

**TEST REPORT**

**Test Items:** Radiation 18-25GHz

**Applicant:** Qihan Technology Co.,LTD

**Address of applicant:** China National Offshore Oil Building, No.3168 Houhaibin  
Road, Nanshan District, Shenzhen, China

**Product Description:** Intelligent Robot

**Tested Model:** T1-A1-L

**Tested Date:** October 18, 2017

**Tested By:** Peng Shiqing / Engineer

**Approved & Authorized By:** Andy Yeh / Technical Director

**Prepared By:**

*Peng Shiqing*

*Andy Yeh*

**Shenzhen Morlab Communications Technology Co., Ltd.**  
FL.3, Building A, FeiYang Science Park, No.8 Long Chang Road,  
Block 67, BanAn District, Shenzhen, Guangdong Province, P.R. China

Shenzhen Morlab Communications Technology Co., Ltd. Test Firm Registration Number is CN1192 which compliance with ANSI C63.10-2013 and ANSI/TIA-603-D:2010.

### Test Equipment List

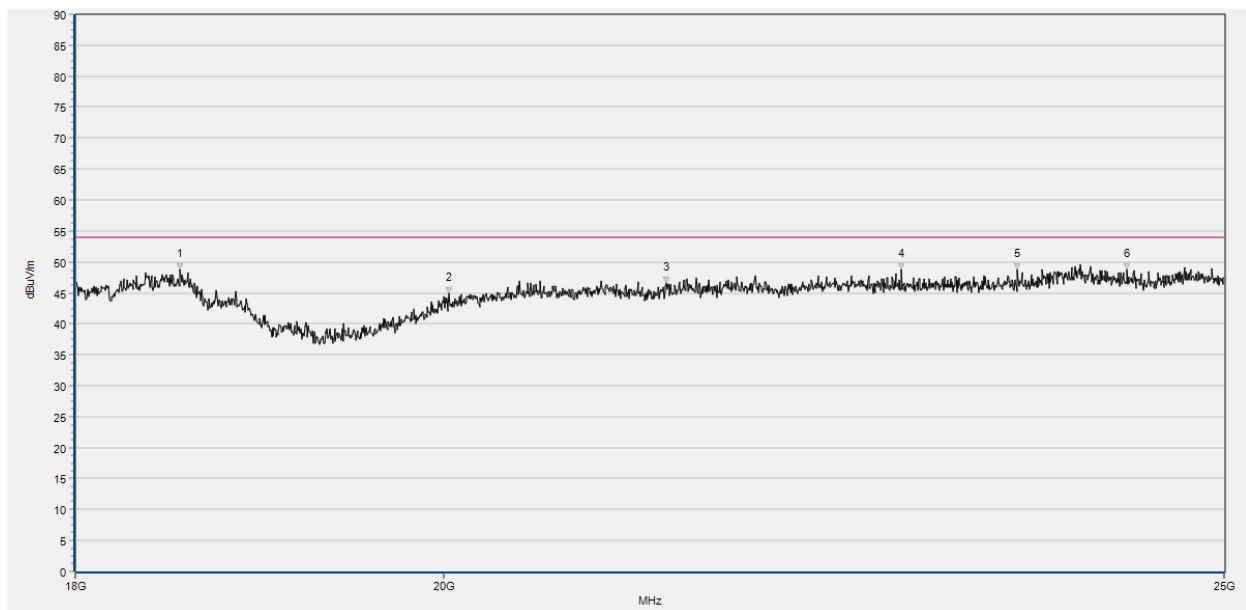
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
MXE EMI Receiver	Agilent	N9038A	MY54130016	2017.05.17	2018.05.16
Semi-Anechoic Chamber	Changning	9m*6m*6m	N/A	2017.01.11	2018.01.10
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2016.12.09	2017.12.08
Test Antenna - Horn	Schwarzbeck	BBHA9120 C	9120C-384	2017.03.30	2018.03.29
Test Antenna - Horn	Schwarzbeck	BBHA9170	BBHA9170#773	2017.09.13	2018.09.12

## Spurious Emissions Above 18GHz

### FCC Part 15.205, 15.209 and 15.247 standards

EUT: Crescent Mini PC Console Projector  
Tested Model: FHPC-01  
Operating Condition: Worst case WIFI 802.11b Low Channel (2412MHz)  
Comment: AC 120V/60Hz; Adapter DC 5V

