Report No.: NTC1901106FV00 FCC ID: 2AJTV-EB678X



# RADIO TEST REPORT

The device described below is tested by Dongguan Nore Testing Center Co., Ltd. to determine the maximum emission levels emanating from the device, the severe levels which the device can endure and E.U.T.'s performance criterion. The test results, data evaluation, test procedures, and equipment of configurations shown in this report were made in accordance with the procedures in ANSI C63.10(2013).

Applicant : Dashine Electronics Co., Ltd

Address : No.53, Guangtian Road, Yanchuan community, Yanluo street, Bao'an

District, ShenZhen, China

Manufacturer / Factory : Dashine Electronics Co., Ltd

Address : No.53, Guangtian Road, Yanchuan community, Yanluo street, Bao'an

District, ShenZhen, China

E.U.T. : Playstation Classic Wireless Dongle

Brand Name : YOK

Model No. : EB678

FCC ID : 2AJTV-EB678X

Measurement Standard: FCC PART 15.249: 2017

Date of Receiver : January 09, 2019

Date of Test : January 09, 2019 to January 21, 2019

Date of Report : January 21, 2019

This Test Report is Issued Under the Authority of :

Prepared by

Rose Hu / Engineer

Approved & A

Iori Fan / Authorized Signatory

This test report is for the customer shown above and their specific product only. This report applies to above tested sample only and shall not be reproduced in part without written approval of Dongguan Nore Testing Center Co., Ltd.

Dongguan Nore Testing Center Co., Ltd. Report No.: NTC1901106FV00 FCC ID: 2AJTV-EB678X



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# **Revision History of This Test Report**

Report Number	Description	Issued Date
NTC1901106FV00	Initial Issue	2019-01-21

Report No.: NTC1901106FV00 FCC ID: 2AJTV-EB678X



### 1. GENERAL INFORMATION

### 1.1 Product Description for Equipment under Test

Product Name : Playstation Classic Wireless Dongle

Main model number : EB678

Additional Model

number

: N/A

Brand Name : YOK

Power Supply : DC 5V

Adapter : N/A

Test voltage : DC 5V come from PC

Model Difference

Description

: N/A

Hardware version : V00

Software version : V00

Note : N/A

Remark : N/A

### **Technical Specification:**

#### 2.4G Function:

Frequency

Range

: 2403~2471MHz

Modulation Type : GFSK

Number of

: 16

Channel Antenna Type

: PCB

Antenna Gain

0 dBi (Declaration by manufacturer)

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### **Channel List**

Channel	Frequency MHz	Channel	Frequency MHz
1	2403	9	2441
2	2407	10	2446
3	2412	11	2451
4	2417	12	2456
5	2422	13	2461
6	2427	14	2466
7	2432	15	2468
8	2436	16	2471

Note: The Lowest, middle, and the Highest frequency of channel were selected to perform the test. The frequency selected see below:

The Lowest frequency: 2403MHz The middle frequency: 2441MHz The Highest frequency: 2471MHz

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### 1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intenSded for FCC ID: 2AJTV-EB678X filing to comply with Section 15.249 of the FCC Part 15 (2017), Subpart C Rule.

### 1.3 Test Methodology

The radiated emission measurement was performed according to the procedures in ANSI C63.10 (2013). Radiated emission measurement was performed in semi-anechoic chamber. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters.

### 1.4 Equipment Modifications

Not available for this EUT intended for grant.

#### 1.5 Support Device

None

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### 1.6 Test Facility and Location

Site Description

EMC Lab : Listed by CNAS, August 13, 2018

The certificate is valid until August 13, 2024

The Laboratory has been assessed and proved to

be in compliance with CNAS/CL01

The Certificate Registration Number is L5795.

Listed by A2LA, November 01, 2017

The certificate is valid until December 31, 2019 The Laboratory has been assessed and proved to

be in compliance with ISO17025

The Certificate Registration Number is 4429.01

Listed by FCC, November 06, 2017 The Designation Number is CN1214 Test Firm Registration Number: 907417

Listed by Industry Canada, June 08, 2017

The Certificate Registration Number. Is 46405-9743

Name of Firm : Dongguan Nore Testing Center Co., Ltd.

(Dongguan NTC Co., Ltd.)

