

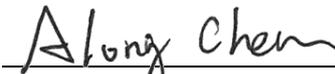
# FCC C2PC Test Report

**FCC ID** : MXF-W1701K  
**Equipment** : Tri-Band AP  
**Model No.** : W1701K  
**Brand Name** : Q Fiber  
**Applicant** : Gemtek Technology Co., Ltd.  
**Address** : No. 15-1 Zhonghua Road, Hsinchu Industrial  
Park, Hukou, Hsinchu, Taiwan, 30352.  
**Standard** : 47 CFR FCC Part 15.407  
**Equipment Class / Type** :  6ID: Indoor access point  
 6PP: Subordinate device  
 6XD: Client device  
**Received Date** : Jun. 27, 2023  
**Tested Date** : Jan. 04, 2024

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:

  
\_\_\_\_\_  
Along Chen / Assistant Manager

  
\_\_\_\_\_  
Gary Chang / Manager

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**Appendix A. Unwanted Emissions**

**Appendix B. AC Power Line Conducted Emissions**

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## Release Record

Report No.	Version	Description	Issued Date
FR362701-01AO	Rev. 01	Initial issue	Mar. 18, 2024

## Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.637MHz 36.76 (Margin -9.24dB) - AV	Pass
15.407(b)(5) 15.209	Unwanted Emission	[dBuV/m at 3m]: 39.70MHz 36.73 (Margin -3.27dB) - PK	Pass

### Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

### Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

# 1 General Description

## 1.1 Information

This report is issued as a Class II Permissive Change.

This report is issued as a supplementary report to original ICC report no. FR362701AO. The modification is the adding one Internal Power source. Therefore, all related test items had been tested and presented in the following sections.

### 1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N <sub>TX</sub> )	Data Rate / MCS
5925 ~ 7125	11a	5955 ~ 7115	1 ~ 233 [59]	4	6-54Mbps
5925 ~ 7125	ax (HE20)	5935 ~ 7115	1 ~ 233 [60]	4	MCS 0-11
5925 ~ 7125	ax (HE40)	5965 ~ 7085	3 ~ 227 [29]	4	MCS 0-11
5925 ~ 7125	ax (HE80)	5985 ~ 7025	7 ~ 215 [14]	4	MCS 0-11
5925 ~ 7125	ax (HE160)	6025 ~ 6985	15 ~ 207 [7]	4	MCS 0-11
5925 ~ 7125	be (EHT20)	5955 ~ 7115	1 ~ 233 [59]	4	MCS 0-13
5925 ~ 7125	be (EHT40)	5965 ~ 7085	3 ~ 227 [29]	4	MCS 0-13
5925 ~ 7125	be (EHT80)	5985 ~ 7025	7 ~ 215 [14]	4	MCS 0-13
5925 ~ 7125	be (EHT160)	6025 ~ 6985	15 ~ 207 [7]	4	MCS 0-13
5925 ~ 7125	be (EHT320)	6105 ~ 6905	31 ~ 191 [6]	4	MCS 0-13

Note 1: OFDM/OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM and 4096QAM modulation.

### 1.1.2 Antenna Details

Ant. No.	Brand	Model	Type	Connector	Operating Frequencies (MHz) / Gain (dBi)			
					5925~6425	6425~6525	6525~6875	6875~7125
1	Gemtek	WREM-129AX_6E_Ant1	PIFA	UFL	1.39	1.29	2.84	1.02
2	Gemtek	WREM-129AX_6E_Ant2	PIFA	UFL	4.01	1.25	2.29	2.91
3	Gemtek	WREM-129AX_6E_Ant3	PIFA	UFL	1.03	1.22	1.35	3.03
4	Gemtek	WREM-129AX_6E_Ant4	PIFA	UFL	1.08	1.09	1.68	1.06
5	Gemtek	WREM-129AX_6E_Ant5	PIFA	UFL	4.41	4.49	4.57	4.6

### 1.1.3 Power Supply Type of Equipment under Test (EUT)

<b>Power Supply Type</b>	12Vdc from Internal Power source
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### 1.1.4 Accessories (Adding Internal Power source was marked in boldface.)

