





TEST REPORT

Applicant	Asian Express Holdings Limited
Address	RM1702, Sino Centre, 582-592 Nathan Road, Mongkok, Kowloon, Hong Kong.

Manufacturer or Supplier	Asian Express Holdings Limited		
Address	RM1702, Sino Centre, 582-592 Nathan Road, Mongkok, Kowloon, Hong Kong.		
Product	Dcula HD Viedo Drone + Wifi		
Brand Name	PROPEL		
Model	PL-1630		
Additional Model & Model Difference	PL-1631, PL-1632, PL-1633, PL-1634, PL-1635, PL-1636, PL-1637, PL-1638, PL-1639, see item 3.1		
Date of tests	Jun. 22, 2017 ~ Jul. 06, 2017		

The tests have been carried out according to the requirements of the following standard:

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Breeze Jiang	Approved by Glyn He
Project Engineer / EMC Department	Supervisor / EMC Department

veere

Date: Jul. 13, 2017

This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification



TABLE OF CONTENTS

R	ELEASE	CONTROL RECORD	4
1	SUM	MARY OF TEST RESULTS	5
2	MEA	SUREMENT UNCERTAINTY	5
3	GENE	ERAL INFORMATION	6
	3.1 GE	NERAL DESCRIPTION OF EUT	6
	3.2 DE	SCRIPTION OF TEST MODES	7
	3.2.1	CONFIGURATION OF SYSTEM UNDER TEST	8
	3.2.2	TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL	8
	3.3 GE	NERAL DESCRIPTION OF APPLIED STANDARDS	10
	3.4 DE	SCRIPTION OF SUPPORT UNITS	10
4	TEST	TYPES AND RESULTS	11
	4.1 RA	DIATED EMISSION MEASUREMENT	11
	4.1.1	LIMITS OF RADIATED EMISSION MEASUREMENT	11
	4.1.2	TEST INSTRUMENTS	12
	4.1.3	TEST PROCEDURES	13
	4.1.4	DEVIATION FROM TEST STANDARD	13
	4.1.5	TEST SETUP	14
	4.1.6	EUT OPERATING CONDITIONS	14
	4.1.7	TEST RESULTS	15
	4.2 6D	B BANDWIDTH MEASUREMENT	23
	4.2.1	LIMITS OF 6DB BANDWIDTH MEASUREMENT	23
	4.2.2	TEST INSTRUMENTS	23
	4.2.3	TEST PROCEDURE	23
	4.2.4	DEVIATION FROM TEST STANDARD	24
	4.2.5	TEST SETUP	24
	4.2.6	EUT OPERATING CONDITIONS	24
	4.2.7	TEST RESULTS	25
	4.3 CC	NDUCTED OUTPUT POWER	26
	4.3.1	LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT	26
	4.3.2	TEST SETUP	26
	4.3.3	TEST INSTRUMENTS	26
	4.3.4	TEST PROCEDURES	27
	4.3.5	DEVIATION FROM TEST STANDARD	27
	4.3.6	EUT OPERATING CONDITIONS	27
	4.3.7	TEST RESULTS	28

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China



	4.4 PO\	WER SPECTRAL DENSITY MEASUREMENT	30
	4.4.1	LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT	30
	4.4.2	TEST SETUP	
	4.4.3	TEST INSTRUMENTS	30
	4.4.4	TEST PROCEDURE	30
	4.4.5	DEVIATION FROM TEST STANDARD	
	4.4.6	EUT OPERATING CONDITION	31
	4.4.7	TEST RESULTS	31
	4.5 OU	T OF BAND EMISSION MEASUREMENT	32
	4.5.1	LIMITS OF OUT OF BAND EMISSION MEASUREMENT	32
	4.5.2	TEST SETUP	32
	4.5.3	TEST INSTRUMENTS	
	4.5.4	TEST PROCEDURE	32
	4.5.5	DEVIATION FROM TEST STANDARD	33
	4.5.6	EUT OPERATING CONDITION	33
	4.5.7	TEST RESULTS	34
5	PHOTO	OGRAPHS OF THE TEST CONFIGURATION	37
6	APPEN	IDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE	EUT
	BY THE	E LAB	38



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF170621N052-2	Original release	Jul. 13, 2017