Site Location : Building D, Gaosheng Science and Technology

Park, Hongtu Road, Nancheng District, Dongguan

City, Guangdong Province, China

Dongguan Nore Testing Center Co., Ltd. Report No.: NTC1901106FV00 FCC ID: 2AJTV-EB678X

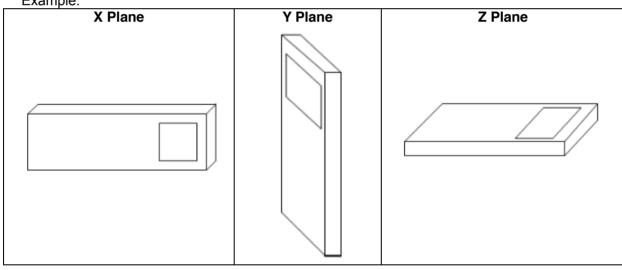


# 1.7 Summary of Test Results

FCC Rules	Description Of Test	Uncertainty	Result
§15.207(a)	AC Power Conducted Emission	±1.06dB	Compliant
§15.249(a)/ 15.209	Radiated Emissions	±3.70dB	Compliant
§15.249(d)/ 15.205	Band Edge	±1.70dB	Compliant
§15.215(c)	20dB Bandwidth	±1.42 x10 <sup>-4</sup> %	Compliant
§15.203	Antenna Requirement		Compliant

Note: The EUT shall be performed three orthogonal planes. The worst plane is Z.

Example:



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# 2. System Test Configuration

### 2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

### 2.2 Special Accessories

Not available for this EUT intended for grant.

### 2.3 Description of test modes

The EUT has been tested under operating condition. The Lowest, middle and highest frequencies were chosen for testing.

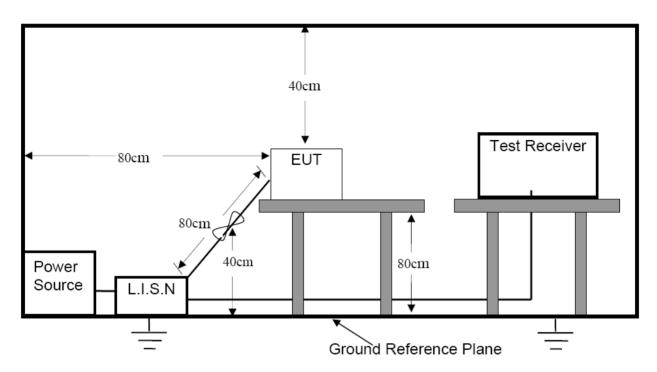
#### 2.4 EUT Exercise

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements.



### 3. Conducted Emissions Test

# 3.1 Test SET-UP (Block Diagram of Configuration)



### 3.2 Test Condition

Test Requirement: FCC Part 15.207

Frequency Range: 150KHz ~ 30MHz

**Detector: RBW 9KHz, VBW 30KHz** 

**Operation Mode: TX** 

#### 3.3 Measurement Results

#### **PASS**

Please refer to following the test plots of the worst case: Low channel.

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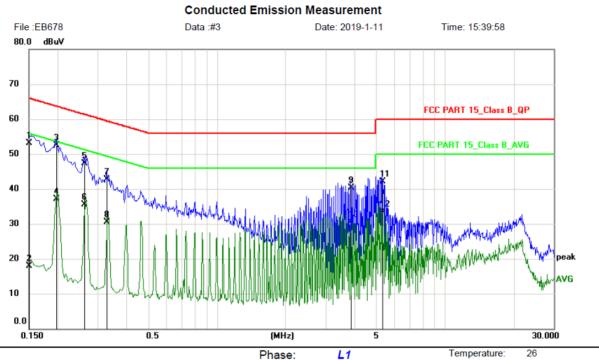




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AC120V/60Hz

Humidity:

50 %

Site Limit: FCC PART 15\_Class B\_QP

EUT: M/N: EB678 Mode: TX

Note: Playstation Classic Wireless Dongle

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	42.59	10.61	53.20	66.00	-12.80	QP	
2		0.1500	7.39	10.61	18.00	56.00	-38.00	AVG	
3	*	0.1980	41.99	10.61	52.60	63.69	-11.09	QP	
4		0.1980	26.49	10.61	37.10	53.69	-16.59	AVG	
5		0.2620	36.69	10.61	47.30	61.37	-14.07	QP	
6		0.2620	24.99	10.61	35.60	51.37	-15.77	AVG	
7		0.3300	32.19	10.61	42.80	59.45	-16.65	QP	
8		0.3300	19.89	10.61	30.50	49.45	-18.95	AVG	
9		3.8660	29.74	10.66	40.40	56.00	-15.60	QP	
10		3.8660	19.94	10.66	30.60	46.00	-15.40	AVG	
11		5.3300	31.54	10.66	42.20	60.00	-17.80	QP	
12		5.3300	22.94	10.66	33.60	50.00	-16.40	AVG	