Accessories		
No.	Equipment	Description
1	Internal Power source	Brand: LUCENT TRANS ELECTRONICS CO., LTD. Model: 1A106-US1240 I/P: 100-120Vac, 50/60Hz, 1.4A max O/P: 12V=4.0A, 48.0W
2	Internal Power source	Brand: LEADER ELECTRONICS INC. Model: SL42-1120350-3C I/P: 100-120Vac, 50-60Hz, 1.5A O/P: 12V=3.5A
3	<b>Internal Power source</b>	<b>Brand: Hunan Frecom electronics Co.,Ltd</b> <b>Model: FC042X02-120035</b> <b>I/P: 100-120Vac, 50/60Hz, 1.2A</b> <b>O/P: 12V=3.5A</b>
4	Fan	Brand: SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO LTD Model: EG75070S1-C395-S99
5	Fan	Brand: Yingfan Model: NB801005HHT4B10001

### 1.1.5 Channel List

802.11a / ax HE20 / be EHT20							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
2	5935	57	6235	117	6535	177	6835
1	5955	61	6255	121	6555	181	6855
5	5975	65	6275	125	6575	185	6875
9	5995	69	6295	129	6595	189	6895
13	6015	73	6315	133	6615	193	6915
17	6035	77	6335	137	6635	197	6935
21	6055	81	6355	141	6655	201	6955
25	6075	85	6375	145	6675	205	6975
29	6095	89	6395	149	6695	209	6995
33	6115	93	6415	153	6715	213	7015
37	6135	97	6435	157	6735	217	7035
41	6155	101	6455	161	6755	221	7055
45	6175	105	6475	165	6775	225	7075
49	6195	109	6495	169	6795	229	7095
53	6215	113	6515	173	6815	233	7115

802.11ax HE40 / be EHT40							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	5965	67	6285	131	6605	195	6925
11	6005	75	6325	139	6645	203	6965
19	6045	83	6365	147	6685	211	7005
27	6085	91	6405	155	6725	219	7045
35	6125	99	6445	163	6765	227	7085
43	6165	107	6485	171	6805	---	---
51	6205	115	6525	179	6845	---	---
59	6245	123	6565	187	6885	---	---

802.11ax HE80 / be EHT80							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
7	5985	71	6305	135	6625	199	6945
23	6065	87	6385	151	6705	215	7025
39	6145	103	6465	167	6785	---	---
55	6225	119	6545	183	6865	---	---

802.11ax HE160 / be EHT160							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
15	6025	79	6345	143	6665	207	6985
47	6185	111	6505	175	6825	---	---

802.11 be EHT320							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	---	---
31	6105	95	6425	159	6745	---	---
63	6265	127	6585	191	6905	---	---

### 1.1.6 Test Tool and Duty Cycle

<b>Test Tool</b>	QATool, Version: 0.0.2.99		
<b>Duty Cycle and Duty Factor</b>	<b>Mode</b>	<b>Duty Cycle (%)</b>	<b>Duty Factor (dB)</b>
	be EHT320-OFDMA	84.98%	0.71

### 1.1.7 Power Index of Test Tool

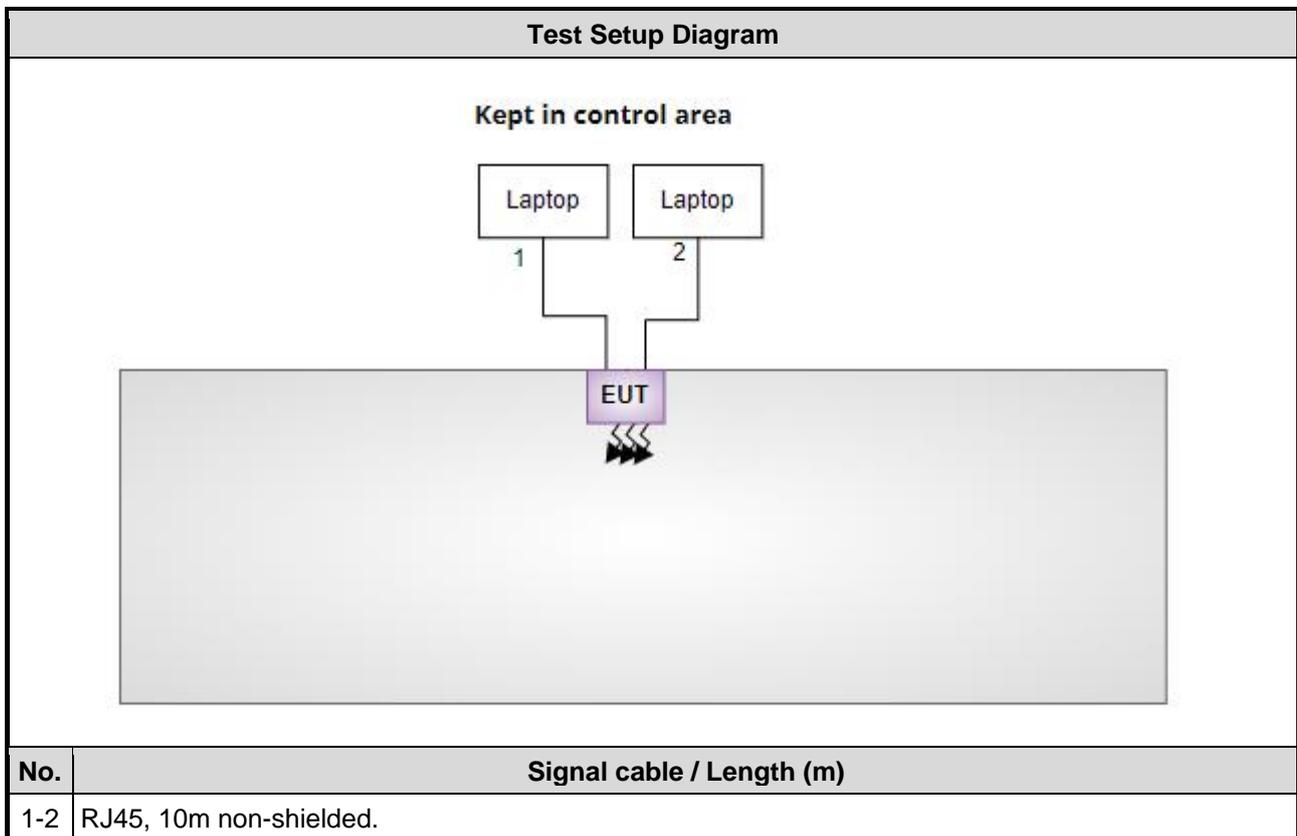
<b>Modulation Mode</b>	<b>Test Frequency (MHz)</b>	<b>Power Index</b>
be EHT320-OFDMA	6105	19
be EHT320-OFDMA	6905	18