Test Specification: Vertical

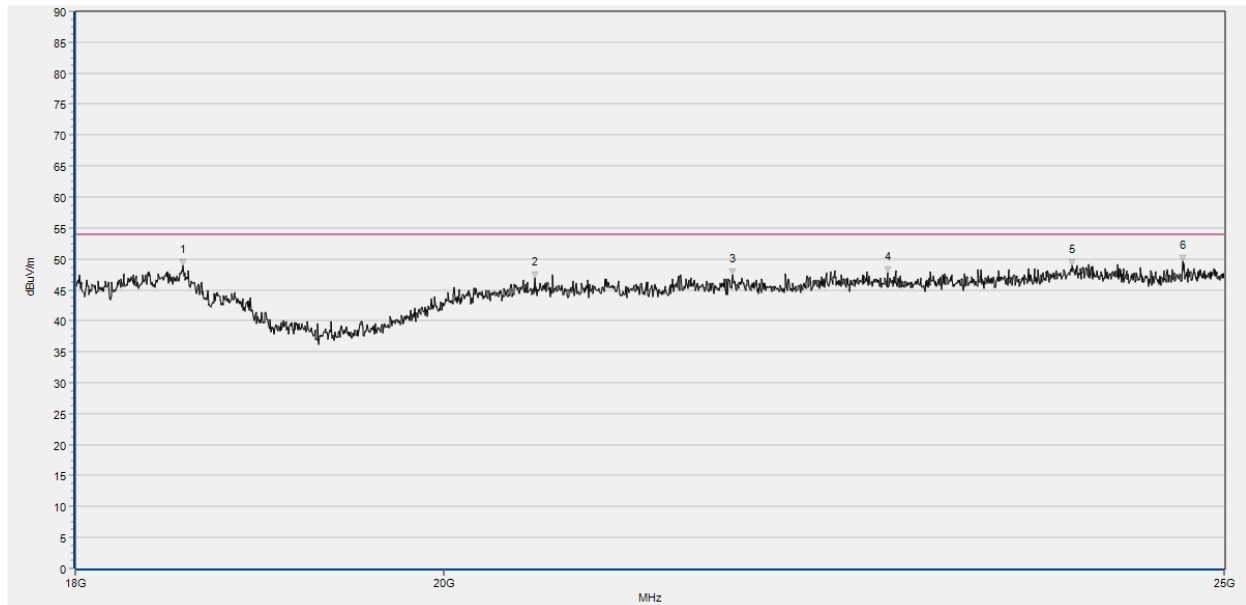


Num	Freq(MHz)	PK	limit AV	Degree	Antenna	Verdict
1	18547.627	48.81	54.00	195.3	V	PASS
2	20030.369	44.85	54.00	165.6	V	PASS
3	21313.512	46.65	54.00	107.4	V	PASS
4	22796.254	48.76	54.00	9.3	V	PASS
5	23566.139	48.69	54.00	107.4	V	PASS
6	24315.657	48.76	54.00	77.5	V	PASS

# Shenzhen Morlab Communications Technology Co., Ltd.

EUT: Crescent Mini PC Console Projector  
Tested Model: FHPC-01  
Operating Condition: Worst case WIFI 802.11b Low Channel (2412MHz)  
Comment: AC 120V/60Hz; Adapter DC 5V