Power:

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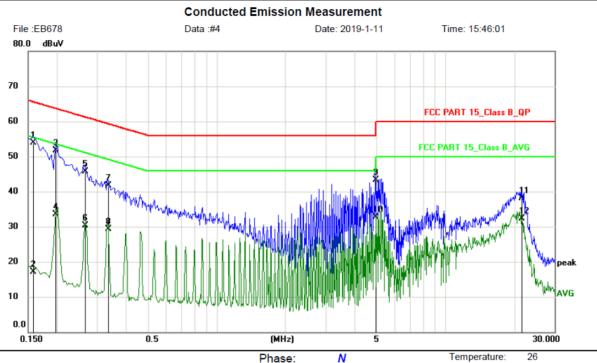




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AC120V/60Hz

Humidity:

50 %

Limit: FCC PART 15\_Class B\_QP

EUT: M/N: EB678 Mode: TX

Note: Playstation Classic Wireless Dongle

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1580	43.29	10.61	53.90	65.57	-11.67	QP	
2	0.1580	6.49	10.61	17.10	55.57	-38.47	AVG	
3	0.1980	41.19	10.61	51.80	63.69	-11.89	QP	
4	0.1980	22.99	10.61	33.60	53.69	-20.09	AVG	
5	0.2660	35.09	10.61	45.70	61.24	-15.54	QP	
6	0.2660	19.69	10.61	30.30	51.24	-20.94	AVG	
7	0.3339	31.09	10.61	41.70	59.35	-17.65	QP	
8	0.3339	18.79	10.61	29.40	49.35	-19.95	AVG	
9	4.9339	32.64	10.66	43.30	56.00	-12.70	QP	
10	4.9339	22.04	10.66	32.70	46.00	-13.30	AVG	
11	21.5380	27.52	10.68	38.20	60.00	-21.80	QP	
12	21.5380	21.72	10.68	32.40	50.00	-17.60	AVG	

Power:

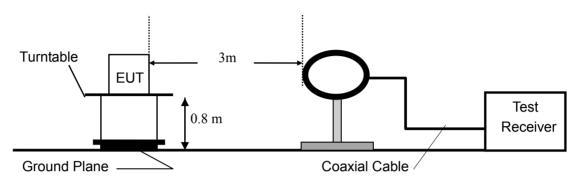
FCC ID: 2AJTV-EB678X

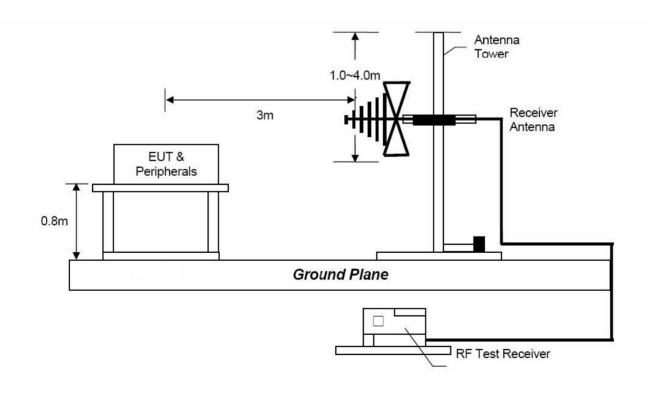


### 4. Radiated Emission Test

### 4.1 Test SET-UP (Block Diagram of Configuration)

4.1.1 Radiated Emission Test Set-Up, Frequency Below 30MHz

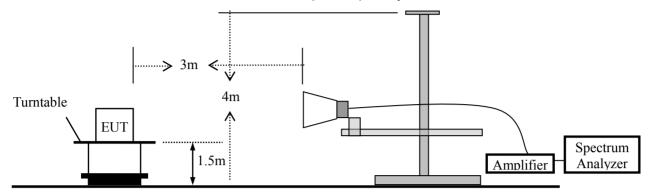




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### 4.1.2 Radiated Emission Test Set-Up, Frequency above 1GHz



#### **4.2 Measurement Procedure**

- a. Blow 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi- anechoic chamber room.
- b. For the radiated emission test above 1GHz:
  - The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter full anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- c. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The height of antenna 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 the measurement.
- e. 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.
- f. A Quasi-peak measurement was then made for that frequency point for below 1GHz test. PK and AV for above 1GHz emission test.

