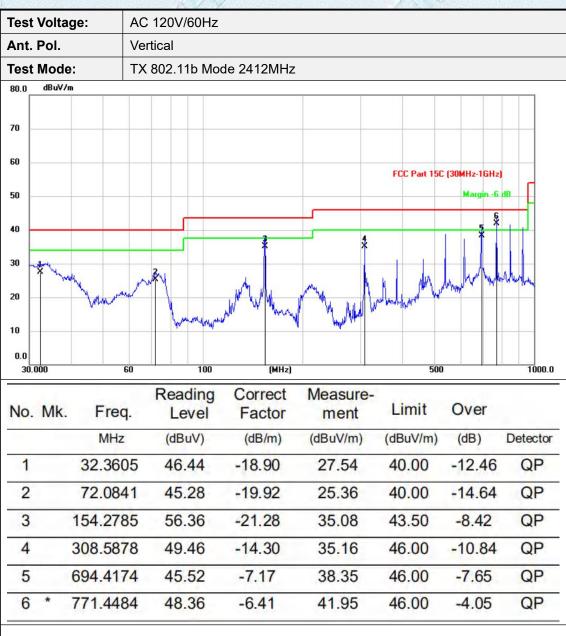
Page 56 of 76





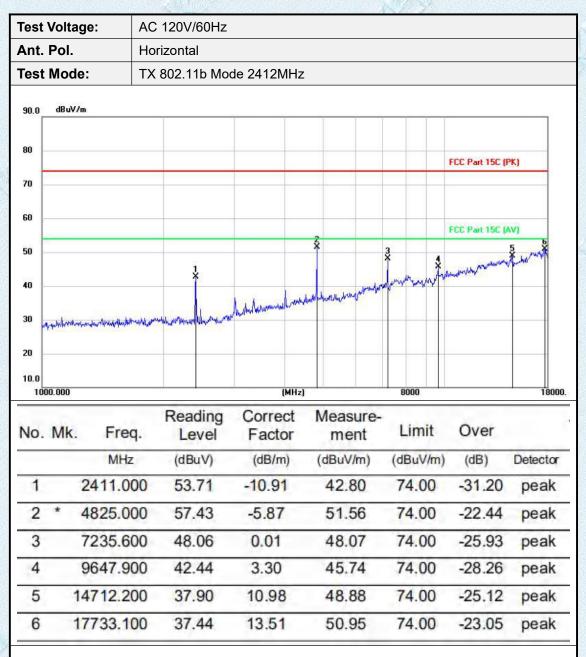
Measurement = Reading Level+ Correct Factor

#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



### Adobe 1GHz

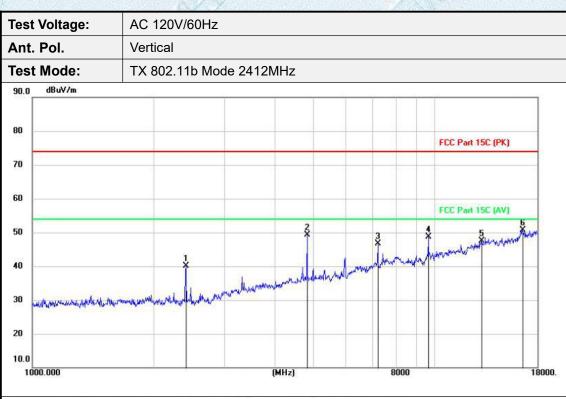


Measurement = Reading level + Correct Factor

#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2411.000	50.94	-10.91	40.03	74.00	-33.97	peak
2		4823.300	55.22	-5.87	49.35	74.00	-24.65	peak
3		7235.600	46.64	0.01	46.65	74.00	-27.35	peak
4		9647.900	45.48	3.30	48.78	74.00	-25.22	peak
5	1	13068.300	37.53	10.01	47.54	74.00	-26.46	peak
6	* 1	16539.700	36.86	13.75	50.61	74.00	-23.39	peak

