

 Report No.: 18220WC20152901
 FCC ID: 2AQA6-H604A
 Page 1 of 25

# FCC TEST REPORT

Client Name	:	Shenzhen	Intelliro	ocks	Tech.	Co., Ltd	(nb

Client Address

No. 2901-2904, 3002, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue,Xili Community, Xili Street, Nanshan District, Shenzhen, China

Product Name : Govee DreamView G1S Pro Gaming Light

Report Date

Nov. 25, 2022





Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com

#### Code:AB-RF-05-b





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# TEST REPORT

Shenzhen Intellirocks Tech. Co., Ltd.
Shenzhen Intellirocks Tech. Co., Ltd.
Govee DreamView G1S Pro Gaming Light
H604C
Govee
Input: 12V 3A

# Test Standard(s):FCC Part15 Subpart C, Section 15.247Test Method(s):ANSI C63.10: 2020, KDB 558074 D01 15.247 Meas Guidance v05r02

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 15 Subpart C requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt Date of Test

Jul. 11~Nov. 01, 2022 Nian Xiu Chen

Prepared by

(Nianxiu Chen)

Jul. 11, 2022

(Kingkong Jin)

Approved & Authorized Signer

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com Code:AB-RF-05-b





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# **Revision History**

Report Ver	sion	Description	Issued Date
R00	Anbotel	Original Issue.	Apr. 24, 2022
R01	Anbo	Reference Note 1	Nov. 25, 2022
ptek Anbote	A Kor	hotek Anbotek Anbotek Anbotek Anbotek Anbote	And And

Note 1:

This is a Class II application which was based on the original report 18220WC20020101. The difference between the original device and current one described as following:

- 1. Changing Adapter to "BI36G-120300-AdU".
- 2. The lamp belt has added lamp beads.
- 3. Changing the color of EUT.
- 4. Changing the model name to "H604C".
- 5. Changing the Product Name to "Govee DreamView G1S Pro Gaming Light".

The changes are not related with the other RF parameters, only Conducted Emission and spurious emission were retested.

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# 1. General Information

### 1.1. Client Information

Applicant	: Shenzhen Intellirocks Tech. Co., Ltd.
Address	<ul> <li>No. 2901-2904, 3002, Block C, Section 1, Chuangzhi Yuncheng Building,</li> <li>Liuxian Avenue,Xili Community, Xili Street, Nanshan District, Shenzhen,</li> <li>China</li> </ul>
Manufacturer	: Shenzhen Intellirocks Tech. Co., Ltd.
Address	<ul> <li>No. 2901-2904, 3002, Block C, Section 1, Chuangzhi Yuncheng Building,</li> <li>Liuxian Avenue,Xili Community, Xili Street, Nanshan District, Shenzhen,</li> <li>China</li> </ul>
Factory	: Shenzhen Intellirocks Tech. Co., Ltd.
Address	<ul> <li>No. 2901-2904, 3002, Block C, Section 1, Chuangzhi Yuncheng Building,</li> <li>Liuxian Avenue,Xili Community, Xili Street, Nanshan District, Shenzhen, China</li> </ul>

# 1.2. Description of Device (EUT)

Product Name	:	Govee DreamView G1S	Pro Gaming Light				
Model No.	:	H604C	notek Anbotek Anbor Att				
Trade Mark	:	Govee	under Anbotek Anbor Anbor A				
Test Power Supply	:	AC 120V, 60Hz for Ada	oter hotek Anborek Ander otek Ander				
Test Sample No.	:	1-2-1(Normal Sample),	1-2-2(Engineering Sample)				
Product Description		Operation Frequency:	BLE: 2402~2480MHz WIFI 2.4G: 802.11b/ g/ n(HT20): 2412-2462MHz				
		Number of Channel: BLE: 40 Channels WIFI 2.4G: 802.11b/ g/ n(HT20): 11 Chann					
		Modulation Type:	BLE: GFSK WIFI 2.4G: CCK, DQPSK, DBPSK for DSSS; 64QAM, 16QAM, QPSK, BPSK for OFDM				
		Antenna Type:	BLE: FPC Antenna 2.4G WIFI: FPC Antenna				
		Antenna Gain(Peak):	BLE: 1.5 dBi(Provide by customer) 2.4G WIFI: 1.5 dBi(Provide by customer)				
		Adapter:	M/N: BI36G-120300-AdU Input: 100-240V~ 50/60Hz, 1.2A Output: 12V 3A				