During the radiated emission test, the spectrum analyzer was set with the following configurations:

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Frequency Band (MHz)	Level	Resolution Bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	3 MHz
Above 1000	Average	1 MHz	10 Hz

#### 4.3 Limit

Frequency range	Distance Meters	Field Strengths	Limit (15.209)	
MHz		μV/m		
0.009 ~ 0.490	300	2400/F	(kHz)	
0.490 ~ 1.705	30	24000/	F(kHz)	
1.705 ~ 30	30	30	0	
30 ~ 88	3	10	0	
88 ~ 216	3	15	50	
216 ~ 960	3	200		
Above 960	3	50	0	
Frequency range	Distance Meters	Field Strengths	Limit (15.249)	
MHz		mV/m	μV/m	
		(Field strength of	(Field strength of	
		fundamental) Harmonics)		
902 ~ 928	3	50	500	
2400 ~ 2483.5	3	50	500	
5725 ~ 5875	3	50	500	
24000 ~ 2425000	3	250	2500	

Remark: (1) Emission level (dB) $\mu$ V = 20 log Emission level  $\mu$ V/m

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
- (4) The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower.
- (5) Sample of data calculate:

Level=Reading + Factor; Margin= Level-Limit

Factor=CF+AF+AG

Where CF=Cable attenuation factor in dB

AF= Antenna factor in dB AG=Amplifier Gain in dB Dongguan Nore Testing Center Co., Ltd. Report No.: NTC1901106FV00 FCC ID: 2AJTV-EB678X



### **4.4 Measurement Results**

#### **PASS**

Please refer to following the test plots of the worst case: Low channel.

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#### **Radiated Emission Measurement** File:EB678 Data :#27 Date: 2019-1-17 Time: 11:02:32 80.0 dBuV/m 70 60 FCC Part 15\_ClassB\_3M Margin -6 dB 50 40 30 20 10 0.0 224.00 321.00 418.00 709.00 806.00 1000.00 MHz 30.000 127.00 515.00 612.00

Site

Limit: FCC Part 15\_ClassB\_3M

EUT:

M/N: EB678 Mode: TX

Note: Eut:Playstation Classic Wireless Dongle

Polarization: Horizontal Temperature: 26
Power: DC5V Humidity: 47 %

Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		104.6900	39.46	-12.16	27.30	43.50	-16.20	QP			
2	*	152.2200	46.73	-15.43	31.30	43.50	-12.20	QP			
3		266.6800	41.07	-11.27	29.80	46.00	-16.20	QP			
4		396.6600	40.93	-9.13	31.80	46.00	-14.20	QP			
5		461.6500	36.18	-7.68	28.50	46.00	-17.50	QP			
6		893.3000	33.40	-1.20	32.20	46.00	-13.80	QP			

Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.

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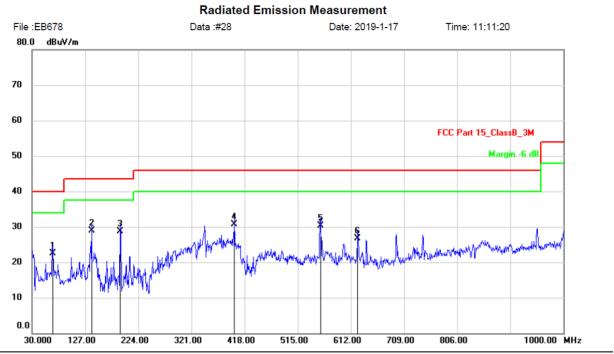




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Site

Limit: FCC Part 15\_ClassB\_3M

EUT:

M/N: EB678 Mode: TX

Note: Eut:Playstation Classic Wireless Dongle

Polarization: Vertical Temperature: 26
Power: DC5V Humidity: 47 %

Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∀	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		67.8300	39.08	-16.58	22.50	40.00	-17.50	QP			
2	*	138.6400	47.43	-18.53	28.90	43.50	-14.60	QP			
3		191.0200	45.23	-16.53	28.70	43.50	-14.80	QP			
4		399.5700	41.91	-11.11	30.80	46.00	-15.20	QP			
5		556.7100	38.73	-8.33	30.40	46.00	-15.60	QP			
6		624.6100	33.65	-6.85	26.80	46.00	-19.20	QP			

Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.