Measurement = Reading level + Correct Factor

#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



est V	t Voltage: AC 120V/60Hz										
Ant. Pol. Horizontal											
Test N	Mode:		TX 8	302.11b Mo	de 2437	MHz					
90.0	dBu¥/m									1	
80										FCC Part 15C (	PK)
70											
60										FCC Part 15C (	AV)
50							2×	K		A month	Volume Aunt
								No Laker	partition with	pro-	
40 -					1	-	and and a fear the gall	Call of Call			
40 30	hand	variant	hutanan	morenewskippennysk	mondelinter	ether and the second	and a second				
40 30 20	hard	ykholyssond	hahanan	instrumenting and	mondelander	Augure -	and the second				
30 <mark></mark>	.000	weeks weeks	hahanna	isstrenadisserved	mondelander		and a second		8000		180
30		Fre	_	Reading	Corr	(MHz) ect	Measu	re-		Over	
30	0.000		q.	Reading	Corr	(MHz) ect	Measu	re- t	8000	Over	
30	 Mk.	Fre	q. z	Reading Level	Corr Fac	(MHz) ect tor (m)	Measu	re- t	8000 Limit	Over	Detecto
30	0.000 Mk. 3	Fre MH	q. z	Reading Level (dBuV)	Corr Fac (dB/	(MHz) ect tor (m)	Measu men (dBuV/m	re- t n)	8000 Limit (dBuV/m	Over ) (dB)	Detecto
30	 Mk. 3	Fre мн. 675.8	q. z 300	Reading Level (dBuV) 44.05	Corr Fac (dB/ -9.2	<u>(мн</u> <sub>z)</sub> ect tor /m) 4	Measu men (dBuV/m 34.81	re- t n) 1	8000 Limit (dBuV/m 74.00	Over ) (dB) -39.19	Detecto peak
30	0.000 Mk. 3 4 7	Fre МН 8675.8	q. z 600 600 700	Reading Level (dBuV) 44.05 52.15	Corr Fac (dB/ -9.2 -5.7	(мн <sub>z)</sub> ect tor /m) 4 5 8	Measu men (dBuV/m 34.81 46.40	re- t n) 1 )	8000 Limit (dBuV/m 74.00 74.00	Over ) (dB) -39.19 -27.60	Detector peak peak
30	0.000 Mk. 3 4 7 10	Fre МН 8675.8 867.5 7325.7	q. z 300 500 700 300	Reading Level (dBuV) 44.05 52.15 45.92	Corr Fac (dB/ -9.2 -5.7 0.2	<u>(МН2)</u> ect tor /m) 4 5 8 8	Measu men (dBuV/m 34.81 46.40 46.20	re- t n) 1 ) )	8000 Limit (dBuV/m 74.00 74.00 74.00	Over ) (dB) -39.19 -27.60 -27.80	Detector peak peak peak

