

Report No: FCS202106007W02

Issued for

CLMBR, INC.

3033 E 1st Ave, Suite 501, Denver, CO. USA

Product Name:	Tablet PC
Brand Name:	CLMBR
Model Name:	CLMBR Connected
Series Model:	NA
FCC ID:	2AZ9G-CONNECTED
Jaguard Dur	Flux Compliance Convice Laboratory

Issued By: Flux Compliance Service Laboratory

Add: Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road
Hi-Tech Industrial, Song shan lake Dongguan

Hi-Tech Industrial, Song shan lake Dongguan
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# **TEST RESULT CERTIFICATION**

Applicant's Name:	CLMBR, INC.
Address:	3033 E 1st Ave, Suite 501, Denver, CO. USA
Manufacture's Name:	Shenzhen ELINK technology Co., LTD.
Address:	F4, Block A, Qiaohonsheng CCI Garden, Yintian Instrial Park, Xixiang, Bao'an, Shenzhen, Guangdong, China.
<b>Product Description</b>	
Product Name:	Tablet PC
Brand Name:	CLMBR
Model Name:	CLMBR Connected
Series Model:	NA
Test Standards:	FCC Part15.247
Test Procedure:	ANSI C63.10-2013
results show that the equipment us is applicable only to the tested sa This report shall not be reproduct Service Laboratory, this docum	been tested by Flux Compliance Service Laboratory, the test under test (EUT) is in compliance with the FCC requirements. And it mple identified in the report. Seed except in full, without the written approval of Flux Compliance nent may be altered or revised by Flux Compliance Service all be noted in the revision of the document
Date (s) of performance of tests:	June. 01, 2021 ~ June. 09, 2021
Date of Issue:	June. 09, 2021
Test Result:	Pass
Tested by	: Scott Shen (Scott Shen)
Reviewed by	:(Duke Qian)

Approved by

(Kait Chen)



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# **Revision History**

Rev. Issue Date		Effect Page	Contents	
00 June. 09, 2021		ALL	Initial Issue	



# 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part 15.247,Subpart C				
Standard Section	Judgment	Remark		
FCC 15.247 (a) (2)	6dB Bandwidth	PASS		
FCC 15.247 (b) (3)	Conducted Output Power	PASS		
FCC 15.247 (e)	Power Spectral Density	PASS		
FCC 15.247 (d)	Band-edge and Spurious Emissions (Conducted)	PASS		
FCC 15.247 (d)	Radiated Spurious Emissions	D4.00		
FCC 15.209 FCC 15.205	·	PASS		
FCC 15.247 (d)	Radiated Band Edge Compliance			
FCC 15.209 FCC 15.205	radiated band Lago compilance	PASS		
FCC 15.207	Power Line Conducted Emission	PASS		
FCC 15.203	Antenna requirement	PASS		
15.205	Restricted Band Edge Emission	PASS		

# NOTE:

- (1)" N/A" denotes test is not applicable in this Test Report
- (2) All tests are according to ANSI C63.10-2013

Report No.: FCS202106007W02

#### 1.1 TEST FACTORY

Company Name:	Flux Compliance Service Laboratory
Address:	Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech Industrial, Song shan lake Dongguan
Telephone:	+86-769-27280901
Fax:	+86-769-27280901

FCC Test Firm Registration Number: 514908

Designation number: CN0127

A2LA accreditation number: 5545.01

## 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $\mathbf{y} \pm \mathbf{U}$ , where expended uncertainty  $\mathbf{U}$  is based on a standard uncertainty multiplied by a coverage factor of  $\mathbf{k=2}$ , providing a level of confidence of approximately 95%.

No.	Item	Uncertainty
1	RF output power, conducted	±0.71dB
2	Unwanted Emissions, conducted	±2.988 dB
3	Conducted Emission (9KHz-150KHz)	±4.13 dB
4	Conducted Emission (150KHz-30MHz)	±4.74 dB
5	All emissions,radiated(<1G) 30MHz-1000MHz	±5.2 dB
6	All emissions,radiated 1GHz -18GHz	±4.66 dB
7	All emissions,radiated 18GHz -40GHz	±4.31 dB



# 2. GENERAL INFORMATION

# 2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Tablet PC
Trade Name	CLMBR
Model Name	CLMBR Connected
Series Model	NA
Model Difference	NA
Channel List	Please refer to the Note 2.2.
	IEEE 802.11b: 2412MHz-2462MHz
Operation frequency	IEEE 802.11g: 2412MHz-2462MHz
operation nequency	IEEE 802.11n HT20: 2412MHz-2462MHz IEEE 802.11n HT40: 2422MHz-2452MHz
Modulation:	DSSS/OFDM
Power supply	DC 12V by adapter
Hardware version number	V1.0
Software version number	V1.0
Connecting I/O Port(s)	Please refer to the User's Manual

## Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.

	Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
01	2412	05	2432	09	2452	
02	2417	06	2437	10	2457	
03	2422	07	2442	11	2462	
04	2427	08	2447			

# 3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	PIFA antenna	N/A	1.0B dBi	Antenna





#### 2.2 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Block diagram of EUT configuration for test



Test software: the FCC Assist

The test softeware was used to control EUT work in continuous TX mode, and select test channel, Wireless mode as below table

802.11 b g n20 n40

## Note:

- (1) According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test,
- (2) During the test, the dutycycle>98%, the test voltage was tuned from 85% to 115% of the Nominal rate supply votage, and found that the worst case was the nominal rated supply condition, So the report just shows that condition's data



## 2.3 DESCRIPTION OF NECESSARY ACCESSORIES AND 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.

## Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
1	Adapter	XIAM	050KU	N/A	this adapter is for testing only in report

# Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note

#### Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <sup>®</sup>Length <sup>a</sup> column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".



# 2.4 EQUIPMENTS LIST

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESRP 3	FCS-E001	2020.08.09	2021.08.10
Signal Analyzer	R&S	FSV40-N	FCS-E012	2020.08.09	2021.08.10
Active loop Antenna	ZHINAN	ZN30900C	FCS-E013	2020.08.09	2021.08.10
Bilog Antenna	SCHWARZBECK	VULB 9168	FCS-E002	2020.08.26	2021.08.25
Horn Antenna	SCHWARZBECK	BBHA 9120D	FCS-E003	2020.08.26	2021.08.25
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	FCS-E018	2020.06.26	2021.06.25
Pre-Amplifier(0.1M-3G Hz)	EMCI	EM330N	FCS-E004	2020.06.26	2021.06.25
Pre-Amplifier (1G-18GHz)	N/A	TSAMP-0518SE	FCS-E014	2020.08.09	2021.08.10
Pre-Amplifier (18G-40GHz)	TERA-MW	TRLA-0400	FCS-E019	2020.08.08	2021.08.07
Temperature & Humidity	HTC-1	victor	FCS-E005	2020.08.26	2021.08.25

Conduction Test equipment

Conduction root equipment					
Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESPI	FCS-E020	2020.08.09	2021.08.10
LISN	R&S	ENV216	FCS-E007	2020.08.08	2021.08.07
LISN	ETS	3810/2NM	FCS-E009	2020.08.09	2021.08.10
Temperature & Humidity	HTC-1	victor	FCS-E008	2020.08.08	2021.08.07

# **RF Connected Test**

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
MXA SIGNAL Analyzer	Keysight	N9020A	FCS-E015	2020.08.09	2021.08.10
Spectrum Analyzer	Agilent	E4447A	MY50180039	2020.08.08	2021.08.07
Spectrum Analyzer	R&S	FSV-40	101499	2020.08.26	2021.08.25
Power meter	Agilent	U2021XA	MY55150021	2020.08.26	2021.08.25



#### 3. 6DB BANDWIDTH

#### 3.1 Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500 kHz

#### 3.2 Test Procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Set the spectrum analyzer as follows

RBW: 100kHz
VBW: 300kHz
Detector Mode: Peak
Sweep time: auto
Trace mode Max hold

(3) Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

## 3.3 Test setup





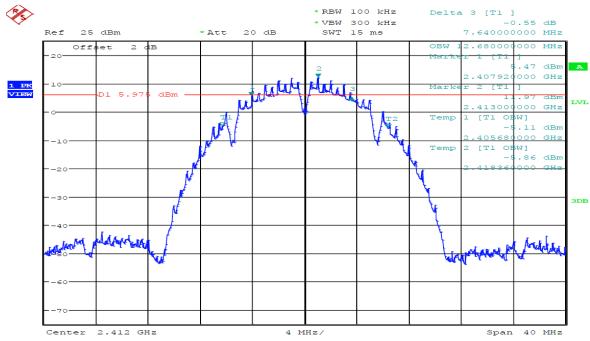
# 3.4 Test results

TestMode	Channel (MHz)	6dB Bandwidth (MHz)	Limit [MHz]	Verdict
802.11b	2412MHz	7.64	0.5	Pass
802.11b	2437MHz	8.20	0.5	Pass
802.11b	2462MHz	7.64	0.5	Pass
802.11g	2412MHz	16.40	0.5	Pass
802.11g	2437MHz	16.44	0.5	Pass
802.11g	2462MHz	16.44	0.5	Pass
802.11n 20	2412MHz	17.64	0.5	Pass
802.11n 20	2437MHz	17.64	0.5	Pass
802.11n 20	2462MHz	17.64	0.5	Pass
802.11n 40	2422MHz	34.64	0.5	Pass
802.11n 40	2437MHz	35.52	0.5	Pass
802.11n 40	2452MHz	34.00	0.5	Pass