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Frequency Range: 1-25GHz Test Date: January 15, 2019

Test Result: PASS Temperature : 21  $^{\circ}$ C Measured Distance: 3m Humidity : 55  $^{\circ}$ 

Test By: Sance

Freq.	Ant.Pol.		ding	Factor	Emissio		Limit		Mai	•
(MHz)	(H/V)	Level(	evel(dBuV) (dBuV) (dBuV)		ıV)	(dBuV/m)		(d	B)	
(1711 12)	(11/7)	PK	AV	(ub/iii)	PK	AV	PK	AV	PK	AV
Operation Mode: TX Mode (Low)										
2403	V	88.85	35.19	0.13	88.98	35.32	114.00	94.00	-25.02	-58.68
4806	V	48.49	31.86	6.32	54.81	38.18	74.00	54.00	-19.19	-15.82
7209	V	45.31	30.83	10.44	55.75	41.27	74.00	54.00	-18.25	-12.73
2403	Н	94.96	35.13	0.13	95.09	35.26	114.00	94.00	-18.91	-58.74
4806	Н	52.66	31.8	6.32	58.98	38.12	74.00	54.00	-15.02	-15.88
7209	Н	46.19	30.86	10.44	56.63	41.30	74.00	54.00	-17.37	-12.7
Operation Mode: TX Mode (Mid)										
2441	V	87.49	35.19	0.24	87.73	35.43	114.00	94.00	-26.27	-58.57
4882	V	49.82	31.69	6.60	56.42	38.29	74.00	54.00	-17.58	-15.71
7323	V	46.8	30.99	10.55	57.35	41.54	74.00	54.00	-16.65	-12.46
2441	Н	92.79	35.28	0.24	93.03	35.52	114.00	94.00	-20.97	-58.48
4882	Н	51.09	31.74	6.60	57.69	38.34	74.00	54.00	-16.31	-15.66
7323	Н	45.1	30.98	10.55	55.65	41.53	74.00	54.00	-18.35	-12.47
			Ope	ration Mo	ode: TX N	lode (Hi	gh)		l .	1
2471	V	89.64	35.01	0.32	89.96	35.33	114.00	94.00	-24.04	-58.67
4942	V	50.03	31.74	6.82	56.85	38.56	74.00	54.00	-17.15	-15.44
7413	V	43.87	30.76	10.59	54.46	41.35	74.00	54.00	-19.54	-12.65
2471	Н	92.41	35.11	0.32	92.73	35.43	114.00	94.00	-21.27	-58.57
4942	Н	48.86	32.11	6.82	55.68	38.93	74.00	54.00	-18.32	-15.07
7413	Н	43.9	31.06	10.59	54.49	41.65	74.00	54.00	-19.51	-12.35

Note: (1) All Readings are Peak Value and AV.

- (2) Emission Level= Reading Level + Factor
- (3) Factor= Antenna Gain + Cable Loss Amplifier Gain
- (4) Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 10dB below the permissible limits.
- (5) Measurement uncertainty: ±3.7dB.
- (6) Horn antenna used for the emission over 1000MHz.
- (7) Due to the highest Peak emission level below AVG limit, therefore, the AVG emission level is deemed to meet the requirements, no AVG result record.

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#### 5. 20dB Bandwidth

#### 5.1 Measurement Procedure

The 20dB bandwidth of the emission was contained within the frequency band designated which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over excepted variations in temperature and supply voltage were considered, FCC Rule 15.215(c):

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RBW was chosen so that the display was a result of the hopping channel modulation. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. Use the spectrum 20dB down delta function to measure the bandwidth.

#### **5.2 Test SET-UP (Block Diagram of Configuration)**

FIIT	Spectrum Analyzer
LOI	Spectrum Anaryzer

#### 5.3 Measurement Results

Refer to attached data chart.