1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247)				
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK	
15.207	AC Power Conducted Emission	N/A	Powered by Battery	
15.247(d) 15.209	Radiated Emissions	PASS	Meet the requirement of limit.	
15.247(d)	Band Edge Measurement	PASS	Meet the requirement of limit.	
15.247(a)(2)	6dB bandwidth	PASS	Meet the requirement of limit.	
15.247(b)	Conducted Output power	PASS	Meet the requirement of limit.	
15.247(e)	Power Spectral Density	PASS	Meet the requirement of limit.	
15.203	Antenna Requirement	PASS	No antenna connector is used	

2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
	9KHz ~ 30MHz	2.90dB
Radiated emissions	30MHz ~ 1GMHz	3.83dB
Nadiated emissions	1GHz ~ 18GHz	4.93dB
	18GHz ~ 40GHz	4.80dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Ocula HD Viedo Drone + Wifi		
MODEL NO.	PL-1630		
ADDITIONAL NO.	PL-1631, PL-1632, PL-1633, PL-1634, PL-1635, PL-1636, PL-1637, PL-1638, PL-1639		
FCC ID	VLEPL-1630R		
NOMINAL VOLTAGE	Camera: DC3.7V from Plane (Li-ion Battery)		
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM		
MODULATION TECHNOLOGY	DSSS, OFDM		
OPERATING FREQUENCY	2412-2462MHz for 11b/g		
PEAK OUTPUT POWER	23.84dBm(Maximum)		
ANTENNA TYPE	Integral Wire Antenna, with 2.5dBi gain		
I/O PORTS	Refer to user's manual		
CABLE SUPPLIED	N/A		

NOTE:

1. The EUT provides completed transmitters and receivers:

MODULATION MODE	FUNCTION
802.11b	1TX/1RX
802.11g	1TX/1RX

- 2. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- 3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
- 4. Please refer to the EUT photo document (Reference No.: 170621N052-2) for detailed product photo.
- 5. Additional models (see above table) are identical with the test model PL-1630 except the model number for trading purpose.
- 6. When the EUT charging that WiFi function cann't working, the charging mode was tested in the FCC Part 15B(VOC) report.(report no.: FV 170621N052)



3.2 DESCRIPTION OF TEST MODES

11 channels are provided for 802.11b, 802.11g:

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz		



3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

Please see section 5 photographs of the test configuration for reference.

3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

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.

The worst case was found when positioned on X axis for radiated emission. Following test modes were selected for the final test, and the final worst case is marked in boldface and recorded in the report:

EUT CONFIGURE	APPLICABLE TO				MODE	
MODE	RE<1G	RE≥1G	PLC	APCM	WODE	
-	V	V	-	√	Powered by Fully Battery with WIFI Link	

Where

RE<1G: Radiated Emission below 1GHz
PLC: Power Line Conducted Emission

RE≥1G: Radiated Emission above 1GHz

APCM: Antenna Port Conducted Measurement

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11b	1 to 11	1	OFDM	DBPSK	1.0

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11b	1 to 11	1, 6, 11	CCK	DBPSK	1.0
-	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0



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).

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

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11b	1 to 11	1, 11	ССК	DBPSK	1.0
-	802.11g	1 to 11	1, 11	OFDM	BPSK	6.0

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11b	1 to 11	1, 6, 11	CCK	DBPSK	1.0
-	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	TEST VOLTAGE	TESTED BY
RE<1G	23deg. C, 53%RH	DC 3.7V from Fully Battery	Eric Fang
RE≥1G	23deg. C, 53%RH	DC 3.7V from Fully Battery	Eric Fang
PLC	N/A	N/A	N/A
APCM	20deg. C, 55%RH	DC 3.7V from Fully Battery	Hardy



3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C, Section 15.247 KDB 558074 D01 DTS Meas Guidance v03r05 ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

NOTE: It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B(VoC). The test report has been issued separately.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Plane	PROPEL	PL-1630	N/A	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A

Tel: +86 769 8593 5656

Fax: +86 769 8593 1080

Email: customerservice.dg@cn.bureauveritas.com



4 TEST TYPES AND RESULTS

4.1 RADIATED EMISSION MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 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.



