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FCC TEST REPORT (15.247: WLAN)

REPORT NO.: RF120903C21
MODEL NO.: MC40N0
FCC ID: UZ7MC40N0
RECEIVED: Jul. 20, 2012
TESTED: Jul. 28 ~ Aug. 30, 2012
ISSUED: Sep. 17, 2012

APPLICANT: Motorola Solutions, Inc.

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ISSUED BY: Bureau Veritas Consumer Products Services
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF120903C21	Original release	Sep. 17, 2012



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1. CERTIFICATION

PRODUCT: Mobile Computer

MODEL NO.: MC40N0

BRAND: Motorola

APPLICANT: Motorola Solutions, Inc.

TESTED: Jul. 28 ~ Aug. 30, 2012

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: FCC Part 15, Subpart C (Section 15.247)

ANSI C63.10-2009

The above equipment (model: MC40N0) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Polly Chien , **DATE :** Sep. 17, 2012
Polly Chien / Specialist

APPROVED BY : Gary Chang , **DATE :** Sep. 17, 2012
Gary Chang / Technical Manager

2. 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	RESULT	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -5.92dB at 0.30837MHz.
15.247(d) 15.209	Radiated Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -1.0dB at 2390.00MHz.
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 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.

2.1 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
Conducted emissions	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	2.93 dB
	200MHz ~1000MHz	2.95 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

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

EUT	Mobile Computer
MODEL NO.	MC40N0
POWER SUPPLY	5Vdc (adapter or host equipment) 3.7Vdc (Li-ion battery)
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
MODULATION TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11b:11.0/ 5.5/ 2.0/ 1.0Mbps 802.11g: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 72.2Mbps
OPERATING FREQUENCY	2.4GHz: 2412 ~ 2472MHz 5.0GHz: 5745 ~ 5825MHz
NUMBER OF CHANNEL	2.4GHz: 13 for 802.11b, 802.11g, 802.11n (20MHz) 5.0GHz: 5 for 802.11a, 802.11n (20MHz)
OUTPUT POWER	245.47mW for 2412 ~ 2472MHz 164.44mW for 5745 ~ 5825MHz
ANTENNA TYPE	Refer to Note as below
ANTENNA CONNECTOR	NA
DATA CABLE	Refer to Note as below
I/O PORTS	Refer to user's manual
ACCESSORY DEVICES	Battery
SW	Android 2.3.4 Build number 9927301-G-0500-0003-00-E2-072312
HW	EV2 (PCBA: 12H00-SD)

NOTE:

- The device is available with or without MSR.
- Antenna gain is listed as table below.

Configuration	Antenna type	Main antenna gain (dBi)		AUX antenna gain (dBi)	
		2.4GHz	5GHz	2.4GHz	5GHz
With MSR	PIFA	1.63	4.08	-0.15	5.44
Without MSR		1.72	4.01	-0.15	5.44



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3. The EUT provides one completed transmitter and two receivers.

MODULATION MODE	TX FUNCTION
802.11b	1TX
802.11g	1TX
802.11a	1TX
802.11n (20MHz)	1TX

4. The following accessories are optional.

Item	Brand	Model	Specification
Adapter	Motorola	IU08-2050120-WP	I/P: 100-240Vac, 50/60Hz, 0.2A O/P: 5Vdc, 1.2A
Earphone	Motorola	NA	1.3m
Micro USB Cable	Motorola	25-MCXUSB-01R	1.5m

5. The EUT uses following battery.

Brand	Motorola
Rating	3.7Vdc, 2680mAh, 9.91Wh

6. The above EUT information is declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

FOR 2.4GHz:

13 channels are provided for 802.11b, 802.11g and 802.11n (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412MHz	8	2447MHz
2	2417MHz	9	2452MHz
3	2422MHz	10	2457MHz
4	2427MHz	11	2462MHz
5	2432MHz	12	2467MHz
6	2437MHz	13	2472MHz
7	2442MHz		

FOR 5.0GHz (5745 ~ 5825MHz):

5 channels are provided for 802.11a, 802.11n (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
149	5745MHz	161	5805MHz
153	5765MHz	165	5825MHz
157	5785MHz		

3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

FOR 2.4GHz:

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTIO	
	RE \geq 1G	RE<1G	PLC	APCM	MSR /ANT.	Power Source
A1	√	√	√	√	with MSR Main Ant.	Power from adapter
A2	-	√	√	-		Power from host equipment
B1	√	√	√	√	without MSR Main Ant.	Power from adapter
B2	-	√	√	-		Power from host equipment
C1	√	√	√	√	without MSR Aux Ant.	Power from adapter
C2	-	√	√	-		Power from host equipment

Where **RE \geq 1G**: Radiated Emission above 1GHz

RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

NOTE 1:

The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane**.

NOTE 2: "-" means no effect.

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 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)
A1, B1, C1	802.11b	1 to 13	1, 6, 11, 12, 13	DSSS	DBPSK	1.0
A1, B1, C1	802.11g	1 to 13	1, 6, 11, 12, 13	OFDM	BPSK	6.0
A1, B1, C1	802.11n (20MHz)	1 to 13	1, 6, 11, 12, 13	OFDM	BPSK	6.5

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 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)
A1, A2	802.11n (20MHz)	1 to 13	6	OFDM	BPSK	6.5
B1, B2	802.11n (20MHz)	1 to 13	11	OFDM	BPSK	6.5
C1, C2	802.11b	1 to 13	1	DSSS	DBPSK	1.0

POWER LINE CONDUCTED EMISSION TEST:

- ☒ 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)
A1, A2	802.11n (20MHz)	1 to 13	6	OFDM	BPSK	6.5
B1, B2	802.11n (20MHz)	1 to 13	11	OFDM	BPSK	6.5
C1, C2	802.11b	1 to 13	1	DSSS	DBPSK	1.0

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)
A1, B1, C1	802.11b	1 to 13	1, 11, 12, 13	DSSS	DBPSK	1.0
A1, B1, C1	802.11g	1 to 13	1, 11, 12, 13	OFDM	BPSK	6.0
A1, B1, C1	802.11n (20MHz)	1 to 13	1, 11, 12, 13	OFDM	BPSK	6.5

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A1, B1, C1	802.11b	1 to 13	1, 6, 11, 12, 13	DSSS	DBPSK	1.0
A1, B1, C1	802.11g	1 to 13	1, 6, 11, 12, 13	OFDM	BPSK	6.0
A1, B1, C1	802.11n (20MHz)	1 to 13	1, 6, 11, 12, 13	OFDM	BPSK	6.5



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TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE \geq 1G	25deg. C, 65%RH	120Vac, 60Hz	Sun Lin, Anderson Hong
RE<1G	25deg. C, 65%RH	120Vac, 60Hz	Anderson Hong
PLC	25deg. C, 65%RH	120Vac, 60Hz	Mark Liao
APCM	23deg. C, 63%RH	120Vac, 60Hz	Felix Soong

FOR 5.0GHz (5745 ~ 5825MHz):

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTIO	
	RE \geq 1G	RE<1G	PLC	APCM	MSR /ANT.	Power Source
A1	√	√	√	√	with MSR Main Ant.	Power from adapter
A2	-	√	√	-		Power from host equipment
B1	√	√	√	√	without MSR Main Ant.	Power from adapter
B2	-	√	√	-		Power from host equipment
C1	√	√	√	√	without MSR Aux Ant.	Power from adapter
C2	-	√	√	-		Power from host equipment

Where **RE \geq 1G**: Radiated Emission above 1GHz

RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

NOTE:

The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane**.

NOTE: "-" means no effect.

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 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)
A1, B1, C1	802.11a	149 to 165	149, 157, 165	OFDM	BPSK	6.0
A1, B1, C1	802.11n (20MHz)	149 to 165	149, 157, 165	OFDM	BPSK	6.5

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 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)
A1, A2, C1, C2	802.11n (20MHz)	149 to 165	149	OFDM	BPSK	6.5
B1, B2	802.11a	149 to 165	157	OFDM	BPSK	6.0

POWER LINE CONDUCTED EMISSION TEST:

- ☒ 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)
A1, A2, C1, C2	802.11n (20MHz)	149 to 165	149	OFDM	BPSK	6.5
B1, B2	802.11a	149 to 165	157	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)
A1, B1, C1	802.11a	149 to 165	149, 165	OFDM	BPSK	6.0
A1, B1, C1	802.11n (20MHz)	149 to 165	149, 165	OFDM	BPSK	6.5

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A1, B1, C1	802.11a	149 to 165	149, 157, 165	OFDM	BPSK	6.0
A1, B1, C1	802.11n (20MHz)	149 to 165	149, 157, 165	OFDM	BPSK	6.5

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE \geq 1G	25deg. C, 65%RH	120Vac, 60Hz	Anderson Hong
RE<1G	25deg. C, 65%RH	120Vac, 60Hz	Anderson Hong
PLC	25deg. C, 65%RH	120Vac, 60Hz	Mark Liao
APCM	23deg. C, 63%RH	120Vac, 60Hz	Felix Soong



3.3 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.

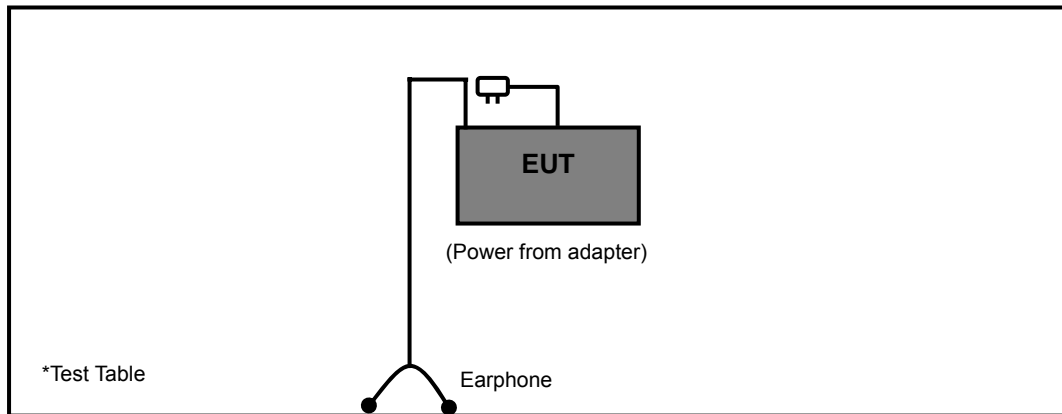
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK	DELL	E5420	33MLMQ1	Fcc DoC Approved
2	EARPHONE	PHILIPS	SBC HL150	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	1.2m audio cable without core

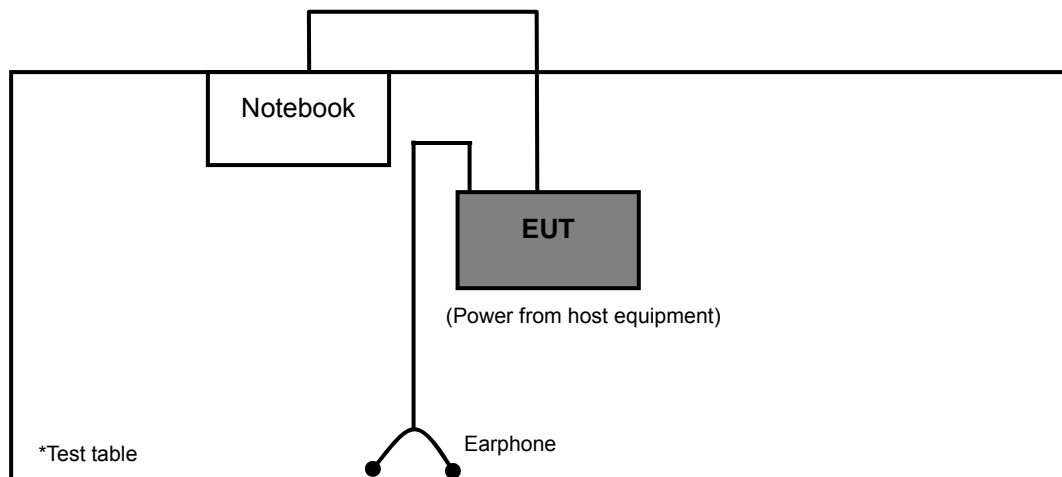
NOTE: All power cords of the above support units are non shielded (1.8m).

3.3.1 CONFIGURATION OF SYSTEM UNDER TEST

**Test Mode A1(With MSR& Main Ant.), B1 (Without MSR & Main Ant.),
C1 (Without MSR & Aux Ant.)**



**Test Mode A2 (With MSR & Main Ant.), B2 (Without MSR & Main Ant.),
C2 (Without MSR & Aux Ant.)**



3.4 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 (15.247)

ANSI C63.10-2009

KDB 558074 D01 DTS Meas Guidance v01

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

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

4. TEST TYPES AND RESULTS (FOR 2.4GHz BAND)

4.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

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. 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

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver Agilent	N9038A	MY51210203	Dec. 22, 2011	Dec. 21, 2012
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 21, 2011	Dec. 20, 2012
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Dec. 20, 2011	Dec. 19, 2012
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-969	Dec. 20, 2011	Dec. 19, 2012
HORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Dec. 20, 2011	Dec. 19, 2012
Loop Antenna	HFH2-Z2	100070	Jan. 31, 2012	Jan. 30, 2014
Preamplifier EMCI	EMC 012645	980115	Dec. 30, 2011	Dec. 29, 2012
Preamplifier EMCI	EMC 330H	980112	Dec. 30, 2011	Dec. 29, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	309219/4	Oct. 21, 2011	Oct. 20, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250130/4	Jan. 02, 2012	Jan. 01, 2013
RF signal cable Worken	RG-213	NA	Jan. 02, 2012	Jan. 01, 2013
Software	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower & Turn Table Controller MF	MF-7802	NA	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	815221	Oct. 29, 2011	Oct. 28, 2012
High Speed Peak Power Meter	ML2495A	0842014	Apr. 28, 2012	Apr. 27, 2013
Power Sensor	MA2411B	0738404	Apr. 28, 2012	Apr. 27, 2013

- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The calibration interval of the loop antenna is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in HwaYa Chamber 9.
4. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
5. The FCC Site Registration No. is 460141.
6. The IC Site Registration No. is IC 7450F-4.

4.1.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters 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. Height of receiving antenna 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. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

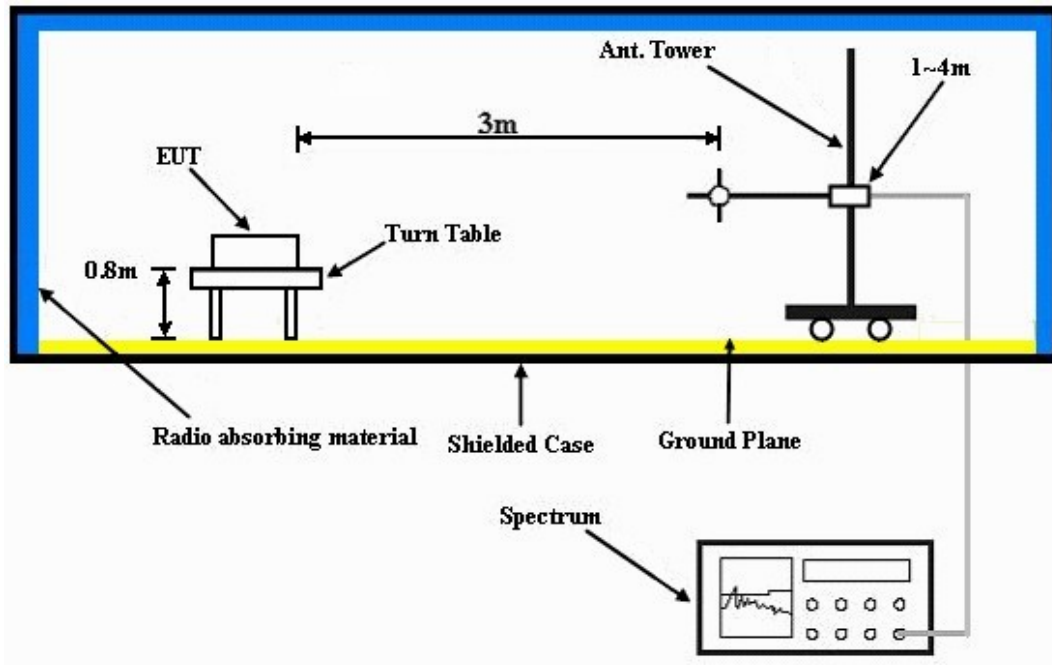
NOTE:

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.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



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

4.1.6 EUT OPERATING CONDITIONS

Test Mode A1 (With MSR & Main Ant.), B1 (Without MSR & Main Ant.), C1 (Without MSR & Aux Ant.)

- Placed the EUT with earphone on testing table.
- Set the EUT under transmission condition continuously at specific channel frequency.

Test Mode A2 (With MSR & Main Ant.), B2 (Without MSR & Main Ant.), C2 (Without MSR & Aux Ant.)

- Connected the EUT to a notebook via USB cable and placed on a testing table.
- The EUT runs a test program (provided by manufacture) to transmit at specific channel.
- The necessary accessories enable the system in full functions.

4.1.7 TEST RESULTS

ABOVE 1GHz WORST-CASE DATA:

Test Mode A1 (With MSR& Main Ant.)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	2390.00	56.7 PK	74.0	-17.3	1.20 H	191	25.30	31.40
2	2390.00	45.6 AV	54.0	-8.4	1.20 H	191	14.20	31.40
3	*2412.00	105.4 PK			1.20 H	191	74.00	31.40
4	*2412.00	101.3 AV			1.20 H	191	69.90	31.40
5	4824.00	47.6 PK	74.0	-26.4	1.05 H	199	10.10	37.50
6	4824.00	40.1 AV	54.0	-13.9	1.05 H	199	2.60	37.50
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	2390.00	53.9 PK	74.0	-20.1	1.00 V	299	22.50	31.40
2	2390.00	43.8 AV	54.0	-10.2	1.00 V	299	12.40	31.40
3	*2412.00	93.3 PK			1.00 V	299	61.90	31.40
4	*2412.00	89.4 AV			1.00 V	299	58.00	31.40
5	4824.00	48.3 PK	74.0	-25.7	1.00 V	198	10.80	37.50
6	4824.00	40.6 AV	54.0	-13.4	1.00 V	198	3.10	37.50

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	105.3 PK			1.18 H	19	73.80	31.50
2	*2437.00	101.2 AV			1.18 H	19	69.70	31.50
3	4874.00	45.3 PK	74.0	-28.7	1.04 H	42	7.70	37.60
4	4874.00	35.8 AV	54.0	-18.2	1.04 H	42	-1.80	37.60
5	7311.00	51.4 PK	74.0	-22.6	1.08 H	322	7.70	43.70
6	7311.00	40.3 AV	54.0	-13.7	1.08 H	322	-3.40	43.70
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	*2437.00	93.1 PK			1.09 V	251	61.60	31.50
2	*2437.00	89.2 AV			1.09 V	251	57.70	31.50
3	4874.00	47.5 PK	74.0	-26.5	1.05 V	196	9.90	37.60
4	4874.00	40.6 AV	54.0	-13.4	1.05 V	196	3.00	37.60
5	7311.00	49.5 PK	74.0	-24.5	1.28 V	151	5.80	43.70
6	7311.00	38.3 AV	54.0	-15.7	1.28 V	151	-5.40	43.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	105.7 PK			1.18 H	24	74.10	31.60
2	*2462.00	101.4 AV			1.18 H	24	69.80	31.60
3	2483.50	60.3 PK	74.0	-13.7	1.18 H	24	28.60	31.70
4	2483.50	52.7 AV	54.0	-1.3	1.18 H	24	21.00	31.70
5	4924.00	46.8 PK	74.0	-27.2	1.27 H	38	9.10	37.70
6	4924.00	39.2 AV	54.0	-14.8	1.27 H	38	1.50	37.70
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	*2462.00	92.5 PK			1.05 V	247	60.90	31.60
2	*2462.00	89.1 AV			1.05 V	247	57.50	31.60
3	2483.50	54.7 PK	74.0	-19.3	1.05 V	247	23.00	31.70
4	2483.50	46.2 AV	54.0	-7.8	1.05 V	247	14.50	31.70
5	4924.00	46.3 PK	74.0	-27.7	1.08 V	223	8.60	37.70
6	4924.00	39.5 AV	54.0	-14.5	1.08 V	223	1.80	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2467.00	90.50 PK			1.18 H	193	58.80	31.70
2	*2467.00	86.90 AV			1.18 H	193	55.20	31.70
3	2483.50	55.80 PK	74.0	-18.2	1.18 H	193	24.10	31.70
4	2483.50	44.10 AV	54.0	-9.9	1.18 H	193	12.40	31.70
5	4934.00	44.80 PK	74.0	-29.2	1.26 H	80	7.10	37.70
6	4934.00	37.80 AV	54.0	-16.2	1.26 H	80	0.10	37.70
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	*2467.00	78.00 PK			1.00 V	297	46.30	31.70
2	*2467.00	74.30 AV			1.00 V	297	42.60	31.70
3	2483.50	54.60 PK	74.0	-19.4	1.00 V	297	22.90	31.70
4	2483.50	44.20 AV	54.0	-9.8	1.00 V	297	12.50	31.70
5	4934.00	45.30 PK	74.0	-28.7	1.06 V	250	7.60	37.70
6	4934.00	38.70 AV	54.0	-15.3	1.06 V	250	1.00	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 13	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2472.00	91.00 PK			1.20 H	194	59.30	31.70
2	*2472.00	87.30 AV			1.20 H	194	55.60	31.70
3	2483.50	56.30 PK	74.0	-17.7	1.20 H	194	24.60	31.70
4	2483.50	44.20 AV	54.0	-9.8	1.20 H	194	12.50	31.70
5	4944.00	45.20 PK	74.0	-28.8	1.23 H	83	7.50	37.70
6	4944.00	38.10 AV	54.0	-15.9	1.23 H	83	0.40	37.70
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	*2472.00	78.70 PK			1.00 V	295	47.00	31.70
2	*2472.00	74.80 AV			1.00 V	295	43.10	31.70
3	2483.50	55.10 PK	74.0	-18.9	1.00 V	295	23.40	31.70
4	2483.50	44.10 AV	54.0	-9.9	1.00 V	295	12.40	31.70
5	4944.00	45.50 PK	74.0	-28.5	1.05 V	263	7.80	37.70
6	4944.00	38.90 AV	54.0	-15.1	1.05 V	263	1.20	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	2390.00	70.5 PK	74.0	-3.5	1.21 H	12	39.10	31.40
2	2390.00	52.4 AV	54.0	-1.6	1.21 H	12	21.00	31.40
3	*2412.00	105.6 PK			1.21 H	15	74.20	31.40
4	*2412.00	95.5 AV			1.21 H	15	64.10	31.40
5	4824.00	45.4 PK	74.0	-28.6	1.04 H	232	7.90	37.50
6	4824.00	34.2 AV	54.0	-19.8	1.04 H	232	-3.30	37.50
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	2390.00	57.6 PK	74.0	-16.4	1.00 V	267	26.20	31.40
2	2390.00	45.5 AV	54.0	-8.5	1.00 V	267	14.10	31.40
3	*2412.00	93.5 PK			1.00 V	267	62.10	31.40
4	*2412.00	83.6 AV			1.00 V	267	52.20	31.40
5	4824.00	43.9 PK	74.0	-30.1	1.02 V	207	6.40	37.50
6	4824.00	33.4 AV	54.0	-20.6	1.02 V	207	-4.10	37.50

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	107.8 PK			1.20 H	12	76.30	31.50
2	*2437.00	97.5 AV			1.20 H	12	66.00	31.50
3	4874.00	45.4 PK	74.0	-28.6	1.04 H	253	7.80	37.60
4	4874.00	34.7 AV	54.0	-19.3	1.04 H	253	-2.90	37.60
5	7311.00	50.1 PK	74.0	-23.9	1.35 H	202	6.40	43.70
6	7311.00	39.5 AV	54.0	-14.5	1.35 H	202	-4.20	43.70
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	*2437.00	95.4 PK			1.00 V	261	63.90	31.50
2	*2437.00	85.1 AV			1.00 V	261	53.60	31.50
3	4874.00	43.7 PK	74.0	-30.3	1.12 V	204	6.10	37.60
4	4874.00	33.9 AV	54.0	-20.1	1.12 V	204	-3.70	37.60
5	7311.00	48.2 PK	74.0	-25.8	1.12 V	351	4.50	43.70
6	7311.00	37.1 AV	54.0	-16.9	1.12 V	351	-6.60	43.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	106.1 PK			1.18 H	14	74.50	31.60
2	*2462.00	95.5 AV			1.18 H	14	63.90	31.60
3	2483.50	67.8 PK	74.0	-6.2	1.18 H	14	36.10	31.70
4	2483.50	52.7 AV	54.0	-1.3	1.18 H	14	21.00	31.70
5	4924.00	44.5 PK	74.0	-29.5	1.13 H	252	6.80	37.70
6	4924.00	34.6 AV	54.0	-19.4	1.13 H	252	-3.10	37.70
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	*2462.00	94.1 PK			1.07 V	255	62.50	31.60
2	*2462.00	83.9 AV			1.07 V	255	52.30	31.60
3	2483.50	56.1 PK	74.0	-17.9	1.07 V	255	24.40	31.70
4	2483.50	44.2 AV	54.0	-9.8	1.07 V	255	12.50	31.70
5	4924.00	43.7 PK	74.0	-30.3	1.01 V	201	6.00	37.70
6	4924.00	33.8 AV	54.0	-20.2	1.01 V	201	-3.90	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2467.00	92.20 PK			1.15 H	193	60.50	31.70
2	*2467.00	81.60 AV			1.15 H	193	49.90	31.70
3	2483.50	66.50 PK	74.0	-7.5	1.15 H	193	34.80	31.70
4	2483.50	47.50 AV	54.0	-6.5	1.15 H	193	15.80	31.70
5	4934.00	43.70 PK	74.0	-30.3	1.09 H	253	6.00	37.70
6	4934.00	33.50 AV	54.0	-20.5	1.09 H	253	-4.20	37.70
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	*2467.00	80.00 PK			1.00 V	294	48.30	31.70
2	*2467.00	69.20 AV			1.00 V	294	37.50	31.70
3	2483.50	55.30 PK	74.0	-18.7	1.00 V	295	23.60	31.70
4	2483.50	43.80 AV	54.0	-10.2	1.00 V	295	12.10	31.70
5	4934.00	44.00 PK	74.0	-30.0	1.13 V	215	6.30	37.70
6	4934.00	34.20 AV	54.0	-19.8	1.13 V	215	-3.50	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 13	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2472.00	92.70 PK			1.19 H	194	61.00	31.70
2	*2472.00	82.00 AV			1.19 H	194	50.30	31.70
3	2483.50	68.00 PK	74.0	-6.0	1.19 H	194	36.30	31.70
4	2483.50	48.50 AV	54.0	-5.5	1.19 H	194	16.80	31.70
5	4944.00	44.00 PK	74.0	-30.0	1.05 H	255	6.30	37.70
6	4944.00	33.80 AV	54.0	-20.2	1.05 H	255	-3.90	37.70
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	*2472.00	80.30 PK			1.00 V	297	48.60	31.70
2	*2472.00	69.50 AV			1.00 V	297	37.80	31.70
3	2483.50	56.90 PK	74.0	-17.1	1.00 V	297	25.20	31.70
4	2483.50	44.80 AV	54.0	-9.2	1.00 V	297	13.10	31.70
5	4944.00	44.30 PK	74.0	-29.7	1.11 V	210	6.60	37.70
6	4944.00	34.50 AV	54.0	-19.5	1.11 V	210	-3.20	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	2390.00	69.3 PK	74.0	-4.7	1.00 H	24	37.90	31.40
2	2390.00	52.5 AV	54.0	-1.5	1.00 H	24	21.10	31.40
3	*2412.00	104.9 PK			1.00 H	24	73.50	31.40
4	*2412.00	94.2 AV			1.00 H	24	62.80	31.40
5	4824.00	45.2 PK	74.0	-28.8	1.08 H	228	7.70	37.50
6	4824.00	33.8 AV	54.0	-20.2	1.08 H	228	-3.70	37.50
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	2390.00	57.8 PK	74.0	-16.2	1.00 V	272	26.40	31.40
2	2390.00	45.9 AV	54.0	-8.1	1.00 V	272	14.50	31.40
3	*2412.00	92.2 PK			1.00 V	272	60.80	31.40
4	*2412.00	82.3 AV			1.00 V	272	50.90	31.40
5	4824.00	44.1 PK	74.0	-29.9	1.07 V	216	6.60	37.50
6	4824.00	33.7 AV	54.0	-20.3	1.07 V	216	-3.80	37.50

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	108.0 PK			1.45 H	44	76.50	31.50
2	*2437.00	97.3 AV			1.45 H	44	65.80	31.50
3	4874.00	45.1 PK	74.0	-28.9	1.05 H	262	7.50	37.60
4	4874.00	34.1 AV	54.0	-19.9	1.05 H	262	-3.50	37.60
5	7311.00	49.8 PK	74.0	-24.2	1.37 H	186	6.10	43.70
6	7311.00	40.2 AV	54.0	-13.8	1.37 H	186	-3.50	43.70
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	*2437.00	95.7 PK			1.00 V	258	64.20	31.50
2	*2437.00	85.2 AV			1.00 V	258	53.70	31.50
3	4874.00	43.9 PK	74.0	-30.1	1.17 V	215	6.30	37.60
4	4874.00	34.1 AV	54.0	-19.9	1.17 V	215	-3.50	37.60
5	7311.00	47.8 PK	74.0	-26.2	1.18 V	347	4.10	43.70
6	7311.00	36.7 AV	54.0	-17.3	1.18 V	347	-7.00	43.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	105.2 PK			1.42 H	47	73.60	31.60
2	*2462.00	95.0 AV			1.42 H	47	63.40	31.60
3	2483.50	70.4 PK	74.0	-3.6	1.42 H	47	38.70	31.70
4	2483.50	52.5 AV	54.0	-1.5	1.42 H	47	20.80	31.70
5	4924.00	43.7 PK	74.0	-30.3	1.27 H	248	6.00	37.70
6	4924.00	33.8 AV	54.0	-20.2	1.27 H	248	-3.90	37.70
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	*2462.00	93.2 PK			1.05 V	241	61.60	31.60
2	*2462.00	83.0 AV			1.05 V	241	51.40	31.60
3	2483.50	55.7 PK	74.0	-18.3	1.05 V	241	24.00	31.70
4	2483.50	43.8 AV	54.0	-10.2	1.05 V	241	12.10	31.70
5	4924.00	44.1 PK	74.0	-29.9	1.08 V	196	6.40	37.70
6	4924.00	33.4 AV	54.0	-20.6	1.08 V	196	-4.30	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2467.00	92.40 PK			1.15 H	196	60.70	31.70
2	*2467.00	81.30 AV			1.15 H	196	49.60	31.70
3	2483.50	66.20 PK	74.0	-7.8	1.15 H	196	34.50	31.70
4	2483.50	47.00 AV	54.0	-7.0	1.15 H	196	15.30	31.70
5	4934.00	43.80 PK	74.0	-30.2	1.05 H	251	6.10	37.70
6	4934.00	33.60 AV	54.0	-20.4	1.05 H	251	-4.10	37.70
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	*2467.00	79.90 PK			1.00 V	294	48.20	31.70
2	*2467.00	68.80 AV			1.00 V	294	37.10	31.70
3	2483.50	57.40 PK	74.0	-16.6	1.00 V	294	25.70	31.70
4	2483.50	43.80 AV	54.0	-10.2	1.00 V	294	12.10	31.70
5	4934.00	44.20 PK	74.0	-29.8	1.11 V	217	6.50	37.70
6	4934.00	34.50 AV	54.0	-19.5	1.11 V	217	-3.20	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 13	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2472.00	92.80 PK			1.17 H	197	61.10	31.70
2	*2472.00	81.70 AV			1.17 H	197	50.00	31.70
3	2483.50	69.20 PK	74.0	-4.8	1.17 H	197	37.50	31.70
4	2483.50	49.30 AV	54.0	-4.7	1.17 H	197	17.60	31.70
5	4944.00	44.30 PK	74.0	-29.7	1.09 H	250	6.60	37.70
6	4944.00	34.00 AV	54.0	-20.0	1.09 H	250	-3.70	37.70
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	*2472.00	80.20 PK			1.00 V	298	48.50	31.70
2	*2472.00	69.50 AV			1.00 V	298	37.80	31.70
3	2483.50	58.50 PK	74.00	-15.50	1.00 V	298	26.80	31.70
4	2483.50	45.00 AV	54.00	-9.00	1.00 V	298	13.30	31.70
5	4944.00	44.50 PK	74.00	-29.50	1.13 V	214	6.80	37.70
6	4944.00	34.70 AV	54.00	-19.30	1.13 V	214	-3.00	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.