Measurement = Reading level + Correct Factor

#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



Test	Volta	age:	AC 120V/60Hz								
Ant.	Pol.		Vertical								
Test Mode:			TX 802.11b Mode 2437MHz								
90.0	dBu¥	//m		1							
80							_	FCC Part 15C (P	K)		
70											
60							_	FCC Part 15C (A	vi		
50						2	3 <b>4</b>	www.mathinty	manna		
40	10 wetweet he have				1	And with we get and and and and and	manuppent	HILIN VILLEN			
I											
30	want	half provided many with	and belief the	an and the standard	renter and the second						
30 20	www.	schillere Albertan	and been	episonen har prophet	restertener and freed designed and						
20 10.0	wy/ww/~d	hehilline Addamen of M	and before	episonen den provident	(MHz)		8000		18000.		
20 10.0 100				Reading		Measure- ment	8000 Limit	Over	18000.		
20 10.0 100	00.000		4.	Reading	(MHz) Correct	Measure-	0110201900	Over (dB)	18000. Detector		
20 10.0 100	00.000	. Frec	1.	Reading Level	(MHz) Correct Factor	Measure- ment	Limit				
20 10.0 100 No.	00.000	. Frec MHz	ą. 00	Reading Level (dBuV)	(MHz) Correct Factor (dB/m)	Measure- ment (dBuV/m)	Limit (dBuV/m)	(dB)	Detector		
<sup>20</sup> 10.0 100 No.	00.000	. Frec MHz 3721.7(	1. DO	Reading Level (dBuV) 46.09	(MHz) Correct Factor (dB/m) -9.12	Measure- ment (dBuV/m) 36.97	Limit (dBuV/m) 74.00	(dB) -37.03	Detector peak		
<sup>20</sup> 10.0 10 No.	00.000	. Frec MHz 3721.70 4862.40	1. 00 00	Reading Level (dBuV) 46.09 50.47	(MHz) Correct Factor (dB/m) -9.12 -5.77	Measure- ment (dBuV/m) 36.97 44.70	Limit (dBuV/m) 74.00 74.00	(dB) -37.03 -29.30	Detector peak peak		
<sup>20</sup> 10.0 100 100 100 100 100 100 100 100 10	00.000 Mk	. Free MHz 3721.70 4862.40 7327.40	1. 00 00 00	Reading Level (dBuV) 46.09 50.47 46.04	(dB/m) -9.12 -5.77 0.29	Measure- ment (dBuV/m) 36.97 44.70 46.33	Limit (dBuV/m) 74.00 74.00 74.00	(dB) -37.03 -29.30 -27.67	Detector peak peak peak		

Measurement = Reading level + Correct Factor

### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China

Page 61 of 76



Test	Voltage:		: 120V/60	Hz					
	it. Pol. Horizontal								
	Mode:			Mode 2462N	1				
90.0	dBuV/m		. 002.110		/ ПZ				
50.0									
80									
			_					FCC Part 15C (F	РК]
70			_						
60			_						
					2		3	FCC Part 15C (A	c
50 -						3	******	and when the second	mouthent
40			_				when have a start	and the second second	
					in the	you have the			
			1	he method and	lentriquent	10000			
30 /4	when whether the	entersections	and was an and the	and the contraction and	learnaut				
30	whenever	ennennenderne	merine when the West	how of the second second	haran				
20	when not set when the set of the	enwandery.	nsetranon stractive book	hudrafian alkan dan	dentiquite				
20 10.0		ennen venderger	and the second state of th		(MHz)		8000		18000.
20 10.0 100	0.000		Readi	ng Corre	(MHz)	Measure	8000		18000.
20 10.0 100		Freq.		ng Corre	(MHz) ect l		8000	Over	18000.
20 10.0 100	0.000		Readi	ng Corre el Fact	(MHz) ect l	Measure	8000		18000. Detector
20 10.0 100	. Mk.	Freq.	Readin	ng Corre el Fact /) (dB/r	(MHz) ect I or n)	Measure ment	8000 - Limit		
20 10.0 1000	. Mk. 24	Freq. MHz	Readin Leve (dBuV	ng Corre el Fact /) (dB/r 5 -10.8	(MHz) ect I for n)	Measure ment (dBuV/m)	8000 Limit (dBuV/m)	) (dB)	Detector
20 10.0 1000 NO.	. Mk. 24	Freq. MHz 62.000	Readin Leve (dBuV 43.25	ng Corre el Fact /) (dB/r 5 -10.8 3 -5.60	(MHz) ect I for n) 9	Measure ment (dBuV/m) 32.36	8000 Limit (dBuV/m) 74.00	) (dB) -41.64	Detector peak
20 10.0 1000 No. 1 2	0.000 . Mk. 24 49 73	Freq. MHz 62.000 23.600	Readin Leve (dBuV 43.25 56.13	ng Corre el Fact /) (dB/r 5 -10.8 3 -5.60 7 0.47	(MHz) ect I cor n) 9 29	Measure ment (dBuV/m) 32.36 50.53	8000 Limit (dBuV/m) 74.00 74.00	) (dB) -41.64 -23.47	Detector peak peak
20 10.0 1000 No. 1 1 2 3	0.000 . Mk. 24 49 73 98	Freq. MHz 62.000 23.600 85.200	Readin Leve (dBuV 43.25 56.13 50.07	ng Corre el Fact 7) (dB/r 5 -10.8 3 -5.60 7 0.47 9 3.74	(MHz) ect I for n) 9 2 2	Measure ment (dBuV/m) 32.36 50.53 50.54	8000 Limit (dBuV/m) 74.00 74.00 74.00	) (dB) -41.64 -23.47 -23.46	Detector peak peak peak

