FCC TEST REPORT (15.407)

REPORT NO.:	RF110427C17-1
MODEL NO.:	VAP2400
FCC ID:	ACQ-VAP2400
RECEIVED:	Apr. 27, 2011
TESTED:	May 04, 2011 ~ Apr. 08, 2012
ISSUED:	Apr. 09, 2012

APPLICANT:	Motorola Mobility Inc.
ADDRESS:	101 Tournament Drive Horsham,PA 19044 United States

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
LAB ADDRESS:	No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C)
TEST LOCATION:	No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

TABLE OF CONTENTS

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF110427C17-1	Original release	Apr. 09, 2012

1. CERTIFICATION

PRODUCT:	VAP2400 Video Access Point/Client
MODEL:	VAP2400
BRAND:	Motorola Mobility Inc.
APPLICANT:	Motorola Mobility Inc.
TEST SAMPLE:	ENGINEERING SAMPLE
TESTED:	May 04, 2011 ~ Apr. 08, 2012
STANDARDS:	**FCC Part 15, Subpart E (Section 15.407)**
	ANSI C63.4-2003
	ANSI C63.10-2009

The above equipment (Model: VAP2400) 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 : _____ , DATE: Apr. 09, 2012
Ivy Lin / Specialist

APPROVED BY : _____ , DATE: Apr. 09, 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 E (SECTION 15.407)			
STANDARD SECTION	**TEST TYPE AND LIMIT**	**RESULT**	**REMARK**
15.407(b)(5)	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -12.60dB at 0.45078MHz.
15.407(b/1/2/3) (b)(5)	Electric Field Strength Spurious Emissions, 30MHz ~ 40000MHz	PASS	Meet the requirement of limit. Minimum passing margin is -1.0dB at 5350.00MHz.
15.407(a/1/2/3)	Peak Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(6)	Peak Power Excursion	PASS	Meet the requirement of limit.
15.407(a/1/2/3)	Peak Power Spectral Density	PASS	Meet the requirement of limit.
15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Antenna connector is I-PEX not a standard connector.

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	150kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.19 dB
	200MHz ~1000MHz	3.21 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	VAP2400 Video Access Point/Client
MODEL NO.	VAP2400
FCC ID	ACQ-VAP2400
POWER SUPPLY	12Vdc (adapter)
MODULATION TYPE	64QAM, 16QAM, QPSK, BPSK
MODULATION TECHNOLOGY	OFDM
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n (20MHz): up to 300.0Mbps
OPERATING FREQUENCY	5180 ~ 5320MHz, 5500 ~ 5580MHz, 5680 ~ 5700MHz
NUMBER OF CHANNEL	5180 ~ 5320MHz: 8 for 802.11a, 802.11n (20MHz) 4 for 802.11n (40MHz) 5500 ~ 5700MHz: 7 for 802.11a, 802.11n (20MHz) 3 for 802.11n (40MHz)
OUTPUT POWER	44.0mW for 5180 ~ 5240MHz 174.2mW for 5260 ~ 5320MHz 239.3mW for 5500 ~ 5580MHz 137.3mW for 5670 ~ 5700MHz
ANTENNA TYPE	Dipole antenna with 2.0dBi gain
ANTENNA CONNECTOR	I-PEX
I/O PORTS	Refer to users' manual
DATA CABLE	NA
ACCESSORY DEVICES	Adapter

NOTE:

1. The frequency bands used in this EUT are listed as follows:

Frequency Band (MHz)	5180~5320	5500~5580	5670~5700	5745~5825
802.11a	√	√	√	√
802.11n (20MHz)	√	√	√	√
802.11n (40MHz)	√	√	√	√

2. The EUT has disabled the 5600-5650MHz band by S/W to avoid 5600-5650MHz band for FCC certification.
3. The EUT incorporates a MIMO function. Physically, the EUT provides four completed transmitters and four receivers.

MODULATION MODE	TX FUNCTION
802.11a	4TX
802.11n (20MHz)	4TX
802.11n (40MHz)	4TX

4. The EUT was powered by the following adapters:

ADAPTER 1	
BRAND	LEADER
MODEL	MT12-Y120100-A1
INPUT POWER	100-120Vac, 50/60Hz, 0.3A
OUTPUT POWER	12Vdc, 1.0A
POWER LINE	DC: 1.8m non-shielded cable with 1 core

ADAPTER 2	
BRAND	DELTA ELECTRONICS. INC
MODEL	EADP-13BB B
INPUT POWER	100-240Vac, 0.4A, 50/60Hz
OUTPUT POWER	12Vdc, 1.085A
POWER LINE	DC: 1.8m non-shielded cable without core

*After pre-testing, the adapter 1 is the worst case for final test.

5. This report is issued for version: VAP2400 Rev. 1.0.
6. The above EUT information is declared by 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 5180 ~ 5320MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	52	5260 MHz
40	5200 MHz	56	5280 MHz
44	5220 MHz	60	5300 MHz
48	5240 MHz	64	5320 MHz

4 channels are provided for 802.11n (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	54	5270 MHz
46	5230 MHz	62	5310 MHz

FOR 5500 ~ 5700MHz

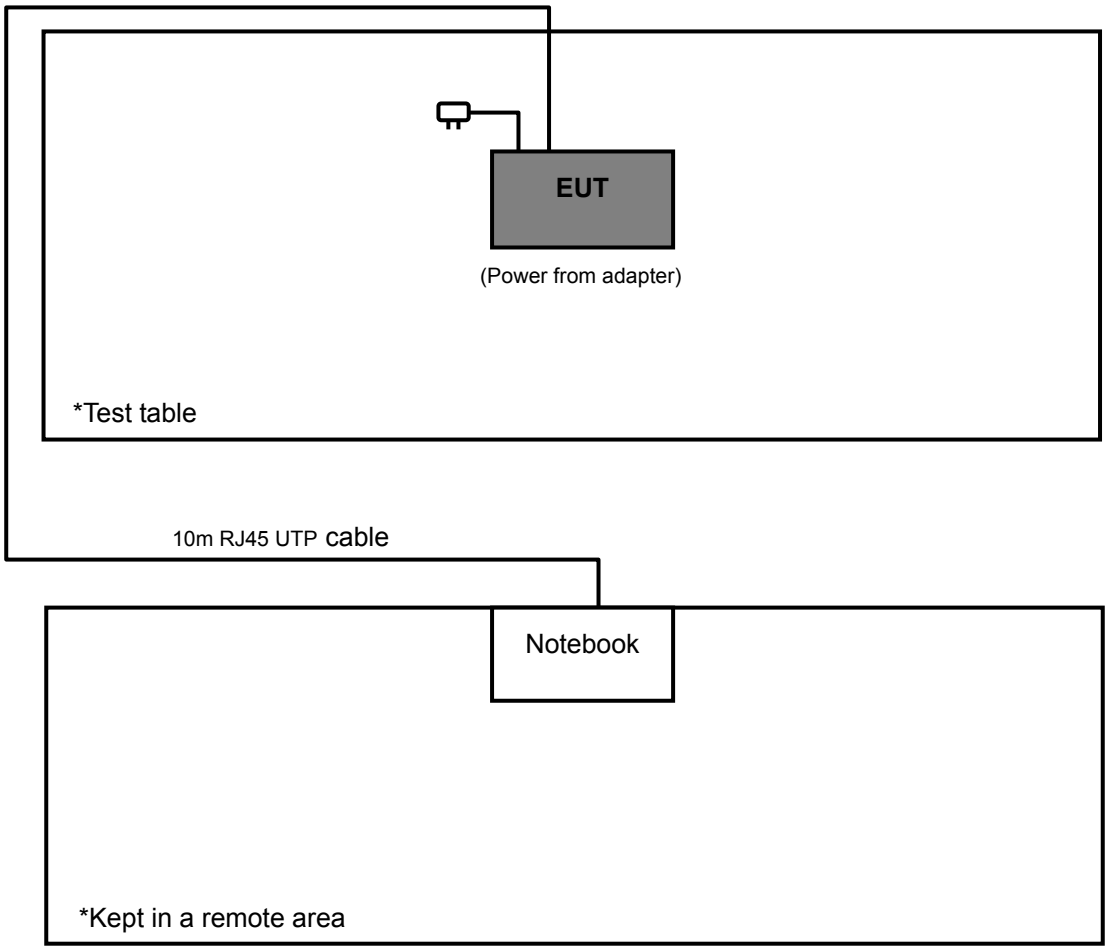
7 channels are provided for 802.11a, 802.11n (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
100	5500 MHz	116	5580 MHz
104	5520 MHz	136	5680 MHz
108	5540 MHz	140	5700 MHz
112	5560 MHz		

3 channels are provided for 802.11n (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510 MHz	134	5670 MHz
110	5550 MHz		

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST



3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
-	√	√	√	√	Adapter model: MT12-Y120100-A1

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

RADIATED EMISSION TEST (ABOVE 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations 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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11a	5180-5320	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.0
-	802.11n (20MHz)		36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	7.2
-	802.11n (40MHz)		38 to 62	38, 46, 54, 62	OFDM	BPSK	15.0
-	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6.0
-	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	7.2
-	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	15.0

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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11a	5180-5320	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.0
-	802.11n (20MHz)		36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	7.2
-	802.11n (40MHz)		38 to 62	38, 46, 54, 62	OFDM	BPSK	15.0
-	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6.0
-	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	7.2
-	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	15.0

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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11a	5180-5320	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.0
-	802.11n (20MHz)		36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	7.2
-	802.11n (40MHz)		38 to 62	38, 46, 54, 62	OFDM	BPSK	15.0
-	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6.0
-	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	7.2
-	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	15.0

ANTENNA PORT CONDUCTED MEASUREMENT:

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11a	5180-5320	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.0
-	802.11n (20MHz)		36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	7.2
-	802.11n (40MHz)		38 to 62	38, 46, 54, 62	OFDM	BPSK	15.0
-	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6.0
-	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	7.2
-	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	15.0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE≥1G	25deg. C, 66%RH, 1008 hPa, 26deg. C, 66%RH, 1009 hPa	120Vac, 60Hz	Mark Liao, Frank Wang
RE<1G	25deg. C, 64%RH, 1009 hPa, 23deg. C, 65%RH, 1009 hPa	120Vac, 60Hz	Frank Wang, Alan Wu, Anderson Hong
PLC	25deg. C, 68%RH, 1004 hPa	120Vac, 60Hz	Sun Lin
APCM	25deg. C, 65%RH, 1005 hPa	120Vac, 60Hz	Frank Wang, Haru Yang

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC Part 15, Subpart E (15.407)
ANSI C63.4-2003
ANSI C63.10-2009

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.

3.4 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK	DELL	PP05L	25191592336	E2K24CLNS

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	10m RJ45 UTP cable.

NOTE:
1. All power cords of the above support units are non-shielded (1.8m).
2. Item 1 acted a communication partner to transfer data.

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

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

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.1.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

FREQUENCIES (MHz)	EIRP LIMIT (dBm)	EQUIVALENT FIELD STRENGTH AT 3m (dBμV/m) *NOTE 3
	PK	PK
5150 ~ 5350	-27	68.3
5470 ~ 5725	-27	68.3

NOTE: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts).

4.1.3 TEST INSTRUMENTS

Test date: May 04 ~ Dec. 16, 2011

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESI7	838496/016	Dec. 27, 2010	Dec. 26, 2011
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Feb. 23, 2011	Feb. 22, 2012
BILOG Antenna SCHWARZBECK	VULB9168	9168-155	Apr. 12, 2011	Apr. 11, 2012
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-408	Jan. 06, 2011	Jan. 05, 2012
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 20, 2011	Jul. 19, 2012
Preamplifier Agilent	8449B	3008A01961	Oct. 29, 2011	Oct. 28, 2012
Preamplifier Agilent	8447D	2944A10738	Oct. 29, 2011	Oct. 28, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	309220/4	Nov. 03, 2011	Nov. 02, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250724/4	Nov. 03, 2011	Nov. 02, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	295012/4	Nov. 03, 2011	Nov. 02, 2012
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	010303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	019303	NA	NA
Turn Table ADT.	TT100.	TT93021704	NA	NA
Turn Table Controller ADT.	SC100.	SC93021704	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	815221	Oct. 29, 2011	Oct. 28, 2012
High Speed Peak Power Meter	ML2495A	0842014	Apr. 26, 2011	Apr. 25, 2012
Power Sensor	MA2411B	0738404	Apr. 26, 2011	Apr. 25, 2012

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 Chamber 4.

3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

4. The FCC Site Registration No. is 460141.

5. The IC Site Registration No. is IC7450F-4.

Test date: Apr. 06 ~ Apr. 07, 2012

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESI7	838496/016	Jan. 03, 2012	Jan. 02, 2013
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Jan. 30, 2012	Jan. 29, 2013
BILOG Antenna SCHWARZBECK	VULB9168	9168-155	Apr. 12, 2011	Apr. 11, 2012
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-408	Jan. 05, 2012	Jan. 04, 2013
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 20, 2011	Jul. 19, 2012
Preamplifier Agilent	8449B	3008A01961	Oct. 29, 2011	Oct. 28, 2012
Preamplifier Agilent	8447D	2944A10738	Oct. 29, 2011	Oct. 28, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	309220/4	Nov. 03, 2011	Nov. 02, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250724/4	Nov. 03, 2011	Nov. 02, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	295012/4	Nov. 03, 2011	Nov. 02, 2012
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	010303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	019303	NA	NA
Turn Table ADT.	TT100.	TT93021704	NA	NA
Turn Table Controller ADT.	SC100.	SC93021704	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 Chamber 4.

3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

4. The FCC Site Registration No. is 460141.

5. The IC Site Registration No. is IC7450F-4.

4.1.4 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

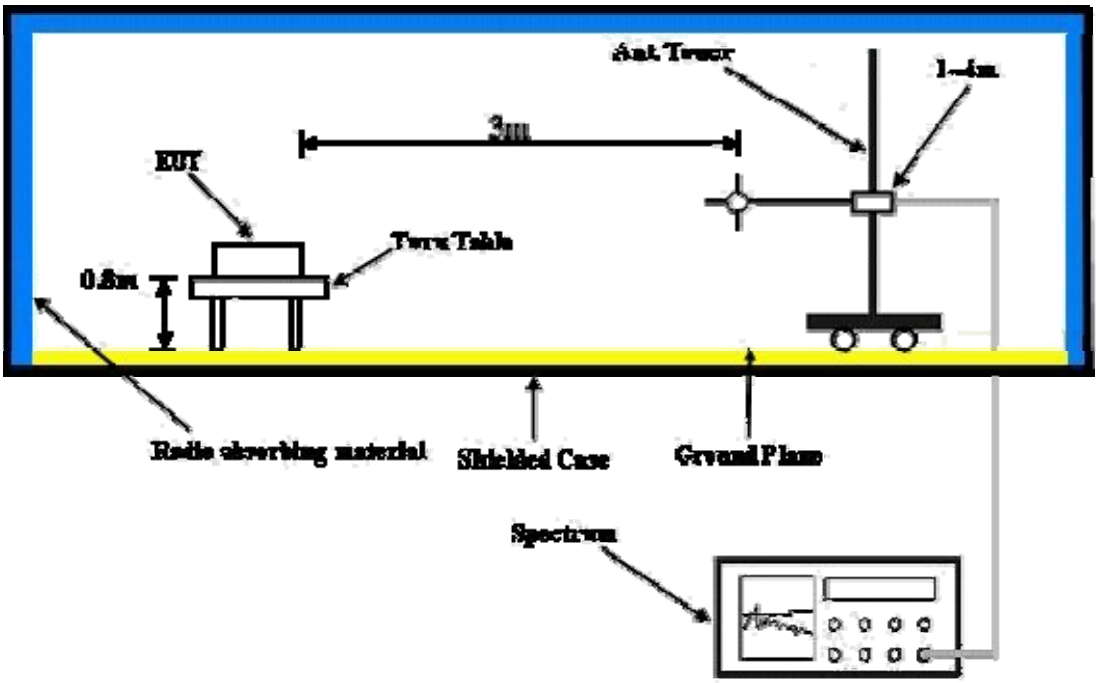
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) 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.

4.1.5 DEVIATION FROM TEST STANDARD

No deviation.

4.1.6 TEST SETUP



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

4.1.7 EUT OPERATING CONDITION

a. Placed the EUT on the testing table.
b. Prepared notebook to act as communication partner and placed it outside of testing area.
c. The communication partner connected with EUT via a RJ45 cable and run a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
d. The communication partner sent data to EUT by command "PING".

4.1.8 TEST RESULTS

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	**FREQUENCY RANGE**	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1009 hPa	**TESTED BY**	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5150.00	47.8 PK	74.0	-26.2	1.00 H	205	9.30	38.50
2	5150.00	36.4 AV	54.0	-17.6	1.00 H	205	-2.10	38.50
3	*5180.00	105.4 PK			1.00 H	205	66.80	38.60
4	*5180.00	95.9 AV			1.00 H	205	57.30	38.60
5	#10360.00	61.4 PK	68.3	-6.9	1.16 H	302	12.40	49.00
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	5150.00	54.9 PK	74.0	-19.1	1.03 V	187	16.40	38.50
2	5150.00	42.7 AV	54.0	-11.3	1.03 V	187	4.20	38.50
3	*5180.00	112.9 PK			1.02 V	29	74.30	38.60
4	*5180.00	103.2 AV			1.02 V	29	64.60	38.60
5	#10360.00	61.6 PK	68.3	-6.7	1.00 V	225	12.60	49.00

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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5150.00	45.5 PK	74.0	-28.5	1.28 H	304	7.00	38.50
2	5150.00	35.4 AV	54.0	-18.6	1.28 H	304	-3.10	38.50
3	*5200.00	104.6 PK			1.00 H	203	66.00	38.60
4	*5200.00	95.1 AV			1.00 H	203	56.50	38.60
5	#10400.00	61.7 PK	68.3	-6.6	1.44 H	318	12.70	49.00
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	5150.00	49.2 PK	74.0	-24.8	1.05 V	302	10.70	38.50
2	5150.00	39.6 AV	54.0	-14.4	1.05 V	302	1.10	38.50
3	*5200.00	112.9 PK			1.01 V	356	74.30	38.60
4	*5200.00	103.1 AV			1.01 V	356	64.50	38.60
5	#10400.00	60.4 PK	68.3	-7.9	1.45 V	214	11.40	49.00

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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5240.00	105.0 PK			1.05 H	210	66.40	38.60
2	*5240.00	95.5 AV			1.05 H	210	56.90	38.60
3	5350.00	47.2 PK	74.0	-26.8	1.05 H	122	8.50	38.70
4	5350.00	35.2 AV	54.0	-18.8	1.05 H	122	-3.50	38.70
5	#10480.00	61.5 PK	68.3	-6.8	1.36 H	333	12.20	49.30
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	*5240.00	114.3 PK			1.00 V	1	75.70	38.60
2	*5240.00	103.6 AV			1.00 V	1	65.00	38.60
3	5350.00	50.9 PK	74.0	-23.1	1.00 V	5	12.20	38.70
4	5350.00	39.9 AV	54.0	-14.1	1.00 V	5	1.20	38.70
5	#10480.00	61.0 PK	68.3	-7.3	1.00 V	175	11.70	49.30

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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5150.00	48.3 PK	74.0	-25.7	1.18 H	131	9.80	38.50
2	5150.00	36.6 AV	54.0	-17.4	1.18 H	131	-1.90	38.50
3	*5260.00	113.0 PK			1.18 H	131	74.40	38.60
4	*5260.00	103.2 AV			1.18 H	131	64.60	38.60
5	#10520.00	66.5 PK	68.3	-1.8	1.47 H	313	17.10	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	5150.00	52.4 PK	74.0	-21.6	1.32 V	95	13.90	38.50
2	5150.00	39.3 AV	54.0	-14.7	1.32 V	95	0.80	38.50
3	*5260.00	118.6 PK			1.32 V	95	80.00	38.60
4	*5260.00	109.1 AV			1.32 V	95	70.50	38.60
5	#10520.00	67.1 PK	68.3	-1.2	1.00 V	178	17.70	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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5300.00	113.6 PK			1.20 H	118	74.90	38.70
2	*5300.00	103.8 AV			1.20 H	118	65.10	38.70
3	5350.00	52.3 PK	74.0	-21.7	1.11 H	273	13.60	38.70
4	5350.00	39.2 AV	54.0	-14.8	1.11 H	273	0.50	38.70
5	10600.00	67.5 PK	74.0	-6.5	1.35 H	331	17.90	49.60
6	10600.00	52.9 AV	54.0	-1.1	1.35 H	331	3.30	49.60
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	*5300.00	119.4 PK			1.33 V	78	80.70	38.70
2	*5300.00	109.7 AV			1.33 V	78	71.00	38.70
3	5350.00	56.6 PK	74.0	-17.4	1.31 V	81	17.90	38.70
4	5350.00	45.5 AV	54.0	-8.5	1.31 V	81	6.80	38.70
5	10600.00	67.2 PK	74.0	-6.8	1.03 V	178	17.60	49.60
6	10600.00	52.7 AV	54.0	-1.3	1.03 V	178	3.10	49.60

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 64	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5320.00	112.1 PK			1.25 H	142	73.50	38.60
2	*5320.00	103.4 AV			1.25 H	142	64.80	38.60
3	5350.00	67.3 PK	74.0	-6.7	1.14 H	140	28.60	38.70
4	5350.00	48.3 AV	54.0	-5.7	1.14 H	140	9.60	38.70
5	10640.00	68.2 PK	74.0	-5.8	1.35 H	336	18.60	49.60
6	10640.00	52.8 AV	54.0	-1.2	1.35 H	336	3.20	49.60
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	*5320.00	118.9 PK			1.28 V	100	80.20	38.70
2	*5320.00	109.5 AV			1.28 V	100	70.80	38.70
3	5350.00	68.8 PK	74.0	-5.2	1.27 V	97	30.10	38.70
4	5350.00	52.4 AV	54.0	-1.6	1.27 V	97	13.70	38.70
5	10640.00	68.3 PK	74.0	-5.7	1.03 V	181	18.60	49.70
6	10640.00	52.9 AV	54.0	-1.1	1.03 V	181	3.20	49.70

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 100	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5460.00	55.6 PK	74.0	-18.4	1.16 H	211	16.70	38.90
2	5460.00	44.6 AV	54.0	-9.4	1.16 H	211	5.70	38.90
3	#5470.00	64.1 PK	68.3	-4.2	1.16 H	211	25.20	38.90
4	*5500.00	112.7 PK			1.14 H	211	73.80	38.90
5	*5500.00	103.5 AV			1.14 H	211	64.60	38.90
6	11000.00	68.4 PK	74.0	-5.6	1.44 H	345	17.80	50.60
7	11000.00	52.9 AV	54.0	-1.1	1.44 H	345	2.30	50.60
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	5460.00	61.8 PK	74.0	-12.2	1.08 V	324	22.90	38.90
2	5460.00	48.9 AV	54.0	-5.1	1.08 V	324	10.00	38.90
3	#5470.00	67.1 PK	68.3	-1.2	1.08 V	324	28.20	38.90
4	*5500.00	118.5 PK			1.08 V	335	79.60	38.90
5	*5500.00	108.9 AV			1.08 V	335	70.00	38.90
6	11000.00	68.1 PK	74.0	-5.9	1.02 V	241	17.50	50.60
7	11000.00	52.7 AV	54.0	-1.3	1.02 V	241	2.10	50.60

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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 116	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5460.00	50.7 PK	74.0	-23.3	1.12 H	141	11.80	38.90
2	5460.00	38.0 AV	54.0	-16.0	1.12 H	141	-0.90	38.90
3	#5470.00	49.2 PK	68.3	-19.1	1.12 H	141	10.30	38.90
4	*5580.00	113.0 PK			1.17 H	141	74.00	39.00
5	*5580.00	103.3 AV			1.17 H	141	64.30	39.00
6	11160.00	68.9 PK	74.0	-5.1	1.47 H	343	18.40	50.50
7	11160.00	52.9 AV	54.0	-1.1	1.47 H	343	2.40	50.50
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	5460.00	57.8 PK	74.0	-16.2	1.08 V	312	18.90	38.90
2	5460.00	44.9 AV	54.0	-9.1	1.08 V	312	6.00	38.90
3	#5470.00	59.3 PK	68.3	-9.0	1.08 V	312	20.40	38.90
4	*5580.00	118.7 PK			1.10 V	352	79.70	39.00
5	*5580.00	109.3 AV			1.10 V	352	70.30	39.00
6	11160.00	68.4 PK	74.0	-5.6	1.05 V	201	17.90	50.50
7	11160.00	52.3 AV	54.0	-1.7	1.05 V	201	1.80	50.50

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5700.00	110.6 PK			1.12 H	215	71.40	39.20
2	*5700.00	101.0 AV			1.12 H	215	61.80	39.20
3	#5725.00	63.8 PK	68.3	-4.5	1.15 H	210	24.50	39.30
4	11400.00	62.7 PK	74.0	-11.3	1.35 H	310	12.30	50.40
5	11400.00	48.4 AV	54.0	-5.6	1.35 H	310	-2.00	50.40
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	*5700.00	116.2 PK			1.00 V	162	77.00	39.20
2	*5700.00	106.7 AV			1.00 V	162	67.50	39.20
3	#5725.00	66.8 PK	68.3	-1.5	1.01 V	186	27.50	39.30
4	11400.00	60.9 PK	74.0	-13.1	1.06 V	356	10.50	50.40
5	11400.00	48.9 AV	54.0	-5.1	1.06 V	356	-1.50	50.40

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 radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5150.00	48.2 PK	74.0	-25.8	1.31 H	232	9.70	38.50
2	5150.00	36.7 AV	54.0	-17.3	1.31 H	232	-1.80	38.50
3	*5180.00	104.3 PK			1.31 H	232	65.70	38.60
4	*5180.00	90.9 AV			1.31 H	232	52.30	38.60
5	#10360.00	59.4 PK	68.3	-8.9	1.32 H	256	10.40	49.00
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	5150.00	58.3 PK	74.0	-15.7	1.06 V	145	19.80	38.50
2	5150.00	44.1 AV	54.0	-9.9	1.06 V	145	5.60	38.50
3	*5180.00	112.5 PK			1.08 V	150	73.90	38.60
4	*5180.00	100.0 AV			1.08 V	150	61.40	38.60
5	#10360.00	64.2 PK	68.3	-4.1	1.28 V	140	15.20	49.00

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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5150.00	55.5 PK	74.0	-18.5	1.04 H	353	17.00	38.50
2	5150.00	42.1 AV	54.0	-11.9	1.04 H	353	3.60	38.50
3	*5200.00	101.7 PK			1.07 H	188	63.10	38.60
4	*5200.00	89.2 AV			1.07 H	188	50.60	38.60
5	#10400.00	61.5 PK	68.3	-6.8	1.15 H	213	12.50	49.00
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	5150.00	56.7 PK	74.0	-17.3	1.18 V	156	18.20	38.50
2	5150.00	43.4 AV	54.0	-10.6	1.18 V	156	4.90	38.50
3	*5200.00	112.7 PK			1.20 V	193	74.10	38.60
4	*5200.00	100.4 AV			1.20 V	193	61.80	38.60
5	#10400.00	65.1 PK	68.3	-3.2	1.05 V	144	16.10	49.00