## 1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Latitude 5400	DoC	---
2	Laptop	DELL	Latitude E5470	DoC	---
3	Fixture	---	---	---	---
4	Laptop	DELL	Latitude E5470	---	---

Note: The fixture and laptop are disconnected from EUT and removed from test table when EUT is set to transmit continuously.

## 1.3 Test Setup Chart



## 1.4 The Equipment List

<b>Test Item</b>	Conducted Emission				
<b>Test Site</b>	Conduction room 1 / (CO01-WS)				
<b>Tested Date</b>	Jan. 04, 2024				
<b>Instrument</b>	<b>Brand</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Calibration Date</b>	<b>Calibration Until</b>
Receiver	R&S	ESR3	101658	Feb. 17, 2023	Feb. 16, 2024
LISN	R&S	ENV216	101579	May 09, 2023	May 08, 2024
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 11, 2023	Oct. 10, 2024
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Feb. 24, 2023	Feb. 23, 2024
50 ohm terminal (Support Unit)	NA	50	01	Jun. 14, 2023	Jun. 13, 2024
Measurement Software	AUDIX	e3	6.120210k	NA	NA

Note: Calibration Interval of instruments listed above is one year.

<b>Test Item</b>	Radiated Emission				
<b>Test Site</b>	966 chamber1 / (03CH01-WS)				
<b>Tested Date</b>	Jan. 04, 2024				
<b>Instrument</b>	<b>Brand</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Calibration Date</b>	<b>Calibration Until</b>
Receiver	R&S	ESR3	101657	Mar. 03, 2023	Mar. 02, 2024
Spectrum Analyzer	R&S	FSV40	101498	Nov. 23, 2023	Nov. 22, 2024
Loop Antenna	R&S	HFH2-Z2	100330	Oct. 31, 2023	Oct. 30, 2024
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jul. 31, 2023	Jul. 30, 2024
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 27, 2023	Nov. 26, 2024
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 30, 2023	Oct. 29, 2024
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2023	Jun. 27, 2024
Preamplifier	EMC	EMC118A45SE	980898	Jul. 14, 2023	Jul. 13, 2024
Preamplifier	EMC	EMC184045SE	980903	Jul. 17, 2023	Jul. 16, 2024
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 03, 2023	Oct. 02, 2024
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 03, 2023	Oct. 02, 2024
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 03, 2023	Oct. 02, 2024
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 03, 2023	Oct. 02, 2024
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 03, 2023	Oct. 02, 2024
RF Cable	EMC	EMC104-35M-35M-3000	210922	Oct. 03, 2023	Oct. 02, 2024
Attenuator	Pasternack	PE7005-10	10-1	Oct. 05, 2023	Oct. 04, 2024
HIGHPASS FILTER 7.5-18G	STI	STI15-9722	STI-HP7.5G-A	Oct. 05, 2023	Oct. 04, 2024
Measurement Software	AUDIX	e3	6.120210g	NA	NA

Note: Calibration Interval of instruments listed above is one year.