RBW: 30KHz VBW: 100KHz Spectrum Detector: PK Temperature : 22  $^{\circ}$ C Test By: Sance Humidity : 54  $^{\circ}$ 

Test Result: PASS Test Date: January 12, 2018

Channel frequency (MHz)	20dB Down BW(kHz)		
2403	1650.641		
2441	1442.308		
2471	1979.167		

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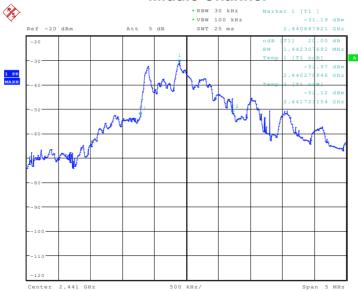


### **Lowest Channel**



Date: 21.JAN.2019 17:30:30

### **Middle Channel**



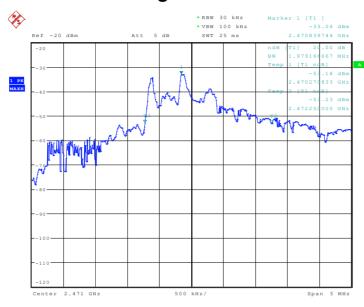
Date: 21.JAN.2019 17:35:04

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# **Highest Channel**



Date: 21.JAN.2019 17:39:25

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# 6. Band Edge

#### **6.1 Measurement Procedure**

Same as Radiated Emission Test.

#### 6.2 Limit

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.

#### 6.3 Measurement Results

Operation Mode: TX Mode Test Date: January 15, 2019

Temperature : 21  $^{\circ}$ C Humidity : 55  $^{\circ}$ C Test Result: PASS Test By: Sance

Measured Distance: 3m

Freq. (MHz)	Ant.Pol. (H/V)	Reading Level(dBuV)		Factor	Emission Level (dBuV)		Limit 3m (dBuV/m)		Margin (dB)	
		PK	AV	(dB/m)	PK	AV	PK	AV	PK	AV
2390.0	Н	55.64	34.13	0.09	55.73	34.22	74.00	54.00	-18.27	-19.78
2390.0	V	54.6	34.24	0.09	54.69	34.33	74.00	54.00	-19.31	-19.67
2483.5	Н	57.85	32.97	0.35	58.20	33.32	74.00	54.00	-15.8	-20.68
2483.5	V	49.78	33.17	0.35	50.13	33.52	74.00	54.00	-23.87	-20.48

Note: (1) Emission Level= Reading Level + Factor

(2) Factor= Antenna Gain + Cable Loss – Amplifier Gain

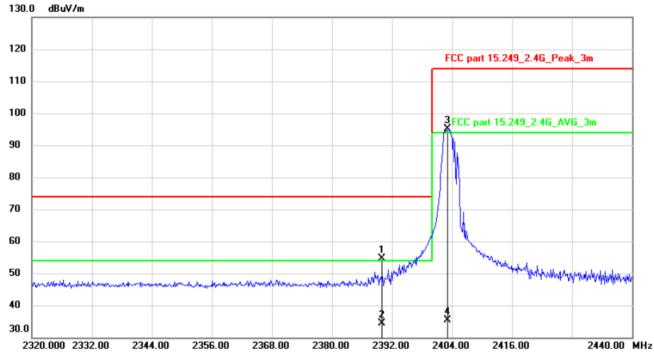
(3) Horn antenna used for the emission over 1000MHz.

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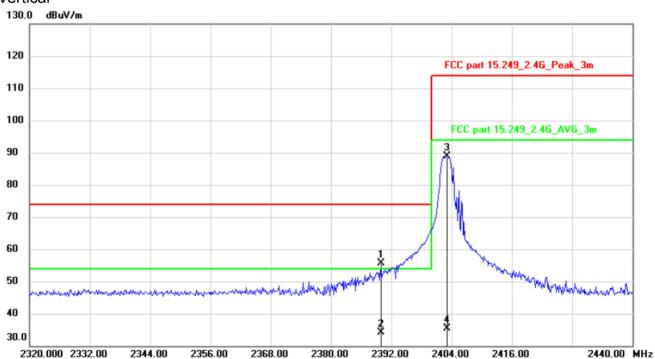