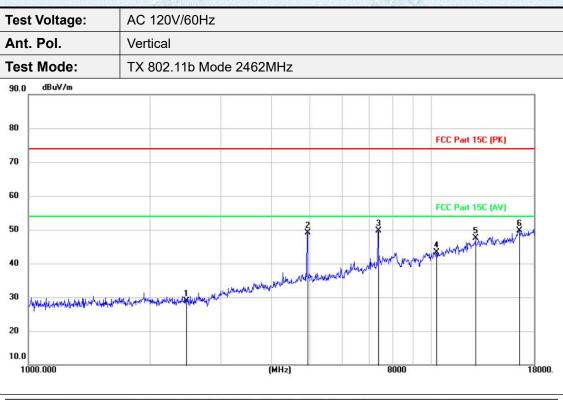
Measurement = Reading level + Correct Factor

#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China

Page 62 of 76





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		2461.000	39.89	-10.89	29.00	74.00	-45.00	peak
2		4923.600	54.67	-5.60	49.07	74.00	-24.93	peak
3		7385.200	49.22	0.47	49.69	74.00	-24.31	peak
4		10287.100	38.82	4.56	43.38	74.00	-30.62	peak
5	1	12908.500	37.74	9.76	47.50	74.00	-26.50	peak
6	*	16515.900	35.94	13.79	49.73	74.00	-24.27	peak

Measurement = Reading level + Correct Factor

#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



## 3.8. CONDUCTED EMISSION

#### Limit

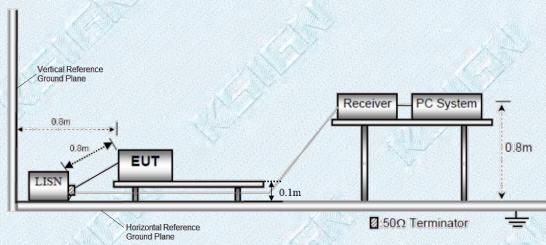
#### **Conducted Emission Test Limit**

Frequency	Maximum RF Line Voltage (dBµV)				
Frequency	Quasi-peak Level	Average Level			
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

Notes:

- (1) \*Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

#### **Test Configuration**



#### **Test Procedure**

- 1. The EUT was setup according to ANSI C63.10:2013 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 0.1m above the conducting ground plane. The vertical conducting plane was located 80 cm to the rear of the EUT. All other surfaces of EUT were at least 0.8m from any other grounded conducting surface.
- The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 4. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 5. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 6. Conducted Emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 7. During the above scans, the emissions were maximized by cable manipulation.

#### Test Mode:

Please refer to the clause 2.2.

#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



#### Test Results

Pre-scan 802.11b/g/n(HT20,HT40) modulation, and found the 802.11b modulation 2412MHz which it is worse case, so only show the test data for worse case.

