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FCC TEST REPORT (15.247)

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MODEL NO.: MRLBB-1003

FCC ID: RTP-MRLBB1003

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
Original release	NA	Dec. 08, 2010
RF990622C09-2 R1	Update brand and model of antenna	Jan. 26, 2011



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1. CERTIFICATION

PRODUCT: 802.11n Radio Module

MODEL: MRLBB-1003

BRAND: HP

APPLICANT: Hewlett-Packard Co

TEST SAMPLE: ENGINEERING SAMPLE

TESTED: Oct. 27 ~ Nov. 24, 2010

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

ANSI C63.4-2003

ANSI C63.10-2009

The above equipment (Model: MRLBB-1003) 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 : Ivy Lin , DATE: Jan. 26, 2011
Ivy Lin / Specialist

APPROVED BY : Gary Chang , DATE: Jan. 26, 2011
Gary Chang / Assistant Manager



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2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247)			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -9.14dB at 0.181MHz.
15.247(a)(2)	Spectrum Bandwidth of a Direct Sequence Spread Spectrum System Limit: min. 500kHz	PASS	Meet the requirement of limit.
15.247(b)	Maximum Output Power Limit: max. 30dBm	PASS	Meet the requirement of limit.
15.247(d)	Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit. Minimum passing margin is -0.1dB at 5725.00MHz.
15.247(e)	Power Spectral Density Limit: max. 8dBm	PASS	Meet the requirement of limit.
15.247(d)	Band Edge Measurement Limit: 20dB less than the peak value of fundamental frequency	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Antenna connectors are U.FL and Reverse SMA connectors.

2.1 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.34 dB
	200MHz ~1000MHz	3.35 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 $k = 2$.



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3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	802.11n Radio Module
MODEL NO.	MRLBB-1003
FCC ID	RTP-MRLBB1003
POWER SUPPLY	3.3Vdc
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
MODULATION TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11b: 11.0/ 5.5/ 2.0/ 1.0Mbps 802.11g: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 450.0Mbps
OPERATING FREQUENCY	2.4GHz: 2412 ~ 2462MHz 5.0GHz: 5745 ~ 5825MHz
NUMBER OF CHANNEL	2.4GHz: 11 for 802.11b, 802.11g, 802.11n (20MHz) 7 for 802.11n (40MHz) 5.0GHz: 5 for 802.11a, 802.11n (20MHz) 2 for 802.11n (40MHz)
OUTPUT POWER	732.0mW for 2412 ~ 2462MHz 286.7mW for 5745 ~ 5825MHz
ANTENNA TYPE	Refer to note for more details
ANTENNA CONNECTOR	Refer to note for more details
I/O PORTS	NA
DATA CABLE	NA
ACCESSORY DEVICES	NA



NOTE:

1. The EUT is an 802.11n Radio Module. The test data are separated into following test reports.

	ANT. NO.	TEST STANDARD	REFERENCE REPORT
WLAN 802.11b/g, 802.11n	1 ~ 5	FCC Part 15, Subpart C (Section 15.247)	RF990622C09-2
WLAN 802.11a, 802.11n (5745~5825 MHz)	1 ~ 5		
WLAN 802.11a, 802.11n (5180~5240MHz)	1, 4 & 5	FCC Part 15, Subpart E (Section 15.407)	RF990622C09-3

2. The EUT is a professional installation and with beam forming function.
3. The frequency bands used in this EUT are listed as follows:

Frequency Band (MHz)	2412~2462	5180~5240	5745~5825
802.11b	√		
802.11g	√		
802.11a		√	√
802.11n (20MHz)	√	√	√
802.11n (40MHz)	√	√	√

4. The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and three receivers or two completed transmitters and two receivers.

MODULATION MODE	TX FUNCTION
802.11b	3TX/ 2TX
802.11g	3TX/ 2TX
802.11a	3TX/ 2TX
802.11n (20MHz) (MCS 0-7)	3TX/ 2TX
802.11n (20MHz) (MCS 8-15)	3TX/ 2TX
802.11n (20MHz) (MCS 16-23)	3TX
802.11n (40MHz) (MCS 0-7)	3TX/ 2TX
802.11n (40MHz) (MCS 8-15)	3TX/ 2TX
802.11n (40MHz) (MCS 16-23)	3TX

5. There are five antennas provided to this EUT:

No.	Brand Name	Model Name	Antenna Gain (dBi)		Antenna Type	Antenna connector	Point to Point
			For 2.4GHz	For 5.0GHz			
1	WNC	5184-6684	5.41	7.02	PIFA	U.FL	-
2	HP	J9169A	8.00	10.70	Directional	Reverse SMA	Yes
3	HP	J9170A	10.90	13.50	Directional	Reverse SMA	Yes
4	HP	J9171A	3.00	4.00	Omni	Reverse SMA	-
5	HP	J9659A	2.00	2.00	Omni	Reverse SMA	-