Test Mode B1 (Without MSR & Main Ant.)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	2390.00	58.1 PK	74.0	-15.9	1.24 H	25	26.70	31.40
2	2390.00	49.7 AV	54.0	-4.3	1.24 H	25	18.30	31.40
3	*2412.00	107.8 PK			1.24 H	25	76.40	31.40
4	*2412.00	103.7 AV			1.24 H	25	72.30	31.40
5	4824.00	45.6 PK	74.0	-28.4	1.13 H	74	8.10	37.50
6	4824.00	34.4 AV	54.0	-19.6	1.13 H	74	-3.10	37.50
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	2390.00	57.2 PK	74.0	-16.8	1.04 V	108	25.80	31.40
2	2390.00	45.6 AV	54.0	-8.4	1.04 V	108	14.20	31.40
3	*2412.00	99.2 PK			1.04 V	109	67.80	31.40
4	*2412.00	95.2 AV			1.04 V	109	63.80	31.40
5	4824.00	45.7 PK	74.0	-28.3	1.09 V	45	8.20	37.50
6	4824.00	35.2 AV	54.0	-18.8	1.09 V	45	-2.30	37.50

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	107.6 PK			1.00 H	220	76.10	31.50
2	*2437.00	103.7 AV			1.00 H	220	72.20	31.50
3	4874.00	45.3 PK	74.0	-28.7	1.28 H	205	7.70	37.60
4	4874.00	35.1 AV	54.0	-18.9	1.28 H	205	-2.50	37.60
5	7311.00	51.5 PK	74.0	-22.5	1.12 H	323	7.80	43.70
6	7311.00	39.9 AV	54.0	-14.1	1.12 H	323	-3.80	43.70
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	*2437.00	100.5 PK			1.00 V	293	69.00	31.50
2	*2437.00	96.6 AV			1.00 V	293	65.10	31.50
3	4874.00	43.9 PK	74.0	-30.1	1.35 V	243	6.30	37.60
4	4874.00	31.8 AV	54.0	-22.2	1.35 V	243	-5.80	37.60
5	7311.00	50.1 PK	74.0	-23.9	1.08 V	79	6.40	43.70
6	7311.00	39.5 AV	54.0	-14.5	1.08 V	79	-4.20	43.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	108.1 PK			1.45 H	51	76.50	31.60
2	*2462.00	104.1 AV			1.45 H	51	72.50	31.60
3	2483.50	59.3 PK	74.0	-14.7	1.45 H	51	27.60	31.70
4	2483.50	50.0 AV	54.0	-4.0	1.45 H	51	18.30	31.70
5	4924.00	45.7 PK	74.0	-28.3	1.32 H	205	8.00	37.70
6	4924.00	35.9 AV	54.0	-18.1	1.32 H	205	-1.80	37.70
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	*2462.00	100.7 PK			1.00 V	304	69.10	31.60
2	*2462.00	96.8 AV			1.00 V	304	65.20	31.60
3	2483.50	57.8 PK	74.0	-16.2	1.00 V	304	26.10	31.70
4	2483.50	46.8 AV	54.0	-7.2	1.00 V	304	15.10	31.70
5	4924.00	44.7 PK	74.0	-29.3	1.09 V	107	7.00	37.70
6	4924.00	33.4 AV	54.0	-20.6	1.09 V	107	-4.30	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2467.00	87.80 PK			1.19 H	202	56.10	31.70
2	*2467.00	84.00 AV			1.19 H	202	52.30	31.70
3	2483.50	55.60 PK	74.0	-18.4	1.19 H	202	23.90	31.70
4	2483.50	43.90 AV	54.0	-10.1	1.19 H	202	12.20	31.70
5	4934.00	43.10 PK	74.0	-30.9	1.25 H	203	5.40	37.70
6	4934.00	33.00 AV	54.0	-21.0	1.25 H	203	-4.70	37.70
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	*2467.00	79.00 PK			1.00 V	297	47.30	31.70
2	*2467.00	75.10 AV			1.00 V	297	43.40	31.70
3	2483.50	54.90 PK	74.0	-19.1	1.00 V	297	23.20	31.70
4	2483.50	43.90 AV	54.0	-10.1	1.00 V	297	12.20	31.70
5	4934.00	44.80 PK	74.0	-29.2	1.13 V	115	7.10	37.70
6	4934.00	33.40 AV	54.0	-20.6	1.13 V	115	-4.30	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 13	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2472.00	89.00 PK			1.15 H	205	57.30	31.70
2	*2472.00	85.20 AV			1.15 H	205	53.50	31.70
3	2483.50	55.40 PK	74.0	-18.6	1.15 H	205	23.70	31.70
4	2483.50	43.30 AV	54.0	-10.7	1.15 H	205	11.60	31.70
5	4944.00	43.50 PK	74.0	-30.5	1.23 H	206	5.80	37.70
6	4944.00	33.40 AV	54.0	-20.6	1.23 H	206	-4.30	37.70
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	*2472.00	79.50 PK			1.00 V	293	47.80	31.70
2	*2472.00	75.70 AV			1.00 V	293	44.00	31.70
3	2483.50	55.60 PK	74.0	-18.4	1.00 V	293	23.90	31.70
4	2483.50	44.60 AV	54.0	-9.4	1.00 V	293	12.90	31.70
5	4944.00	45.20 PK	74.0	-28.8	1.10 V	119	7.50	37.70
6	4944.00	33.70 AV	54.0	-20.3	1.10 V	119	-4.00	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	2390.00	71.6 PK	74.0	-2.4	1.00 H	25	40.20	31.40
2	2390.00	52.7 AV	54.0	-1.3	1.00 H	25	21.30	31.40
3	*2412.00	107.6 PK			1.00 H	25	76.20	31.40
4	*2412.00	96.7 AV			1.00 H	25	65.30	31.40
5	4824.00	44.0 PK	74.0	-30.0	1.15 H	207	6.50	37.50
6	4824.00	33.4 AV	54.0	-20.6	1.15 H	207	-4.10	37.50
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	2390.00	59.1 PK	74.0	-14.9	1.27 V	118	27.70	31.40
2	2390.00	47.9 AV	54.0	-6.1	1.27 V	118	16.50	31.40
3	*2412.00	98.2 PK			1.27 V	118	66.80	31.40
4	*2412.00	87.2 AV			1.27 V	118	55.80	31.40
5	4824.00	43.8 PK	74.0	-30.2	1.12 V	108	6.30	37.50
6	4824.00	33.0 AV	54.0	-21.0	1.12 V	108	-4.50	37.50

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	109.8 PK			1.47 H	47	78.30	31.50
2	*2437.00	99.7 AV			1.47 H	47	68.20	31.50
3	4874.00	45.4 PK	74.0	-28.6	1.12 H	212	7.80	37.60
4	4874.00	34.5 AV	54.0	-19.5	1.12 H	212	-3.10	37.60
5	7311.00	50.0 PK	74.0	-24.0	1.02 H	98	6.30	43.70
6	7311.00	39.3 AV	54.0	-14.7	1.02 H	98	-4.40	43.70
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	*2437.00	100.4 PK			1.25 V	101	68.90	31.50
2	*2437.00	89.6 AV			1.25 V	101	58.10	31.50
3	4874.00	44.2 PK	74.0	-29.8	1.03 V	117	6.60	37.60
4	4874.00	33.5 AV	54.0	-20.5	1.03 V	117	-4.10	37.60
5	7311.00	47.2 PK	74.0	-26.8	1.36 V	178	3.50	43.70
6	7311.00	37.5 AV	54.0	-16.5	1.36 V	178	-6.20	43.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	106.1 PK			1.42 H	227	74.50	31.60
2	*2462.00	96.0 AV			1.42 H	227	64.40	31.60
3	2483.50	68.8 PK	74.0	-5.2	1.42 H	227	37.10	31.70
4	2483.50	52.3 AV	54.0	-1.7	1.42 H	227	20.60	31.70
5	4924.00	44.8 PK	74.0	-29.2	1.18 H	218	7.10	37.70
6	4924.00	34.1 AV	54.0	-19.9	1.18 H	218	-3.60	37.70
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	*2462.00	96.5 PK			1.28 V	112	64.90	31.60
2	*2462.00	85.6 AV			1.28 V	112	54.00	31.60
3	2483.50	60.2 PK	74.0	-13.8	1.28 V	112	28.50	31.70
4	2483.50	47.8 AV	54.0	-6.2	1.28 V	112	16.10	31.70
5	4924.00	43.9 PK	74.0	-30.1	1.24 V	128	6.20	37.70
6	4924.00	33.4 AV	54.0	-20.6	1.24 V	128	-4.30	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2467.00	90.70 PK			1.20 H	204	59.00	31.70
2	*2467.00	80.10 AV			1.20 H	204	48.40	31.70
3	2483.50	65.90 PK	74.0	-8.1	1.20 H	204	34.20	31.70
4	2483.50	46.80 AV	54.0	-7.2	1.20 H	204	15.10	31.70
5	4934.00	44.30 PK	74.0	-29.7	1.25 H	226	6.60	37.70
6	4934.00	33.80 AV	54.0	-20.2	1.25 H	226	-3.90	37.70
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	*2467.00	79.50 PK			1.00 V	298	47.80	31.70
2	*2467.00	68.70 AV			1.00 V	298	37.00	31.70
3	2483.50	55.00 PK	74.0	-19.0	1.00 V	298	23.30	31.70
4	2483.50	43.50 AV	54.0	-10.5	1.00 V	298	11.80	31.70
5	4934.00	43.50 PK	74.0	-30.5	1.20 V	125	5.80	37.70
6	4934.00	32.80 AV	54.0	-21.2	1.20 V	125	-4.90	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 13	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2472.00	91.20 PK			1.15 H	200	59.50	31.70
2	*2472.00	80.50 AV			1.15 H	200	48.80	31.70
3	2483.50	67.40 PK	74.0	-6.6	1.15 H	200	35.70	31.70
4	2483.50	48.00 AV	54.0	-6.0	1.15 H	200	16.30	31.70
5	4944.00	43.70 PK	74.0	-30.3	1.25 H	220	6.00	37.70
6	4944.00	33.30 AV	54.0	-20.7	1.25 H	220	-4.40	37.70
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	*2472.00	79.90 PK			1.00 V	291	48.20	31.70
2	*2472.00	69.10 AV			1.00 V	291	37.40	31.70
3	2483.50	56.50 PK	74.0	-17.5	1.00 V	291	24.80	31.70
4	2483.50	44.40 AV	54.0	-9.6	1.00 V	291	12.70	31.70
5	4944.00	43.00 PK	74.0	-31.0	1.28 V	131	5.30	37.70
6	4944.00	32.10 AV	54.0	-21.9	1.28 V	131	-5.60	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	2390.00	67.1 PK	74.0	-6.9	1.45 H	225	35.70	31.40
2	2390.00	52.1 AV	54.0	-1.9	1.45 H	225	20.70	31.40
3	*2412.00	105.3 PK			1.45 H	225	73.90	31.40
4	*2412.00	94.9 AV			1.45 H	225	63.50	31.40
5	4824.00	44.8 PK	74.0	-29.2	1.12 H	217	7.30	37.50
6	4824.00	33.9 AV	54.0	-20.1	1.12 H	217	-3.60	37.50
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	2390.00	58.7 PK	74.0	-15.3	1.22 V	124	27.30	31.40
2	2390.00	47.5 AV	54.0	-6.5	1.22 V	124	16.10	31.40
3	*2412.00	96.0 PK			1.22 V	124	64.60	31.40
4	*2412.00	84.7 AV			1.22 V	124	53.30	31.40
5	4824.00	44.1 PK	74.0	-29.9	1.08 V	114	6.60	37.50
6	4824.00	33.2 AV	54.0	-20.8	1.08 V	114	-4.30	37.50

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	109.3 PK			1.43 H	226	77.80	31.50
2	*2437.00	98.8 AV			1.43 H	226	67.30	31.50
3	4874.00	45.8 PK	74.0	-28.2	1.18 H	224	8.20	37.60
4	4874.00	34.9 AV	54.0	-19.1	1.18 H	224	-2.70	37.60
5	7311.00	49.7 PK	74.0	-24.3	1.04 H	102	6.00	43.70
6	7311.00	38.8 AV	54.0	-15.2	1.04 H	102	-4.90	43.70
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	*2437.00	99.6 PK			1.27 V	102	68.10	31.50
2	*2437.00	88.7 AV			1.27 V	102	57.20	31.50
3	4874.00	44.7 PK	74.0	-29.3	1.08 V	125	7.10	37.60
4	4874.00	33.8 AV	54.0	-20.2	1.08 V	125	-3.80	37.60
5	7311.00	47.5 PK	74.0	-26.5	1.34 V	185	3.80	43.70
6	7311.00	37.8 AV	54.0	-16.2	1.34 V	185	-5.90	43.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	105.3 PK			1.40 H	231	73.70	31.60
2	*2462.00	94.7 AV			1.40 H	231	63.10	31.60
3	2483.50	68.2 PK	74.0	-5.8	1.40 H	231	36.50	31.70
4	2483.50	52.2 AV	54.0	-1.8	1.40 H	231	20.50	31.70
5	4924.00	45.1 PK	74.0	-28.9	1.12 H	221	7.40	37.70
6	4924.00	34.1 AV	54.0	-19.9	1.12 H	221	-3.60	37.70
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	*2462.00	97.0 PK			1.00 V	294	65.40	31.60
2	*2462.00	85.9 AV			1.00 V	294	54.30	31.60
3	2483.50	60.6 PK	74.0	-13.4	1.00 V	294	28.90	31.70
4	2483.50	46.2 AV	54.0	-7.8	1.00 V	294	14.50	31.70
5	4924.00	44.1 PK	74.0	-29.9	1.08 V	125	6.40	37.70
6	4924.00	33.1 AV	54.0	-20.9	1.08 V	125	-4.60	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2467.00	91.60 PK			1.19 H	193	59.90	31.70
2	*2467.00	80.50 AV			1.19 H	193	48.80	31.70
3	2483.50	65.80 PK	74.0	-8.2	1.19 H	193	34.10	31.70
4	2483.50	46.60 AV	54.0	-7.4	1.19 H	193	14.90	31.70
5	4934.00	44.20 PK	74.0	-29.8	1.21 H	220	6.50	37.70
6	4934.00	33.70 AV	54.0	-20.3	1.21 H	220	-4.00	37.70
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	*2467.00	79.40 PK			1.00 V	291	47.70	31.70
2	*2467.00	68.30 AV			1.00 V	291	36.60	31.70
3	2483.50	57.00 PK	74.0	-17.0	1.00 V	291	25.30	31.70
4	2483.50	43.40 AV	54.0	-10.6	1.00 V	291	11.70	31.70
5	4934.00	43.80 PK	74.0	-30.2	1.05 V	126	6.10	37.70
6	4934.00	32.80 AV	54.0	-21.2	1.05 V	126	-4.90	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 13	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2472.00	91.70 PK			1.15 H	193	60.00	31.70
2	*2472.00	80.60 AV			1.15 H	193	48.90	31.70
3	2483.50	68.60 PK	74.0	-5.4	1.15 H	193	36.90	31.70
4	2483.50	48.70 AV	54.0	-5.3	1.15 H	193	17.00	31.70
5	4944.00	44.40 PK	74.0	-29.6	1.11 H	225	6.70	37.70
6	4944.00	33.50 AV	54.0	-20.5	1.11 H	225	-4.20	37.70
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	*2472.00	79.80 PK			1.00 V	295	48.10	31.70
2	*2472.00	69.10 AV			1.00 V	295	37.40	31.70
3	2483.50	58.10 PK	74.0	-15.9	1.00 V	295	26.40	31.70
4	2483.50	44.60 AV	54.0	-9.4	1.00 V	295	12.90	31.70
5	4944.00	43.40 PK	74.0	-30.6	1.06 V	132	5.70	37.70
6	4944.00	32.50 AV	54.0	-21.5	1.06 V	132	-5.20	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.

Test Mode C1 (Without MSR & Aux Ant.)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	2386.00	58.9 PK	74.0	-15.1	1.04 H	177	27.60	31.30
2	2386.00	51.1 AV	54.0	-2.9	1.04 H	177	19.80	31.30
3	*2412.00	107.3 PK			1.04 H	177	75.90	31.40
4	*2412.00	103.2 AV			1.04 H	177	71.80	31.40
5	4824.00	49.0 PK	74.0	-25.0	1.00 H	218	11.50	37.50
6	4824.00	42.7 AV	54.0	-11.3	1.00 H	218	5.20	37.50
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	2386.00	57.6 PK	74.0	-16.4	1.08 V	193	26.30	31.30
2	2386.00	49.0 AV	54.0	-5.0	1.08 V	193	17.70	31.30
3	*2412.00	104.7 PK			1.08 V	193	73.30	31.40
4	*2412.00	100.6 AV			1.08 V	193	69.20	31.40
5	4824.00	51.9 PK	74.0	-22.1	1.01 V	196	14.40	37.50
6	4824.00	48.0 AV	54.0	-6.0	1.01 V	196	10.50	37.50

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	106.8 PK			1.02 H	201	75.30	31.50
2	*2437.00	102.8 AV			1.02 H	201	71.30	31.50
3	4874.00	48.2 PK	74.0	-25.8	1.37 H	225	10.60	37.60
4	4874.00	41.1 AV	54.0	-12.9	1.37 H	225	3.50	37.60
5	7311.00	51.6 PK	74.0	-22.4	1.28 H	78	7.90	43.70
6	7311.00	39.9 AV	54.0	-14.1	1.28 H	78	-3.80	43.70
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	*2437.00	102.9 PK			1.02 V	107	71.40	31.50
2	*2437.00	98.7 AV			1.02 V	107	67.20	31.50
3	4874.00	52.4 PK	74.0	-21.6	1.02 V	189	14.80	37.60
4	4874.00	49.1 AV	54.0	-4.9	1.02 V	189	11.50	37.60
5	7311.00	49.3 PK	74.0	-24.7	1.05 V	322	5.60	43.70
6	7311.00	39.1 AV	54.0	-14.9	1.05 V	322	-4.60	43.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Sun Lin

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	109.2 PK			1.04 H	186	77.60	31.60
2	*2462.00	105.1 AV			1.04 H	186	73.50	31.60
3	2483.50	59.4 PK	74.0	-14.6	1.04 H	186	27.70	31.70
4	2483.50	52.9 AV	54.0	-1.1	1.04 H	186	21.20	31.70
5	4924.00	47.5 PK	74.0	-26.5	1.06 H	223	9.80	37.70
6	4924.00	43.7 AV	54.0	-10.3	1.06 H	223	6.00	37.70
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	*2462.00	102.8 PK			1.17 V	212	71.20	31.60
2	*2462.00	98.7 AV			1.17 V	212	67.10	31.60
3	2483.50	58.0 PK	74.0	-16.0	1.17 V	221	26.30	31.70
4	2483.50	45.9 AV	54.0	-8.1	1.17 V	221	14.20	31.70
5	4924.00	50.5 PK	74.0	-23.5	1.08 V	198	12.80	37.70
6	4924.00	45.7 AV	54.0	-8.3	1.08 V	198	8.00	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2467.00	87.60 PK			1.00 H	181	55.90	31.70
2	*2467.00	84.40 AV			1.00 H	181	52.70	31.70
3	2483.50	55.70 PK	74.0	-18.3	1.00 H	181	24.00	31.70
4	2483.50	44.20 AV	54.0	-9.8	1.00 H	181	12.50	31.70
5	4934.00	42.90 PK	74.0	-31.1	1.28 H	206	5.20	37.70
6	4934.00	32.70 AV	54.0	-21.3	1.28 H	206	-5.00	37.70
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	*2467.00	78.80 PK			1.00 V	295	47.10	31.70
2	*2467.00	74.80 AV			1.00 V	295	43.10	31.70
3	2483.50	54.70 PK	74.0	-19.3	1.00 V	295	23.00	31.70
4	2483.50	43.70 AV	54.0	-10.3	1.00 V	295	12.00	31.70
5	4934.00	44.50 PK	74.0	-29.5	1.12 V	110	6.80	37.70
6	4934.00	33.10 AV	54.0	-20.9	1.12 V	110	-4.60	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 13	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2472.00	88.70 PK			1.19 H	209	57.00	31.70
2	*2472.00	84.90 AV			1.19 H	209	53.20	31.70
3	2483.50	55.10 PK	74.0	-18.9	1.19 H	209	23.40	31.70
4	2483.50	43.10 AV	54.0	-10.9	1.19 H	209	11.40	31.70
5	4944.00	43.20 PK	74.0	-30.8	1.20 H	203	5.50	37.70
6	4944.00	33.20 AV	54.0	-20.8	1.20 H	203	-4.50	37.70
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	*2472.00	79.20 PK			1.00 V	291	47.50	31.70
2	*2472.00	75.40 AV			1.00 V	291	43.70	31.70
3	2483.50	55.30 PK	74.0	-18.7	1.00 V	291	23.60	31.70
4	2483.50	44.30 AV	54.0	-9.7	1.00 V	291	12.60	31.70
5	4944.00	45.00 PK	74.0	-29.0	1.13 V	121	7.30	37.70
6	4944.00	33.50 AV	54.0	-20.5	1.13 V	121	-4.20	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	2390.00	71.0 PK	74.0	-3.0	1.78 H	133	39.60	31.40
2	2390.00	53.0 AV	54.0	-1.0	1.78 H	133	21.60	31.40
3	*2412.00	106.4 PK			1.78 H	133	75.00	31.40
4	*2412.00	95.4 AV			1.78 H	133	64.00	31.40
5	4824.00	44.5 PK	74.0	-29.5	1.00 H	80	7.00	37.50
6	4824.00	31.9 AV	54.0	-22.1	1.00 H	80	-5.60	37.50
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	2390.00	69.5 PK	74.0	-4.5	1.30 V	166	38.10	31.40
2	2390.00	52.3 AV	54.0	-1.7	1.30 V	166	20.90	31.40
3	*2412.00	104.9 PK			1.30 V	166	73.50	31.40
4	*2412.00	93.9 AV			1.30 V	166	62.50	31.40
5	4824.00	45.6 PK	74.0	-28.4	1.10 V	220	8.10	37.50
6	4824.00	32.7 AV	54.0	-21.3	1.10 V	220	-4.80	37.50

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	2390.00	56.9 PK	74.0	-17.1	1.75 H	134	25.50	31.40
2	2390.00	44.7 AV	54.0	-9.3	1.75 H	134	13.30	31.40
3	*2437.00	107.0 PK			1.75 H	134	75.50	31.50
4	*2437.00	96.1 AV			1.75 H	134	64.60	31.50
5	2483.50	61.6 PK	74.0	-12.4	1.75 H	134	29.90	31.70
6	2483.50	46.1 AV	54.0	-7.9	1.75 H	134	14.40	31.70
7	4874.00	45.1 PK	74.0	-28.9	1.00 H	85	7.50	37.60
8	4874.00	32.6 AV	54.0	-21.4	1.00 H	85	-5.00	37.60
9	7311.00	51.2 PK	74.0	-22.8	1.00 H	123	7.50	43.70
10	7311.00	38.0 AV	54.0	-16.0	1.00 H	123	-5.70	43.70
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	2390.00	56.6 PK	74.0	-17.4	1.28 V	169	25.20	31.40
2	2390.00	44.6 AV	54.0	-9.4	1.28 V	169	13.20	31.40
3	*2437.00	105.6 PK			1.28 V	169	74.10	31.50
4	*2437.00	94.5 AV			1.28 V	169	63.00	31.50
5	2483.50	58.2 PK	74.0	-15.8	1.28 V	169	26.50	31.70
6	2483.50	45.4 AV	54.0	-8.6	1.28 V	169	13.70	31.70
7	4874.00	46.3 PK	74.0	-27.7	1.15 V	221	8.70	37.60
8	4874.00	33.3 AV	54.0	-20.7	1.15 V	221	-4.30	37.60
9	7311.00	50.7 PK	74.0	-23.3	1.10 V	164	7.00	43.70
10	7311.00	37.7 AV	54.0	-16.3	1.10 V	164	-6.00	43.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	105.6 PK			1.78 H	140	74.00	31.60
2	*2462.00	94.6 AV			1.78 H	140	63.00	31.60
3	2483.50	69.8 PK	74.0	-4.2	1.78 H	140	38.10	31.70
4	2483.50	52.4 AV	54.0	-1.6	1.78 H	140	20.70	31.70
5	4924.00	44.5 PK	74.0	-29.5	1.00 H	80	6.80	37.70
6	4924.00	32.1 AV	54.0	-21.9	1.00 H	80	-5.60	37.70
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	*2462.00	103.6 PK			1.29 V	168	72.00	31.60
2	*2462.00	92.6 AV			1.29 V	168	61.00	31.60
3	2483.50	66.7 PK	74.0	-7.3	1.29 V	168	35.00	31.70
4	2483.50	50.8 AV	54.0	-3.2	1.29 V	168	19.10	31.70
5	4924.00	45.7 PK	74.0	-28.3	1.15 V	225	8.00	37.70
6	4924.00	32.6 AV	54.0	-21.4	1.15 V	225	-5.10	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2467.00	90.40 PK			1.23 H	207	58.70	31.70
2	*2467.00	80.00 AV			1.23 H	207	48.30	31.70
3	2483.50	65.70 PK	74.0	-8.3	1.23 H	207	34.00	31.70
4	2483.50	46.60 AV	54.0	-7.4	1.23 H	207	14.90	31.70
5	4934.00	44.00 PK	74.0	-30.0	1.21 H	220	6.30	37.70
6	4934.00	33.50 AV	54.0	-20.5	1.21 H	220	-4.20	37.70
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	*2467.00	79.10 PK			1.00 V	294	47.40	31.70
2	*2467.00	68.30 AV			1.00 V	294	36.60	31.70
3	2483.50	54.70 PK	74.0	-19.3	1.00 V	294	23.00	31.70
4	2483.50	43.20 AV	54.0	-10.8	1.00 V	294	11.50	31.70
5	4934.00	43.20 PK	74.0	-30.8	1.20 V	120	5.50	37.70
6	4934.00	32.50 AV	54.0	-21.50	1.20 V	120	-5.20	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 13	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2472.00	90.90 PK			1.13 H	203	59.20	31.70
2	*2472.00	80.20 AV			1.13 H	203	48.50	31.70
3	2483.50	67.20 PK	74.0	-6.8	1.13 H	203	35.50	31.70
4	2483.50	47.80 AV	54.0	-6.2	1.13 H	203	16.10	31.70
5	4944.00	43.40 PK	74.0	-30.6	1.21 H	223	5.70	37.70
6	4944.00	33.00 AV	54.0	-21.0	1.21 H	223	-4.70	37.70
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	*2472.00	79.60 PK			1.00 V	299	47.90	31.70
2	*2472.00	68.80 AV			1.00 V	299	37.10	31.70
3	2483.50	56.20 PK	74.0	-17.8	1.00 V	299	24.50	31.70
4	2483.50	44.10 AV	54.0	-9.9	1.00 V	299	12.40	31.70
5	4944.00	42.70 PK	74.0	-31.3	1.24 V	126	5.00	37.70
6	4944.00	31.90 AV	54.0	-22.1	1.24 V	126	-5.80	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	2390.00	70.7 PK	74.0	-3.3	1.82 H	133	39.30	31.40
2	2390.00	52.6 AV	54.0	-1.4	1.82 H	133	21.20	31.40
3	*2412.00	105.7 PK			1.82 H	133	74.30	31.40
4	*2412.00	94.6 AV			1.82 H	133	63.20	31.40
5	4824.00	44.9 PK	74.0	-29.1	1.00 H	83	7.40	37.50
6	4824.00	31.9 AV	54.0	-22.1	1.00 H	83	-5.60	37.50
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	2390.00	69.7 PK	74.0	-4.3	1.30 V	169	38.30	31.40
2	2390.00	51.6 AV	54.0	-2.4	1.30 V	169	20.20	31.40
3	*2412.00	103.4 PK			1.30 V	169	72.00	31.40
4	*2412.00	92.3 AV			1.30 V	169	60.90	31.40
5	4824.00	44.7 PK	74.0	-29.3	1.12 V	222	7.20	37.50
6	4824.00	32.5 AV	54.0	-21.5	1.12 V	222	-5.00	37.50

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	2390.00	60.1 PK	74.0	-13.9	1.79 H	132	28.70	31.40
2	2390.00	45.5 AV	54.0	-8.5	1.79 H	132	14.10	31.40
3	*2437.00	107.3 PK			1.79 H	132	75.80	31.50
4	*2437.00	96.2 AV			1.79 H	132	64.70	31.50
5	2483.50	60.8 PK	74.0	-13.2	1.79 H	132	29.10	31.70
6	2483.50	46.3 AV	54.0	-7.7	1.79 H	132	14.60	31.70
7	4874.00	45.9 PK	74.0	-28.1	1.00 H	82	8.30	37.60
8	4874.00	32.8 AV	54.0	-21.2	1.00 H	82	-4.80	37.60
9	7311.00	51.6 PK	74.0	-22.4	1.02 H	221	7.90	43.70
10	7311.00	38.2 AV	54.0	-15.8	1.02 H	221	-5.50	43.70
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	2390.00	59.7 PK	74.0	-14.3	1.29 V	170	28.30	31.40
2	2390.00	44.9 AV	54.0	-9.1	1.29 V	170	13.50	31.40
3	*2437.00	105.1 PK			1.29 V	170	73.60	31.50
4	*2437.00	94.2 AV			1.29 V	170	62.70	31.50
5	2483.50	59.4 PK	74.0	-14.6	1.29 V	170	27.70	31.70
6	2483.50	45.6 AV	54.0	-8.4	1.29 V	170	13.90	31.70
7	4874.00	45.5 PK	74.0	-28.5	1.18 V	226	7.90	37.60
8	4874.00	33.3 AV	54.0	-20.7	1.18 V	226	-4.30	37.60
9	7311.00	50.8 PK	74.0	-23.2	1.36 V	56	7.10	43.70
10	7311.00	37.9 AV	54.0	-16.1	1.36 V	56	-5.80	43.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	105.1 PK			1.77 H	142	73.50	31.60
2	*2462.00	94.2 AV			1.77 H	142	62.60	31.60
3	2483.50	72.3 PK	74.0	-1.7	1.77 H	142	40.60	31.70
4	2483.50	52.6 AV	54.0	-1.4	1.77 H	142	20.90	31.70
5	4924.00	44.7 PK	74.0	-29.3	1.00 H	84	7.00	37.70
6	4924.00	31.6 AV	54.0	-22.4	1.00 H	84	-6.10	37.70
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	*2462.00	103.4 PK			1.29 V	171	71.80	31.60
2	*2462.00	92.4 AV			1.29 V	171	60.80	31.60
3	2483.50	70.9 PK	74.0	-3.1	1.29 V	171	39.20	31.70
4	2483.50	52.0 AV	54.0	-2.0	1.29 V	171	20.30	31.70
5	4924.00	44.7 PK	74.0	-29.3	1.18 V	229	7.00	37.70
6	4924.00	32.3 AV	54.0	-21.7	1.18 V	229	-5.40	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2467.00	91.30 PK			1.15 H	190	59.60	31.70
2	*2467.00	80.20 AV			1.15 H	190	48.50	31.70
3	2483.50	65.50 PK	74.0	-8.5	1.15 H	190	33.80	31.70
4	2483.50	46.30 AV	54.0	-7.7	1.15 H	190	14.60	31.70
5	4934.00	44.00 PK	74.0	-30.0	1.23 H	223	6.30	37.70
6	4934.00	33.50 AV	54.0	-20.5	1.23 H	223	-4.20	37.70
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	*2467.00	79.10 PK			1.00 V	295	47.40	31.70
2	*2467.00	68.00 AV			1.00 V	295	36.30	31.70
3	2483.50	56.70 PK	74.0	-17.3	1.00 V	295	25.00	31.70
4	2483.50	43.10 AV	54.0	-10.9	1.00 V	295	11.40	31.70
5	4934.00	43.50 PK	74.0	-30.5	1.08 V	122	5.80	37.70
6	4934.00	32.60 AV	54.0	-21.4	1.08 V	122	-5.10	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 13	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*2472.00	91.40 PK			1.13 H	196	59.70	31.70
2	*2472.00	80.30 AV			1.13 H	196	48.60	31.70
3	2483.50	68.30 PK	74.0	-5.7	1.13 H	196	36.60	31.70
4	2483.50	48.40 AV	54.0	-5.6	1.13 H	196	16.70	31.70
5	4944.00	44.20 PK	74.0	-29.8	1.13 H	228	6.50	37.70
6	4944.00	33.30 AV	54.0	-20.7	1.13 H	228	-4.40	37.70
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	*2472.00	79.50 PK			1.00 V	290	47.80	31.70
2	*2472.00	68.70 AV			1.00 V	290	37.00	31.70
3	2483.50	57.80 PK	74.0	-16.2	1.00 V	290	26.10	31.70
4	2483.50	44.30 AV	54.0	-9.7	1.00 V	290	12.60	31.70
5	4944.00	43.20 PK	74.0	-30.8	1.03 V	136	5.50	37.70
6	4944.00	32.30 AV	54.0	-21.7	1.03 V	136	-5.40	37.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.

BELOW 1GHz WORST-CASE DATA :

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Aska Huang
TEST MODE	A1 (With MSR & Main Ant.)		

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	76.56	24.0 QP	40.0	-16.0	2.00 H	4	13.20	10.80
2	123.12	19.3 QP	43.5	-24.2	1.50 H	57	7.20	12.10
3	222.06	22.8 QP	46.0	-23.2	1.50 H	17	10.80	12.00
4	297.72	20.9 QP	46.0	-25.1	1.50 H	17	6.10	14.80
5	515.00	24.2 QP	46.0	-21.8	1.25 H	6	3.70	20.50
6	544.10	27.2 QP	46.0	-18.8	1.00 H	204	6.10	21.10
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	76.56	22.2 QP	40.0	-17.8	1.25 V	26	11.40	10.80
2	107.60	21.4 QP	43.5	-22.1	1.25 V	16	11.00	10.40
3	134.76	20.2 QP	43.5	-23.3	1.00 V	261	7.10	13.10
4	189.08	28.9 QP	43.5	-14.6	1.00 V	38	16.90	12.00
5	243.40	22.6 QP	46.0	-23.4	1.00 V	315	9.80	12.80
6	297.72	23.5 QP	46.0	-22.5	1.00 V	322	8.70	14.80

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	A2 (With MSR & Main Ant.)		

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	138.64	35.4 QP	43.5	-8.1	1.25 H	106	21.90	13.50
2	225.94	31.7 QP	46.0	-14.3	1.00 H	19	19.50	12.20
3	336.52	27.3 QP	46.0	-18.7	1.00 H	45	11.50	15.80
4	431.58	27.3 QP	46.0	-18.7	1.50 H	85	9.00	18.30
5	575.14	27.3 QP	46.0	-18.7	1.25 H	10	5.50	21.80
6	666.32	30.1 QP	46.0	-15.9	1.00 H	54	7.40	22.70
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	165.80	27.1 QP	43.5	-16.4	1.00 V	187	13.40	13.70
2	189.08	28.0 QP	43.5	-15.5	1.00 V	250	16.00	12.00
3	231.76	25.4 QP	46.0	-20.6	2.00 V	336	13.00	12.40
4	336.52	26.1 QP	46.0	-19.9	1.50 V	83	10.30	15.80
5	431.58	29.0 QP	46.0	-17.0	1.00 V	117	10.70	18.30
6	664.38	26.5 QP	46.0	-19.5	2.00 V	100	3.80	22.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	B1 (Without MSR & Main Ant.)		