**Remark:** 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. 2) This report is for WIFI 2.4G module.

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#### 1.3. Auxiliary Equipment Used During Test



#### 1.4. Description of Test Modes

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

#### RADIATED EMISSION TEST (BELOW 1GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

Mode	Available Channel	Test Channel	Modulation Tech.	Data Rate (Mbps)
802.11n (HT20)	1 to 11	1, 6, 11	OFDM	6.5

For the test results, only the worst case was shown in test report.

#### RADIATED EMISSION TEST (ABOVE 1GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

Mode	Available Channel	Test Channel	Modulation Tech.	Data Rate (Mbps)	
802.11n (HT20)	1 to 11	1, 6, 11	OFDM	6.5	

#### POWER LINE CONDUCTED EMISSION TEST:

The EUT was tested with the following mode

Mode	Available Channel	Test Channel	Modulation Tech.	Data Rate (Mbps)
802.11b	1 to 11	1, 6, 11	DSSS	1.0 P
802.11g	1 to 11	1, 6, 11	OFDM	6.0
802.11n (HT20)	1 to 11	1, 6, 11	OFDM	6.5

#### BANDEDGE MEASUREMENT:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

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Following channel(s) was (were) selected for the final test as listed below.

Mode	Available Channel	Test Channel	Modulation Tech.	Data Rate (Mbps)
802.11b	1 to 11	1, 6, 11	DSSS	ek 1.0 nbote
802.11g	o <sup>ote</sup> 1 to 11	1, 6, 11	OFDM	otek 6.0 proc
802.11n (HT20)	1 to 11	1, 6, 11	OFDM	6.5

#### ANTENNA PORT CONDUCTED MEASUREMENT:

This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

Mode	Available Channel	Test Channel	Modulation Tech.	Data Rate (Mbps)	
802.11b	1 to 11	1, 6, 11	DSSS	1.0 porek	
802.11g	1 to 11	1, 6, 11	OFDM	6.0	
802.11n (HT20)	1 to 11	1, 6, 11	OFDM	6.5	

#### 1.5. List of channels

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
01	2412	04	2427	pm <sup>b0</sup> 07	2442	Ano 10	2457
02	2417	05	2432	08	2447	11-1ek	2462
03	2422	06 00	2437	09 oter	2452		