4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 12,17	Mar. 11,18
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	Nov. 04,16	Nov. 03,17
Bilog Antenna (30MHz~1GHz)	Teseq	CBL 6111D	30643	Jul. 14, 16	Jul. 13, 17
Loop antenna (9KHz ~30MHz)	Daze	ZN30900A	0708	Mar. 12,17	Mar. 11,18
Amplifier (9kHz-1GHz)	SONOMA	310D	186955	Mar. 04,17	Mar. 03, 18
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	00062558	May 18,17	May 17,18
GPS Generator+ Antenna	TOJOIN	GNSS-5000A	E1-010119	Aug. 08, 16	Aug. 07, 17
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	Mar. 12,17	Mar. 11,18
Test Software	ADT	ADT_Radiated _V7.6.15.9.2	N/A	N/A	N/A
Horn Antenna (18GHz-40GHz)	SCHWARZBEC K	BBHA 9170	BBHA9170242	Mar. 15,17	Mar. 14,18
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBEC K	BBV9718	305	Mar. 09,17	Mar. 08,18
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Nov. 04,16	Nov. 03,17
Test Software	ADT	ADT_Radiated _V7.6.15.9.2	N/A	N/A	N/A

NOTE:

- 1. The test was performed in 966 Chamber.
- 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
- The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
- 4. The FCC Site Registration No. is 502831.



4.1.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 1.5 meters (above 1GHz) and 0.8 meters (below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height 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.
- d. 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.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using fresh batteries. The turntable was rotated to maximize the emission level.

NOTE:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz(Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
- 4. All modes of operation were investigated and the worst-case emissions are reported.
- 5. The testing of the EUT was performed on all 3 orthogonal axes, the worst-case test configuration was reported on the file test setup photo.

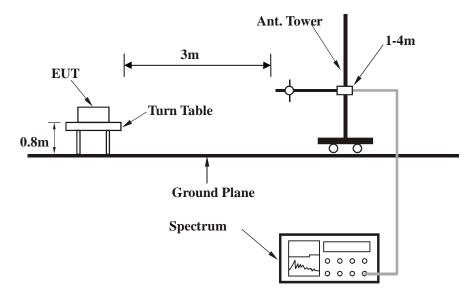
4.1.4 DEVIATION FROM TEST STANDARD

No deviation.



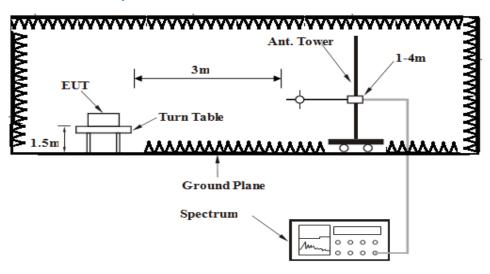
4.1.5 TEST SETUP

Below 1GHz test setup



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

Above 1GHz test setup



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT OPERATING CONDITIONS

- a. Placed the EUT on a testing table.
- b. Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
- c. The necessary accessories enable the EUT in full functions.

No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China



4.1.7 TEST RESULTS

BELOW 1GHz WORST-CASE DATA:

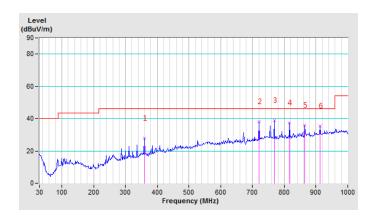
802.11b

CHANNEL	TX Channel 1	DETECTOR	Overi Book (OD)
FREQUENCY RANGE	9KHz ~ 1GHz	FUNCTION	Quasi-Peak (QP)

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)		
1	359.55	27.95 QP	46.00	-18.05	2.00 H	225	38.21	-10.26		
2	720.19	38.24 QP	46.00	-7.76	2.00 H	89	39.72	-1.48		
3	768.38	38.72 QP	46.00	-7.28	2.00 H	314	39.41	-0.69		
4	816.57	37.20 QP	46.00	-8.80	2.00 H	298	37.46	-0.26		
5	864.76	35.91 QP	46.00	-10.09	2.00 H	175	34.90	1.01		
6	912.95	35.32 QP	46.00	-10.68	2.00 H	27	33.68	1.64		

REMARKS:

- 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. The emission levels of other frequencies were less than 20dB margin against the limit.
- 4. Margin value = Emission level Limit value.