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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5150.00	56.1 PK	74.0	-17.9	1.09 H	274	17.60	38.50
2	5150.00	42.2 AV	54.0	-11.8	1.09 H	274	3.70	38.50
3	*5240.00	103.1 PK			1.08 H	159	64.50	38.60
4	*5240.00	90.1 AV			1.08 H	159	51.50	38.60
5	#10480.00	61.0 PK	68.3	-7.3	1.46 H	258	11.70	49.30
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	5150.00	56.4 PK	74.0	-17.6	1.20 V	171	17.90	38.50
2	5150.00	42.8 AV	54.0	-11.2	1.20 V	171	4.30	38.50
3	*5240.00	113.2 PK			1.17 V	163	74.60	38.60
4	*5240.00	100.8 AV			1.17 V	163	62.20	38.60
5	#10480.00	64.4 PK	68.3	-3.9	1.14 V	302	15.10	49.30

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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5260.00	108.1 PK			1.21 H	111	69.50	38.60
2	*5260.00	96.1 AV			1.21 H	111	57.50	38.60
3	5350.00	50.1 PK	74.0	-23.9	1.17 H	82	11.40	38.70
4	5350.00	36.6 AV	54.0	-17.4	1.17 H	82	-2.10	38.70
5	#10520.00	62.7 PK	68.3	-5.6	1.04 H	187	13.40	49.30
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	*5260.00	118.6 PK			1.04 V	156	80.00	38.60
2	*5260.00	106.5 AV			1.04 V	156	67.90	38.60
3	5350.00	53.5 PK	74.0	-20.5	1.15 V	166	14.80	38.70
4	5350.00	41.1 AV	54.0	-12.9	1.15 V	166	2.40	38.70
5	#10520.00	67.1 PK	68.3	-1.2	1.06 V	105	17.80	49.30

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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5300.00	108.6 PK			1.22 H	255	69.90	38.70
2	*5300.00	96.4 AV			1.22 H	255	57.70	38.70
3	5350.00	50.4 PK	74.0	-23.6	1.12 H	280	11.70	38.70
4	5350.00	38.1 AV	54.0	-15.9	1.12 H	280	-0.60	38.70
5	10600.00	61.1 PK	74.0	-12.9	1.19 H	100	11.50	49.60
6	10600.00	48.3 AV	54.0	-5.7	1.19 H	100	-1.30	49.60
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	*5300.00	118.2 PK			1.05 V	120	79.60	38.60
2	*5300.00	106.7 AV			1.05 V	120	68.10	38.60
3	5350.00	55.1 PK	74.0	-18.9	1.09 V	251	16.40	38.70
4	5350.00	42.2 AV	54.0	-11.8	1.09 V	251	3.50	38.70
5	10600.00	65.7 PK	74.0	-8.3	1.22 V	163	16.20	49.50
6	10600.00	51.8 AV	54.0	-2.2	1.22 V	163	2.30	49.50

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 64	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5320.00	106.6 PK			1.13 H	258	68.00	38.60
2	*5320.00	96.5 AV			1.13 H	258	57.90	38.60
3	5350.00	56.0 PK	74.0	-18.0	1.10 H	163	17.30	38.70
4	5350.00	41.2 AV	54.0	-12.8	1.10 H	163	2.50	38.70
5	10640.00	60.6 PK	74.0	-13.4	1.12 H	54	11.00	49.60
6	10640.00	47.6 AV	54.0	-6.4	1.12 H	54	-2.00	49.60
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	*5320.00	117.0 PK			1.64 V	201	78.40	38.60
2	*5320.00	106.2 AV			1.64 V	201	67.60	38.60
3	5350.00	60.1 PK	74.0	-13.9	1.14 V	242	21.40	38.70
4	5350.00	47.2 AV	54.0	-6.8	1.14 V	242	8.50	38.70
5	10640.00	65.7 PK	74.0	-8.3	1.06 V	63	16.10	49.60
6	10640.00	52.1 AV	54.0	-1.9	1.06 V	63	2.50	49.60

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 100	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5460.00	60.8 PK	74.0	-13.2	1.05 H	223	22.00	38.80
2	5460.00	45.8 AV	54.0	-8.2	1.05 H	223	7.00	38.80
3	#5470.00	66.7 PK	68.3	-1.6	1.05 H	223	27.90	38.80
4	*5500.00	108.4 PK			1.00 H	142	69.50	38.90
5	*5500.00	96.1 AV			1.00 H	142	57.20	38.90
6	11000.00	61.3 PK	74.0	-12.7	1.40 H	330	10.80	50.50
7	11000.00	47.8 AV	54.0	-6.2	1.40 H	330	-2.70	50.50
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	5460.00	62.5 PK	74.0	-11.5	1.07 V	46	23.70	38.80
2	5460.00	49.6 AV	54.0	-4.4	1.07 V	46	10.80	38.80
3	#5470.00	67.2 PK	68.3	-1.1	1.07 V	46	28.40	38.80
4	*5500.00	118.7 PK			1.28 V	324	79.80	38.90
5	*5500.00	105.6 AV			1.28 V	324	66.70	38.90
6	11000.00	62.3 PK	74.0	-11.7	2.02 V	244	11.80	50.50
7	11000.00	50.8 AV	54.0	-3.2	2.02 V	244	0.30	50.50

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 116	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1008 hPa	TESTED BY	Frank Wang
TEST MODE	Adapter model: MT12-Y120100-A1		

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	#5470.00	56.5 PK	68.3	-11.8	1.02 H	218	17.70	38.80
2	*5580.00	109.3 PK			1.02 H	218	70.30	39.00
3	*5580.00	96.0 AV			1.02 H	218	57.00	39.00
4	11160.00	63.5 PK	74.0	-10.5	1.20 H	45	13.00	50.50
5	11160.00	48.8 AV	54.0	-5.2	1.20 H	45	-1.70	50.50
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	#5470.00	56.7 PK	68.3	-11.6	1.05 V	326	17.80	38.90
2	*5580.00	118.6 PK			1.05 V	326	79.60	39.00
3	*5580.00	105.8 AV			1.05 V	326	66.80	39.00
4	11160.00	66.7 PK	74.0	-7.3	1.34 V	335	16.20	50.50
5	11160.00	51.8 AV	54.0	-2.2	1.34 V	335	1.30	50.50

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5700.00	107.1 PK			1.05 H	121	67.90	39.20
2	*5700.00	95.0 AV			1.05 H	121	55.80	39.20
3	#5725.00	58.5 PK	68.3	-9.8	1.10 H	220	19.20	39.30
4	11400.00	64.5 PK	74.0	-9.5	1.16 H	82	14.10	50.40
5	11400.00	49.6 AV	54.0	-4.4	1.16 H	82	-0.80	50.40
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	*5700.00	116.1 PK			1.08 V	300	76.90	39.20
2	*5700.00	104.2 AV			1.04 V	245	65.00	39.20
3	#5725.00	67.0 PK	68.3	-1.3	1.17 V	300	27.70	39.30
4	11400.00	64.8 PK	74.0	-9.2	1.21 V	215	14.40	50.40
5	11400.00	52.4 AV	54.0	-1.6	1.21 V	215	2.00	50.40

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 radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 38	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1008 hPa	TESTED BY	Frank Wang
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5150.00	61.1 PK	74.0	-12.9	1.00 H	144	22.60	38.50
2	5150.00	46.1 AV	54.0	-7.9	1.00 H	144	7.60	38.50
3	*5190.00	103.0 PK			1.00 H	145	64.40	38.60
4	*5190.00	88.9 AV			1.00 H	145	50.30	38.60
5	#10380.00	60.0 PK	68.3	-8.3	1.42 H	320	11.00	49.00
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	5150.00	68.2 PK	74.0	-5.8	1.12 V	53	29.70	38.50
2	5150.00	51.5 AV	54.0	-2.5	1.12 V	53	13.00	38.50
3	*5190.00	110.2 PK			1.00 V	70	71.60	38.60
4	*5190.00	97.0 AV			1.00 V	70	58.40	38.60
5	#10380.00	63.9 PK	68.3	-4.4	1.02 V	187	14.90	49.00

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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5230.00	101.3 PK			1.12 H	152	62.70	38.60
2	*5230.00	88.7 AV			1.12 H	152	50.10	38.60
3	5377.00	49.9 PK	74.0	-24.1	1.14 H	223	11.20	38.70
4	5377.00	38.3 AV	54.0	-15.7	1.14 H	223	-0.40	38.70
5	#10460.00	60.1 PK	68.3	-8.2	1.25 H	321	10.90	49.20
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	*5230.00	110.1 PK			1.01 V	191	71.50	38.60
2	*5230.00	96.8 AV			1.01 V	191	58.20	38.60
3	5377.00	53.5 PK	74.0	-20.5	1.07 V	135	14.80	38.70
4	5377.00	41.0 AV	54.0	-13.0	1.07 V	135	2.30	38.70
5	#10460.00	61.8 PK	68.3	-6.5	1.40 V	187	12.60	49.20

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.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 54	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5150.00	49.7 PK	74.0	-24.3	1.37 H	149	11.20	38.50
2	5150.00	36.4 AV	54.0	-17.6	1.37 H	149	-2.10	38.50
3	*5270.00	109.4 PK			1.39 H	147	70.80	38.60
4	*5270.00	95.2 AV			1.39 H	147	56.60	38.60
5	#10540.00	64.5 PK	68.3	-3.8	1.34 H	343	15.10	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	5150.00	54.1 PK	74.0	-19.9	1.00 V	185	15.60	38.50
2	5150.00	41.6 AV	54.0	-12.4	1.00 V	185	3.10	38.50
3	*5270.00	116.5 PK			1.00 V	185	77.90	38.60
4	*5270.00	103.3 AV			1.00 V	185	64.70	38.60
5	#10540.00	66.6 PK	68.3	-1.7	1.45 V	215	17.20	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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 62	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1008 hPa	TESTED BY	Frank Wang
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5310.00	106.6 PK			1.25 H	266	68.00	38.60
2	*5310.00	93.0 AV			1.25 H	266	54.40	38.60
3	5350.00	67.0 PK	74.0	-7.0	1.13 H	268	28.30	38.70
4	5350.00	47.3 AV	54.0	-6.7	1.13 H	268	8.60	38.70
5	10620.00	60.5 PK	74.0	-13.5	1.10 H	310	10.90	49.60
6	10620.00	47.2 AV	54.0	-6.8	1.10 H	310	-2.40	49.60
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	*5310.00	115.5 PK			1.10 V	182	76.90	38.60
2	*5310.00	101.3 AV			1.10 V	182	62.70	38.60
3	5350.00	72.5 PK	74.0	-1.5	1.00 V	346	33.80	38.70
4	**5350.00**	**53.0 AV**	**54.0**	**-1.0**	**1.00 V**	**346**	**14.30**	**38.70**
5	10620.00	61.3 PK	74.0	-12.7	1.42 V	183	11.70	49.60
6	10620.00	48.2 AV	54.0	-5.8	1.42 V	183	-1.40	49.60

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 102	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	5460.00	58.1 PK	74.0	-15.9	1.20 H	257	19.30	38.80
2	5460.00	39.3 AV	54.0	-14.7	1.20 H	257	0.50	38.80
3	#5470.00	61.7 PK	68.3	-6.6	1.20 H	257	22.90	38.80
4	*5510.00	104.4 PK			1.20 H	284	65.50	38.90
5	*5510.00	91.6 AV			1.20 H	284	52.70	38.90
6	11020.00	60.4 PK	74.0	-13.6	1.13 H	352	9.90	50.50
7	11020.00	47.9 AV	54.0	-6.1	1.13 H	352	-2.60	50.50
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	5460.00	58.1 PK	74.0	-15.9	1.06 V	46	19.20	38.90
2	5460.00	43.9 AV	54.0	-10.1	1.06 V	46	5.00	38.90
3	#5470.00	67.2 PK	68.3	-1.1	1.06 V	46	28.30	38.90
4	*5510.00	112.1 PK			1.06 V	321	73.20	38.90
5	*5510.00	99.1 AV			1.06 V	321	60.20	38.90
6	11020.00	59.8 PK	74.0	-14.2	1.05 V	11	9.20	50.60
7	11020.00	47.7 AV	54.0	-6.3	1.05 V	11	-2.90	50.60

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 radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 110	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	#5470.00	56.7 PK	68.3	-11.6	1.13 H	227	17.80	38.90
2	*5550.00	110.3 PK			1.11 H	221	71.30	39.00
3	*5550.00	97.1 AV			1.11 H	221	58.10	39.00
4	11100.00	59.8 PK	74.0	-14.2	1.22 H	321	9.30	50.50
5	11100.00	46.2 AV	54.0	-7.8	1.22 H	321	-4.30	50.50
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	#5470.00	63.8 PK	68.3	-4.5	1.07 V	180	25.00	38.80
2	*5550.00	118.4 PK			1.13 V	55	79.50	38.90
3	*5550.00	105.4 AV			1.13 V	55	66.50	38.90
4	11100.00	61.2 PK	74.0	-12.8	1.52 V	225	10.70	50.50
5	11100.00	48.9 AV	54.0	-5.1	1.52 V	225	-1.60	50.50

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 134	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 66%RH 1009 hPa	TESTED BY	Mark Liao
TEST MODE	Adapter model: MT12-Y120100-A1		

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	*5670.00	107.7 PK			1.01 H	27	68.50	39.20
2	*5670.00	94.6 AV			1.01 H	27	55.40	39.20
3	5725.00	59.7 PK	68.3	-8.6	1.22 H	212	20.30	39.40
4	11340.00	62.2 PK	74.0	-11.8	1.25 H	310	11.70	50.50
5	11340.00	49.1 AV	54.0	-4.9	1.25 H	310	-1.40	50.50
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	*5670.00	114.8 PK			1.24 V	320	75.60	39.20
2	*5670.00	101.3 AV			1.24 V	320	62.10	39.20
3	5725.00	67.0 PK	68.3	-1.3	1.10 V	176	27.60	39.40
4	11340.00	64.5 PK	74.0	-9.5	1.33 V	200	14.00	50.50
5	11340.00	49.5 AV	54.0	-4.5	1.33 V	200	-1.00	50.50

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.
6. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA： 802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Alan Wu
TEST MODE	Adapter model: MT12-Y120100-A1		

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	59.06	28.3 QP	40.0	-11.7	1.75 H	76	14.70	13.60
2	136.84	29.1 QP	43.5	-14.4	1.25 H	256	15.50	13.60
3	181.55	28.4 QP	43.5	-15.1	1.75 H	100	15.50	12.90
4	300.16	34.1 QP	46.0	-11.9	1.00 H	228	18.40	15.70
5	574.30	32.8 QP	46.0	-13.2	1.25 H	202	9.90	22.90
6	799.84	35.1 QP	46.0	-10.9	1.00 H	170	8.00	27.10
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	64.90	32.1 QP	40.0	-7.9	1.50 V	2	19.10	13.00
2	103.78	29.8 QP	43.5	-13.7	1.00 V	164	19.70	10.10
3	136.84	29.5 QP	43.5	-14.0	1.00 V	121	15.90	13.60
4	300.16	34.5 QP	46.0	-11.5	1.00 V	112	18.80	15.70
5	360.43	37.0 QP	46.0	-9.0	1.50 V	90	19.70	17.30
6	624.85	35.9 QP	46.0	-10.1	1.00 V	135	12.20	23.70

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 40	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Alan Wu
TEST MODE	Adapter model: MT12-Y120100-A1		

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	105.73	20.9 QP	43.5	-22.6	1.00 H	98	10.50	10.40
2	136.84	28.0 QP	43.5	-15.5	1.25 H	255	14.40	13.60
3	300.16	33.2 QP	46.0	-12.8	1.00 H	213	17.50	15.70
4	525.69	31.2 QP	46.0	-14.8	2.00 H	190	9.50	21.70
5	550.97	31.1 QP	46.0	-14.9	1.50 H	186	8.70	22.40
6	675.40	32.0 QP	46.0	-14.0	1.00 H	184	7.80	24.20
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	64.90	32.5 QP	40.0	-7.5	1.00 V	11	19.50	13.00
2	125.17	29.6 QP	43.5	-13.9	1.75 V	143	17.00	12.60
3	181.55	26.8 QP	43.5	-16.7	3.00 V	82	13.90	12.90
4	700.68	28.5 QP	46.0	-17.5	1.25 V	143	4.10	24.40
5	825.11	32.3 QP	46.0	-13.7	1.00 V	174	4.90	27.40
6	920.38	35.5 QP	46.0	-10.5	1.00 V	71	6.70	28.80

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 48	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Alan Wu
TEST MODE	Adapter model: MT12-Y120100-A1		

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	136.84	27.6 QP	43.5	-15.9	1.50 H	255	14.00	13.60
2	325.43	33.8 QP	46.0	-12.2	1.00 H	138	17.40	16.40
3	440.14	36.0 QP	46.0	-10.0	1.00 H	67	16.50	19.50
4	624.85	33.6 QP	46.0	-12.4	1.00 H	89	9.90	23.70
5	776.51	35.7 QP	46.0	-10.3	1.00 H	207	9.20	26.50
6	825.11	35.5 QP	46.0	-10.5	2.00 H	69	8.10	27.40
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	64.90	32.4 QP	40.0	-7.6	1.00 V	339	19.40	13.00
2	97.95	26.5 QP	43.5	-17.0	1.00 V	235	17.10	9.40
3	144.61	30.0 QP	43.5	-13.5	1.25 V	351	15.90	14.10
4	475.14	32.8 QP	46.0	-13.2	1.25 V	341	12.40	20.40
5	799.84	31.4 QP	46.0	-14.6	1.75 V	11	4.30	27.10
6	825.11	31.0 QP	46.0	-15.0	1.00 V	179	3.60	27.40

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Alan Wu
TEST MODE	Adapter model: MT12-Y120100-A1		

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	53.23	26.2 QP	40.0	-13.8	1.00 H	85	12.20	14.00
2	146.56	27.9 QP	43.5	-15.6	1.00 H	106	13.70	14.20
3	181.55	27.0 QP	43.5	-16.5	1.50 H	90	14.10	12.90
4	224.33	33.7 QP	46.0	-12.3	1.75 H	264	21.20	12.50
5	550.97	29.9 QP	46.0	-16.1	1.50 H	183	7.50	22.40
6	700.68	27.5 QP	46.0	-18.5	2.00 H	196	3.10	24.40
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	64.90	32.3 QP	40.0	-7.7	1.00 V	271	19.30	13.00
2	125.17	29.1 QP	43.5	-14.4	1.00 V	159	16.50	12.60
3	325.43	31.7 QP	43.5	-14.3	1.25 V	142	15.30	16.40
4	374.04	33.6 QP	46.0	-12.4	3.00 V	189	15.90	17.70
5	920.38	35.3 QP	46.0	-10.7	1.00 V	100	6.50	28.80
6	976.77	34.4 QP	54.0	-19.6	1.00 V	80	5.00	29.40

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Alan Wu
TEST MODE	Adapter model: MT12-Y120100-A1		

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	136.84	28.4 QP	43.5	-15.1	2.00 H	265	14.80	13.60
2	181.55	27.8 QP	43.5	-15.7	1.00 H	97	14.90	12.90
3	550.97	31.0 QP	46.0	-15.0	3.00 H	188	8.60	22.40
4	599.58	29.9 QP	46.0	-16.1	1.25 H	110	6.40	23.50
5	675.40	31.8 QP	46.0	-14.2	1.00 H	192	7.60	24.20
6	961.21	29.9 QP	46.0	-24.1	1.00 H	310	0.60	29.30
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	64.90	32.2 QP	40.0	-7.8	1.00 V	48	19.20	13.00
2	360.43	34.4 QP	46.0	-11.6	1.75 V	173	17.10	17.30
3	599.58	33.3 QP	46.0	-12.7	1.00 V	28	9.80	23.50
4	675.40	32.2 QP	46.0	-13.8	1.00 V	114	8.00	24.20
5	725.96	32.6 QP	46.0	-13.4	1.00 V	167	7.50	25.10
6	920.38	35.2 QP	46.0	-10.8	1.25 V	105	6.40	28.80

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 64	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Alan Wu
TEST MODE	Adapter model: MT12-Y120100-A1		

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	53.23	26.6 QP	43.5	-13.4	3.00 H	79	12.60	14.00
2	138.78	28.6 QP	46.0	-14.9	1.25 H	248	14.80	13.80
3	224.33	32.1 QP	46.0	-13.9	1.00 H	232	19.60	12.50
4	525.69	31.0 QP	46.0	-15.0	1.75 H	213	9.30	21.70
5	640.41	33.2 QP	46.0	-12.8	1.00 H	71	9.40	23.80
6	675.40	32.3 QP	46.0	-13.7	1.00 H	189	8.10	24.20
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	64.90	32.1 QP	40.0	-7.9	1.00 V	11	19.10	13.00
2	103.78	29.8 QP	43.5	-13.7	1.00 V	250	19.70	10.10
3	360.43	34.1 QP	46.0	-11.9	1.00 V	183	16.80	17.30
4	675.40	32.1 QP	46.0	-13.9	1.50 V	123	7.90	24.20
5	776.51	33.8 QP	46.0	-12.2	2.00 V	173	7.30	26.50
6	961.21	38.2 QP	54.0	-15.8	1.50 V	86	8.90	29.30

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 100	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Alan Wu
TEST MODE	Adapter model: MT12-Y120100-A1		

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	105.73	21.0 QP	43.5	-22.5	1.00 H	84	10.60	10.40
2	160.17	25.4 QP	43.5	-18.1	1.75 H	99	11.00	14.40
3	204.89	21.0 QP	43.5	-22.5	1.00 H	89	9.30	11.70
4	424.59	31.8 QP	46.0	-14.2	1.25 H	112	12.70	19.10
5	475.14	27.6 QP	46.0	-18.4	1.00 H	109	7.20	20.40
6	720.12	30.3 QP	46.0	-15.7	1.50 H	168	5.40	24.90
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	64.90	32.2 QP	40.0	-7.8	1.25 V	45	19.20	13.00
2	300.16	33.8 QP	46.0	-12.2	1.25 V	108	18.10	15.70
3	440.14	35.1 QP	46.0	-10.9	1.00 V	102	15.60	19.50
4	475.14	35.0 QP	46.0	-11.0	1.00 V	333	14.60	20.40
5	624.85	35.9 QP	46.0	-10.1	1.00 V	127	12.20	23.70
6	675.40	32.3 QP	46.0	-13.7	1.50 V	115	8.10	24.20

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 116	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Alan Wu
TEST MODE	Adapter model: MT12-Y120100-A1		

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	68.79	20.8 QP	40.0	-19.2	1.50 H	256	8.30	12.50
2	224.33	30.6 QP	46.0	-15.4	1.00 H	264	18.10	12.50
3	424.59	32.0 QP	46.0	-14.0	1.50 H	115	12.90	19.10
4	475.14	27.4 QP	46.0	-18.6	1.25 H	99	7.00	20.40
5	675.40	32.0 QP	46.0	-14.0	1.00 H	348	7.80	24.20
6	840.67	33.8 QP	46.0	-12.2	2.00 H	58	6.20	27.60
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	64.90	32.0 QP	40.0	-8.0	1.00 V	2	19.00	13.00
2	550.97	36.0 QP	46.0	-10.0	3.00 V	87	13.60	22.40
3	725.96	32.8 QP	46.0	-13.2	1.00 V	171	7.70	25.10
4	825.11	31.5 QP	46.0	-14.5	1.00 V	171	4.10	27.40
5	875.67	35.8 QP	46.0	-10.2	2.00 V	84	7.60	28.20
6	920.38	35.6 QP	46.0	-10.4	1.25 V	104	6.80	28.80

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 140	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Alan Wu
TEST MODE	Adapter model: MT12-Y120100-A1		

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	224.33	31.9 QP	46.0	-14.1	1.75 H	253	19.40	12.50
2	374.04	35.4 QP	46.0	-10.6	1.50 H	82	17.70	17.70
3	424.59	32.1 QP	46.0	-13.9	1.75 H	88	13.00	19.10
4	500.42	30.6 QP	46.0	-15.4	2.00 H	182	9.50	21.10
5	550.97	29.7 QP	46.0	-16.3	1.25 H	12	7.30	22.40
6	599.58	29.7 QP	46.0	-16.3	1.00 H	89	6.20	23.50
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	64.90	32.4 QP	40.0	-7.6	1.50 V	2	19.40	13.00
2	97.95	26.5 QP	43.5	-17.0	1.50 V	231	17.10	9.40
3	144.61	28.8 QP	43.5	-14.7	1.00 V	139	14.70	14.10
4	278.77	32.1 QP	46.0	-13.9	1.25 V	180	17.30	14.80
5	325.43	31.0 QP	46.0	-15.0	1.00 V	93	14.60	16.40
6	774.56	33.1 QP	46.0	-12.9	1.00 V	49	6.70	26.40

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.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	53.23	26.5 QP	40.0	-13.5	1.25 H	95	12.50	14.00
2	144.61	28.2 QP	43.5	-15.3	1.50 H	92	14.10	14.10
3	249.60	34.3 QP	46.0	-11.7	1.00 H	85	20.70	13.60
4	500.42	29.6 QP	46.0	-16.4	1.75 H	185	8.50	21.10
5	574.30	29.2 QP	46.0	-16.8	1.00 H	190	6.30	22.90
6	840.67	34.1 QP	46.0	-11.9	1.00 H	60	6.50	27.60
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	64.90	32.4 QP	40.0	-7.6	1.25 V	217	19.40	13.00
2	125.17	29.8 QP	43.5	-13.7	1.00 V	143	17.20	12.60
3	249.60	36.0 QP	46.0	-10.0	1.00 V	16	22.40	13.60
4	360.43	34.1 QP	46.0	-11.9	1.00 V	173	16.80	17.30
5	440.14	35.0 QP	46.0	-11.0	1.75 V	159	15.50	19.50
6	574.30	35.1 QP	46.0	-10.9	2.00 V	140	12.20	22.90

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 40	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	136.84	27.4 QP	43.5	-16.1	1.00 H	252	13.80	13.60
2	249.60	34.3 QP	46.0	-11.7	1.00 H	236	20.70	13.60
3	374.04	34.6 QP	46.0	-11.4	1.00 H	240	16.90	17.70
4	500.42	29.7 QP	46.0	-16.3	1.00 H	349	8.60	21.10
5	574.30	29.4 QP	46.0	-16.6	1.00 H	200	6.50	22.90
6	640.41	32.2 QP	46.0	-13.8	1.00 H	286	8.40	23.80
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	64.90	32.3 QP	40.0	-7.7	1.25 V	54	19.30	13.00
2	374.04	34.3 QP	46.0	-11.7	1.50 V	123	16.60	17.70
3	440.14	34.7 QP	46.0	-11.3	1.00 V	98	15.20	19.50
4	525.69	35.3 QP	46.0	-10.7	1.50 V	195	13.60	21.70
5	640.41	35.0 QP	46.0	-11.0	1.00 V	71	11.20	23.80
6	725.96	32.0 QP	46.0	-14.0	1.00 V	78	6.90	25.10

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	138.78	27.1 QP	43.5	-16.4	1.00 H	83	13.30	13.80
2	274.88	33.2 QP	46.0	-12.8	1.00 H	95	18.50	14.70
3	399.31	35.2 QP	46.0	-10.8	1.00 H	102	16.80	18.40
4	525.69	31.8 QP	46.0	-14.2	1.00 H	186	10.10	21.70
5	640.41	33.2 QP	46.0	-12.8	1.00 H	80	9.40	23.80
6	725.96	34.7 QP	46.0	-11.3	1.00 H	189	9.60	25.10
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	64.90	32.4 QP	40.0	-7.6	1.25 V	221	19.40	13.00
2	224.33	32.0 QP	46.0	-14.0	1.00 V	173	19.50	12.50
3	325.43	31.1 QP	46.0	-14.9	1.00 V	200	14.70	16.40
4	449.87	35.5 QP	46.0	-10.5	1.75 V	341	15.70	19.80
5	574.30	34.7 QP	46.0	-11.3	1.00 V	16	11.80	22.90
6	751.23	34.6 QP	46.0	-11.4	1.50 V	170	8.80	25.80