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	70.74	20.2 QP	40.0	-19.8	1.00 H	338	8.00	12.20
2	189.08	22.8 QP	43.5	-20.7	1.50 H	65	10.80	12.00
3	225.94	22.1 QP	46.0	-23.9	1.25 H	112	9.90	12.20
4	297.72	21.5 QP	46.0	-24.5	1.50 H	14	6.70	14.80
5	524.70	24.6 QP	46.0	-21.4	1.25 H	169	3.90	20.70
6	544.10	27.2 QP	46.0	-18.8	1.00 H	97	6.10	21.10
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	70.74	24.3 QP	40.0	-15.7	1.50 V	63	12.10	12.20
2	107.60	20.8 QP	43.5	-22.7	1.25 V	9	10.40	10.40
3	140.58	20.7 QP	43.5	-22.8	1.00 V	227	7.10	13.60
4	189.08	28.6 QP	43.5	-14.9	1.00 V	37	16.60	12.00
5	243.40	22.2 QP	46.0	-23.8	1.00 V	97	9.40	12.80
6	297.72	22.7 QP	46.0	-23.3	1.25 V	318	7.90	14.80

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	B2 (Without MSR & Main Ant.)		

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	128.94	35.5 QP	43.5	-8.0	1.25 H	99	22.90	12.60
2	144.46	31.7 QP	43.5	-11.8	1.25 H	88	18.00	13.70
3	227.88	31.3 QP	46.0	-14.7	1.00 H	26	19.10	12.20
4	297.72	28.5 QP	46.0	-17.5	1.00 H	108	13.70	14.80
5	336.52	29.6 QP	46.0	-16.4	1.25 H	106	13.80	15.80
6	365.62	26.8 QP	46.0	-19.2	1.00 H	122	10.20	16.60
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	80.44	31.3 QP	40.0	-8.7	1.00 V	12	21.50	9.80
2	128.94	28.6 QP	43.5	-14.9	1.25 V	146	16.00	12.60
3	189.08	28.3 QP	43.5	-15.2	1.00 V	283	16.30	12.00
4	336.52	30.2 QP	46.0	-15.8	1.25 V	85	14.40	15.80
5	365.62	28.1 QP	46.0	-17.9	1.00 V	75	11.50	16.60
6	431.58	29.7 QP	46.0	-16.3	1.00 V	132	11.40	18.30

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.



A D T

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Anderson Hong
TEST MODE	C1 (Without MSR& Aux Ant.)		

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	82.38	18.7 QP	40.0	-21.3	1.50 H	90	9.20	9.50
2	125.06	22.0 QP	43.5	-21.5	2.00 H	187	9.70	12.30
3	189.08	23.9 QP	43.5	-19.6	1.50 H	99	11.90	12.00
4	297.72	21.7 QP	46.0	-24.3	2.00 H	144	6.90	14.80
5	515.00	24.9 QP	46.0	-21.1	1.00 H	11	4.40	20.50
6	544.10	26.7 QP	46.0	-19.3	1.00 H	11	5.60	21.10
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	82.38	21.0 QP	40.0	-19.0	1.50 V	105	11.50	9.50
2	107.60	22.6 QP	43.5	-20.9	1.00 V	188	12.20	10.40
3	134.76	19.5 QP	43.5	-24.0	1.00 V	285	6.40	13.10
4	189.08	27.6 QP	43.5	-15.9	1.00 V	239	15.60	12.00
5	216.24	20.7 QP	46.0	-25.3	1.00 V	17	8.90	11.80
6	243.40	22.5 QP	46.0	-23.5	1.00 V	343	9.70	12.80

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Anderson Hong
TEST MODE	C2 (Without MSR& Aux Ant.)		

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	140.58	33.7 QP	43.5	-9.8	1.00 H	71	20.10	13.60
2	165.80	30.9 QP	43.5	-12.6	1.50 H	140	17.20	13.70
3	194.90	31.3 QP	43.5	-12.2	1.00 H	193	19.70	11.60
4	233.70	27.3 QP	46.0	-18.7	1.00 H	151	14.90	12.40
5	336.52	31.2 QP	46.0	-14.8	1.00 H	41	15.40	15.80
6	499.48	29.2 QP	46.0	-16.8	1.50 H	86	9.10	20.10
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	144.46	26.7 QP	43.5	-16.8	1.50 V	346	13.00	13.70
2	189.08	28.2 QP	43.5	-15.3	1.50 V	17	16.20	12.00
3	297.72	24.3 QP	46.0	-21.7	1.50 V	55	9.50	14.80
4	336.52	27.4 QP	46.0	-18.6	1.00 V	134	11.60	15.80
5	431.58	31.8 QP	46.0	-14.2	1.00 V	134	13.50	18.30
6	499.48	29.5 QP	46.0	-16.5	1.50 V	17	9.40	20.10

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

- NOTE:** 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100289	Nov. 19, 2011	Nov. 18, 2012
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 29, 2011	Dec. 28, 2012
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Dec. 30, 2011	Dec. 29, 2012
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Jul. 06, 2012	Jul. 05, 2013
Software ADT	BV ADT_Cond_ V7.3.7.3	NA	NA	NA

- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Shielded Room 2.
3. The VCCI Site Registration No. is C-2047.

4.2.3 TEST PROCEDURES

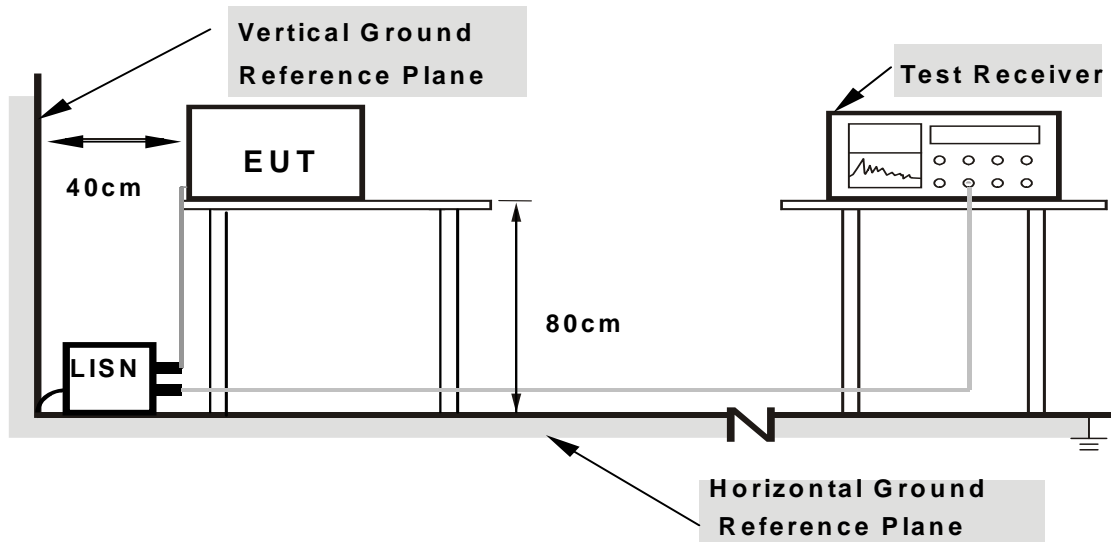
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

4.2.5 TEST SETUP



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

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

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

4.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA :

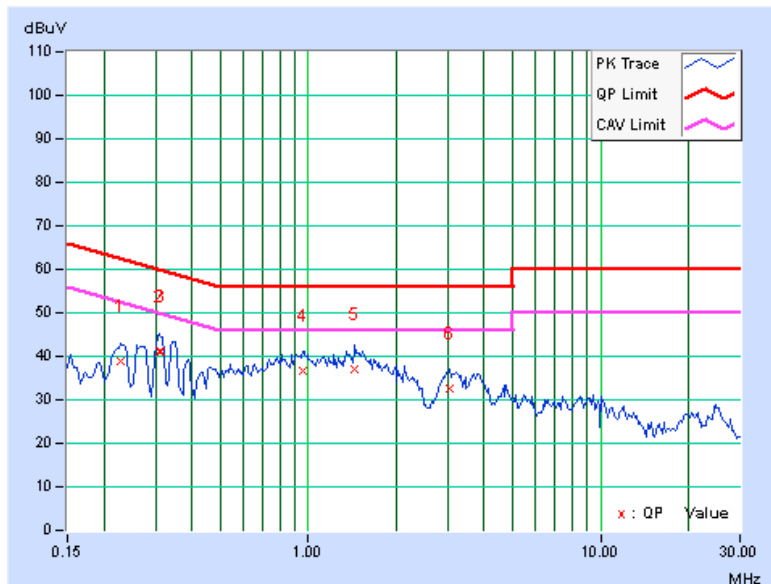
802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	A1 (With MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.22812	0.17	38.65	28.53	38.82	28.70	62.52	52.52	-23.69	-23.81
2	0.31016	0.19	41.03	38.12	41.22	38.31	59.97	49.97	-18.75	-11.66
3	0.31310	0.19	40.83	34.88	41.02	35.07	59.89	49.89	-18.87	-14.82
4	0.95469	0.23	36.55	30.05	36.78	30.28	56.00	46.00	-19.22	-15.72
5	1.44531	0.26	36.60	28.27	36.86	28.53	56.00	46.00	-19.14	-17.47
6	3.06250	0.35	32.11	23.95	32.46	24.30	56.00	46.00	-23.54	-21.70

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

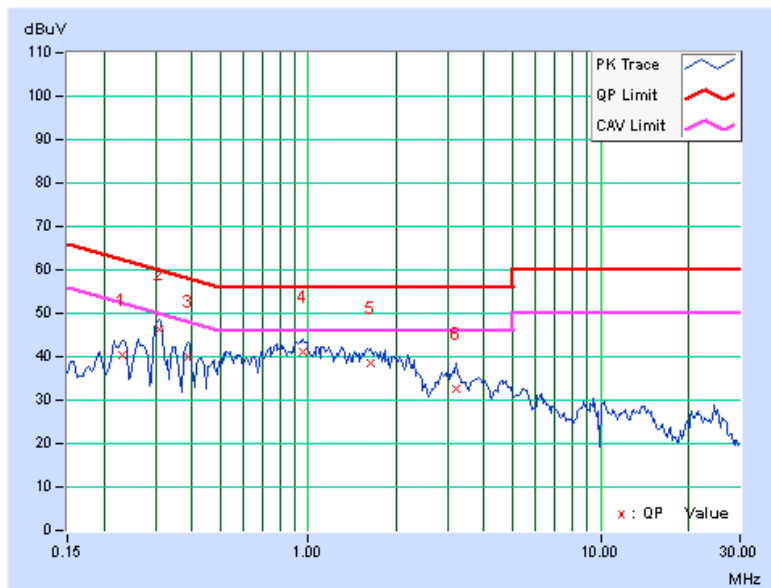


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	A1 (With MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23203	0.15	40.28	32.10	40.43	32.25	62.38	52.38	-21.94	-20.12
2	0.31016	0.17	46.27	43.08	46.44	43.25	59.97	49.97	-13.53	-6.72
3	0.38828	0.18	39.75	37.02	39.93	37.20	58.10	48.10	-18.17	-10.90
4	0.95859	0.19	40.95	33.86	41.14	34.05	56.00	46.00	-14.86	-11.95
5	1.63281	0.24	38.41	31.64	38.65	31.88	56.00	46.00	-17.35	-14.12
6	3.21875	0.34	32.15	25.05	32.49	25.39	56.00	46.00	-23.51	-20.61

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

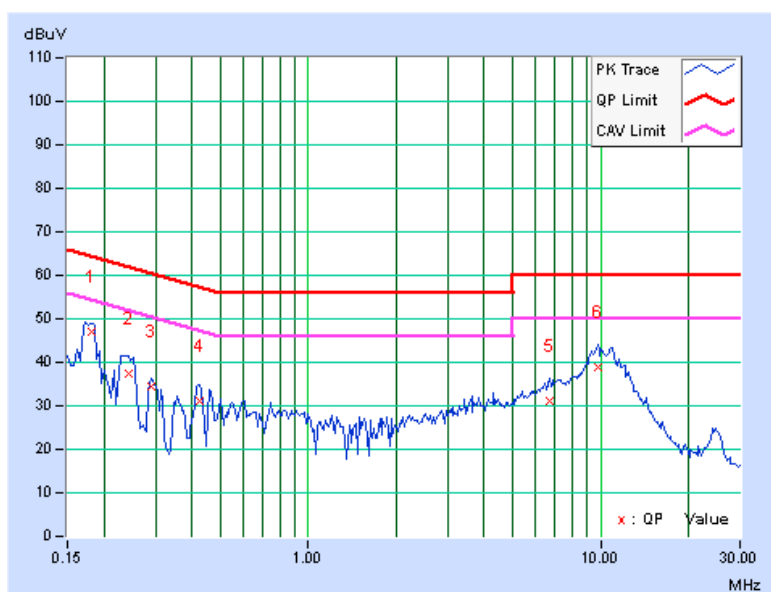


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	A2 (With MSR & Main Ant.)		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18125	0.17	46.72	32.84	46.89	33.01	64.43	54.43	-17.54	-21.42
2	0.24375	0.18	37.34	22.97	37.52	23.15	61.97	51.97	-24.45	-28.82
3	0.29063	0.18	34.30	21.93	34.48	22.11	60.51	50.51	-26.02	-28.39
4	0.42344	0.20	30.91	20.68	31.11	20.88	57.38	47.38	-26.27	-26.50
5	6.70313	0.43	30.75	23.18	31.18	23.61	60.00	50.00	-28.82	-26.39
6	9.82813	0.48	38.55	32.18	39.03	32.66	60.00	50.00	-20.97	-17.34

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

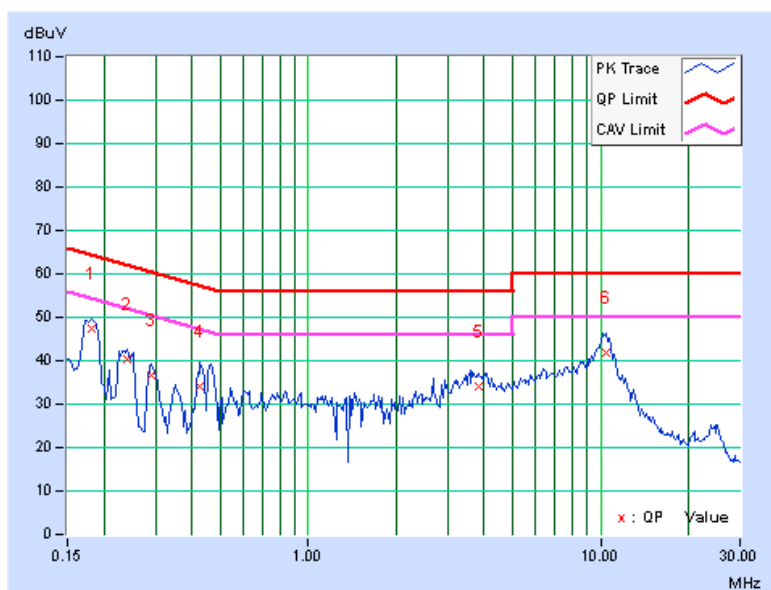


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	A2 (With MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18125	0.16	47.23	35.04	47.39	35.20	64.43	54.43	-17.04	-19.23
2	0.23984	0.16	40.12	30.88	40.28	31.04	62.10	52.10	-21.83	-21.07
3	0.29063	0.16	36.36	27.32	36.52	27.48	60.51	50.51	-23.98	-23.02
4	0.42734	0.18	33.77	17.39	33.95	17.57	57.30	47.30	-23.35	-29.73
5	3.83984	0.37	33.54	25.92	33.91	26.29	56.00	46.00	-22.09	-19.71
6	10.46094	0.58	41.19	34.44	41.77	35.02	60.00	50.00	-18.23	-14.98

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

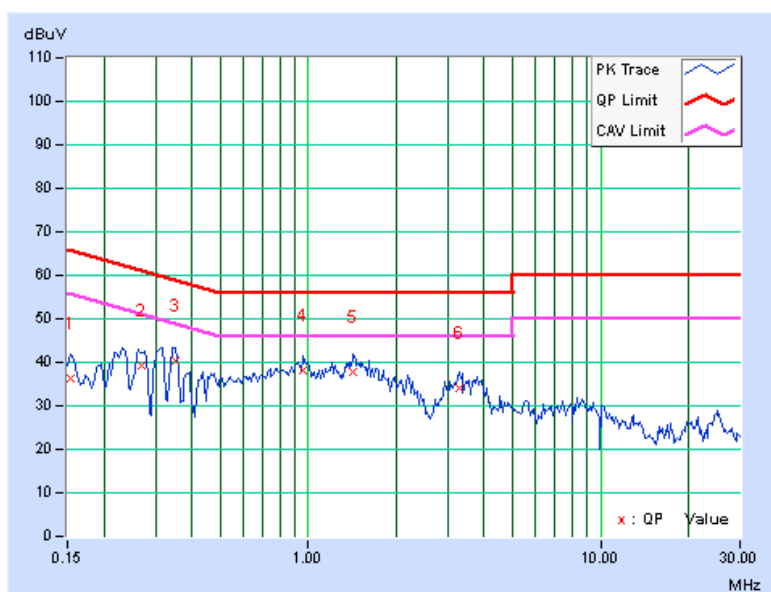


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	B1 (Without MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.17	36.03	28.04	36.20	28.21	65.79	55.79	-29.59	-27.58
2	0.26794	0.18	38.97	29.34	39.15	29.52	61.18	51.18	-22.03	-21.66
3	0.34921	0.19	40.36	33.74	40.55	33.93	58.98	48.98	-18.43	-15.05
4	0.96250	0.23	37.91	32.90	38.14	33.13	56.00	46.00	-17.86	-12.87
5	1.42578	0.26	37.60	30.55	37.86	30.81	56.00	46.00	-18.14	-15.19
6	3.27344	0.36	33.70	22.80	34.06	23.16	56.00	46.00	-21.94	-22.84

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

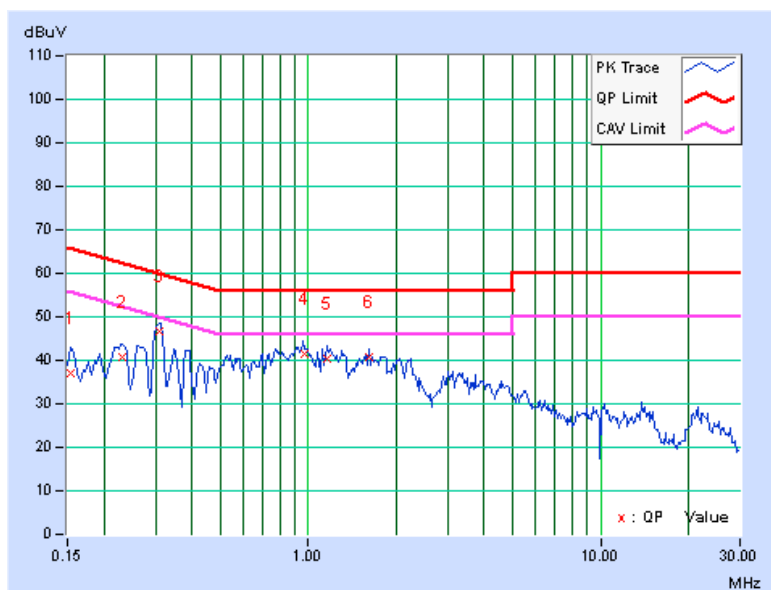


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	B1 (Without MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.17	37.03	31.66	37.20	31.83	65.79	55.79	-28.59	-23.96
2	0.23203	0.15	40.58	32.72	40.73	32.87	62.38	52.38	-21.64	-19.50
3	0.31004	0.17	46.35	43.83	46.52	44.00	59.97	49.97	-13.45	-5.97
4	0.96545	0.19	41.17	35.32	41.36	35.51	56.00	46.00	-14.64	-10.49
5	1.15625	0.20	40.31	33.81	40.51	34.01	56.00	46.00	-15.49	-11.99
6	1.61719	0.24	40.40	34.38	40.64	34.62	56.00	46.00	-15.36	-11.38

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

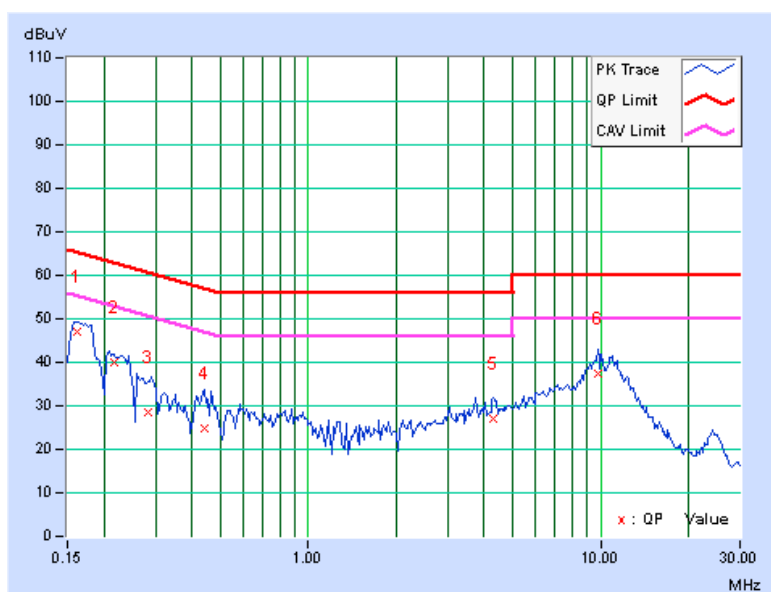


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	B2 (Without MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16172	0.17	47.03	31.57	47.20	31.74	65.38	55.38	-18.18	-23.64
2	0.21641	0.17	39.73	24.40	39.90	24.57	62.96	52.96	-23.05	-28.38
3	0.28281	0.18	28.47	10.36	28.65	10.54	60.73	50.73	-32.08	-40.19
4	0.43906	0.20	24.59	11.05	24.79	11.25	57.08	47.08	-32.29	-35.83
5	4.30859	0.39	26.54	18.98	26.93	19.37	56.00	46.00	-29.07	-26.63
6	9.79688	0.48	36.90	30.38	37.38	30.86	60.00	50.00	-22.62	-19.14

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

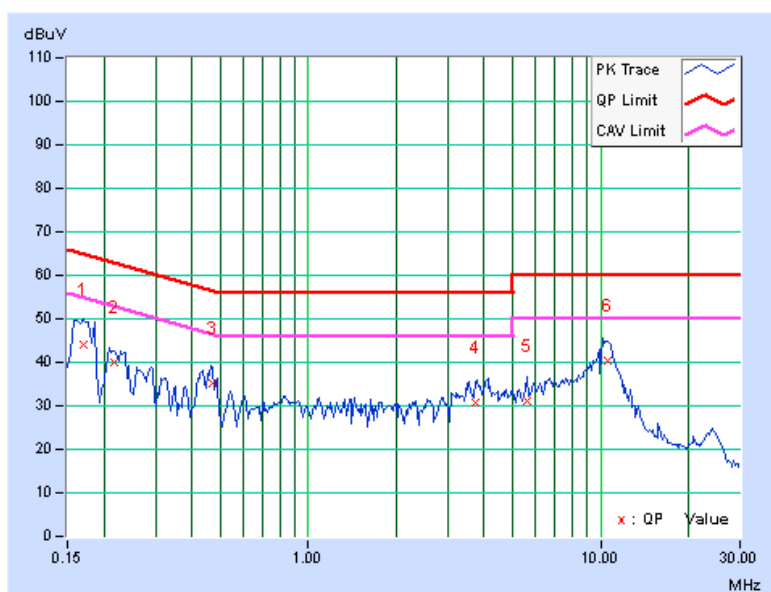


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	B2 (Without MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.16	43.78	29.29	43.94	29.45	64.98	54.98	-21.04	-25.53
2	0.21641	0.15	39.93	26.70	40.08	26.85	62.96	52.96	-22.87	-26.10
3	0.47031	0.18	35.02	27.08	35.20	27.26	56.51	46.51	-21.31	-19.25
4	3.72266	0.36	30.47	22.12	30.83	22.48	56.00	46.00	-25.17	-23.52
5	5.64063	0.43	30.65	23.06	31.08	23.49	60.00	50.00	-28.92	-26.51
6	10.52344	0.58	39.77	33.88	40.35	34.46	60.00	50.00	-19.65	-15.54

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



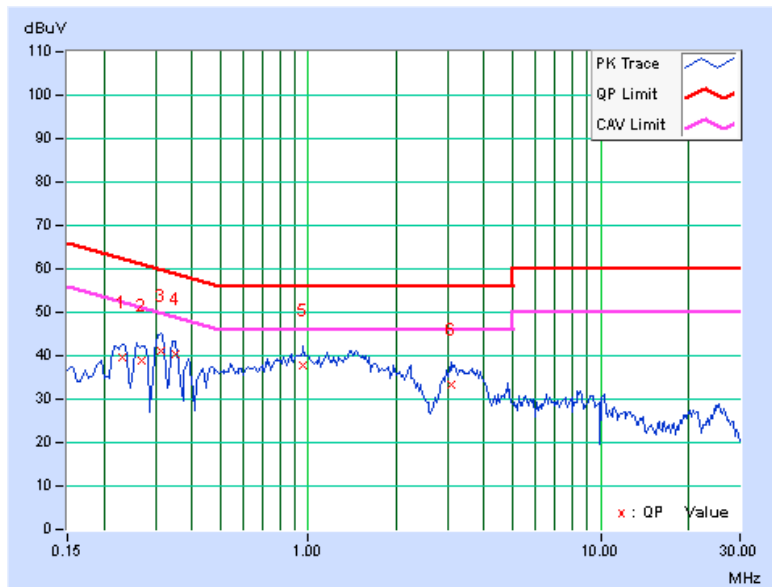
802.11g

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	C1 (Without MSR& Aux Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23203	0.17	39.41	29.50	39.58	29.67	62.38	52.38	-22.79	-22.70
2	0.26877	0.18	38.59	28.45	38.77	28.63	61.16	51.16	-22.39	-22.53
3	0.31406	0.19	40.77	34.22	40.96	34.41	59.86	49.86	-18.91	-15.46
4	0.34922	0.19	40.20	33.26	40.39	33.45	58.98	48.98	-18.59	-15.53
5	0.95859	0.23	37.49	31.44	37.72	31.67	56.00	46.00	-18.28	-14.33
6	3.07031	0.35	32.96	24.31	33.31	24.66	56.00	46.00	-22.69	-21.34

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

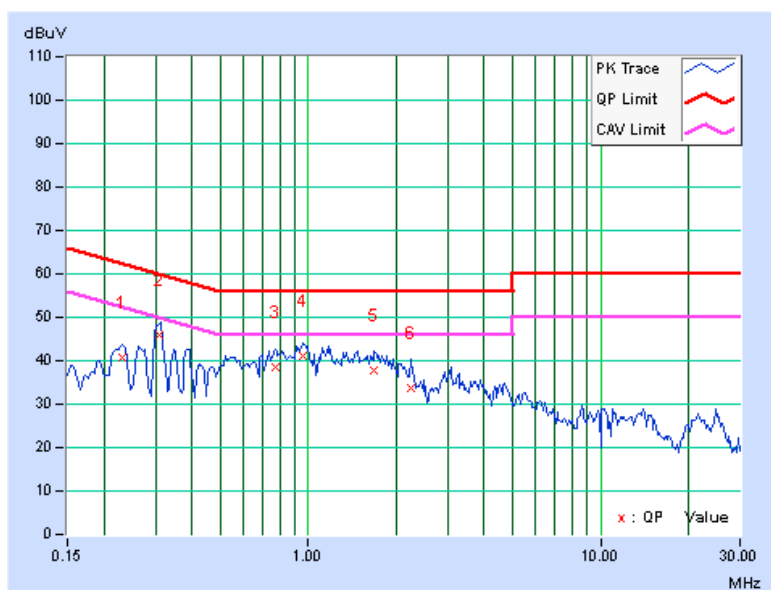


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	C1 (Without MSR& Aux Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23203	0.15	40.44	32.04	40.59	32.19	62.38	52.38	-21.78	-20.18
2	0.31024	0.17	45.93	42.33	46.10	42.50	59.96	49.96	-13.87	-7.47
3	0.77500	0.19	38.30	33.41	38.49	33.60	56.00	46.00	-17.51	-12.40
4	0.95859	0.19	40.93	34.26	41.12	34.45	56.00	46.00	-14.88	-11.55
5	1.67188	0.24	37.59	31.22	37.83	31.46	56.00	46.00	-18.17	-14.54
6	2.25000	0.28	33.37	25.71	33.65	25.99	56.00	46.00	-22.35	-20.01

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

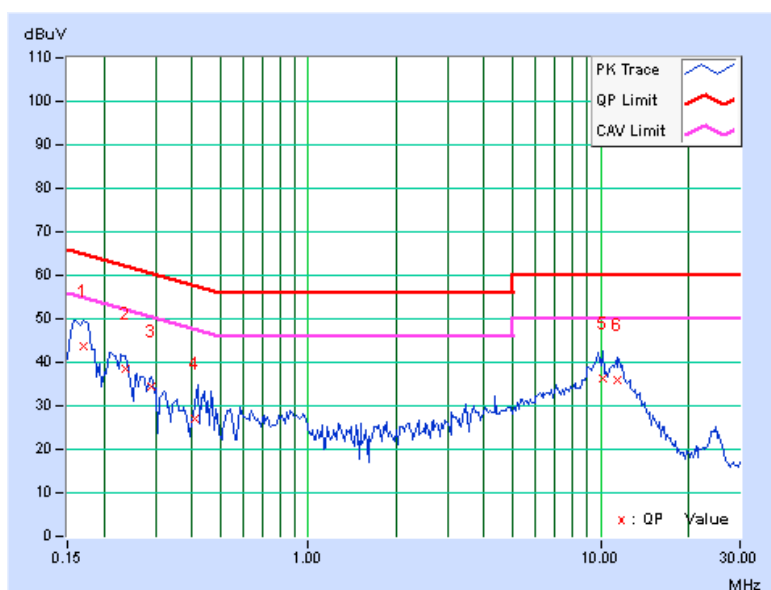


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	C2 (Without MSR& Aux Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.17	43.40	28.68	43.57	28.85	64.98	54.98	-21.41	-26.13
2	0.23594	0.18	38.51	23.61	38.69	23.79	62.24	52.24	-23.55	-28.45
3	0.29063	0.18	34.11	20.63	34.29	20.81	60.51	50.51	-26.21	-29.69
4	0.40682	0.20	26.83	19.57	27.03	19.77	57.71	47.71	-30.68	-27.94
5	10.21484	0.49	35.85	29.81	36.34	30.30	60.00	50.00	-23.66	-19.70
6	11.40234	0.52	35.55	29.56	36.07	30.08	60.00	50.00	-23.93	-19.92

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

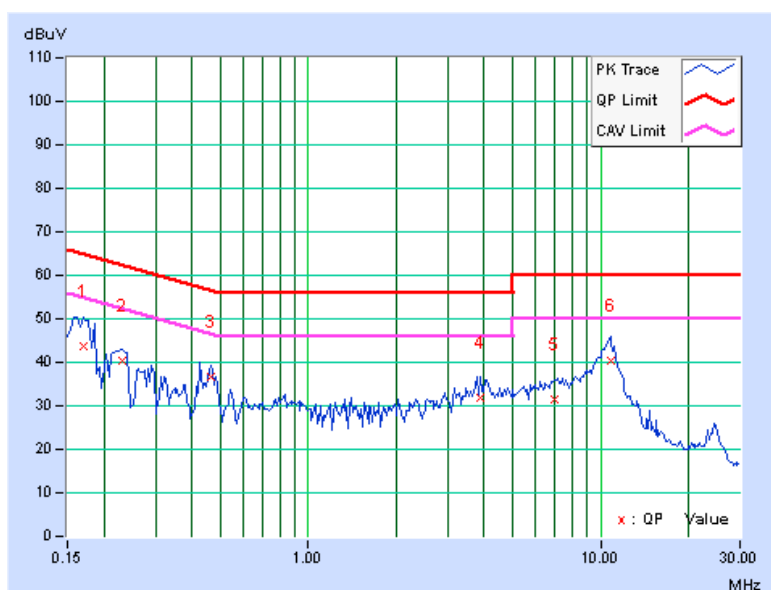


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	C2 (Without MSR& Aux Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.16	43.56	29.69	43.72	29.85	64.98	54.98	-21.26	-25.13
2	0.23203	0.15	40.28	28.10	40.43	28.25	62.38	52.38	-21.94	-24.12
3	0.46641	0.18	36.60	29.92	36.78	30.10	56.58	46.58	-19.80	-16.48
4	3.88672	0.37	31.51	22.96	31.88	23.33	56.00	46.00	-24.12	-22.67
5	6.98438	0.47	31.00	24.04	31.47	24.51	60.00	50.00	-28.53	-25.49
6	10.81641	0.59	39.74	34.13	40.33	34.72	60.00	50.00	-19.67	-15.28

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

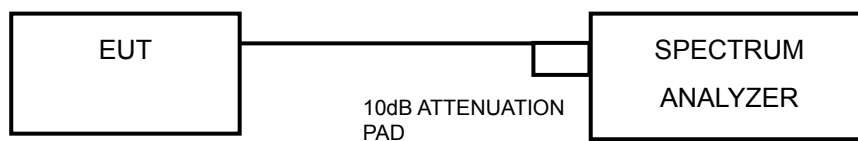


4.3 6dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST SETUP



4.3.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

4.3.4 TEST PROCEDURE

- Set resolution bandwidth (RBW) = approximately 1% of the emission bandwidth
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- 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

4.3.5 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

Test Mode A1 (With MSR& Main Ant.)

802.11b

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	11.27	0.5	PASS
6	2437	10.31	0.5	PASS
11	2462	9.12	0.5	PASS

802.11g

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	16.08	0.5	PASS
6	2437	15.96	0.5	PASS
11	2462	15.96	0.5	PASS

802.11n (20MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	17.37	0.5	PASS
6	2437	17.29	0.5	PASS
11	2462	17.20	0.5	PASS

Test Mode B1 (Without MSR & Main Ant.)