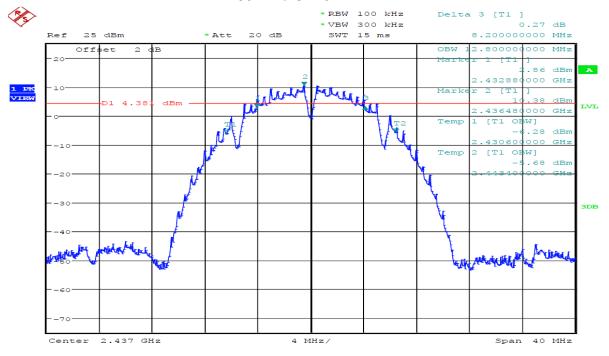


## 3.5 Original Test Data

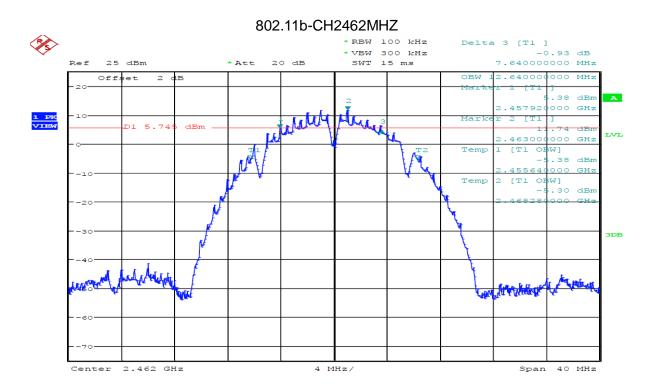
#### 802.11b-CH2412MHZ

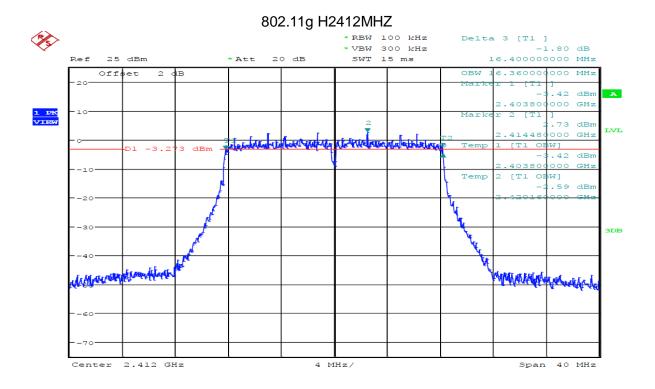


#### 802.11b-CH237MHZ

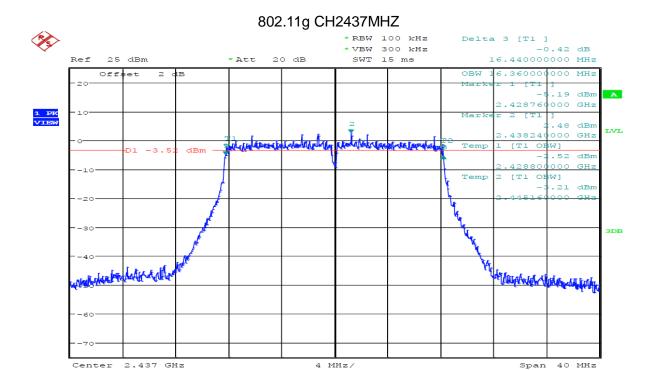


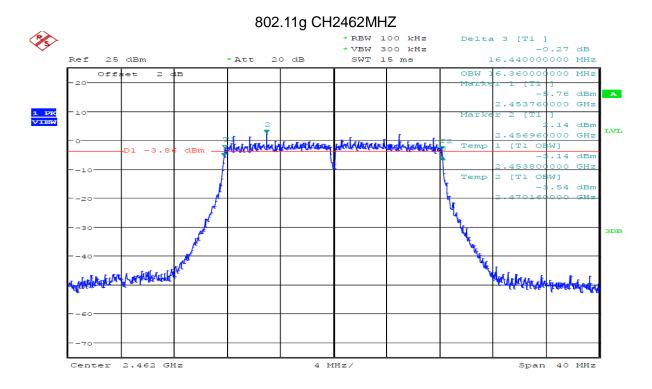






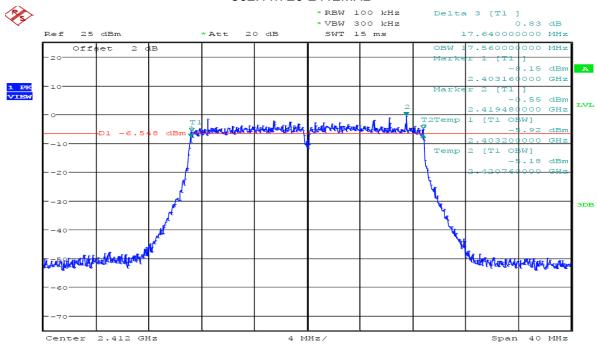




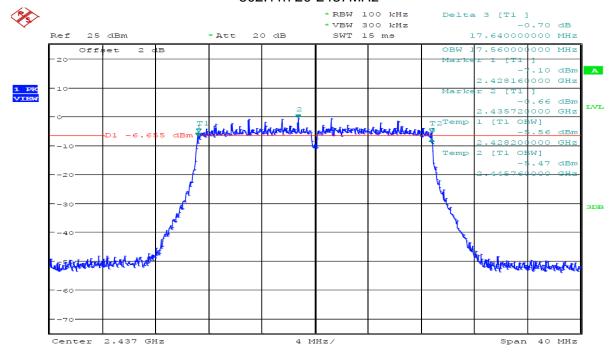




#### 802.11n 20-2412MHz

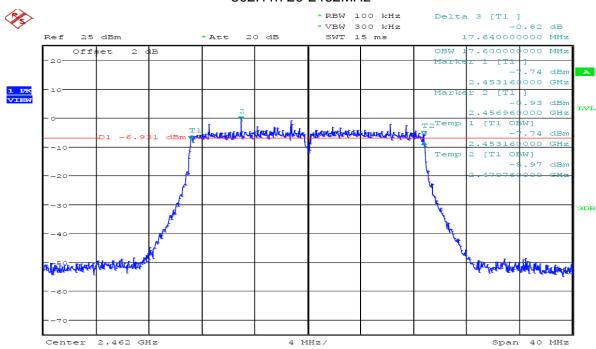


#### 802.11n 20-2437MHz

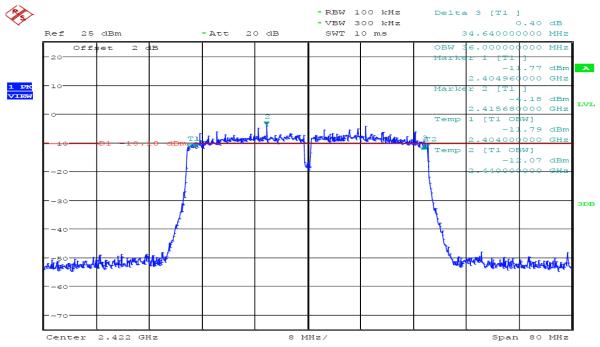




#### 802.11n 20-2462MHz

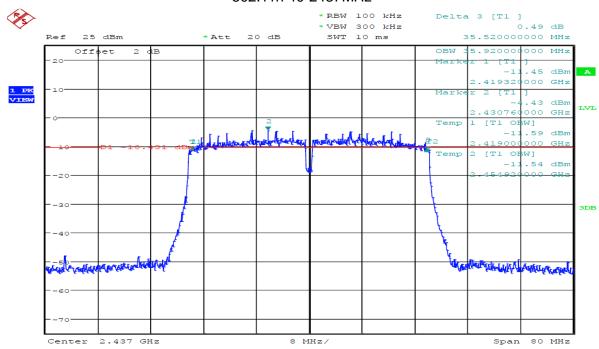


## 802.11n 40-2422MHz

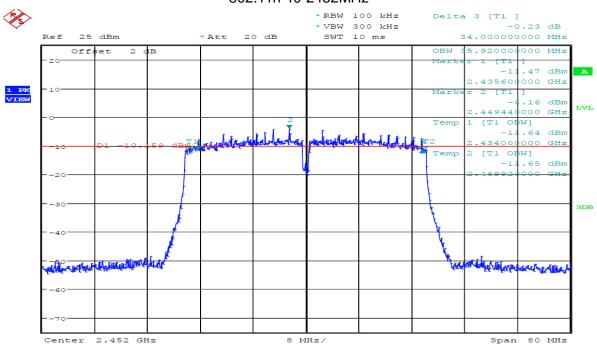




#### 802.11n 40-2437MHz



#### 802.11n 40-2452MHz





#### 4 CONDUCTED OUTPUT POWER

#### 4.1 limit

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

## 4.2 test procedure

a. Connect each EUT's antenna output to power sensor by RF cable and attenuator

#### 4.3 TEST SETUP



#### 4.5 test results

TestMode	Channel (MHz)	Result (dBm)	Limit (dBm)	Verdict
802.11b	2412MHz	12.05	30	Pass
802.11b	2437MHz	11.56	30	Pass
802.11b	2462MHz	11.78	30	Pass
802.11g	2412MHz	7.18	30	Pass
802.11g	2437MHz	7.03	30	Pass
802.11g	2462MHz	7.50	30	Pass
802.11n 20	2412MHz	5.32	30	Pass
802.11n 20	2437MHz	5.63	30	Pass
802.11n 20	2462MHz	5.36	30	Pass
802.11n 40	2422MHz	3.66	30	Pass
802.11n 40	2437MHz	3.11	30	Pass
802.11n 40	2452MHz	3.27	30	Pass



## 5. POWER SPECTRAL DENSITY

## 5.1 LIMIT

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

#### **5.2 TEST PROCEDURE**

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Set the spectrum analyzer as follows:

Center frequency DTS Channel center frequency

RBW:  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ 

VBW: ≥ 3RBW

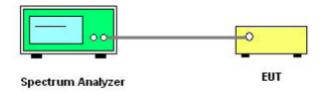
Span 1.5 times the DTS bandwidth

Detector Mode: RMS
Sweep time: auto

Trace mode Max hold

- (3) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude level within the RBW
- (4) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

## 5.3 TEST SETUP





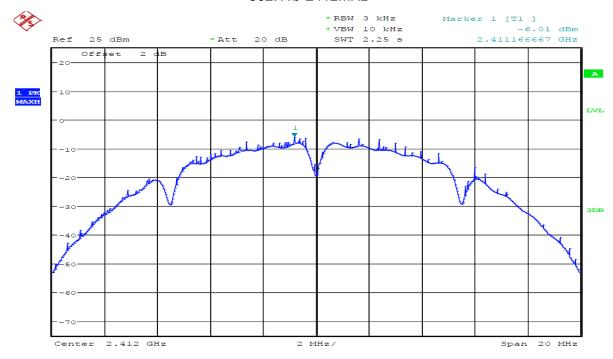
# 5.5 TEST RESULTS

Test Mode	Channel (MHz)	Result (dBm/3KHz)	Limit (dBm/3KHz)	Verdict
802.11b	2412MHz	-6.01	8	Pass
802.11b	2437MHz	-4.29	8	Pass
802.11b	2462MHz	-5.60	8	Pass
802.11g	2412MHz	-13.97	8	Pass
802.11g	2437MHz	-13.62	8	Pass
802.11g	2462MHz	-14.19	8	Pass
802.11n 20	2412MHz	-16.03	8	Pass
802.11n 20	2437MHz	-16.51	8	Pass
802.11n 20	2462MHz	-15.89	8	Pass
802.11n 40	2422MHz	-20.35	8	Pass
802.11n 40	2437MHz	-19.36	8	Pass
802.11n 40	2452MHz	-20.83	8	Pass