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 52	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	136.84	27.3 QP	43.5	-16.2	1.25 H	260	13.70	13.60
2	300.16	34.3 QP	46.0	-11.7	1.50 H	210	18.60	15.70
3	374.04	33.7 QP	46.0	-12.3	1.00 H	248	16.00	17.70
4	440.14	32.1 QP	46.0	-13.9	1.00 H	218	12.60	19.50
5	500.42	30.3 QP	46.0	-15.7	1.00 H	357	9.20	21.10
6	675.40	31.9 QP	46.0	-14.1	1.25 H	202	7.70	24.20
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	64.90	32.5 QP	40.0	-7.5	1.00 V	23	19.50	13.00
2	224.33	33.2 QP	46.0	-12.8	1.00 V	11	20.70	12.50
3	325.43	35.8 QP	46.0	-10.2	1.00 V	79	19.40	16.40
4	475.14	32.8 QP	46.0	-13.2	1.00 V	165	12.40	20.40
5	599.58	33.8 QP	46.0	-12.2	1.00 V	93	10.30	23.50
6	675.40	32.1 QP	46.0	-13.9	1.00 V	122	7.90	24.20

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 60	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 64%RH 1009 hPa	TESTED BY	Frank Wang
TEST MODE	Adapter model: MT12-Y120100-A1		

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	249.60	33.6 QP	46.0	-12.4	1.50 H	265	20.00	13.60
2	374.04	33.0 QP	46.0	-13.0	1.00 H	244	15.40	17.60
3	500.42	35.6 QP	46.0	-10.4	1.50 H	217	14.60	21.00
4	560.69	34.0 QP	46.0	-12.0	1.50 H	76	11.70	22.30
5	751.23	34.0 QP	46.0	-12.0	1.00 H	220	8.60	25.40
6	875.67	35.1 QP	46.0	-10.9	1.50 H	79	7.30	27.80
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	64.90	32.7 QP	40.0	-7.3	1.00 V	124	19.50	13.20
2	115.45	31.6 QP	43.5	-11.9	1.00 V	154	20.00	11.60
3	500.42	35.6 QP	46.0	-10.4	1.25 V	100	14.60	21.00
4	640.41	35.3 QP	46.0	-10.7	1.50 V	175	11.70	23.60
5	751.23	36.1 QP	46.0	-9.9	1.25 V	142	10.70	25.40
6	875.67	36.7 QP	46.0	-9.3	1.25 V	181	8.90	27.80

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 64	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	144.61	27.6 QP	43.5	-15.9	1.50 H	261	13.50	14.10
2	224.33	31.5 QP	46.0	-14.5	1.00 H	258	19.00	12.50
3	278.77	34.9 QP	46.0	-11.1	1.00 H	242	20.10	14.80
4	440.14	31.5 QP	46.0	-14.5	1.00 H	16	12.00	19.50
5	675.40	31.2 QP	46.0	-14.8	1.25 H	343	7.00	24.20
6	825.11	31.2 QP	46.0	-14.8	1.50 H	325	3.80	27.40
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	64.90	32.4 QP	40.0	-7.6	1.25 V	5	19.40	13.00
2	224.33	35.0 QP	46.0	-11.0	1.00 V	93	22.50	12.50
3	348.76	35.0 QP	46.0	-11.0	1.50 V	112	18.00	17.00
4	440.14	35.0 QP	46.0	-11.0	1.00 V	102	15.50	19.50
5	700.68	27.5 QP	46.0	-18.5	1.50 V	121	3.10	24.40
6	776.51	34.6 QP	46.0	-11.4	1.00 V	90	8.10	26.50

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 100	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	53.23	26.6 QP	40.0	-13.4	1.00 H	92	12.60	14.00
2	249.60	33.0 QP	46.0	-13.0	1.00 H	74	19.40	13.60
3	300.16	33.3 QP	46.0	-12.7	1.00 H	74	17.60	15.70
4	440.14	35.3 QP	46.0	-10.7	1.00 H	69	15.80	19.50
5	624.85	33.5 QP	46.0	-12.5	1.00 H	88	9.80	23.70
6	799.84	35.3 QP	46.0	-10.7	1.00 H	87	8.20	27.10
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	64.90	32.3 QP	40.0	-7.7	1.50 V	123	19.30	13.00
2	144.61	28.3 QP	43.5	-15.2	1.00 V	10	14.20	14.10
3	249.60	35.0 QP	46.0	-11.0	1.25 V	54	21.40	13.60
4	325.43	28.4 QP	46.0	-17.6	1.00 V	279	12.00	16.40
5	550.97	34.6 QP	46.0	-11.4	1.00 V	116	12.20	22.40
6	776.51	32.7 QP	46.0	-13.3	1.50 V	16	6.20	26.50

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 116	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 64%RH 1009 hPa	TESTED BY	Frank Wang
TEST MODE	Adapter model: MT12-Y120100-A1		

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	249.60	33.9 QP	46.0	-12.1	1.00 H	271	20.30	13.60
2	374.04	33.7 QP	46.0	-12.3	1.00 H	322	16.10	17.60
3	500.42	35.6 QP	46.0	-10.4	1.50 H	238	14.60	21.00
4	560.69	34.2 QP	46.0	-11.8	1.25 H	52	11.90	22.30
5	624.85	33.2 QP	46.0	-12.8	1.25 H	196	9.80	23.40
6	875.67	35.3 QP	46.0	-10.7	1.50 H	79	7.50	27.80
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	64.90	32.5 QP	40.0	-7.5	1.25 V	169	19.30	13.20
2	300.16	32.2 QP	46.0	-13.8	1.25 V	331	16.60	15.60
3	500.42	35.9 QP	46.0	-10.1	1.00 V	232	14.90	21.00
4	640.41	35.2 QP	46.0	-10.8	1.50 V	175	11.60	23.60
5	751.23	35.7 QP	46.0	-10.3	1.25 V	142	10.30	25.40
6	875.67	36.8 QP	46.0	-9.2	1.25 V	229	9.00	27.80

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 140	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	53.23	23.8 QP	40.0	-16.2	1.00 H	16	9.80	14.00
2	144.61	27.3 QP	43.5	-16.2	1.50 H	269	13.20	14.10
3	325.43	31.1 QP	46.0	-14.9	1.25 H	319	14.70	16.40
4	440.14	31.5 QP	46.0	-14.5	1.75 H	16	12.00	19.50
5	624.85	30.9 QP	46.0	-15.1	1.25 H	315	7.20	23.70
6	725.96	30.9 QP	46.0	-15.1	1.00 H	334	5.80	25.10
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	64.90	32.2 QP	40.0	-7.8	1.25 V	4	19.20	13.00
2	249.60	34.4 QP	46.0	-11.6	1.50 V	12	20.80	13.60
3	399.31	29.8 QP	46.0	-16.2	1.25 V	22	11.40	18.40
4	500.42	34.4 QP	46.0	-11.6	1.00 V	4	13.30	21.10
5	574.30	35.0 QP	46.0	-11.0	1.75 V	26	12.10	22.90
6	751.23	35.1 QP	46.0	-10.9	1.50 V	26	9.30	25.80

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.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 38	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	136.84	27.9 QP	43.5	-15.6	1.25 H	71	14.30	13.60
2	249.60	34.6 QP	46.0	-11.4	1.00 H	108	21.00	13.60
3	449.87	32.9 QP	46.0	-13.1	1.00 H	221	13.10	19.80
4	525.69	31.8 QP	46.0	-14.2	1.50 H	193	10.10	21.70
5	624.85	33.1 QP	46.0	-12.9	1.00 H	97	9.40	23.70
6	725.96	35.5 QP	46.0	-10.5	1.75 H	198	10.40	25.10
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	64.90	32.2 QP	40.0	-7.8	1.50 V	211	19.20	13.00
2	224.33	32.9 QP	46.0	-13.1	1.00 V	358	20.40	12.50
3	360.43	31.1 QP	46.0	-14.9	1.25 V	205	13.80	17.30
4	574.30	35.2 QP	46.0	-10.8	1.50 V	12	12.30	22.90
5	640.41	32.3 QP	46.0	-13.7	1.00 V	307	8.50	23.80
6	751.23	35.4 QP	46.0	-10.6	1.25 V	289	9.60	25.80

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 46	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	136.84	28.2 QP	43.5	-15.3	1.25 H	256	14.60	13.60
2	249.60	33.2 QP	46.0	-12.8	1.50 H	253	19.60	13.60
3	500.42	30.4 QP	46.0	-15.6	1.00 H	186	9.30	21.10
4	525.69	31.8 QP	46.0	-14.2	1.00 H	218	10.10	21.70
5	640.41	32.7 QP	46.0	-13.3	1.25 H	315	8.90	23.80
6	725.96	35.5 QP	46.0	-10.5	1.00 H	199	10.40	25.10
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	64.90	32.3 QP	40.0	-7.7	1.00 V	11	19.30	13.00
2	224.33	34.8 QP	46.0	-11.2	1.50 V	180	22.30	12.50
3	348.76	34.4 QP	46.0	-11.6	1.00 V	47	17.40	17.00
4	440.14	34.7 QP	46.0	-11.3	1.25 V	196	15.20	19.50
5	640.41	34.4 QP	46.0	-11.6	1.00 V	75	10.60	23.80
6	776.51	32.8 QP	46.0	-13.2	1.25 V	82	6.30	26.50

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 54	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	138.78	27.9 QP	43.5	-15.6	1.25 H	254	14.10	13.80
2	300.16	33.7 QP	46.0	-12.3	1.00 H	231	18.00	15.70
3	374.04	32.7 QP	46.0	-13.3	1.50 H	123	15.00	17.70
4	449.87	33.0 QP	46.0	-13.0	1.00 H	234	13.20	19.80
5	525.69	32.6 QP	46.0	-13.4	1.25 H	63	10.90	21.70
6	725.96	35.2 QP	46.0	-10.8	1.00 H	75	10.10	25.10
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	64.90	32.6 QP	40.0	-7.4	1.00 V	60	19.60	13.00
2	224.33	33.6 QP	46.0	-12.4	1.25 V	164	21.10	12.50
3	249.60	35.5 QP	46.0	-10.5	1.00 V	51	21.90	13.60
4	399.31	34.5 QP	46.0	-11.5	1.00 V	42	16.10	18.40
5	525.69	34.9 QP	46.0	-11.1	1.50 V	272	13.20	21.70
6	640.41	34.5 QP	46.0	-11.5	1.25 V	173	10.70	23.80

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 62	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	136.84	28.1 QP	43.5	-15.4	1.25 H	109	14.50	13.60
2	274.88	34.5 QP	46.0	-11.5	1.00 H	97	19.80	14.70
3	440.14	35.3 QP	46.0	-10.7	1.50 H	161	15.80	19.50
4	500.42	29.6 QP	46.0	-16.4	1.25 H	153	8.50	21.10
5	624.85	33.6 QP	46.0	-12.4	1.00 H	177	9.90	23.70
6	760.95	34.1 QP	46.0	-11.9	1.00 H	103	8.00	26.10
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	64.90	32.3 QP	40.0	-7.7	1.50 V	343	19.30	13.00
2	249.60	35.5 QP	46.0	-10.5	1.25 V	193	21.90	13.60
3	399.31	30.7 QP	46.0	-15.3	1.50 V	193	12.30	18.40
4	449.87	34.2 QP	46.0	-11.8	1.00 V	337	14.40	19.80
5	525.69	35.3 QP	46.0	-10.7	1.00 V	310	13.60	21.70
6	751.23	34.7 QP	46.0	-11.3	1.25 V	293	8.90	25.80

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 102	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	136.84	29.4 QP	43.5	-14.1	1.25 H	253	15.80	13.60
2	224.33	31.0 QP	46.0	-15.0	1.00 H	120	18.50	12.50
3	374.04	32.6 QP	46.0	-13.4	1.25 H	32	14.90	17.70
4	399.31	33.5 QP	46.0	-12.5	1.25 H	173	15.10	18.40
5	640.41	33.1 QP	46.0	-12.9	1.50 H	79	9.30	23.80
6	751.23	34.2 QP	46.0	-11.8	1.00 H	97	8.40	25.80
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	64.90	32.5 QP	40.0	-7.5	1.25 V	67	19.50	13.00
2	179.61	26.3 QP	43.5	-17.2	1.00 V	164	13.20	13.10
3	325.43	33.6 QP	46.0	-12.4	1.00 V	240	17.20	16.40
4	449.87	35.4 QP	46.0	-10.6	1.25 V	159	15.60	19.80
5	624.85	34.5 QP	46.0	-11.5	1.50 V	169	10.80	23.70
6	776.51	33.7 QP	46.0	-12.3	1.00 V	53	7.20	26.50

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 110	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	53.23	26.8 QP	40.0	-13.2	1.25 H	74	12.80	14.00
2	144.61	28.4 QP	43.5	-15.1	1.00 H	92	14.30	14.10
3	274.88	34.7 QP	46.0	-11.3	1.50 H	74	20.00	14.70
4	424.59	32.2 QP	46.0	-13.8	1.50 H	111	13.10	19.10
5	624.85	33.2 QP	46.0	-12.8	1.00 H	91	9.50	23.70
6	720.12	30.0 QP	46.0	-16.0	1.75 H	102	5.10	24.90
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	64.90	32.4 QP	40.0	-7.6	1.00 V	50	19.40	13.00
2	224.33	32.4 QP	46.0	-13.6	1.25 V	341	19.90	12.50
3	348.76	31.2 QP	46.0	-14.8	1.75 V	213	14.20	17.00
4	550.97	35.2 QP	46.0	-10.8	1.00 V	314	12.80	22.40
5	624.85	32.7 QP	46.0	-13.3	1.50 V	252	9.00	23.70
6	751.23	34.1 QP	46.0	-11.9	1.25 V	222	8.30	25.80

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 134	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH 1009 hPa	TESTED BY	Anderson Hong
TEST MODE	Adapter model: MT12-Y120100-A1		

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	53.23	24.4 QP	40.0	-15.6	1.25 H	16	10.40	14.00
2	144.61	27.9 QP	43.5	-15.6	1.00 H	258	13.80	14.10
3	249.60	33.8 QP	46.0	-12.2	1.50 H	71	20.20	13.60
4	325.43	33.2 QP	46.0	-12.8	1.00 H	241	16.80	16.40
5	399.31	34.6 QP	46.0	-11.4	1.50 H	46	16.20	18.40
6	675.40	31.8 QP	46.0	-14.2	1.25 H	144	7.60	24.20
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	64.90	32.5 QP	40.0	-7.5	1.00 V	18	19.50	13.00
2	278.77	32.3 QP	46.0	-13.7	1.25 V	190	17.50	14.80
3	348.76	34.6 QP	46.0	-11.4	1.50 V	109	17.60	17.00
4	449.87	35.5 QP	46.0	-10.5	1.00 V	59	15.70	19.80
5	574.30	34.2 QP	46.0	-11.8	1.00 V	232	11.30	22.90
6	675.40	32.4 QP	46.0	-13.6	1.75 V	133	8.20	24.20

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.

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	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

Test date: Jun. 08, 2011

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100291	Nov. 23, 2011	Nov. 22, 2012
RF signal cable Woken	5D-FB	Cable-HYC01-01	Dec. 22, 2011	Dec. 21, 2012
LISN ROHDE & SCHWARZ	ESH3-Z5	100312	Jul. 07, 2011	Jul. 06, 2012
LISN ROHDE & SCHWARZ	ESH3-Z5	835239/001	Feb. 22, 2011	Feb. 21, 2012
Software ADT	ADT_Cond_ V7.3.7	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 1.

3. The VCCI Site Registration No. is C-2040.

Test date: Apr. 08, 2012

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100291	Nov. 23, 2011	Nov. 22, 2012
RF signal cable Woken	5D-FB	Cable-HYC01-01	Dec. 22, 2011	Dec. 21, 2012
LISN ROHDE & SCHWARZ	ESH3-Z5	100312	Jul. 07, 2011	Jul. 06, 2012
LISN ROHDE & SCHWARZ	ESH3-Z5	835239/001	Feb. 07, 2012	Feb. 06, 2013
Software ADT	ADT_Cond_ V7.3.7	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 1.

3. The VCCI Site Registration No. is C-2040.

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.

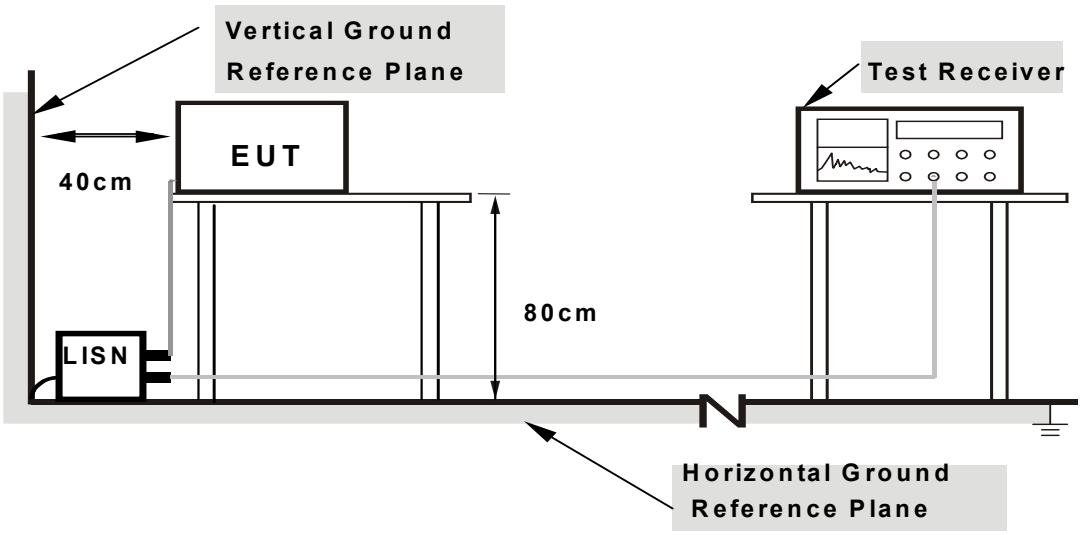
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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 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.

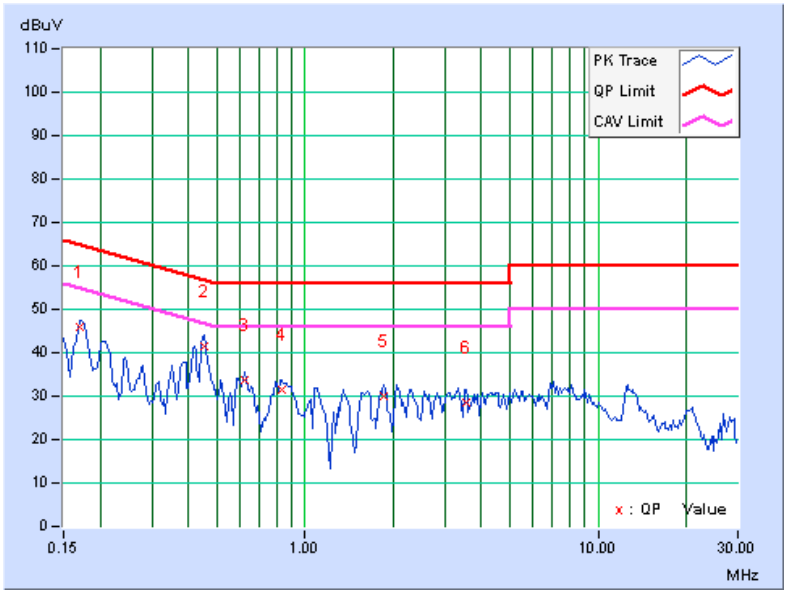
4.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA：802.11a

CHANNEL	Channel 36	PHASE	Line 1
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.12	45.63	-	45.75	-	64.98	54.98	-19.23	-
2	0.45078	0.14	41.47	-	41.61	-	56.86	46.86	-15.26	-
3	0.62266	0.15	33.65	-	33.80	-	56.00	46.00	-22.20	-
4	0.83750	0.17	31.31	-	31.48	-	56.00	46.00	-24.52	-
5	1.86719	0.22	29.90	-	30.12	-	56.00	46.00	-25.88	-
6	3.53906	0.31	28.29	-	28.60	-	56.00	46.00	-27.40	-

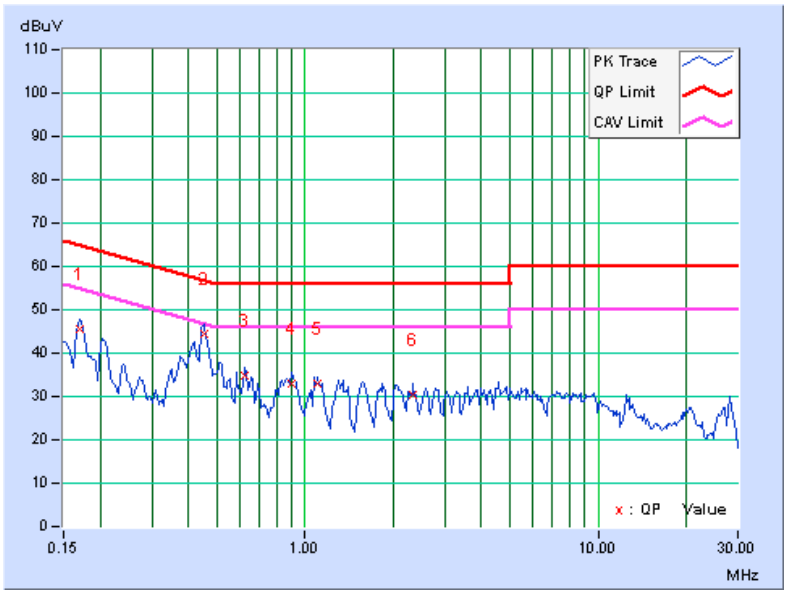
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 36	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.13	45.60	-	45.73	-	64.98	54.98	-19.25	-
2	**0.45078**	**0.16**	**44.11**	**-**	**44.27**	**-**	**56.86**	**46.86**	**-12.60**	**-**
3	0.62266	0.17	34.66	-	34.83	-	56.00	46.00	-21.17	-
4	0.89609	0.20	32.59	-	32.79	-	56.00	46.00	-23.21	-
5	1.10156	0.21	32.62	-	32.83	-	56.00	46.00	-23.17	-
6	2.33594	0.25	30.01	-	30.26	-	56.00	46.00	-25.74	-

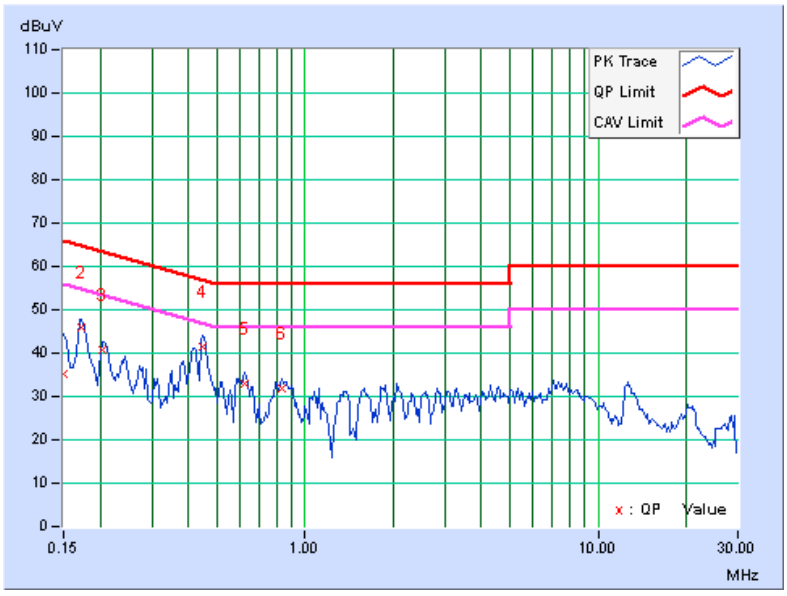
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 40	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	35.13	-	35.24	-	66.00	56.00	-30.76	-
2	0.17344	0.12	45.99	-	46.11	-	64.79	54.79	-18.68	-
3	0.20469	0.13	40.63	-	40.76	-	63.42	53.42	-22.66	-
4	0.44688	0.13	41.37	-	41.50	-	56.93	46.93	-15.43	-
5	0.61875	0.15	32.93	-	33.08	-	56.00	46.00	-22.92	-
6	0.82969	0.17	31.58	-	31.75	-	56.00	46.00	-24.25	-

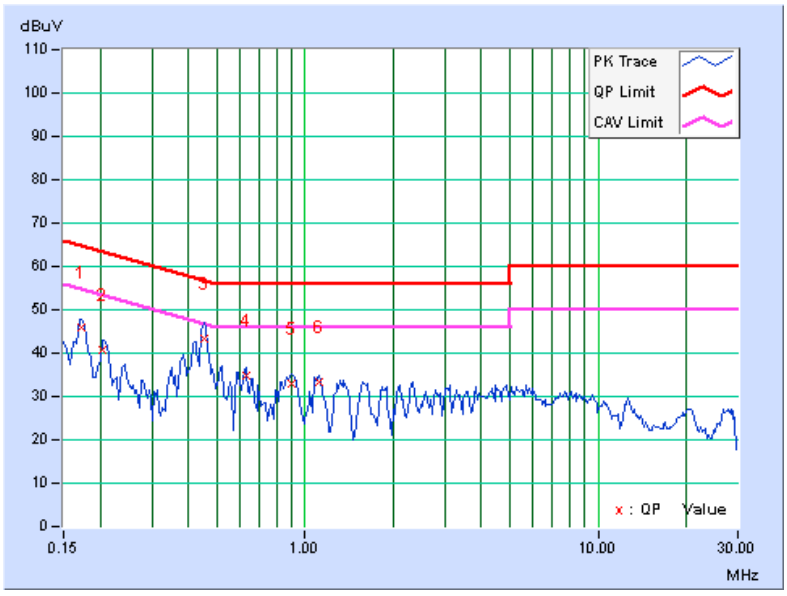
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 40	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.13	45.77	-	45.90	-	64.79	54.79	-18.89	-
2	0.20469	0.14	40.59	-	40.73	-	63.42	53.42	-22.69	-
3	0.45078	0.16	43.11	-	43.27	-	56.86	46.86	-13.60	-
4	0.62656	0.17	34.56	-	34.73	-	56.00	46.00	-21.27	-
5	0.89609	0.20	32.65	-	32.85	-	56.00	46.00	-23.15	-
6	1.11328	0.21	33.29	-	33.50	-	56.00	46.00	-22.50	-

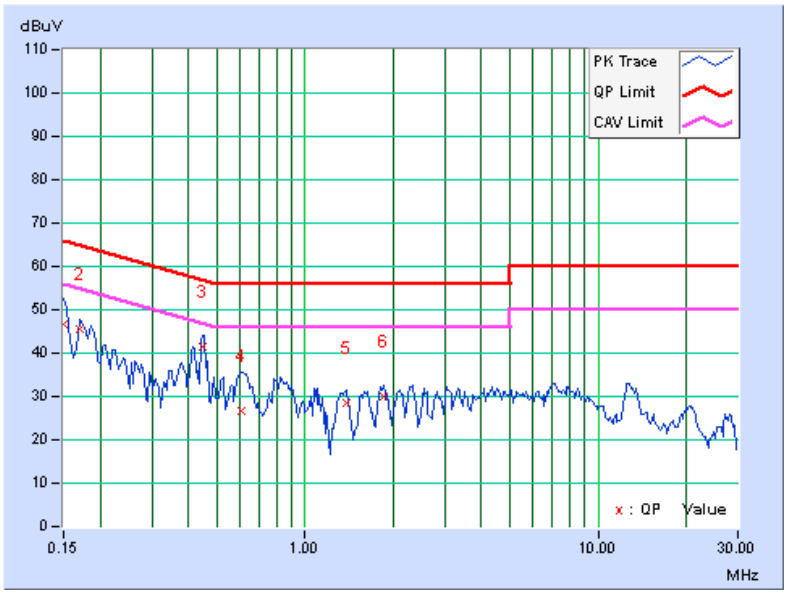
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 48	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	46.43	-	46.54	-	66.00	56.00	-19.46	-
2	0.16953	0.12	45.30	-	45.42	-	64.98	54.98	-19.56	-
3	0.44688	0.13	41.35	-	41.48	-	56.93	46.93	-15.45	-
4	0.60313	0.15	26.59	-	26.74	-	56.00	46.00	-29.26	-
5	1.37891	0.20	28.20	-	28.40	-	56.00	46.00	-27.60	-
6	1.85156	0.22	29.84	-	30.06	-	56.00	46.00	-25.94	-