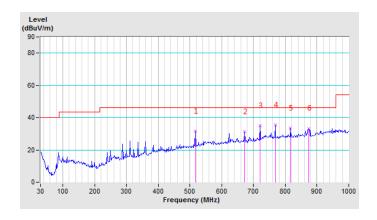


CHANNEL	TX Channel 1	DETECTOR	Quasi Pook (QD)
FREQUENCY RANGE	9KHz ~ 1GHz	FUNCTION	Quasi-Peak (QP)

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)	
1	516.55	31.77 QP	46.00	-14.23	1.00 V	263	37.74	-5.97	
2	672.00	31.21 QP	46.00	-14.79	1.00 V	118	33.65	-2.44	
3	720.19	34.90 QP	46.00	-11.10	1.00 V	49	36.38	-1.48	
4	768.38	35.28 QP	46.00	-10.72	1.00 V	136	35.97	-0.69	
5	816.57	33.38 QP	46.00	-12.62	1.00 V	259	33.64	-0.26	
6	874.09	33.33 QP	46.00	-12.67	1.00 V	21	32.08	1.25	

REMARKS:

- 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. The emission levels of other frequencies were less than 20dB margin against the limit.
- 4. Margin value = Emission level Limit value.





ABOVE 1GHz DATA 802.11b

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA I	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL	AT 3 M	
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.58 PK	74.00	-11.42	2.00 H	30	59.53	3.05
2	2390.00	36.59 AV	54.00	-17.41	2.00 H	30	33.54	3.05
3	*2412.00	110.21 PK			2.00 H	30	107.12	3.09
4	*2412.00	100.89 AV			2.00 H	30	97.80	3.09
5	4824.00	52.59 PK	74.00	-21.41	1.00 H	214	47.46	5.13
6	4824.00	39.39 AV	54.00	-14.61	1.00 H	214	34.26	5.13
7	#7236.00	59.24 PK	74.00	-14.76	2.00 H	31	47.22	12.02
8	#7236.00	45.26 AV	54.00	-8.74	2.00 H	31	33.24	12.02
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 3 M	
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	53.26 PK	74.00	-20.74	1.00 V	129	50.21	3.05
2	2390.00	34.96 AV	54.00	-19.04	1.00 V	129	31.91	3.05
3	*2412.00	102.26 PK			1.00 V	129	99.17	3.09
4	*2412.00	93.98 AV			1.00 V	129	90.89	3.09
5	4824.00	53.22 PK	74.00	-20.78	1.00 V	30	48.09	5.13
6	4824.00	39.65 AV	54.00	-14.35	1.00 V	30	34.52	5.13
7	#7236.00	58.36 PK	74.00	-15.64	1.00 V	30	46.34	12.02
8	#7236.00	46.26 AV	54.00	-7.74	1.00 V	30	34.24	12.02

REMARKS:

- 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. The emission levels of other frequencies were less than 20dB margin against the limit.
- 4. Margin value = Emission level Limit value.
- 5. " * ": Fundamental frequency.
- 6. " # ": The radiated frequency is out of the restricted band.

Tel: +86 769 8593 5656

Fax: +86 769 8593 1080



CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)							
1	*2437.00	109.33 PK			1.00 H	325	106.17	3.16							
2	*2437.00	101.45 AV			1.00 H	325	98.29	3.16							
3	4874.00	53.79 PK	74.00	-20.21	1.00 H	245	48.57	5.22							
4	4874.00	39.87 AV	54.00	-14.13	1.00 H	245	34.65	5.22							
5	7311.00	59.96 PK	74.00	-14.04	1.00 H	32	47.65	12.31							
6	7311.00	46.26 AV	54.00	-7.74	1.00 H	32	33.95	12.31							
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)							
1	*2437.00	105.84 PK			1.00 V	205	102.68	3.16							
2	*2437.00	97.61 AV			1.00 V	205	94.45	3.16							
3	4874.00	52.98 PK	74.00	-21.02	1.00 V	360	47.76	5.22							
4	4874.00	40.25 AV	54.00	-13.75	1.00 V	360	35.03	5.22							
5	7311.00	59.38 PK	74.00	-14.62	1.00 V	35	47.07	12.31							
6	7311.00	46.26 AV	54.00	-7.74	1.00 V	35	33.95	12.31							

REMARKS:

- 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. The emission levels of other frequencies were less than 20dB margin against the limit.
- 4. Margin value = Emission level Limit value.
- 5. " * ": Fundamental frequency.