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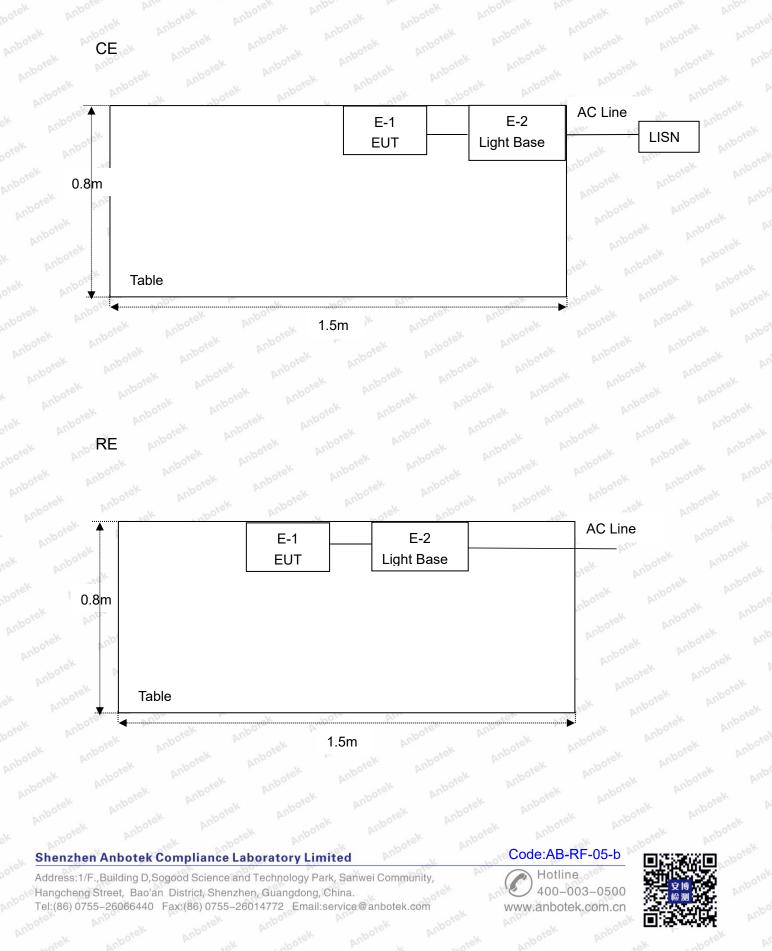
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### 1.6. Description Of Test Setup



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# 1.7. Test Equipment List

	oter And	-los	' <sup>0</sup> 0'	par la	note, vu	
ltem	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interva
Anbo 1. Ar	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Oct. 23, 2022	1 Year
e <sup>k</sup> 2.	Three Phase V-type Artificial Power Network	CYBERTEK	EM5040DT	E215040DT001	Jul. 05, 2022	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Oct. 13, 2022	1 Year
4.	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	Oct. 23, 2022	1 Year
5.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Oct. 22, 2022	1 Year
6.	MXA Spectrum Analysis	Agilent	N9020A	MY51170037	Oct. 13, 2022	1 Year
7	EMI Preamplifier	SKET Electronic	LNPA-0118G-45	SKET-PA-002	Oct. 13, 2022	1 Year
8.	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	Oct. 16, 2022	3 Year
9.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	Oct. 23, 2022	1 Year
10.	Loop Antenna	Schwarzbeck	FMZB1519B	00053	Oct. 23, 2022	1 Year
11.	Horn Antenna	A-INFO	LB-180400-KF	J211060628	Oct. 23, 2022	1 Year
12.	Pre-amplifier	SONOMA	310N	186860	Oct. 23, 2022	1 Year
13.	EMI Test Software EZ-EMC	SHURPLE	Potek N/A Anbolu	N/A offer	N/A	N/A
14.	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY53280032	Oct. 13, 2022	1 Year
15.	MXG RF Vector Signal Generator	Agilent	N5182A	MY48180656	Oct. 13, 2022	1 Year
16.	Signal Generator	Agilent	E4421B	MY41000743	Oct. 13, 2022	1 Year
17.	DC Power Supply	IVYTECH	IV3605	1804D360510	Oct. 22, 2022	1 Year
18.	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-KHWS80B	N/A	Oct. 19, 2022	1 Year

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# 1.8. Measurement Uncertainty

Padiation Uncortainty		Ur = 3.9 dB (Horizontal)	botek	Anbotek	Anbo, stek
Radiation Uncertainty		Ur = 3.8 dB (Vertical)	An	Anboten	Anbu
Conduction Uncertainty	:	Uc = 3.4 dB	Ar. nbotek	Anboten	And

### 1.9. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111.

#### ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

#### **Test Location**

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

#### Shenzhen Anbotek Compliance Laboratory Limited

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# 2. Summary of Test Results

Standard Section	Test Item	Result
15.203/15.247(c)	Antenna Requirement	PASS
15.207	Conducted Emission	PASS
15.205/15.209	Spurious Emission	PASS
15.247(b)(3)	Conducted Peak Output Power	PASS