## 1.5 Test Standards

47 CFR FCC Part 15.407

ANSI C63.10-2013

## 1.6 Reference Guidance

FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01r01

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

## 1.7 Deviation from Test Standard and Measurement Procedure

None

## 1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ( $k=2$ )).

Measurement Uncertainty	
Parameters	Uncertainty
AC conducted emission	$\pm 2.92$ dB
Radiated emission $\leq 1$ GHz	$\pm 3.41$ dB
Radiated emission $> 1$ GHz	$\pm 4.59$ dB

## 2 Test Configuration

### 2.1 Testing Facility

<b>Test Laboratory</b>	International Certification Corp.
<b>Test Site</b>	CO01-WS, 03CH01-WS
<b>Address of Test Site</b>	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 33381, Taiwan, R.O.C.

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

### 2.2 Test Worst Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
AC Power Line Conducted Emissions	be EHT320-OFDMA	6105	MCS 0	---
Unwanted Emissions ≤1GHz	be EHT320-OFDMA	6105	MCS 0	---
Unwanted Emissions >1GHz	be EHT320-OFDMA	6905	MCS 0	---

**NOTE:**

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** results were found as the worst case and were shown in this report.
2. Two Fan (SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO LTD and Yingfan) had been covered during the pretest, and found that **SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO LTD** was the worst case and was selected for final test.

### 3 Transmitter Test Results

#### 3.1 Unwanted Emissions

##### 3.1.1 Limit of Unwanted Emissions

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

**Note 1:**  
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

**Note 2:**  
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

Un-restricted band emissions above 1GHz Limit		
Operating Band	PK Limit	AV Limit
5.925 – 7.125 GHz	e.i.r.p. -7 dBm [88.2 dBuV/m@3m]	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

### 3.1.2 Test Procedures

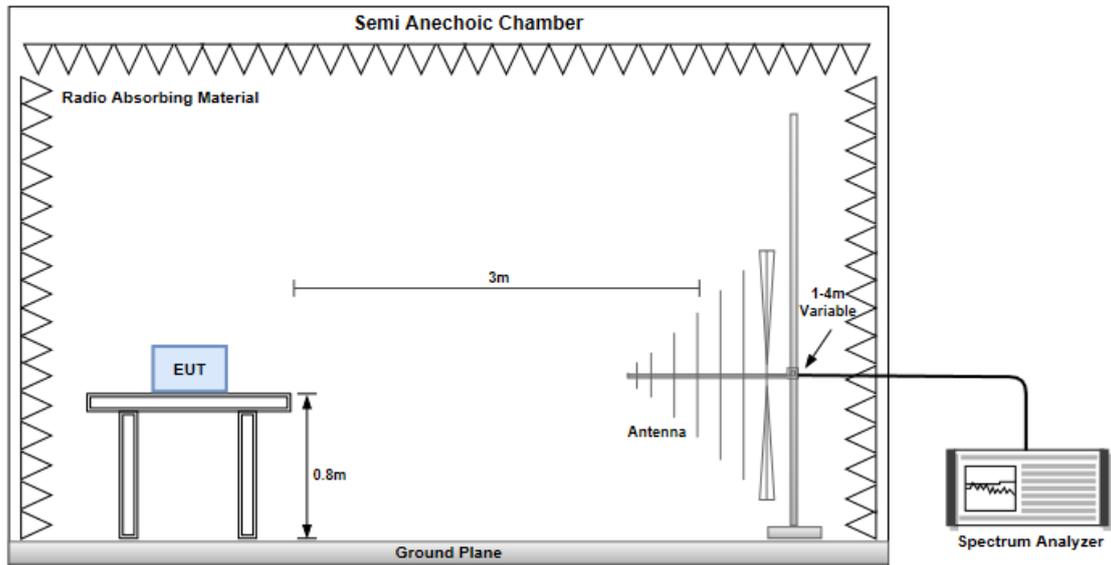
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