802.11b

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	12.14	0.5	PASS
6	2437	10.29	0.5	PASS
11	2462	10.28	0.5	PASS

802.11g

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	15.85	0.5	PASS
6	2437	16.06	0.5	PASS
11	2462	16.04	0.5	PASS

802.11n (20MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	17.33	0.5	PASS
6	2437	17.26	0.5	PASS
11	2462	17.26	0.5	PASS



A D T

Test Mode C1 (Without MSR & Aux Ant.)**802.11b**

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	12.16	0.5	PASS
6	2437	10.31	0.5	PASS
11	2462	9.62	0.5	PASS

802.11g

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	16.25	0.5	PASS
6	2437	16.19	0.5	PASS
11	2462	16.05	0.5	PASS

802.11n (20MHz)

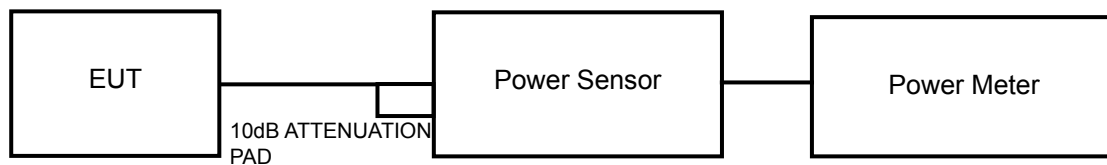
CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	17.17	0.5	PASS
6	2437	17.51	0.5	PASS
11	2462	17.33	0.5	PASS

4.4 CONDUCTED OUTPUT POWER

4.4.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

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

4.4.2 TEST SETUP



4.4.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

4.4.4 TEST PROCEDURES

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

4.4.5 DEVIATION FROM TEST STANDARD

No deviation.

4.4.6 EUT OPERATING CONDITIONS

Same as Item 4.3.6.

4.4.7 TEST RESULTS

Test Mode A1 (With MSR& Main Ant.)

802.11b

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate			
				1Mbps	2Mbps	5.5Mbps	11Mbps
CH 1	2412 MHz	24000	MAIN	23.21	23.18	23.11	23.19
CH 6	2437 MHz	24000	MAIN	22.94	22.90	22.86	22.84
CH 11	2462 MHz	22000	MAIN	21.53	21.42	21.48	21.49
CH 12	2467 MHz	0	MAIN	-9.71	-9.75	-9.77	-9.80
CH 13	2472 MHz	0	MAIN	-9.69	-9.73	-9.75	-9.78

802.11g

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate							
				6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 1	2412 MHz	21000	MAIN	23.33	23.31	23.22	23.26	23.27	23.20	23.30	23.24
CH 6	2437 MHz	24000	MAIN	23.53	23.44	23.48	23.50	23.51	23.45	23.44	23.41
CH 11	2462 MHz	19000	MAIN	23.51	23.42	23.49	23.46	23.41	23.49	23.50	23.43
CH 12	2467 MHz	0	MAIN	-6.22	-6.24	-6.27	-6.3	-6.33	-6.35	-6.38	-6.41
CH 13	2472 MHz	0	MAIN	-6.19	-6.22	-6.25	-6.28	-6.30	-6.32	-6.36	-6.39

802.11n (20MHz)

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate							
				MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 1	2412 MHz	20000	MAIN	23.46	23.41	23.42	23.40	23.44	23.37	23.38	23.39
CH 6	2437 MHz	24000	MAIN	23.57	23.50	23.51	23.48	23.49	23.48	23.53	23.52
CH 11	2462 MHz	18500	MAIN	23.20	23.18	23.11	23.08	23.16	23.14	23.13	23.17
CH 12	2467 MHz	0	MAIN	-6.52	-6.55	-6.58	-6.61	-6.63	-6.67	-6.70	-6.73
CH 13	2472 MHz	0	MAIN	-6.20	-6.22	-6.24	-6.27	-6.30	-6.33	-6.35	-6.38

Test Mode B1 (Without MSR & Main Ant.)

802.11b

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate			
				1Mbps	2Mbps	5.5Mbps	11Mbps
CH 1	2412 MHz	24000	MAIN	23.60	23.59	23.54	23.55
CH 6	2437 MHz	24000	MAIN	23.34	23.30	22.98	22.91
CH 11	2462 MHz	24000	MAIN	23.54	23.51	23.50	23.48
CH 12	2467 MHz	0	MAIN	-9.64	-9.68	-9.71	-9.93
CH 13	2472 MHz	0	MAIN	-9.58	-9.61	-9.63	-9.66

802.11g

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate							
				6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 1	2412 MHz	21000	MAIN	23.49	23.41	23.48	23.40	23.46	23.44	23.38	23.45
CH 6	2437 MHz	24000	MAIN	23.61	23.60	23.59	23.55	23.57	23.58	23.51	23.50
CH 11	2462 MHz	21000	MAIN	23.60	23.54	23.58	23.51	23.59	23.49	23.51	23.53
CH 12	2467 MHz	0	MAIN	-6.15	-6.18	-6.22	-6.24	-6.27	-6.25	-6.28	-6.30
CH 13	2472 MHz	0	MAIN	-6.11	-6.13	-6.16	-6.20	-6.21	-6.23	-6.22	-6.25

802.11n (20MHz)

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate							
				MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 1	2412 MHz	20500	MAIN	23.46	23.40	23.41	23.43	23.38	23.37	23.31	23.30
CH 6	2437 MHz	24000	MAIN	23.67	23.55	23.56	23.59	23.58	23.51	23.53	23.57
CH 11	2462 MHz	21500	MAIN	23.65	23.62	23.64	23.61	23.55	23.54	23.59	23.56
CH 12	2467 MHz	0	MAIN	-6.48	-6.51	-6.54	-6.56	-6.59	-6.62	-6.64	-6.66
CH 13	2472 MHz	0	MAIN	-6.16	-6.19	-6.22	-6.25	-6.27	-6.3	-6.32	-6.35

Test Mode C1 (Without MSR & Aux Ant.)

802.11b

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate			
				1Mbps	2Mbps	5.5Mbps	11Mbps
CH 1	2412 MHz	24000	AUX	23.90	23.83	23.80	23.84
CH 6	2437 MHz	24000	AUX	23.45	23.40	23.44	23.38
CH 11	2462 MHz	23500	AUX	23.38	23.36	23.33	23.31
CH 12	2467 MHz	0	AUX	-9.60	-9.63	-9.65	-9.68
CH 13	2472 MHz	0	AUX	-9.65	-9.67	-9.69	-9.72

802.11g

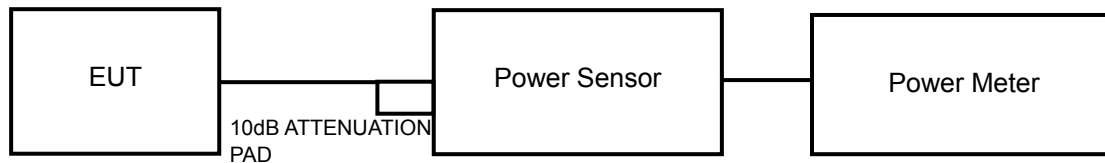
Channel	Frequency (MHz)	Power Setting	Chain	Data Rate							
				6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 1	2412 MHz	23500	AUX	23.30	23.28	23.26	23.24	23.21	23.20	23.29	23.20
CH 6	2437 MHz	24000	AUX	23.66	23.60	23.63	23.55	23.59	23.57	23.61	23.60
CH 11	2462 MHz	20500	AUX	23.64	23.60	23.61	23.63	23.59	23.55	23.58	23.59
CH 12	2467 MHz	0	AUX	-6.50	-6.53	-6.56	-6.57	-6.59	-6.61	-6.63	-6.65
CH 13	2472 MHz	0	AUX	-6.54	-6.57	-6.59	-6.61	-6.63	-6.66	-6.69	-6.71

802.11n (20MHz)

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate							
				MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 1	2412 MHz	21000	AUX	23.43	23.40	23.38	23.37	23.36	23.36	23.37	23.42
CH 6	2437 MHz	24000	AUX	23.54	21.50	21.48	21.53	21.45	21.42	21.49	21.51
CH 11	2462 MHz	20500	AUX	23.51	23.48	23.47	23.46	23.50	23.49	23.44	23.48
CH 12	2467 MHz	0	AUX	-6.78	-6.81	-6.83	-6.85	-6.87	-6.9	-6.92	-6.94
CH 13	2472 MHz	0	AUX	-6.86	-6.86	-6.89	-6.92	-6.94	-6.96	-6.98	-6.70

4.5 AVERAGE OUTPUT POWER

4.5.1 TEST SETUP



4.5.2 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

4.5.3 TEST PROCEDURES

A 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 average power level.

4.5.4 EUT OPERATING CONDITIONS

Same as Item 4.3.6.

4.5.5 TEST RESULTS

Test Mode A1 (With MSR& Main Ant.)

802.11b

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate
				1Mbps
CH 1	2412 MHz	24000	MAIN	22.23
CH 6	2437 MHz	24000	MAIN	22.21
CH 11	2462 MHz	22000	MAIN	19.47
CH 12	2467 MHz	0	MAIN	-15.63
CH 13	2472 MHz	0	MAIN	-15.65

802.11g

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate
				6Mbps
CH 1	2412 MHz	21000	MAIN	18.13
CH 6	2437 MHz	24000	MAIN	21.97
CH 11	2462 MHz	19000	MAIN	16.31
CH 12	2467 MHz	0	MAIN	-16.02
CH 13	2472 MHz	0	MAIN	-15.86

802.11n (20MHz)

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate
				MCS0
CH 1	2412 MHz	20000	MAIN	17.43
CH 6	2437 MHz	24000	MAIN	21.89
CH 11	2462 MHz	18500	MAIN	15.65
CH 12	2467 MHz	0	MAIN	-16.11
CH 13	2472 MHz	0	MAIN	-15.99

Test Mode B1 (Without MSR & Main Ant.)

802.11b

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate
				1Mbps
CH 1	2412 MHz	24000	MAIN	22.59
CH 6	2437 MHz	24000	MAIN	22.49
CH 11	2462 MHz	24000	MAIN	22.39
CH 12	2467 MHz	0	MAIN	-15.50
CH 13	2472 MHz	0	MAIN	-15.60

802.11g

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate
				6Mbps
CH 1	2412 MHz	21000	MAIN	18.35
CH 6	2437 MHz	24000	MAIN	22.60
CH 11	2462 MHz	21000	MAIN	17.72
CH 12	2467 MHz	0	MAIN	-15.91
CH 13	2472 MHz	0	MAIN	-15.75

802.11n (20MHz)

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate
				MCS0
CH 1	2412 MHz	20500	MAIN	17.91
CH 6	2437 MHz	24000	MAIN	21.89
CH 11	2462 MHz	21500	MAIN	18.10
CH 12	2467 MHz	0	MAIN	-16.01
CH 13	2472 MHz	0	MAIN	-15.93

Test Mode C1 (Without MSR & Aux Ant.)

802.11b

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate
				1Mbps
CH 1	2412 MHz	24000	AUX	22.43
CH 6	2437 MHz	24000	AUX	22.28
CH 11	2462 MHz	23500	AUX	21.76
CH 12	2467 MHz	0	AUX	-15.50
CH 13	2472 MHz	0	AUX	-15.72

802.11g

Channel	Frequency (MHz)	Power Setting	Chain	Data Rate
				6Mbps
CH 1	2412 MHz	23500	AUX	21.62
CH 6	2437 MHz	24000	AUX	21.90
CH 11	2462 MHz	20500	AUX	17.39
CH 12	2467 MHz	0	AUX	-16.44
CH 13	2472 MHz	0	AUX	-16.39

802.11n (20MHz)

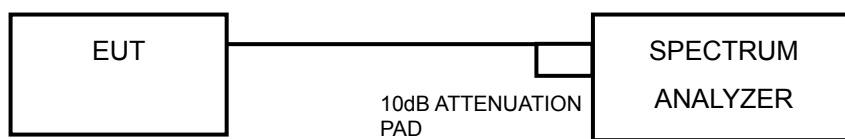
Channel	Frequency (MHz)	Power Setting	Chain	Data Rate
				MCS0
CH 1	2412 MHz	21000	AUX	18.10
CH 6	2437 MHz	24000	AUX	21.85
CH 11	2462 MHz	20500	AUX	17.24
CH 12	2467 MHz	0	AUX	-16.40
CH 13	2472 MHz	0	AUX	-16.69

4.6 POWER SPECTRAL DENSITY MEASUREMENT

4.6.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

4.6.2 TEST SETUP



4.6.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

4.6.4 TEST PROCEDURE

- Set the RBW = 100 kHz, VBW = 300 kHz, Detector = peak.
- Sweep time = auto couple, Trace mode = max hold, allow trace to fully stabilize.
- Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.
- Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(3 \text{ kHz}/100\text{kHz})$

4.6.5 DEVIATION FROM TEST STANDARD

No deviation.

4.6.6 EUT OPERATING CONDITION

Same as Item 4.3.6

4.6.7 TEST RESULTS

Test Mode A1 (With MSR& Main Ant.)

802.11b

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	12.69	-2.54	8	PASS
6	2437	12.48	-2.75	8	PASS
11	2462	10.90	-4.33	8	PASS

802.11g

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	6.89	-8.34	8	PASS
6	2437	7.04	-8.19	8	PASS
11	2462	7.15	-8.08	8	PASS

802.11n (20MHz)

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	6.09	-9.14	8	PASS
6	2437	6.42	-8.81	8	PASS
11	2462	5.83	-9.40	8	PASS

Test Mode B1 (Without MSR & Main Ant.)

802.11b

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	12.99	-2.24	8	PASS
6	2437	12.71	-2.52	8	PASS
11	2462	12.93	-2.30	8	PASS

802.11g

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	8.02	-7.21	8	PASS
6	2437	8.08	-7.15	8	PASS
11	2462	7.91	-7.32	8	PASS

802.11n (20MHz)

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	7.42	-7.81	8	PASS
6	2437	11.30	-3.93	8	PASS
11	2462	8.06	-7.17	8	PASS

Test Mode C1 (Without MSR & Aux Ant.)

802.11b

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	12.58	-2.65	8	PASS
6	2437	12.37	-2.86	8	PASS
11	2462	12.13	-3.10	8	PASS

802.11g

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	11.67	-3.56	8	PASS
6	2437	11.78	-3.45	8	PASS
11	2462	6.69	-8.54	8	PASS

802.11n (20MHz)

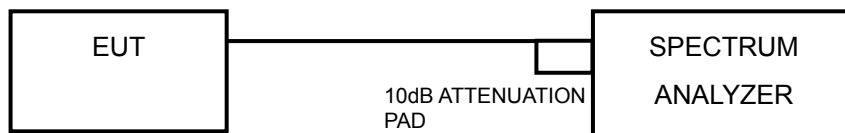
Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	7.89	-7.34	8	PASS
6	2437	12.06	-3.17	8	PASS
11	2462	6.63	-8.60	8	PASS

4.7 CONDUCTED OUT OF BAND EMISSION MEASUREMENT

4.7.1 LIMITS OF CONDUCTED OUT OF BAND EMISSION MEASUREMENT

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

4.7.2 TEST SETUP



4.7.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

4.7.4 TEST PROCEDURE

MEASUREMENT PROCEDURE REF

1. Set the RBW = 100 kHz.
2. Set the VBW \geq 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 OOB

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

4.7.5 DEVIATION FROM TEST STANDARD

No deviation.

4.7.6 EUT OPERATING CONDITION

Same as Item 4.3.6

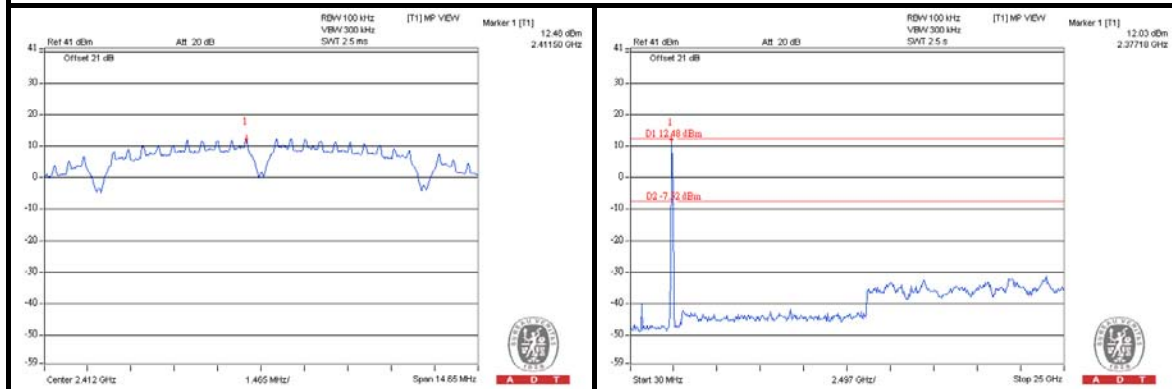
4.7.7 TEST RESULTS

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement.

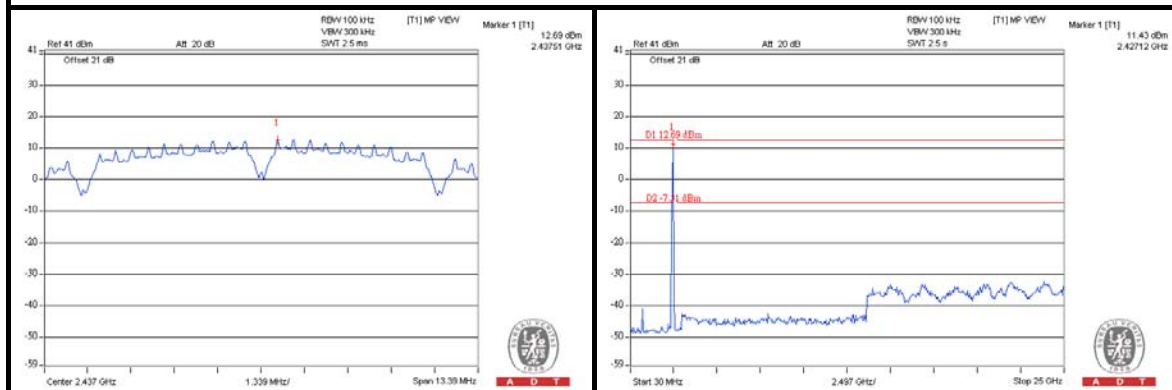
Test Mode A1 (With MSR& Main Ant.)

802.11b

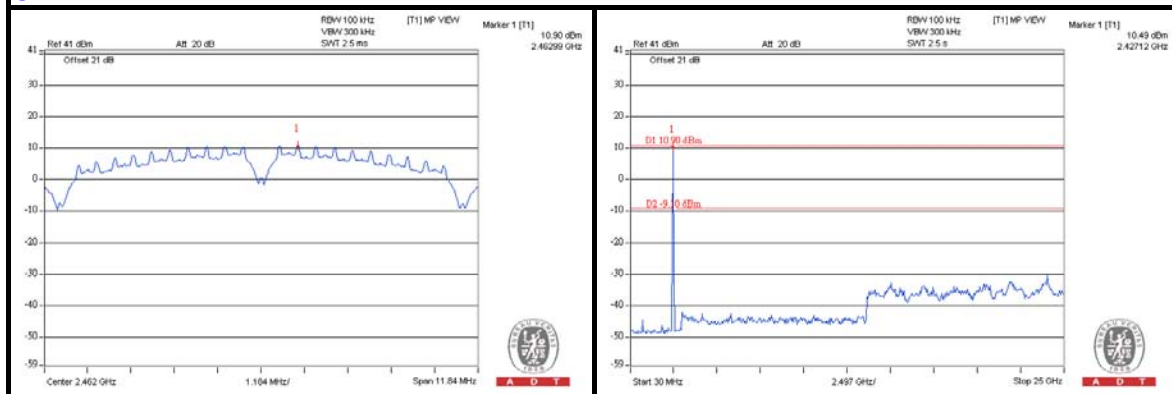
CH 1



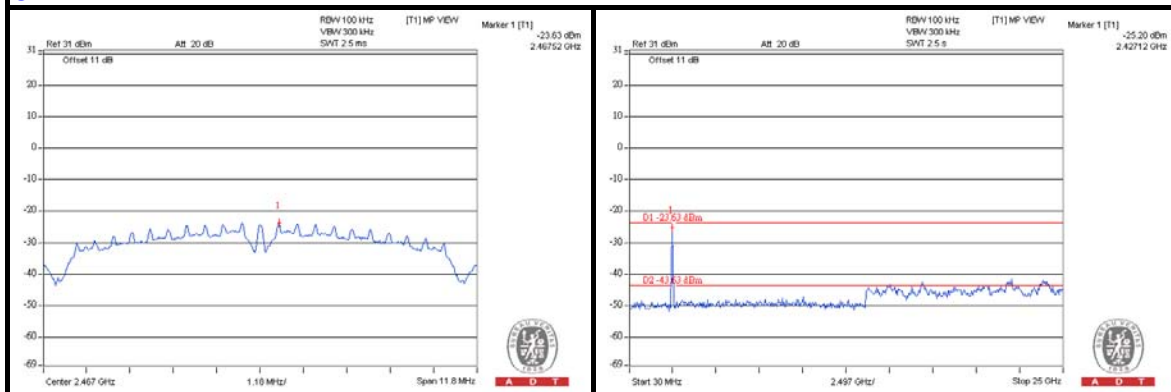
CH 6



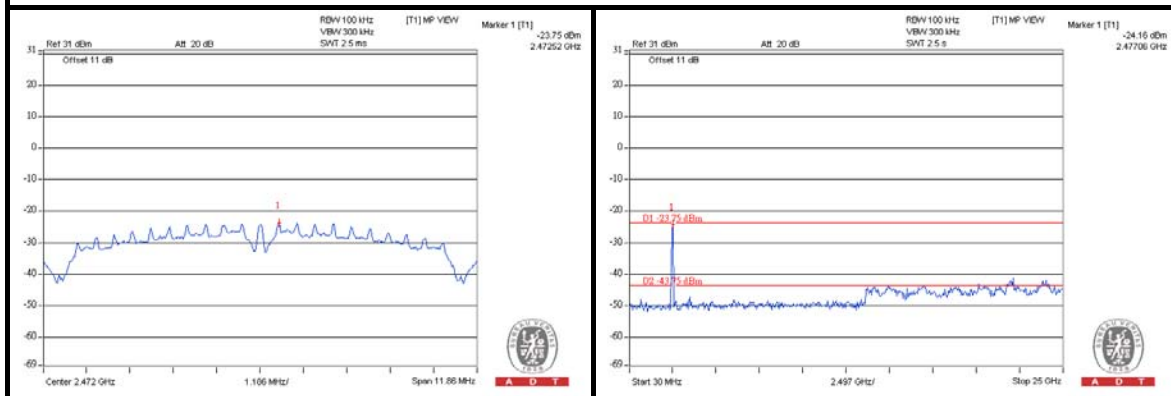
CH 11



CH 12

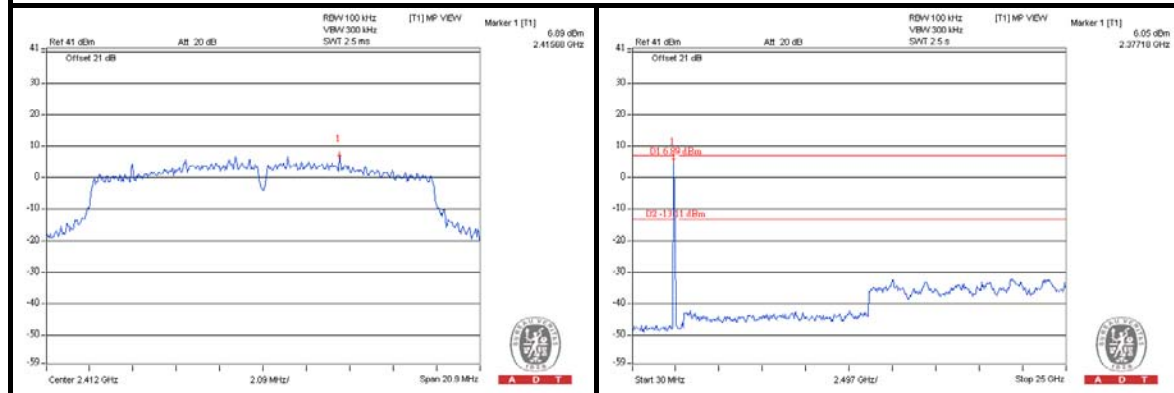


CH 13

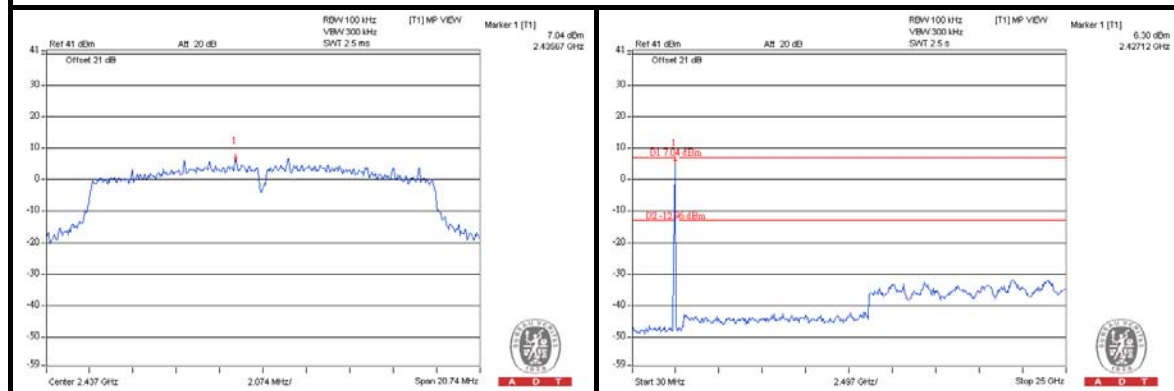


802.11g

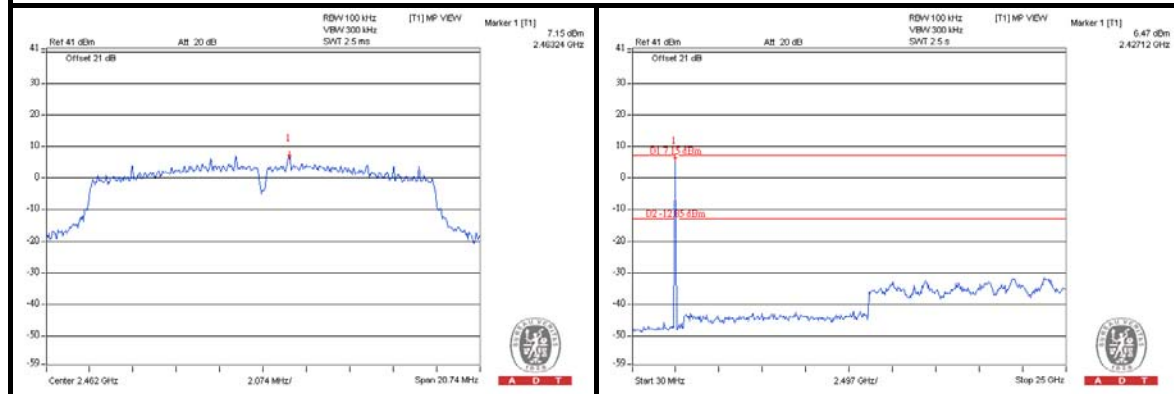
CH 1



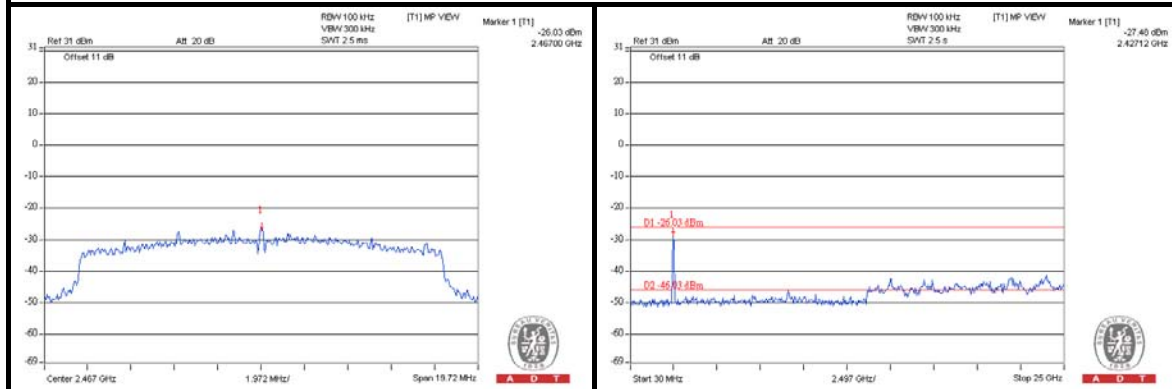
CH 6



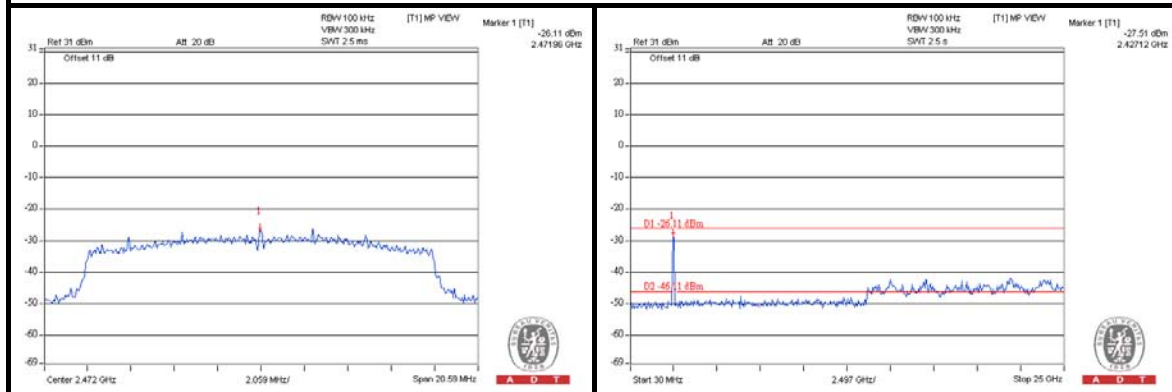
CH 11



CH 12

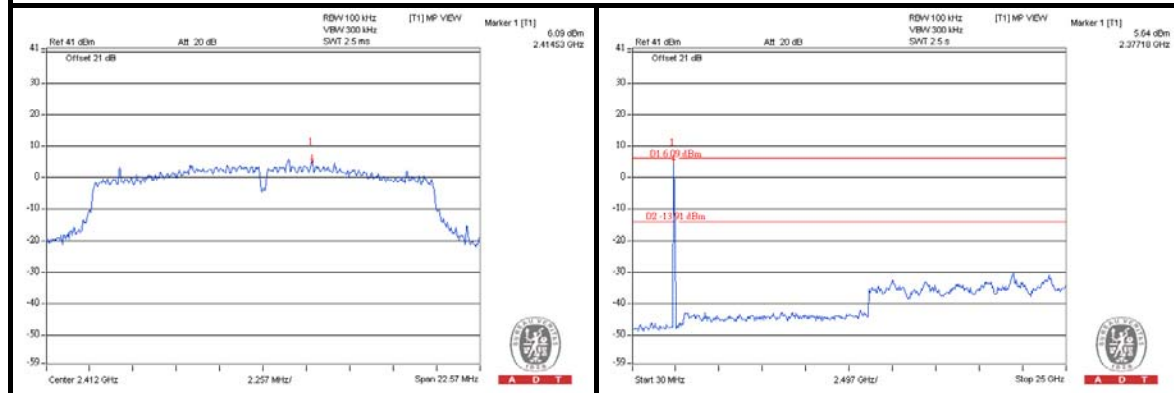


CH 13

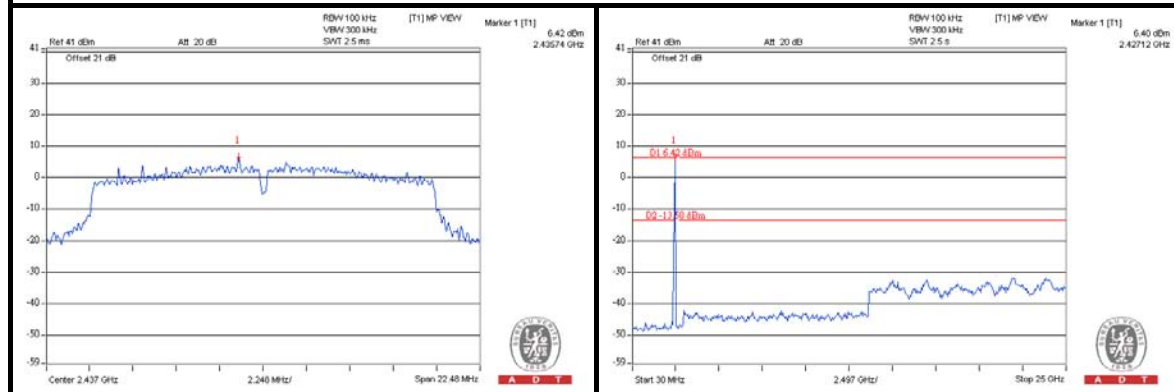


802.11n (20MHz)