	270222007000		or worse cas	e.					
Test Volt	-	AC 120V/60Hz							
Termina	l:	Line							
Test Mod	de:	Charging+2412MHz							
80.0 dBp	w						1		
70									
60						1	FCC Part 15 C (Q	P)	
50			5				CC Part 15 C (AV	6)	
40	M	m	M S WYMARMATY	Mahan Muran Manundaran	- Ward and a	warmer and X	Mumumerson	M	
30	A WW	MM	NT MUMALIMAN	www.htm.	Mall Marrison Barrowson Any	Warney Low Sta	ingenter marker ablight	V J	
20	NAM A	N						peak	
10								AVG	
0.0 0.150				(MHz)				30.000	
No. M	k. Fr	eq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	M	Ηz	dBpW	dB	dBpW	dBpW	dB	Detector	
1	0.1	1660	27.72	10.72	38.44	65.16	-26.72	QP	
2	0.1	1660	18.58	10.72	29.30	55.16	-25.86	AVG	
3	0.5	5140	29.52	10.39	39.91	56.00	-16.09	QP	
4	0.5	5140	13. <mark>1</mark> 1	10.39	23.50	46.00	-22.50	AVG	
5 *	0.6	6340	34.41	10.47	44.88	56.00	-11.12	QP	
6	0.6	6340	22.54	10.47	33.01	46.00	-12.99	AVG	
7	1.6	6660	28.27	10.48	38.75	56.00	-17.25	QP	
8	1.6	6660	16.52	10.48	27.00	46.00	-19.00	AVG	
9	3.3	3220	26.42	10.62	37.04	56.00	-18.96	QP	
10	3.3	3220	16.38	10.62	27.00	46.00	-19.00	AVG	
11	9.1	1820	29.63	10.60	40.23	60.00	-19.77	QP	
12	9.1	1820	15.64	10.60	26.24	50.00	-23.76	AVG	
Remarks 1.Measu		Read	ing Level+ (	Correct Facto	or				

2.Over = Measurement -Limit

#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China

KSIGN®

Test Voltage:	AC 12	20V/60Hz					
Terminal:	Neutr	al					
Test Mode:	Charg	ging+2412M					
80.0 dBp₩							
70							
60					FC	C Part 15 C (QF	<u>י)</u>
50		2			FCC	C Part 15 C (AVG	0
40 Am	North	A M WM	will Stratting and	"He way to my the the stand and	and when the state	Americanon	
30 30 M	V as Ma	N MANA MAN			12	when have a series of the series of	mon
20 H hay	WWY	L M Wears	Phil. W. Mariala a.	Hall of the second s	spr.loterplet.ghterix	and the second se	peak
10							AVG
0.0 0.150			(MHz)				30.000
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBpW	dB	dBpW	dBpW	dB	Detector
1	0.1620	26.97	10.71	37.68	65.36	-27.68	QP
2	0.1620	16.73	10.71	27.44	55.36	-27.92	AVG
3	0.6340	33.20	10.45	43.65	56.00	-12.35	QP
4 *	0.6340	24.40	10.45	34.85	46.00	-11.15	AVG
5	1.4180	25.08	10.49	35.57	56.00	-20.43	QP
6	1.4180	14.42	10.49	24.91	46.00	-21.09	AVG
7	2.0500	24.21	10.56	34.77	56.00	-21.23	QP
8	2.0500	14.54	10.56	25.10	46.00	-20.90	AVG
9	4.0180	21.84	10.61	32.45	56.00	-23.55	QP
10	4.0180	11.62	10.61	22.23	46.00	-23.77	AVG
11	9.4500	28.57	10.58	39.15	60.00	-20.85	QP
12	9.4500	12.22	10.58	22.80	50.00	-27.20	AVG
Remarks:							

1.Measurement = Reading Level+ Correct Factor

2.Over = Measurement -Limit

#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



# **4.EUT TEST PHOTOS**

Radiated Emissions (30MHz~1000MHz)