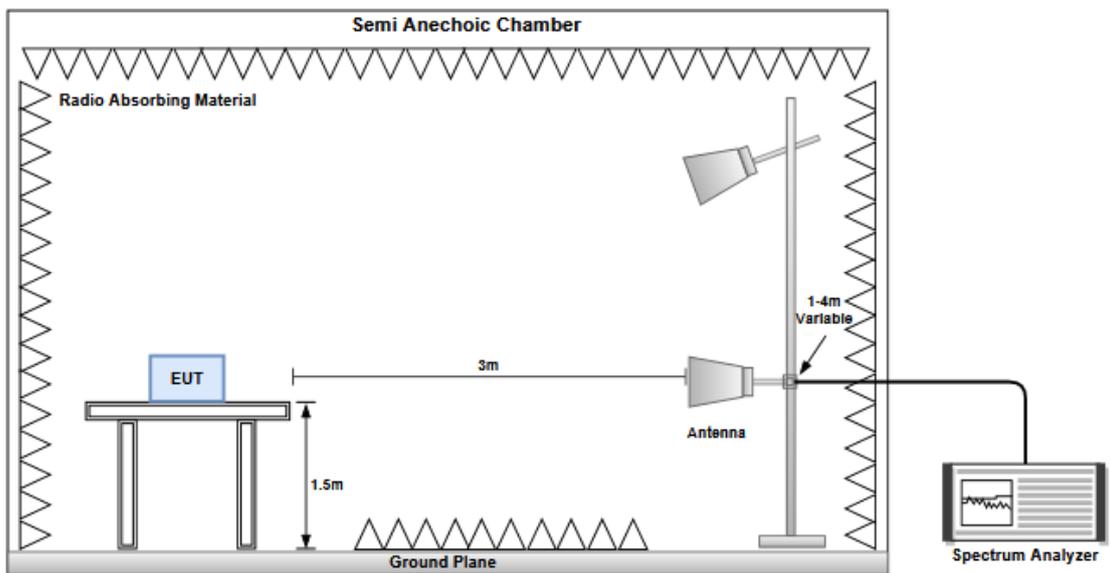
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

### 3.1.3 Test Setup

#### Radiated Emissions below 1 GHz



#### Radiated Emissions above 1 GHz



### 3.1.4 Test Results

Refer to Appendix A.

## 3.2 AC Power Line Conducted Emissions

### 3.2.1 Limit of AC Power Line Conducted Emissions

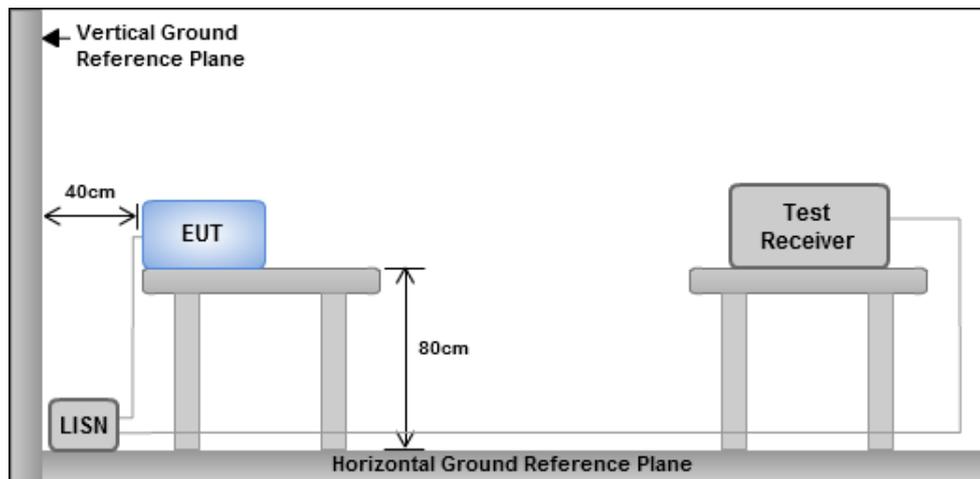
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: \* Decreases with the logarithm of the frequency.

### 3.2.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50  $\Omega$  LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

### 3.2.3 Test Setup



- Note: 1. Support units were connected to second LISN.  
2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

### 3.2.4 Test Result

Refer to Appendix B.

## 4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

### **Linkou**

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou  
District, New Taipei City, Taiwan  
(R.O.C.)

### **Kwei Shan**

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd  
St., Kwei Shan Dist., Tao Yuan  
City 33381, Taiwan (R.O.C.)  
No.2-1, Lane 6, Wen San 3rd  
St., Kwei Shan Dist., Tao Yuan  
City 33381, Taiwan (R.O.C.)

### **Kwei Shan Site II**

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd  
St., Kwei Shan Dist., Tao Yuan  
City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC\_Service@icertifi.com.tw