Test Specification: Horizontal



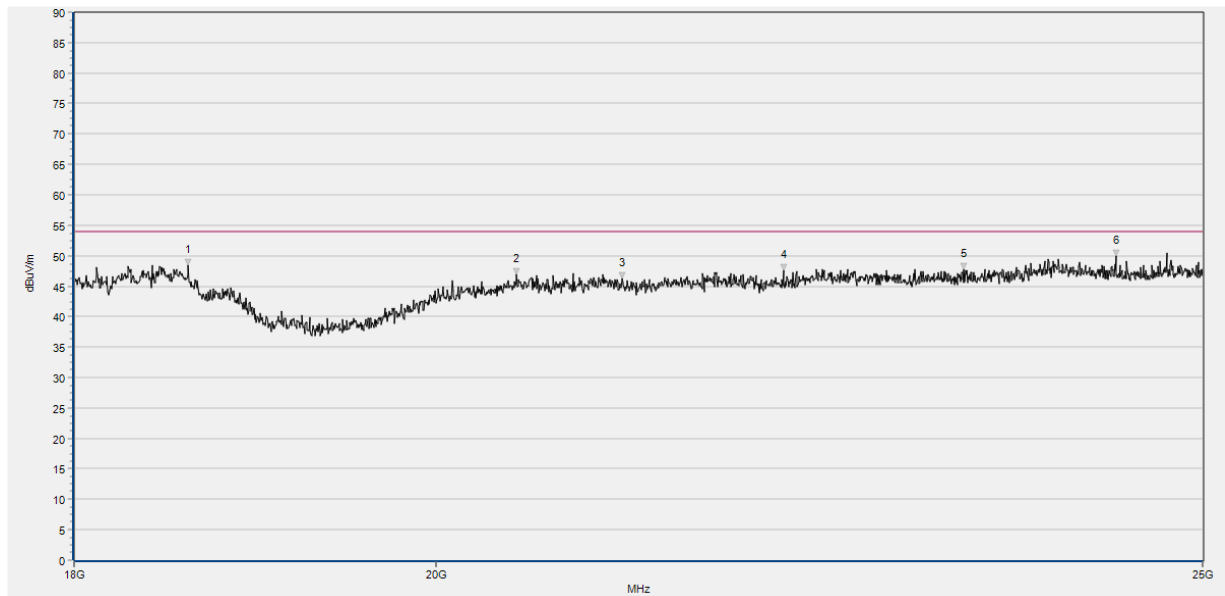
Num	Freq(MHz)	PK	limit AV	Degree	Antenna	Verdict
1	18563.921	48.86	54.00	86.9	H	PASS
2	20527.332	46.91	54.00	308.4	H	PASS
3	21720.858	47.48	54.00	1.9	H	PASS
4	22706.638	47.75	54.00	193.6	H	PASS
5	23936.825	48.96	54.00	164.7	H	PASS
6	24702.637	49.63	54.00	289.1	H	PASS

## Spurious Emissions Above 18GHz

### FCC Part 15.205, 15.209 and 15.247 standards

EUT: Crescent Mini PC Console Projector  
Tested Model: FHPC-01  
Operating Condition: Worst case BT Low Channel (2402MHz)\_EDR  
Comment: AC 120V/60Hz; Adapter DC 5V