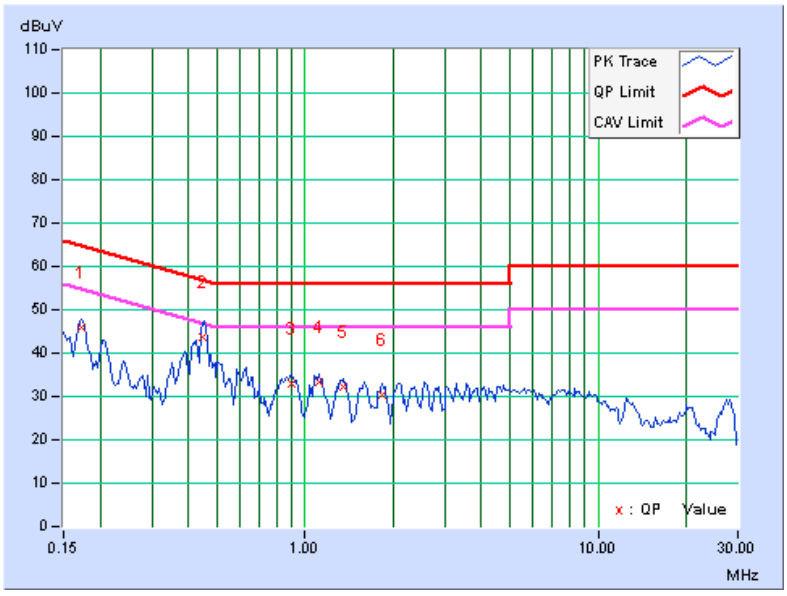
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 48	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.13	45.77	-	45.90	-	64.79	54.79	-18.89	-
2	0.44688	0.15	43.41	-	43.56	-	56.93	46.93	-13.37	-
3	0.89609	0.20	32.73	-	32.93	-	56.00	46.00	-23.07	-
4	1.11328	0.21	33.29	-	33.50	-	56.00	46.00	-22.50	-
5	1.35547	0.22	32.00	-	32.22	-	56.00	46.00	-23.78	-
6	1.84375	0.23	30.27	-	30.50	-	56.00	46.00	-25.50	-

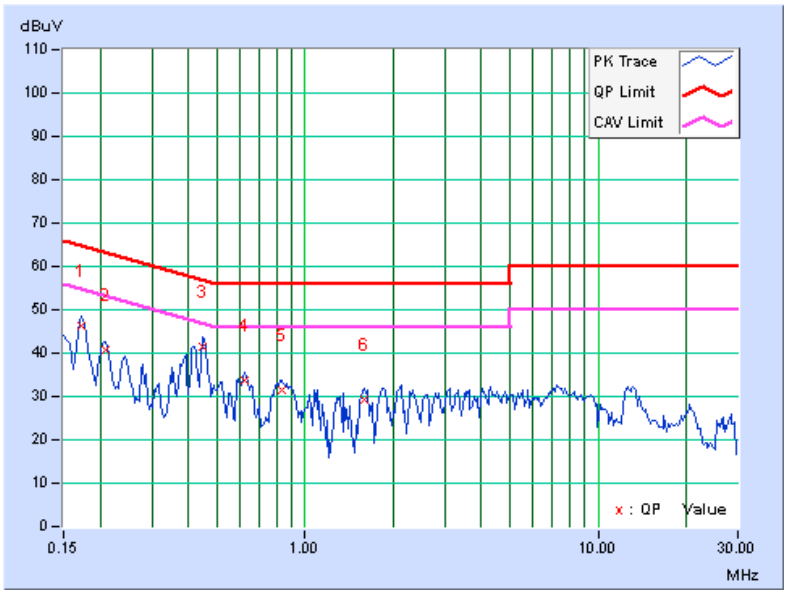
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 52	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.12	46.05	-	46.17	-	64.79	54.79	-18.62	-
2	0.20859	0.13	40.49	-	40.62	-	63.26	53.26	-22.64	-
3	0.44688	0.13	41.33	-	41.46	-	56.93	46.93	-15.47	-
4	0.62266	0.15	33.65	-	33.80	-	56.00	46.00	-22.20	-
5	0.83750	0.17	31.41	-	31.58	-	56.00	46.00	-24.42	-
6	1.58594	0.21	29.12	-	29.33	-	56.00	46.00	-26.67	-

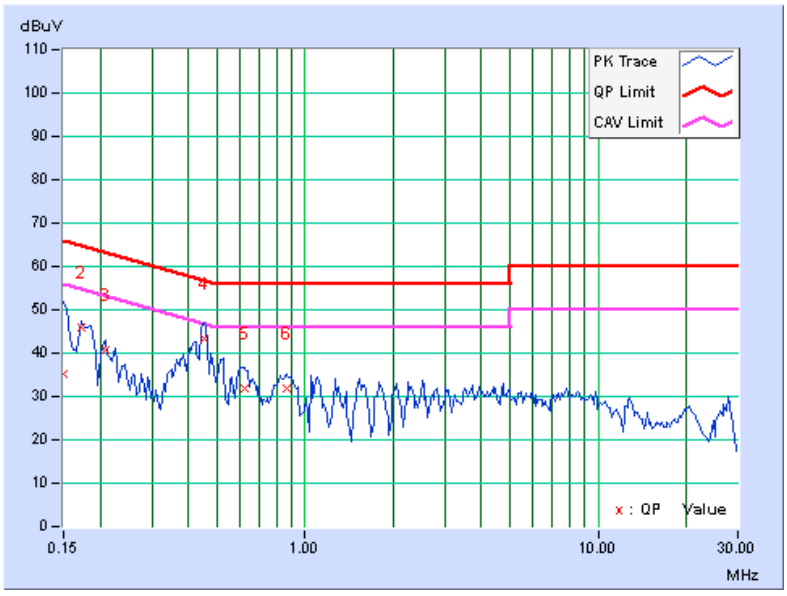
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 52	PHASE	Line 2
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	35.05	-	35.17	-	66.00	56.00	-30.83	-
2	0.17344	0.13	45.79	-	45.92	-	64.79	54.79	-18.87	-
3	0.20859	0.14	40.61	-	40.75	-	63.26	53.26	-22.51	-
4	0.45078	0.16	43.15	-	43.31	-	56.86	46.86	-13.56	-
5	0.62266	0.17	31.80	-	31.97	-	56.00	46.00	-24.03	-
6	0.86094	0.20	31.77	-	31.97	-	56.00	46.00	-24.03	-

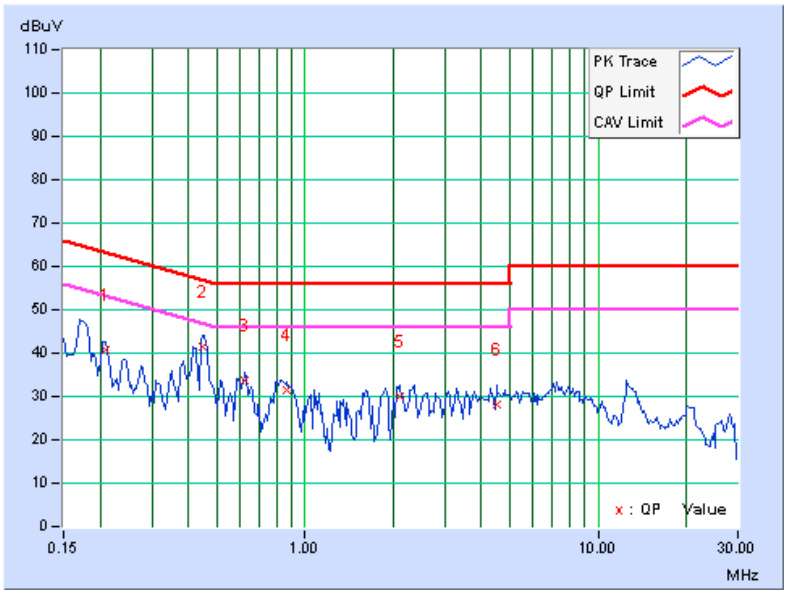
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 60	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.20859	0.13	40.49	-	40.62	-	63.26	53.26	-22.64	-
2	0.44688	0.13	41.29	-	41.42	-	56.93	46.93	-15.51	-
3	0.62266	0.15	33.67	-	33.82	-	56.00	46.00	-22.18	-
4	0.86484	0.18	31.12	-	31.30	-	56.00	46.00	-24.70	-
5	2.09766	0.23	29.63	-	29.86	-	56.00	46.00	-26.14	-
6	4.51172	0.37	27.96	-	28.33	-	56.00	46.00	-27.67	-

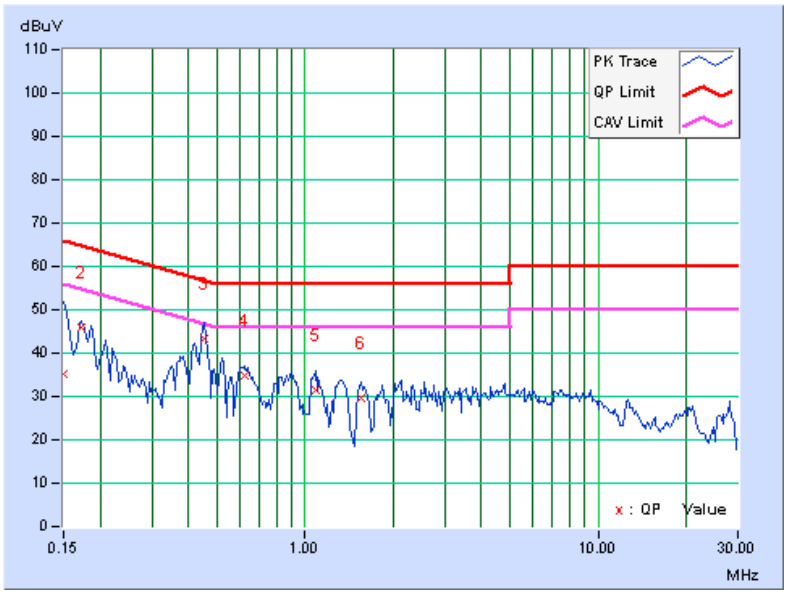
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 60	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	35.25	-	35.37	-	66.00	56.00	-30.63	-
2	0.17344	0.13	45.79	-	45.92	-	64.79	54.79	-18.87	-
3	0.45078	0.16	43.13	-	43.29	-	56.86	46.86	-13.58	-
4	0.62266	0.17	34.68	-	34.85	-	56.00	46.00	-21.15	-
5	1.08984	0.21	31.20	-	31.41	-	56.00	46.00	-24.59	-
6	1.55078	0.22	29.51	-	29.73	-	56.00	46.00	-26.27	-

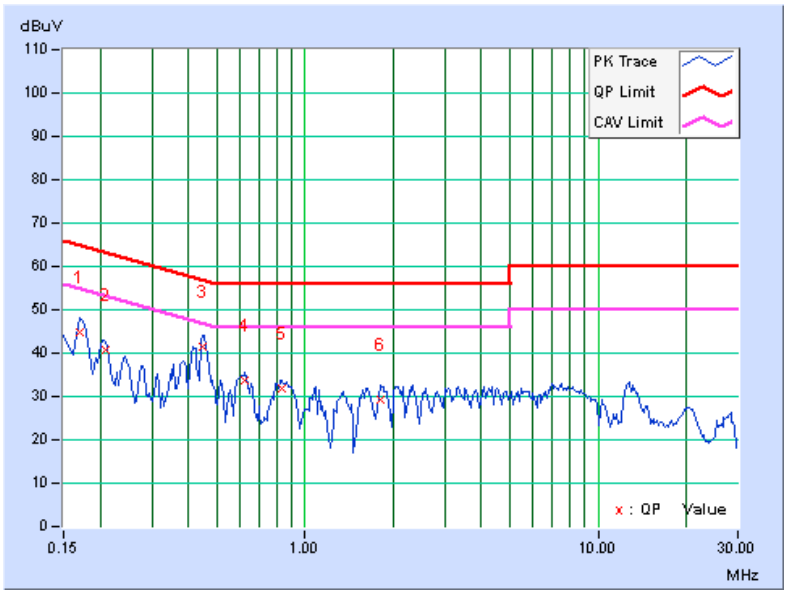
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 64	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.12	44.54	-	44.66	-	64.98	54.98	-20.32	-
2	0.20859	0.13	40.49	-	40.62	-	63.26	53.26	-22.64	-
3	0.44688	0.13	41.31	-	41.44	-	56.93	46.93	-15.49	-
4	0.62266	0.15	33.64	-	33.79	-	56.00	46.00	-22.21	-
5	0.82969	0.17	31.64	-	31.81	-	56.00	46.00	-24.19	-
6	1.80078	0.21	29.10	-	29.31	-	56.00	46.00	-26.69	-

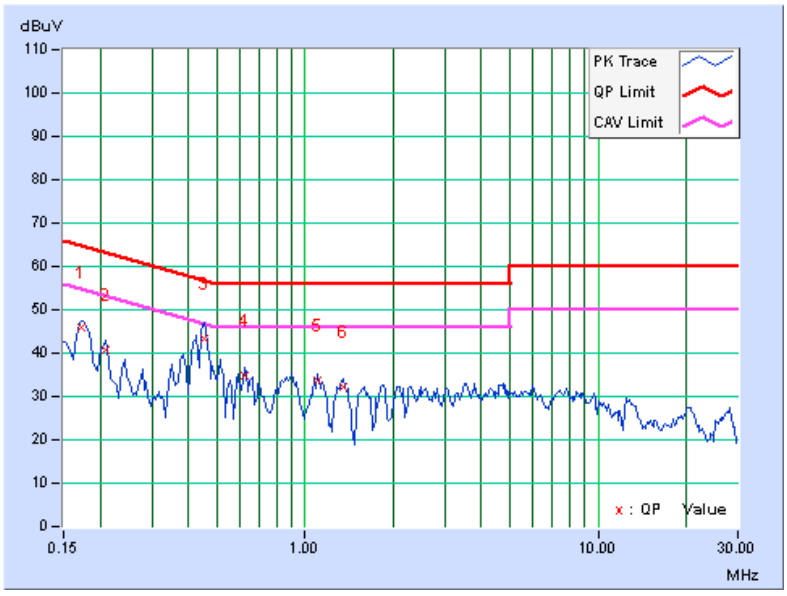
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 64	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.13	45.75	-	45.88	-	64.79	54.79	-18.91	-
2	0.20859	0.14	40.55	-	40.69	-	63.26	53.26	-22.57	-
3	0.45078	0.16	43.13	-	43.29	-	56.86	46.86	-13.58	-
4	0.62266	0.17	34.70	-	34.87	-	56.00	46.00	-21.13	-
5	1.10938	0.21	33.41	-	33.62	-	56.00	46.00	-22.38	-
6	1.35156	0.22	32.18	-	32.40	-	56.00	46.00	-23.60	-

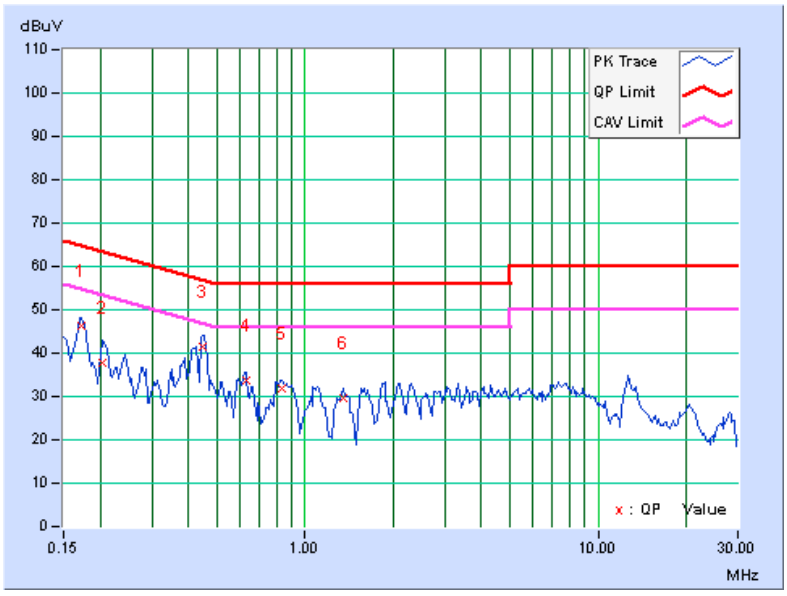
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 100	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.12	46.01	-	46.13	-	64.79	54.79	-18.66	-
2	0.20469	0.13	37.54	-	37.67	-	63.42	53.42	-25.75	-
3	0.44688	0.13	41.39	-	41.52	-	56.93	46.93	-15.41	-
4	0.62656	0.15	33.46	-	33.61	-	56.00	46.00	-22.39	-
5	0.82969	0.17	31.58	-	31.75	-	56.00	46.00	-24.25	-
6	1.34766	0.20	29.49	-	29.69	-	56.00	46.00	-26.31	-

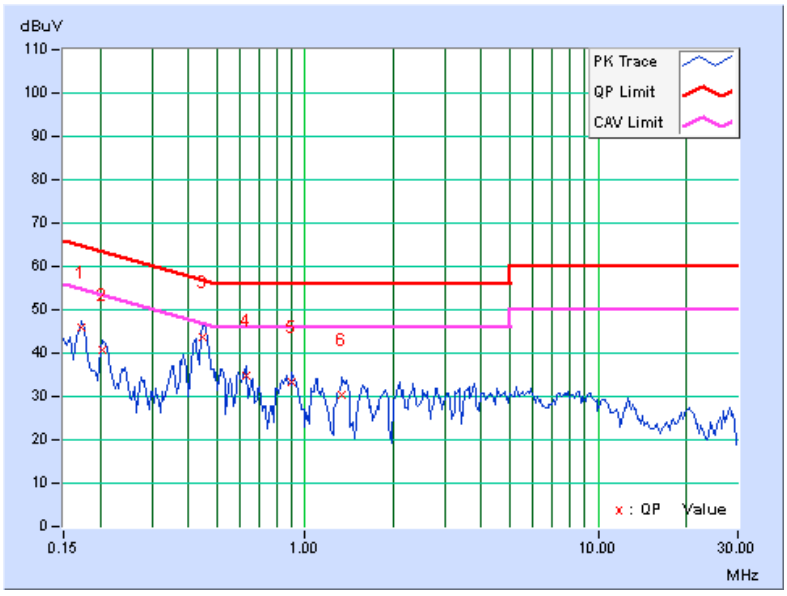
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 100	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.13	45.77	-	45.90	-	64.79	54.79	-18.89	-
2	0.20469	0.14	40.61	-	40.75	-	63.42	53.42	-22.67	-
3	0.44688	0.15	43.73	-	43.88	-	56.93	46.93	-13.05	-
4	0.62656	0.17	34.60	-	34.77	-	56.00	46.00	-21.23	-
5	0.90000	0.20	33.14	-	33.34	-	56.00	46.00	-22.66	-
6	1.33984	0.22	30.33	-	30.55	-	56.00	46.00	-25.45	-

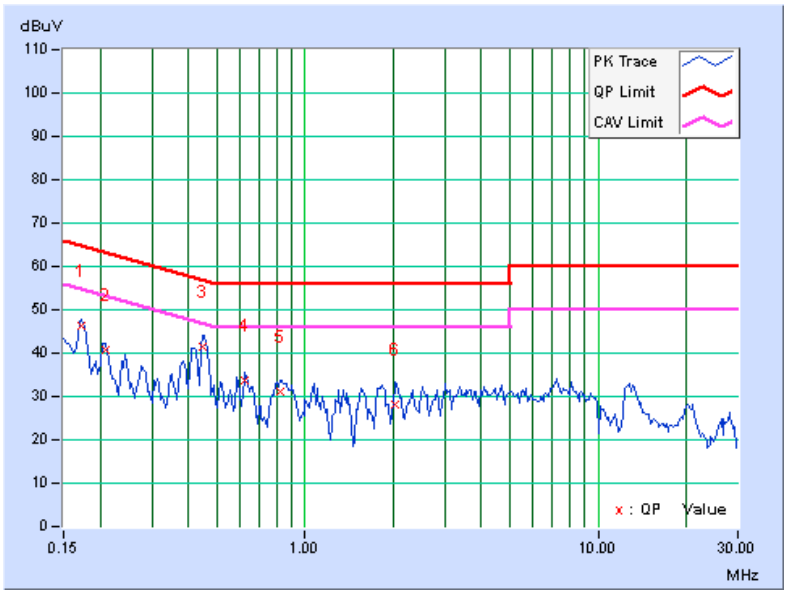
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 116	PHASE	Line 1
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.12	46.01	-	46.13	-	64.79	54.79	-18.66	-
2	0.20859	0.13	40.47	-	40.60	-	63.26	53.26	-22.66	-
3	0.44688	0.13	41.41	-	41.54	-	56.93	46.93	-15.39	-
4	0.62266	0.15	33.67	-	33.82	-	56.00	46.00	-22.18	-
5	0.82578	0.17	31.01	-	31.18	-	56.00	46.00	-24.82	-
6	2.03125	0.22	27.77	-	27.99	-	56.00	46.00	-28.01	-

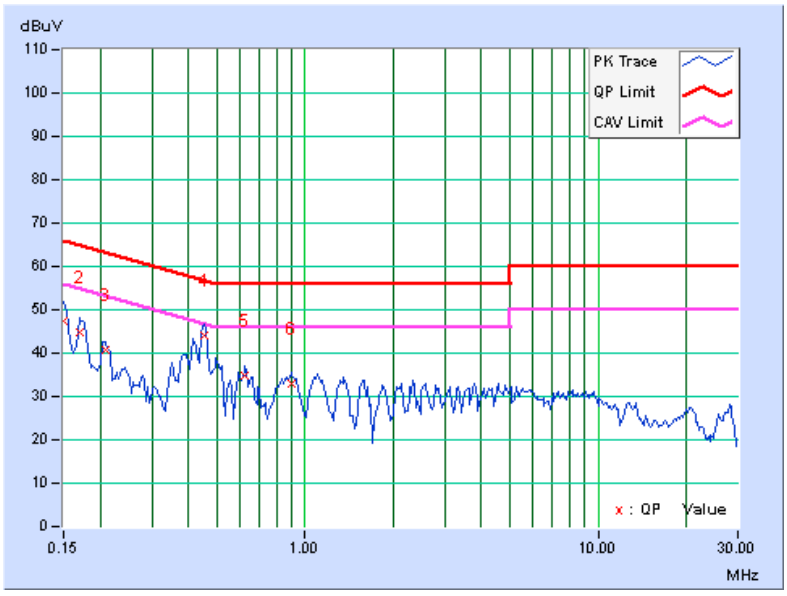
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 116	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	47.23	-	47.35	-	66.00	56.00	-18.65	-
2	0.16953	0.13	44.86	-	44.99	-	64.98	54.98	-19.99	-
3	0.20859	0.14	40.55	-	40.69	-	63.26	53.26	-22.57	-
4	0.45469	0.16	43.75	-	43.91	-	56.79	46.79	-12.88	-
5	0.62266	0.17	34.66	-	34.83	-	56.00	46.00	-21.17	-
6	0.89609	0.20	32.67	-	32.87	-	56.00	46.00	-23.13	-

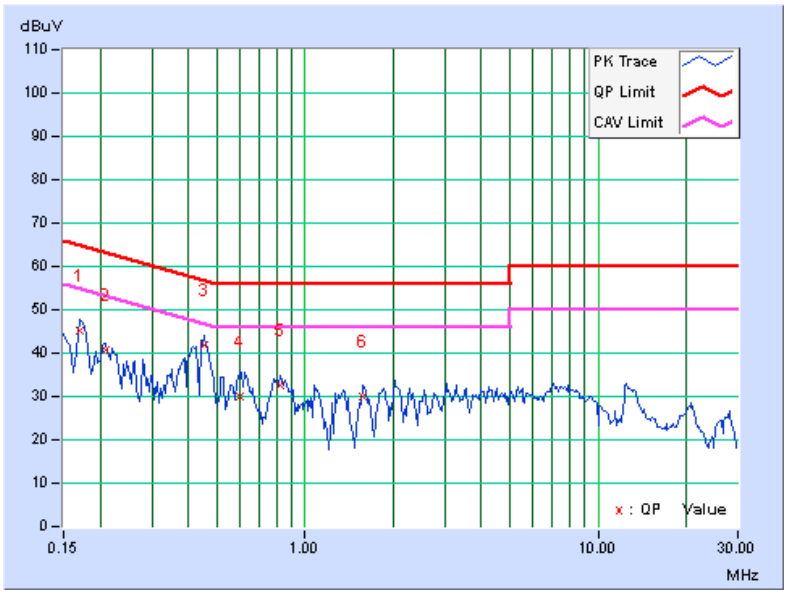
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 140	PHASE	Line 1
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.12	45.10	-	45.22	-	64.98	54.98	-19.76	-
2	0.20859	0.13	40.45	-	40.58	-	63.26	53.26	-22.68	-
3	0.45078	0.14	41.63	-	41.77	-	56.86	46.86	-15.10	-
4	0.59922	0.15	29.79	-	29.94	-	56.00	46.00	-26.06	-
5	0.82188	0.17	32.46	-	32.63	-	56.00	46.00	-23.37	-
6	1.56641	0.21	29.89	-	30.10	-	56.00	46.00	-25.90	-

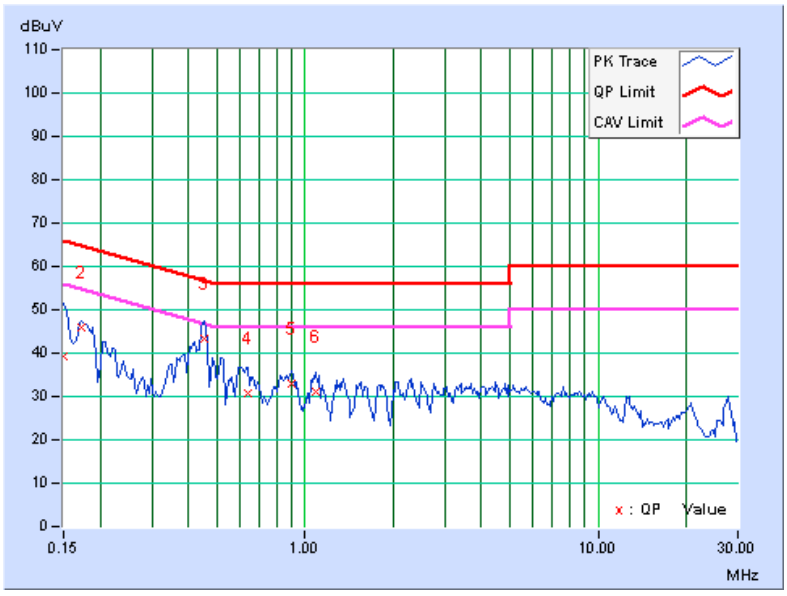
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 140	PHASE	Line 2
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	39.17	-	39.29	-	66.00	56.00	-26.71	-
2	0.17344	0.13	45.77	-	45.90	-	64.79	54.79	-18.89	-
3	0.45078	0.16	43.15	-	43.31	-	56.86	46.86	-13.56	-
4	0.63828	0.17	30.49	-	30.66	-	56.00	46.00	-25.34	-
5	0.90391	0.20	32.89	-	33.09	-	56.00	46.00	-22.91	-
6	1.08984	0.21	30.85	-	31.06	-	56.00	46.00	-24.94	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