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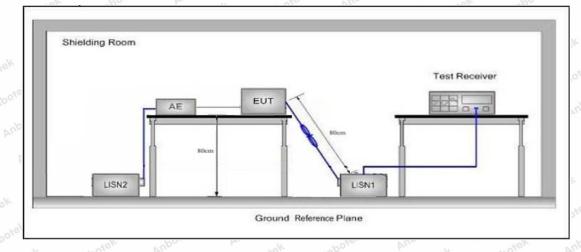
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# 3. Conducted Emission Test

### 3.1. Test Standard and Limit

	<b>Freewone</b>	Maximum RF Lin	e Voltage (dBuV)		
	Frequency —	Quasi-peak Level	Average Level		
Test Limit	150kHz~500kHz	66 ~ 56 *	56 ~ 46 *		
	500kHz~5MHz	56	46		
	5MHz~30MHz	60	Anbor 50 Antone		

# 3.2. Test Setup



## 3.3. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10: 2020 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

### 3.4. Test Data

During the test, pre-scan all modes, only the worst case is recorded in the report.

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#### Code:AB-RF-05-b

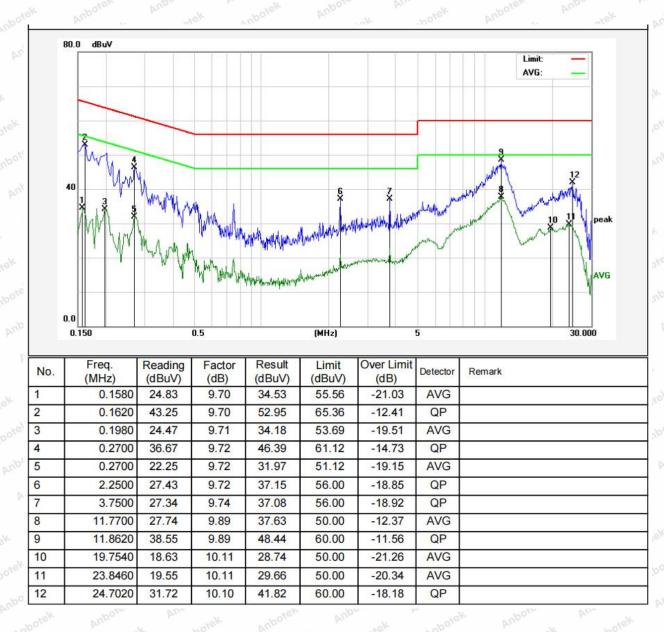


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#### **Conducted Emission Test Data**

Test Site:1# SiteOperating Condition:802.7Test Specification:AC 1Comment:LiveTest Specification:Comment:

1# Shielded Room 802.11n (HT20) CH01 AC 120V, 60Hz for Adapter Live Line Tem.: 23.4℃ Hum.: 50%



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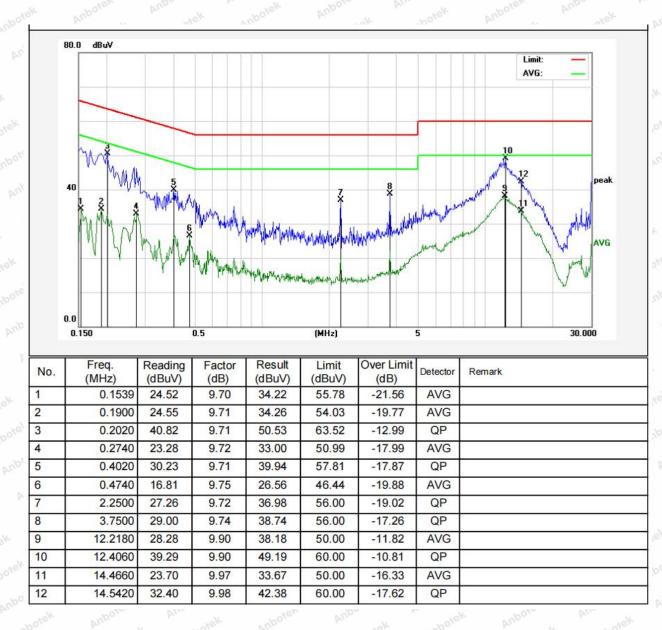
#### Code:AB-RF-05-b