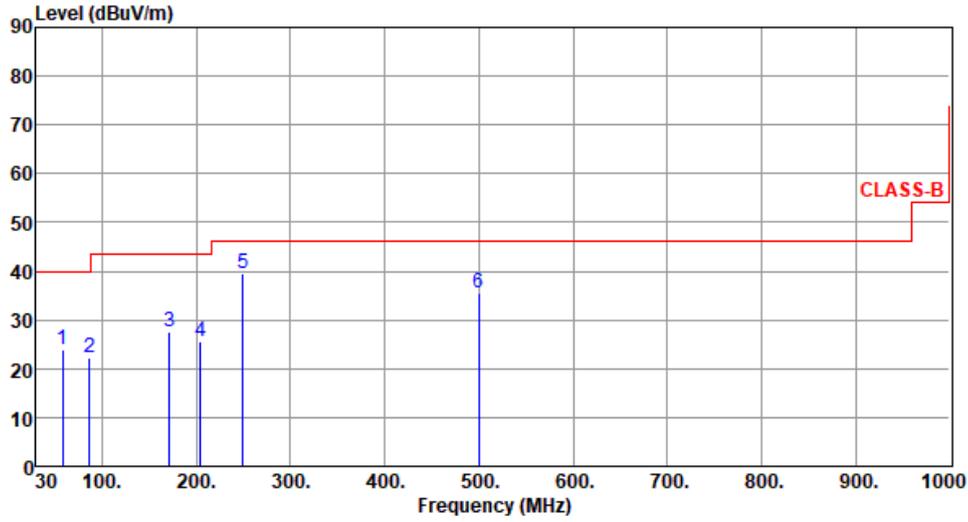
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Unwanted Emissions (Below 1GHz)

Modulation	be EHT320-OFDMA	Test Freq. (MHz)	6105
Polarization	Horizontal		

Test By :Paul Lin      Temperature(°C):22      Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	58.13	24.02	40.00	-15.98	32.66	-8.64	Peak	---	---
2	86.26	22.18	40.00	-17.82	36.80	-14.62	Peak	---	---
3	171.62	27.73	43.50	-15.77	37.08	-9.35	Peak	---	---
4	204.60	25.49	43.50	-18.01	37.38	-11.89	Peak	---	---
5	249.22	39.54	46.00	-6.46	49.51	-9.97	Peak	---	---
6	499.48	35.64	46.00	-10.36	38.72	-3.08	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

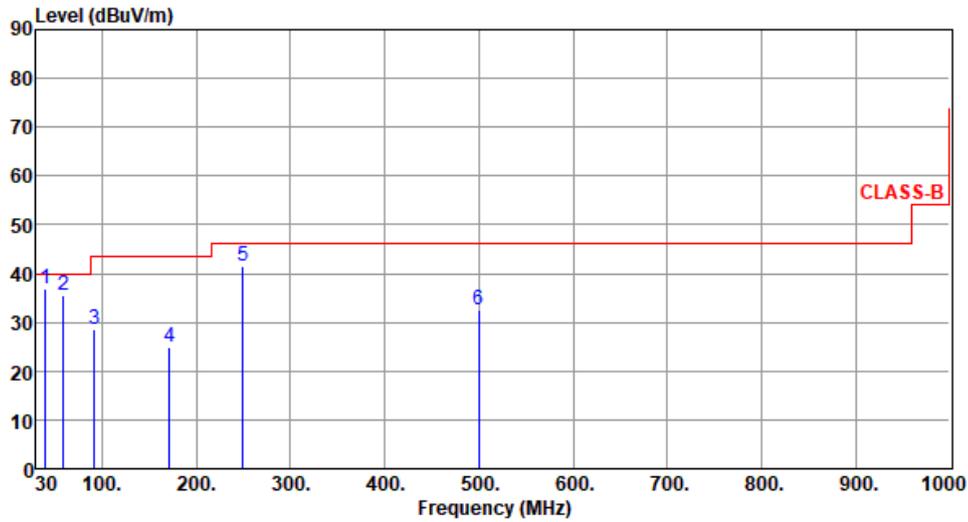
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



<b>Modulation</b>	be EHT320-OFDMA	<b>Test Freq. (MHz)</b>	6105
<b>Polarization</b>	Vertical		

Test By :Paul Lin      Temperature(°C):22      Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	39.70	36.73	40.00	-3.27	45.60	-8.87	Peak	---	---
2	59.10	35.61	40.00	-4.39	44.33	-8.72	Peak	---	---
3	92.08	28.56	43.50	-14.94	42.87	-14.31	Peak	---	---
4	171.62	25.04	43.50	-18.46	34.39	-9.35	Peak	---	---
5	249.22	41.51	46.00	-4.49	51.48	-9.97	Peak	---	---
6	499.48	32.70	46.00	-13.30	35.78	-3.08	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



Unwanted Emissions (Above 1GHz)