6. The above EUT information was 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 2.4GHz:

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

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2422MHz	5	2442MHz
2	2427MHz	6	2447MHz
3	2432MHz	7	2452MHz
4	2437MHz		

FOR 5.0GHz (5745 ~ 5825MHz):

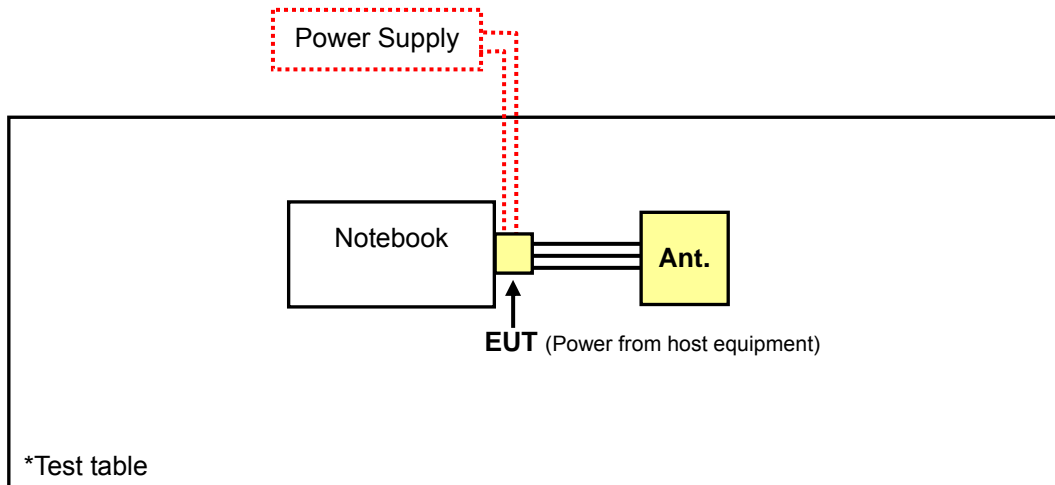
5 channels are provided for 802.11a, 802.11n (20MHz):

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
151	5755MHz	159	5795MHz

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST





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3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

FOR 2.4GHz:

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION	
	RE \geq 1G	RE<1G	PLC	APCM	ANT. MODEL	BEAM FORMING FUNCTION
A	1	√	√	√	Ant. 1 model: 5184-6684	Enabled
	2	√	√	√		Disabled
B	1	√	√	√	Ant. 2 model: J9169A	Enabled
	2	√	√	√		Disabled
C	1	√	√	√	Ant. 3 model: J9170A	Enabled
	2	√	√	√		Disabled
D	1	√	√	√	Ant. 4 model: J9171A	Enabled
	2	√	√	√		Disabled
E	1	√	√	√	Ant. 5 model: J9659A	Enabled
	2	√	√	√		Disabled

Where **RE \geq 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, data rates, antenna XYZ axis and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	ANT. AXIS
A 1, A 2,	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0	Z
B 1, B 2,	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0	Z
C 1, C2,	802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2	Z
D 1, D 2,	802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	15.0	Z
E 1, E 2							



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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, antenna XYZ axis and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	ANT. AXIS
A 1, A 2, B 1, B 2, C 1, C2, D 1, D 2, E 1, E 2	802.11n (20MHz)	1 to 11	6	OFDM	BPSK	7.2	Z

POWER LINE CONDUCTED EMISSION TEST:

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

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A 1, A 2, B 1, B 2, C 1, C2, D 1, D 2, E 1, E 2	802.11n (20MHz)	1 to 11	6	OFDM	BPSK	7.2

BANDEDGE MEASUREMENT:

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, antenna XYZ axis and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	ANT. AXIS
A 1, A 2, B 1, B 2, C 1, C2, D 1, D 2, E 1, E 2	802.11b	1 to 11	1, 11	DSSS	DBPSK	1.0	Z
	802.11g	1 to 11	1, 11	OFDM	BPSK	6.0	Z
	802.11n (20MHz)	1 to 11	1, 11	OFDM	BPSK	7.2	Z
	802.11n (40MHz)	1 to 7	1, 7	OFDM	BPSK	15.0	Z



ANTENNA PORT CONDUCTED MEASUREMENT:

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

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A 1, A 2, B 1, B 2, C 1, C2, D 1, D 2, E 1, E 2	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
	802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2
	802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	15.0



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TEST CONDITION:

APPLICABLE TO	EUT CONFIGURE MODE	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE\geq1G	A 1, A 2,	26deg. C, 66%RH, 1018hPa	120Vac, 60Hz	Brad Wu, Sun Lin
	B 1, B 2	25deg. C, 65%RH, 1013hPa	120Vac, 60Hz	Frank Wang
	C 1, C 2	26deg. C, 66%RH, 1018hPa	120Vac, 60Hz	Brad Wu
	D 1, D 2	25deg. C, 65%RH, 1016hPa	120Vac, 60Hz	Kevin Liang
	E 1, E 2	25deg. C, 65%RH, 1010hPa, 26deg. C, 66%RH, 1010hPa, 25deg. C, 68%RH, 1010hPa	120Vac, 60Hz	Mark Liao, Sun Lin
RE$<$1G	A 1, A 2,	26deg. C, 66%RH, 1014hPa	120Vac, 60Hz	Brad Wu
	B 1, B 2	26deg. C, 66%RH, 1016hPa	120Vac, 60Hz	Brad Wu
	C 1, C 2	26deg. C, 66%RH, 1014hPa	120Vac, 60Hz	Brad Wu
	D 1, D 2	26deg. C, 66%RH, 1019hPa	120Vac, 60Hz	Brad Wu
	E 1, E 2	26deg. C, 66%RH, 1016hPa	120Vac, 60Hz	Brad Wu
PLC	A 1	25deg. C, 65%RH, 1016hPa	120Vac, 60Hz	Frank Wang
	A 2	26deg. C, 65%RH, 1016hPa	120Vac, 60Hz	Frank Wang
	B 1	26deg. C, 65%RH, 1020hPa	120Vac, 60Hz	Frank Wang
	B 2	26deg. C, 63%RH, 1020hPa	120Vac, 60Hz	Frank Wang
	C 1, C 2	25deg. C, 65%RH, 1020hPa	120Vac, 60Hz	Frank Wang
	D 1, D 2	26deg. C, 63%RH, 1018hPa	120Vac, 60Hz	Frank Wang
	E 1, E 2	26deg. C, 63%RH, 1018hPa	120Vac, 60Hz	Frank Wang
APCM	A 1, A 2	26deg. C, 66%RH, 1014hPa	120Vac, 60Hz	Sun Lin
	B 1, B 2	26deg. C, 66%RH, 1013hPa	120Vac, 60Hz	Sun Lin
	C 1, C 2	23deg. C, 65%RH, 1018hPa	120Vac, 60Hz	Brad Wu
	D 1, D 2	26deg. C, 66%RH, 1015hPa	120Vac, 60Hz	Sun Lin
	E 1, E 2	26deg. C, 66%RH, 1018hPa	120Vac, 60Hz	Sun Lin



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FOR 5.745 ~ 5.825GHz:

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION	
	RE≥1G	RE<1G	PLC	APCM	ANT. MODEL	BEAM FORMING FUNCTION
A	1	√	√	√	Ant. 1 model: 5184-6684	Enabled
	2	√	√	√		Disabled
B	1	√	√	√	Ant. 2 model: J9169A	Enabled
	2	√	√	√		Disabled
C	1	√	√	√	Ant. 3 model: J9170A	Enabled
	2	√	√	√		Disabled
D	1	√	√	√	Ant. 4 model: J9171A	Enabled
	2	√	√	√		Disabled
E	1	√	√	√	Ant. 5 model: J9659A	Enabled
	2	√	√	√		Disabled

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, data rates, antenna XYZ axis and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	ANT. AXIS
A 1, A 2, B 1, B 2, C 1, C 2, D 1, D 2, E 1, E 2	802.11a	149 to 165	149, 157, 165	OFDM	BPSK	6.0	Z
	802.11n (20MHz)	149 to 165	149, 157, 165	OFDM	BPSK	7.2	Z
	802.11n (40MHz)	151 to 159	151, 159	OFDM	BPSK	15.0	Z



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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, antenna XYZ axis and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	ANT. AXIS
A 1	802.11a	149 to 165	149	OFDM	BPSK	6.0	Z
A 2	802.11n (20MHz)	149 to 165	149	OFDM	BPSK	7.2	Z
B 1, B 2	802.11n (20MHz)	149 to 165	149	OFDM	BPSK	7.2	Z
C 1, C 2	802.11a	149 to 165	149	OFDM	BPSK	6.0	Z
D 1, D 2	802.11n (20MHz)	149 to 165	157	OFDM	BPSK	7.2	Z
E 1, E 2	802.11n (20MHz)	149 to 165	149	OFDM	BPSK	7.2	Z

POWER LINE CONDUCTED EMISSION TEST:

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

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A 1	802.11a	149 to 165	149	OFDM	BPSK	6.0
A 2	802.11n (20MHz)	149 to 165	149	OFDM	BPSK	7.2
B 1, B 2	802.11n (20MHz)	149 to 165	149	OFDM	BPSK	7.2
C 1, C 2	802.11a	149 to 165	149	OFDM	BPSK	6.0
D 1, D 2	802.11n (20MHz)	149 to 165	157	OFDM	BPSK	7.2
E 1, E 2	802.11n (20MHz)	149 to 165	149	OFDM	BPSK	7.2



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BANDEDGE MEASUREMENT:

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, antenna XYZ axis and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	ANT. AXIS
A 1, A 2, B 1, B 2, C 1, C2, D 1, D 2, E 1, E 2	802.11a	149 to 165	149, 165	OFDM	BPSK	6.0	Z
	802.11n (20MHz)	149 to 165	149, 165	OFDM	BPSK	7.2	Z
	802.11n (40MHz)	151 to 159	151, 159	OFDM	BPSK	15.0	Z

ANTENNA PORT CONDUCTED MEASUREMENT:

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

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A 1, A 2, B 1, B 2, C 1, C2, D 1, D 2, E 1, E 2	802.11a	149 to 165	149, 157, 165	OFDM	BPSK	6.0
	802.11n (20MHz)	149 to 165	149, 157, 165	OFDM	BPSK	7.2
	802.11n (40MHz)	151 to 159	151, 159	OFDM	BPSK	15.0



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TEST CONDITION:

APPLICABLE TO	EUT CONFIGURE MODE	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE\geq1G	A 1, A 2	25deg. C, 68%RH, 1015hPa, 25deg. C, 65%RH, 1015hPa	120Vac, 60Hz	Sun Lin, Mark Liao
	B 1, B 2	25deg. C, 65%RH, 1013hPa	120Vac, 60Hz	Frank Wang, Brad Wu
	C 1, C 2	26deg. C, 66%RH, 1015hPa	120Vac, 60Hz	Brad Wu
	D 1, D 2	28deg. C, 68%RH, 1010hPa	120Vac, 60Hz	Sun Lin
	E 1, E 2	25deg. C, 68%RH, 1008hPa, 25deg. C, 65%RH, 1008hPa	120Vac, 60Hz	Sun Lin
RE$<$1G	A 1, A 2	26deg. C, 66%RH, 1018hPa	120Vac, 60Hz	Brad Wu
	B 1, B 2	26deg. C, 66%RH, 1013hPa	120Vac, 60Hz	Brad Wu
	C 1, C2	26deg. C, 66%RH, 1015hPa	120Vac, 60Hz	Brad Wu
	D 1, D 2	26deg. C, 66%RH, 1019hPa	120Vac, 60Hz	Brad Wu
	E 1, E 2	26deg. C, 66%RH, 1018hPa	120Vac, 60Hz	Brad Wu
PLC	A 1, A 2	26deg. C, 65%RH, 1016hPa	120Vac, 60Hz	Frank Wang
	B 1, B 2	26deg. C, 65%RH, 1020hPa	120Vac, 60Hz	Frank Wang
	C 1, C 2	25deg. C, 65%RH, 1015hPa	120Vac, 60Hz	Frank Wang
	D 1, D 2	26deg. C, 63%RH, 1018hPa	120Vac, 60Hz	Frank Wang
	E 1, E 2	26deg. C, 63%RH, 1018hPa	120Vac, 60Hz	Frank Wang
APCM	A 1, A 2	26deg. C, 66%RH, 1014hPa	120Vac, 60Hz	Sun Lin, Mark Liao
	B 1, B 2	26deg. C, 66%RH, 1013hPa	120Vac, 60Hz	Sun Lin
	C 1, C 2	23deg. C, 65%RH, 1015hPa	120Vac, 60Hz	Brad Wu
	D 1, D 2	26deg. C, 66%RH, 1015hPa	120Vac, 60Hz	Sun Lin
	E 1, E 2	26deg. C, 66%RH, 1012hPa	120Vac, 60Hz	Sun Lin



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3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC Part 15, Subpart C (15.247)

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	D820	21498926752	NA
2	DC POWER SUPPLY	TOP WARD	TF-6306A	727263	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	NA

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



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

4.1 RADIATED EMISSION 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.



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4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100188	Dec. 21, 2009	Dec. 20, 2010
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Dec. 31, 2009	Dec. 30, 2010
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Apr. 27, 2010	Apr. 26, 2011
HORN Antenna SCHWARZBECK	9120D	9120D-405	Feb. 03, 2010	Feb. 02, 2011
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Dec. 25, 2009	Dec. 24, 2010
Preamplifier Agilent	8447D	2944A10637	Dec. 10, 2009	Dec. 09, 2010
Preamplifier Agilent	8449B	3008A01922	Sep. 24, 2010	Sep. 23, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	238141/4	May 14, 2010	May 13, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	12738/6	May 14, 2010	May 13, 2011
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table ADT.	TT100.	TT93021703	NA	NA
Turn Table Controller ADT.	SC100.	SC93021703	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 3.
 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 988962.
 5. The IC Site Registration No. is IC 7450F-3.