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#### **Conducted Emission Test Data**

Test Site: Operating Condition: Test Specification: Comment: 1# Shielded Room 802.11n (HT20) CH01 AC 120V, 60Hz for Adapter Neutral Line Tem.: 23.4°C Hum.: 50%



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# 4. Radiation Spurious Emission and Band Edge

### 4.1. Test Standard and Limit

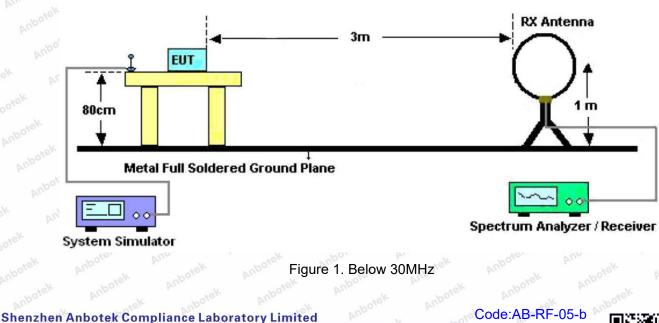
Test Standard	FCC Part15 C Section 15	5.209 and 15.205	ootek Anbote	Anbo of	ek nbotek
	Frequency Field strength (MHz) (microvolt/meter)		Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	Anv	Anbotek	300
	0.490MHz-1.705MHz	24000/F(kHz)	k hotek	Anbotek	30
	1.705MHz-30MHz	mbote 30 Anbot	Ant hote	K Anbotek	30
Test Limit	30MHz~88MHz	100	40.0	Quasi-peak	3
	88MHz~216MHz	150	43.5	Quasi-peak	oten 3 Anbe
	216MHz~960MHz	200	46.0	Quasi-peak	Antoten 3 Ant
	960MHz~1000MHz	500	54.0	Quasi-peak	Anbota 3
	Above 1000MHz	500	54.0	Average	3
		An-	74.0	Peak	3

#### Remark:

(1)The lower limit shall apply at the transition frequency.

(2) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

## 4.2. Test Setup



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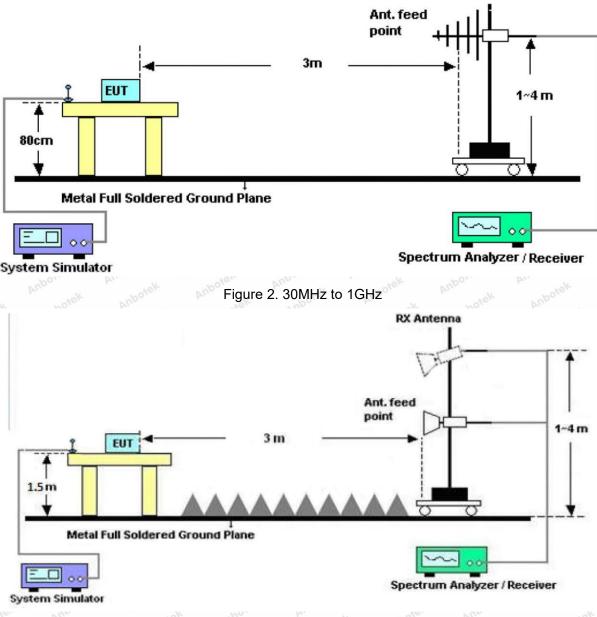
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#### Figure 3. Above 1 GHz

#### 4.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane. For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9\*6\*6 Chamber. The device is evaluated in xyz orientation.

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For the radiated emission test above 1GHz:

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.

For 9kHz to 150kHz, Set the spectrum analyzer as: RBW = 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as: RBW = 9KHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as: RBW = 100kHz, VBW =300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For above 1GHz,Set the spectrum analyzer as:

RBW =1MHz, VBW =1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple. For average measurement:

-VBW=10Hz, When duty cycle is no less than 98 percent

 $-VBW \ge 1/T$ , when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clause 5.4 duty cycle.