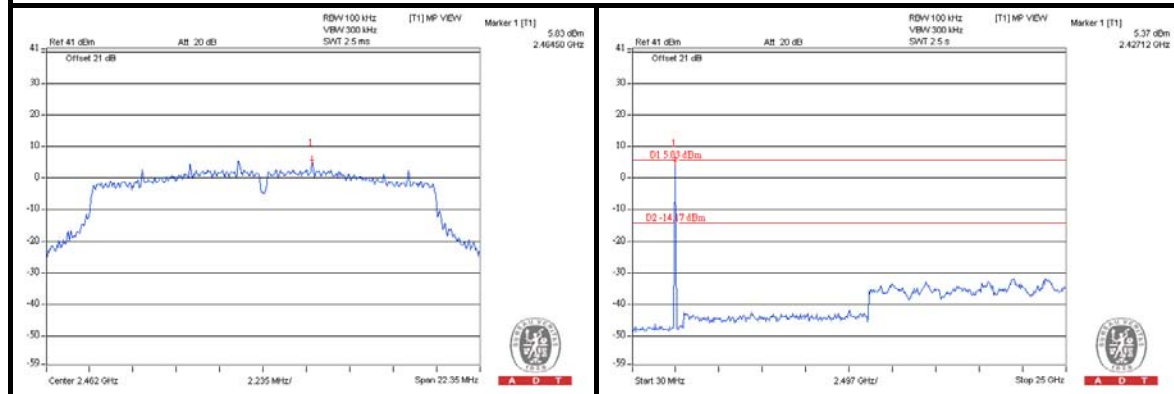
CH 1



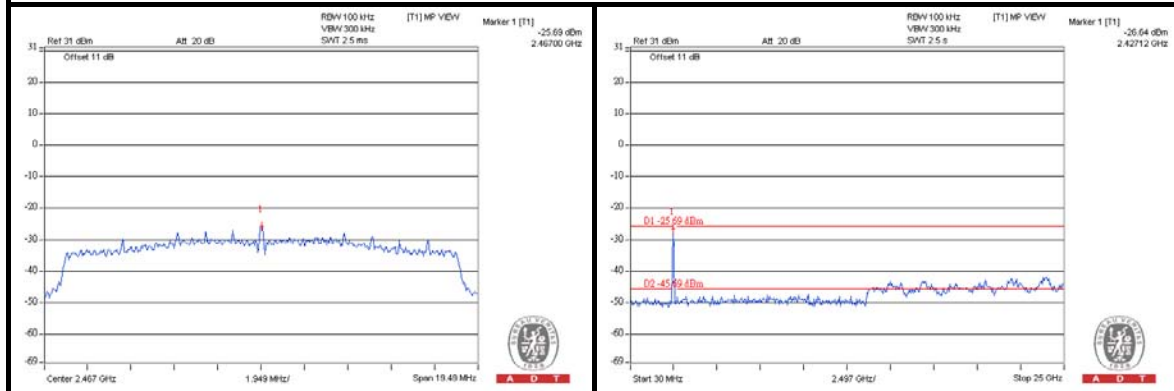
CH 6



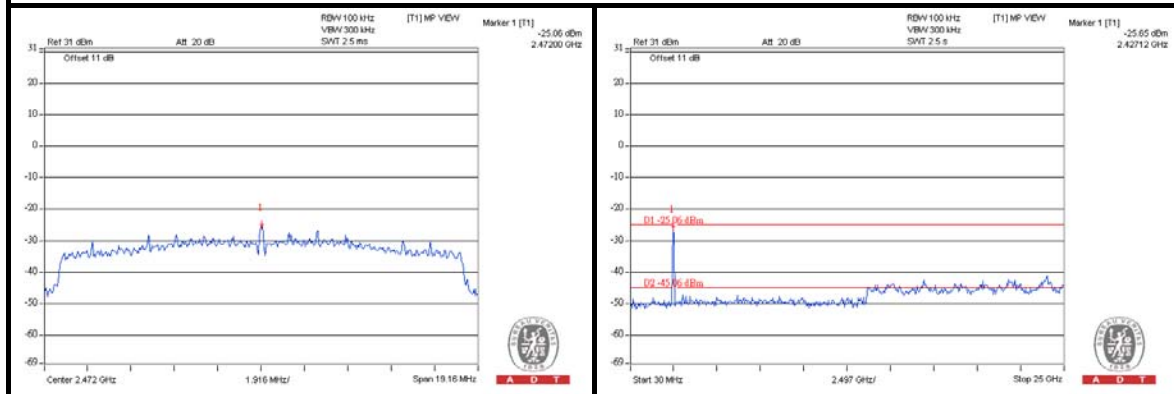
CH 11



CH 12



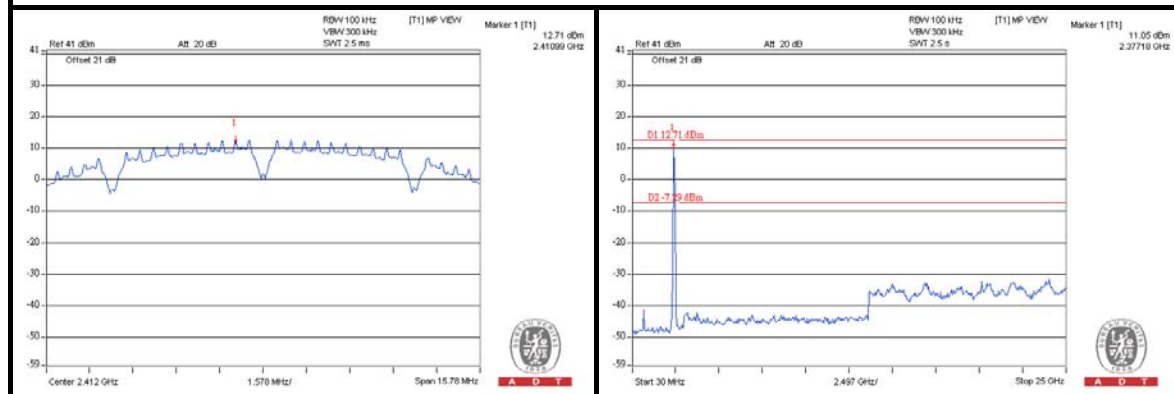
CH 13



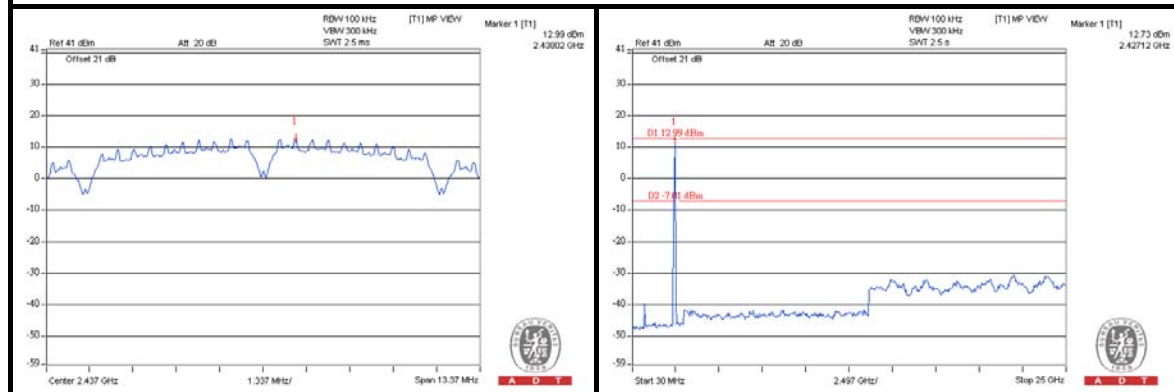
Test Mode B1 (Without MSR & Main Ant.)

802.11b

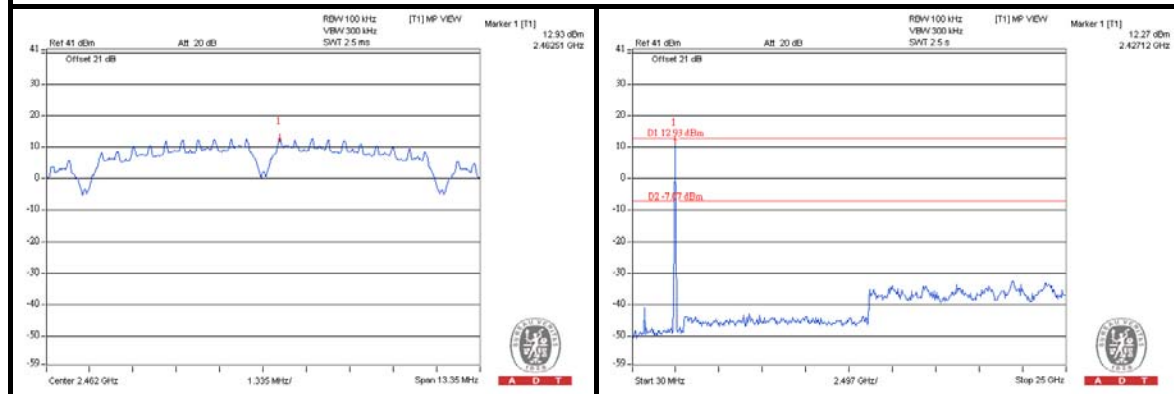
CH 1



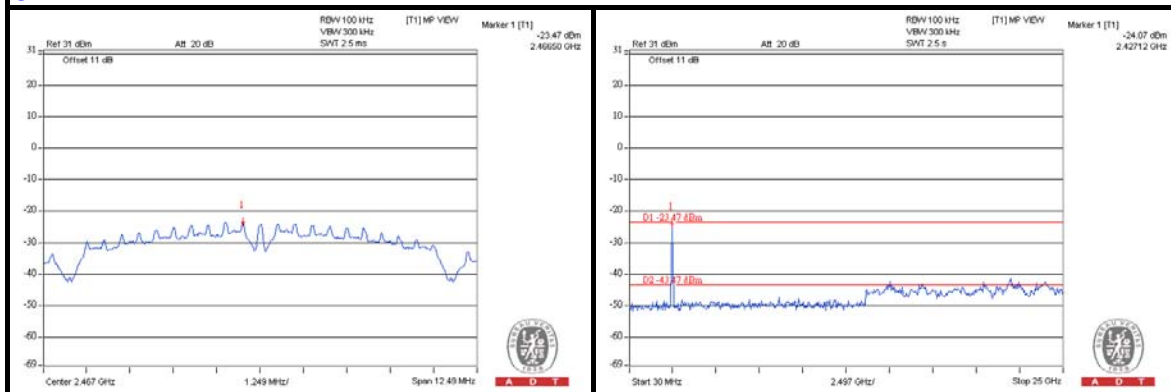
CH 6



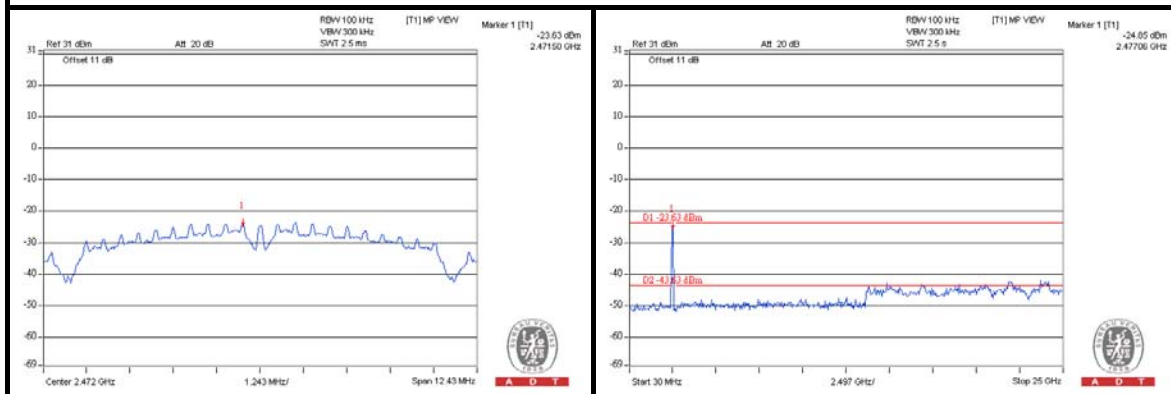
CH 11



CH 12

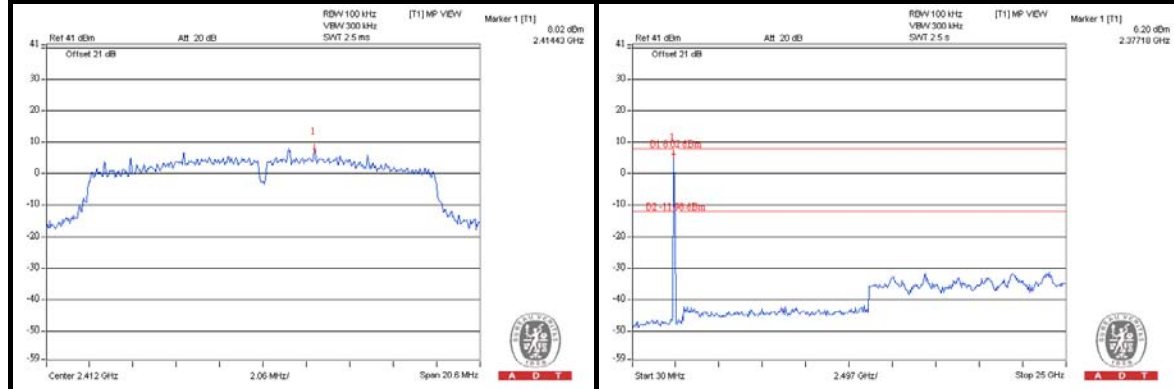


CH 13

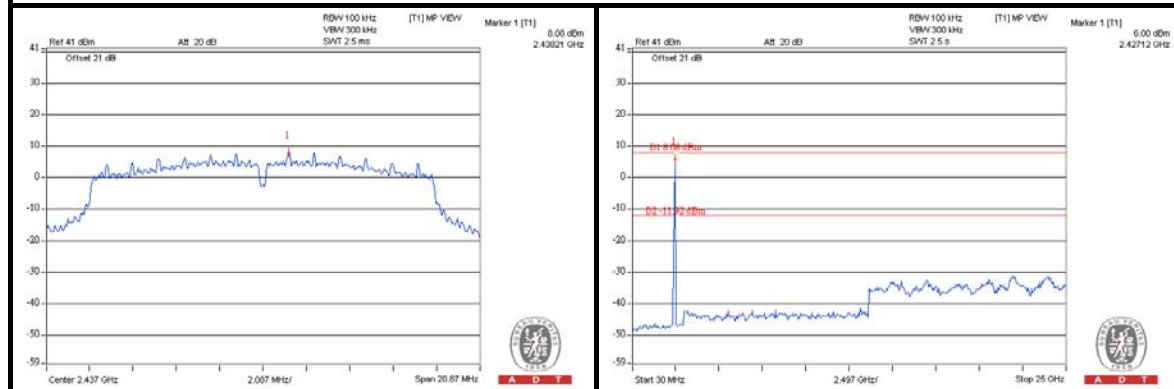


802.11g

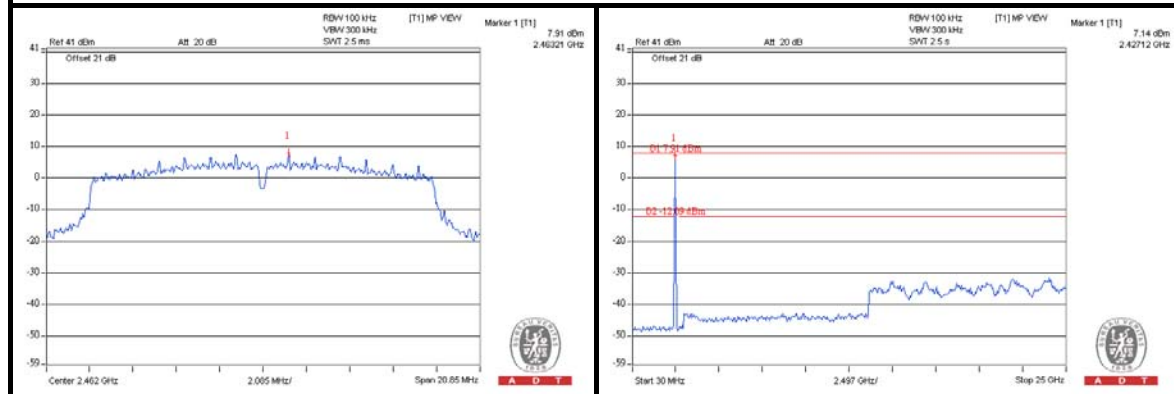
CH 1



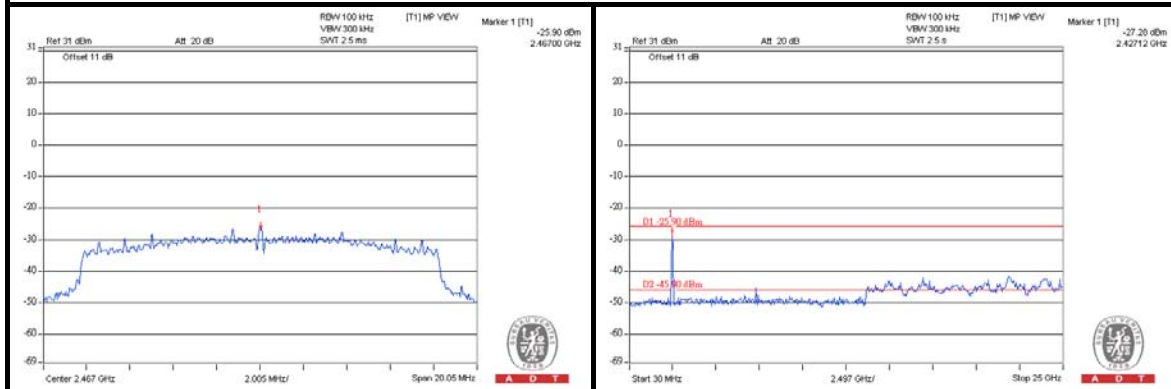
CH 6



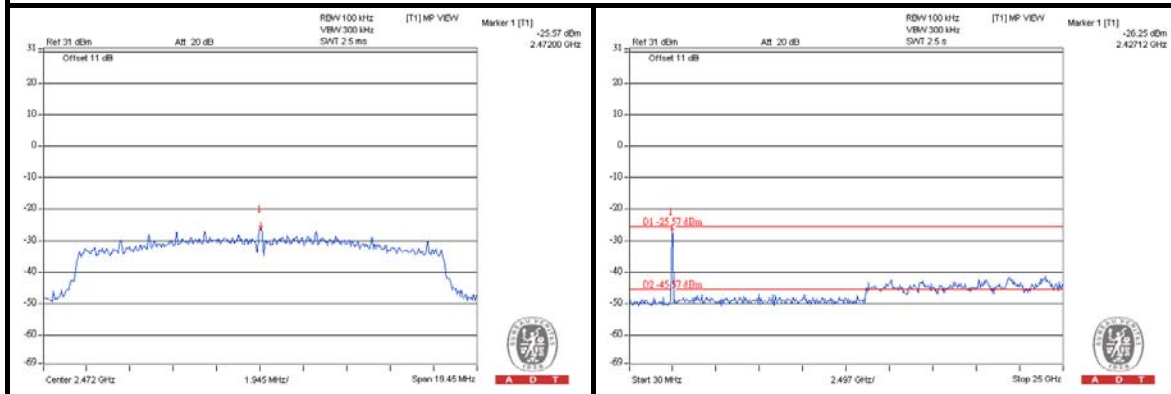
CH 11



CH 12

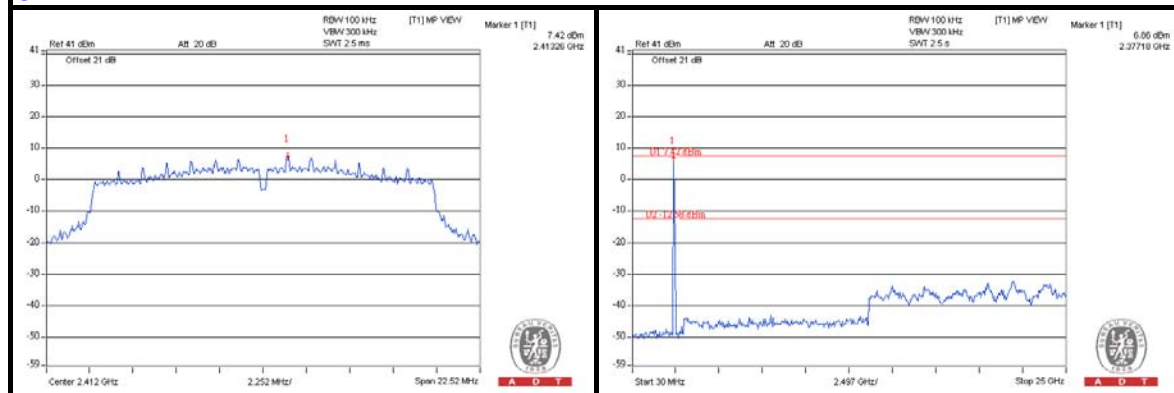


CH 13

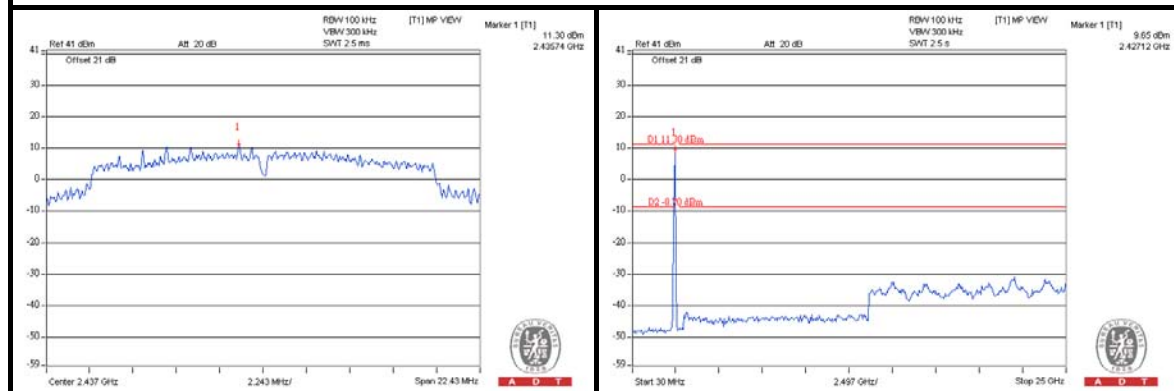


802.11n (20MHz)

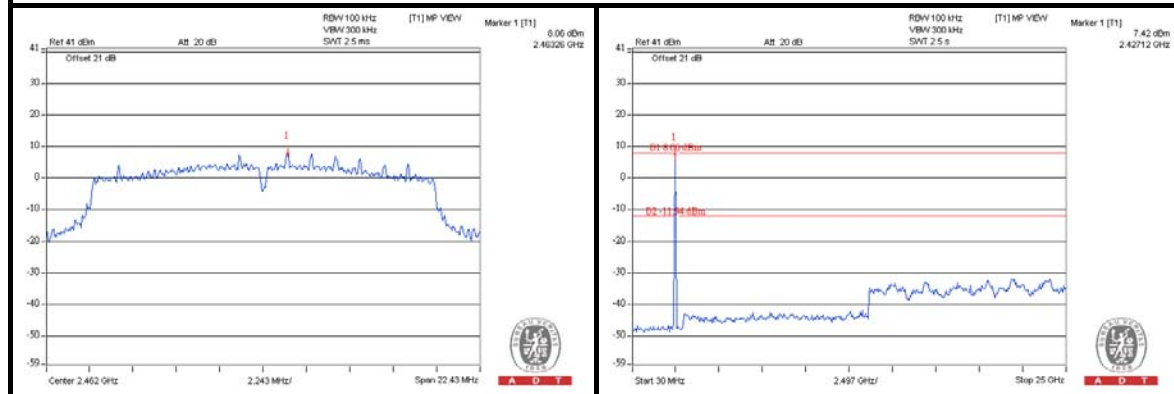
CH 1



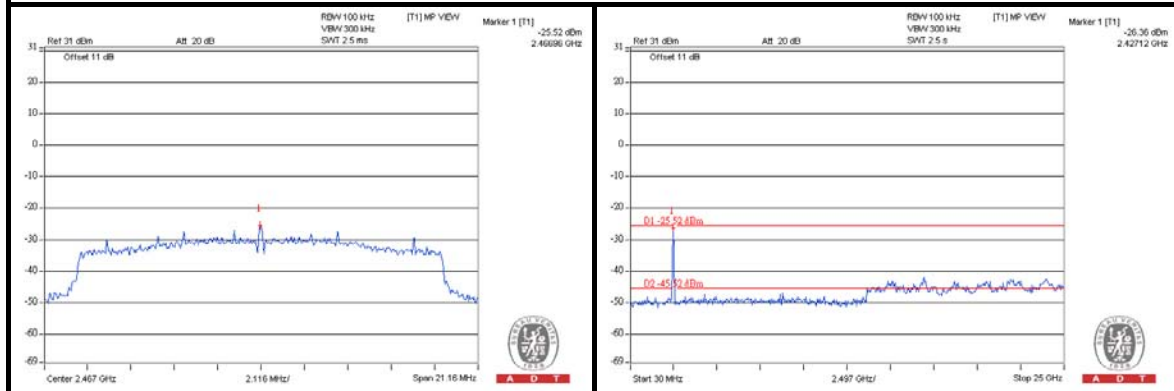
CH 6



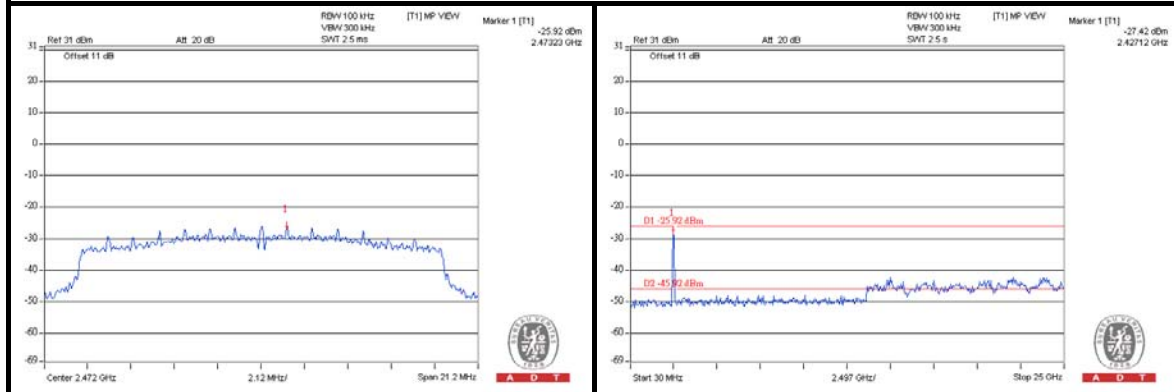
CH 11



CH 12



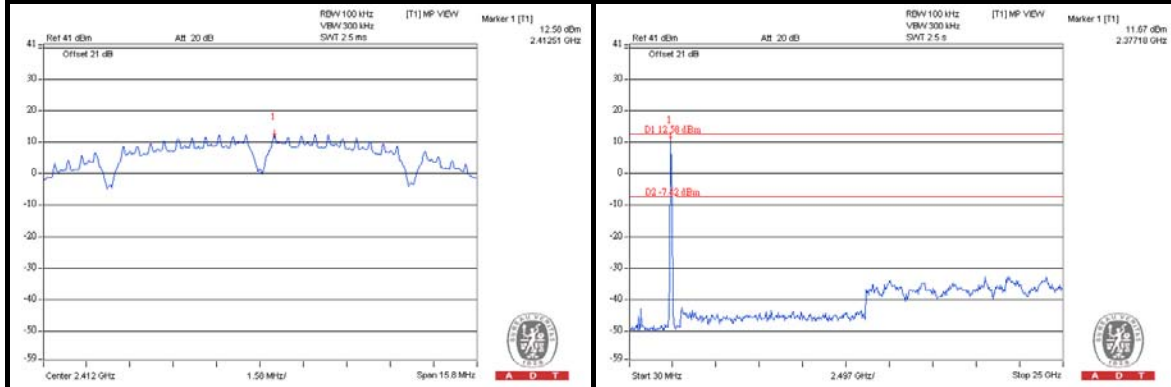
CH 13



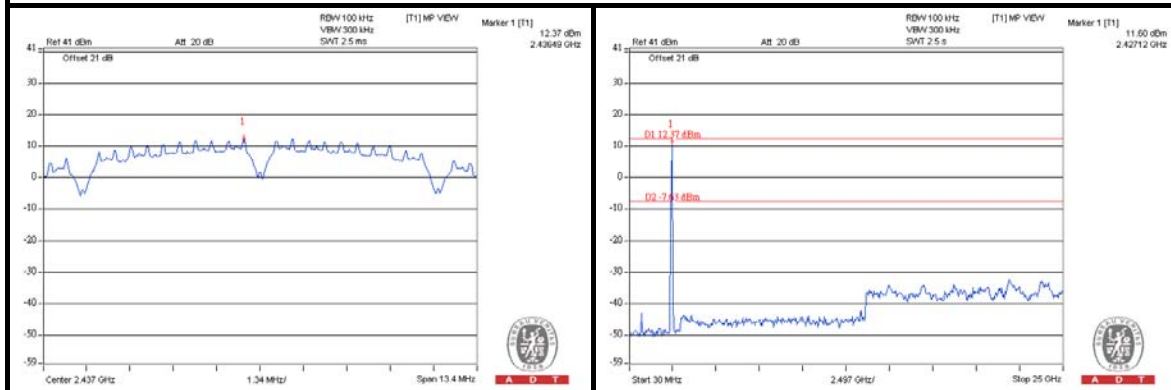
Test Mode C1 (Without MSR & Aux Ant.)