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4.1.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. 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 lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

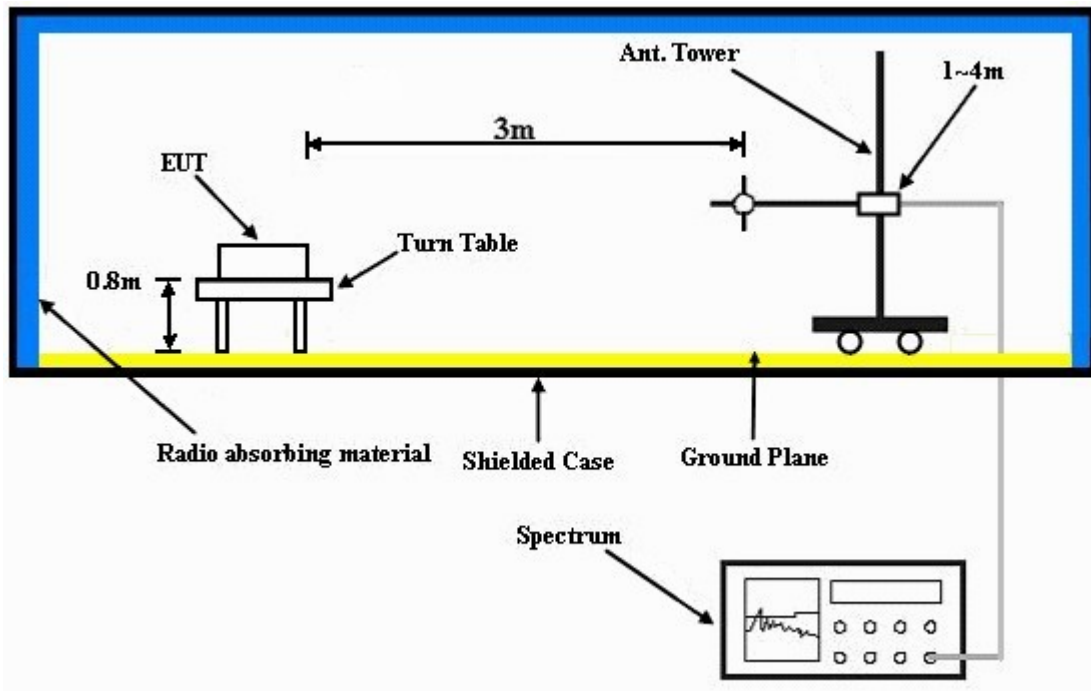
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



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

4.1.6 EUT OPERATING CONDITIONS

The notebook system ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.



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4.1.7 TEST RESULT (TEST MODE A 1)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2386.00	69.5 PK	74.0	-4.5	1.28 H	150	39.00	30.50
2	2386.00	52.1 AV	54.0	-1.9	1.28 H	150	21.60	30.50
3	*2412.00	112.1 PK			1.15 H	169	81.50	30.60
4	*2412.00	108.2 AV			1.25 H	169	77.60	30.60
5	4824.00	49.1 PK	74.0	-24.9	1.00 H	188	13.00	36.10
6	4824.00	43.5 AV	54.0	-10.5	1.00 H	188	7.40	36.10

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	2386.00	62.0 PK	74.0	-12.0	1.33 V	55	31.50	30.50
2	2386.00	46.1 AV	54.0	-7.9	1.33 V	55	15.60	30.50
3	*2412.00	108.2 PK			1.33 V	55	77.60	30.60
4	*2412.00	103.9 AV			1.33 V	55	73.30	30.60
5	4824.00	49.7 PK	74.0	-24.3	1.02 V	85	13.60	36.10
6	4824.00	45.3 AV	54.0	-8.7	1.02 V	85	9.20	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	112.5 PK			1.24 H	277	81.90	30.60
2	*2437.00	108.2 AV			1.24 H	277	77.60	30.60
3	4874.00	49.0 PK	74.0	-25.0	1.25 H	158	12.80	36.20
4	4874.00	44.4 AV	54.0	-9.6	1.25 H	158	8.20	36.20
5	7311.00	58.5 PK	74.0	-15.5	1.66 H	23	15.90	42.60
6	7311.00	52.3 AV	54.0	-1.7	1.66 H	23	9.70	42.60
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	*2437.00	108.6 PK			1.42 V	355	78.00	30.60
2	*2437.00	104.0 AV			1.42 V	355	73.40	30.60
3	4874.00	50.2 PK	74.0	-23.8	1.18 V	211	14.00	36.20
4	4874.00	44.7 AV	54.0	-9.3	1.18 V	211	8.50	36.20
5	7311.00	58.7 PK	74.0	-15.3	1.30 V	191	16.10	42.60
6	7311.00	52.5 AV	54.0	-1.5	1.30 V	191	9.90	42.60