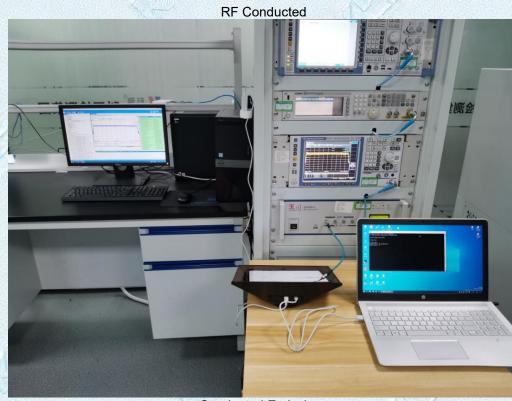
Radiated Emissions (Above 1GHz)



#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China





<image>

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



# **5.PHOTOGRAPHS OF EUT CONSTRUCTIONAL**





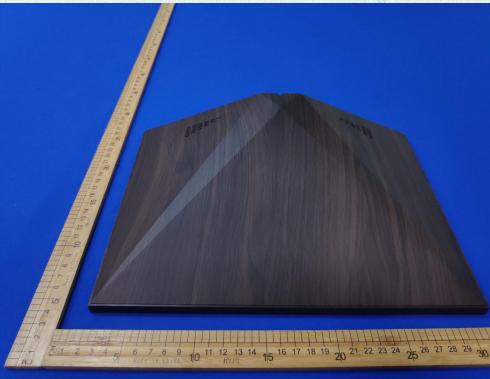


#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China

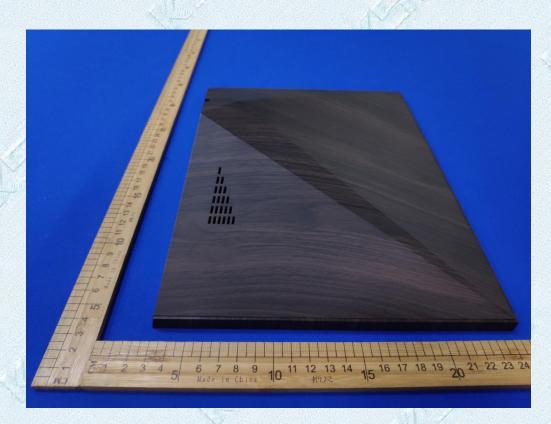


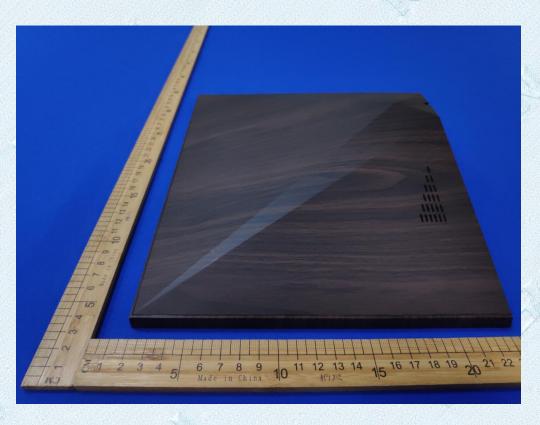




Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China







Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



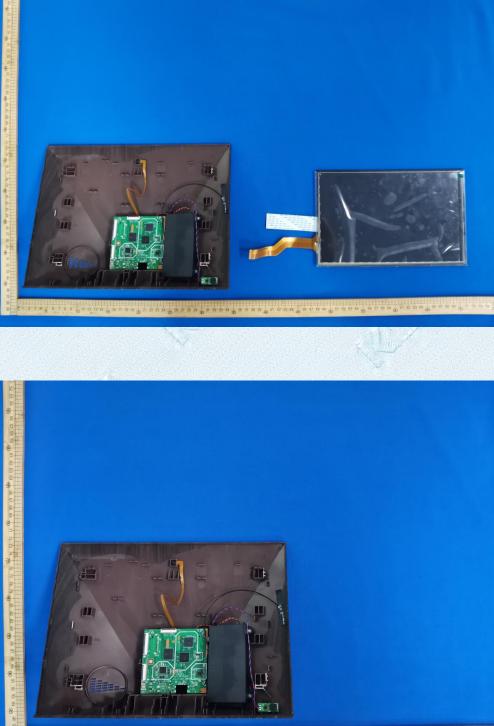


**Internal Photographs** 



Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China





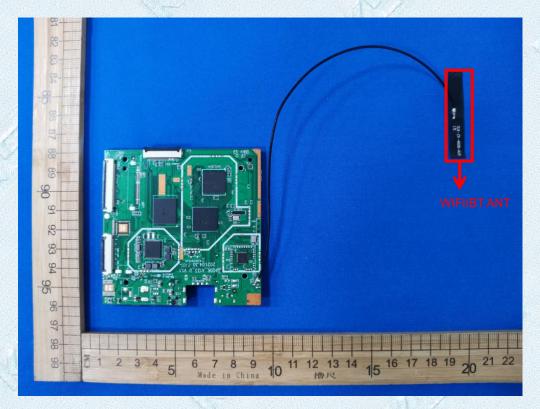