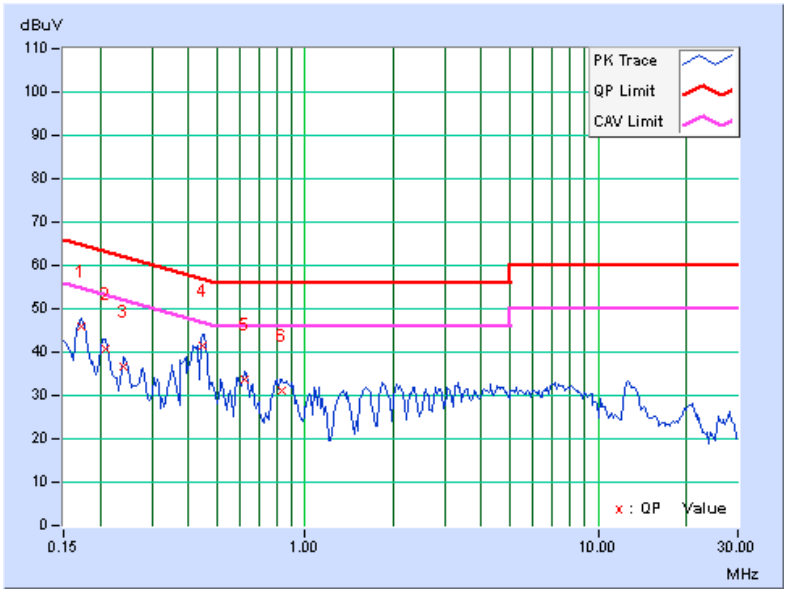


802.11n (20MHz)

CHANNEL	Channel 36	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.12	45.91	-	46.03	-	64.79	54.79	-18.76	-
2	0.20859	0.13	40.43	-	40.56	-	63.26	53.26	-22.70	-
3	0.23984	0.13	36.39	-	36.52	-	62.10	52.10	-25.58	-
4	0.44688	0.13	41.41	-	41.54	-	56.93	46.93	-15.39	-
5	0.62266	0.15	33.67	-	33.82	-	56.00	46.00	-22.18	-
6	0.83359	0.17	30.98	-	31.15	-	56.00	46.00	-24.85	-

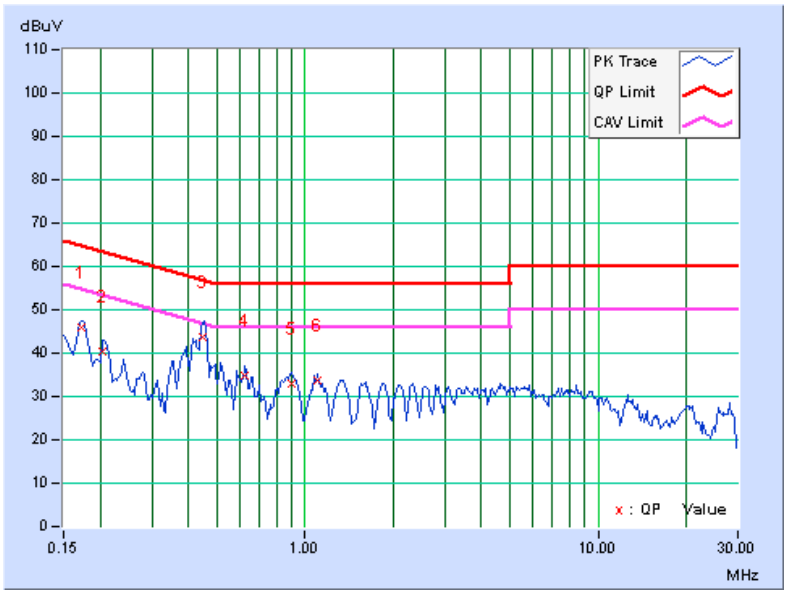
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 36	PHASE	Line 2
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.13	45.66	-	45.79	-	64.79	54.79	-19.00	-
2	0.20469	0.14	40.15	-	40.29	-	63.42	53.42	-23.13	-
3	0.44688	0.15	43.41	-	43.56	-	56.93	46.93	-13.37	-
4	0.62266	0.17	34.66	-	34.83	-	56.00	46.00	-21.17	-
5	0.89609	0.20	32.65	-	32.85	-	56.00	46.00	-23.15	-
6	1.10938	0.21	33.49	-	33.70	-	56.00	46.00	-22.30	-

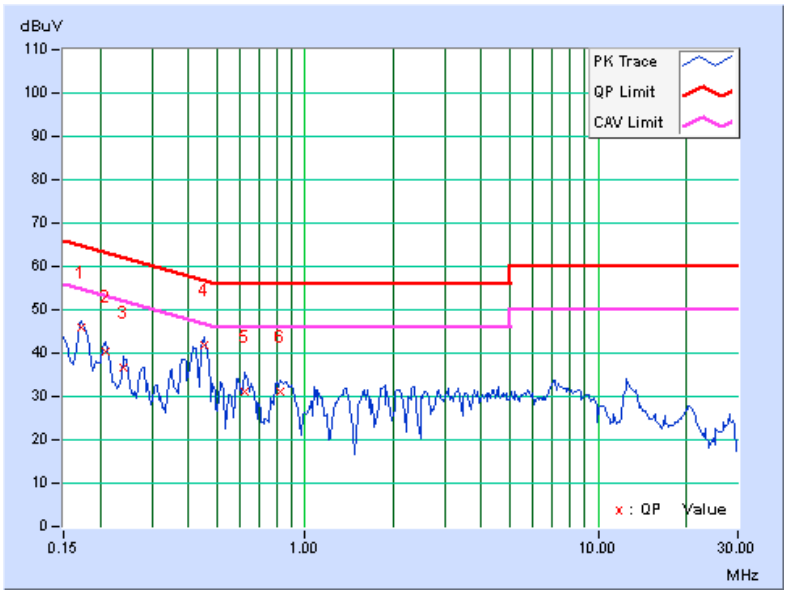
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 40	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.12	45.97	-	46.09	-	64.79	54.79	-18.70	-
2	0.20859	0.13	40.37	-	40.50	-	63.26	53.26	-22.76	-
3	0.23984	0.13	36.39	-	36.52	-	62.10	52.10	-25.58	-
4	0.45078	0.14	41.69	-	41.83	-	56.86	46.86	-15.04	-
5	0.62266	0.15	31.10	-	31.25	-	56.00	46.00	-24.75	-
6	0.82578	0.17	30.85	-	31.02	-	56.00	46.00	-24.98	-

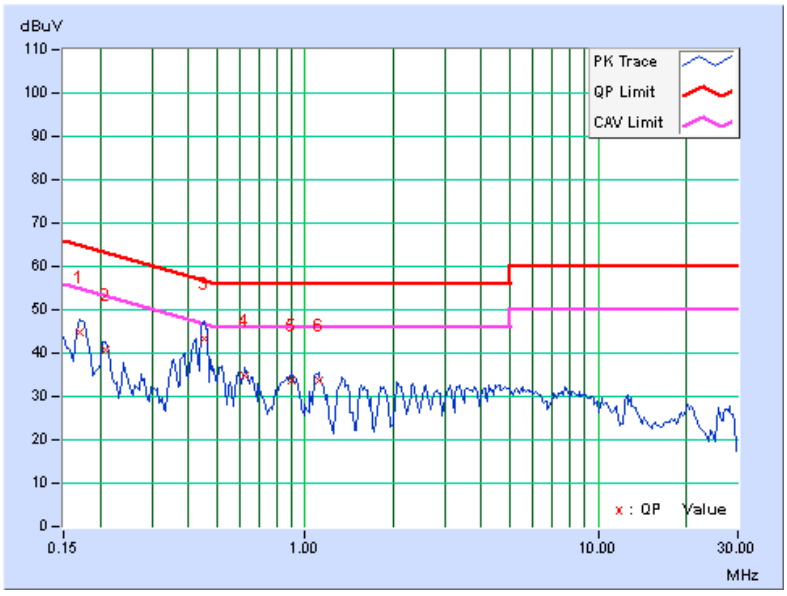
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 40	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.13	44.82	-	44.95	-	64.98	54.98	-20.03	-
2	0.20859	0.14	40.51	-	40.65	-	63.26	53.26	-22.61	-
3	0.45078	0.16	43.17	-	43.33	-	56.86	46.86	-13.54	-
4	0.62266	0.17	34.58	-	34.75	-	56.00	46.00	-21.25	-
5	0.90000	0.20	33.32	-	33.52	-	56.00	46.00	-22.48	-
6	1.11328	0.21	33.31	-	33.52	-	56.00	46.00	-22.48	-

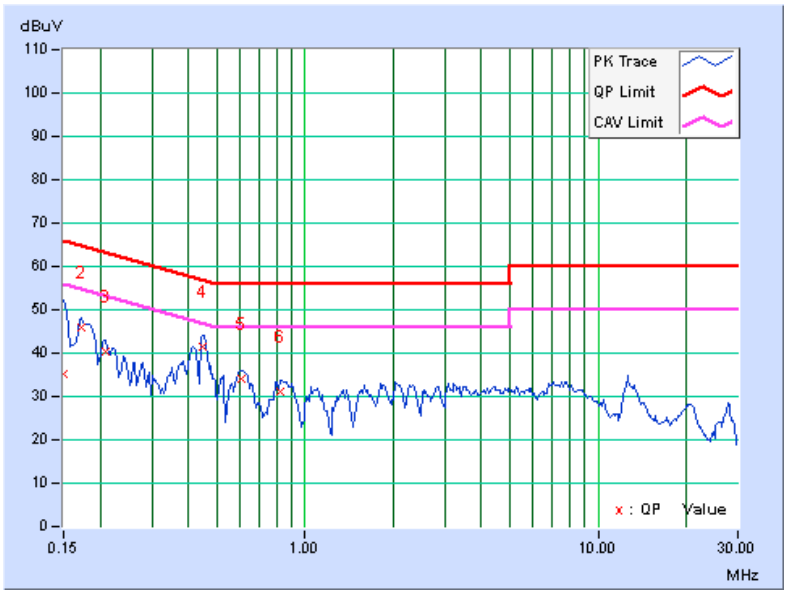
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 48	PHASE	Line 1
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	35.13	-	35.24	-	66.00	56.00	-30.76	-
2	0.17344	0.12	45.91	-	46.03	-	64.79	54.79	-18.76	-
3	0.20859	0.13	40.39	-	40.52	-	63.26	53.26	-22.74	-
4	0.44688	0.13	41.39	-	41.52	-	56.93	46.93	-15.41	-
5	0.60313	0.15	33.85	-	34.00	-	56.00	46.00	-22.00	-
6	0.82578	0.17	30.93	-	31.10	-	56.00	46.00	-24.90	-

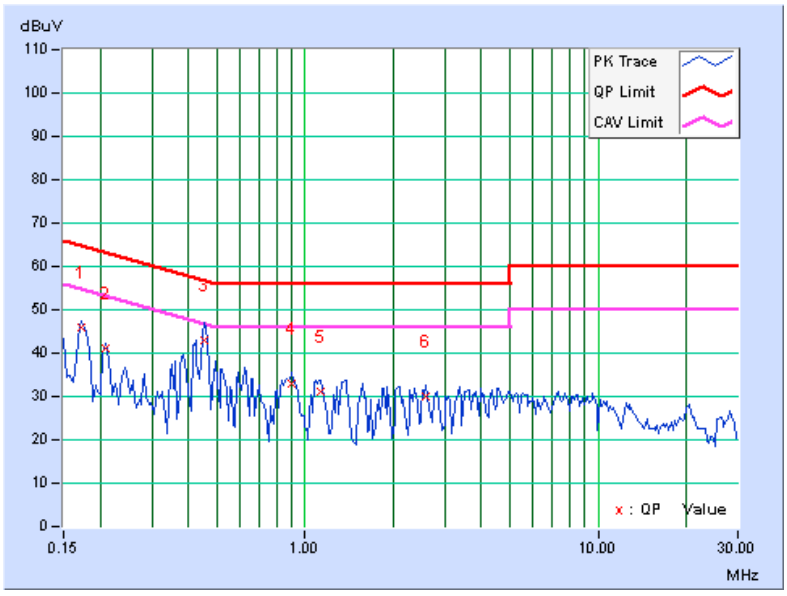
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 48	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.13	45.64	-	45.77	-	64.79	54.79	-19.02	-
2	0.20859	0.14	41.02	-	41.16	-	63.26	53.26	-22.10	-
3	0.45078	0.16	42.79	-	42.95	-	56.86	46.86	-13.92	-
4	0.90000	0.20	32.93	-	33.13	-	56.00	46.00	-22.87	-
5	1.12500	0.21	30.89	-	31.10	-	56.00	46.00	-24.90	-
6	2.59766	0.27	29.59	-	29.86	-	56.00	46.00	-26.14	-

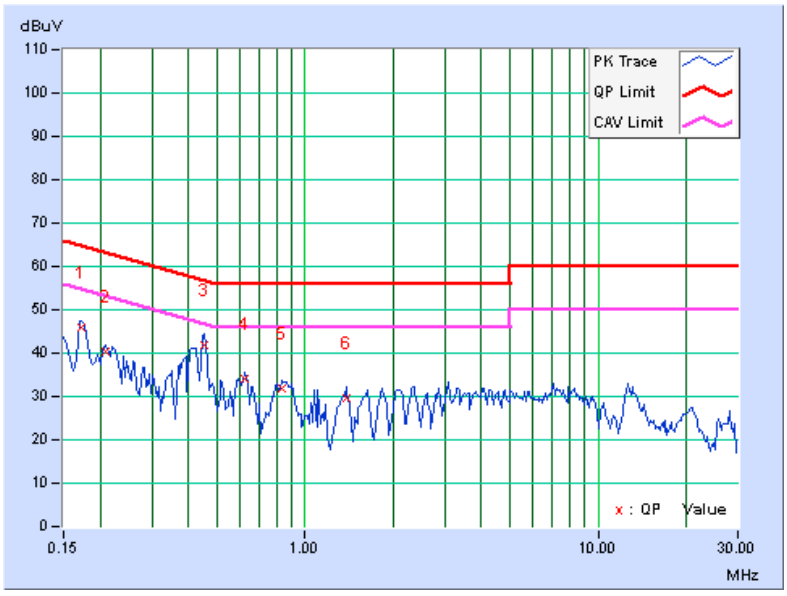
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 52	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.12	45.89	-	46.01	-	64.79	54.79	-18.78	-
2	0.20859	0.13	40.39	-	40.52	-	63.26	53.26	-22.74	-
3	0.45078	0.14	41.79	-	41.93	-	56.86	46.86	-14.94	-
4	0.62266	0.15	33.75	-	33.90	-	56.00	46.00	-22.10	-
5	0.82969	0.17	31.74	-	31.91	-	56.00	46.00	-24.09	-
6	1.38672	0.20	29.33	-	29.53	-	56.00	46.00	-26.47	-

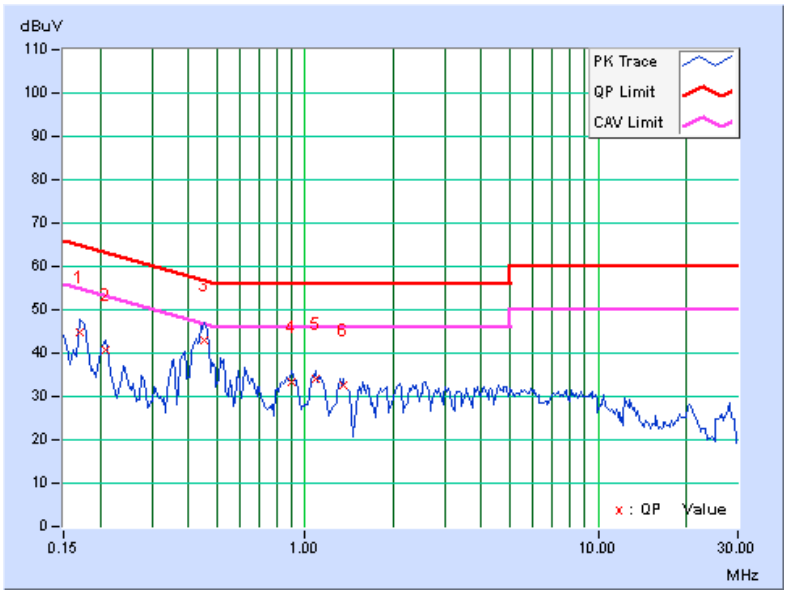
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 52	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.13	44.62	-	44.75	-	64.98	54.98	-20.23	-
2	0.20859	0.14	40.55	-	40.69	-	63.26	53.26	-22.57	-
3	0.45078	0.16	42.85	-	43.01	-	56.86	46.86	-13.86	-
4	0.90000	0.20	33.28	-	33.48	-	56.00	46.00	-22.52	-
5	1.09375	0.21	33.80	-	34.01	-	56.00	46.00	-21.99	-
6	1.35156	0.22	32.32	-	32.54	-	56.00	46.00	-23.46	-

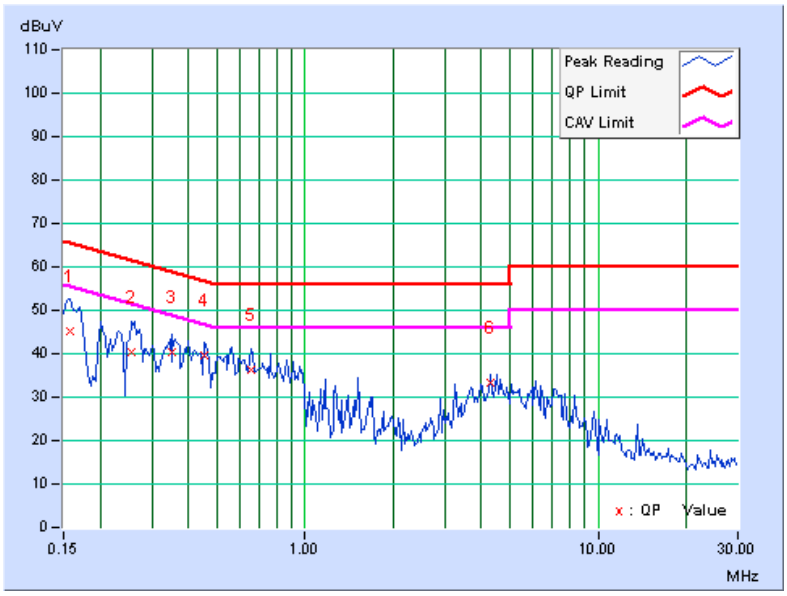
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 60	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	0.12	45.07	-	45.19	-	65.58	55.58	-20.39	-
2	0.25547	0.12	40.25	-	40.37	-	61.58	51.58	-21.21	-
3	0.35313	0.12	40.07	-	40.19	-	58.89	48.89	-18.70	-
4	0.45469	0.12	39.68	-	39.80	-	56.79	46.79	-16.99	-
5	0.65391	0.14	36.07	-	36.21	-	56.00	46.00	-19.79	-
6	4.31641	0.33	33.16	-	33.49	-	56.00	46.00	-22.51	-

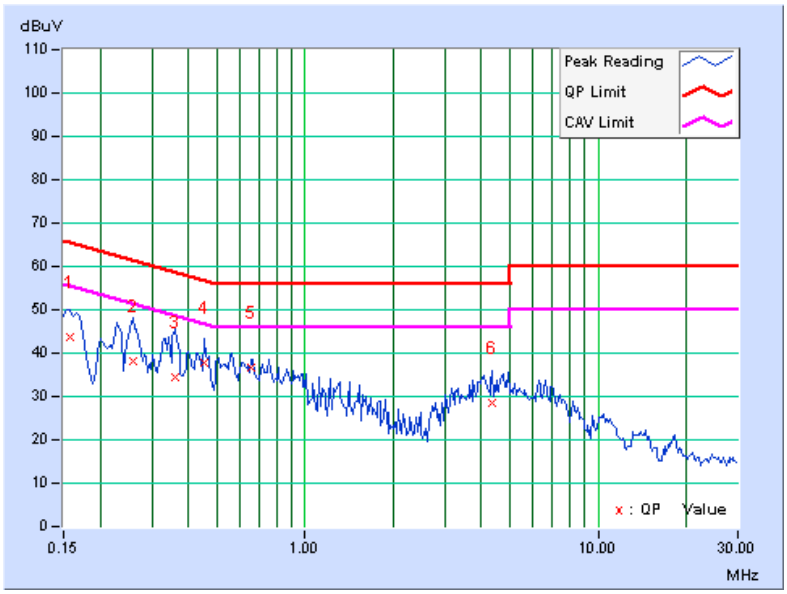
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 60	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	0.13	43.62	-	43.75	-	65.58	55.58	-21.83	-
2	0.25938	0.13	38.12	-	38.25	-	61.45	51.45	-23.20	-
3	0.36094	0.14	34.35	-	34.49	-	58.71	48.71	-24.22	-
4	0.45469	0.14	37.82	-	37.96	-	56.79	46.79	-18.83	-
5	0.65781	0.16	36.37	-	36.53	-	56.00	46.00	-19.47	-
6	4.37109	0.34	28.04	-	28.38	-	56.00	46.00	-27.62	-

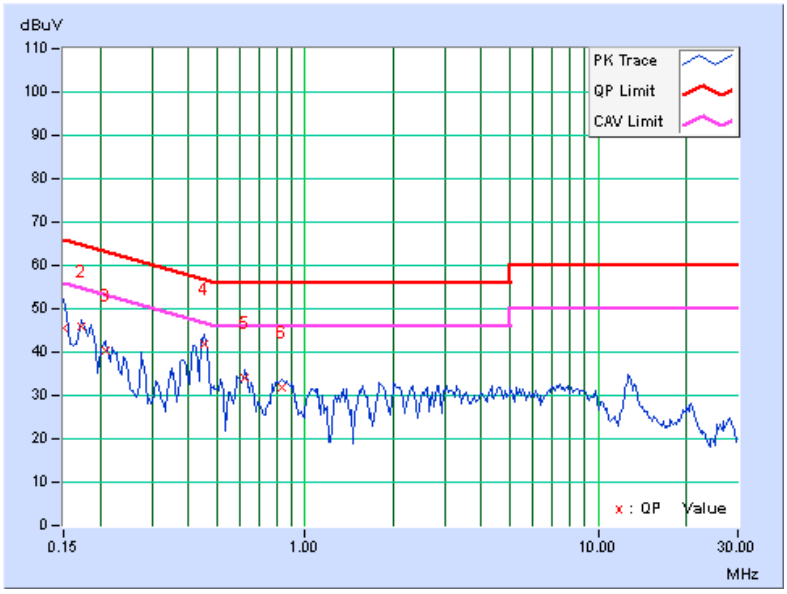
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 64	PHASE	Line 1
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	45.58	-	45.69	-	66.00	56.00	-20.31	-
2	0.17344	0.12	45.89	-	46.01	-	64.79	54.79	-18.78	-
3	0.20859	0.13	40.39	-	40.52	-	63.26	53.26	-22.74	-
4	0.45078	0.14	41.77	-	41.91	-	56.86	46.86	-14.96	-
5	0.62266	0.15	33.75	-	33.90	-	56.00	46.00	-22.10	-
6	0.83359	0.17	31.61	-	31.78	-	56.00	46.00	-24.22	-

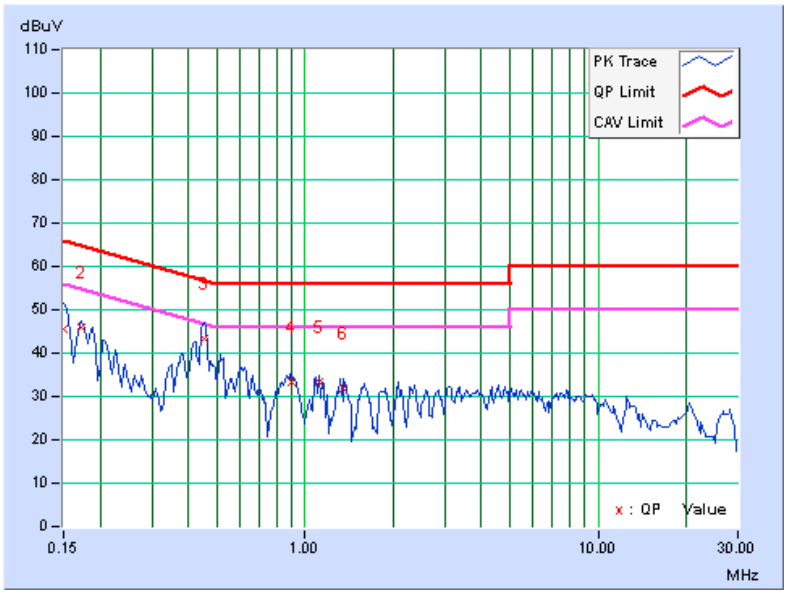
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 64	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	45.37	-	45.49	-	66.00	56.00	-20.51	-
2	0.17344	0.13	45.62	-	45.75	-	64.79	54.79	-19.04	-
3	0.45078	0.16	43.15	-	43.31	-	56.86	46.86	-13.56	-
4	0.90391	0.20	33.22	-	33.42	-	56.00	46.00	-22.58	-
5	1.11719	0.21	33.07	-	33.28	-	56.00	46.00	-22.72	-
6	1.35938	0.22	31.61	-	31.83	-	56.00	46.00	-24.17	-

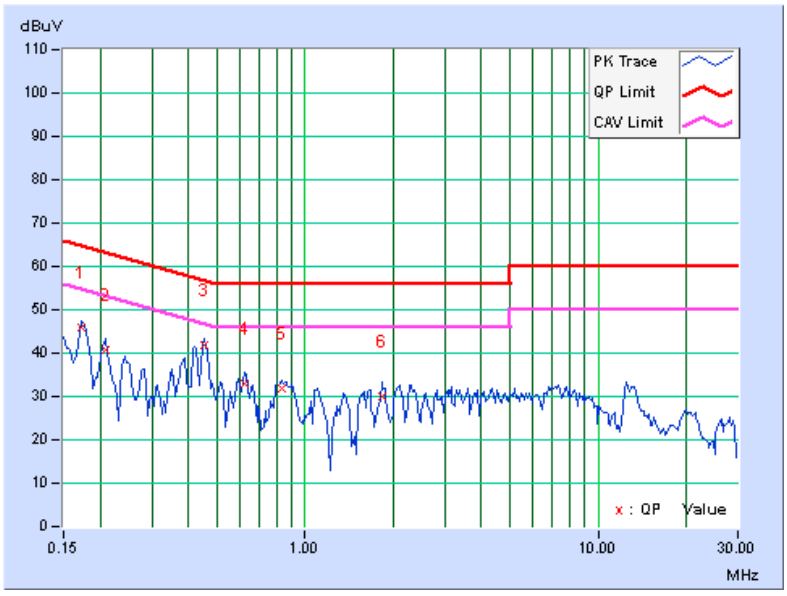
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 100	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.12	45.93	-	46.05	-	64.79	54.79	-18.74	-
2	0.20859	0.13	40.43	-	40.56	-	63.26	53.26	-22.70	-
3	0.45078	0.14	41.75	-	41.89	-	56.86	46.86	-14.98	-
4	0.61875	0.15	32.95	-	33.10	-	56.00	46.00	-22.90	-
5	0.82969	0.17	31.60	-	31.77	-	56.00	46.00	-24.23	-
6	1.82813	0.21	29.73	-	29.94	-	56.00	46.00	-26.06	-