802.11b

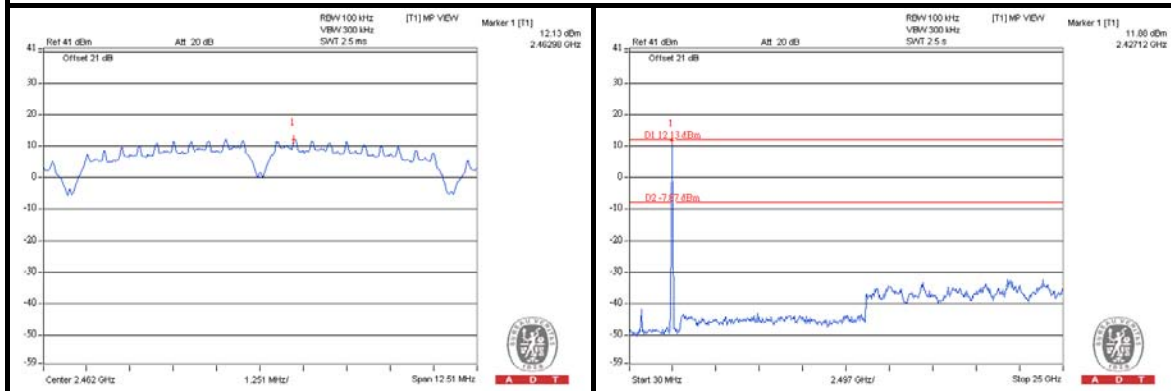
CH 1



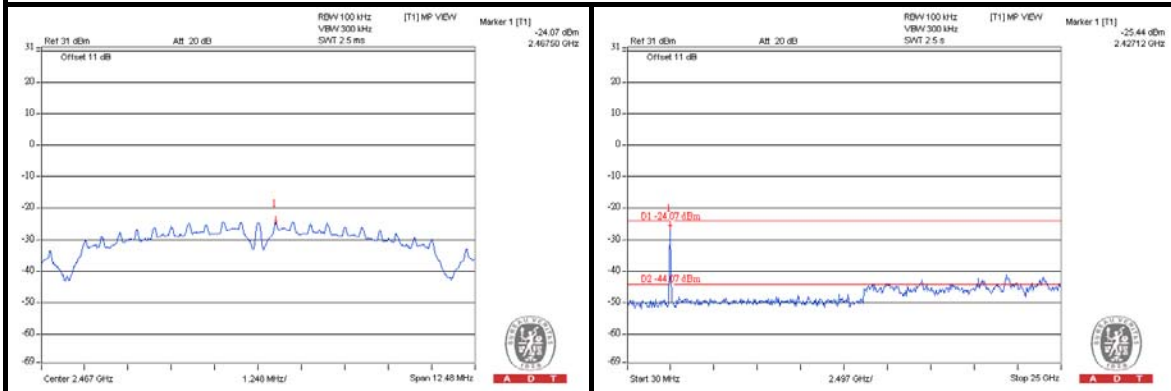
CH 6



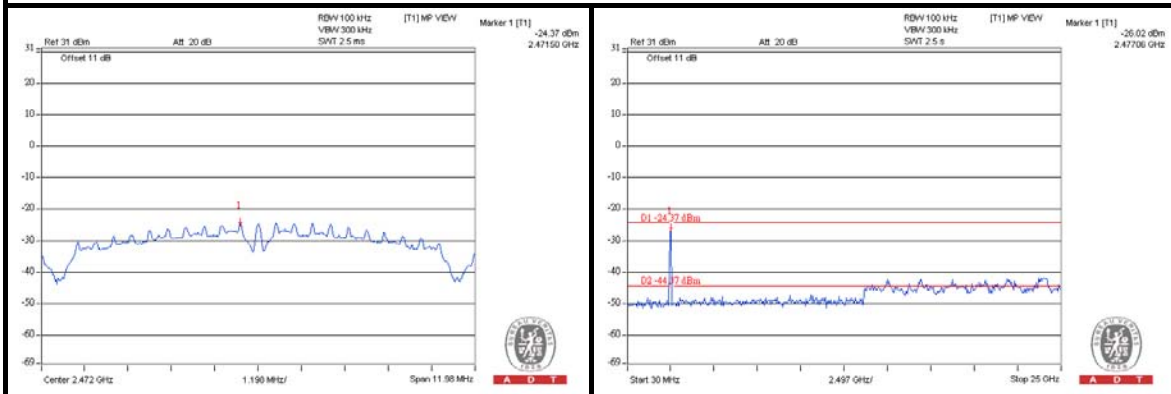
CH 11



CH 12

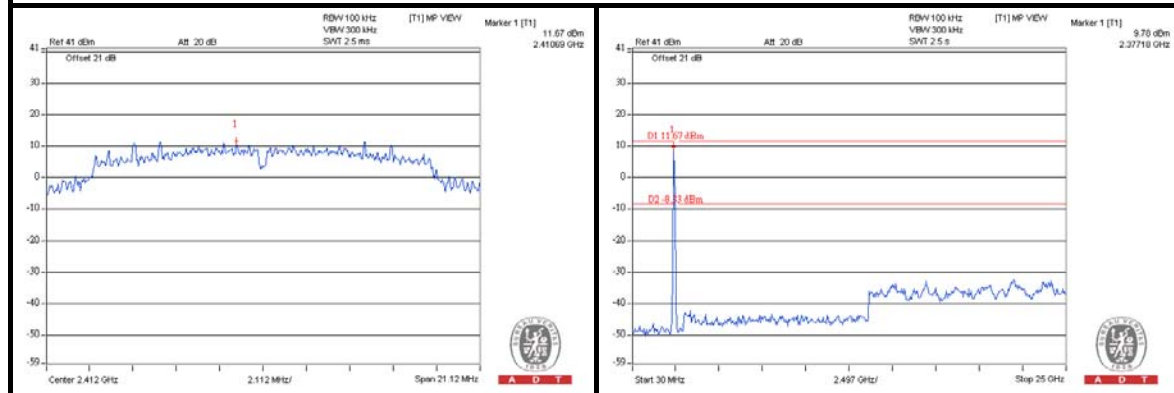


CH 13

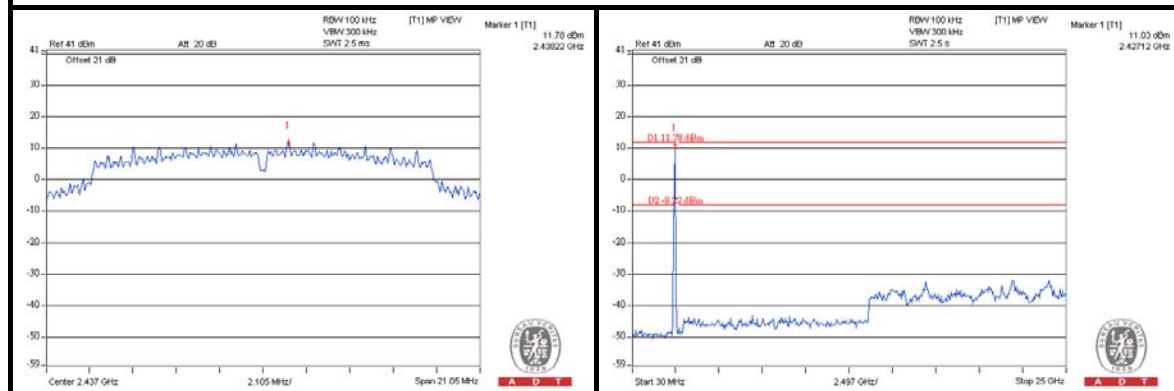


802.11g

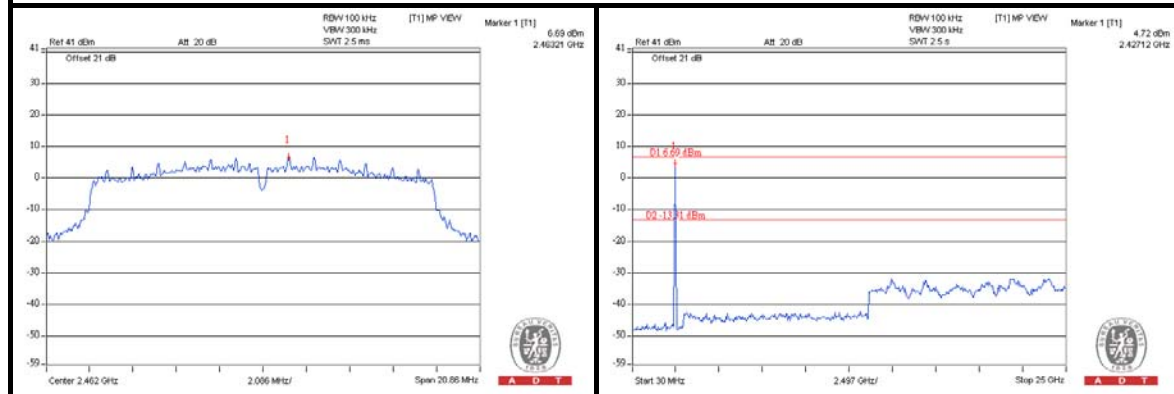
CH 1



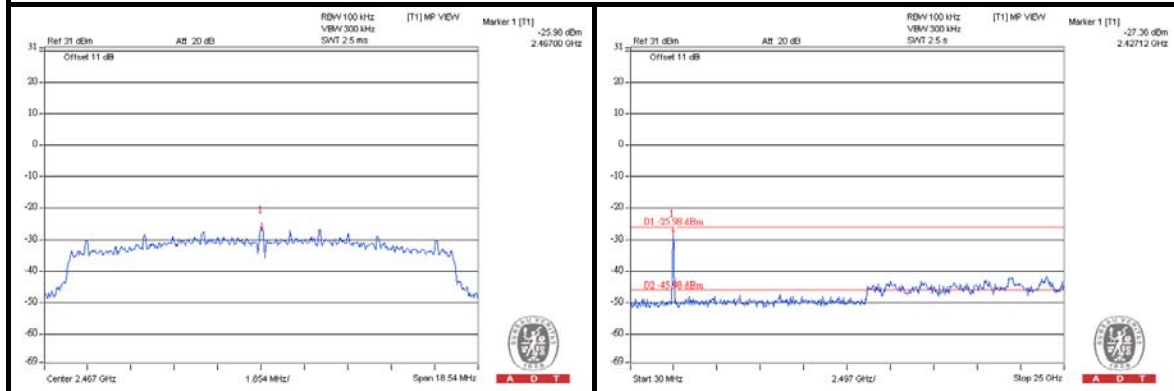
CH 6



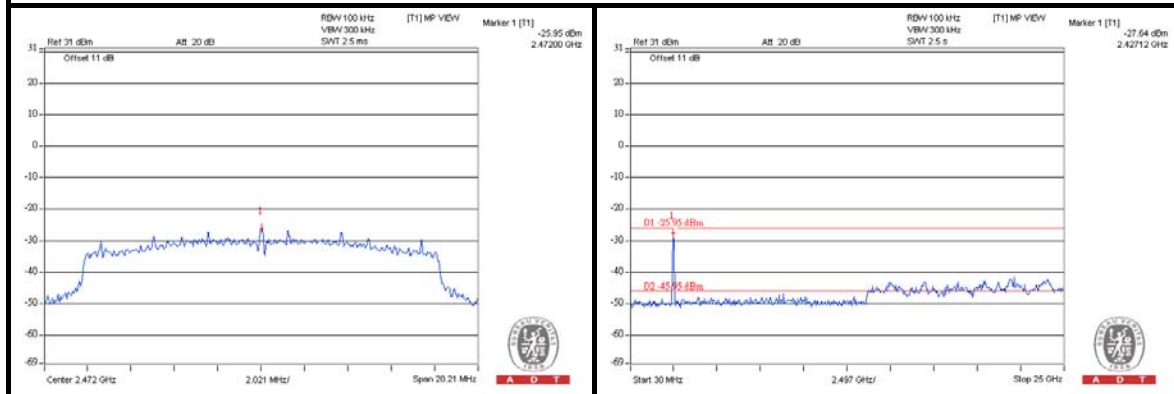
CH 11



CH 12

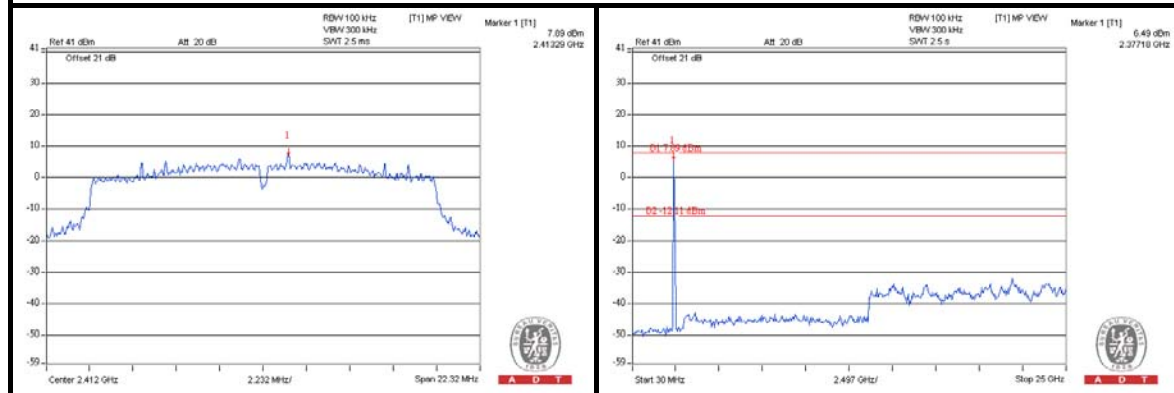


CH 13

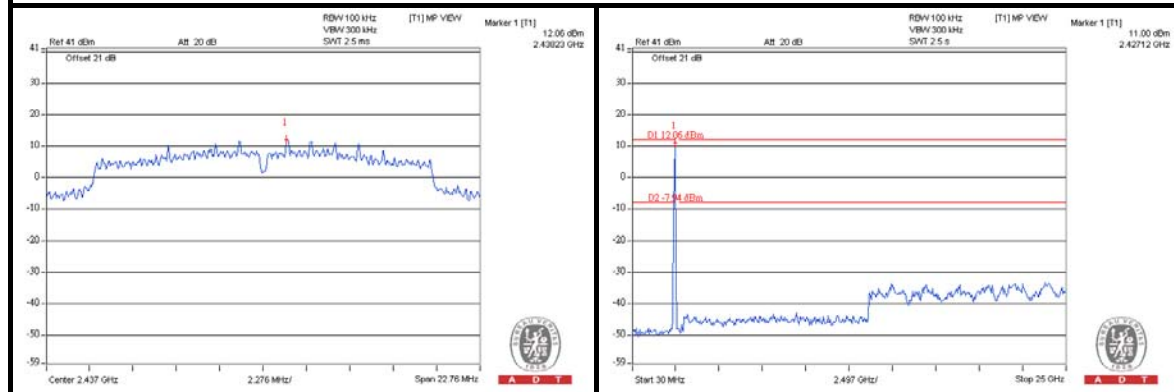


802.11n (20MHz)

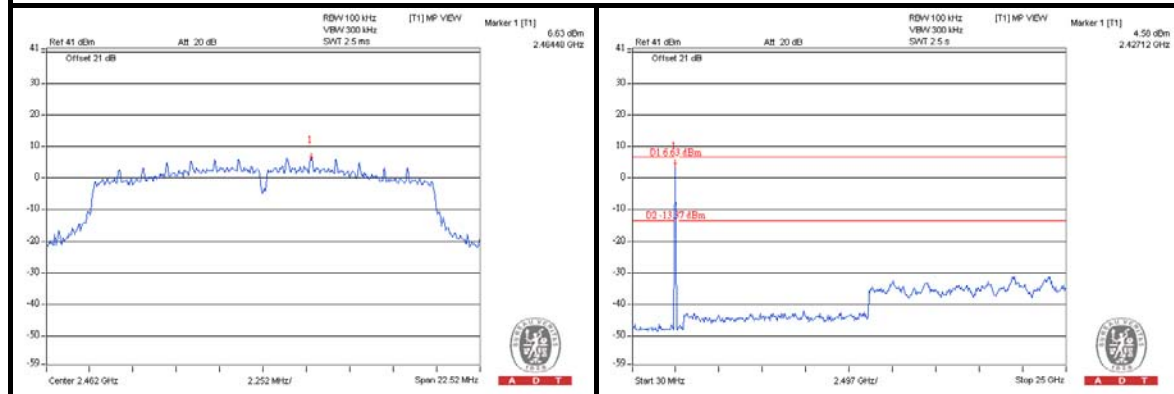
CH 1



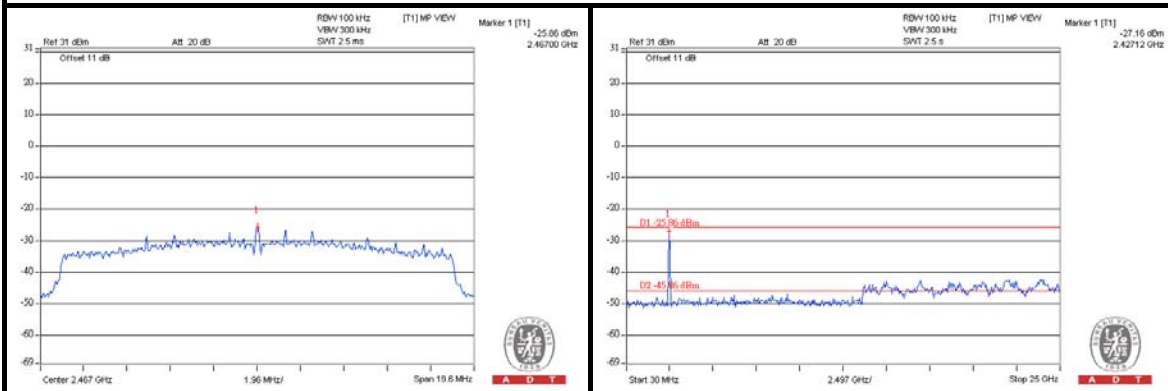
CH 6



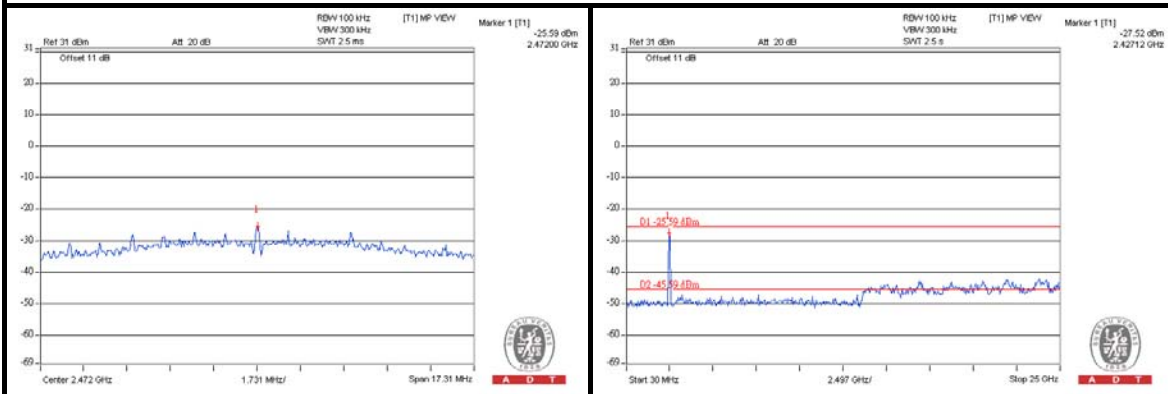
CH 11



CH 12



CH 13



5. TEST TYPES AND RESULTS (FOR 5.0GHz BAND)

5.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

5.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

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. 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.



A D T

5.1.2 TEST INSTRUMENTS

Same as item 4.1.2.

5.1.3 TEST PROCEDURES

Same as item 4.1.3.

5.1.4 DEVIATION FROM TEST STANDARD

No deviation.

5.1.5 TEST SETUP

Same as item 4.1.5.

5.1.6 EUT OPERATING CONDITIONS

Same as item 4.1.6.

5.1.7 TEST RESULTS

ABOVE 1GHz WORST-CASE DATA:

Test Mode A1 (With MSR& Main Ant.)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	#5725.00	83.1 PK	87.4	-4.3	1.00 H	10	43.90	39.20
2	#5725.00	64.9 AV	76.5	-11.6	1.00 H	10	25.70	39.20
3	*5745.00	107.4 PK			1.00 H	10	68.10	39.30
4	*5745.00	96.5 AV			1.00 H	10	57.20	39.30
5	11490.00	56.8 PK	74.0	-17.2	1.00 H	83	7.40	49.40
6	11490.00	43.9 AV	54.0	-10.1	1.00 H	83	-5.50	49.40
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	#5725.00	76.1 PK	82.8	-6.7	1.04 V	73	36.90	39.20
2	#5725.00	59.1 AV	71.9	-12.8	1.04 V	73	19.90	39.20
3	*5745.00	102.8 PK			1.04 V	73	63.50	39.30
4	*5745.00	91.9 AV			1.04 V	73	52.60	39.30
5	11490.00	56.3 PK	74.0	-17.7	1.26 V	326	6.90	49.40
6	11490.00	43.5 AV	54.0	-10.5	1.26 V	326	-5.90	49.40

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*5785.00	107.8 PK			1.00 H	7	68.40	39.40
2	*5785.00	96.8 AV			1.00 H	7	57.40	39.40
3	11570.00	57.0 PK	74.0	-17.0	1.00 H	81	7.80	49.20
4	11570.00	44.1 AV	54.0	-9.9	1.00 H	81	-5.10	49.20
5	#17355.00	61.4 PK	87.8	-26.4	1.02 H	277	7.10	54.30
6	#17355.00	48.6 AV	76.8	-28.2	1.02 H	277	-5.70	54.30
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	*5785.00	103.2 PK			1.02 V	70	63.80	39.40
2	*5785.00	92.2 AV			1.02 V	70	52.80	39.40
3	11570.00	56.5 PK	74.0	-17.5	1.24 V	323	7.30	49.20
4	11570.00	43.7 AV	54.0	-10.3	1.24 V	323	-5.50	49.20
5	#17355.00	60.1 PK	83.2	-23.1	1.30 V	49	5.80	54.30
6	#17355.00	47.2 AV	72.2	-25.0	1.30 V	49	-7.10	54.30

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “ # “: The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*5825.00	109.4 PK			1.16 H	261	69.90	39.50
2	*5825.00	98.6 AV			1.16 H	261	59.10	39.50
3	#5850.00	75.6 PK	89.4	-13.8	1.14 H	278	36.10	39.50
4	#5850.00	59.0 AV	78.6	-19.6	1.14 H	278	19.50	39.50
5	11650.00	56.7 PK	74.0	-17.3	1.00 H	83	7.60	49.10
6	11650.00	43.9 AV	54.0	-10.1	1.00 H	83	-5.20	49.10
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	*5825.00	104.3 PK			1.17 V	132	64.80	39.50
2	*5825.00	93.1 AV			1.17 V	132	53.60	39.50
3	#5850.00	65.7 PK	84.3	-18.6	1.17 V	132	26.20	39.50
4	#5850.00	48.2 AV	73.1	-24.9	1.17 V	132	8.70	39.50
5	11650.00	54.1 PK	74.0	-19.9	1.22 V	169	5.00	49.10
6	11650.00	41.8 AV	54.0	-12.2	1.22 V	169	-7.30	49.10

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “ # “: The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	#5725.00	82.0 PK	86.3	-4.3	1.00 H	8	42.80	39.20
2	#5725.00	64.6 AV	75.3	-10.7	1.00 H	8	25.40	39.20
3	*5745.00	106.3 PK			1.00 H	8	67.00	39.30
4	*5745.00	95.3 AV			1.00 H	8	56.00	39.30
5	11490.00	56.2 PK	74.0	-17.8	1.00 H	80	6.80	49.40
6	11490.00	43.3 AV	54.0	-10.7	1.00 H	80	-6.10	49.40
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	#5725.00	77.4 PK	81.1	-3.7	1.14 V	75	38.20	39.20
2	#5725.00	58.9 AV	70.1	-11.2	1.14 V	75	19.70	39.20
3	*5745.00	101.1 PK			1.14 V	75	61.80	39.30
4	*5745.00	90.1 AV			1.14 V	75	50.80	39.30
5	11490.00	55.8 PK	74.0	-18.2	1.23 V	321	6.40	49.40
6	11490.00	43.0 AV	54.0	-11.0	1.23 V	321	-6.40	49.40

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “#”:The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*5785.00	106.7 PK			1.00 H	5	67.30	39.40
2	*5785.00	95.7 AV			1.00 H	5	56.30	39.40
3	11570.00	56.5 PK	74.0	-17.5	1.00 H	83	7.30	49.20
4	11570.00	43.6 AV	54.0	-10.4	1.00 H	83	-5.60	49.20
5	#17355.00	61.8 PK	86.7	-24.9	1.09 H	283	7.50	54.30
6	#17355.00	49.0 AV	75.7	-26.7	1.09 H	283	-5.30	54.30
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	*5785.00	101.5 PK			1.17 V	72	62.10	39.40
2	*5785.00	90.5 AV			1.17 V	72	51.10	39.40
3	11570.00	56.1 PK	74.0	-17.9	1.20 V	318	6.90	49.20
4	11570.00	43.3 AV	54.0	-10.7	1.20 V	318	-5.90	49.20
5	#17355.00	60.6 PK	81.5	-20.9	1.27 V	45	6.30	54.30
6	#17355.00	47.7 AV	70.5	-22.8	1.27 V	45	-6.60	54.30

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ”: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “ # ”: The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*5825.00	108.6 PK			1.17 H	259	69.10	39.50
2	*5825.00	97.8 AV			1.17 H	259	58.30	39.50
3	#5850.00	76.0 PK	88.6	-12.6	1.17 H	258	36.50	39.50
4	#5850.00	59.4 AV	77.8	-18.4	1.17 H	258	19.90	39.50
5	11650.00	55.6 PK	74.0	-18.4	1.04 H	98	6.50	49.10
6	11650.00	45.4 AV	54.0	-8.6	1.04 H	98	-3.70	49.10
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	*5825.00	103.9 PK			1.24 V	128	64.40	39.50
2	*5825.00	92.4 AV			1.24 V	128	52.90	39.50
3	#5850.00	65.9 PK	83.9	-18.0	1.24 V	128	26.40	39.50
4	#5850.00	48.5 AV	72.4	-23.9	1.24 V	128	9.00	39.50
5	11650.00	53.8 PK	74.0	-20.2	1.27 V	178	4.70	49.10
6	11650.00	41.4 AV	54.0	-12.6	1.27 V	178	-7.70	49.10

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “ # “: The radiated frequency is out the restricted band.

Test Mode B1 (Without MSR & Main Ant.)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	#5725.00	80.5 PK	88.8	-8.3	1.03 H	294	41.30	39.20
2	#5725.00	63.5 AV	77.8	-14.3	1.03 H	294	24.30	39.20
3	*5745.00	108.8 PK			1.03 H	294	69.50	39.30
4	*5745.00	97.8 AV			1.03 H	294	58.50	39.30
5	11490.00	55.6 PK	74.0	-18.4	1.00 H	83	6.20	49.40
6	11490.00	43.2 AV	54.0	-10.8	1.00 H	83	-6.20	49.40
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	#5725.00	77.9 PK	85.7	-7.8	1.01 V	355	38.70	39.20
2	#5725.00	60.2 AV	74.6	-14.4	1.01 V	355	21.00	39.20
3	*5745.00	105.7 PK			1.01 V	355	66.40	39.30
4	*5745.00	94.6 AV			1.01 V	355	55.30	39.30
5	11490.00	56.0 PK	74.0	-18.0	1.20 V	320	6.60	49.40
6	11490.00	43.1 AV	54.0	-10.9	1.20 V	320	-6.30	49.40

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*5785.00	109.1 PK			1.05 H	290	69.70	39.40
2	*5785.00	98.0 AV			1.05 H	290	58.60	39.40
3	11570.00	55.9 PK	74.0	-18.1	1.00 H	80	6.70	49.20
4	11570.00	43.5 AV	54.0	-10.5	1.00 H	80	-5.70	49.20
5	#17355.00	62.7 PK	89.1	-26.4	1.00 H	180	8.40	54.30
6	#17355.00	49.2 AV	78.0	-28.8	1.00 H	180	-5.10	54.30
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	*5785.00	106.0 PK			1.03 V	352	66.60	39.40
2	*5785.00	95.0 AV			1.03 V	352	55.60	39.40
3	11570.00	56.3 PK	74.0	-17.7	1.21 V	318	7.10	49.20
4	11570.00	43.2 AV	54.0	-10.8	1.21 V	318	-6.00	49.20
5	#17355.00	62.6 PK	86.0	-23.4	1.11 V	303	8.30	54.30
6	#17355.00	48.9 AV	75.0	-26.1	1.11 V	303	-5.40	54.30

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “ # “: The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*5825.00	107.0 PK			1.17 H	253	67.50	39.50
2	*5825.00	95.8 AV			1.17 H	253	56.30	39.50
3	#5850.00	71.8 PK	87.0	-15.2	1.17 H	247	32.30	39.50
4	#5850.00	54.2 AV	75.8	-21.6	1.17 H	247	14.70	39.50
5	11650.00	55.7 PK	74.0	-18.3	1.04 H	93	6.60	49.10
6	11650.00	43.8 AV	54.0	-10.2	1.04 H	93	-5.30	49.10
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	*5825.00	104.6 PK			1.09 V	241	65.10	39.50
2	*5825.00	93.4 AV			1.09 V	241	53.90	39.50
3	#5850.00	65.3 PK	84.6	-19.3	1.09 V	241	25.80	39.50
4	#5850.00	48.8 AV	73.4	-24.6	1.09 V	241	9.30	39.50
5	11650.00	54.1 PK	74.0	-19.9	1.28 V	302	5.00	49.10
6	11650.00	42.3 AV	54.0	-11.7	1.28 V	302	-6.80	49.10

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “ # “: The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	#5725.00	81.9 PK	88.3	-6.4	1.03 H	315	42.70	39.20
2	#5725.00	63.8 AV	77.3	-13.5	1.03 H	315	24.60	39.20
3	*5745.00	108.3 PK			1.03 H	315	69.00	39.30
4	*5745.00	97.3 AV			1.03 H	315	58.00	39.30
5	11490.00	55.9 PK	74.0	-18.1	1.00 H	80	6.50	49.40
6	11490.00	43.4 AV	54.0	-10.6	1.00 H	80	-6.00	49.40
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	#5725.00	79.2 PK	86.3	-7.1	1.02 V	356	40.00	39.20
2	#5725.00	61.6 AV	75.3	-13.7	1.02 V	356	22.40	39.20
3	*5745.00	106.3 PK			1.02 V	356	67.00	39.30
4	*5745.00	95.3 AV			1.02 V	356	56.00	39.30
5	11490.00	56.2 PK	74.0	-17.8	1.23 V	321	6.80	49.40
6	11490.00	43.4 AV	54.0	-10.6	1.23 V	321	-6.00	49.40

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “#”:The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*5785.00	107.9 PK			1.04 H	318	68.50	39.40
2	*5785.00	96.9 AV			1.04 H	318	57.50	39.40
3	11570.00	55.5 PK	74.0	-18.5	1.00 H	83	6.30	49.20
4	11570.00	43.1 AV	54.0	-10.9	1.00 H	83	-6.10	49.20
5	#17355.00	63.0 PK	87.9	-24.9	1.00 H	179	8.70	54.30
6	#17355.00	49.5 AV	76.9	-27.4	1.00 H	179	-4.80	54.30
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	*5785.00	105.8 PK			1.02 V	3	66.40	39.40
2	*5785.00	94.9 AV			1.02 V	3	55.50	39.40
3	11570.00	55.9 PK	74.0	-18.1	1.21 V	325	6.70	49.20
4	11570.00	43.1 AV	54.0	-10.9	1.21 V	325	-6.10	49.20
5	#17355.00	62.9 PK	85.8	-22.9	1.13 V	300	8.60	54.30
6	#17355.00	49.1 AV	74.9	-25.8	1.13 V	300	-5.20	54.30

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “ # “: The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong

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	*5825.00	106.7 PK			1.18 H	252	67.20	39.50
2	*5825.00	95.2 AV			1.18 H	252	55.70	39.50
3	#5850.00	71.9 PK	86.7	-14.8	1.18 H	252	32.40	39.50
4	#5850.00	54.1 AV	75.2	-21.1	1.18 H	252	14.60	39.50
5	11650.00	55.4 PK	74.0	-18.6	1.08 H	104	6.30	49.10
6	11650.00	43.4 AV	54.0	-10.6	1.08 H	104	-5.70	49.10
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	*5825.00	104.1 PK			1.07 V	196	64.60	39.50
2	*5825.00	93.0 AV			1.07 V	196	53.50	39.50
3	#5850.00	65.6 PK	84.1	-18.5	1.07 V	196	26.10	39.50
4	#5850.00	48.9 AV	73.0	-24.1	1.07 V	196	9.40	39.50
5	11650.00	54.7 PK	74.0	-19.3	1.24 V	269	5.60	49.10
6	11650.00	42.5 AV	54.0	-11.5	1.24 V	269	-6.60	49.10

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “ # “: The radiated frequency is out the restricted band.

Test Mode C1 (Without MSR & Aux Ant.)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	C1		

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	#5725.00	78.6 PK	86.3	-7.7	1.22 H	252	39.40	39.20
2	#5725.00	59.4 AV	75.3	-15.9	1.22 H	252	20.20	39.20
3	*5745.00	106.3 PK			1.22 H	252	67.00	39.30
4	*5745.00	95.3 AV			1.22 H	252	56.00	39.30
5	11490.00	55.9 PK	74.0	-18.1	1.23 H	213	6.50	49.40
6	11490.00	43.0 AV	54.0	-11.0	1.23 H	213	-6.40	49.40
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	#5725.00	81.2 PK	90.1	-8.9	1.11 V	246	42.00	39.20
2	#5725.00	63.2 AV	79.1	-15.9	1.11 V	246	24.00	39.20
3	*5745.00	110.1 PK			1.11 V	246	70.80	39.30
4	*5745.00	99.1 AV			1.11 V	246	59.80	39.30
5	11490.00	56.4 PK	74.0	-17.6	1.00 V	83	7.00	49.40
6	11490.00	42.9 AV	54.0	-11.1	1.00 V	83	-6.50	49.40

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “#”:The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	C1		

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	*5785.00	107.5 PK			1.20 H	252	68.10	39.40
2	*5785.00	96.3 AV			1.20 H	252	56.90	39.40
3	11570.00	56.2 PK	74.0	-17.8	1.25 H	211	7.00	49.20
4	11570.00	43.3 AV	54.0	-10.7	1.25 H	211	-5.90	49.20
5	#17355.00	61.9 PK	87.5	-25.6	1.51 H	93	7.60	54.30
6	#17355.00	48.7 AV	76.3	-27.6	1.51 H	93	-5.60	54.30
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	*5785.00	109.3 PK			1.11 V	244	69.90	39.40
2	*5785.00	98.3 AV			1.11 V	244	58.90	39.40
3	11570.00	56.7 PK	74.0	-17.3	1.00 V	81	7.50	49.20
4	11570.00	43.2 AV	54.0	-10.8	1.00 V	81	-6.00	49.20
5	#17355.00	59.0 PK	89.3	-30.3	1.43 V	265	4.70	54.30
6	#17355.00	49.5 AV	78.3	-28.8	1.43 V	265	-4.80	54.30

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “#”:The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	C1		

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	*5825.00	109.7 PK			1.05 H	200	70.20	39.50
2	*5825.00	98.7 AV			1.05 H	200	59.20	39.50
3	#5850.00	72.4 PK	89.7	-17.3	1.05 H	199	32.90	39.50
4	#5850.00	56.4 AV	78.7	-22.3	1.05 H	199	16.90	39.50
5	11650.00	56.7 PK	74.0	-17.3	1.18 H	27	7.60	49.10
6	11650.00	45.9 AV	54.0	-8.1	1.18 H	27	-3.20	49.10
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	*5825.00	103.0 PK			1.04 V	254	63.50	39.50
2	*5825.00	92.1 AV			1.04 V	254	52.60	39.50
3	#5850.00	68.1 PK	83.0	-14.9	1.03 V	257	28.60	39.50
4	#5850.00	49.8 AV	72.1	-22.3	1.03 V	257	10.30	39.50
5	11650.00	54.8 PK	74.0	-19.2	1.32 V	102	5.70	49.10
6	11650.00	44.5 AV	54.0	-9.5	1.32 V	102	-4.60	49.10

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “#”:The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	C1		

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	#5725.00	70.9 PK	84.6	-13.7	1.27 H	70	31.70	39.20
2	#5725.00	61.1 AV	73.8	-12.7	1.27 H	70	21.90	39.20
3	*5745.00	104.6 PK			1.22 H	360	65.30	39.30
4	*5745.00	93.8 AV			1.22 H	360	54.50	39.30
5	11490.00	55.8 PK	74.0	-18.2	1.24 H	289	6.40	49.40
6	11490.00	43.4 AV	54.0	-10.6	1.24 H	289	-6.00	49.40
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	#5725.00	78.1 PK	88.3	-10.2	1.11 V	74	38.90	39.20
2	#5725.00	68.2 AV	77.4	-9.2	1.11 V	74	29.00	39.20
3	*5745.00	108.3 PK			1.10 V	75	69.00	39.30
4	*5745.00	97.4 AV			1.10 V	75	58.10	39.30
5	11490.00	53.4 PK	74.0	-20.6	1.11 V	68	4.00	49.40
6	11490.00	42.6 AV	54.0	-11.4	1.11 V	68	-6.80	49.40

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	C1		

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	*5785.00	106.8 PK			1.21 H	71	67.40	39.40
2	*5785.00	95.8 AV			1.21 H	71	56.40	39.40
3	11570.00	55.3 PK	74.0	-18.7	1.11 H	61	6.10	49.20
4	11570.00	42.5 AV	54.0	-11.5	1.11 H	61	-6.70	49.20
5	#17355.00	61.5 PK	86.8	-25.3	1.47 H	105	7.20	54.30
6	#17355.00	48.4 AV	75.8	-27.4	1.47 H	105	-5.90	54.30
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	*5785.00	107.6 PK			1.08 V	73	68.20	39.40
2	*5785.00	96.6 AV			1.08 V	73	57.20	39.40
3	11570.00	55.8 PK	74.0	-18.2	1.24 V	258	6.60	49.20
4	11570.00	43.4 AV	54.0	-10.6	1.24 V	258	-5.80	49.20
5	#17355.00	58.7 PK	87.6	-28.9	1.47 V	269	4.40	54.30
6	#17355.00	49.2 AV	76.6	-27.4	1.47 V	269	-5.10	54.30

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “ # “: The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	C1		

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	*5825.00	108.6 PK			1.05 H	162	69.10	39.50
2	*5825.00	97.9 AV			1.05 H	162	58.40	39.50
3	#5850.00	74.5 PK	88.6	-14.1	1.05 H	194	35.00	39.50
4	#5850.00	56.9 AV	77.9	-21.0	1.05 H	194	17.40	39.50
5	11650.00	56.2 PK	74.0	-17.8	1.21 H	18	7.10	49.10
6	11650.00	45.1 AV	54.0	-8.9	1.21 H	18	-4.00	49.10
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	*5825.00	102.4 PK			1.08 V	257	62.90	39.50
2	*5825.00	91.6 AV			1.08 V	257	52.10	39.50
3	#5850.00	70.9 PK	82.4	-11.5	1.08 V	257	31.40	39.50
4	#5850.00	52.0 AV	71.6	-19.6	1.08 V	257	12.50	39.50
5	11650.00	54.7 PK	74.0	-19.3	1.29 V	89	5.60	49.10
6	11650.00	44.3 AV	54.0	-9.7	1.29 V	89	-4.80	49.10

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * “: Fundamental frequency.
6. The limit value is defined as per 15.247.
7. “#”:The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA :

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	A1 (With MSR & Main Ant.)		

