23	QP
4	1.8660	19.67	11.06	30.73	56.00	-25.27	AVG
5*	3.5780	18.80	11.07	29.87	56.00	-26.13	QP
6	6.6300	13.38	11.12	24.50	60.00	-35.50	AVG
7	0.2380	10.30	11.03	21.33	52.17	-30.84	QP
8	0.4980	20.38	11.03	31.41	46.03	-14.62	AVG
9	0.9140	12.17	11.04	23.21	46.00	-22.79	QP
10	1.8660	8.41	11.06	19.47	46.00	-26.53	AVG
11	3.6260	6.16	11.07	17.23	46.00	-28.77	QP
12	6.5500	2.13	11.12	13.25	50.00	-36.75	AVG

5.3 Radiated Emission

5.3.1 Limits

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 §15.209, whichever is the lesser attenuation.

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequencies (MHz)	Field Strength (micровolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

FCC PART 15.249(a);

Except as provided in paragraph (a) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Frequency (MHz)	Field Strength of Fundamental (mV/m)	Field Strength of Harmonics (μV/m)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500

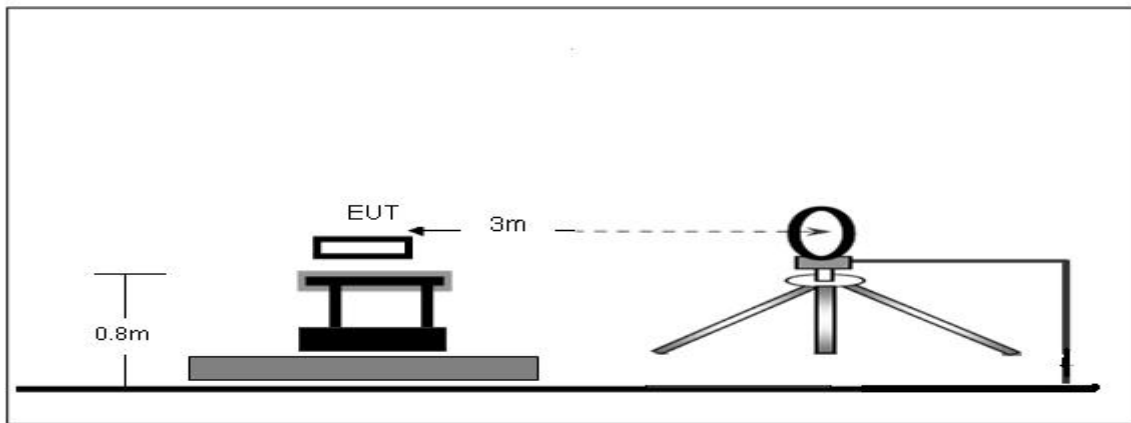
5.3.2 Test Procedures

- The EUT is placed on a turntable, which is 0.8m above ground plane for test frequency range below 1GHz, and 1.5m above ground plane for test frequency range above 1GHz.
- EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- Use the following spectrum analyser settings:
 - Span = wide enough to fully capture the emission being measured