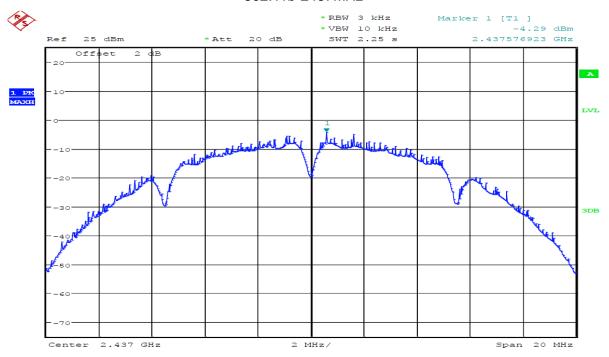


## 5.6 original test data

#### 802.11b-2412MHz



#### 802.11b-2437MHz

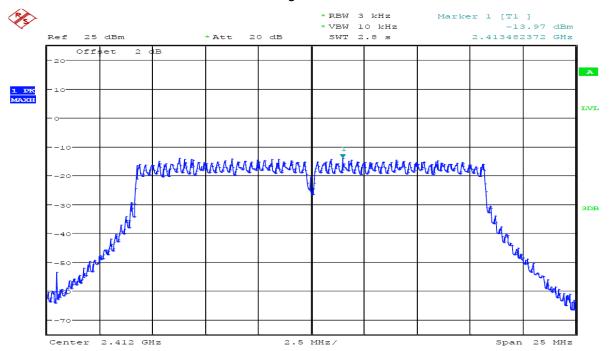




#### 802.11b-2462MHz

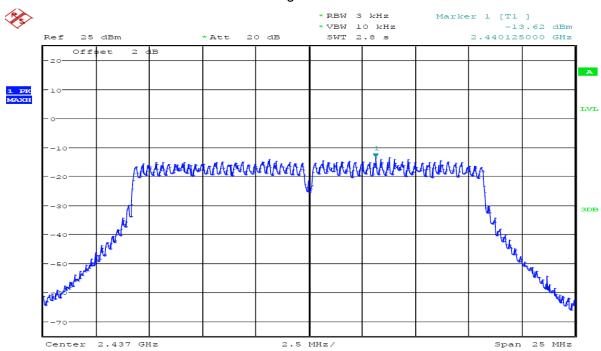


# 802.11g-2412MHz

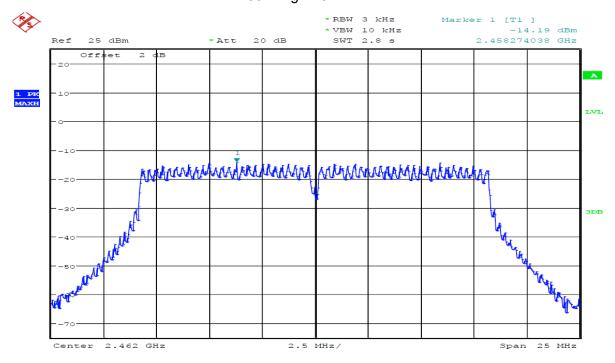




# 802.11g-2437MHz

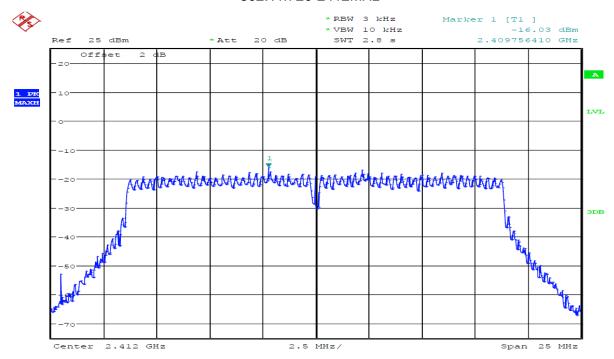


# 802.11g-2462MHz

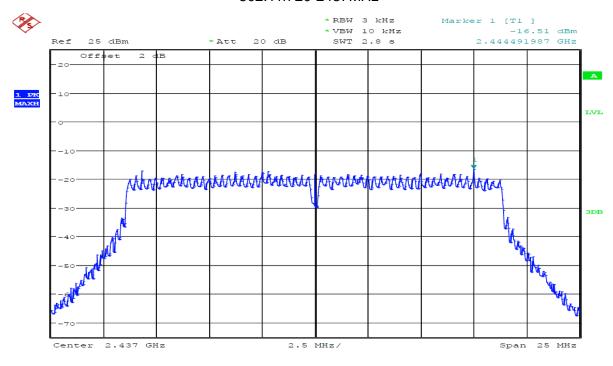




#### 802.11n 20-2412MHz

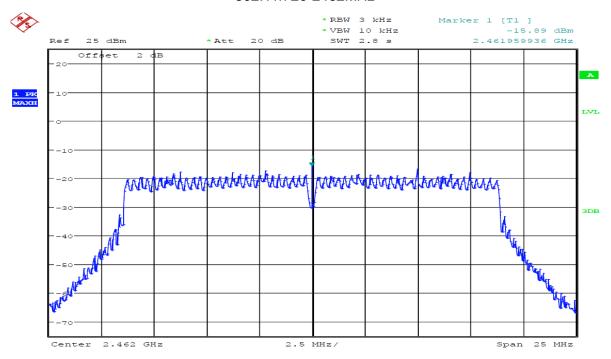


#### 802.11n 20-2437MHz

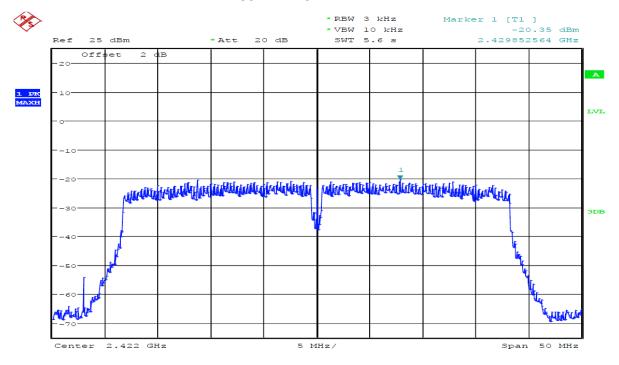




#### 802.11n 20-2462MHz

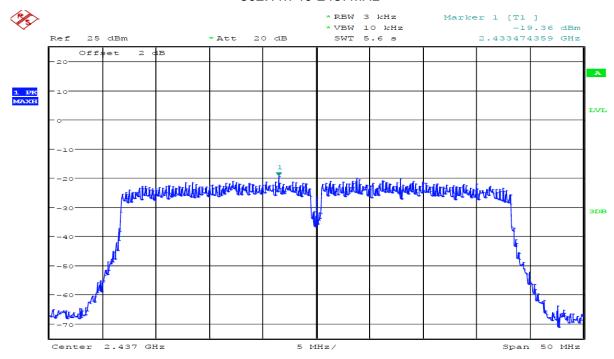


#### 802.11n 40-2422MHz

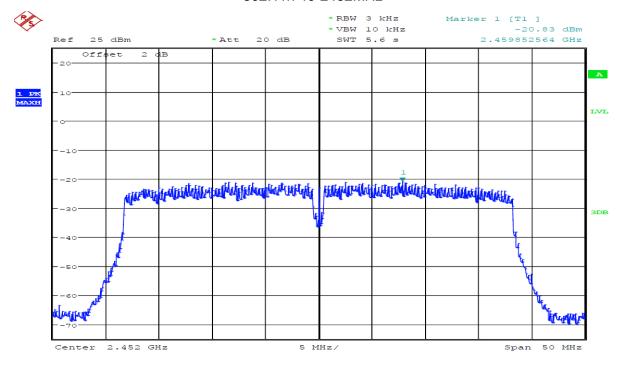




#### 802.11n 40-2437MHz



#### 802.11n 40-2452MHz





# 6. Band edge and spurious

#### 6.1 LIMIT

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 30dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

#### **6.2 TEST PROCEDURE**

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Establish a reference level by using the following procedure:

Center frequency DTS Channel center

frequency

RBW: 100kHz VBW: 300kHz

Span 1.5times the DTS bandwidth

Detector Mode: Peak
Sweep time: auto

Trace mode Max hold

- (3) Establish Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.
- (4) Set the spectrum analyzer as follows:

RBW: 100kHz VBW: 300kHz

Span Encompass frequency range to be

measured

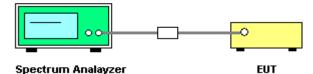
Number of measurement points ≥span/RBW

Detector Mode: Peak
Sweep time: auto

Trace mode Max hold

(5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

## 6.3 TEST SETUP



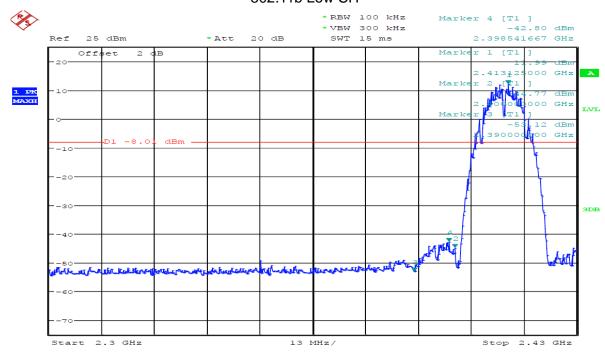


# 6.5 TEST RESULTS

Eut set mode	CH or Frequency	Result
802.11b	CH1	Pass
	CH11	Pass
802.11g	CH1	Pass
	CH11	Pass
802.11n 20	CH1	Pass
	CH11	Pass
000 44 = 40	CH3	Pass
802.11n 40	CH9	Pass