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	111.4 PK			1.08 H	74	80.70	30.70
2	*2462.00	107.2 AV			1.08 H	74	76.50	30.70
3	2483.50	69.4 PK	74.0	-4.6	1.08 H	90	38.60	30.80
4	2483.50	50.7 AV	54.0	-3.3	1.08 H	90	19.90	30.80
5	4924.00	47.5 PK	74.0	-26.5	1.14 H	75	11.20	36.30
6	4924.00	41.8 AV	54.0	-12.2	1.14 H	75	5.50	36.30
7	7386.00	56.4 PK	74.0	-17.6	1.13 H	28	13.70	42.70
8	7386.00	48.7 AV	54.0	-5.3	1.13 H	28	6.00	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	107.7 PK			1.41 V	87	77.00	30.70
2	*2462.00	103.3 AV			1.41 V	87	72.60	30.70
3	2483.50	61.8 PK	74.0	-12.2	1.20 V	106	31.00	30.80
4	2483.50	45.8 AV	54.0	-8.2	1.20 V	106	15.00	30.80
5	4924.00	49.2 PK	74.0	-24.8	1.26 V	188	12.90	36.30
6	4924.00	44.5 AV	54.0	-9.5	1.26 V	188	8.20	36.30
7	7386.00	58.7 PK	74.0	-15.3	1.00 V	259	16.00	42.70
8	7386.00	52.5 AV	54.0	-1.5	1.00 V	259	9.80	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.2 PK	74.0	-1.8	1.05 H	100	41.70	30.50
2	2390.00	52.0 AV	54.0	-2.0	1.05 H	100	21.50	30.50
3	*2412.00	109.8 PK			1.05 H	100	79.20	30.60
4	*2412.00	97.1 AV			1.05 H	100	66.50	30.60
5	4824.00	44.5 PK	74.0	-29.5	1.35 H	67	8.40	36.10
6	4824.00	34.6 AV	54.0	-19.4	1.35 H	67	-1.50	36.10
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	2390.00	71.6 PK	74.0	-2.4	1.51 V	288	41.10	30.50
2	2390.00	51.0 AV	54.0	-3.0	1.51 V	288	20.50	30.50
3	*2412.00	106.4 PK			1.18 V	99	75.80	30.60
4	*2412.00	93.9 AV			1.18 V	99	63.30	30.60
5	4824.00	44.9 PK	74.0	-29.1	1.16 V	264	8.80	36.10
6	4824.00	33.8 AV	54.0	-20.2	1.16 V	264	-2.30	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	109.8 PK			1.04 H	133	79.20	30.60
2	*2437.00	97.7 AV			1.04 H	133	67.10	30.60
3	4874.00	45.8 PK	74.0	-28.2	1.45 H	338	9.60	36.20
4	4874.00	35.1 AV	54.0	-18.9	1.45 H	338	-1.10	36.20
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	*2437.00	106.4 PK			1.50 V	77	75.80	30.60
2	*2437.00	94.3 AV			1.50 V	77	63.70	30.60
3	4874.00	47.6 PK	74.0	-26.4	1.25 V	221	11.40	36.20
4	4874.00	36.5 AV	54.0	-17.5	1.25 V	221	0.30	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	110.1 PK			1.17 H	200	79.40	30.70
2	*2462.00	97.6 AV			1.17 H	200	66.90	30.70
3	2483.50	72.5 PK	74.0	-1.5	1.25 H	180	41.70	30.80
4	2483.50	52.5 AV	54.0	-1.5	1.22 H	180	21.70	30.80
5	4924.00	44.0 PK	74.0	-30.0	1.01 H	88	7.70	36.30
6	4924.00	34.1 AV	54.0	-19.9	1.01 H	88	-2.20	36.30
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	*2462.00	106.9 PK			1.24 V	270	76.20	30.70
2	*2462.00	94.2 AV			1.24 V	270	63.50	30.70
3	2483.50	72.0 PK	74.0	-2.0	1.05 V	360	41.20	30.80
4	2483.50	51.8 AV	54.0	-2.2	1.05 V	360	21.00	30.80
5	4924.00	47.0 PK	74.0	-27.0	1.39 V	15	10.70	36.30
6	4924.00	35.3 AV	54.0	-18.7	1.39 V	15	-1.00	36.30

- 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.