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	80.44	24.7 QP	40.0	-15.3	2.00 H	334	14.90	9.80
2	123.12	20.8 QP	43.5	-22.7	1.50 H	39	8.70	12.10
3	189.08	22.0 QP	43.5	-21.5	1.50 H	136	10.00	12.00
4	220.12	23.6 QP	46.0	-22.4	1.50 H	17	11.60	12.00
5	297.72	21.0 QP	46.0	-25.0	2.00 H	260	6.20	14.80
6	544.10	26.3 QP	46.0	-19.7	1.00 H	338	5.20	21.10
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	78.50	22.1 QP	40.0	-17.9	1.50 V	69	11.80	10.30
2	107.60	22.6 QP	43.5	-20.9	1.25 V	80	12.20	10.40
3	189.08	28.9 QP	43.5	-14.6	1.00 V	68	16.90	12.00
4	243.40	23.2 QP	46.0	-22.8	1.00 V	288	10.40	12.80
5	297.72	23.4 QP	46.0	-22.6	1.00 V	4	8.60	14.80
6	592.60	25.4 QP	46.0	-20.6	1.25 V	17	3.20	22.20

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	A2 (With MSR & Main Ant.)		

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	132.82	34.2 QP	43.5	-9.3	2.00 H	279	21.20	13.00
2	224.00	32.6 QP	46.0	-13.4	1.00 H	176	20.50	12.10
3	317.12	28.7 QP	46.0	-17.3	1.00 H	81	13.40	15.30
4	336.52	28.0 QP	46.0	-18.0	1.00 H	33	12.20	15.80
5	431.58	26.6 QP	46.0	-19.4	1.50 H	94	8.30	18.30
6	664.38	30.1 QP	46.0	-15.9	1.00 H	60	7.40	22.70
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	134.76	26.5 QP	43.5	-17.0	1.25 V	3	13.40	13.10
2	189.08	28.4 QP	43.5	-15.1	1.00 V	15	16.40	12.00
3	224.00	26.1 QP	46.0	-19.9	1.50 V	328	14.00	12.10
4	297.72	22.3 QP	46.0	-23.7	1.25 V	3	7.50	14.80
5	431.58	26.9 QP	46.0	-19.1	1.25 V	148	8.60	18.30
6	666.32	26.1 QP	46.0	-19.9	1.25 V	128	3.40	22.70

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	B1 (Without MSR & Main Ant.)		

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	70.74	21.1 QP	40.0	-18.9	1.25 H	172	8.90	12.20
2	189.08	21.2 QP	43.5	-22.3	1.25 H	90	9.20	12.00
3	222.06	22.7 QP	46.0	-23.3	1.50 H	5	10.70	12.00
4	297.72	20.4 QP	46.0	-25.6	1.25 H	48	5.60	14.80
5	515.00	24.4 QP	46.0	-21.6	1.25 H	287	3.90	20.50
6	544.10	27.0 QP	46.0	-19.0	1.00 H	341	5.90	21.10
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	70.74	24.6 QP	40.0	-15.4	1.25 V	63	12.40	12.20
2	107.60	21.1 QP	43.5	-22.4	1.25 V	64	10.70	10.40
3	134.76	18.9 QP	43.5	-24.6	1.25 V	213	5.80	13.10
4	189.08	28.4 QP	43.5	-15.1	1.00 V	7	16.40	12.00
5	243.40	21.9 QP	46.0	-24.1	1.25 V	340	9.10	12.80
6	297.72	22.0 QP	46.0	-24.0	1.25 V	178	7.20	14.80

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TESTED BY	Anderson Hong
TEST MODE	B2 (Without MSR & Main Ant.)		

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	130.88	34.0 QP	43.5	-9.5	1.25 H	86	21.20	12.80
2	165.80	29.8 QP	43.5	-13.7	1.00 H	111	16.10	13.70
3	224.00	30.5 QP	46.0	-15.5	1.00 H	175	18.40	12.10
4	309.36	27.1 QP	46.0	-18.9	1.00 H	49	12.00	15.10
5	336.52	28.2 QP	46.0	-17.8	1.50 H	99	12.40	15.80
6	499.48	27.4 QP	46.0	-18.6	1.50 H	90	7.30	20.10
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	130.88	26.1 QP	43.5	-17.4	1.00 V	329	13.30	12.80
2	189.08	27.3 QP	43.5	-16.2	1.00 V	130	15.30	12.00
3	299.66	25.7 QP	46.0	-20.3	1.25 V	84	10.80	14.90
4	336.52	28.1 QP	46.0	-17.9	1.25 V	86	12.30	15.80
5	365.62	26.5 QP	46.0	-19.5	1.00 V	74	9.90	16.60
6	431.58	33.3 QP	46.0	-12.7	1.00 V	148	15.00	18.30

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Anderson Hong
TEST MODE	C1 (Without MSR& Aux Ant.)		

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	82.38	19.9 QP	40.0	-20.1	2.00 H	227	10.40	9.50
2	119.24	21.9 QP	43.5	-21.6	1.50 H	147	10.10	11.80
3	161.92	22.4 QP	43.5	-21.1	2.00 H	303	8.50	13.90
4	189.08	22.5 QP	43.5	-21.0	1.50 H	98	10.50	12.00
5	297.72	21.0 QP	46.0	-25.0	2.00 H	98	6.20	14.80
6	544.10	26.6 QP	46.0	-19.4	1.00 H	289	5.50	21.10
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	82.38	21.3 QP	40.0	-18.7	1.25 V	102	11.80	9.50
2	107.60	22.6 QP	43.5	-20.9	1.00 V	133	12.20	10.40
3	189.08	27.1 QP	43.5	-16.4	1.00 V	256	15.10	12.00
4	216.24	20.3 QP	46.0	-25.7	1.00 V	27	8.50	11.80
5	243.40	23.2 QP	46.0	-22.8	1.00 V	12	10.40	12.80
6	297.72	21.8 QP	46.0	-24.2	1.00 V	15	7.00	14.80

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Anderson Hong
TEST MODE	C2 (Without MSR& Aux Ant.)		

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	144.46	33.1 QP	43.5	-10.4	1.25 H	83	19.40	13.70
2	165.80	32.4 QP	43.5	-11.1	1.25 H	122	18.70	13.70
3	196.84	32.6 QP	43.5	-10.9	1.25 H	32	21.10	11.50
4	336.52	31.3 QP	46.0	-14.7	1.00 H	41	15.50	15.80
5	365.62	28.0 QP	46.0	-18.0	1.00 H	39	11.40	16.60
6	499.48	28.7 QP	46.0	-17.3	1.25 H	96	8.60	20.10
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	144.46	26.7 QP	43.5	-16.8	1.50 V	352	13.00	13.70
2	165.80	25.0 QP	43.5	-18.5	1.00 V	119	11.30	13.70
3	189.08	28.0 QP	43.5	-15.5	1.00 V	179	16.00	12.00
4	336.52	29.4 QP	46.0	-16.6	1.25 V	140	13.60	15.80
5	431.58	31.8 QP	46.0	-14.2	1.25 V	160	13.50	18.30
6	499.48	27.0 QP	46.0	-19.0	1.00 V	17	6.90	20.10

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 other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

5.2 CONDUCTED EMISSION MEASUREMENT

5.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

- NOTE:** 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

5.2.2 TEST INSTRUMENTS

Same as item 4.2.2.

5.2.3 TEST PROCEDURES

Same as item 4.2.3.

5.2.4 DEVIATION FROM TEST STANDARD

No deviation.

5.2.5 TEST SETUP

Same as item 4.2.5.

5.2.6 EUT OPERATING CONDITIONS

Same as item 4.1.6

5.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA :

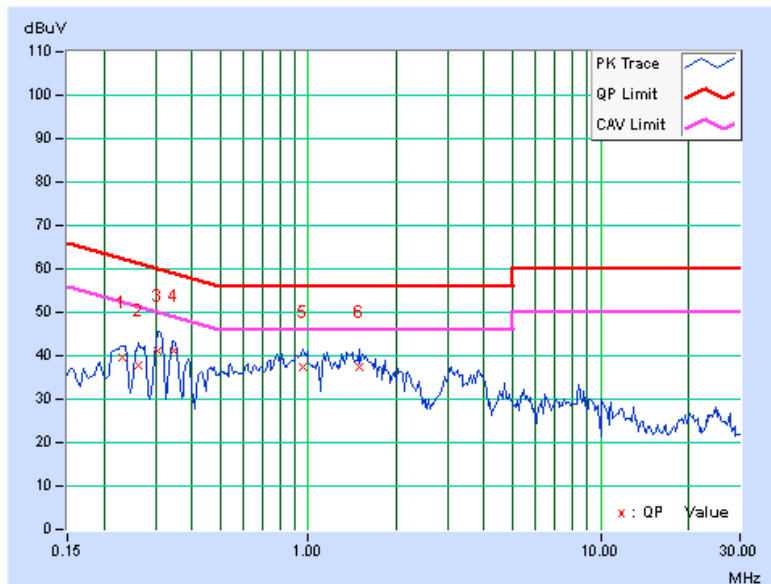
802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	A1 (With MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23203	0.17	39.41	29.44	39.58	29.61	62.38	52.38	-22.79	-22.76
2	0.26328	0.18	37.76	25.14	37.94	25.32	61.33	51.33	-23.39	-26.01
3	0.30625	0.19	41.00	38.41	41.19	38.60	60.07	50.07	-18.89	-11.48
4	0.34650	0.19	40.75	33.70	40.94	33.89	59.05	49.05	-18.10	-15.15
5	0.96250	0.23	37.23	32.52	37.46	32.75	56.00	46.00	-18.54	-13.25
6	1.49609	0.26	37.03	29.64	37.29	29.90	56.00	46.00	-18.71	-16.10

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

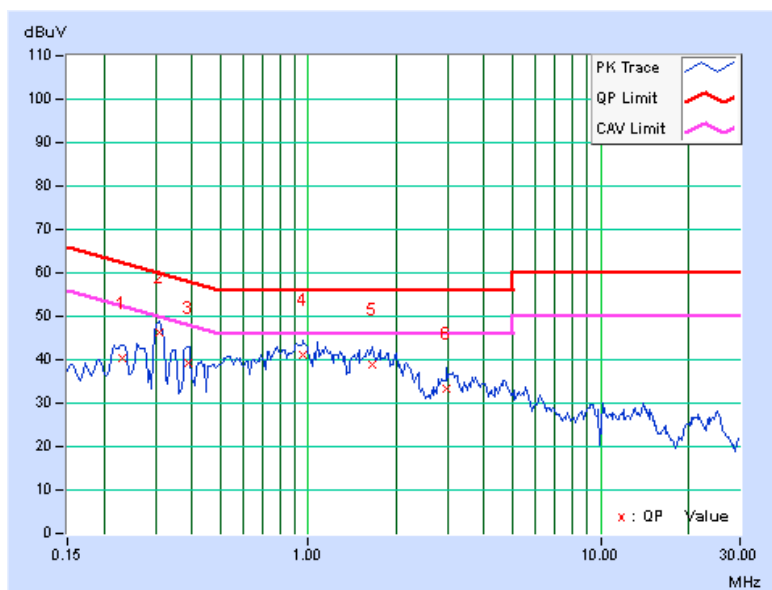


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	A1 (With MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23203	0.15	40.38	32.26	40.53	32.41	62.38	52.38	-21.84	-19.96
2	0.31016	0.17	46.25	43.04	46.42	43.21	59.97	49.97	-13.55	-6.76
3	0.39071	0.18	39.11	35.16	39.29	35.34	58.05	48.05	-18.76	-12.71
4	0.96250	0.19	40.75	34.36	40.94	34.55	56.00	46.00	-15.06	-11.45
5	1.66016	0.24	38.71	32.62	38.95	32.86	56.00	46.00	-17.05	-13.14
6	2.97266	0.32	32.94	26.16	33.26	26.48	56.00	46.00	-22.74	-19.52

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

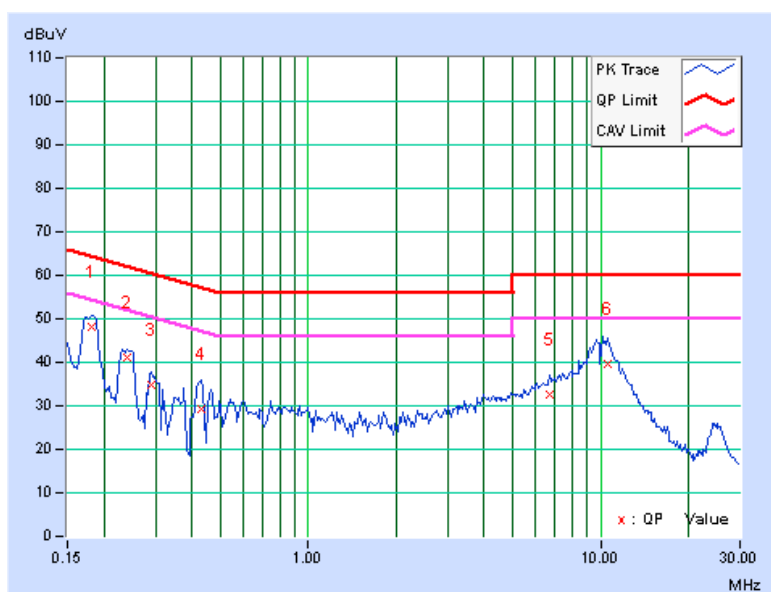


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	A2(With MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18125	0.17	48.14	34.84	48.31	35.01	64.43	54.43	-16.12	-19.42
2	0.23984	0.18	40.81	28.36	40.99	28.54	62.10	52.10	-21.12	-23.57
3	0.29063	0.18	34.78	22.01	34.96	22.19	60.51	50.51	-25.54	-28.31
4	0.43125	0.20	28.91	16.68	29.11	16.88	57.23	47.23	-28.12	-30.35
5	6.66406	0.43	32.07	25.00	32.50	25.43	60.00	50.00	-27.50	-24.57
6	10.64453	0.50	38.97	32.76	39.47	33.26	60.00	50.00	-20.53	-16.74

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

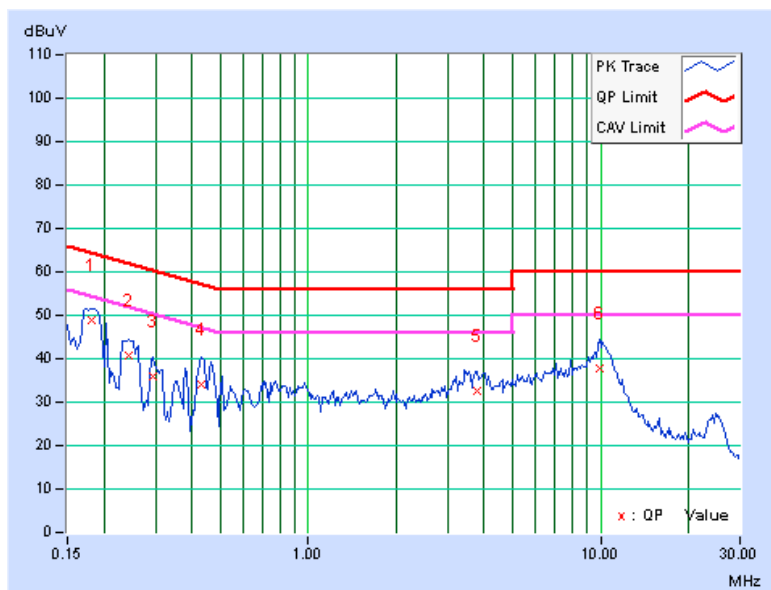


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	A2(With MSR & Main Ant.)		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18125	0.16	48.57	37.05	48.73	37.21	64.43	54.43	-15.70	-17.22
2	0.24375	0.16	40.59	26.65	40.75	26.81	61.97	51.97	-21.22	-25.16
3	0.29453	0.16	35.61	28.29	35.77	28.45	60.40	50.40	-24.62	-21.94
4	0.43125	0.18	33.95	14.88	34.13	15.06	57.23	47.23	-23.10	-32.17
5	3.78516	0.37	32.33	24.26	32.70	24.63	56.00	46.00	-23.30	-21.37
6	9.97266	0.57	37.07	30.46	37.64	31.03	60.00	50.00	-22.36	-18.97

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



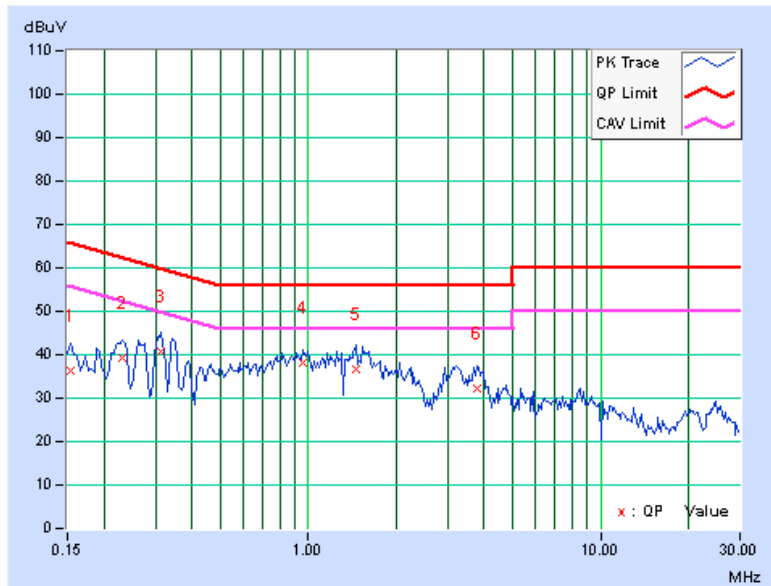
802.11a

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	B1 (Without MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.17	35.99	27.25	36.16	27.42	65.79	55.79	-29.63	-28.37
2	0.23203	0.17	39.19	29.16	39.36	29.33	62.38	52.38	-23.01	-23.04
3	0.31406	0.19	40.66	32.82	40.85	33.01	59.86	49.86	-19.02	-16.86
4	0.95859	0.23	37.97	32.60	38.20	32.83	56.00	46.00	-17.80	-13.17
5	1.45313	0.26	36.32	28.17	36.58	28.43	56.00	46.00	-19.42	-17.57
6	3.78125	0.38	31.71	24.07	32.09	24.45	56.00	46.00	-23.91	-21.55

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

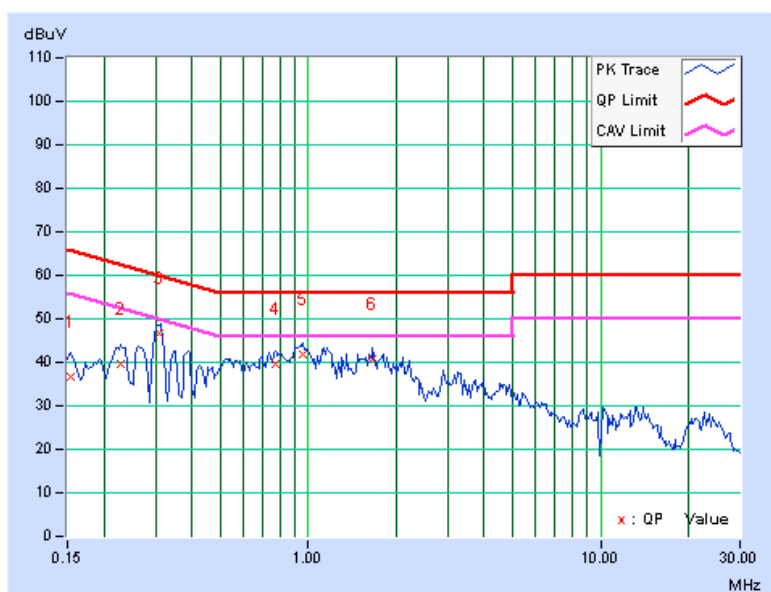


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	B1 (Without MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.17	36.47	30.90	36.64	31.07	65.79	55.79	-29.15	-24.72
2	0.22812	0.15	39.43	30.88	39.58	31.03	62.52	52.52	-22.93	-21.48
3	0.30837	0.17	46.66	43.93	46.83	44.10	60.01	50.01	-13.19	-5.92
4	0.77109	0.19	39.54	34.21	39.73	34.40	56.00	46.00	-16.27	-11.60
5	0.95978	0.19	41.54	35.18	41.73	35.37	56.00	46.00	-14.27	-10.63
6	1.65625	0.24	40.68	34.28	40.92	34.52	56.00	46.00	-15.08	-11.48

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

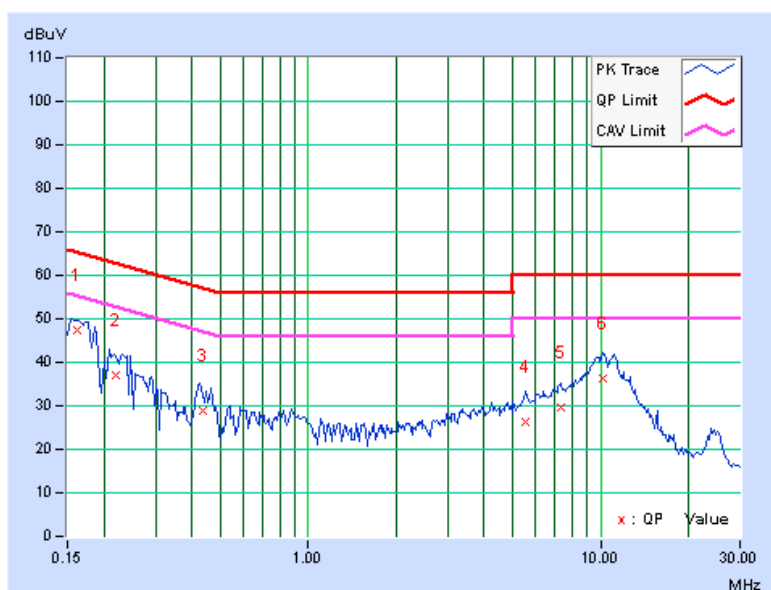


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	B2 (Without MSR & Main Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16172	0.17	47.07	31.77	47.24	31.94	65.38	55.38	-18.14	-23.44
2	0.22031	0.17	36.90	22.08	37.07	22.25	62.81	52.81	-25.73	-30.55
3	0.43361	0.20	28.73	19.90	28.93	20.10	57.18	47.18	-28.25	-27.08
4	5.55078	0.41	26.04	19.21	26.45	19.62	60.00	50.00	-33.55	-30.38
5	7.35938	0.44	29.30	22.59	29.74	23.03	60.00	50.00	-30.26	-26.97
6	10.21094	0.49	35.91	29.38	36.40	29.87	60.00	50.00	-23.60	-20.13

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

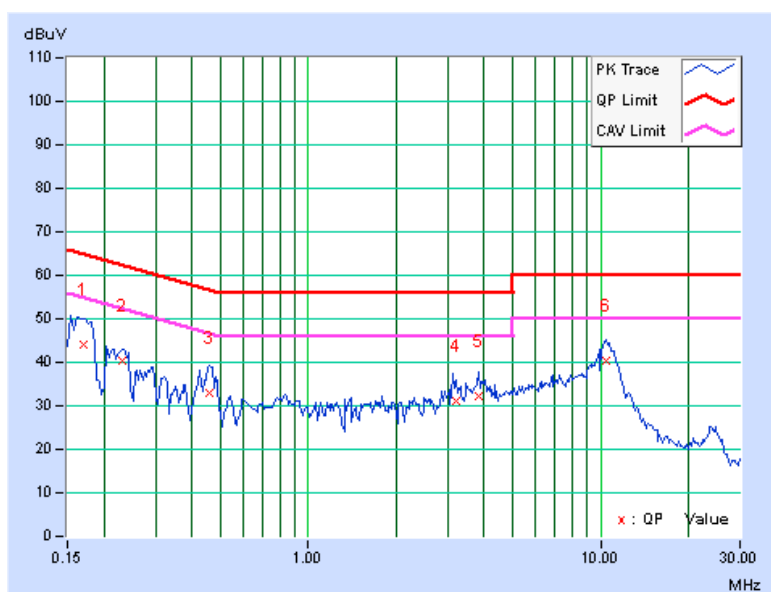


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	B2 (Without MSR & Main Ant.)		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.16	44.02	29.84	44.18	30.00	64.98	54.98	-20.80	-24.98
2	0.23203	0.15	40.32	28.08	40.47	28.23	62.38	52.38	-21.90	-24.14
3	0.45859	0.18	32.78	21.12	32.96	21.30	56.72	46.72	-23.76	-25.42
4	3.20703	0.34	30.65	21.52	30.99	21.86	56.00	46.00	-25.01	-24.14
5	3.83203	0.37	31.72	22.99	32.09	23.36	56.00	46.00	-23.91	-22.64
6	10.49609	0.58	39.71	33.88	40.29	34.46	60.00	50.00	-19.71	-15.54

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



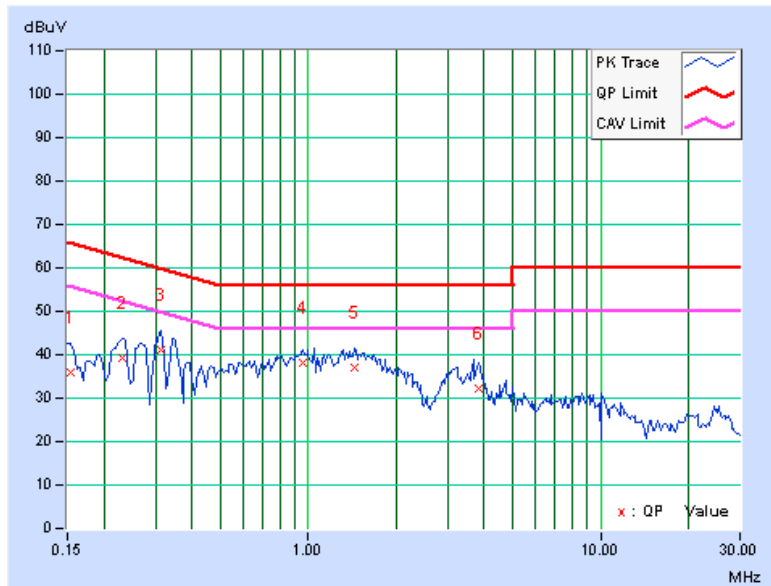
802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	C1 (Without MSR& Aux Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15305	0.17	35.67	26.90	35.84	27.07	65.83	55.83	-29.99	-28.76
2	0.23203	0.17	39.09	29.05	39.26	29.22	62.38	52.38	-23.11	-23.15
3	0.31406	0.19	40.77	33.40	40.96	33.59	59.86	49.86	-18.91	-16.28
4	0.96250	0.23	37.81	32.48	38.04	32.71	56.00	46.00	-17.96	-13.29
5	1.44141	0.26	36.70	27.99	36.96	28.25	56.00	46.00	-19.04	-17.75
6	3.82813	0.38	31.72	24.10	32.10	24.48	56.00	46.00	-23.90	-21.52

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

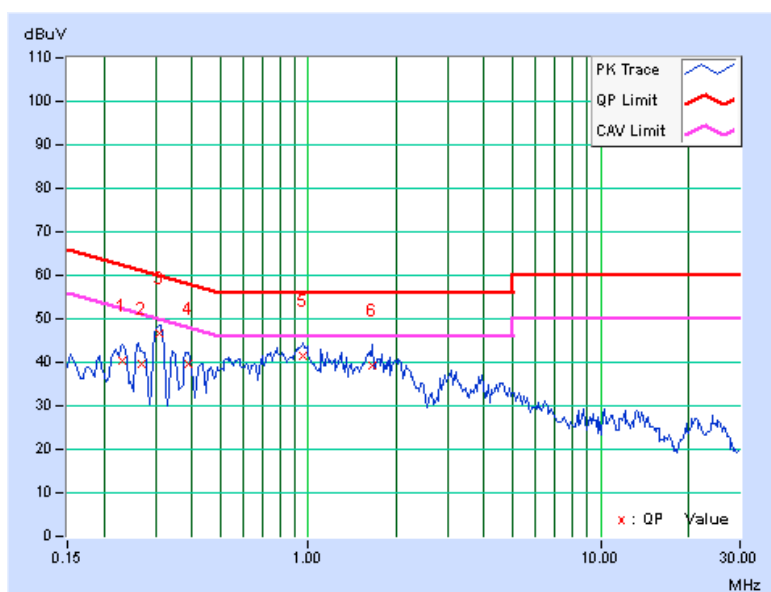


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	C1 (Without MSR& Aux Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23203	0.15	40.07	31.40	40.22	31.55	62.38	52.38	-22.15	-20.82
2	0.26964	0.16	39.31	31.12	39.47	31.28	61.13	51.13	-21.66	-19.85
3	0.30957	0.17	46.49	43.37	46.66	43.54	59.98	49.98	-13.33	-6.45
4	0.38828	0.18	39.57	36.76	39.75	36.94	58.10	48.10	-18.35	-11.16
5	0.96250	0.19	41.25	34.66	41.44	34.85	56.00	46.00	-14.56	-11.15
6	1.66016	0.24	39.17	32.68	39.41	32.92	56.00	46.00	-16.59	-13.08

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

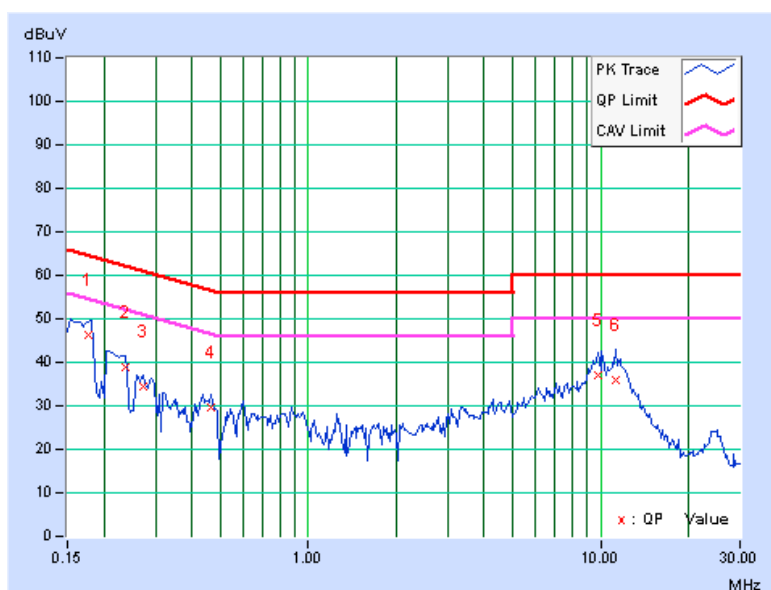


PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	C2 (Without MSR& Aux Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17734	0.17	45.98	30.67	46.15	30.84	64.61	54.61	-18.46	-23.77
2	0.23594	0.18	38.79	23.69	38.97	23.87	62.24	52.24	-23.27	-28.37
3	0.27109	0.18	34.35	20.72	34.53	20.90	61.08	51.08	-26.55	-30.18
4	0.46250	0.20	29.53	18.78	29.73	18.98	56.65	46.65	-26.91	-27.66
5	9.79297	0.48	36.39	30.25	36.87	30.73	60.00	50.00	-23.13	-19.27
6	11.32422	0.51	35.29	29.87	35.80	30.38	60.00	50.00	-24.20	-19.62

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

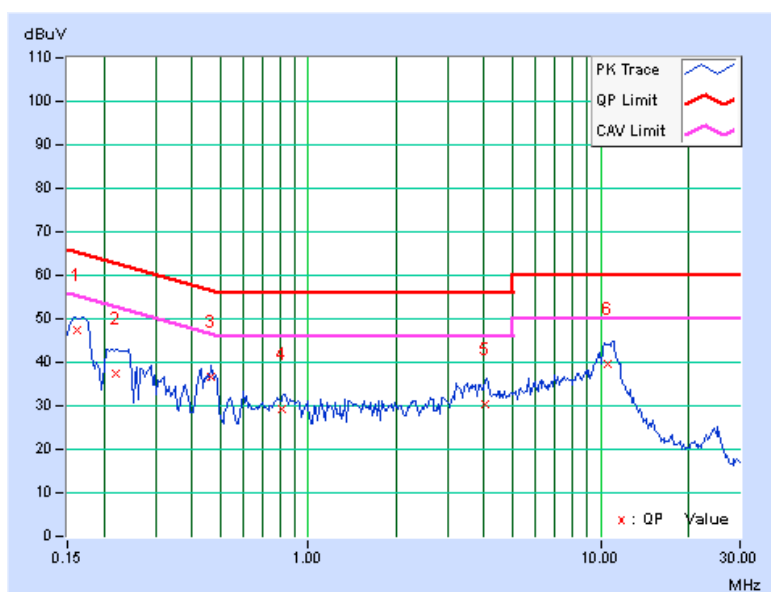


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	C2 (Without MSR& Aux Ant.)		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16172	0.17	47.36	32.33	47.53	32.50	65.38	55.38	-17.85	-22.88
2	0.22031	0.15	37.17	23.34	37.32	23.49	62.81	52.81	-25.48	-29.31
3	0.46641	0.18	36.58	30.00	36.76	30.18	56.58	46.58	-19.82	-16.40
4	0.81590	0.19	28.97	23.50	29.16	23.69	56.00	46.00	-26.84	-22.31
5	4.03906	0.38	29.90	20.43	30.28	20.81	56.00	46.00	-25.72	-25.19
6	10.55859	0.58	39.21	33.26	39.79	33.84	60.00	50.00	-20.21	-16.16

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



5.3 6dB BANDWIDTH MEASUREMENT

5.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

5.3.2 TEST SETUP

Same as item 4.3.2.

5.3.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

5.3.4 TEST PROCEDURE

Same as item 4.3.4.

5.3.5 DEVIATION FROM TEST STANDARD

No deviation.

5.3.6 EUT OPERATING CONDITIONS

Same as item 4.3.6.

5.3.7 TEST RESULTS

Test Mode A1 (With MSR& Main Ant.)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
149	5745	16.08	0.5	PASS
157	5785	15.99	0.5	PASS
161	5805	16.21	0.5	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
149	5745	17.16	0.5	PASS
157	5785	17.28	0.5	PASS
161	5805	17.32	0.5	PASS



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Test Mode B1 (Without MSR & Main Ant.)**802.11a**

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
149	5745	16.03	0.5	PASS
157	5785	16.19	0.5	PASS
161	5805	16.10	0.5	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
149	5745	17.33	0.5	PASS
157	5785	17.44	0.5	PASS
161	5805	17.25	0.5	PASS



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Test Mode C1 (Without MSR & Aux Ant.)**802.11a**

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
149	5745	16.13	0.5	PASS
157	5785	16.16	0.5	PASS
161	5805	16.10	0.5	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
149	5745	17.42	0.5	PASS
157	5785	17.48	0.5	PASS
161	5805	17.54	0.5	PASS

5.4 CONDUCTED OUTPUT POWER

5.4.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

For systems using digital modulation in the 5725 –5850 MHz bands: 1 Watt (30dBm)

5.4.2 TEST SETUP

Same as Item 4.4.2.