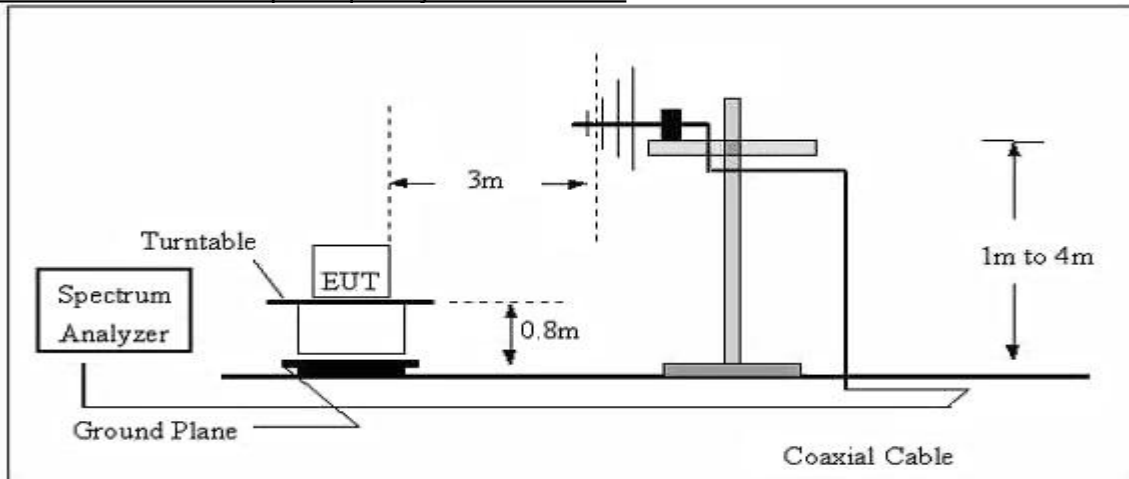
2. RBW = 1 MHz for $f \geq 1\text{GHz}$, 100 kHz for $f < 1\text{GHz}$
 3. VBW $\geq$ RBW, Sweep = auto
 4. Detector function = peak
 5. Trace = max hold
- d) Follow the guidelines in ANSI C63.4-2014 with respect to maximizing the emission by rotating the EUT, adjusting the measurement antenna height and polarization, etc. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- e) The peak level, once corrected, must comply with the limit specified in Section 15.209. Set the RBW = 1MHz, VBW = 10Hz, Detector = PK for AV value, while maintaining all of the other instrument settings.
- f) For the actual test configuration, please refer to the related item – EUT test photos.

5.3.3 Test Setup

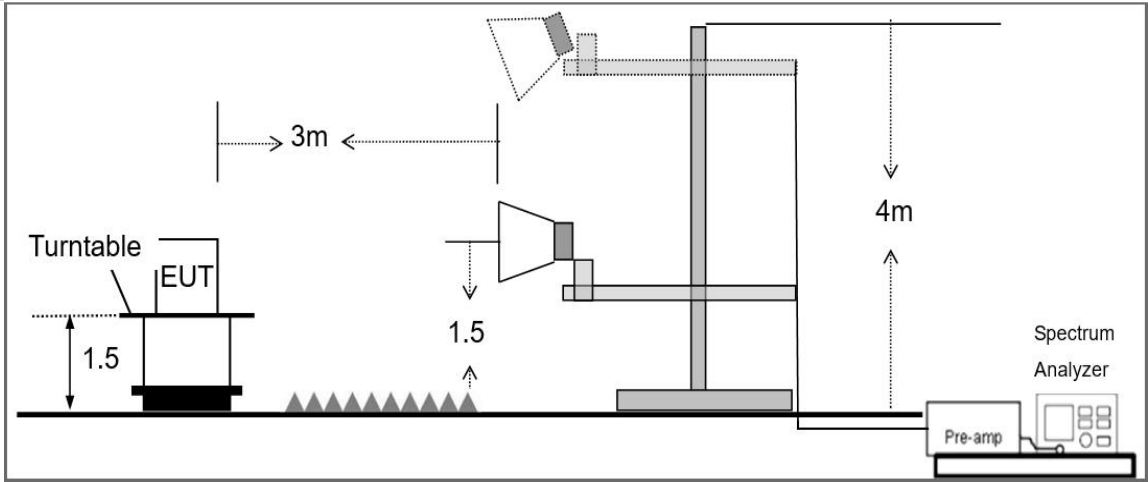
Radiated Emission Test-Up Frequency Below 30MHz



Radiated Emission Test-Up Frequency 30MHz~1GHz



Radiated emission test-up frequency above 1GHz



5.3.4 Test Result

Below 30MHz

EUT:	Tyrannosaurus remote control	Model Name:	T-rexRCH 6CH
Pressure:	1010 hPa	Test Voltage:	DC 3.7V
Test Mode:	TX	Polarization::	--