### Low channel





#### Vertical

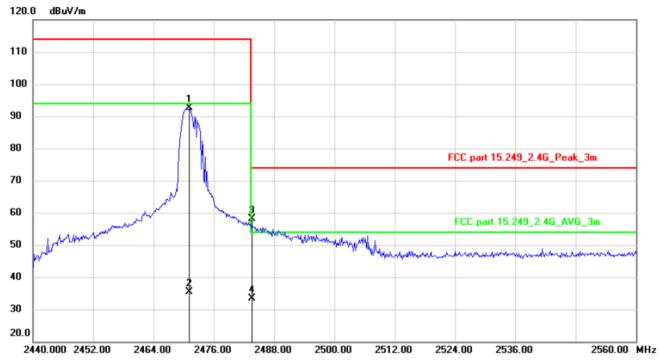


Report No.: NTC1901106FV00 FCC ID: 2AJTV-EB678X

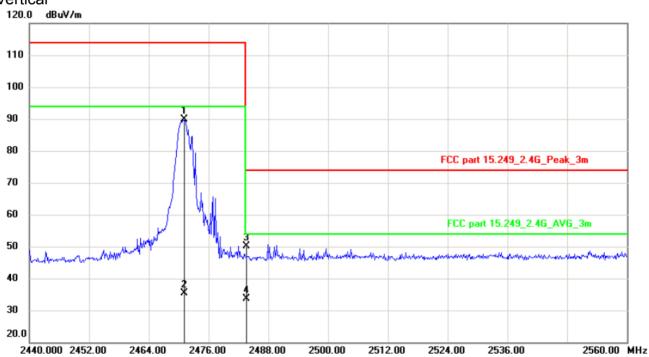


# **High channel**





#### Vertical



Report No.: NTC1901106FV00 FCC ID: 2AJTV-EB678X



# 7. Antenna requirement

#### 7.1 Measurement Procedure

According to of FCC part 15C section 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. 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.

Systems operating in the 2400-2483.5MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

#### 7.2 Measurement Results

The antenna is PCB antenna and no consideration of replacement, and the best case gain of the antenna is 0dBi. So, the antenna is consider meet the requirement.

Dongguan Nore Testing Center Co., Ltd. Report No.: NTC1901106FV00

FCC ID: 2AJTV-EB678X



# 8. Test Equipment List

Description	Manufacturer	Model Number	Serial Number	Characteristics	Calibration Date	Calibration Due Date
Test Receiver	Rohde & Schwarz	ESCI7	100837	9KHz~7GHz	Mar. 14, 2018	Mar. 13, 2019
Antenna	Schwarzbeck	VULB9162	9162-010	30MHz~7GHz	Mar. 15, 2018	Mar. 14, 2019
Cable	Huber+Suhner	CBL2-NN-1M	22390001	9KHz~7GHz	Mar. 14, 2018	Mar. 13, 2019
Cable	Huber+Suhner	CIL02	N/A	9KHz~7GHz	Mar. 14, 2018	Mar. 13, 2019
RF Cable	Huber+Suhner	SF-104	MY16559/4	9KHz~25GHz	Apr. 25, 2018	Apr. 24, 2019
Power Amplifier	HP	HP 8447D	1145A00203	100KHz~1.3GHz	Mar. 14, 2018	Mar. 13, 2019
Horn Antenna	Schwarzbeck	BBHA9170	9170-242	15GHz~40GHz	Mar. 14, 2018	Mar. 13, 2019
Horn Antenna	Com-Power	AH-118	071078	1GHz~18GHz	Mar. 15, 2018	Mar. 14, 2019
RF Cable	Huber+Suhner	SF-104	N/A	9KHz~40GHz	Apr. 25, 2018	Apr. 24, 2019
Loop antenna	Daze	ZA30900A	0708	9KHz~30MHz	Apr. 25, 2018	Apr. 24, 2019
Spectrum Analyzer	Rohde & Schwarz	FSU26	200409/026	20Hz~26.5GHz	Apr. 25, 2018	Apr. 24, 2019
Spectrum Analyzer	Rohde & Schwarz	FSV40	101003	10Hz~40GHz	Apr. 06, 2018	Apr. 05, 2019
Pre-Amplifier	EMCI	EMC 184045	980102	18GHz~40GHz	Nov. 03, 2018	Nov. 02, 2019
Pre-Amplifier	Agilent	8449B	3008A02964	1GHz~26.5GHz	Apr. 25, 2018	Apr. 24, 2019
L.I.S.N.	Rohde & Schwarz	ENV 216	101317	9KHz~30MHz	Mar. 14, 2018	Mar. 13, 2019
Temporary antenna connector	TESCOM	SS402	N/A	9KHz-25GHz	N/A	N/A
Power Meter	Anritsu	ML2495A	1139001	100k-65GHz	Nov. 03, 2018	Nov. 02, 2019
Power Sensor	Anritsu	MA2411B	100345	300M-40GHz	Nov. 03, 2018	Nov. 02, 2019

Note: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.