Tel: +86 769 8593 5656



CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)	
1	*2462.00	111.21 PK			2.63 H	296	107.99	3.22	
2	*2462.00	102.90 AV			2.63 H	296	99.68	3.22	
3	2483.50	64.59 PK	74.00	-9.41	2.63 H	296	61.32	3.27	
4	2483.50	38.47 AV	54.00	-15.53	2.63 H	296	35.20	3.27	
5	4924.00	52.84 PK	74.00	-21.16	2.00 H	315	47.52	5.32	
6	4924.00	39.48 AV	54.00	-14.52	2.00 H	315	34.16	5.32	
7	7386.00	59.45 PK	74.00	-14.55	1.00 H	325	46.84	12.61	
8	7386.00	46.55 AV	54.00	-7.45	1.00 H	325	33.94	12.61	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 3 M		
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)	
1	*2462.00	105.65 PK			3.53 V	259	102.43	3.22	
2	*2462.00	96.98 AV			3.53 V	259	93.76	3.22	
3	2483.50	59.68 PK	74.00	-14.32	1.00 V	259	56.41	3.27	
4	2483.50	38.95 AV	54.00	-15.05	1.00 V	259	35.68	3.27	
5	4924.00	52.49 PK	74.00	-21.51	1.00 V	352	47.17	5.32	
6	4924.00	39.65 AV	54.00	-14.35	1.00 V	352	34.33	5.32	
7	7386.00	58.65 PK	74.00	-15.35	1.00 V	32	46.04	12.61	
8	7386.00	46.21 AV	54.00	-7.79	1.00 V	32	33.60	12.61	

REMARKS:

- 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. The emission levels of other frequencies were less than 20dB margin against the limit.
- 4. Margin value = Emission level Limit value.
- 5. "* ": Fundamental frequency.



802.11g

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANITENINIA	DOL ADITY	TECT DIC	TANCE, UO	DIZONTAL	AT 2 M	
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	TANCE: HO ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.75 PK	74.00	-2.25	1.00 H	299	68.70	3.05
2	2390.00	49.92 AV	54.00	-4.08	1.00 H	299	46.87	3.05
3	*2412.00	108.88 PK			1.00 H	299	105.79	3.09
4	*2412.00	93.67 AV			1.00 H	299	90.58	3.09
5	4824.00	53.26 PK	74.00	-20.74	1.00 H	360	48.13	5.13
6	4824.00	39.69 AV	54.00	-14.31	1.00 H	360	34.56	5.13
7	#7236.00	59.85 PK	74.00	-14.15	2.00 H	201	47.83	12.02
8	#7236.00	46.09 AV	54.00	-7.91	2.00 H	201	34.07	12.02
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 3 M	
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	56.65 PK	74.00	-17.35	1.00 V	130	53.60	3.05
2	2390.00	40.16 AV	54.00	-13.84	1.00 V	130	37.11	3.05
3	*2412.00	99.54 PK			1.00 V	130	96.45	3.09
4	*2412.00	82.59 AV			1.00 V	130	79.50	3.09
5	4824.00	53.65 PK	74.00	-20.35	1.00 V	52	48.52	5.13
6	4824.00	39.85 AV	54.00	-14.15	1.00 V	52	34.72	5.13
	#7236.00	60.71 PK	74.00	-13.29	1.00 V	35	48.69	12.02
7	#1230.00	00.7 T T K	7 4.00	10.23	1.00 V	00	40.00	12.02

REMARKS:

- 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. The emission levels of other frequencies were less than 20dB margin against the limit.
- 4. Margin value = Emission level Limit value.
- 5. " * ": Fundamental frequency.
- 6. " # ": The radiated frequency is out of the restricted band.



CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)	
1	*2437.00	105.26 PK			1.10 H	325	102.10	3.16	
2	*2437.00	88.29 AV			1.10 H	325	85.13	3.16	
3	4874.00	53.15 PK	74.00	-20.85	1.00 H	360	47.93	5.22	
4	4874.00	39.88 AV	54.00	-14.12	1.00 H	360	34.66	5.22	
5	7311.00	59.85 PK	74.00	-14.15	1.55 H	113	47.54	12.31	
6	7311.00	46.28 AV	54.00	-7.72	1.55 H	113	33.97	12.31	
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 3 M		
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)	
1	*2437.00	105.56 PK			1.00 V	278	102.40	3.16	
2	*2437.00	85.89 AV			1.00 V	278	82.73	3.16	
3	4874.00	52.69 PK	74.00	-21.31	1.00 V	325	47.47	5.22	
4	4874.00	39.36 AV	54.00	-14.64	1.00 V	325	34.14	5.22	
5	7311.00	59.26 PK	74.00	-14.74	1.00 V	360	46.95	12.31	
6	7311.00	46.25 AV	54.00	-7.75	1.00 V	360	33.94	12.31	

REMARKS:

- 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. The emission levels of other frequencies were less than 20dB margin against the limit.
- 4. Margin value = Emission level Limit value.
- 5. " * ": Fundamental frequency.