5.4.3 INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

5.4.4 TEST PROCEDURES

Same as Item 4.4.4.

5.4.5 DEVIATION FROM TEST STANDARD

No deviation.

5.4.6 EUT OPERATING CONDITIONS

Same as Item 4.3.6.

5.4.7 TEST RESULTS

Test Mode A1 (With MSR& Main Ant.)

802.11a

Channel	Frequency (MHz)	Chain	Data Rate							
			6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 149	5745 MHz	MAIN	22.13	22.10	22.08	22.01	22.06	22.04	22.10	22.08
CH 157	5785 MHz	MAIN	22.15	22.14	22.10	22.13	22.08	22.09	22.13	22.07
CH 165	5825 MHz	MAIN	22.03	22.01	21.97	21.91	21.96	21.93	21.98	22.02

802.11n (20MHz)

Channel	Frequency (MHz)	Chain	Data Rate							
			6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 149	5745 MHz	MAIN	22.16	22.15	22.11	22.09	22.15	22.12	22.07	22.14
CH 157	5785 MHz	MAIN	22.14	22.11	22.10	22.07	22.01	22.06	22.03	22.08
CH 165	5825 MHz	MAIN	22.01	21.97	21.91	21.93	21.94	21.96	21.95	21.97

Test Mode B1 (Without MSR & Main Ant.)

Channel	Frequency (MHz)	Chain	Data Rate							
			6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 149	5745 MHz	MAIN	22.06	22.01	22.04	21.92	21.97	21.93	21.99	22.00
CH 157	5785 MHz	MAIN	22.10	22.01	21.98	22.03	22.04	22.01	22.04	21.97
CH 165	5825 MHz	MAIN	22.04	22.03	21.94	21.98	21.93	21.97	22.00	22.02

802.11n (20MHz)

Channel	Frequency (MHz)	Chain	Data Rate							
			6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 149	5745 MHz	MAIN	21.94	21.90	21.89	21.84	21.87	21.91	21.92	21.94
CH 157	5785 MHz	MAIN	22.09	22.07	22.03	22.01	22.06	22.00	21.97	22.09
CH 165	5825 MHz	MAIN	21.95	21.88	21.89	21.83	21.84	21.91	21.81	21.95

Test Mode C1 (Without MSR & Aux Ant.)

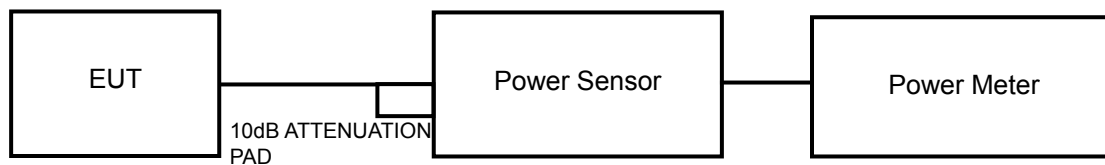
Channel	Frequency (MHz)	Chain	Data Rate							
			6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 149	5745 MHz	AUX	22.04	22.00	21.97	21.96	21.90	21.93	21.97	21.96
CH 157	5785 MHz	AUX	21.96	21.94	21.90	21.86	21.89	21.93	21.94	21.89
CH 165	5825 MHz	AUX	21.95	21.94	21.91	21.90	21.88	21.87	21.93	21.84

802.11n (20MHz)

Channel	Frequency (MHz)	Chain	Data Rate							
			6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 149	5745 MHz	AUX	20.94	20.92	20.90	20.84	20.81	20.83	20.90	20.91
CH 157	5785 MHz	AUX	21.03	21.00	21.02	20.92	20.96	20.91	20.90	20.99
CH 165	5825 MHz	AUX	21.00	20.92	20.98	20.89	20.93	20.94	20.96	20.91

5.5 AVERAGE OUTPUT POWER

5.5.1 TEST SETUP



5.5.2 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

5.5.3 TEST PROCEDURES

A 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 average power level.

5.5.4 EUT OPERATING CONDITIONS

Same as Item 4.3.6.

5.5.5 TEST RESULTS

Test Mode A1 (With MSR& Main Ant.)

802.11a

Channel	Frequency (MHz)	Chain	Data Rate
			6Mbps
CH 149	5745 MHz	MAIN	18.94
CH 157	5785 MHz	MAIN	18.96
CH 165	5825 MHz	MAIN	18.91

802.11n (20MHz)

Channel	Frequency (MHz)	Chain	Data Rate
			6Mbps
CH 149	5745 MHz	MAIN	18.53
CH 157	5785 MHz	MAIN	18.48
CH 165	5825 MHz	MAIN	18.41

Test Mode B1 (Without MSR & Main Ant.)

Channel	Frequency (MHz)	Chain	Data Rate
			6Mbps
CH 149	5745 MHz	MAIN	19.02
CH 157	5785 MHz	MAIN	18.96
CH 165	5825 MHz	MAIN	18.92

802.11n (20MHz)

Channel	Frequency (MHz)	Chain	Data Rate
			6Mbps
CH 149	5745 MHz	MAIN	18.50
CH 157	5785 MHz	MAIN	18.46
CH 165	5825 MHz	MAIN	18.42

Test Mode C1 (Without MSR & Aux Ant.)

Channel	Frequency (MHz)	Chain	Data Rate
			6Mbps
CH 149	5745 MHz	AUX	17.52
CH 157	5785 MHz	AUX	17.46
CH 165	5825 MHz	AUX	17.42

802.11n (20MHz)

Channel	Frequency (MHz)	Chain	Data Rate
			6Mbps
CH 149	5745 MHz	AUX	18.92
CH 157	5785 MHz	AUX	18.88
CH 165	5825 MHz	AUX	18.92

5.6 POWER SPECTRAL DENSITY MEASUREMENT

5.6.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

5.6.2 TEST SETUP

Same as item 4.5.2.

5.6.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

5.6.4 TEST PROCEDURE.

Same as item 4.5.4.

5.6.5 DEVIATION FROM TEST STANDARD

No deviation.

5.6.6 EUT OPERATING CONDITION

Same as item 4.3.6.

5.6.7 TEST RESULTS

Test Mode A1 (With MSR& Main Ant.)

802.11a

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
149	5745	8.92	-6.31	8	PASS
157	5785	8.86	-6.37	8	PASS
161	5805	8.89	-6.34	8	PASS

802.11n (20MHz)

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
149	5745	8.65	-6.58	8	PASS
157	5785	8.71	-6.52	8	PASS
161	5805	8.59	-6.64	8	PASS

Test Mode B1 (Without MSR & Main Ant.)

802.11a

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
149	5745	7.42	-7.81	8	PASS
157	5785	7.97	-7.26	8	PASS
161	5805	8.93	-6.30	8	PASS

802.11n (20MHz)

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
149	5745	9.00	-6.23	8	PASS
157	5785	8.83	-6.40	8	PASS
161	5805	8.77	-6.46	8	PASS



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Test Mode C1 (Without MSR & Aux Ant.)**802.11a**

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
149	5745	7.38	-7.85	8	PASS
157	5785	7.42	-7.81	8	PASS
161	5805	7.42	-7.81	8	PASS

802.11n (20MHz)

Channel	FREQ. (MHz)	PSD (dBm/100kHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
149	5745	8.83	-6.40	8	PASS
157	5785	8.90	-6.33	8	PASS
161	5805	9.29	-5.94	8	PASS

5.7 CONDUCTED OUT OF BAND EMISSION MEASUREMENT

5.7.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

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

5.7.2 TEST SETUP

Same as Item 4.6.2

5.7.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

5.7.4 TEST PROCEDURE

Same as Item 4.6.4

5.7.5 DEVIATION FROM TEST STANDARD

No deviation.

5.7.6 EUT OPERATING CONDITION

Same as Item 4.3.6

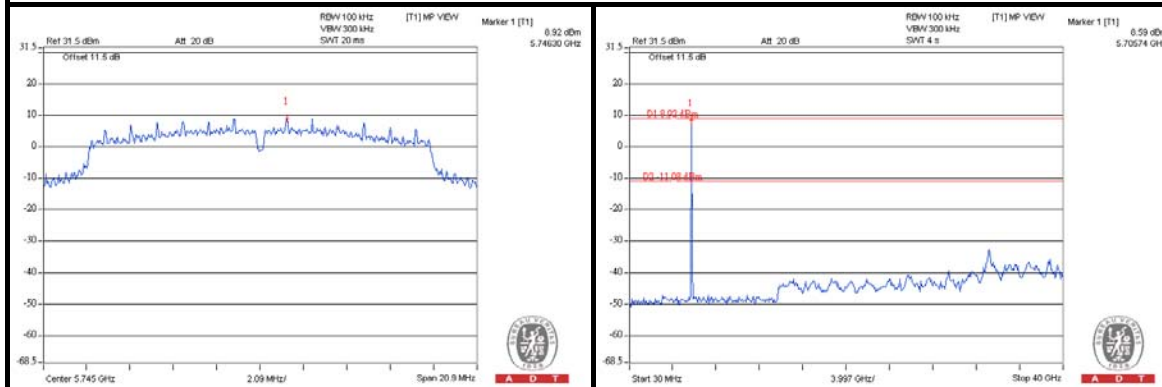
5.7.7 TEST RESULTS

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement.

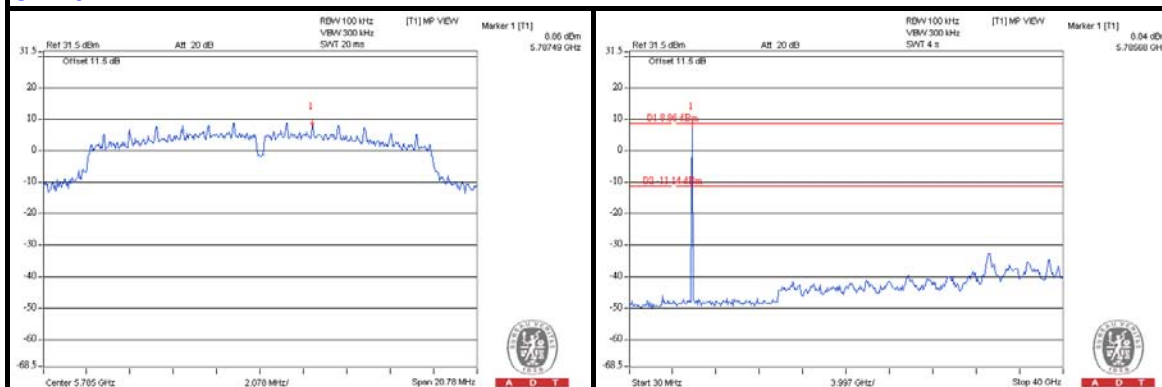
Test Mode A1 (With MSR& Main Ant.)

802.11a

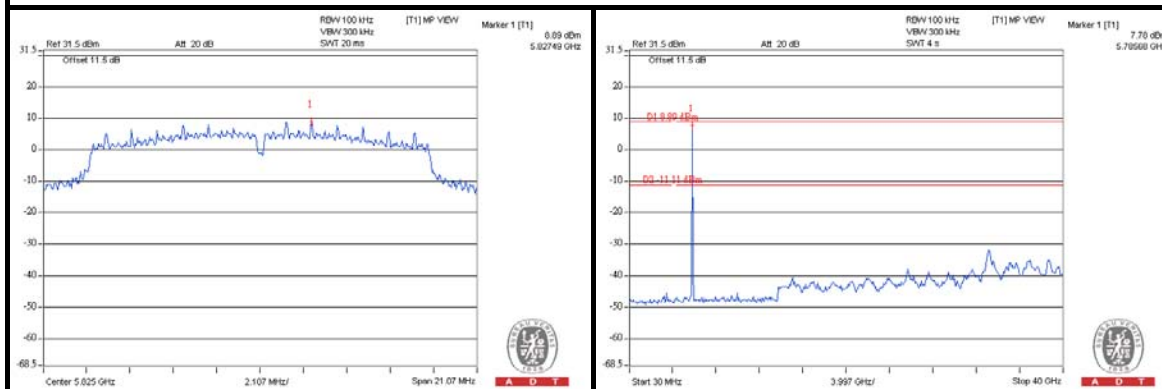
CH 149



CH 157

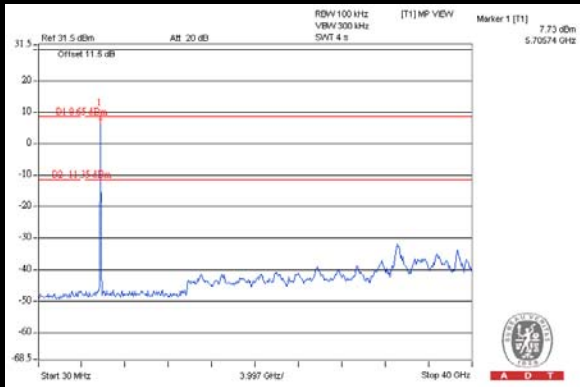
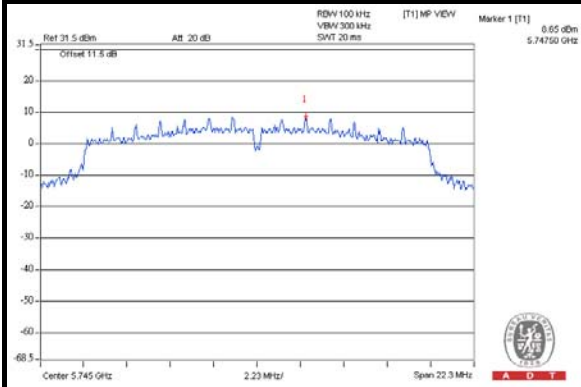


CH 161

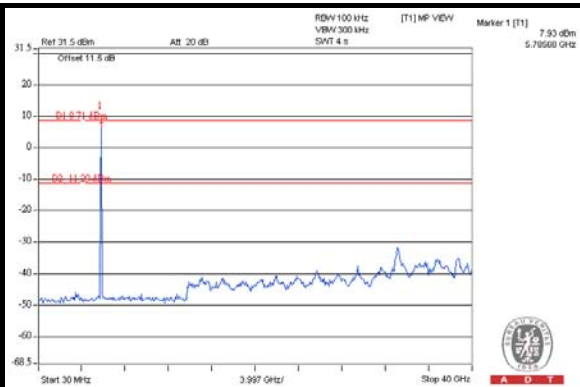
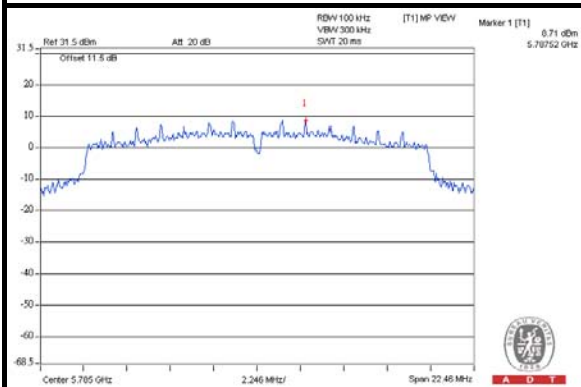


802.11n(20MHz)

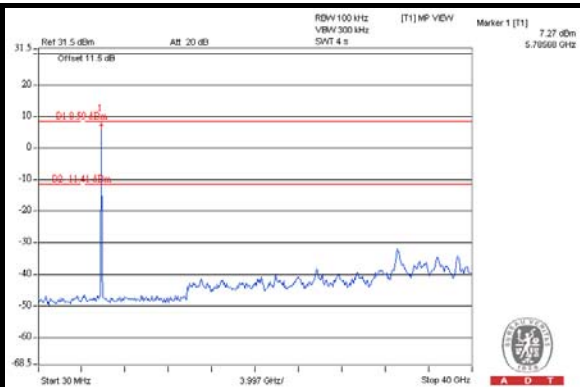
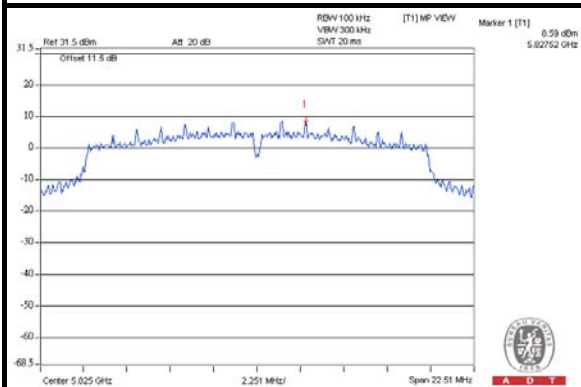
CH 149



CH 157



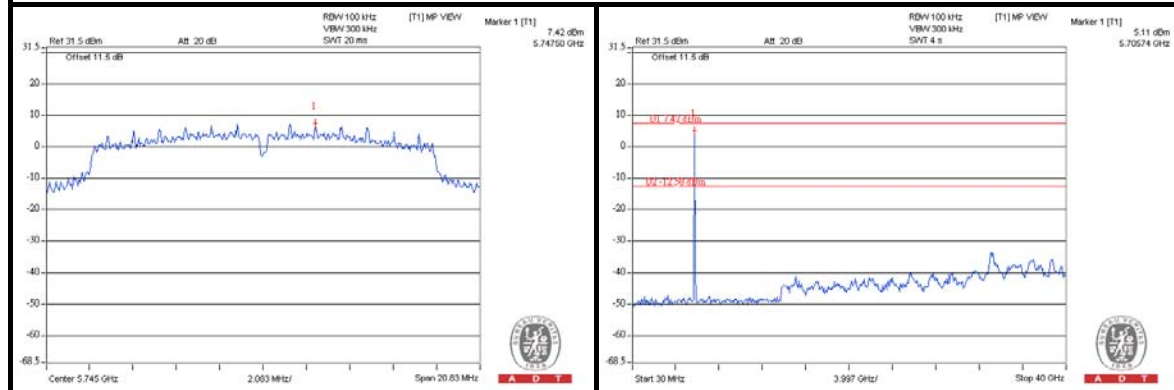
CH 161



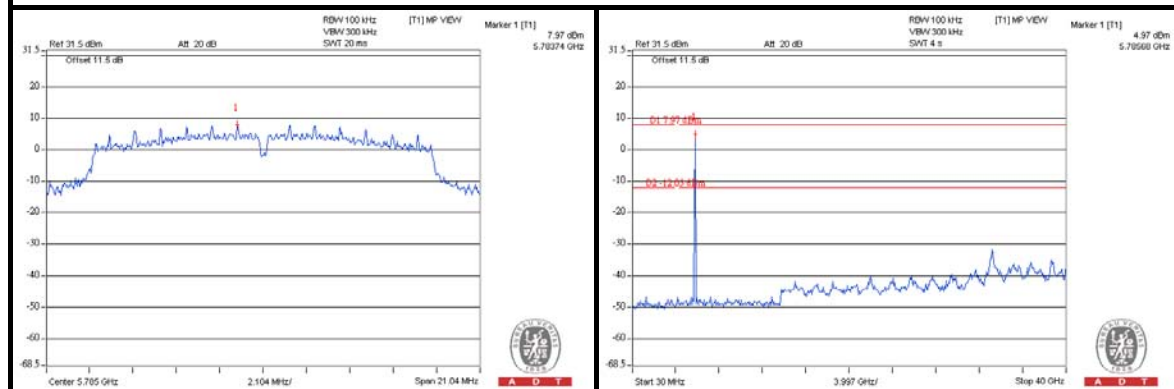
Test Mode B1 (Without MSR & Main Ant.)

802.11a

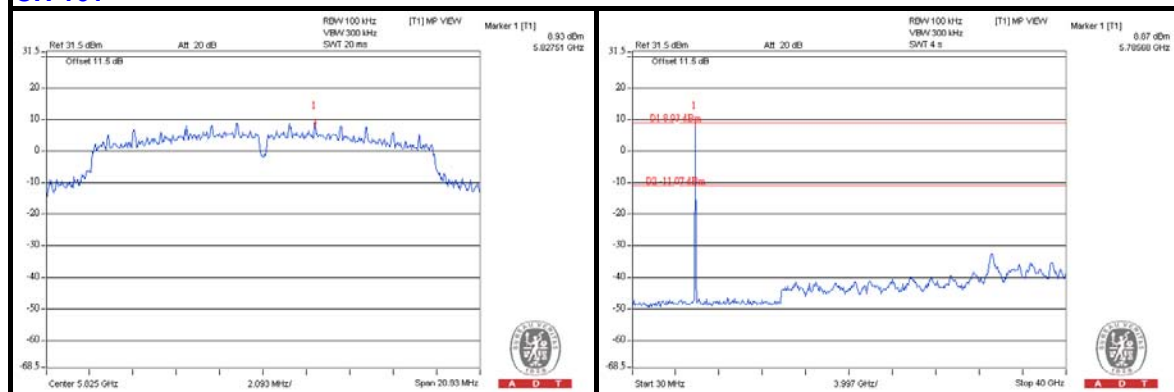
CH 149



CH 157

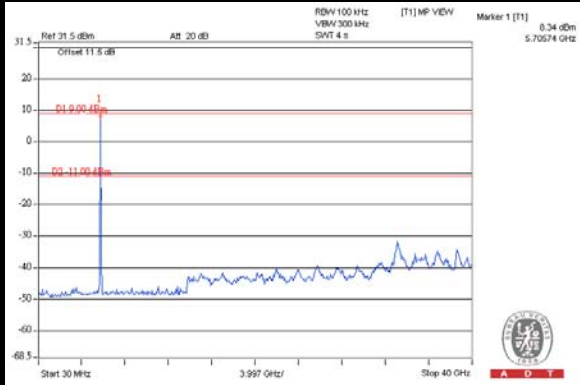
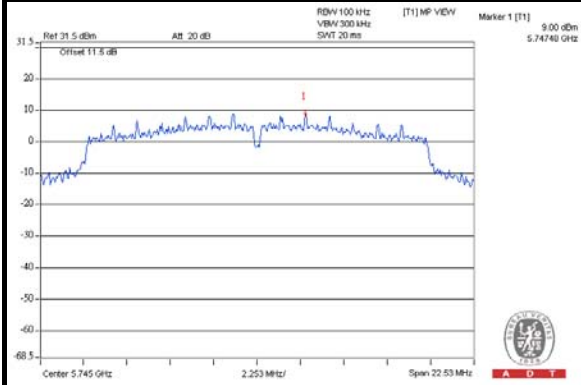


CH 161

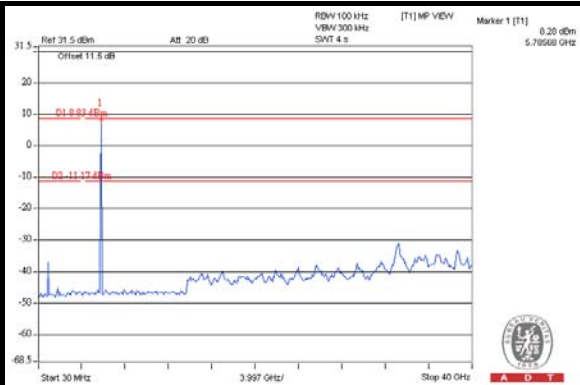
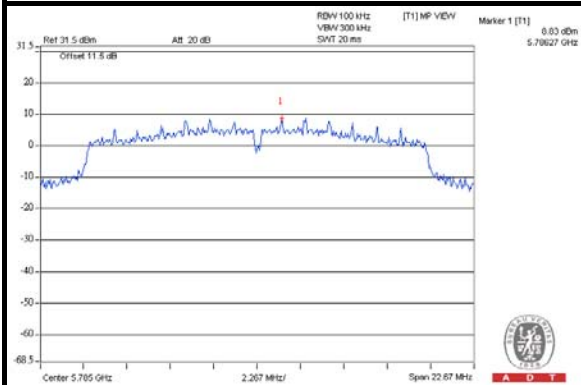


802.11n(20MHz)

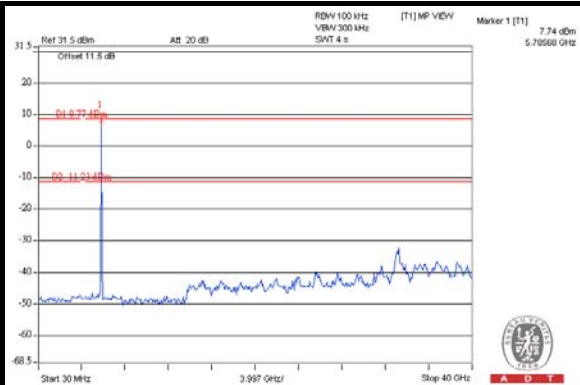
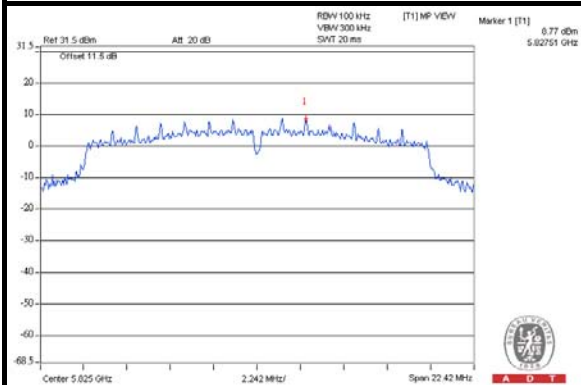
CH 149



CH 157



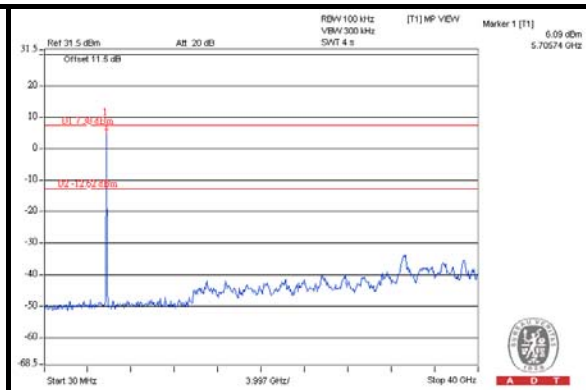
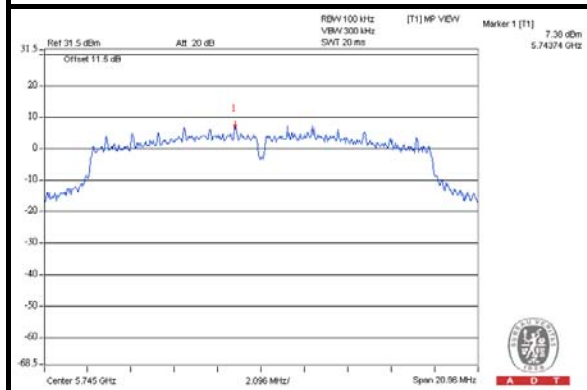
CH 161



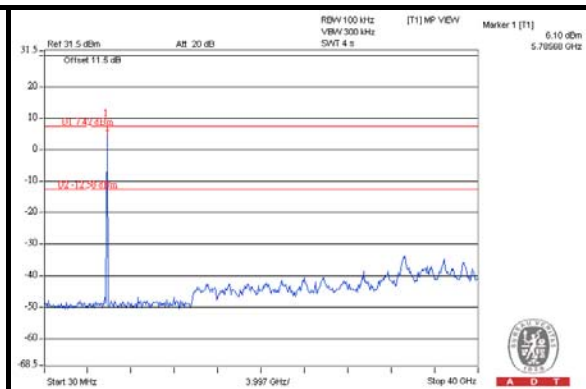
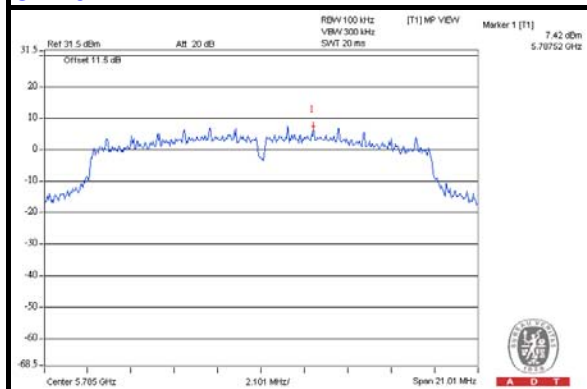
Test Mode C1 (Without MSR & Aux Ant.)

802.11a

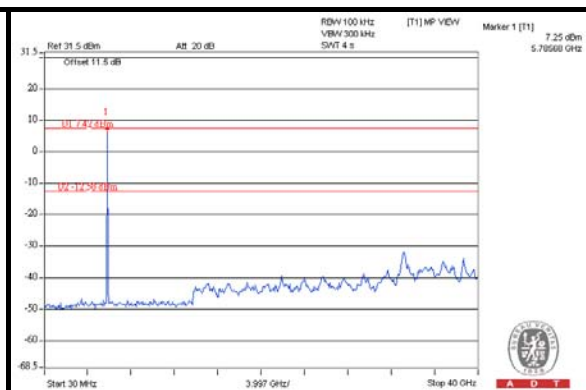
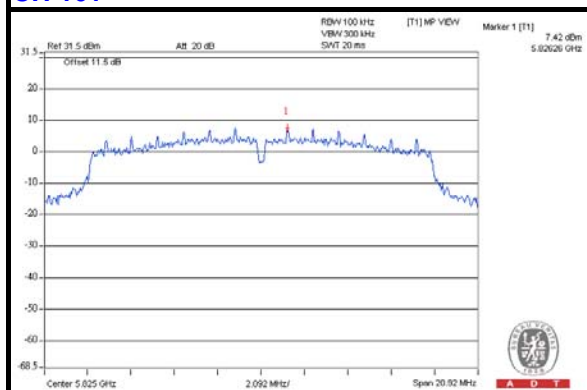
CH 149



CH 157

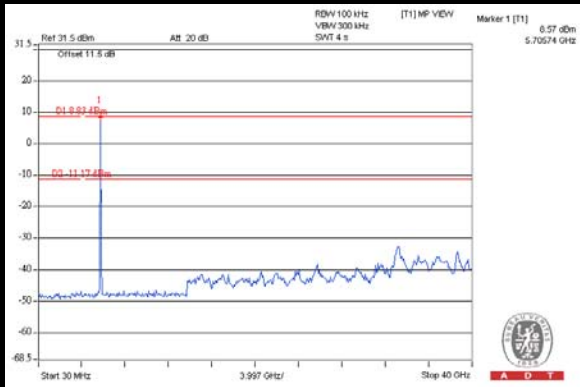
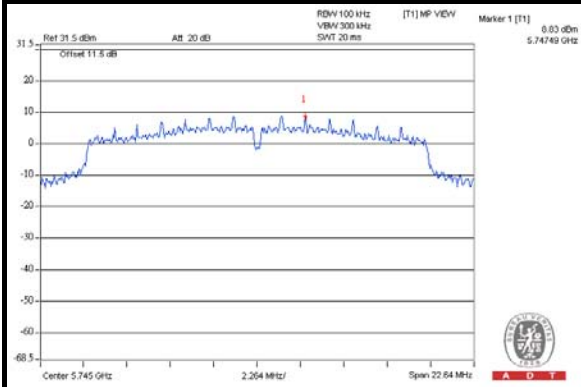


CH 161

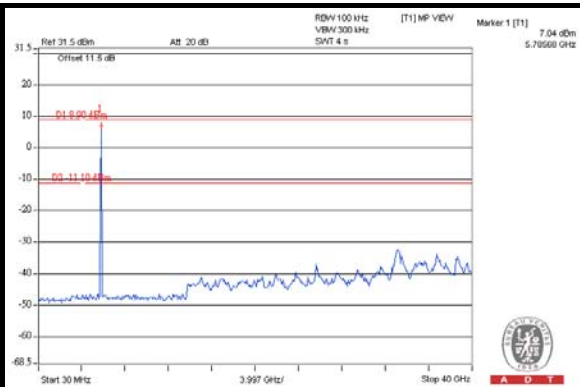
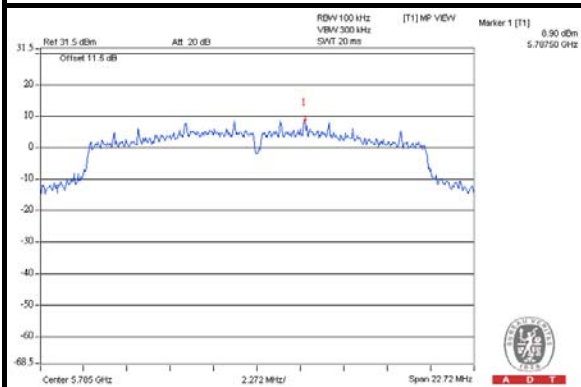


802.11n(20MHz)

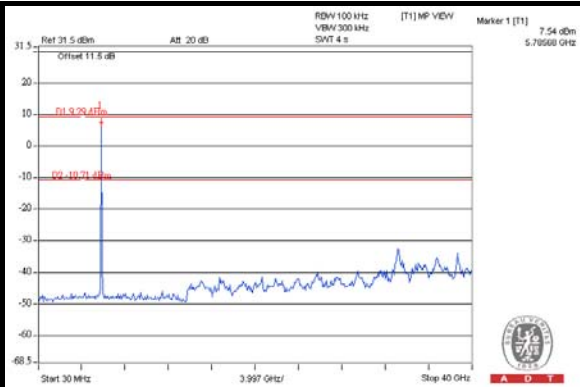
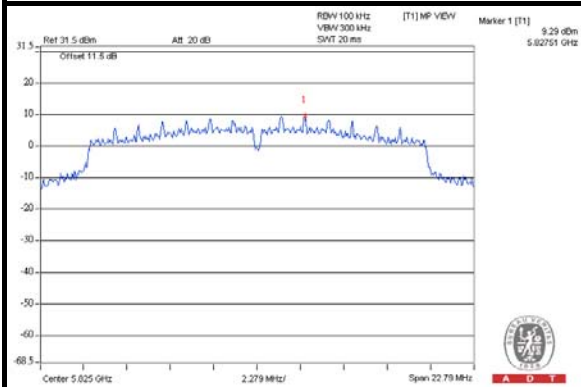
CH 149



CH 157



CH 161





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6. PHOTOGRAPHS OF THE TEST CONFIGURATION

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

7. INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:

Tel: 886-2-26052180

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Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.



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8. 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---