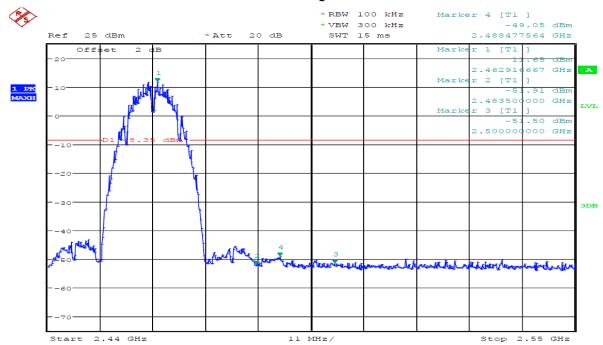
# 6.5 Original test data

## 802.11b Low CH

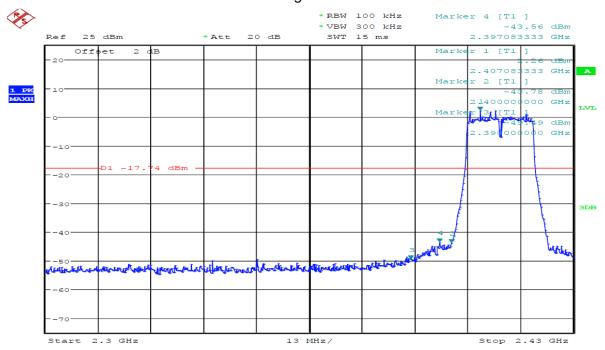




## 802.11b High CH

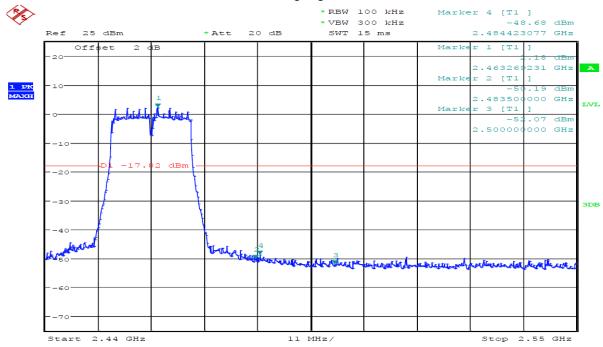


# 802.11g low CH

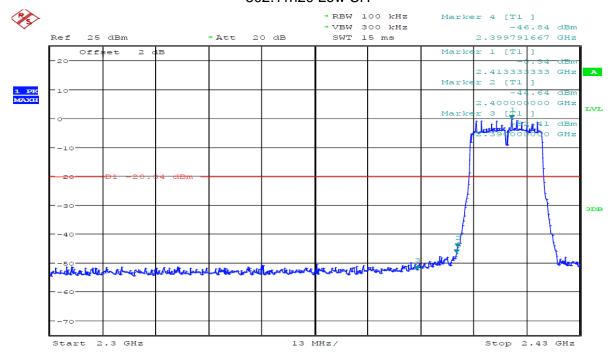




# 802.11g high CH

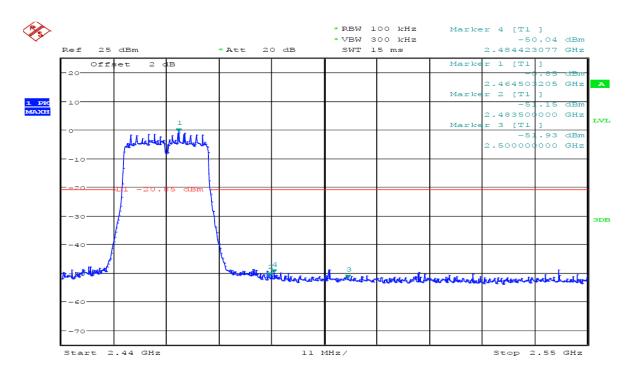


#### 802.11n20 Low CH

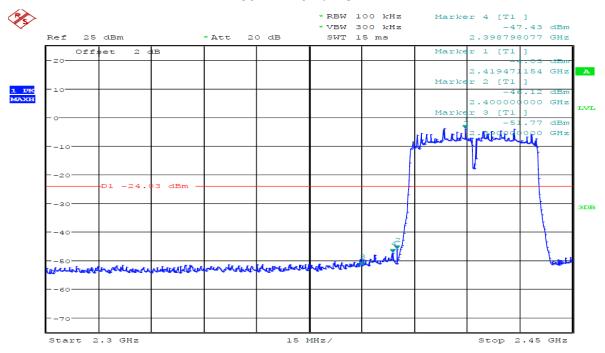




# 802.11n20 High CH

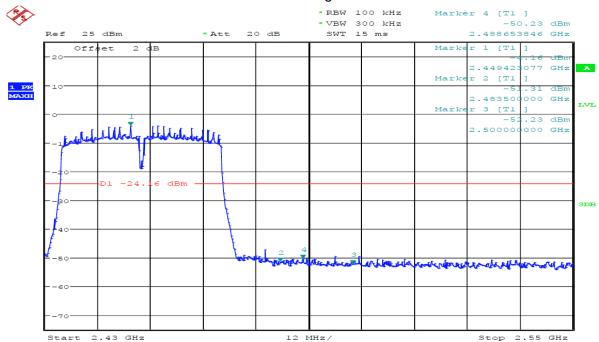


#### 802.11n40 Low CH





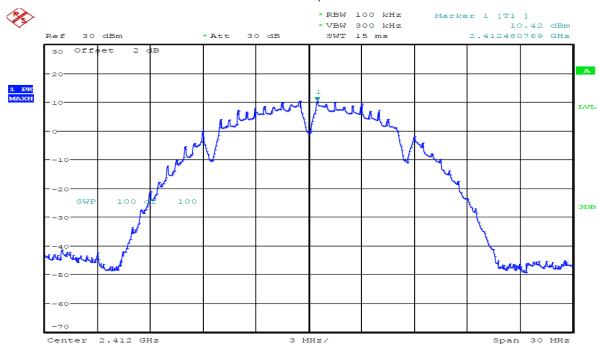
# 802.11n40 High CH



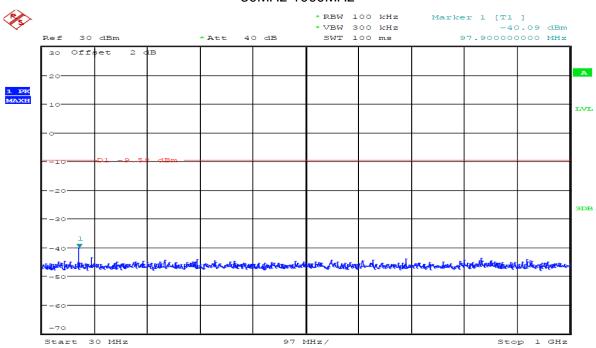


# Spurious emissions (802.11b)

# 802.11b low CH, 2412MHZ

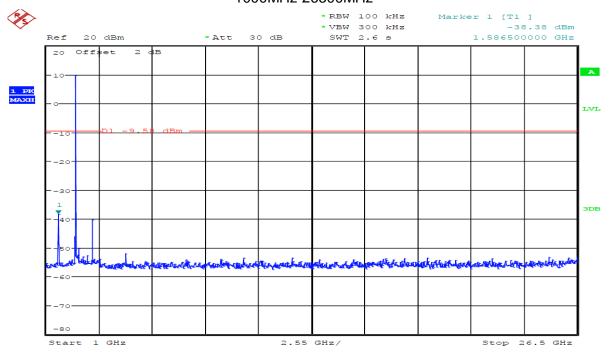


## 30MHz-1000MHz

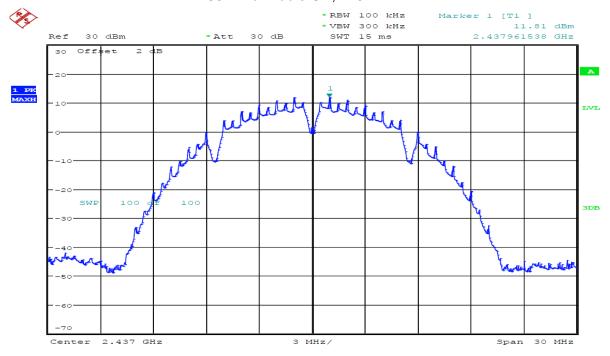




## 1000MHz-26500MHz

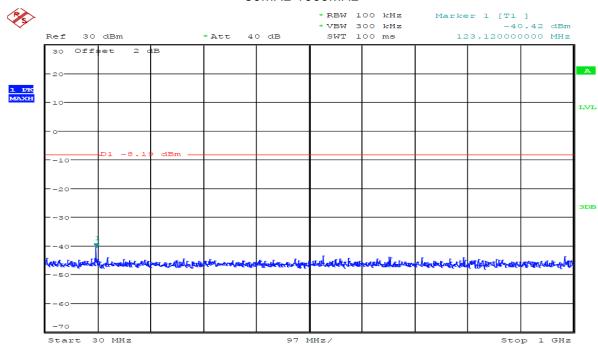


## 802.11b Middle CH, 2437MHz

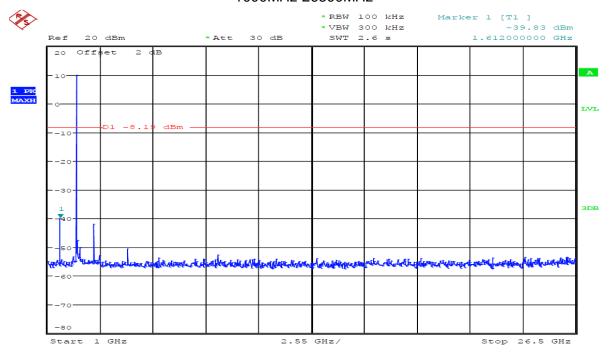




## 30MHz-1000MHz

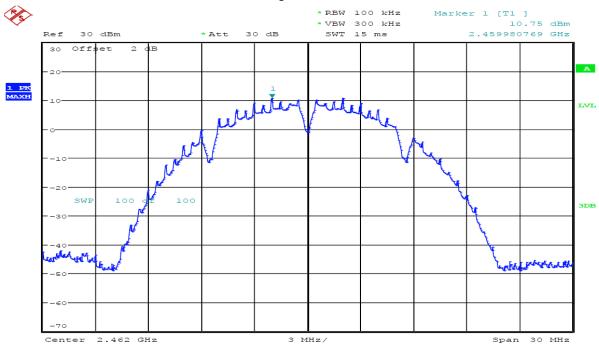


## 1000MHz-26500MHz

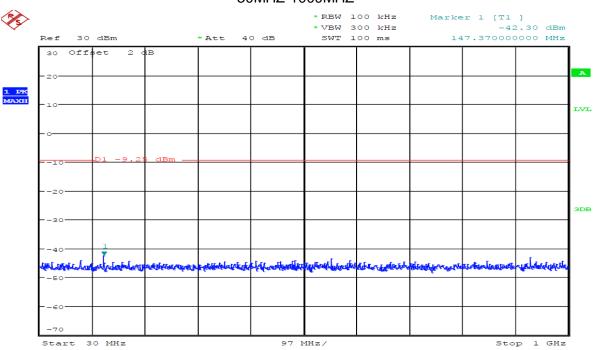




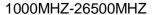
## 802.11b High CH, 2462MHz

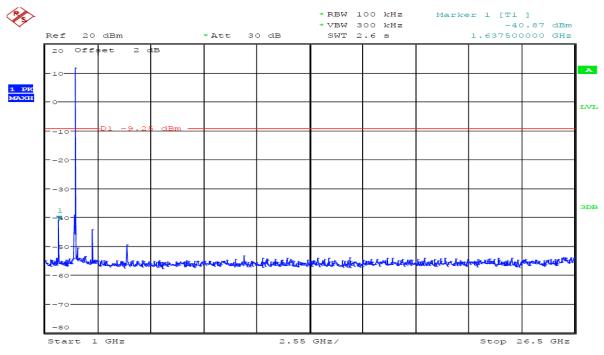


## 30MHZ-1000MHZ



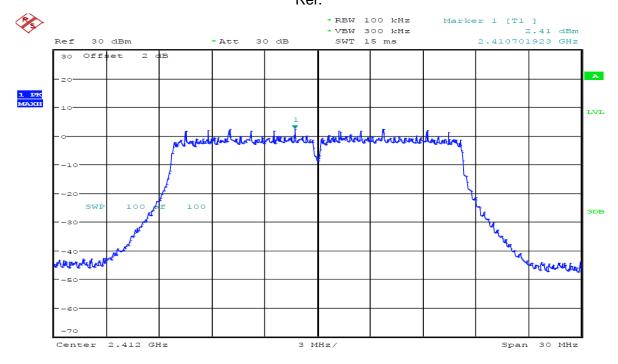






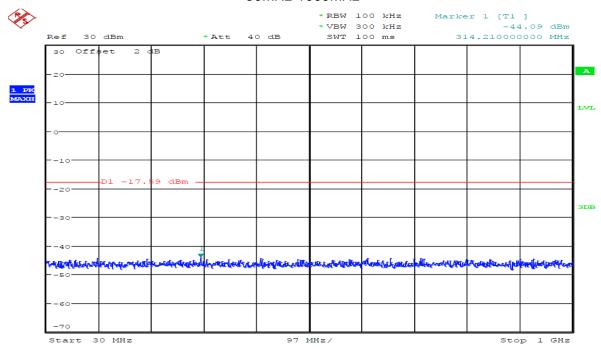
(802.11g)