#### 4.4. Test Data

#### PASS

During the test, Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis is the worst case.

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

During the test, pre-scan all modes, only the worst case is recorded in the report.

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3

4

5

6

136.6993

168.7093

189.0743

215.6456

56.21

53.86

53.85

54.40

-21.18

-20.02

-18.82

-17.52

35.03

33.84

35.03

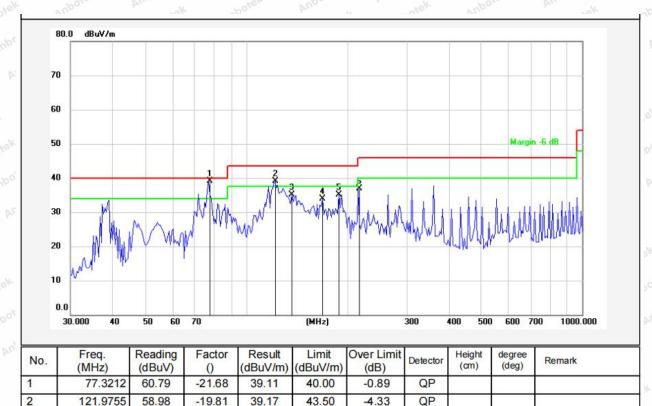
36.88

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#### Test Results (30~1000MHz)

Test Mode:	802.11n (HT20) CH01	
Temp.(℃)/Hum.(%RH):	23.5℃/48%RH	
Polarization:	Horizontal	

Power Source: AC 120V, 60Hz for Adapter



43.50

43.50

43.50

43.50

-8.47

-9.66

-8.47

-6.62

QP

QP

QP

QP

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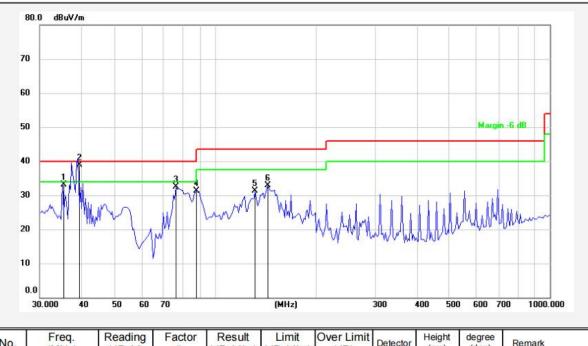


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#### Test Results (30~1000MHz)

Test Mode:	802.11n (HT20) CH01	
Temp.(℃)/Hum.(%RH):	23.5℃/48%RH	

- Polarization: Vertical
- Power Source: AC 120V, 60Hz for Adapter



No.	Freq. (MHz)	Reading (dBuV)	Factor ()	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	35.1278	51.21	-18.01	33.20	40.00	-6.80	QP			
2	39.0245	55.96	-17.08	38.88	40.00	-1.12	QP			
3	76.6463	54.22	-21.68	32.54	40.00	-7.46	QP	5	13	
4	88.1873	50.31	-18.93	31.38	43.50	-12.12	QP			
5	131.9889	52.20	-20.92	31.28	43.50	-12.22	QP			
6	144.0819	54.10	-21.26	32.84	43.50	-10.66	QP			

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# Test Results (Above 1000MHz)