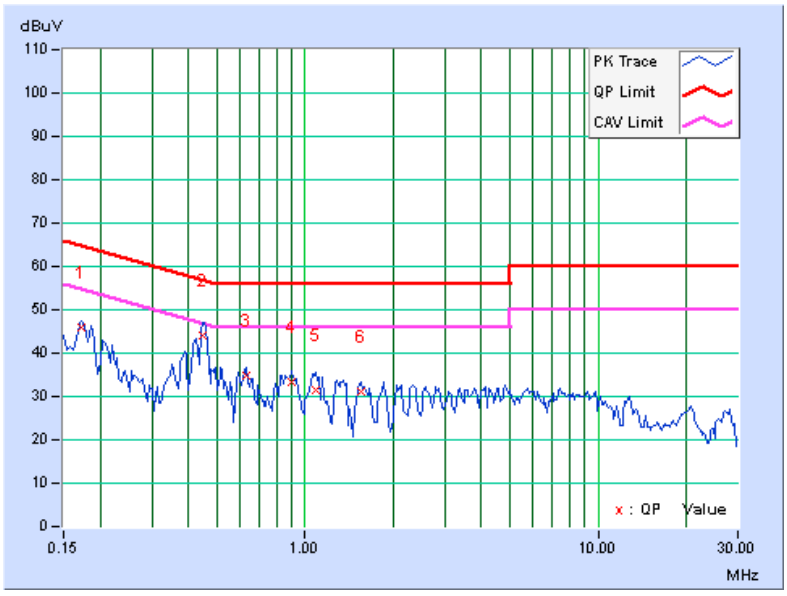
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 100	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.13	45.64	-	45.77	-	64.79	54.79	-19.02	-
2	0.44688	0.15	43.93	-	44.08	-	56.93	46.93	-12.85	-
3	0.62656	0.17	34.58	-	34.75	-	56.00	46.00	-21.25	-
4	0.90000	0.20	33.30	-	33.50	-	56.00	46.00	-22.50	-
5	1.08984	0.21	31.44	-	31.65	-	56.00	46.00	-24.35	-
6	1.56250	0.22	30.86	-	31.08	-	56.00	46.00	-24.92	-

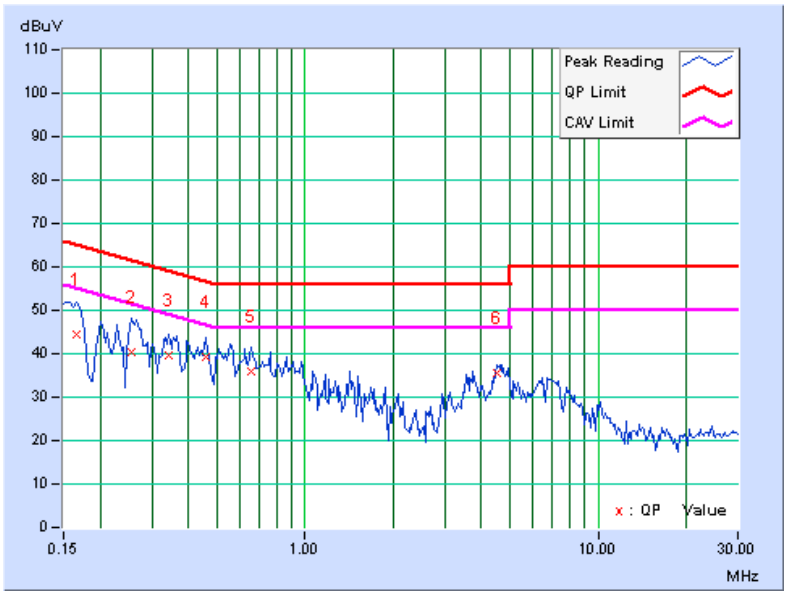
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 116	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16562	0.12	44.28	-	44.40	-	65.18	55.18	-20.78	-
2	0.25547	0.12	40.39	-	40.51	-	61.58	51.58	-21.07	-
3	0.34141	0.12	39.52	-	39.64	-	59.17	49.17	-19.53	-
4	0.45859	0.12	39.27	-	39.39	-	56.72	46.72	-17.32	-
5	0.65391	0.14	35.77	-	35.91	-	56.00	46.00	-20.09	-
6	4.51172	0.34	35.13	-	35.47	-	56.00	46.00	-20.53	-

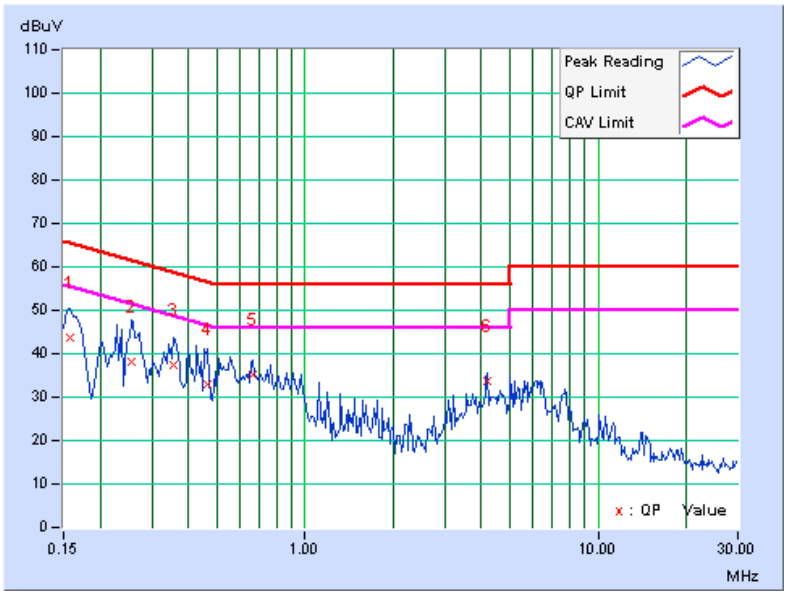
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 116	PHASE	Line 2
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	0.13	43.66	-	43.79	-	65.58	55.58	-21.79	-
2	0.25547	0.13	38.06	-	38.19	-	61.58	51.58	-23.38	-
3	0.35703	0.14	37.45	-	37.59	-	58.80	48.80	-21.21	-
4	0.46250	0.14	32.64	-	32.78	-	56.65	46.65	-23.86	-
5	0.66172	0.16	35.08	-	35.24	-	56.00	46.00	-20.76	-
6	4.20703	0.33	33.43	-	33.76	-	56.00	46.00	-22.24	-

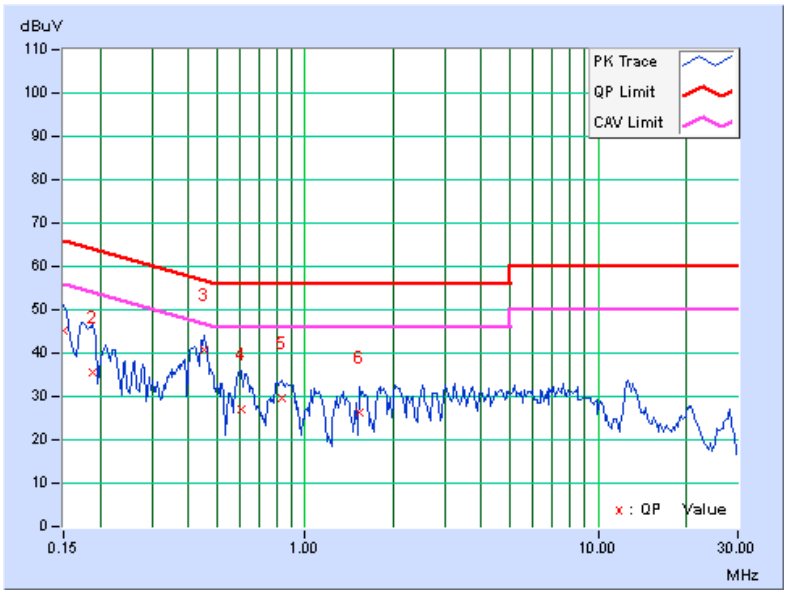
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 140	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	45.05	-	45.16	-	66.00	56.00	-20.84	-
2	0.18906	0.13	35.50	-	35.63	-	64.08	54.08	-28.45	-
3	0.45078	0.14	40.70	-	40.84	-	56.86	46.86	-16.03	-
4	0.60313	0.15	27.00	-	27.15	-	56.00	46.00	-28.85	-
5	0.83750	0.17	29.40	-	29.57	-	56.00	46.00	-26.43	-
6	1.53516	0.21	26.19	-	26.40	-	56.00	46.00	-29.60	-

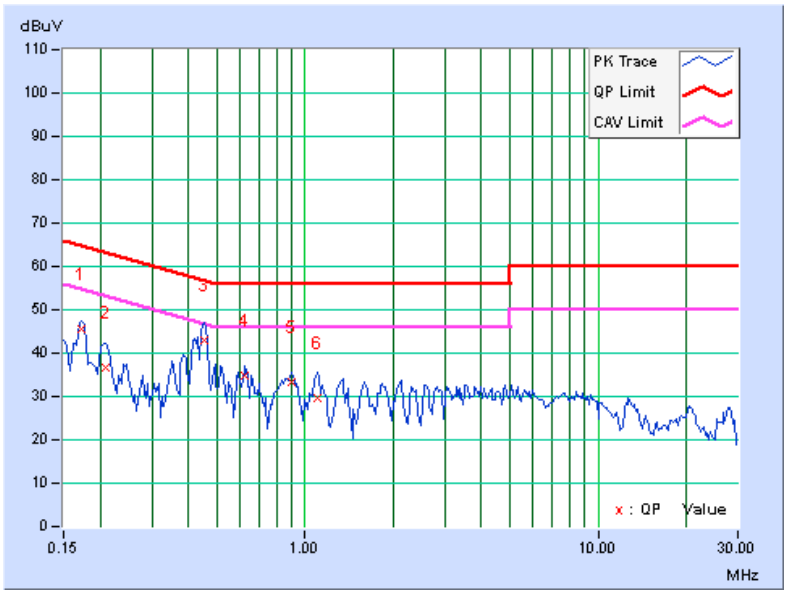
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 140	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.13	45.58	-	45.71	-	64.79	54.79	-19.08	-
2	0.20859	0.14	36.66	-	36.80	-	63.26	53.26	-26.46	-
3	0.45078	0.16	42.73	-	42.89	-	56.86	46.86	-13.98	-
4	0.62266	0.17	34.60	-	34.77	-	56.00	46.00	-21.23	-
5	0.90391	0.20	33.27	-	33.47	-	56.00	46.00	-22.53	-
6	1.10547	0.21	29.59	-	29.80	-	56.00	46.00	-26.20	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

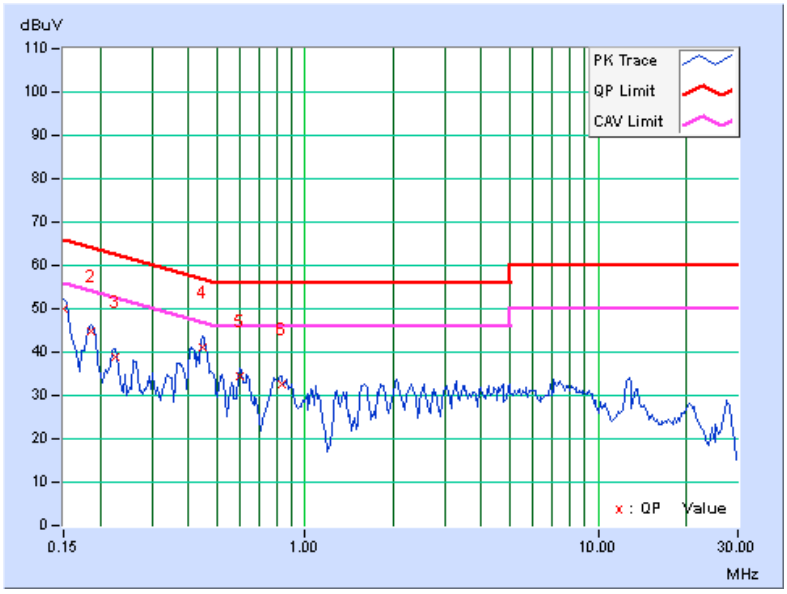


802.11n (40MHz)

CHANNEL	Channel 38	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	50.01	-	50.12	-	66.00	56.00	-15.88	-
2	0.18516	0.13	44.52	-	44.65	-	64.25	54.25	-19.61	-
3	0.22422	0.13	38.63	-	38.76	-	62.66	52.66	-23.90	-
4	0.44688	0.13	40.89	-	41.02	-	56.93	46.93	-15.91	-
5	0.59922	0.15	34.11	-	34.26	-	56.00	46.00	-21.74	-
6	0.82969	0.17	32.31	-	32.48	-	56.00	46.00	-23.52	-

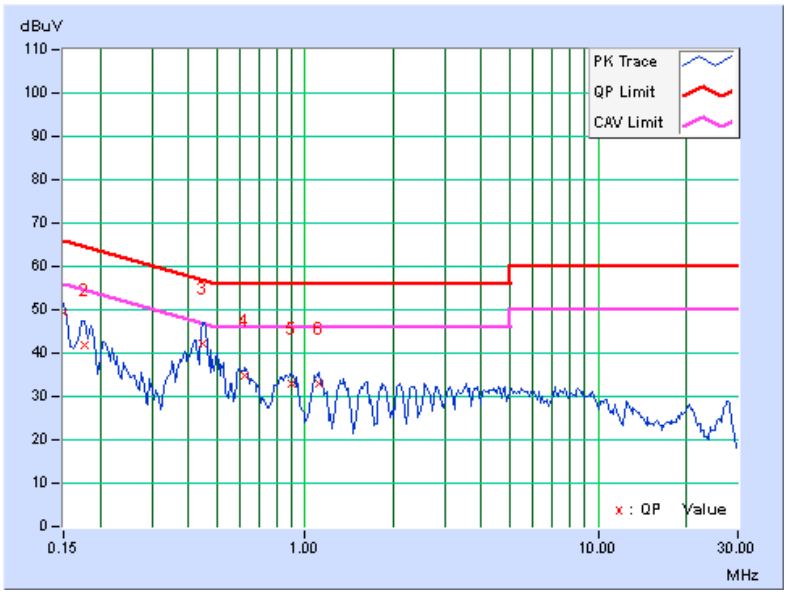
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 38	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	49.22	-	49.34	-	66.00	56.00	-16.66	-
2	0.17734	0.13	41.54	-	41.67	-	64.61	54.61	-22.94	-
3	0.44688	0.15	42.01	-	42.16	-	56.93	46.93	-14.77	-
4	0.62266	0.17	34.56	-	34.73	-	56.00	46.00	-21.27	-
5	0.89609	0.20	32.59	-	32.79	-	56.00	46.00	-23.21	-
6	1.12109	0.21	32.58	-	32.79	-	56.00	46.00	-23.21	-

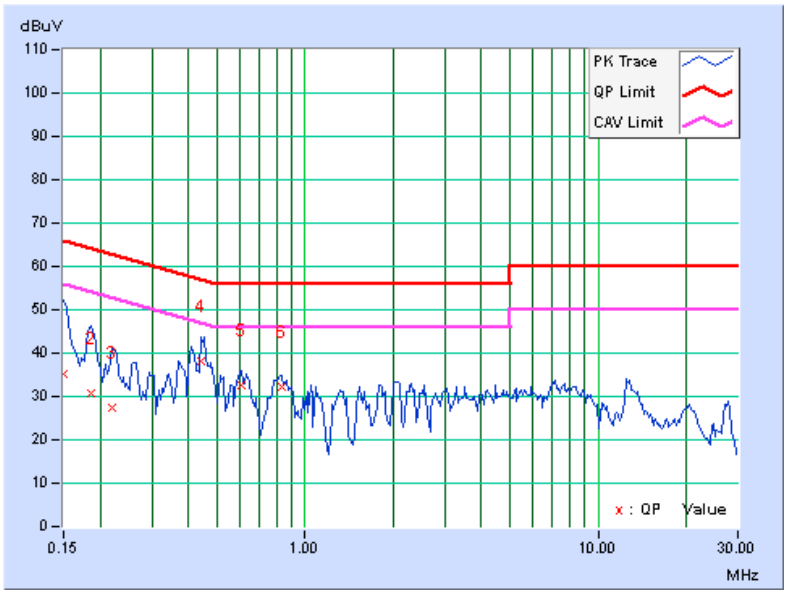
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 46	PHASE	Line 1
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	35.17	-	35.28	-	66.00	56.00	-30.72	-
2	0.18516	0.13	30.76	-	30.89	-	64.25	54.25	-33.37	-
3	0.22031	0.13	27.38	-	27.51	-	62.81	52.81	-35.30	-
4	0.44297	0.13	38.00	-	38.13	-	57.01	47.01	-18.87	-
5	0.60313	0.15	32.59	-	32.74	-	56.00	46.00	-23.26	-
6	0.82969	0.17	31.96	-	32.13	-	56.00	46.00	-23.87	-

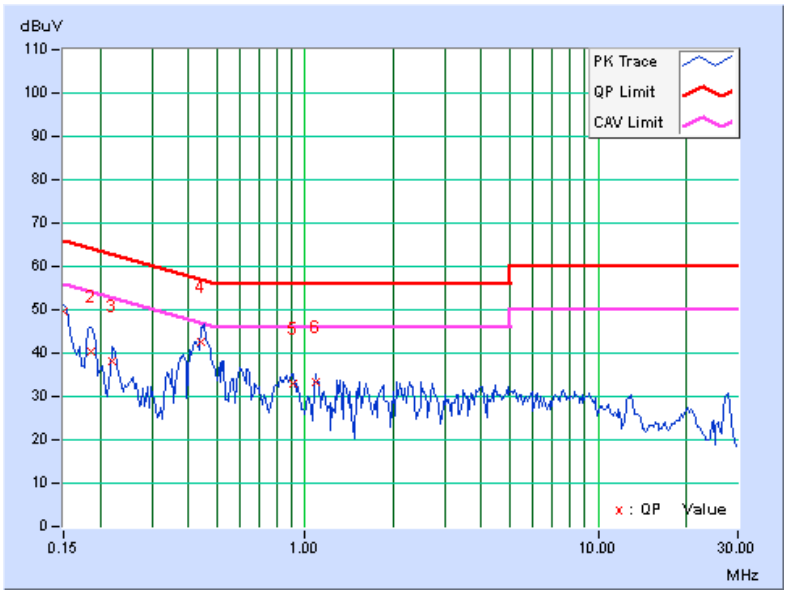
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 46	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	49.54	-	49.66	-	66.00	56.00	-16.34	-
2	0.18516	0.14	40.19	-	40.33	-	64.25	54.25	-23.93	-
3	0.22031	0.14	37.97	-	38.11	-	62.81	52.81	-24.70	-
4	0.43906	0.15	42.36	-	42.51	-	57.08	47.08	-14.57	-
5	0.90781	0.20	32.91	-	33.11	-	56.00	46.00	-22.89	-
6	1.08984	0.21	33.24	-	33.45	-	56.00	46.00	-22.55	-

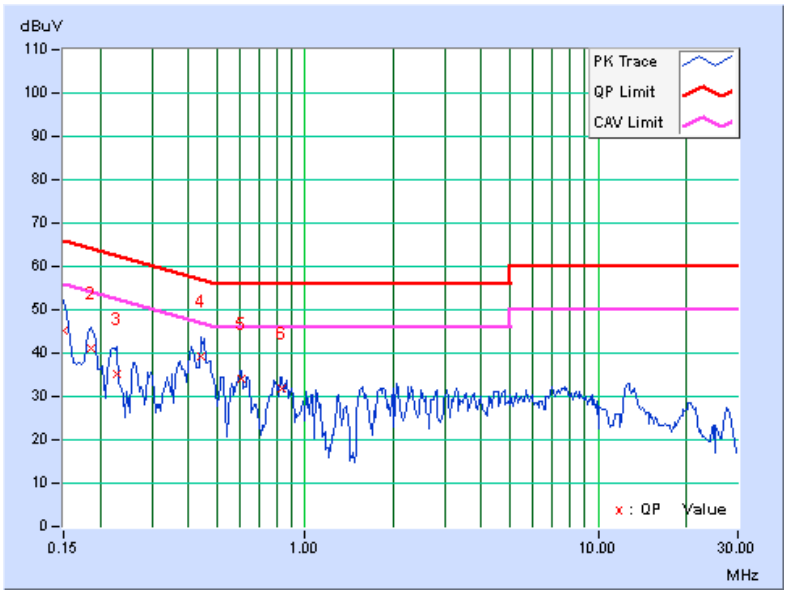
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 54	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	45.09	-	45.20	-	66.00	56.00	-20.80	-
2	0.18516	0.13	40.86	-	40.99	-	64.25	54.25	-23.27	-
3	0.22812	0.13	35.06	-	35.19	-	62.52	52.52	-27.33	-
4	0.44297	0.13	38.96	-	39.09	-	57.01	47.01	-17.91	-
5	0.60313	0.15	33.79	-	33.94	-	56.00	46.00	-22.06	-
6	0.82969	0.17	31.57	-	31.74	-	56.00	46.00	-24.26	-

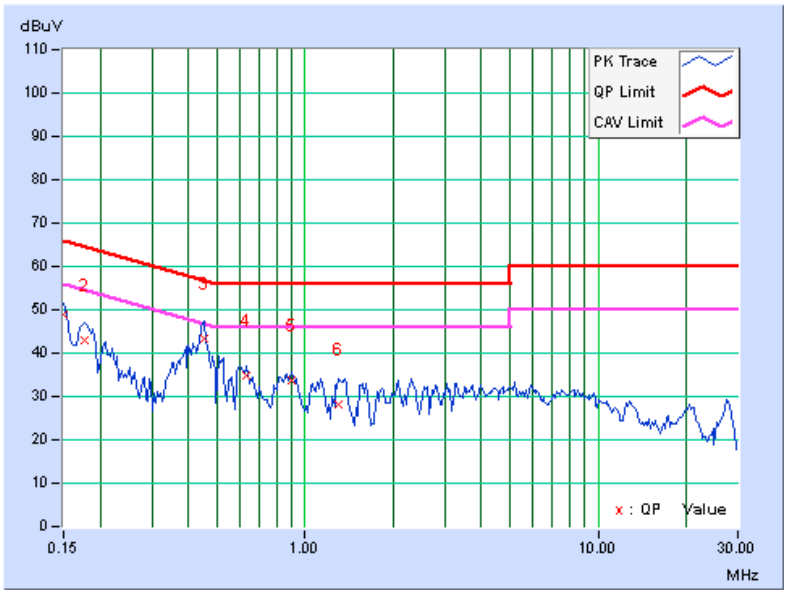
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 54	PHASE	Line 2
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	48.88	-	49.00	-	66.00	56.00	-17.00	-
2	0.17734	0.13	42.87	-	43.00	-	64.61	54.61	-21.61	-
3	0.45078	0.16	43.21	-	43.37	-	56.86	46.86	-13.50	-
4	0.62656	0.17	34.64	-	34.81	-	56.00	46.00	-21.19	-
5	0.90000	0.20	33.34	-	33.54	-	56.00	46.00	-22.46	-
6	1.30469	0.22	28.11	-	28.33	-	56.00	46.00	-27.67	-

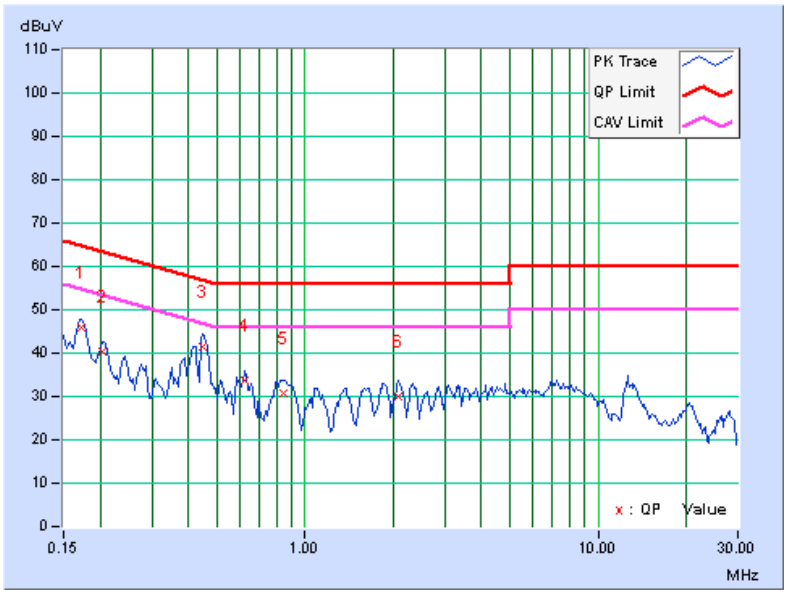
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 62	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.12	45.85	-	45.97	-	64.79	54.79	-18.82	-
2	0.20469	0.13	40.33	-	40.46	-	63.42	53.42	-22.96	-
3	0.44688	0.13	41.45	-	41.58	-	56.93	46.93	-15.35	-
4	0.62266	0.15	33.71	-	33.86	-	56.00	46.00	-22.14	-
5	0.84141	0.17	30.68	-	30.85	-	56.00	46.00	-25.15	-
6	2.07031	0.22	29.83	-	30.05	-	56.00	46.00	-25.95	-

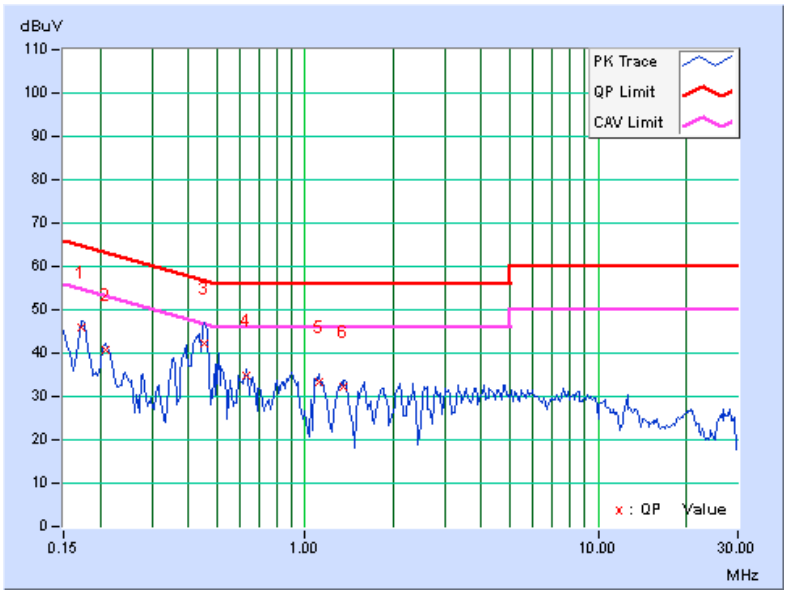
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 62	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.13	45.75	-	45.88	-	64.79	54.79	-18.91	-
2	0.20859	0.14	40.61	-	40.75	-	63.26	53.26	-22.51	-
3	0.45078	0.16	42.09	-	42.25	-	56.86	46.86	-14.62	-
4	0.62656	0.17	34.58	-	34.75	-	56.00	46.00	-21.25	-
5	1.11719	0.21	33.15	-	33.36	-	56.00	46.00	-22.64	-
6	1.35938	0.22	31.98	-	32.20	-	56.00	46.00	-23.80	-