Modulation	be EHT320-OFDMA	Test Freq. (MHz)	6905						
Polarization	Horizontal								
<p>Test By :Paul Lin      Temperature(°C):22      Humidity(%):64</p>									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	7125.00	60.03	68.20	-8.17	55.17	4.86	Average	230	314
2	7125.00	72.21	88.20	-15.99	67.35	4.86	Peak	230	314
3	13810.00	45.68	68.20	-22.52	39.45	6.23	Average	100	104
4	13810.00	55.63	88.20	-32.57	49.40	6.23	Peak	100	104
5	20715.00	40.86	54.00	-13.14	37.57	3.29	Average	100	128
6	20715.00	52.32	74.00	-21.68	49.03	3.29	Peak	100	128

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

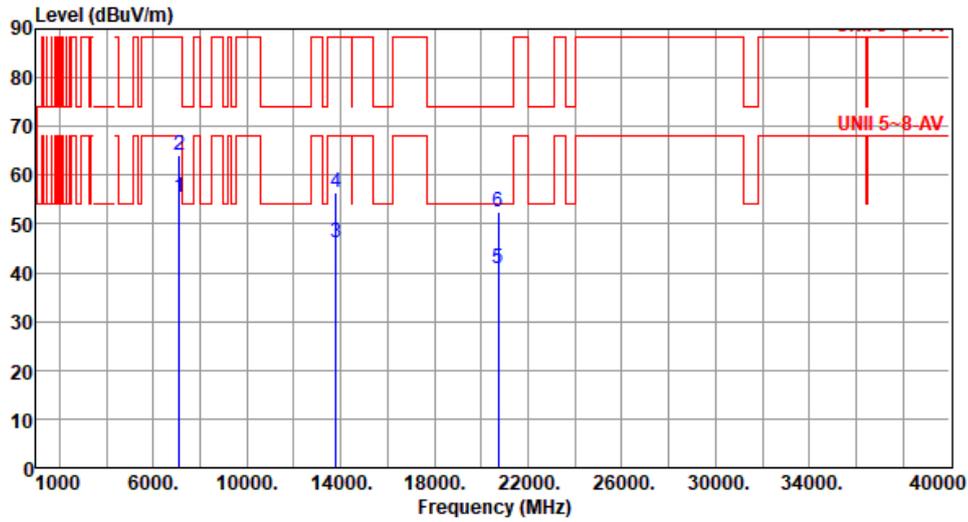
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	be EHT320-OFDMA	Test Freq. (MHz)	6905
Polarization	Vertical		

Test By : Paul Lin      Temperature(°C): 22      Humidity(%): 64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	7125.00	55.56	68.20	-12.64	50.70	4.86	Average	343	342
2	7125.00	64.04	88.20	-24.16	59.18	4.86	Peak	343	342
3	13810.00	46.10	68.20	-22.10	39.87	6.23	Average	100	78
4	13810.00	56.38	88.20	-31.82	50.15	6.23	Peak	100	78
5	20715.00	40.97	54.00	-13.03	37.68	3.29	Average	100	38
6	20715.00	52.44	74.00	-21.56	49.15	3.29	Peak	100	38

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

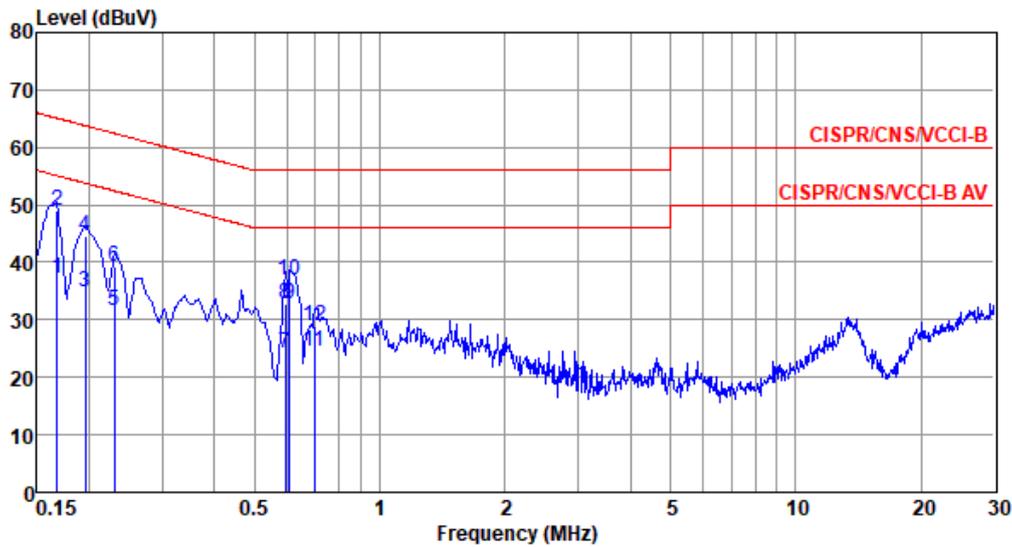
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation Mode	be EHT320-OFDMA	Test Freq. (MHz)	6105
Power Phase	Line		