Test Mode: 802.1	1n (HT20) Mod	Test channel: Lowest				
Peak value:				•		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	27.74	15.31	43.05	74.00	-30.95	Vertical
7236.00	28.60	18.06	46.66	74.00	-27.34	Vertical
9648.00	29.31	23.77	53.08	74.00	-20.92	Vertical
12060.00	sh *Aupo	at botek	Anbois	74.00	Anboten	Vertical
14472.00	botek * Anbo	a pa	rek Anbore	74.00	t spotek	Vertical
4824.00	28.37	15.31	43.68	74.00	-30.32	Horizontal
7236.00	27.57	18.06	45.63	74.00	-28.37	Horizontal
9648.00	27.48	23.77	51.25	74.00	-22.75	Horizontal
12060.00	Ar*	hotek	Anbore	74.00	nbotek	Horizontal
14472.00	K *Anboro	Am	upoter.	74.00	botek	Horizontal
Average value:	•					
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarizatior
4824.00	18.83	15.31	34.14	54.00	-19.86	Vertical
7236.00	19.47	18.06	37.53	54.00	-16.47	Vertical
9648.00	19.56	23.77	43.33	54.00	-10.67	Vertical
12060.00	* * woot	ak Aupor	Ann otel	54.00	Anos	Vertical
14472.00	*	otek Anbot	Aur	54.00	Anbor	Vertical
4824.00	18.92	15.31	34.23	54.00	-19.77	Horizontal
7236.00	18.15	18.06	36.21	54.00	-17.79	Horizontal
9648.00	18.45	23.77	42.22	54.00	-11.78	Horizontal
12060.00	* hotek	Anboren	Annek	54.00	Anborrak	Horizontal
14472.00	*	k abotek	AUDO	54.00	Anbore	Horizontal

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### Test Results (Above 1000MHz)

Test Mode: 802.1	1n (HT20) Mod	Test channel: I	Test channel: Middle			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarizatior
4874.00	29.11	15.41	44.52	74.00	-29.48	Vertical
7311.00	28.79	18.01	46.80	74.00	-27.20	Vertical
9748.00	29.63	23.79	53.42	74.00	-20.58	Vertical
12185.00	*Anv	ek nootek	Anbo	74.00	Anbote	Vertical
14622.00	potek * Anb	at no	tek Anbore	74.00	4 anbotek	Vertical
4874.00	29.36	15.41	44.77	74.00	-29.23	Horizontal
7311.00	30.14	18.01	48.15	74.00	-25.85	Horizontal
9748.00	30.92	23.79	54.71	74.00	-19.29	Horizontal
12185.00	An*	botek	Anbois	74.00	anboten I	Horizontal
14622.00	k *Aupo	k Lotek	Anboten	74.00	abotek	Horizontal
Average value:				•		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarizatio
4874.00	19.81	15.41	35.22	54.00	-18.78	Vertical
7311.00	18.69	18.01	36.70	54.00	-17.30	Vertical
9748.00	20.33	23.79	44.12	54.00	-9.88	Vertical
12185.00	stek * subot	Aup	k botek	54.00	Ann	Vertical
14622.00		otek Anbo	N NO	54.00	And	Vertical
4874.00	19.26	15.41	34.67	54.00	-19.33	Horizontal
7311.00	19.54	18.01	37.55	54.00	-16.45	Horizontal
9748.00	20.82	23.79	44.61	54.00	-9.39	Horizontal
12185.00	*nbotek	Anbo	hotek	54.00	Americk	Horizontal
14622.00	* ~ ~ ~	k Aupore	PL. PK	54.00	Anbo	Horizontal

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#### Test Results (Above 1000MHz)

Fest Mode: 802.1	Test channel: Highest					
Peak value:				1		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarizatior
4924.00	27.28	15.51	42.79	74.00	-31.21	Vertical
7386.00	28.32	17.97	46.29	74.00	-27.71	Vertical
9848.00	29.60	23.82	53.42	74.00	-20.58	Vertical
12310.00	* 200	ek abotek	Anboi	74.00	Anboten	Vertical
14772.00	potek * Anbc	~~ ~~ ~~	tek Anbore	74.00	r nbotek	Vertical
4924.00	26.56	15.51	42.07	74.00	-31.93	Horizontal
7386.00	27.44	17.97	45.41	74.00	-28.59	Horizontal
9848.00	27.37	23.82	51.19	74.00	-22.81	Horizontal
12310.00	Ar*	botek	Anbort	74.00	Anboten	Horizontal
14772.00	x *npor	k hotek	Anborer	74.00	abotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarizatior
4924.00	18.21	15.51	33.72	54.00	-20.28	Vertical
7386.00	19.24	17.97	37.21	54.00	-16.79	Vertical
9848.00	20.11	23.82	43.93	54.00	-10.07	Vertical
12310.00	stek * unbot	an Aupo	K botek	54.00	And	Vertical
14772.00	*	otek Anbor	Pur no	54.00	And	Vertical
4924.00	17.93	15.51	33.44	54.00	-20.56	Horizontal
7386.00	17.84	17.97	35.81	54.00	-18.19 ×**	Horizontal
9848.00	18.64	23.82	42.46	54.00	-11.54	Horizontal
12310.00	* nbotek	Aupon	hotek	54.00	Ann	Horizontal
14772.00	*	k anboro	Am	54.00	Aupo	Horizontal