# 802.11g Low CH, 2412MHz Ref.

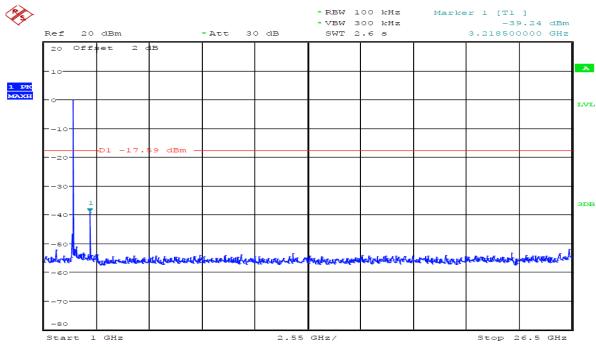




## 30MHz-1000MHz

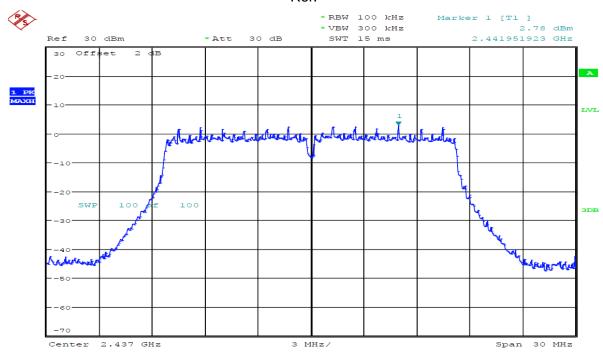


#### 1GHZ-26.5GHZ

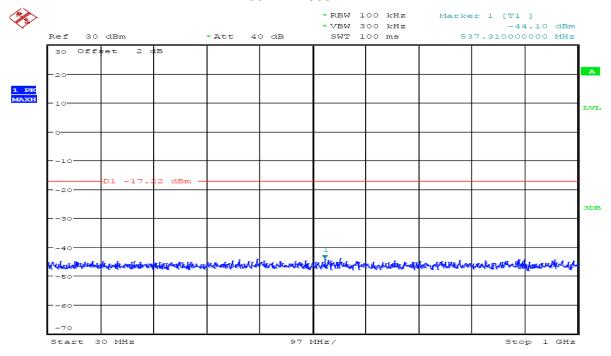




# 802.11g Middle CH, 2437MHz Ref.

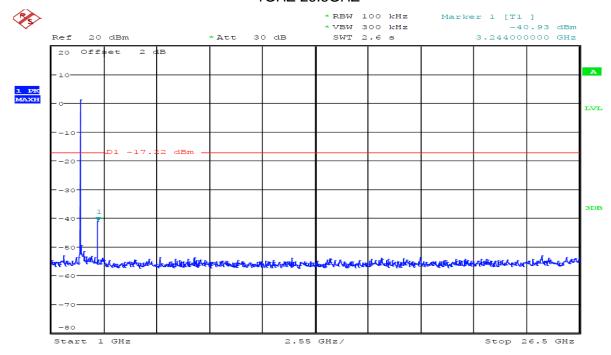


#### 30MHz-1000MHz

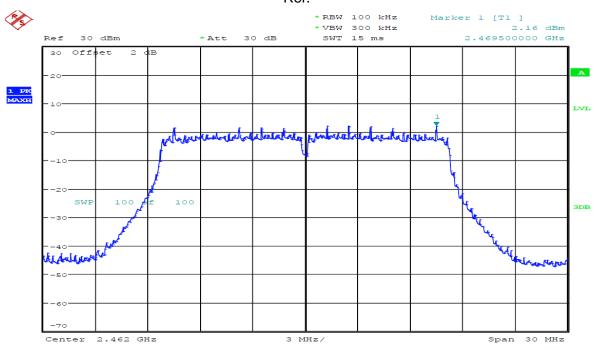






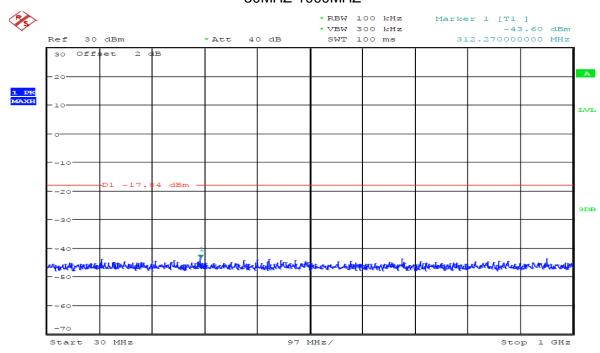


# 802.11g High CH, 2462MHz Ref.

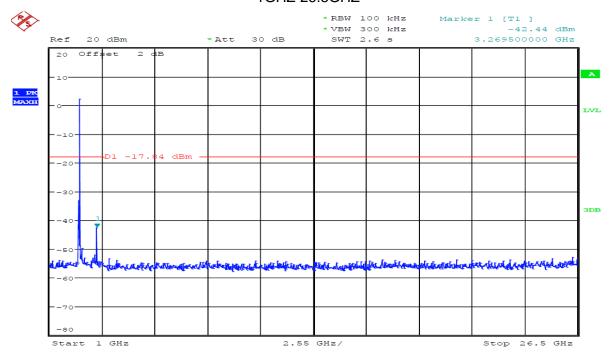




## 30MHZ-1000MHZ

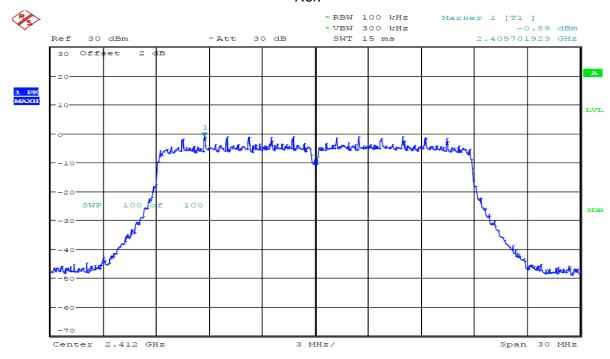


## 1GHZ-26.5GHZ

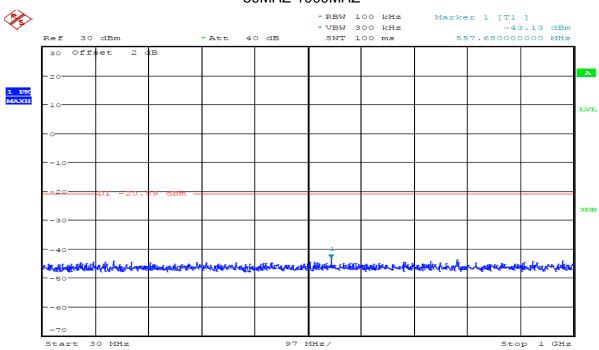




# 802.11n 20 Low CH, 2412MHz Ref.

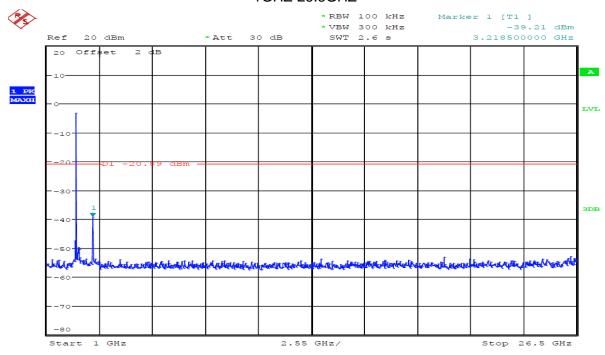


## 30MHZ-1000MHZ

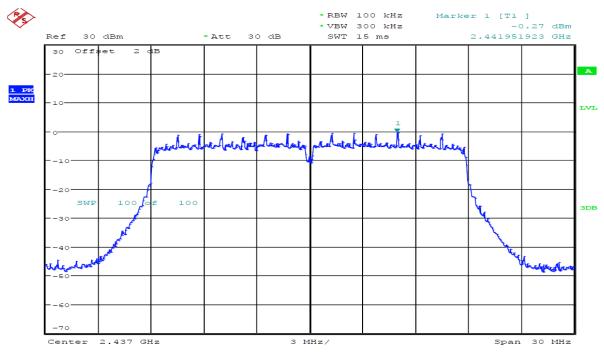






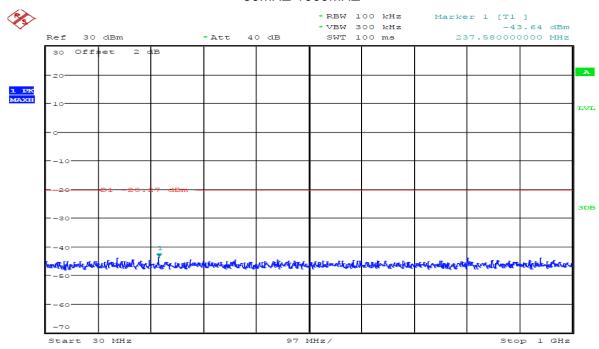


# 802.11n 20 Middle CH, 2437MHz Ref.

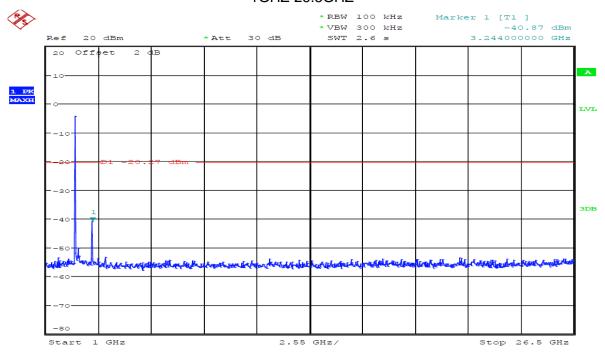




## 30MHZ-1000MHZ

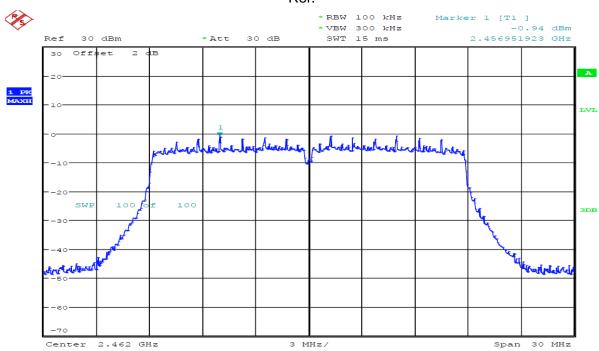


## 1GHZ-26.5GHZ

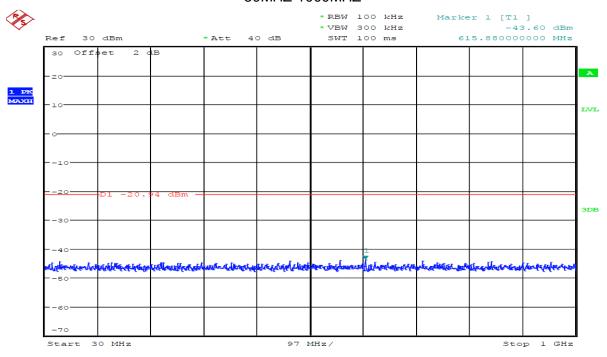




# 802.11n 20 High CH, 2462MHz Ref.

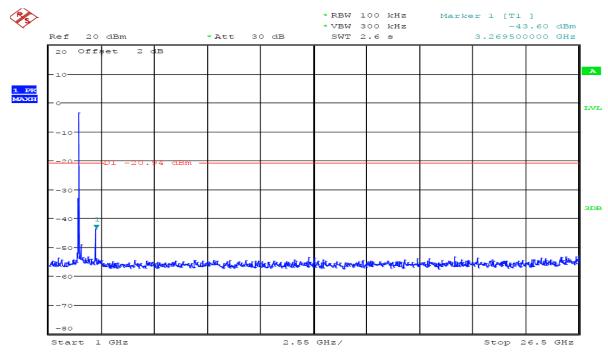


#### 30MHZ-1000MHZ

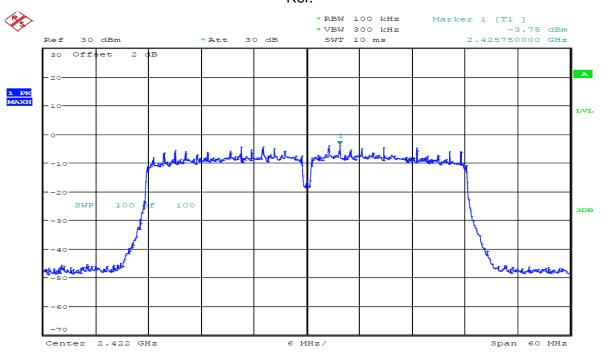




## 1GHZ-26.5GHZ

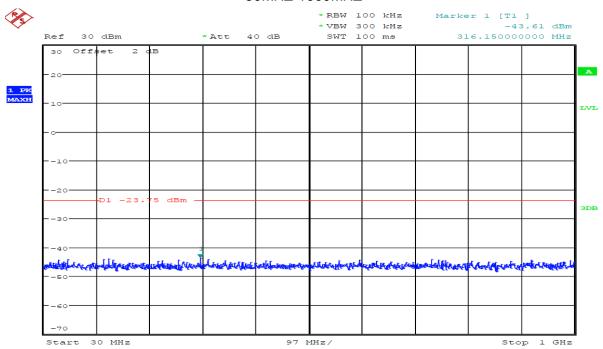


# 802.11n 40 Low CH, 2422MHz Ref.

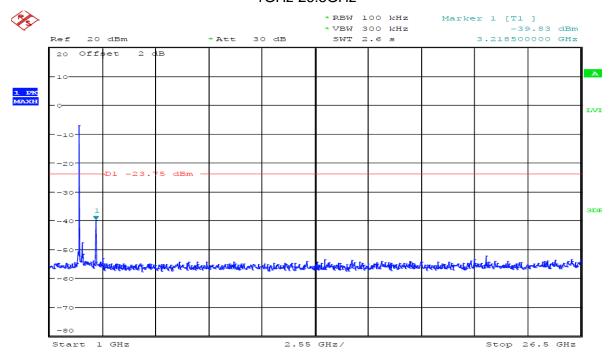




## 30MHZ-1000MHZ

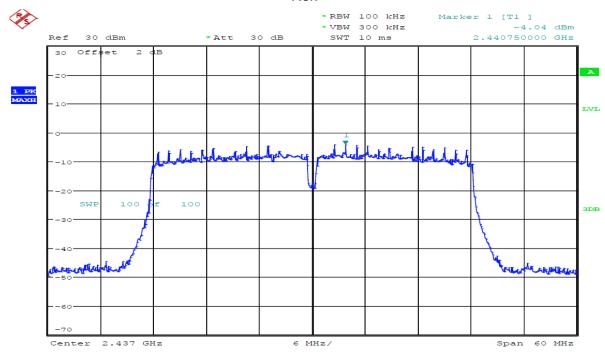


## 1GHz-26.5GHz

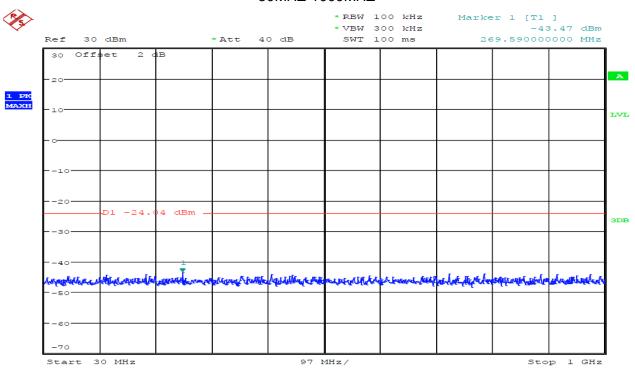




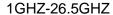
# 802.11n 40 Middle CH, 2437MHz Ref.

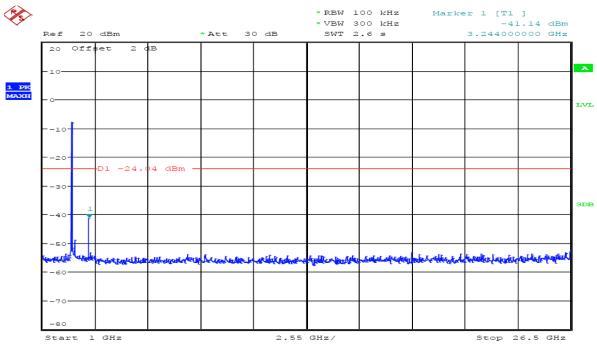


## 30MHZ-1000MHZ

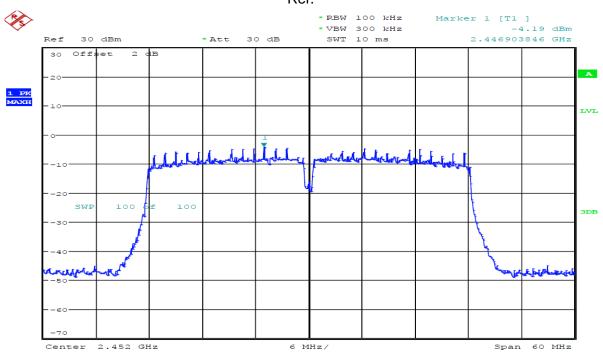






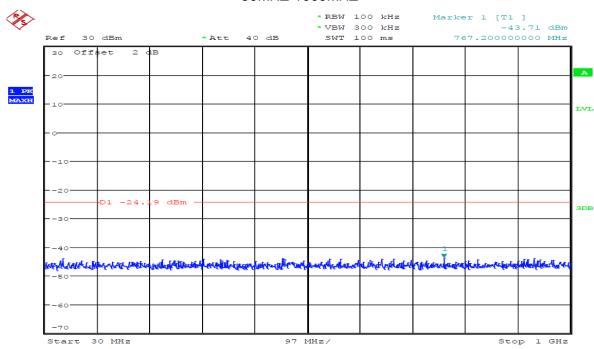


# 802.11n 40 High CH, 2452MHz Ref.

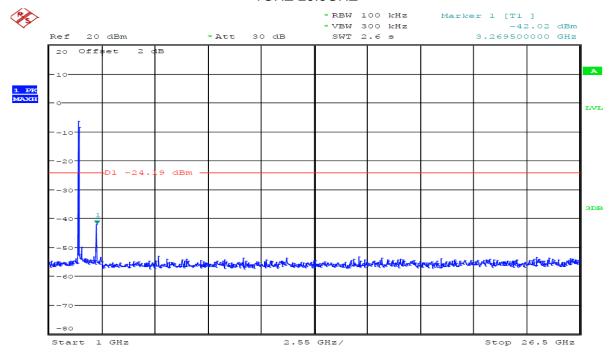




## 30MHZ-1000MHZ



#### 1GHZ-26.5GHZ





Report No.: FCS202106007W02

## 7 RADIATED EMISSION MEASUREMENT

#### 7.1 RADIATED EMISSION LIMITS

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205(a)&209(a) limit in the table and according to ANSI C63.10-2013 below has to be followed