Test Specification: Vertical

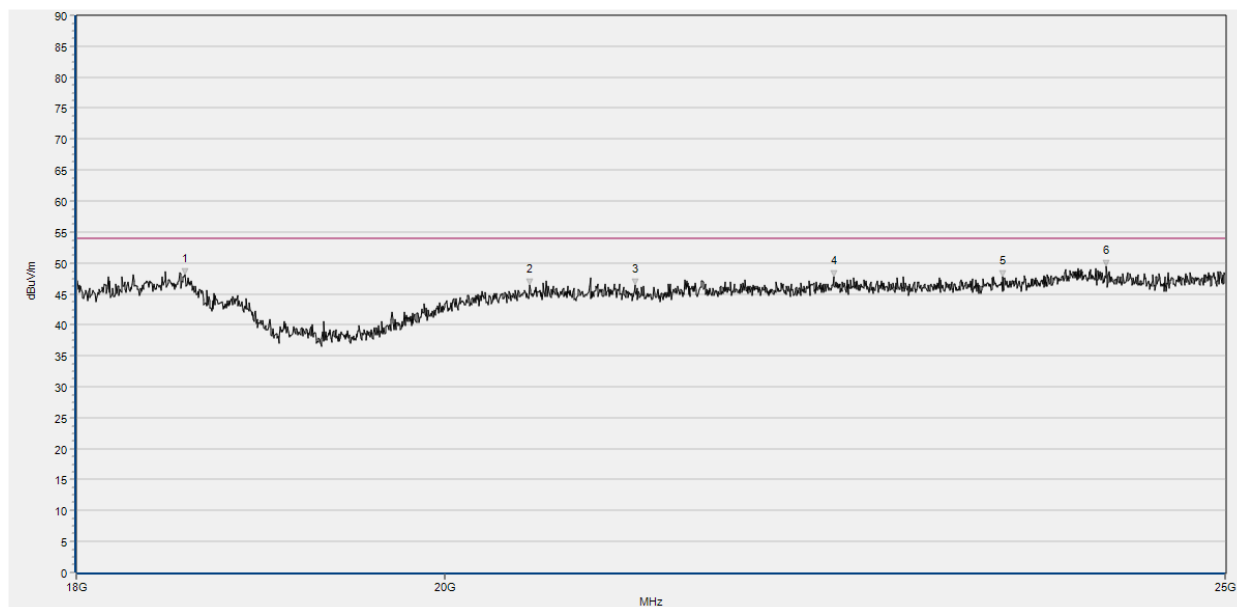


Num	Freq(MHz)	PK	limit AV	Degree	Antenna	Verdict
1	18608.729	48.40	54.00	272.3	V	PASS
2	20474.377	47.00	54.00	272.3	V	PASS
3	21113.912	46.18	54.00	301.7	V	PASS
4	22128.205	47.58	54.00	0.0	V	PASS
5	23321.731	47.75	54.00	146.7	V	PASS
6	24376.759	49.87	54.00	321.0	V	PASS

# Shenzhen Morlab Communications Technology Co., Ltd.

EUT: Crescent Mini PC Console Projector  
Tested Model: FHPC-01  
Operating Condition: Worst case BT Low Channel (2402MHz)\_EDR  
Comment: AC 120V/60Hz; Adapter DC 5V

Test Specification: Horizontal



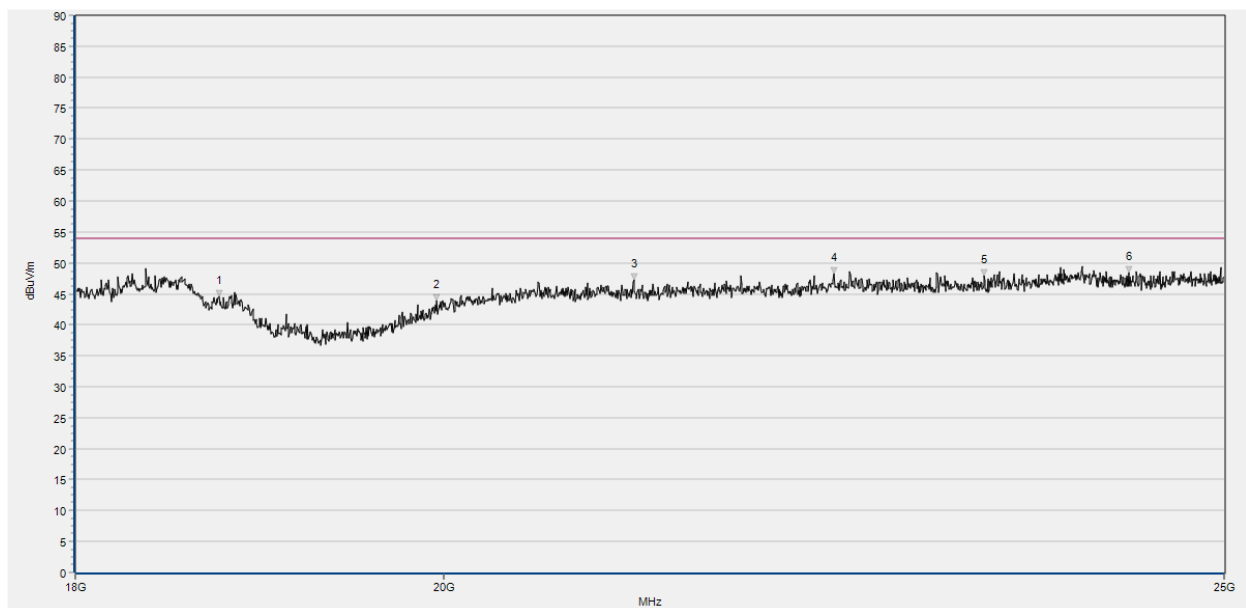
Num	Freq(MHz)	PK	limit AV	Degree	Antenna	Verdict
1	18567.994	48.11	54.00	300.7	H	PASS
2	20490.671	46.39	54.00	106.9	H	PASS
3	21117.985	46.41	54.00	281.2	H	PASS
4	22352.246	47.70	54.00	2.0	H	PASS
5	23460.229	47.70	54.00	145.2	H	PASS
6	24164.939	49.47	54.00	183.9	H	PASS