A D T

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.7 PK	74.0	-2.3	1.19 H	5	41.20	30.50
2	2390.00	50.5 AV	54.0	-3.5	1.19 H	5	20.00	30.50
3	*2412.00	109.8 PK			1.20 H	38	79.20	30.60
4	*2412.00	97.2 AV			1.20 H	38	66.60	30.60
5	4824.00	44.5 PK	74.0	-29.5	1.23 H	90	8.40	36.10
6	4824.00	34.4 AV	54.0	-19.6	1.23 H	90	-1.70	36.10
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	2390.00	70.5 PK	74.0	-3.5	1.40 V	85	40.00	30.50
2	2390.00	49.8 AV	54.0	-4.2	1.40 V	85	19.30	30.50
3	*2412.00	106.0 PK			1.35 V	114	75.40	30.60
4	*2412.00	93.8 AV			1.35 V	114	63.20	30.60
5	4824.00	44.9 PK	74.0	-29.1	1.50 V	288	8.80	36.10
6	4824.00	34.6 AV	54.0	-19.4	1.50 V	288	-1.50	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	110.0 PK			1.22 H	70	79.40	30.60
2	*2437.00	97.4 AV			1.22 H	70	66.80	30.60
3	4874.00	48.5 PK	74.0	-25.5	1.07 H	360	12.30	36.20
4	4874.00	35.6 AV	54.0	-18.4	1.07 H	360	-0.60	36.20
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	*2437.00	106.3 PK			1.22 V	145	75.70	30.60
2	*2437.00	94.2 AV			1.22 V	145	63.60	30.60
3	4874.00	49.0 PK	74.0	-25.0	1.11 V	266	12.80	36.20
4	4874.00	36.8 AV	54.0	-17.2	1.10 V	266	0.60	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	109.5 PK			1.08 H	155	78.80	30.70
2	*2462.00	97.1 AV			1.08 H	155	66.40	30.70
3	2483.50	72.0 PK	74.0	-2.0	1.10 H	100	41.20	30.80
4	2483.50	51.2 AV	54.0	-2.8	1.10 H	100	20.40	30.80
5	4924.00	44.1 PK	74.0	-29.9	1.52 H	337	7.80	36.30
6	4924.00	34.0 AV	54.0	-20.0	1.52 H	337	-2.30	36.30
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	*2462.00	106.1 PK			1.34 V	266	75.40	30.70
2	*2462.00	94.1 AV			1.34 V	266	63.40	30.70
3	2483.50	71.5 PK	74.0	-2.5	1.48 V	268	40.70	30.80
4	2483.50	51.6 AV	54.0	-2.4	1.48 V	268	20.80	30.80
5	4924.00	45.4 PK	74.0	-28.6	1.22 V	3	9.10	36.30
6	4924.00	35.4 AV	54.0	-18.6	1.22 V	3	-0.90	36.30

- 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.



A D T

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.0 PK	74.0	-2.0	1.95 H	140	41.50	30.50
2	2390.00	51.9 AV	54.0	-2.1	1.95 H	140	21.40	30.50
3	*2422.00	106.1 PK			1.81 H	138	75.50	30.60
4	*2422.00	92.8 AV			1.81 H	138	62.20	30.60
5	4844.00	43.7 PK	74.0	-30.3	1.40 H	65	7.50	36.20
6	4844.00	34.5 AV	54.0	-19.5	1.40 H	65	-1.70	36.20
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	2390.00	64.7 PK	74.0	-9.3	1.69 V	285	34.20	30.50
2	2390.00	47.5 AV	54.0	-6.5	1.69 V	285	17.00	30.50
3	*2422.00	101.9 PK			1.69 V	285	71.30	30.60
4	*2422.00	89.7 AV			1.69 V	285	59.10	30.60
5	4844.00	45.0 PK	74.0	-29.0	1.30 V	177	8.80	36.20
6	4844.00	35.5 AV	54.0	-18.5	1.30 V	177	-0.70	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1018 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	106.4 PK			1.59 H	205	75.80	30.60
2	*2437.00	93.0 AV			1.59 H	205	62.40	30.60
3	2483.50	72.5 PK	74.0	-1.5	1.59 H	205	41.70	30.80
4	2483.50	52.1 AV	54.0	-1.9	1.59 H	205	21.30	30.80
5	4874.00	43.9 PK	74.0	-30.1	1.25 H	45	7.70	36.20
6	4874.00	35.0 AV	54.0	-19.0	1.25 H	45	-1.20	36.20
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	*2437.00	102.2 PK			1.24 V	350	71.60	30.60
2	*2437.00	90.0 AV			1.24 V	350	59.40	30.60
3	2483.50	66.6 PK	74.0	-7.4	1.25 V	353	35.80	30.80
4	2483.50	49.0 AV	54.0	-5.0	1.25 V	353	18.20	30.80
5	4874.00	46.4 PK	74.0	-27.6	1.28 V	222	10.20	36.20
6	4874.00	36.5 AV	54.0	-17.5	1.28 V	222	0.30	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1018 hPa	TESTED BY	Frank Wang

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	*2452.00	105.8 PK			1.22 H	181	75.10	30.70
2	*2452.00	92.8 AV			1.22 H	181	62.10	30.70
3	2483.50	72.8 PK	74.0	-1.2	1.08 H	124	42.00	30.80
4	2483.50	51.9 AV	54.0	-2.1	1.08 H	124	21.10	30.80
5	4904.00	44.1 PK	74.0	-29.9	1.60 H	88	7.90	36.20
6	4904.00	35.0 AV	54.0	-19.0	1.60 H	88	-1.20	36.20
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	*2452.00	101.6 PK			1.39 V	202	70.90	30.70
2	*2452.00	89.5 AV			1.39 V	202	58.80	30.70
3	2483.50	64.8 PK	74.0	-9.2	1.40 V	85	34.00	30.80
4	2483.50	47.5 AV	54.0	-6.5	1.40 V	85	16.70	30.80
5	4904.00	45.0 PK	74.0	-29.0	1.55 V	101	8.80	36.20
6	4904.00	35.8 AV	54.0	-18.2	1.55 V	101	-0.40	36.20

- 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.