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(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

## LIMITS OF RADIATED EMISSION MEASUREMENT (1GHz-25 GHz)

EDEOLIENCY (MU-)	(dBuV/m) (at 3M)			
FREQUENCY (MHz)	PEAK	AVERAGE		
Above 1000	74	54		

#### Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

#### For Radiated Emission

Spectrum Parameter	Setting		
Attenuation	Auto		
Detector	Peak/AV		
Start Frequency	1000 MHz(Peak/AV)		
Stop Frequency	10th carrier hamonic(Peak/AV)		
RB / VB (emission in restricted	DV_1MU> / 1MU> A\/_1 MU> /10 U>		
band)	PK=1MHz / 1MHz, AV=1 MHz /10 Hz		

## For Band edge

Spectrum Parameter	Setting		
Detector	Peak/AV		
Start/Stan Eraguanay	Lower Band Edge: 2300 to 2403 MHz		
Start/Stop Frequency	Upper Band Edge: 2479 to 2500 MHz		
RB / VB (emission in restricted band)	PK=1MHz / 1MHz, AV=1 MHz / 10 Hz		



Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

#### 7.2 TEST PROCEDURE

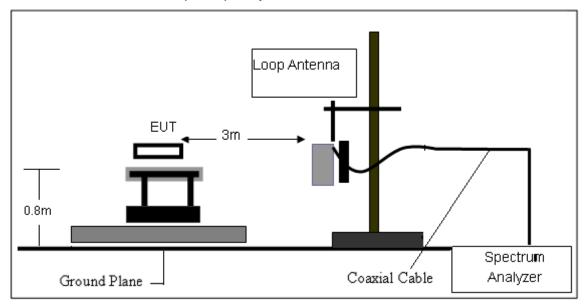
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meters (above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment shall be 0.8 m(above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then QuasiPeak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

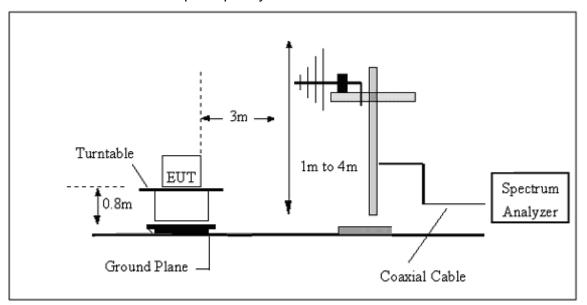


# 7.3 TESTSETUP

# (A) Radiated Emission Test-Up Frequency Below 30MHz

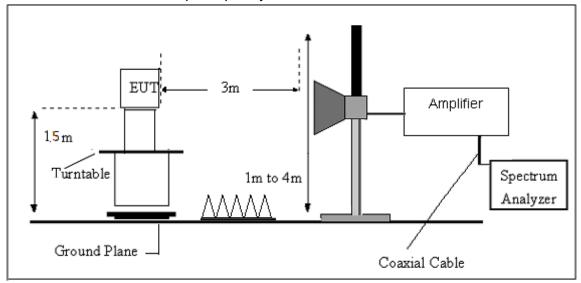


# (B) Radiated Emission Test-Up Frequency 30MHz~1GHz





# (C) Radiated Emission Test-Up Frequency Above 1GHz





Report No.: FCS202106007W02

## 7.4. TEST RESULTS

## (9KHz-30MHz)

Temperature:	<b>22.7</b> ℃	Relative Humidity:	61%	
Test Voltage:	AC 120V/60HZ	Test Mode:	802.11 b(worst)	

Freq.	Reading	Limit	Margin	State	Toot Dooult
(MHz)	(MHz) (dBuV/m)		(dB)	P/F	Test Result
					PASS
					PASS

#### Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

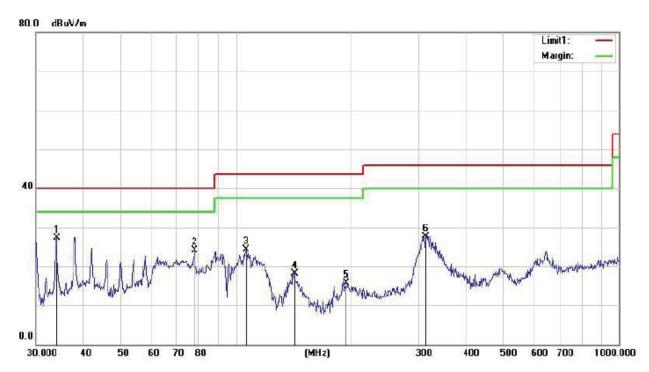
Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits (dBuv) + distance extrapolation factor.