## Spurious Emissions Above 18GHz

### FCC Part 15.205, 15.209 and 15.247 standards

EUT: Crescent Mini PC Console Projector  
 Tested Model: FHPC-01  
 Operating Condition: Worst case BT High Channel (2480MHz)\_BLE  
 Comment: AC 120V/60Hz; Adapter DC 5V

Test Specification: Vertical

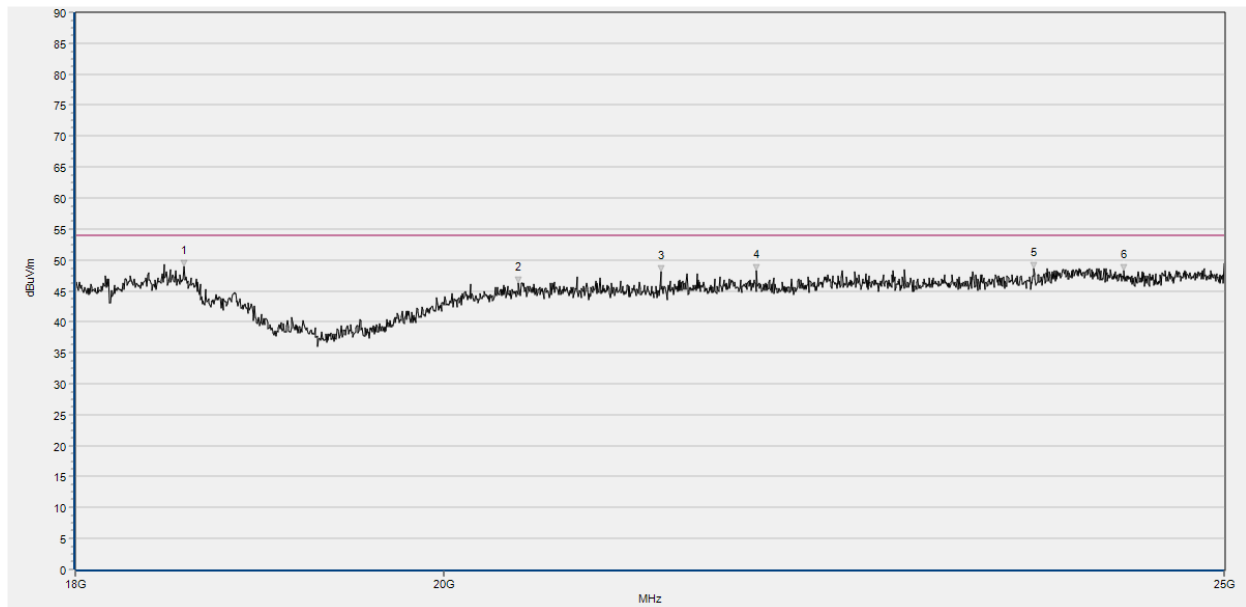


Num	Freq(MHz)	PK	limit AV	Degree	Antenna	Verdict
1	18755.374	44.61	54.00	194.3	V	PASS
2	19961.120	43.97	54.00	165.1	V	PASS
3	21117.985	47.27	54.00	145.6	V	PASS
4	22360.393	48.21	54.00	360.0	V	PASS
5	23342.099	47.96	54.00	78.2	V	PASS
6	24327.878	48.47	54.00	39.2	V	PASS

# Shenzhen Morlab Communications Technology Co., Ltd.

EUT: Crescent Mini PC Console Projector  
Tested Model: FHPC-01  
Operating Condition: Worst case BT High Channel (2480MHz)\_BLE  
Comment: AC 120V/60Hz; Adapter DC 5V

Test Specification: Horizontal



Num	Freq(MHz)	PK	limit AV	Degree	Antenna	Verdict
1	18567.994	48.95	54.00	224.0	H	PASS
2	20433.642	46.22	54.00	0.0	H	PASS
3	21280.924	48.08	54.00	262.7	H	PASS
4	21871.577	48.19	54.00	165.7	H	PASS
5	23676.123	48.55	54.00	108.1	H	PASS
6	24295.290	48.20	54.00	340.3	H	PASS



**Test Setup Photographs**



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