Tel: +86 769 8593 5656



CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

					-				
	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)	
1	*2462.00	107.12 PK			1.00 H	307	103.90	3.22	
2	*2462.00	90.32 AV			1.00 H	307	87.10	3.22	
3	2483.50	68.59 PK	74.00	-5.41	1.00 H	307	65.32	3.27	
4	2483.50	45.88 AV	54.00	-8.12	1.00 H	307	42.61	3.27	
5	4924.00	52.88 PK	74.00	-21.12	1.00 H	205	47.56	5.32	
6	4924.00	38.65 AV	54.00	-15.35	1.00 H	205	33.33	5.32	
7	7386.00	58.94 PK	74.00	-15.06	1.00 H	266	46.33	12.61	
8	7386.00	46.39 AV	54.00	-7.61	1.00 H	266	33.78	12.61	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 3 M		
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)	
1	*2462.00	100.63 PK			1.00 V	64	97.41	3.22	
2	*2462.00	80.41 AV			1.00 V	64	77.19	3.22	
3	2483.50	60.59 PK	74.00	-13.41	1.00 V	64	57.32	3.27	
4	2483.50	40.96 AV	54.00	-13.04	1.00 V	64	37.69	3.27	
5	4924.00	51.69 PK	74.00	-22.31	1.00 V	325	46.37	5.32	
6	4924.00	40.15 AV	54.00	-13.85	1.00 V	325	34.83	5.32	
7	7386.00	57.85 PK	74.00	-16.15	1.00 V	322	45.24	12.61	

REMARKS:

- 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. The emission levels of other frequencies were less than 20dB margin against the limit.
- 4. Margin value = Emission level Limit value.
- 5. " * ": Fundamental frequency.



4.2 6dB BANDWIDTH MEASUREMENT

4.2.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Sensor	Keysight	U2021XA	MY55060016	May 04,17	May 03,18
Power Sensor	Keysight	U2021XA	MY55060018	May 04,17	May 03,18
Digital Multimeter	FLUKE	15B	A1220010DG	Oct. 13, 16	Oct.12, 17
Humid & Temp Programmable Tester	Haida	HD-2257	110807201	Sep.05,16	Sep. 04,17
Oscilloscope	Agilent	DSO9254A	MY51260160	Nov. 04,16	Nov. 03,17
Signal Analyzer	Rohde & Schwarz	FSV7	102331	Nov. 04,16	Nov. 03,17
Signal Generator	Agilent	N5183A	MY50140980	Nov. 04,16	Nov. 03,17
Agile Signal Generator	Agilent	8645A	Agilent	Aug.08, 16	Aug.07, 17
Spectrum Analyzer	Keysight	N9020A	MY55400499	Apr. 05,17	Apr. 04,18
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Dec.05, 16	Dec. 04, 17
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A	N/A

NOTE:

- 1. The test was performed in RF Oven room.
- 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

4.2.3 TEST PROCEDURE

- 1. Set resolution bandwidth (RBW) = 100KHz
- 2. Set the video bandwidth (VBW) \geq 3 x RBW, Detector = Peak.
- 3. Trace mode = max hold.
- 4. Sweep = auto couple.
- 5. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

4.2.5 TEST SETUP



4.2.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

Tel: +86 769 8593 5656



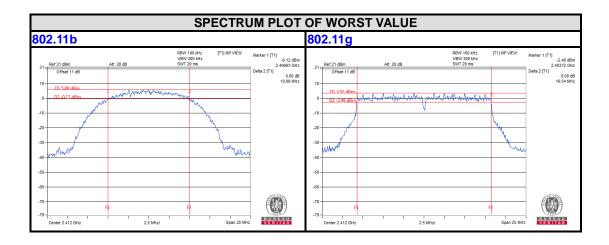
4.2.7 TEST RESULTS

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	10.09	0.5	PASS
6	2437	10.08	0.5	PASS
11	2462	10.07	0.5	PASS

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	16.54	0.5	PASS
6	2437	16.52	0.5	PASS
11	2462	16.53	0.5	PASS



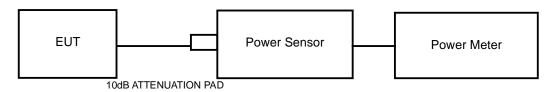


4.3 CONDUCTED OUTPUT POWER

4.3.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

For systems using digital modulation in the 2400–2483.5 MHz band: 1 Watt (30dBm).