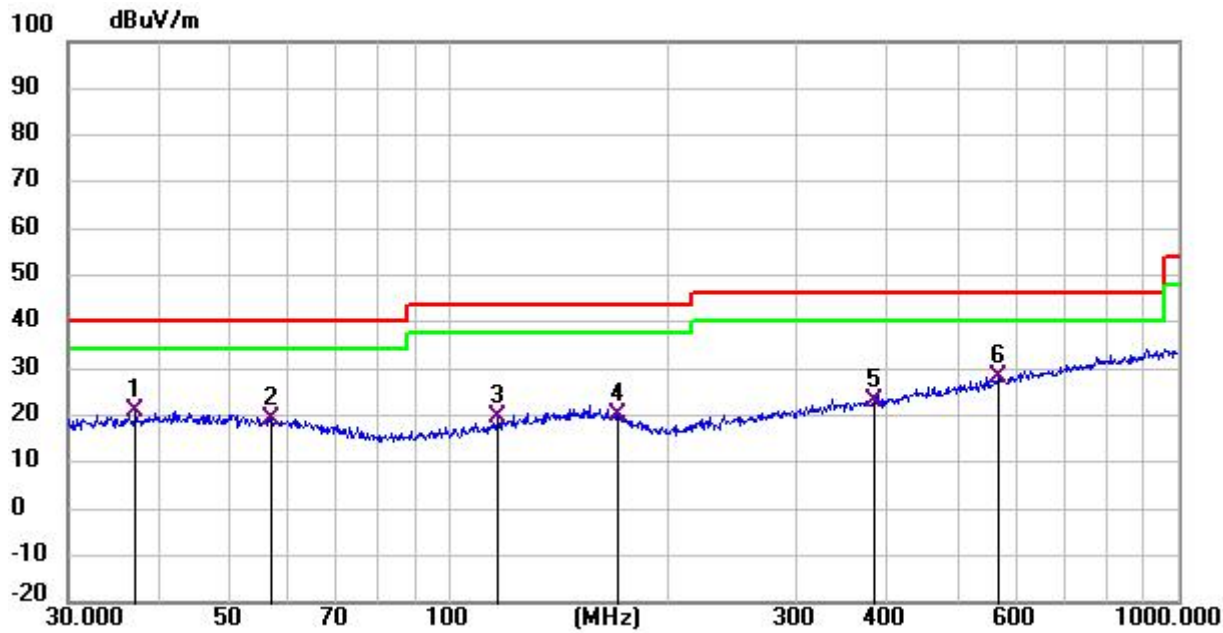
Freq. (MHz)	Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	State P/F
--	--	--	--	Pass
--	--	--	--	Pass

Note:

1. For 9kHz-30MHz, the amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
2. Distance extrapolation factor = $40 \log (\text{specific distance}/\text{test distance})(\text{dB})$;
3. Limit line = specific limits (dBuV) + distance extrapolation factor.

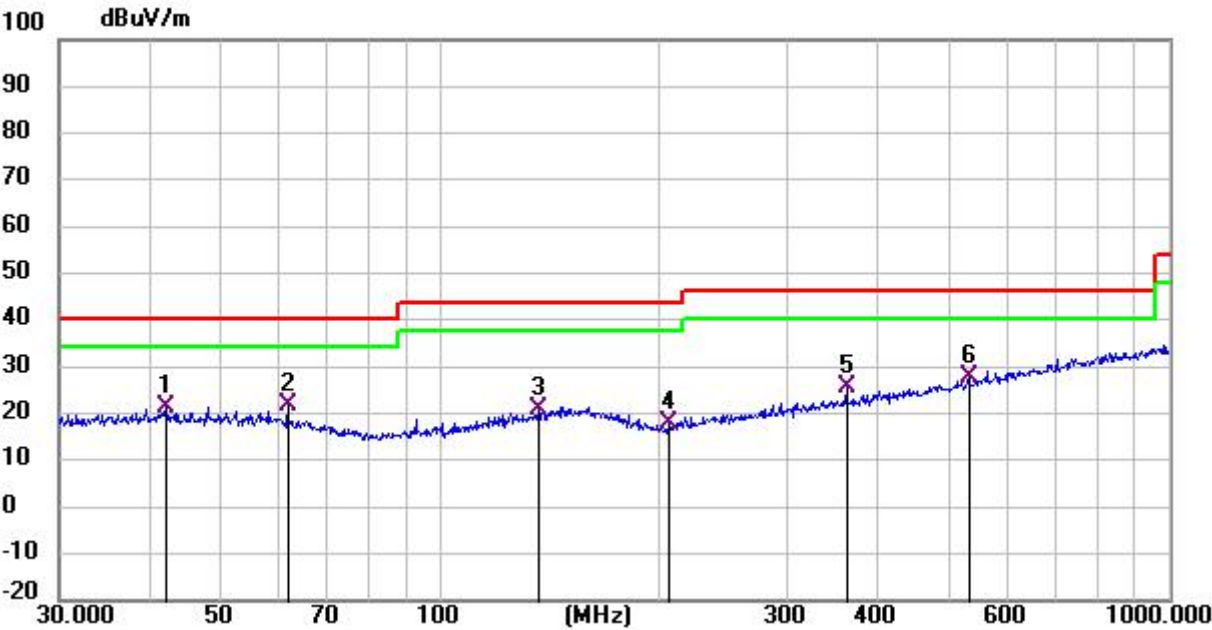
Frequency range (30MHz – 1GHz)