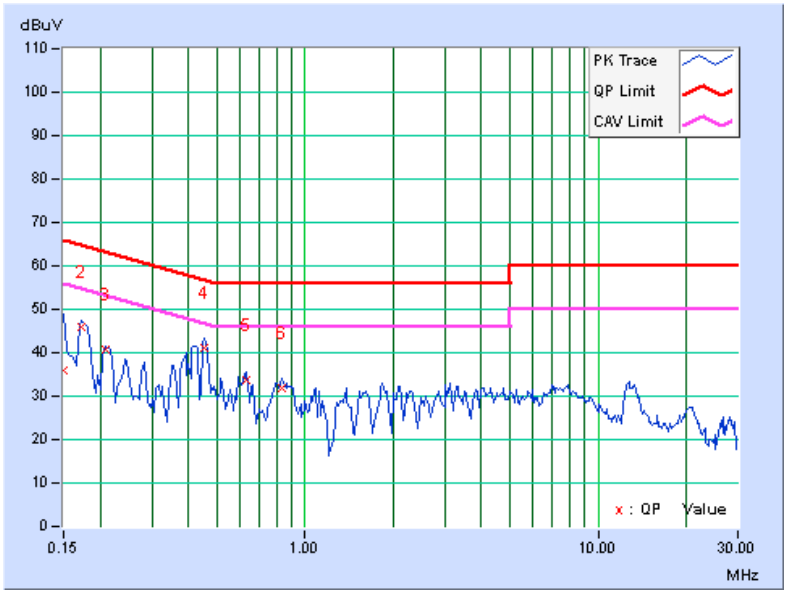
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 102	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	35.66	-	35.77	-	66.00	56.00	-30.23	-
2	0.17344	0.12	45.93	-	46.05	-	64.79	54.79	-18.74	-
3	0.20859	0.13	40.43	-	40.56	-	63.26	53.26	-22.70	-
4	0.45469	0.14	40.93	-	41.07	-	56.79	46.79	-15.72	-
5	0.62656	0.15	33.65	-	33.80	-	56.00	46.00	-22.20	-
6	0.82969	0.17	31.52	-	31.69	-	56.00	46.00	-24.31	-

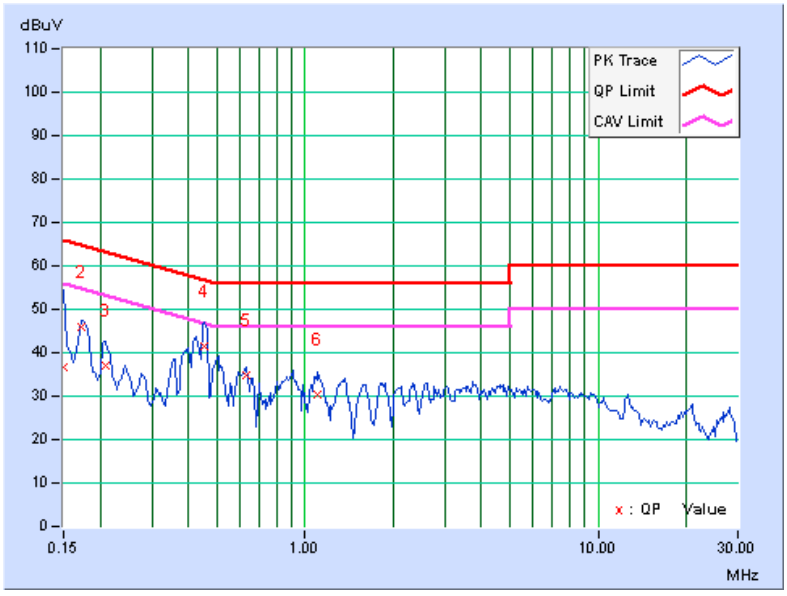
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 102	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	36.61	-	36.73	-	66.00	56.00	-29.27	-
2	0.17344	0.13	45.70	-	45.83	-	64.79	54.79	-18.96	-
3	0.20859	0.14	36.90	-	37.04	-	63.26	53.26	-26.22	-
4	0.45078	0.16	41.33	-	41.49	-	56.86	46.86	-15.38	-
5	0.62656	0.17	34.56	-	34.73	-	56.00	46.00	-21.27	-
6	1.10938	0.21	30.07	-	30.28	-	56.00	46.00	-25.72	-

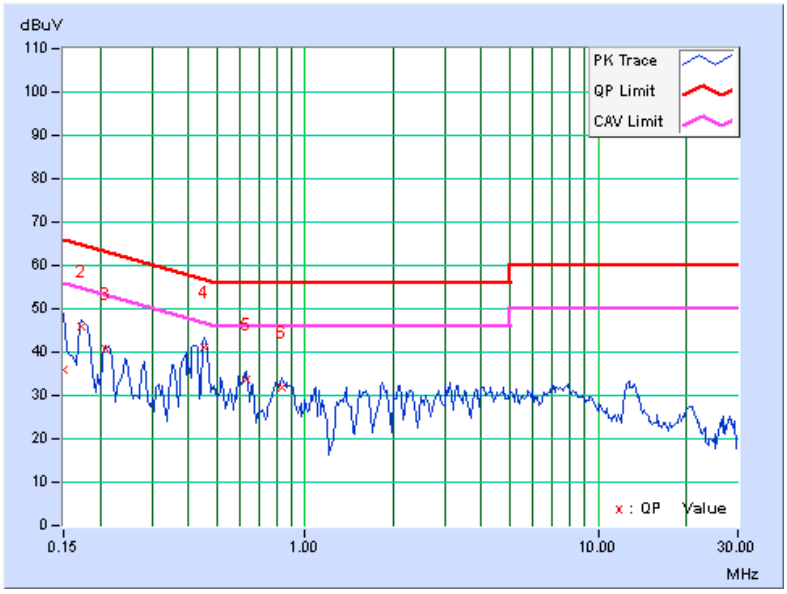
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 110	PHASE	Line 1
6dB BANDWIDTH	9kHz	TEST MODE	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	35.72	-	35.83	-	66.00	56.00	-30.17	-
2	0.17344	0.12	45.95	-	46.07	-	64.79	54.79	-18.72	-
3	0.20859	0.13	40.45	-	40.58	-	63.26	53.26	-22.68	-
4	0.45469	0.14	40.93	-	41.07	-	56.79	46.79	-15.72	-
5	0.62656	0.15	33.62	-	33.77	-	56.00	46.00	-22.23	-
6	0.82969	0.17	31.60	-	31.77	-	56.00	46.00	-24.23	-

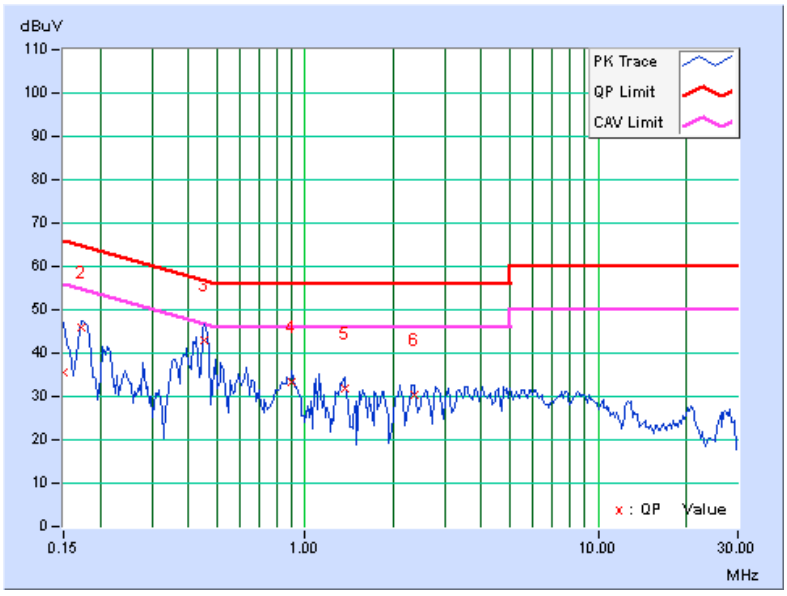
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 110	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	35.60	-	35.72	-	66.00	56.00	-30.28	-
2	0.17344	0.13	45.72	-	45.85	-	64.79	54.79	-18.94	-
3	0.45469	0.16	42.81	-	42.97	-	56.79	46.79	-13.82	-
4	0.90391	0.20	33.30	-	33.50	-	56.00	46.00	-22.50	-
5	1.36328	0.22	31.55	-	31.77	-	56.00	46.00	-24.23	-
6	2.35547	0.25	30.03	-	30.28	-	56.00	46.00	-25.72	-

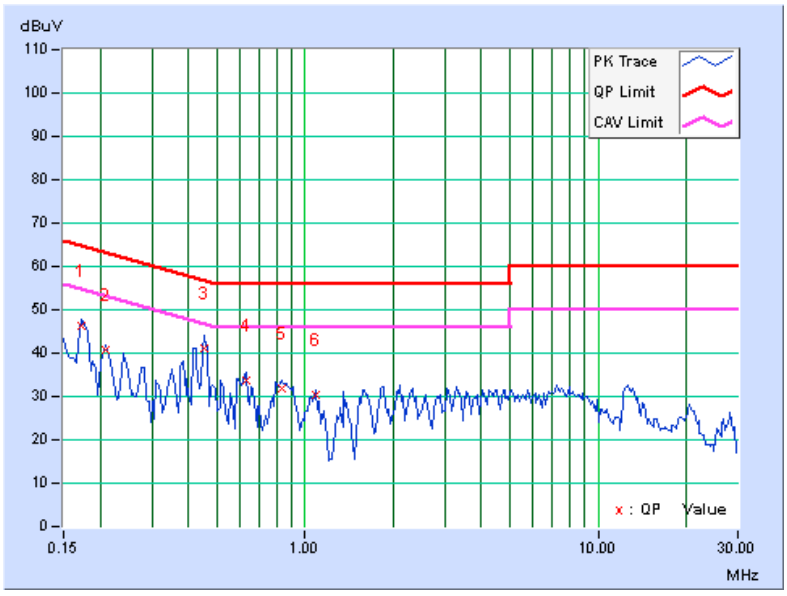
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 134	**PHASE**	Line 1
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.12	46.00	-	46.12	-	64.79	54.79	-18.67	-
2	0.20859	0.13	40.47	-	40.60	-	63.26	53.26	-22.66	-
3	0.45078	0.14	41.02	-	41.16	-	56.86	46.86	-15.71	-
4	0.62656	0.15	33.58	-	33.73	-	56.00	46.00	-22.27	-
5	0.83359	0.17	31.67	-	31.84	-	56.00	46.00	-24.16	-
6	1.08203	0.19	30.12	-	30.31	-	56.00	46.00	-25.69	-

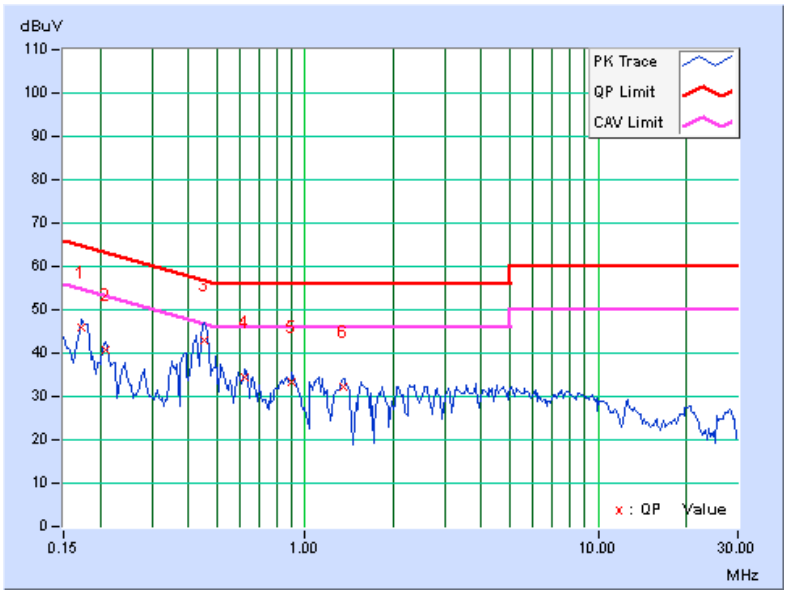
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



CHANNEL	Channel 134	**PHASE**	Line 2
6dB BANDWIDTH	9kHz	**TEST MODE**	Adapter model: MT12-Y120100-A1

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17344	0.13	45.72	-	45.85	-	64.79	54.79	-18.94	-
2	0.20859	0.14	40.65	-	40.79	-	63.26	53.26	-22.47	-
3	0.45469	0.16	42.81	-	42.97	-	56.79	46.79	-13.82	-
4	0.62266	0.17	34.40	-	34.57	-	56.00	46.00	-21.43	-
5	0.90391	0.20	33.30	-	33.50	-	56.00	46.00	-22.50	-
6	1.35156	0.22	32.10	-	32.32	-	56.00	46.00	-23.68	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



4.3 PEAK TRANSMIT POWER MEASUREMENT

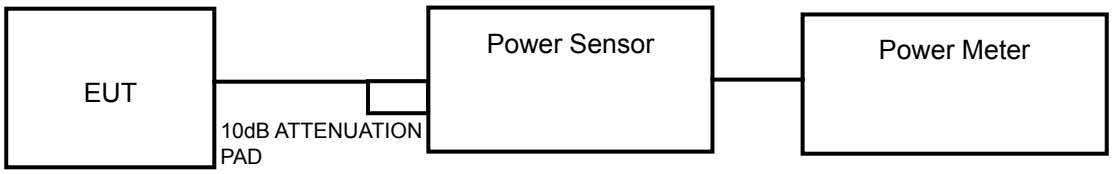
4.3.1 LIMITS OF PEAK TRANSMIT POWER MEASUREMENT

FREQUENCY BAND	LIMIT
5.150 ~ 5.250GHz	The lesser of 50mW (17dBm) or 4dBm + 10logB
5.250 ~ 5.350GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.470 ~ 5.725GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB

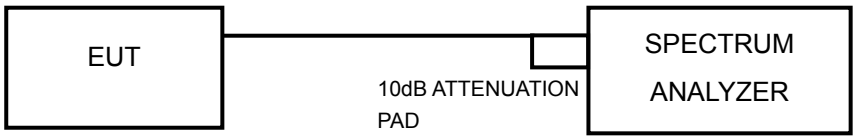
NOTE: Where B is the 26dB emission bandwidth in MHz.

4.3.2 TEST SETUP

FOR POWER OUTPUT MEASUREMENT



FOR 26dB BANDWIDTH



4.3.3 TEST INSTRUMENTS

Refer to section 4.1.3 to get information of above instrument.

4.3.4 TEST PROCEDURE

FOR AVERAGE POWER MEASUREMENT

Using test tool to control EUT to transmit test signal continuously with maximum output power and the duty cycle is > 98 %. An average sensor was used on the output port of the EUT. A power meter was used to read the response of the average power sensor. Record the power level.

FOR 26dB BANDWIDTH

1) Set RBW = approximately 1% of the emission bandwidth.
2) Set the VBW > RBW.
3) Detector = Peak.
4) Trace mode = max hold.
5) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

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 specific channel frequencies individually.

4.3.7 TEST RESULTS

POWER OUTPUT: 802.11a

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)				TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 3				
36	5180	7.5	8.1	8.1	8.2	25.1	14.0	17	PASS
40	5200	7.8	8.0	8.4	8.4	26.2	14.2	17	PASS
48	5240	8.1	7.8	8.6	8.5	26.8	14.3	17	PASS
52	5260	15.3	15.6	15.5	15.3	139.6	21.4	24	PASS
60	5300	15.3	15.7	15.1	15.5	138.9	21.4	24	PASS
64	5320	15.2	15.7	15.3	15.5	139.6	21.4	24	PASS
100	5500	14.8	15.1	15.4	15.1	129.6	21.1	24	PASS
116	5580	14.9	15.2	14.9	15.4	129.6	21.1	24	PASS
140	5700	12.7	12.8	13.4	12.6	77.8	18.9	24	PASS

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)				TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 3				
36	5180	8.2	8.9	8.7	8.9	29.5	14.7	17	PASS
40	5200	8.3	8.9	8.6	9	29.7	14.7	17	PASS
48	5240	8.7	9.1	8.6	9.1	30.9	14.9	17	PASS
52	5260	15.6	16.2	15.8	16.1	156.8	22.0	24	PASS
60	5300	15.5	16.3	15.9	16.2	158.7	22.0	24	PASS
64	5320	15.8	16.4	15.9	16.4	164.2	22.2	24	PASS
100	5500	15.7	16.0	15.6	16.2	155.0	21.9	24	PASS
116	5580	15.6	16.0	15.9	16.4	158.7	22.0	24	PASS
140	5700	15.5	15.6	15.3	15.0	**137.3**	21.4	24	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)				TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 3				
38	5190	9.0	10.4	10.3	10.9	41.9	16.2	17	PASS
46	5230	9.3	10.7	10.8	10.7	**44.0**	16.4	17	PASS
54	5270	15.5	16.1	17	16.8	**174.2**	22.4	24	PASS
62	5310	13.8	13.4	14.5	14.2	100.4	20.0	24	PASS
102	5510	11.5	12.2	12	11.8	61.7	17.9	24	PASS
110	5550	17.1	17.8	18.2	17.9	**239.3**	23.8	24	PASS
134	5670	14.5	14.9	15.1	14.8	121.6	20.9	24	PASS

26dB OCCUPIED BANDWIDTH: 802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc OCCUPIED BANDWIDTH (MHz)				PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 3	
36	5180	26.58	24.80	26.05	25.48	PASS
40	5200	26.91	24.87	27.27	25.43	PASS
48	5240	26.69	24.87	26.50	25.26	PASS
52	5260	26.81	24.95	26.91	25.93	PASS
60	5300	27.38	24.77	27.42	26.53	PASS
64	5320	26.98	25.05	26.97	25.71	PASS
100	5500	26.71	24.73	26.78	25.70	PASS
116	5580	26.77	25.02	27.33	25.95	PASS
140	5700	26.04	24.78	25.68	25.60	PASS

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc OCCUPIED BANDWIDTH (MHz)				PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 3	
36	5180	27.69	27.25	25.56	25.70	PASS
40	5200	28.34	27.44	25.72	26.56	PASS
48	5240	27.58	27.53	26.67	26.28	PASS
52	5260	28.07	27.88	26.42	26.62	PASS
60	5300	27.62	27.91	26.52	26.30	PASS
64	5320	27.54	27.44	26.58	26.34	PASS
100	5500	27.53	27.70	26.51	26.29	PASS
116	5580	27.39	27.40	25.72	26.58	PASS
140	5700	26.61	27.33	25.50	25.78	PASS

802.11n (40MHz)

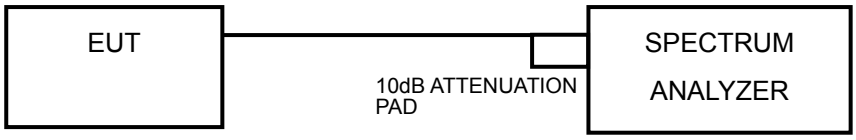
CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc OCCUPIED BANDWIDTH (MHz)				PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 3	
38	5190	44.20	44.60	44.17	44.35	PASS
46	5230	44.08	44.55	44.16	44.15	PASS
54	5270	44.06	44.04	45.02	44.80	PASS
62	5310	44.07	44.60	44.23	44.09	PASS
102	5510	44.09	44.53	44.23	44.18	PASS
110	5550	45.39	45.78	45.62	45.87	PASS
134	5670	44.19	44.58	44.13	44.74	PASS

4.4 PEAK POWER EXCURSION MEASUREMENT

4.4.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT

Shall not exceed 13 dB

4.4.2 TEST SETUP



4.4.3 TEST INSTRUMENTS

Refer to section 4.1.3 to get information of above instrument.

4.4.4 TEST PROCEDURE

1) Set RBW = 1 MHz, VBW ≤ 3 MHz, Detector = peak.
2) Trace mode = max-hold. Allow the sweeps to continue until the trace stabilizes.
3) Use the peak search function to find the peak of the spectrum.
4) Measure the PPSD.
5) Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.

4.4.5 DEVIATION FROM TEST STANDARD

No deviation.

4.4.6 EUT OPERATING CONDITIONS

Same as 4.2.6

4.4.7 TEST RESULTS

802.11a

For 5180MHz ~ 5240MHz

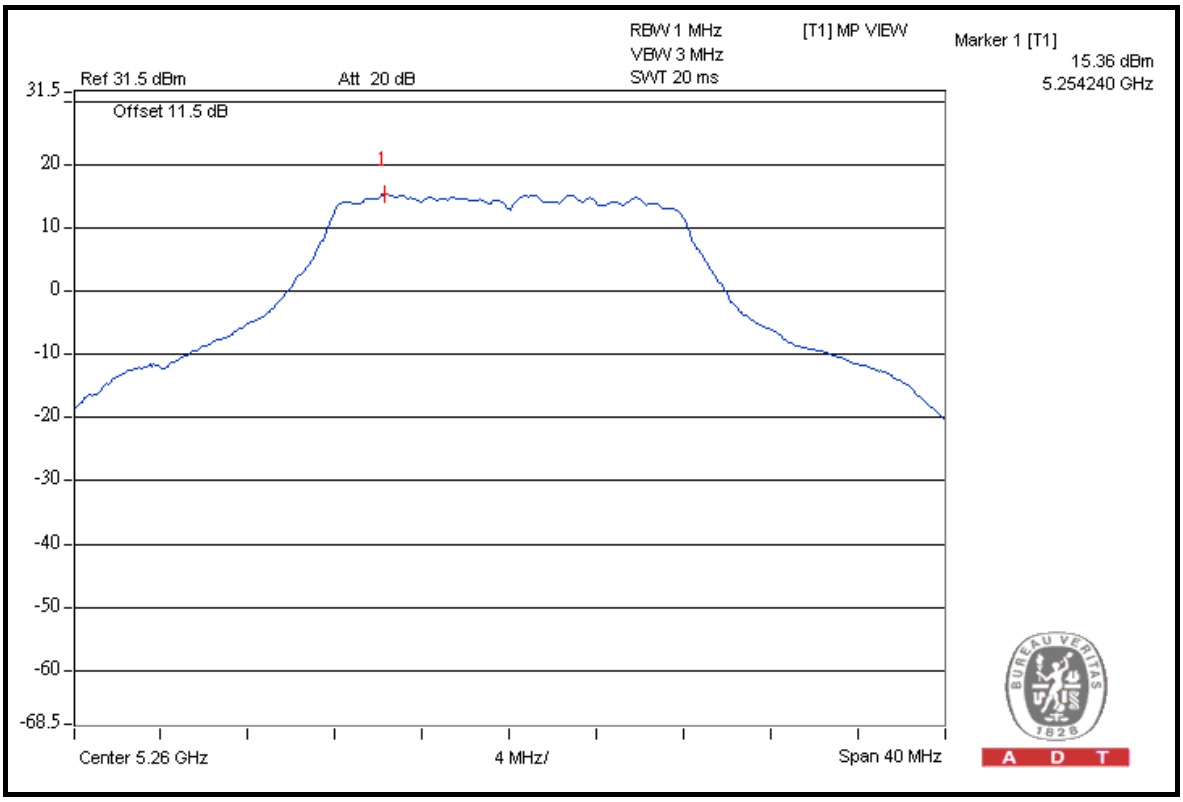
TX chain	CHAN.	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS /FAIL
0	36	5180	6.08	-1.94	8.02	13	PASS
	40	5200	6.48	-2.11	8.59	13	PASS
	48	5240	6.52	-2.11	8.63	13	PASS
1	36	5180	8.09	-2.02	10.11	13	PASS
	40	5200	7.96	-2.07	10.03	13	PASS
	48	5240	8.02	-2.16	10.18	13	PASS
2	36	5180	7.69	-2.26	9.95	13	PASS
	40	5200	8.08	-2.08	10.16	13	PASS
	48	5240	8.26	-2.18	10.44	13	PASS
3	36	5180	7.21	-2.19	9.40	13	PASS
	40	5200	7.63	-2.13	9.76	13	PASS
	48	5240	7.34	-2.20	9.54	13	PASS

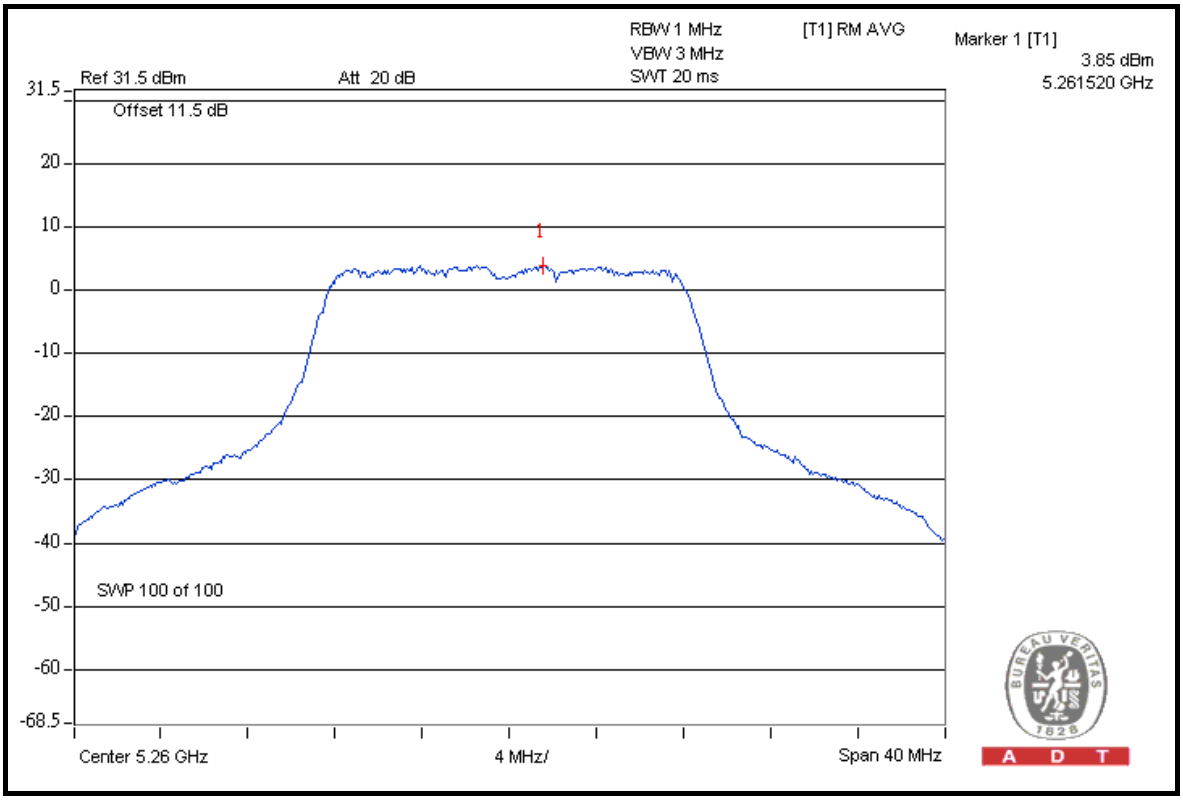
For 5260MHz ~ 5320MHz

TX chain	CHAN.	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS /FAIL
0	52	5260	13.79	4.28	9.51	13	PASS
	60	5300	13.82	4.66	9.16	13	PASS
	64	5320	13.96	4.23	9.73	13	PASS
1	52	5260	15.36	3.85	11.51	13	PASS
	60	5300	15.52	5.05	10.47	13	PASS
	64	5320	15.49	5.37	10.12	13	PASS
2	52	5260	14.86	5.42	9.44	13	PASS
	60	5300	14.62	4.46	10.16	13	PASS
	64	5320	14.76	4.92	9.84	13	PASS
3	52	5260	14.46	4.50	9.96	13	PASS
	60	5300	14.54	4.78	9.76	13	PASS
	64	5320	14.39	5.02	9.37	13	PASS