4.3.2 TEST SETUP



4.3.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Sensor	Keysight	U2021XA	MY55060016	May 04,17	May 03,18
Power Sensor	Keysight	U2021XA	MY55060018	May 04,17	May 03,18
Digital Multimeter	FLUKE	15B	A1220010DG	Oct. 13, 16	Oct.12, 17
Humid & Temp Programmable Tester	Haida	HD-2257	110807201	Sep.05,16	Sep. 04,17
Oscilloscope	Agilent	DSO9254A	MY51260160	Nov. 04,16	Nov. 03,17
Signal Analyzer	Rohde & Schwarz	FSV7	102331	Nov. 04,16	Nov. 03,17
Signal Generator	Agilent	N5183A	MY50140980	Nov. 04,16	Nov. 03,17
Agile Signal Generator	Agilent	8645A	Agilent	Aug.08, 16	Aug.07, 17
Spectrum Analyzer	Keysight	N9020A	MY55400499	Apr. 05,17	Apr. 04,18
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Dec.05, 16	Dec. 04, 17
Attenuator	MINI	BW-S10W2+	S130129FGE 2	N/A	N/A

NOTE:

- 1. The test was performed in RF Oven room.
- 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



4.3.4 TEST PROCEDURES

A peak power sensor was used on the output port of the EUT. A peak power meter was used to read the response of the peak power sensor. Record the peak power level.

4.3.5 DEVIATION FROM TEST STANDARD

No deviation.

4.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



4.3.7 TEST RESULTS MAXIMUM PEAK OUTPUT POWER

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT (W)	PASS/FAIL
1	2412	21.82	152.055	1	PASS
6	2437	21.88	154.170	1	PASS
11	2462	21.94	156.315	1	PASS

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT (W)	PASS/FAIL
1	2412	23.41	219.280	1	PASS
6	2437	23.62	230.144	1	PASS
11	2462	23.84	242.103	1	PASS

Tel: +86 769 8593 5656



4.4.7.2 AVERAGE OUTPUT POWER (FOR REFERENCE)

The average power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	AVG. POWER (mW)	PEAK POWER LIMIT (W)	PASS / FAIL
1	2412	15.91	38.994	1	PASS
6	2437	15.63	36.559	1	PASS
11	2462	15.44	34.995	1	PASS

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	AVG. POWER (mW)	PEAK POWER LIMIT (W)	PASS / FAIL
1	2412	14.03	25.293	1	PASS
6	2437	14.32	27.040	1	PASS
11	2462	14.41	27.606	1	PASS



4.4 POWER SPECTRAL DENSITY MEASUREMENT

4.4.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

4.4.2 TEST SETUP



4.4.3 TEST INSTRUMENTS

Refer to section 4.3.3 to get information of above instrument.

4.4.4 TEST PROCEDURE

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set span to at least 1.5 times the OBW.
- c) Set RBW to: 3KHz
- d) Set VBW ≥3 x RBW.
- e) Detector = peak
- f) Ensure that the number of measurement points in the sweep $\geq 2 \times \text{span/RBW}$.
- g) Sweep time = auto couple.
- h) Use the peak marker function to determine the maximum amplitude level.

4.4.5 DEVIATION FROM TEST STANDARD

No deviation.



4.4.6 EUT OPERATING CONDITION

Same as item 4.3.6.

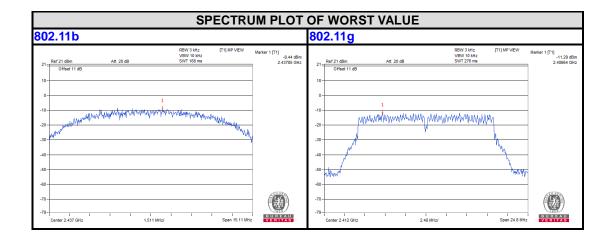
4.4.7 TEST RESULTS

802.11b

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-8.46	8.00	PASS
6	2437	-8.44	8.00	PASS
11	2462	-8.65	8.00	PASS

802.11g

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-11.29	8.00	PASS
6	2437	-11.80	8.00	PASS
11	2462	-11.92	8.00	PASS





4.5 OUT OF BAND EMISSION MEASUREMENT

4.5.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.5.2 TEST SETUP



4.5.3 TEST INSTRUMENTS

Refer to section 4.3.3 to get information of above instrument.