EUT:	Tyrannosaurus remote control	Model Name:	T-rexRCH 6CH
Test Mode:	TX	Phase:	Vertical
Test Voltage:	DC 3.7V		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	37.1550	33.70	-12.95	20.75	40.00	-19.25	QP
2	57.1914	32.75	-13.50	19.25	40.00	-20.75	QP
3	116.9495	33.39	-13.94	19.45	43.50	-24.05	QP
4	170.1948	32.66	-12.43	20.23	43.50	-23.27	QP
5	382.5879	32.53	-9.48	23.05	46.00	-22.95	QP
6*	568.6127	33.66	-5.31	28.35	46.00	-17.65	QP

EUT:	Tyrannosaurus remote control	Model Name:	T-rexRCH 6CH
Test Mode:	TX	Phase:	Horizontal
Test Voltage:	DC 3.7V		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.1542	34.08	-12.74	21.34	40.00	-18.66	QP
2	61.7781	35.98	-13.98	22.00	40.00	-18.00	QP
3	136.4598	33.24	-12.43	20.81	43.50	-22.69	QP
4	205.6751	32.95	-15.18	17.77	43.50	-25.73	QP
5	361.7139	35.52	-9.96	25.56	46.00	-20.44	QP
6*	531.9635	33.81	-6.13	27.68	46.00	-18.32	QP

5.3.5 Band edge–Field strength of fundamental

Frequency	Ant. Polarization	Emission level	Limits	Detector	Result
(MHz)	H / V	dBμV/m	dBμV/m		
2402	H	96.23	114	PK	PASS
2402	H	80.32	94	AV	PASS
2402	V	75.09	114	PK	PASS
2402	V	64.12	94	AV	PASS

Frequency	Ant. Polarization	Emission level	Limits	Detector	Result
(MHz)	H / V	dBμV/m	dBμV/m		
2440	H	95.25	114	PK	PASS
2440	H	80.26	94	AV	PASS
2440	V	77.13	114	PK	PASS
2440	V	64.37	94	AV	PASS

Frequency	Ant. Polarization	Emission level	Limits	Detector	Result
(MHz)	H / V	dBμV/m	dBμV/m		
2480	H	95.86	114	PK	PASS
2480	H	80.32	94	AV	PASS
2480	V	80.53	114	PK	PASS
2480	V	68.22	94	AV	PASS

5.3.6 Band edge-radiated

Frequency (MHz)	Meter Reading (dBμV)	Cable Loss (dB)	Antenna Factor dB/m	Preamplifier Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type	Comment
GFSK									
2390.00	64.78	2.44	28.30	40.10	55.42	74	-18.58	Pk	Vertical
2390.00	42.81	2.44	28.30	40.10	33.45	54	-20.55	AV	Vertical
2390.00	63.62	2.44	28.30	40.10	54.26	74	-19.74	Pk	Horizontal
2390.00	42.94	2.44	28.30	40.10	33.58	54	-20.42	AV	Horizontal
2483.50	62.50	2.48	28.70	39.80	53.88	74	-20.12	Pk	Vertical
2483.50	44.06	2.48	28.70	39.80	35.44	54	-18.56	AV	Vertical
2483.50	65.18	2.48	28.70	39.80	56.56	74	-17.44	Pk	Horizontal
2483.50	43.17	2.48	28.70	39.80	34.55	54	-19.45	AV	Horizontal
2500.00	45.31	3.49	29.20	32.66	45.27	74	-28.73	Pk	Vertical
2500.00	33.86	3.49	29.20	32.66	33.73	54	-20.27	AV	Vertical
2500.00	45.47	3.49	29.20	32.66	45.21	74	-28.79	Pk	Horizontal
2500.00	33.79	3.49	29.20	32.66	33.66	54	-20.34	AV	Horizontal