2 2 1 2 3 4 5 6 7 8 9 10 11 2 13 14 15 16 17 18 19 21 22 29 24 25 78 27 28 29 20 11 22 39 34 35 89 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 55 54 55 66 57 55 59 60 67

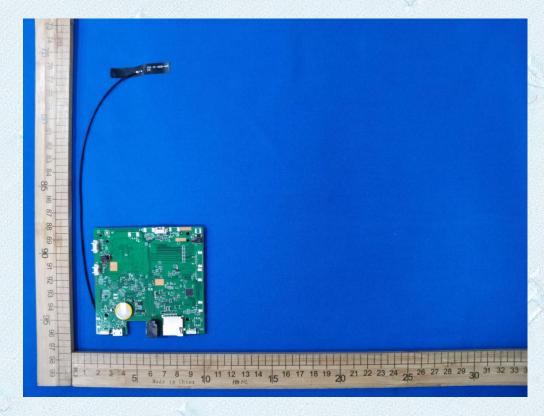
#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



#### Page 73 of 76





#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China

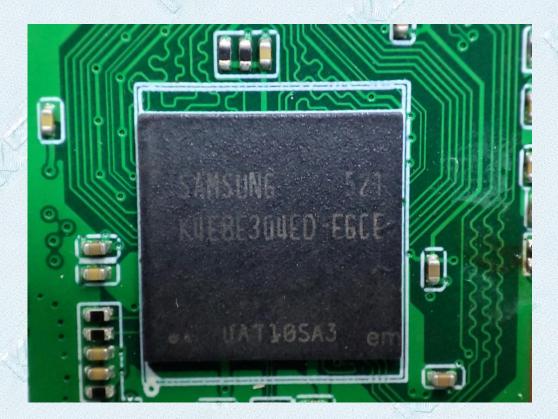






Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



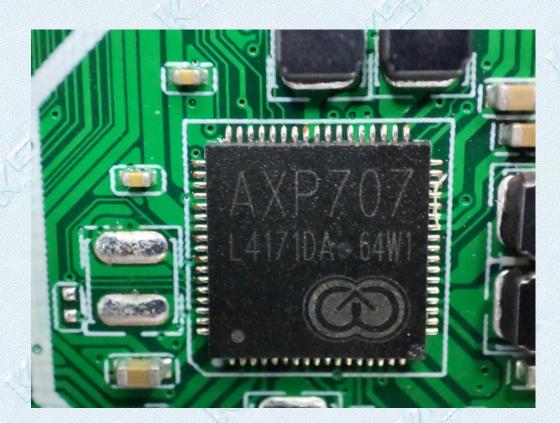




Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China



Page 76 of 76





--THE END--

#### TRF No. FCC Part 15.247\_R1

Add : West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China