Test by : Joe Liao      Temperature: 22°C      Humidity: 65%



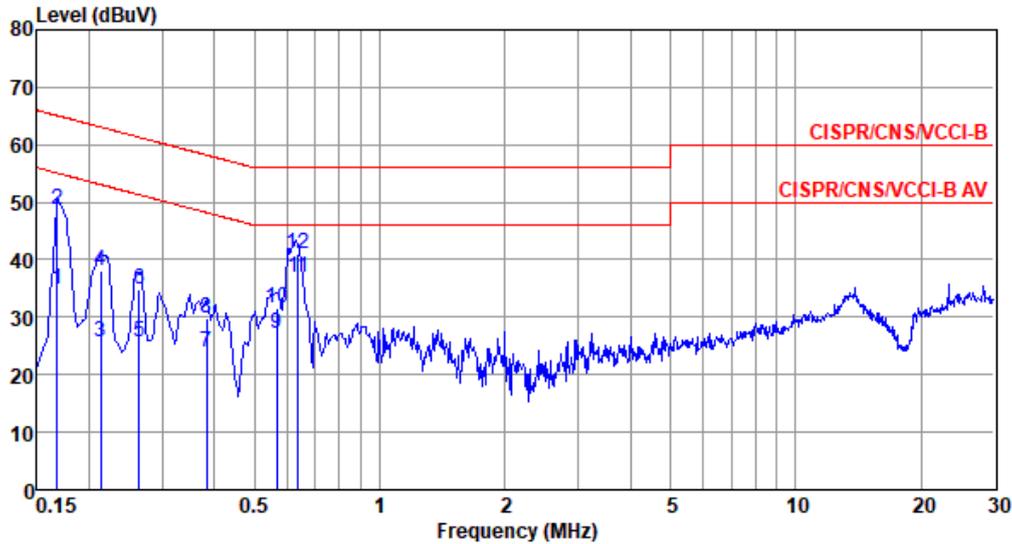
	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.168	37.09	55.08	-17.99	27.17	9.63	0.07	0.22	Average
2	0.168	48.88	65.08	-16.20	38.96	9.63	0.07	0.22	QP
3	0.195	34.96	53.80	-18.84	25.03	9.62	0.06	0.25	Average
4	0.195	44.59	63.80	-19.21	34.66	9.62	0.06	0.25	QP
5	0.230	31.67	52.44	-20.77	21.72	9.62	0.06	0.27	Average
6	0.230	39.34	62.44	-23.10	29.39	9.62	0.06	0.27	QP
7	0.592	24.21	46.00	-21.79	14.17	9.62	0.08	0.34	Average
8	0.592	32.85	56.00	-23.15	22.81	9.62	0.08	0.34	QP
9*	0.608	32.75	46.00	-13.25	22.71	9.62	0.08	0.34	Average
10	0.608	36.91	56.00	-19.09	26.87	9.62	0.08	0.34	QP
11	0.697	24.57	46.00	-21.43	14.50	9.63	0.09	0.35	Average
12	0.697	28.80	56.00	-27.20	18.73	9.63	0.09	0.35	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).  
 2: Over Limit (dB) = Level (dBUV) - Limit Line (dBUV).



Modulation Mode	be EHT320-OFDMA	Test Freq. (MHz)	6105
Power Phase	Neutral		

Test by : Joe Liao      Temperature: 22°C      Humidity: 65%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.168	34.72	55.08	-20.36	24.88	9.63	0.07	0.14	Average
2	0.168	48.57	65.08	-16.51	38.73	9.63	0.07	0.14	QP
3	0.213	25.65	53.10	-27.45	15.78	9.63	0.06	0.18	Average
4	0.213	38.00	63.10	-25.10	28.13	9.63	0.06	0.18	QP
5	0.264	25.55	51.29	-25.74	15.65	9.63	0.07	0.20	Average
6	0.264	34.78	61.29	-26.51	24.88	9.63	0.07	0.20	QP
7	0.383	23.93	48.21	-24.28	13.99	9.62	0.08	0.24	Average
8	0.383	29.70	58.21	-28.51	19.76	9.62	0.08	0.24	QP
9	0.564	27.17	46.00	-18.83	17.20	9.62	0.08	0.27	Average
10	0.564	31.58	56.00	-24.42	21.61	9.62	0.08	0.27	QP
11*	0.637	36.76	46.00	-9.24	26.76	9.63	0.09	0.28	Average
12	0.637	41.13	56.00	-14.87	31.13	9.63	0.09	0.28	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).  
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).