For 5500MHz ~ 5700MHz

TX chain	CHAN.	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS /FAIL
0	100	5500	13.51	4.74	8.77	13	PASS
	116	5580	13.57	4.89	8.68	13	PASS
	140	5700	11.13	2.81	8.32	13	PASS
1	100	5500	15.05	5.42	9.63	13	PASS
	116	5580	15.10	4.85	10.25	13	PASS
	140	5700	12.55	2.51	10.04	13	PASS
2	100	5500	14.89	4.90	9.99	13	PASS
	116	5580	14.47	4.74	9.73	13	PASS
	140	5700	13.19	3.73	9.46	13	PASS
3	100	5500	14.31	4.81	9.50	13	PASS
	116	5580	14.39	5.29	9.10	13	PASS
	140	5700	11.62	2.65	8.97	13	PASS


RBW 1 MHz
VBW 3 MHz
SWT 20 ms
[T1] MP VIEW
Marker 1 [T1]
15.36 dBm
5.254240 GHz
Ref 31.5 dBm
Att 20 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
Center 5.26 GHz
4 MHz/
Span 40 MHz


RBW 1 MHz
VBW 3 MHz
SWT 20 ms
[T1] RM AVG
Marker 1 [T1]
3.85 dBm
5.261520 GHz
Ref 31.5 dBm
Att 20 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
SWP 100 of 100
Center 5.26 GHz
4 MHz/
Span 40 MHz

802.11n (20MHz)

For 5180MHz ~ 5240MHz

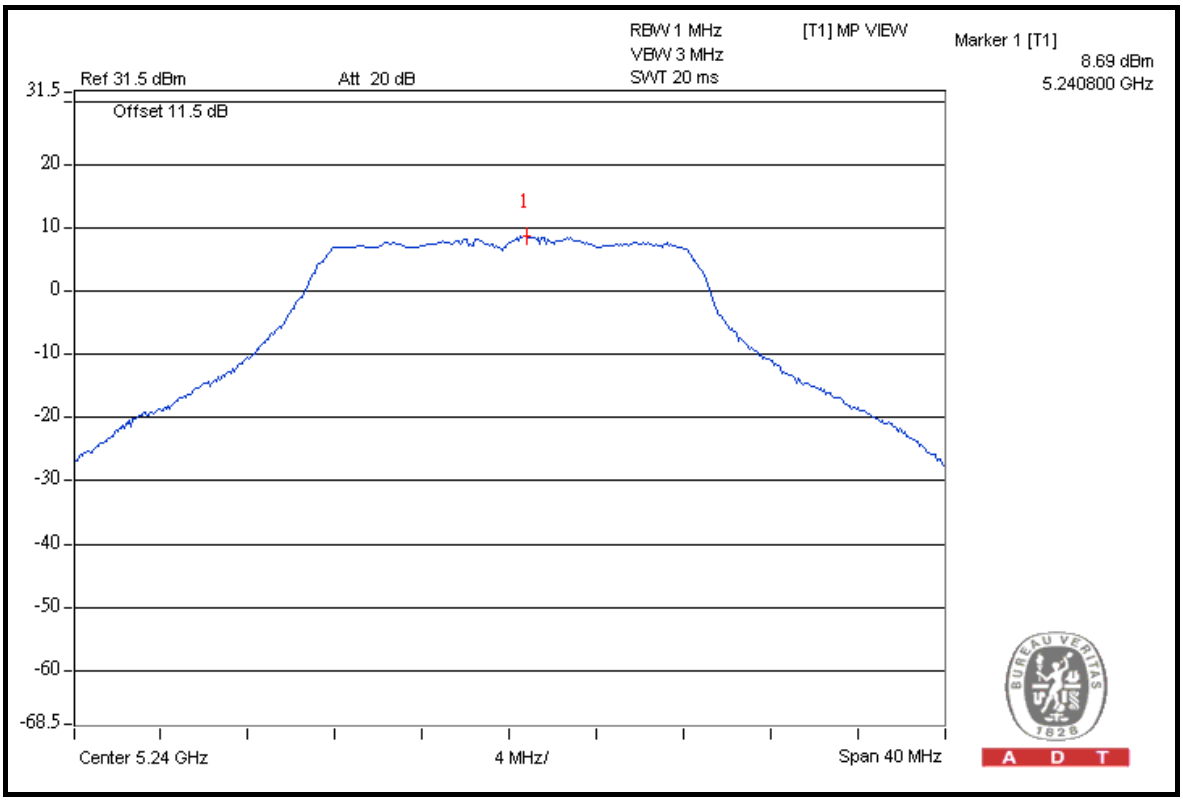
TX chain	CHAN.	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS /FAIL
0	36	5180	7.39	-2.03	9.42	13	PASS
	40	5200	7.57	-2.10	9.67	13	PASS
	48	5240	8.12	-2.26	10.38	13	PASS
1	36	5180	7.86	-2.17	10.03	13	PASS
	40	5200	7.71	-2.24	9.95	13	PASS
	48	5240	8.05	-2.08	10.13	13	PASS
2	36	5180	7.26	-2.15	9.41	13	PASS
	40	5200	7.28	-2.16	9.44	13	PASS
	48	5240	7.09	-2.16	9.25	13	PASS
3	36	5180	8.28	-2.35	10.63	13	PASS
	40	5200	8.47	-2.16	10.63	13	PASS
	48	5240	8.69	-2.24	10.93	13	PASS

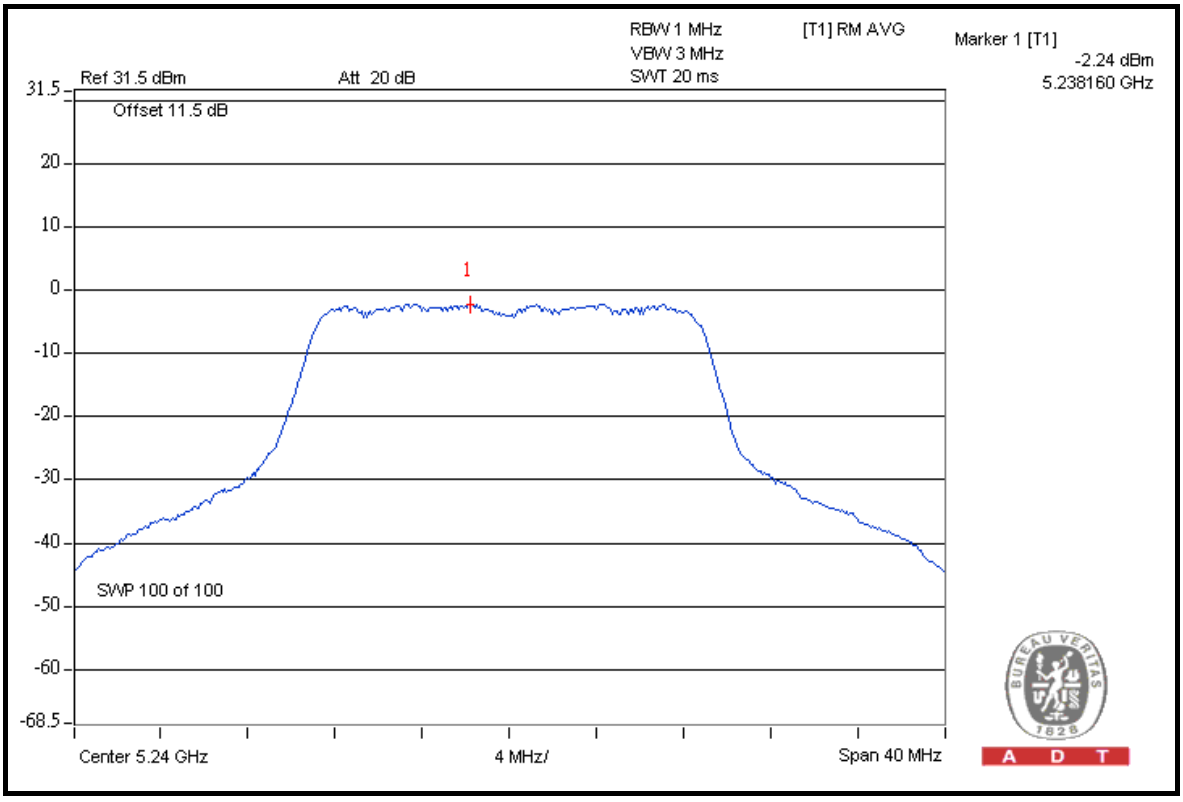
For 5260MHz ~ 5320MHz

TX chain	CHAN.	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS /FAIL
0	52	5260	14.71	4.35	10.36	13	PASS
	60	5300	14.64	4.42	10.22	13	PASS
	64	5320	14.82	4.64	10.18	13	PASS
1	52	5260	14.97	4.92	10.05	13	PASS
	60	5300	15.23	4.80	10.43	13	PASS
	64	5320	15.18	4.83	10.35	13	PASS
2	52	5260	14.53	4.55	9.98	13	PASS
	60	5300	14.69	4.58	10.11	13	PASS
	64	5320	14.64	4.52	10.12	13	PASS
3	52	5260	15.46	4.71	10.75	13	PASS
	60	5300	15.41	4.76	10.65	13	PASS
	64	5320	15.54	5.06	10.48	13	PASS

For 5500MHz ~ 5700MHz

TX chain	CHAN.	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS /FAIL
0	100	5500	14.83	4.14	10.69	13	PASS
	116	5580	14.58	4.91	9.67	13	PASS
	140	5700	14.67	4.87	9.80	13	PASS
1	100	5500	14.83	4.67	10.16	13	PASS
	116	5580	14.87	4.96	9.91	13	PASS
	140	5700	14.44	4.99	9.45	13	PASS
2	100	5500	14.06	4.58	9.48	13	PASS
	116	5580	14.66	4.93	9.73	13	PASS
	140	5700	14.10	4.92	9.18	13	PASS
3	100	5500	15.43	4.93	10.50	13	PASS
	116	5580	15.62	4.87	10.75	13	PASS
	140	5700	14.48	4.81	9.67	13	PASS


RBW 1 MHz
VBW 3 MHz
SWT 20 ms
[T1] MP VIEW
Marker 1 [T1]
8.69 dBm
5.240800 GHz
Ref 31.5 dBm
Att 20 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
1
Center 5.24 GHz
4 MHz/
Span 40 MHz


RBW 1 MHz
VBW 3 MHz
SWT 20 ms
[T1] RM AVG
Marker 1 [T1]
-2.24 dBm
5.238160 GHz
Ref 31.5 dBm
Att 20 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
1
SWP 100 of 100
Center 5.24 GHz
4 MHz/
Span 40 MHz

802.11n (40MHz)

For 5190MHz ~ 5230MHz

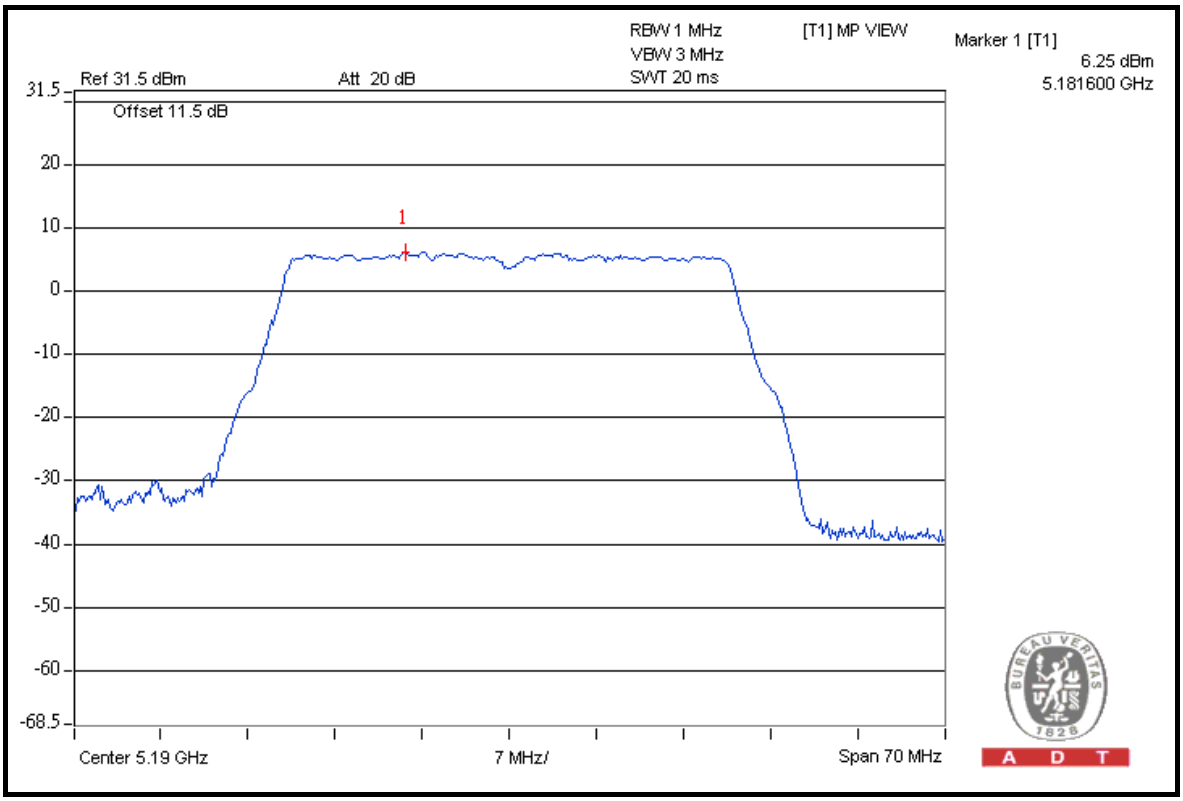
TX chain	CHAN.	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS /FAIL
0	38	5190	4.78	-4.97	9.75	13	PASS
	46	5230	4.95	-3.89	8.84	13	PASS
1	38	5190	5.50	-4.63	10.13	13	PASS
	46	5230	5.63	-3.79	9.42	13	PASS
2	38	5190	5.99	-5.37	11.36	13	PASS
	46	5230	6.34	-4.33	10.67	13	PASS
3	38	5190	6.25	-5.23	11.48	13	PASS
	46	5230	5.98	-3.75	9.73	13	PASS

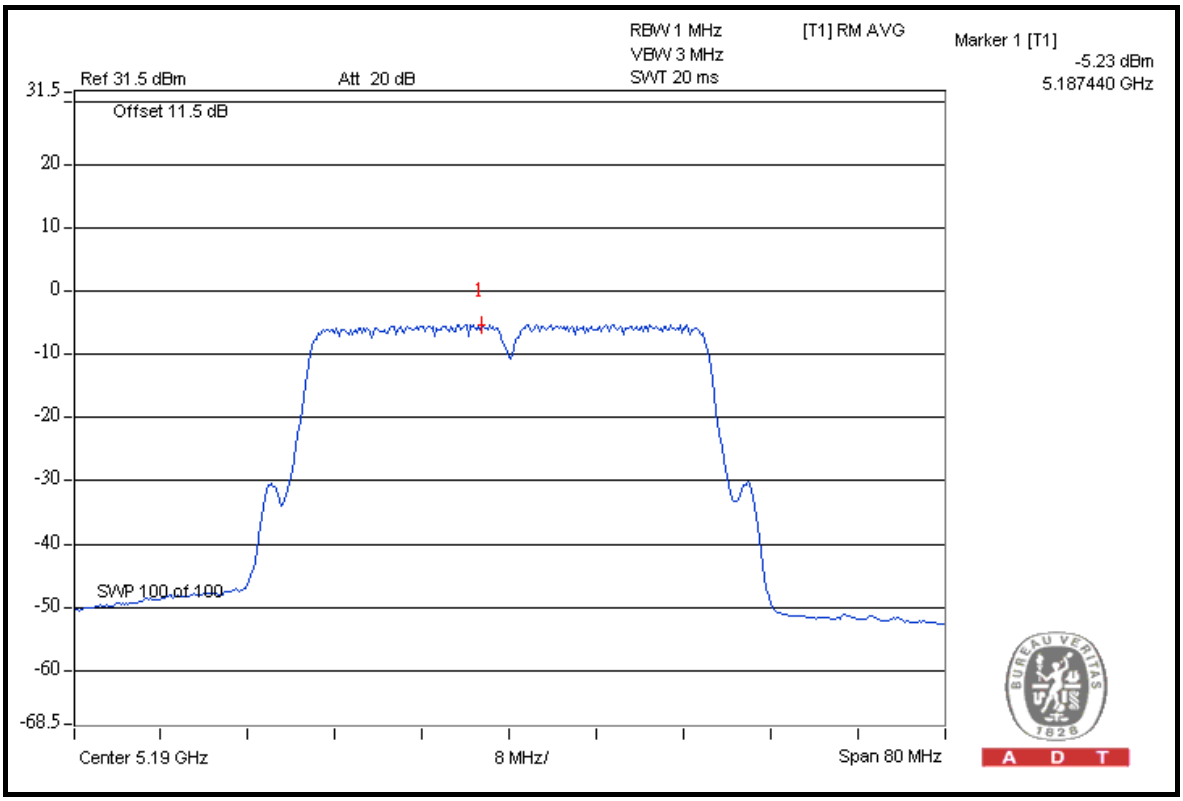
For 5270MHz ~ 5310MHz

TX chain	CHAN.	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS /FAIL
0	54	5270	11.19	2.10	9.09	13	PASS
	62	5310	9.51	0.33	9.18	13	PASS
1	54	5270	11.28	1.73	9.55	13	PASS
	62	5310	8.44	-0.32	8.76	13	PASS
2	54	5270	12.86	2.32	10.54	13	PASS
	62	5310	10.07	1.20	8.87	13	PASS
3	54	5270	12.00	2.79	9.21	13	PASS
	62	5310	9.39	0.55	8.84	13	PASS

For 5510MHz ~ 5670MHz

TX chain	CHAN.	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS /FAIL
0	102	5510	7.18	-1.64	8.82	13	PASS
	110	5550	12.66	3.70	8.96	13	PASS
	134	5670	10.15	1.48	8.67	13	PASS
1	102	5510	7.19	-1.30	8.49	13	PASS
	110	5550	12.83	4.21	8.62	13	PASS
	134	5670	10.12	1.69	8.43	13	PASS
2	102	5510	7.82	-1.61	9.43	13	PASS
	110	5550	13.72	3.80	9.92	13	PASS
	134	5670	10.90	1.27	9.63	13	PASS
3	102	5510	6.91	-1.37	8.28	13	PASS
	110	5550	13.22	4.00	9.22	13	PASS
	134	5670	10.22	1.75	8.47	13	PASS


RBW 1 MHz
VBW 3 MHz
SWT 20 ms
[T1] MP VIEW
Marker 1 [T1]
6.25 dBm
5.181600 GHz
Ref 31.5 dBm
Att 20 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
1
Center 5.19 GHz
7 MHz/
Span 70 MHz

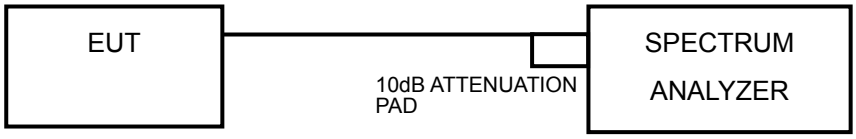

RBW 1 MHz
VBW 3 MHz
SWT 20 ms
[T1] RM AVG
Marker 1 [T1]
-5.23 dBm
5.187440 GHz
Ref 31.5 dBm
Att 20 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
1
SWP 100 of 100
Center 5.19 GHz
8 MHz/
Span 80 MHz

4.5 PEAK POWER SPECTRAL DENSITY MEASUREMENT

4.5.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

FREQUENCY BAND	LIMIT
5.150 ~ 5.250GHz	4dBm
5.250 ~ 5.350GHz	11dBm
5.470 ~ 5.725GHz	11dBm

4.5.2 TEST SETUP



4.5.3 TEST INSTRUMENTS

Refer to section 4.1.3 to get information of above instrument.

4.5.4 TEST PROCEDURES

1) Using test tool to control EUT to transmit test signal continuously with maximum output power and the duty cycle is > 98 %
2) Set span to encompass the entire emission bandwidth (EBW) of the signal.
3) Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
4) Sweep time = auto, trigger set to “free run”.
5) Trace average at least 100 traces in power averaging mode.

4.5.5 DEVIATION FROM TEST STANDARD

No deviation.

4.5.6 EUT OPERATING CONDITIONS

Same as 4.3.6.

4.5.7 TEST RESULTS

802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 1MHz BW (dBm)				TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 3			
36	5180	-1.94	-2.02	-2.26	-2.19	3.9	4	PASS
40	5200	-2.11	-2.07	-2.08	-2.13	3.9	4	PASS
48	5240	-2.11	-2.16	-2.18	-2.20	3.7	4	PASS
52	5260	4.28	3.85	5.42	4.50	10.5	11	PASS
60	5300	4.66	5.05	4.46	4.78	10.7	11	PASS
64	5320	4.23	5.37	4.92	5.02	10.8	11	PASS
100	5500	4.74	5.42	4.90	4.81	10.9	11	PASS
116	5580	4.89	4.85	4.74	5.29	10.9	11	PASS
140	5700	2.81	2.51	3.73	2.65	8.9	11	PASS

NOTE: Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 1MHz BW (dBm)				TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 3			
36	5180	-2.03	-2.17	-2.15	-2.35	3.8	4	PASS
40	5200	-2.10	-2.24	-2.16	-2.16	3.8	4	PASS
48	5240	-2.26	-2.08	-2.16	-2.24	3.7	4	PASS
52	5260	4.35	4.92	4.55	4.71	10.6	11	PASS
60	5300	4.42	4.80	4.58	4.76	10.5	11	PASS
64	5320	4.64	4.83	4.52	5.06	10.7	11	PASS
100	5500	4.14	4.67	4.58	4.93	10.5	11	PASS
116	5580	4.91	4.96	4.93	4.87	10.7	11	PASS
140	5700	4.87	4.99	4.92	4.81	10.8	11	PASS

NOTE: Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 1MHz BW (dBm)				TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	CHAIN 3			
38	5190	-4.97	-4.63	-5.37	-5.23	0.9	4	PASS
46	5230	-3.89	-3.79	-4.33	-3.75	1.9	4	PASS
54	5270	2.10	1.73	2.32	2.79	8.1	11	PASS
62	5310	0.33	-0.32	1.20	0.55	6.2	11	PASS
102	5510	-1.64	-1.30	-1.61	-1.37	4.4	11	PASS
110	5550	3.70	4.21	3.80	4.00	9.9	11	PASS
134	5670	1.48	1.69	1.27	1.75	7.4	11	PASS

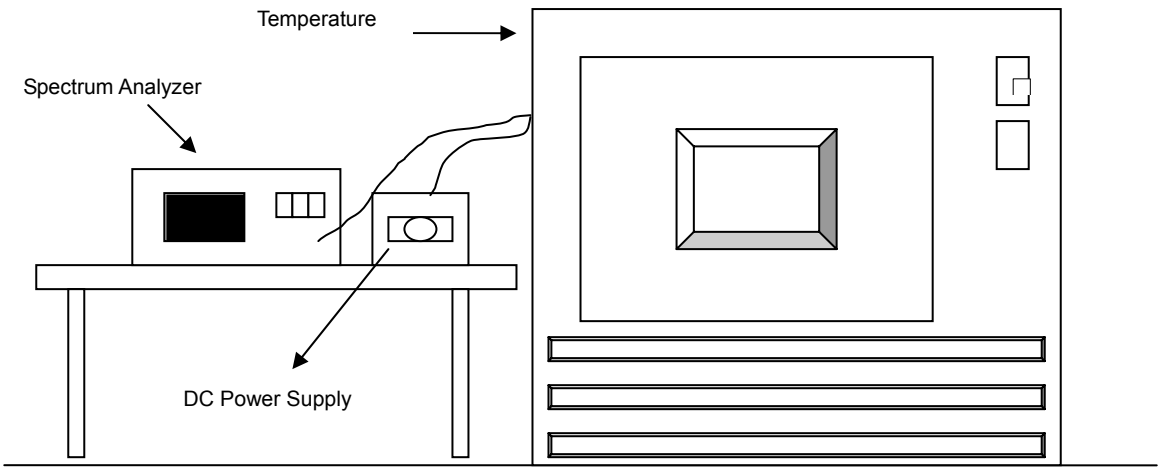
NOTE: Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer

4.6 FREQUENCY STABILITY

4.6.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

The frequency of the carrier signal shall be maintained within band of operation

4.6.2 TEST SETUP



4.6.3 TEST INSTRUMENTS

Refer to section 4.1.3 to get information of above instrument.

4.6.4 TEST PROCEDURE

a. The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.

b. Turn the EUT on and couple its output to a spectrum analyzer.

c. Turn the EUT off and set the chamber to the highest temperature specified.

d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.

e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.

f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.6.5 DEVIATION FROM TEST STANDARD

No deviation.

4.6.6 EUT OPERATING CONDITION

Set the EUT transmit at un-modulation mode to test frequency stability.

4.6.7 TEST RESULTS

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5200MHz									
TEMP. (℃)	POWER SUPPLY (Vdc)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)
50	110.0	5199.988460	-2.219	5199.988334	-2.243	5199.988460	-2.219	5199.988742	-2.165
40	110.0	5199.988519	-2.208	5199.988839	-2.146	5199.988410	-2.229	5199.988948	-2.125
30	110.0	5199.989838	-1.954	5199.990001	-1.923	5199.990135	-1.897	5199.990071	-1.909
20	110.0	5199.990813	-1.767	5199.991117	-1.708	5199.991022	-1.727	5199.990720	-1.785
10	110.0	5199.992558	-1.431	5199.992625	-1.418	5199.992363	-1.469	5199.992651	-1.413
0	110.0	5199.990742	-1.780	5199.991288	-1.675	5199.991050	-1.721	5199.990978	-1.735
-10	110.0	5199.990031	-1.917	5199.990078	-1.908	5199.990544	-1.818	5199.989874	-1.947
-20	110.0	5199.989065	-2.103	5199.988942	-2.127	5199.988954	-2.124	5199.989327	-2.052
-30	110.0	5199.987930	-2.321	5199.987929	-2.321	5199.988085	-2.291	5199.988035	-2.301

FREQUEMCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5200MHz									
TEMP. (℃)	POWER SUPPLY (Vdc)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)	Measured Frequency (MHz)	Frequency Drift (ppm)
20	93.5	5199.990247	-1.876	5199.990434	-1.840	5199.990182	-1.888	5199.989707	-1.979
	110.0	5199.991109	-1.710	5199.990829	-1.764	5199.990975	-1.736	5199.991172	-1.698
	126.5	5199.992308	-1.479	5199.992395	-1.462	5199.992840	-1.377	5199.992794	-1.386

5. PHOTOGRAPHS OF THE TEST CONFIGURATION

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

6. 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.

Copies of accreditation and authorization certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5.phtml. 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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Hsin Chu EMC/RF Lab
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Email: service.adt@tw.bureauveritas.com
Web Site: www.adt.com.tw

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

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

No modifications were made to the EUT by the lab during the test.

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