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit

All the modulation modes have been tested, and the worst result was report as below:

5.3.7 Spurious emission in restricted Above 1GHz

Frequency (MHz)	Reading Level (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamplifier Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type	Comment
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Low Channel (2402 MHz)(GFSK)--Above 1G									
4804.338	63.09	4.36	32.92	45.53	54.84	74.00	-19.16	Pk	Vertical
4804.338	41.70	4.36	32.92	45.53	33.45	54.00	-20.55	AV	Vertical
7206.107	61.85	5.02	37.63	45.56	58.94	74.00	-15.06	Pk	Horizontal
7206.107	40.94	5.02	37.63	45.56	38.03	54.00	-15.97	AV	Horizontal
4804.169	62.74	4.36	32.92	45.53	54.49	74.00	-19.51	Pk	Vertical
4804.169	42.92	4.36	32.92	45.53	34.67	54.00	-19.33	AV	Vertical
7206.214	62.52	5.02	37.63	45.56	59.61	74.00	-14.39	Pk	Horizontal
7206.214	41.46	5.02	37.63	45.56	38.55	54.00	-15.45	AV	Horizontal
Mid Channel (2440 MHz)(GFSK)--Above 1G									
4880.473	63.44	4.41	33.01	45.76	55.10	74.00	-18.90	Pk	Vertical
4880.473	43.29	4.41	33.01	45.76	34.95	54.00	-19.05	AV	Vertical
7320.265	64.37	5.02	37.68	45.59	61.48	74.00	-12.52	Pk	Horizontal
7320.265	41.02	5.02	37.68	45.59	38.13	54.00	-15.87	AV	Horizontal
4880.366	62.96	4.41	33.01	45.76	54.62	74.00	-19.38	Pk	Vertical
4880.366	40.76	4.41	33.01	45.76	32.42	54.00	-21.58	AV	Vertical
7320.234	61.30	5.02	37.68	45.59	58.41	74.00	-15.59	Pk	Horizontal
7320.234	44.44	5.02	37.68	45.59	41.55	54.00	-12.45	AV	Horizontal
High Channel (2480 MHz)(GFSK)-- Above 1G									
4960.482	63.75	4.50	33.26	46.07	55.44	74.00	-18.56	Pk	Vertical
4960.482	42.02	4.50	33.26	46.07	33.71	54.00	-20.29	AV	Vertical
7440.131	64.76	5.02	37.78	45.77	61.79	74.00	-12.21	Pk	Horizontal
7440.131	48.26	5.02	37.78	45.77	45.29	54.00	-8.71	AV	Horizontal
4960.326	63.00	4.50	33.26	46.07	54.69	74.00	-19.31	Pk	Vertical
4960.326	45.39	4.50	33.26	46.07	37.08	54.00	-16.92	AV	Vertical
7440.199	65.50	5.02	37.78	45.77	62.53	74.00	-11.47	Pk	Horizontal
7440.199	45.84	5.02	37.78	45.77	42.87	54.00	-11.13	AV	Horizontal

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
4. All the modulation modes have been tested, and only the worst results are reflected in the report.

5.4 20dB and 99% Bandwidth

5.4.1 Limit

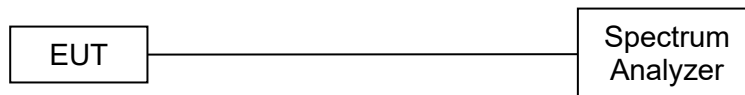
FCC §15.215(c)

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

5.4.2 Test Procedure

1. Use the following spectrum analyzer settings:
2. For 20 dB bandwidth
3. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel
4. RBW $\geq 1\%$ of the 20 dB bandwidth
5. VBW $\geq$ RBW
6. Sweep = auto
7. Detector function = peak
8. Trace = max hold
9. The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth and 99% occupied bandwidth of the emission

5.4.3 Test Setup



5.4.4 Test Results

Frequency (MHz)	20dB bandwidth (MHz)
2402	1.112
2440	1.108
2480	1.110

Test plots



6 Photographs of the Test Setup

Note: Refer to the attached test photos

7 Photographs of the EUT

Note: Refer to the attached exterior and interior photos

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