4.5.4 TEST PROCEDURE

Measurement Procedure - Reference Level

- 1. Set the RBW = 100 kHz.
- 2. Set the VBW ≥ 300 kHz.
- 3. Detector = peak.
- 4. Sweep time = auto couple.
- 5. Trace mode = max hold.
- 6. Allow trace to fully stabilize.
- 7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.



Measurement Procedure – Unwanted Emission Level

- 1. Set RBW = 100 kHz.
- 2. Set VBW ≥ 300 kHz.
- 3. Set span to encompass the spectrum to be examined
- 4. Detector = peak.
- 5. Trace Mode = max hold.
- 6. Sweep = auto couple.

4.5.5 DEVIATION FROM TEST STANDARD

No deviation.

4.5.6 EUT OPERATING CONDITION

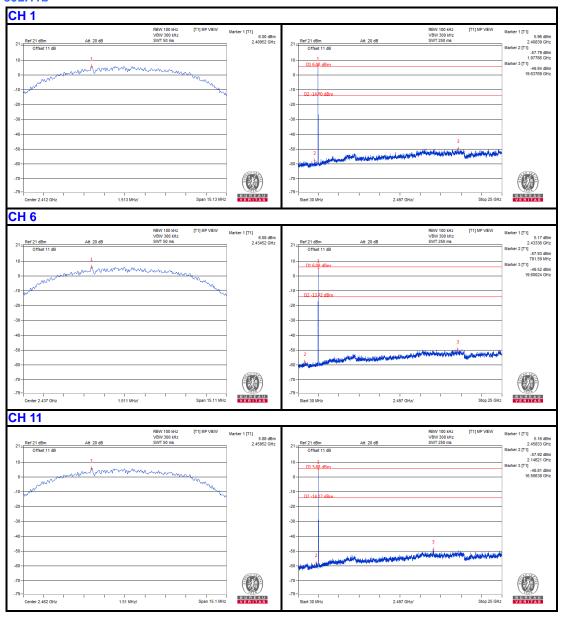
Same as item 4.3.6

Tel: +86 769 8593 5656



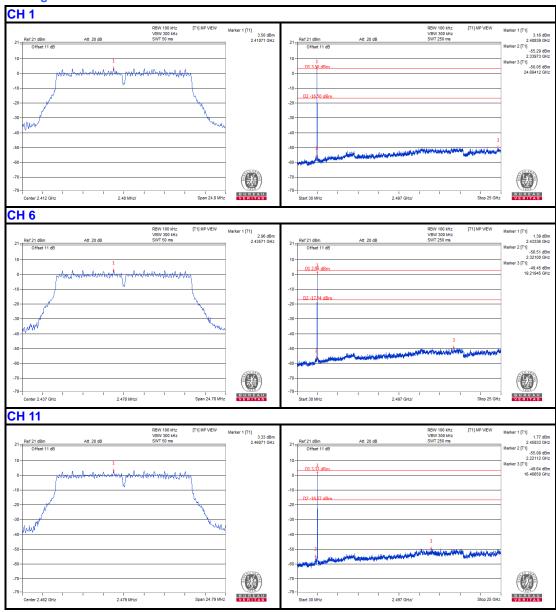
4.5.7 TEST RESULTS

802.11b



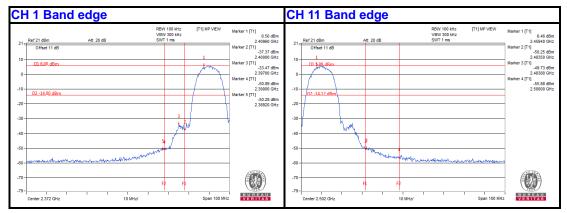


802.11g

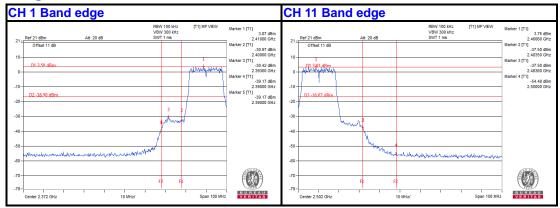




802.11b



802.11g





5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



6 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

---END---