# (30MHz-1000MHz)

Temperature:	24.7℃	Relative Humidity:	61%
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	802.11 b(worst)		



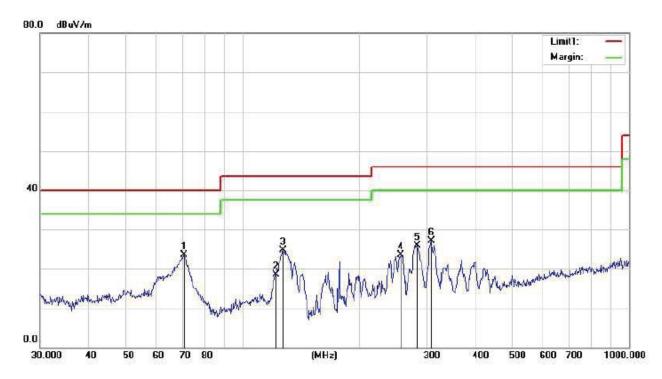
No.	Frequency	Reading	ading Correct Res		Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dB/m) (dBuV/m) (dBuV/m)		(dB)	
1	34.0365	67.56	-40.24	27.32	40.00	-12.68	QP
2	77.8654	64.43	-40.24	24.19	40.00	-15.81	QP
3	106.3850	64.63	-40.24	24.39	43.50	-19.11	QP
4	142.3243	58.44	-40.24	18.20	43.50	-25.30	QP
5	193.7728	56.00	-40.24	15.76	43.50	-27.74	QP
6	312.1794	68.02	-40.24	27.78	46.00	-18.22	QP

## Remark:

1. Margin = Result (Result = Reading + Factor )-Limit



Temperature:	22.7°C	Relative Humidity:	61%
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	802.11 b(worst)		



No.	Frequency	Reading	ading Correct Result		Limit Margin		Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	70.5836	44.12	-20.53	23.59	40.00	-16.41	QP
2	122.4040	39.40	-20.98	18.42	43.50	-25.08	QP
3	127.2176	46.45	-21.65	24.80	43.50	-18.70	QP
4	256.5211	40.99	-17.52	23.47	46.00	-22.53	QP
5	282.9852	42.44	-16.62	25.82	46.00	-20.18	QP
6	307.8313	42.95	-15.87	27.08	46.00	-18.92	QP

## Remark:

1. Margin = Result (Result = Reading + Factor )-Limit



## (1GHz~25GHz) Restricted band and Spurious emission Requirements

Freq	Read	Antenna	PRM	Cable	Result	Limit	Margin	Detector	Polarization
(MHz)	level	Factor	Factor(dB)	Loss	Level	(dBµV/m)	(dB)	type	
	(dBµV)	(dB/m)		(dB)	(dBµV/m)				
11b CH1									
4859.00	48.02	34.77	43.88	7.44	46.35	74.00	-27.65	Peak	HORIZONTAL
6219.00	46.83	35.70	43.27	8.24	47.50	74.00	-26.50	Peak	HORIZONTAL
7511.00	46.25	37.00	43.65	8.79	48.39	74.00	-25.61	Peak	HORIZONTAL
8378.00	45.76	37.28	43.91	9.66	48.79	74.00	-25.21	Peak	HORIZONTAL
8871.00	46.54	37.45	44.06	10.22	50.15	74.00	-23.85	Peak	HORIZONTAL
10044.00	46.63	38.23	44.39	10.90	51.37	74.00	-22.63	Peak	HORIZONTAL
4689.00	47.99	34.50	43.99	7.27	45.77	74.00	-28.23	Peak	VERTICAL
5726.00	47.93	35.59	43.36	8.04	48.20	74.00	-25.80	Peak	VERTICAL
7324.00	47.58	36.93	43.60	8.62	49.53	74.00	-24.47	Peak	VERTICAL
8837.00	46.00	37.43	44.05	10.18	49.56	74.00	-24.44	Peak	VERTICAL
9908.00	47.18	38.11	44.37	10.84	51.76	74.00	-22.24	Peak	VERTICAL
11302.00	47.13	38.68	44.20	11.03	52.64	74.00	-21.36	Peak	VERTICAL
11b CH6									
4451.00	47.49	34.03	44.13	7.03	44.42	74.00	-29.58	Peak	HORIZONTAL
5471.00	48.27	35.47	43.52	7.88	48.10	74.00	-25.90	Peak	HORIZONTAL
6865.00	47.54	36.50	43.46	8.31	48.89	74.00	-25.11	Peak	HORIZONTAL
7528.00	46.45	37.01	43.66	8.81	48.61	74.00	-25.39	Peak	HORIZONTAL
8956.00	46.98	37.48	44.09	10.32	50.69	74.00	-23.31	Peak	HORIZONTAL
9857.00	47.24	38.06	44.36	10.82	51.76	74.00	-22.24	Peak	HORIZONTAL
4604.00	48.72	34.37	44.04	7.18	46.23	74.00	-27.77	Peak	VERTICAL
5675.00	47.79	35.57	43.40	8.01	47.97	74.00	-26.03	Peak	VERTICAL
6185.00	47.53	35.70	43.26	8.23	48.20	74.00	-25.80	Peak	VERTICAL
7528.00	46.45	37.01	43.66	8.81	48.61	74.00	-25.39	Peak	VERTICAL
8531.00	46.24	37.31	43.96	9.84	49.43	74.00	-24.57	Peak	VERTICAL
9398.00	46.81	37.66	44.22	10.58	50.83	74.00	-23.17	Peak	VERTICAL
11b CH11		-			-	-		-	-
4247.00	47.24	33.34	44.25	6.83	43.16	74.00	-30.84	Peak	HORIZONTAL
5471.00	47.91	35.47	43.52	7.88	47.74	74.00	-26.26	Peak	HORIZONTAL
6610.00	46.39	35.94	43.38	8.28	47.23	74.00	-26.77	Peak	HORIZONTAL
7443.00	46.96	36.98	43.63	8.73	49.04	74.00	-24.96	Peak	HORIZONTAL
8837.00	45.79	37.43	44.05	10.18	49.35	74.00	-24.65	Peak	HORIZONTAL
9891.00	46.08	38.09	44.37	10.83	50.63	74.00	-23.37	Peak	HORIZONTAL
3635.00	48.70	32.06	44.38	6.29	42.67	74.00	-31.33	Peak	VERTICAL
5250.00	47.22	35.25	43.65	7.74	46.56	74.00	-27.44	Peak	VERTICAL
6185.00	47.06	35.70	43.26	8.23	47.73	74.00	-26.27	Peak	VERTICAL
7409.00	46.57	36.96	43.62	8.70	48.61	74.00	-25.39	Peak	VERTICAL
8327.00	45.96	37.27	43.90	9.60	48.93	74.00	-25.07	Peak	VERTICAL
9789.00	45.93	37.99	44.34	10.78	50.36	74.00	-23.64	Peak	VERTICAL

#### Remark:

<sup>1.</sup>Factor = Antenna Factor + Cable Loss – Pre-amplifier.

<sup>2.</sup>Scan with 802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40), the worst case is 802.11b.Emission Level = Reading + FactorMargin = Limit - Emission Leve

<sup>3.</sup> The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise

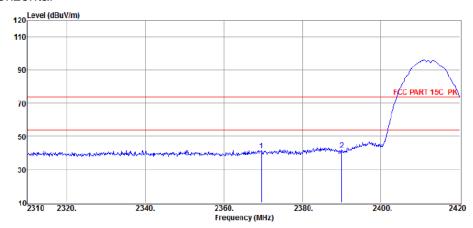


## Radiated Band Edge data

Remark: All restriction band have been tested, and only the worst case is shown in report

#### 802.11 b low CH

## Horizontal

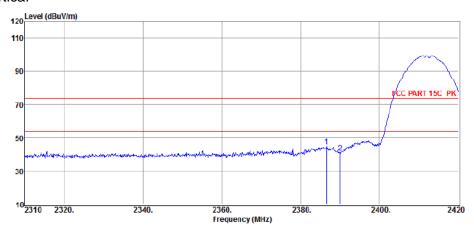


Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2369.51	53.73	26.93	44.32	5.09	41.43	74.00	-32.57	Peak	HORIZONTAL
2	2389.97	54.08	27.00	44.32	5.11	41.87	74.00	-32.13	Peak	HORIZONTAL

- $2. \ If \ Peak \ Result \ complies \ with \ AV \ limit, \ AV \ Result \ is \ deemed \ to \ comply \ with \ AV \ limit.$
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## Vertical



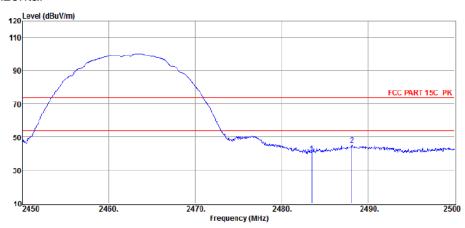
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2386.56	56.99	26.99	44.32	5.11	44.77	74.00	-29.23	Peak	VERTICAL
2	2389.97	53.17	27.00	44.32	5.11	40.96	74.00	-33.04	Peak	VERTICAL

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



# 802.11 b High CH

## Horizontal



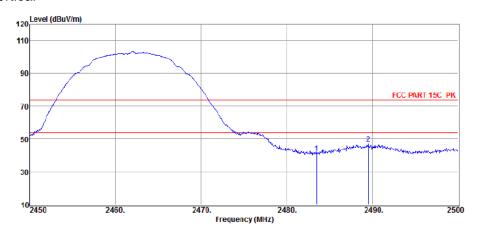
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2483.50	52.12	27.34	44.32	5.21	40.35	74.00	-33.65	Peak	HORIZONTAL
2	2488.15	56.76	27.36	44.32	5.22	45.02	74.00	-28.98	Peak	HORIZONTAL

 $<sup>2. \</sup> If \ Peak \ Result \ complies \ with \ AV \ limit, \ AV \ Result \ is \ deemed \ to \ comply \ with \ AV \ limit.$ 

<sup>3.</sup> Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## Vertical



Item	Freq.	Read	Antenna	PRM	Cable	Result	Limit	Over	Detector	Polarization
		Level	Factor	Factor	Loss	Level	Line	Limit		
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2483.50	53.16	27.34	44.32	5.21	41.39	74.00	-32.61	Peak	VERTICAL
2	2489.55	58.95	27.36	44.32	5.22	47.21	74.00	-26.79	Peak	VERTICAL

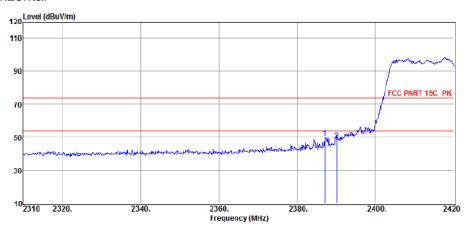
<sup>2.</sup> If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

<sup>3.</sup> Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



# 802.11 g Low CH

## Horizontal

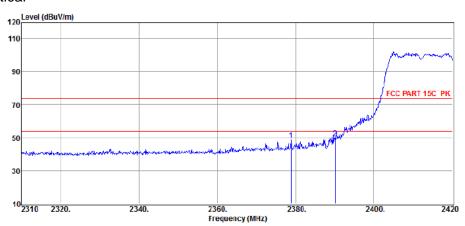


Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2387.00	61.76	26.99	44.32	5.11	49.54	74.00	-24.46	Peak	HORIZONTAL
2	2390.00	60.54	27.00	44.32	5.11	48.33	74.00	-25.67	Peak	HORIZONTAL

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## Vertical

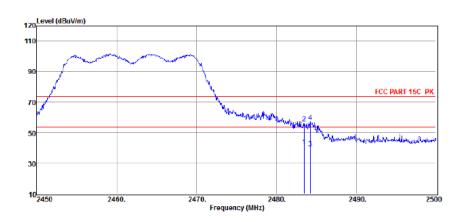


Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2378.75	60.86	26.96	44.32	5.10	48.60	74.00	-25.40	Peak	VERTICAL
2	2390.00	61.88	27.00	44.32	5.11	49.67	74.00	-24.33	Peak	VERTICAL

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



# 802.11 g High CH Horizontal



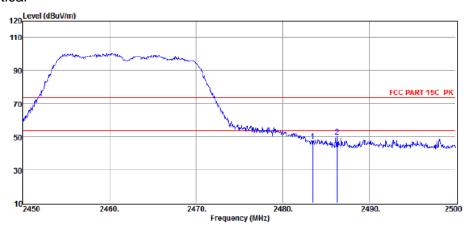
Item	Freq.	Read	Antenna	PRM	Cable	Result	Limit	Over	Detector	Polarization
		Level	Factor	Factor	Loss	Level	Line	Limit		
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµ∀/m )	(dBµ∨ /m)	(dB)		
1	2483.50	52.65	27.34	44.32	5.21	40.88	54.00	-13.12	Average	HORIZONTAL
2	2483.50	67.78	27.34	44.32	5.21	56.01	74.00	-17.99	Peak	HORIZONTAL
3	2484.25	51.49	27.34	44.32	5.21	39.72	54.00	-14.28	Average	HORIZONTAL
4	2484.25	69.00	27.34	44.32	5.21	57.23	74.00	-16.77	Peak	HORIZONTAL