#### Remark:

- 1. During the test, pre-scan the 802.11b,g,n(HT20) mode, and found the 802.11n (HT20) mode is worse case , the report only record this mode.
- 2. Result=Reading + Factor
- 3. "\*", means this data is the too weak instrument of signal is unable to test.

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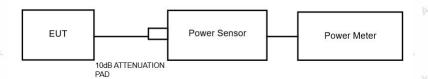
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# 5. Maximum Output Power Test

### 5.1. Test Standard and Limit

	Test Standard	FCC Part15 C Sec	tion 15.247 (b	o)(3)	Anbotek	Anboi	A' obotek
¥-	Test Limit	30dBm	Anbote,	And	Anbotek	Anbo,	A. nbote

### 5.2. Test Setup



### 5.3. Test Procedure

1. The Transmitter output (antenna port) was connected to the power meter.

2. Turn on the EUT and power meter and then record the power value.

3. Repeat above procedures on all channels needed to be tested.

Note: The cable loss and attenuator loss were offset into measure device as amplitude offset.

#### 5.4. Test Data

#### Pass

(For pre-scan, the result is less than the original, so the original data is referenced.)

Antenna	Channel	Result[dBm]	Linsit[dDma]	
60-			Limit[dBm]	Verdict
Matek.	2412	14.15	≤30	PASS
11B Ant1	2437	13.89	≤30	PASS
otek Anboi	2462	14.36	≤30	PASS
-botek An	2412	15.27	≤30	PASS
Ant1	2437	15.39	≤30	PASS
And	2462	15.67	≤30	PASS
Anbo	2412	15.29	≤30	PASS
Ant1	2437	15.43	≤30	PASS
stek Anbore	2462	15.52	≤30	PASS
	Ant1	2462           2412           Ant1         2437           2462           2462           2412           Ant1         2437	2462         14.36           2412         15.27           Ant1         2437         15.39           2462         15.67           2412         15.29           Ant1         2437         15.43	$2462$ $14.36$ $\leq 30$ $2412$ $15.27$ $\leq 30$ Ant1 $2437$ $15.39$ $\leq 30$ $2462$ $15.67$ $\leq 30$ $2412$ $15.29$ $\leq 30$ Ant1 $2437$ $15.43$ $\leq 30$

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# 6. Antenna Requirement

### 6.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203 /247(c)
Requirement	<ol> <li>1) 15.203 requirement:</li> <li>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.</li> <li>2) 15.247(c) (1)(i) requirement:</li> <li>Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed.</li> <li>Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.</li> </ol>

### 6.2. Antenna Connected Construction

The antenna is a FPC antenna which permanently attached, and the best case gain of the antenna is 1.5dBi It complies with the standard requirement.

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# **APPENDIX I -- TEST SETUP PHOTOGRAPH**

Please refer to separated files Appendix I -- Test Setup Photograph

# **APPENDIX II -- EXTERNAL PHOTOGRAPH**

Please refer to separated files Appendix II -- External Photograph

# **APPENDIX III -- INTERNAL PHOTOGRAPH**

Please refer to separated files Appendix III -- Internal Photograph

--- End of Report --

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