<sup>2.</sup> If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

<sup>3.</sup> Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## Vertical



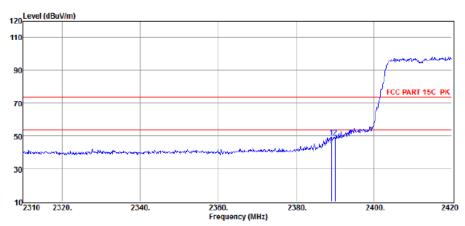
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2483.50	59.31	27.34	44.32	5.21	47.54	74.00	-26.46	Peak	VERTICAL
2	2486.30	61.81	27.35	44.32	5.21	50.05	74.00	-23.95	Peak	VERTICAL

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## 802.11 N 20 Low CH

#### Horizontal

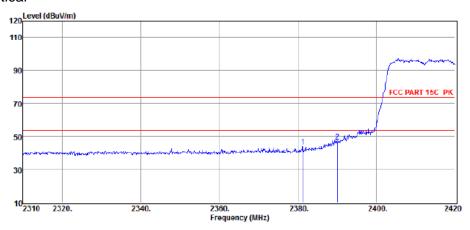


Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµ∨/m )	(dBµV /m)	(dB)		
1	2389.09	61.48	27.00	44.32	5.11	49.27	74.00	-24.73	Peak	HORIZONTAL
2	2390.00	61.47	27.00	44.32	5.11	49.26	74.00	-24.74	Peak	HORIZONTAL

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## Vertical



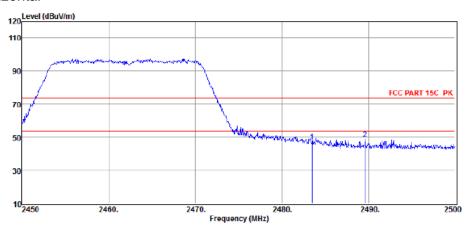
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2381.17	56.14	26.97	44.32	5.10	43.89	74.00	-30.11	Peak	VERTICAL
2	2390.00	59.31	27.00	44.32	5.11	47.10	74.00	-26.90	Peak	VERTICAL

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



# 802.11 N 20 High CH

#### Horizontal



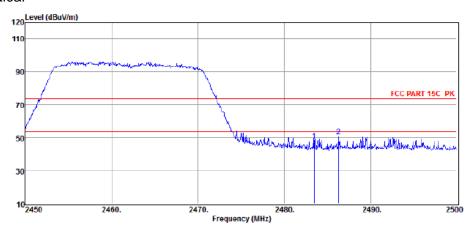
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2483.50	59.05	27.34	44.32	5.21	47.28	74.00	-26.72	Peak	HORIZONTAL
2	2489.60	60.51	27.36	44.32	5.22	48.77	74.00	-25.23	Peak	HORIZONTAL

<sup>2.</sup> If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

<sup>3.</sup> Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## Vertical



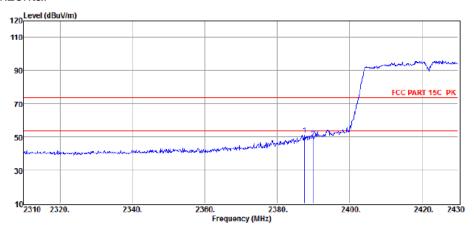
Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2483.50	60.03	27.34	44.32	5.21	48.26	74.00	-25.74	Peak	VERTICAL
2	2486.30	62.73	27.35	44.32	5.21	50.97	74.00	-23.03	Peak	VERTICAL

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## 802.11 N 40 Low CH

#### Horizontal



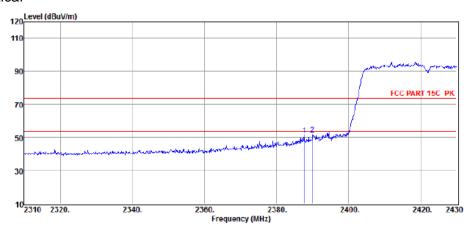
Item	Freq.	Read	Antenna	PRM	Cable	Result	Limit	Over	Detector	Polarization
		Level	Factor	Factor	Loss	Level	Line	Limit		
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµ∀/m )	(dBµV /m)	(dB)		
1	2387.52	63.52	27.00	44.32	5.11	51.31	74.00	-22.69	Peak	HORIZONTAL
2	2390.00	61.64	27.00	44.32	5.11	49.43	74.00	-24.57	Peak	HORIZONTAL

<sup>2.</sup> If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

<sup>3.</sup> Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## Vertical



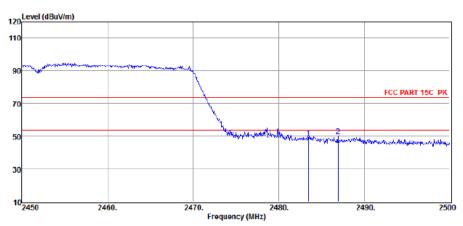
Item	Freq.	Read	Antenna	PRM	Cable	Result	Limit	Over	Detector	Polarization
		Level	Factor	Factor	Loss	Level	Line	Limit		
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2387.64	63.64	27.00	44.32	5.11	51.43	74.00	-22.57	Peak	VERTICAL
2	2390.00	64.24	27.00	44.32	5.11	52.03	74.00	-21.97	Peak	VERTICAL

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



# 802.11 N 40 High CH

#### Horizontal

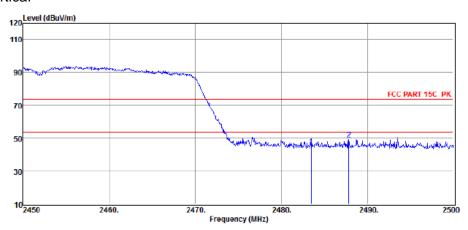


Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµV/m )	(dBµV /m)	(dB)		
1	2483.50	60.60	27.34	44.32	5.21	48.83	74.00	-25.17	Peak	HORIZONTAL
2	2486.95	61.75	27.35	44.32	5.22	50.00	74.00	-24.00	Peak	HORIZONTAL

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## Vertical



Item	Freq.	Read Level	Antenna Factor	PRM Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	dB	(dBµ∀/m )	(dBµ∨ /m)	(dB)		
1	2483.50	56.85	27.34	44.32	5.21	45.08	74.00	-28.92	Peak	VERTICAL
2	2487.85	61.17	27.36	44.32	5.22	49.43	74.00	-24.57	Peak	VERTICAL

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## 8 CONDUCTED EMISSION Test

## 8.1.1 POWER LINE CONDUCTED EMISSION LIMITS

Operating frequency band. In case the emission fall within the restricted band specified on Part 207(a) limit in the table below has to be followed.

	Conducted Emissionlimit (dBuV)					
FREQUENCY (MHz)	Quasi-peak	Average				
0.15 -0.5	66 - 56 *	56 - 46 *				
0.50 -5.0	56.00	46.00				
5.0 -30.0	60.00	50.00				

#### Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

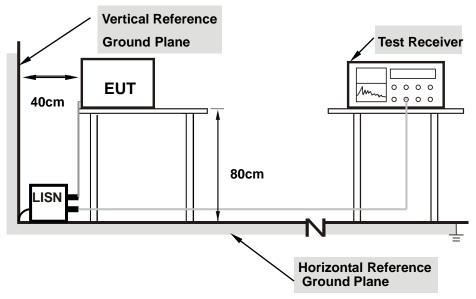
Receiver Parameters	Setting			
Attenuation	10 dB			
Start Frequency	0.15 MHz			
Stop Frequency	30 MHz			
IF Bandwidth	9 kHz			



#### 8.1.2 TEST PROCEDURE

- a. The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

#### 8.1.3 TEST SETUP



Note: 1.Support units were connected to second LISN.

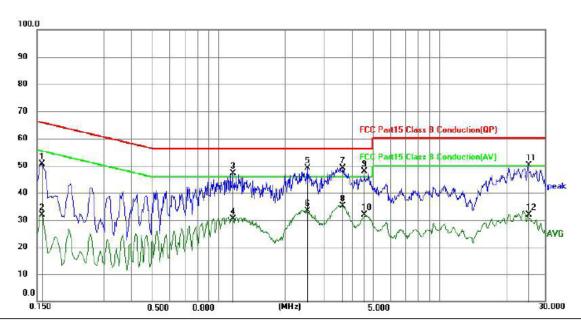
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

#### 8.1.4 TEST RESULT

Temperature:	22.1 °C	Relative Humidity:	56%
Test Voltage:	120V/60HZ by adapter	Phase:	L/N
Test Mode:	802.11 b(worst)		



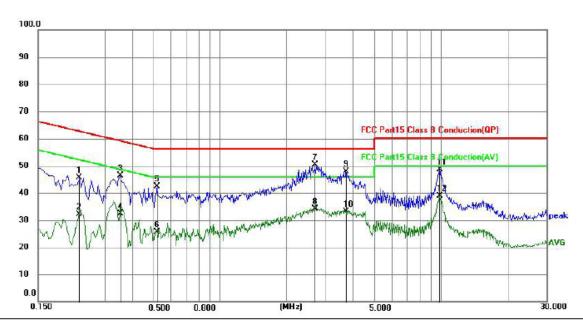
# L-line



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz		dB	dBu∀	dBu∀	dB	Detector	Comment
1	0.1590	40.88	9.78	50.66	65.52	14.86	peak	
2	0.1590	22.02	9.78	31.80	55.52	23.72	AVG	
3	1.1579	36.36	10.71	47.07	56.00	8.93	peak	
4	1.1579	19.61	10.71	30.32	46.00	15.68	AVG	
5 *	2.5215	33.38	15.81	49.19	56.00	6.81	peak	
6	2.5215	17.69	15.81	33.50	46.00	12.50	AVG	
7	3.6600	31.48	17.71	49.19	56.00	6.81	peak	
8	3.6600	17.39	17.71	35.10	46.00	10.90	AVG	
9	4.5734	28.56	19.25	47.81	56.00	8.19	peak	
10	4.5734	12.57	19.25	31.82	46.00	14.18	AVG	
11	25.3050	29.90	20.22	50.12	60.00	9.88	peak	
12	25.3050	11.57	20.22	31.79	50.00	18.21	AVG	



## N-line



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz		dB	dBu∀	dBu∀	dB	Detector	Comment
1	0.2310	35.75	9.80	45.55	62.41	16.86	peak	
2	0.2310	22.37	9.80	32.17	52.41	20.24	AVG	
3	0.3525	36.46	9.84	46.30	58.90	12.60	peak	
4	0.3525	22.60	9.84	32.44	48.90	16.46	AVG	
5	0.5190	32.59	9.87	42.46	56.00	13.54	peak	
6	0.5190	15.66	9.87	25.53	46.00	20.47	AVG	
7 *	2.6970	34.27	16.12	50.39	56.00	5.61	peak	
8	2.6970	17.98	16.12	34.10	46.00	11.90	AVG	
9	3.7005	29.96	17.81	47.77	56.00	8.23	peak	
10	3.7005	15.33	17.81	33.14	46.00	12.86	AVG	
11	9.9105	28.37	20.19	48.56	60.00	11.44	peak	
12	9.9105	18.73	20.19	38.92	50.00	11.08	AVG	



#### 9. ANTENNA REQUIREMENT

#### 9.1 STANDARD REQUIREMENT

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

## 9.2 RESULT

The antennas used for this product are PIFA antenna and no other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 1.0dBi.

\* \* \* \* \* END OF THE REPORT \* \* \* \* \*