A D T

BELOW 1GHz WORST-CASE DATA : 802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1014 hPa	TESTED BY	Brad Wu

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	99.89	31.3 QP	43.5	-12.2	1.75 H	53	21.20	10.10
2	199.05	37.6 QP	43.5	-5.9	1.25 H	163	27.30	10.30
3	300.16	32.9 QP	46.0	-13.1	1.25 H	169	18.20	14.70
4	459.59	28.9 QP	46.0	-17.1	1.25 H	177	10.10	18.80
5	527.64	35.0 QP	46.0	-11.0	1.25 H	108	14.50	20.50
6	667.63	41.3 QP	46.0	-4.7	1.75 H	92	18.20	23.10
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	33.79	29.5 QP	40.0	-10.5	1.25 V	203	17.10	12.40
2	199.05	32.0 QP	43.5	-11.5	1.75 V	200	21.70	10.30
3	333.21	28.7 QP	46.0	-17.3	1.75 V	63	13.20	15.50
4	467.36	29.2 QP	46.0	-16.8	1.75 V	61	10.20	19.00
5	665.68	38.6 QP	46.0	-7.4	1.25 V	104	15.50	23.10
6	924.27	36.3 QP	46.0	-9.7	1.25 V	77	10.00	26.30

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.



A D T

4.1.8 TEST RESULT (TEST MODE A 2)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2386.00	69.8 PK	74.0	-4.2	1.32 H	262	39.30	30.50
2	2386.00	52.3 AV	54.0	-1.7	1.32 H	262	21.80	30.50
3	*2412.00	112.5 PK			1.22 H	257	81.90	30.60
4	*2412.00	108.4 AV			1.22 H	257	77.80	30.60
5	4824.00	49.3 PK	74.0	-24.7	1.01 H	209	13.20	36.10
6	4824.00	44.0 AV	54.0	-10.0	1.01 H	209	7.90	36.10
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	2386.00	62.4 PK	74.0	-11.6	1.58 V	186	31.90	30.50
2	2386.00	46.4 AV	54.0	-7.6	1.58 V	186	15.90	30.50
3	*2412.00	108.6 PK			1.58 V	186	78.00	30.60
4	*2412.00	104.2 AV			1.58 V	186	73.60	30.60
5	4824.00	49.9 PK	74.0	-24.1	1.07 V	167	13.80	36.10
6	4824.00	45.6 AV	54.0	-8.4	1.07 V	167	9.50	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	112.8 PK			1.71 H	89	82.20	30.60
2	*2437.00	108.6 AV			1.71 H	89	78.00	30.60
3	4874.00	49.2 PK	74.0	-24.8	1.67 H	346	13.00	36.20
4	4874.00	44.7 AV	54.0	-9.3	1.67 H	346	8.50	36.20
5	7311.00	58.7 PK	74.0	-15.3	1.56 H	319	16.10	42.60
6	7311.00	52.6 AV	54.0	-1.4	1.56 H	319	10.00	42.60
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	*2437.00	109.0 PK			1.78 V	6	78.40	30.60
2	*2437.00	104.8 AV			1.78 V	6	74.20	30.60
3	4874.00	50.2 PK	74.0	-23.8	1.70 V	158	14.00	36.20
4	4874.00	45.1 AV	54.0	-8.9	1.70 V	158	8.90	36.20
5	7311.00	59.1 PK	74.0	-14.9	1.29 V	24	16.50	42.60
6	7311.00	53.0 AV	54.0	-1.0	1.29 V	24	10.40	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	111.9 PK			1.43 H	308	81.20	30.70
2	*2462.00	107.6 AV			1.43 H	308	76.90	30.70
3	2483.50	69.7 PK	74.0	-4.3	1.42 H	300	38.90	30.80
4	2483.50	51.2 AV	54.0	-2.8	1.42 H	300	20.40	30.80
5	4924.00	48.1 PK	74.0	-25.9	1.58 H	264	11.80	36.30
6	4924.00	42.1 AV	54.0	-11.9	1.58 H	264	5.80	36.30
7	7386.00	56.6 PK	74.0	-17.4	1.26 H	305	13.90	42.70
8	7386.00	49.0 AV	54.0	-5.0	1.26 H	305	6.30	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	108.1 PK			1.77 V	169	77.40	30.70
2	*2462.00	103.7 AV			1.77 V	169	73.00	30.70
3	2483.50	62.2 PK	74.0	-11.8	1.63 V	207	31.40	30.80
4	2483.50	46.1 AV	54.0	-7.9	1.63 V	207	15.30	30.80
5	4924.00	49.4 PK	74.0	-24.6	1.18 V	173	13.10	36.30
6	4924.00	45.0 AV	54.0	-9.0	1.18 V	173	8.70	36.30
7	7386.00	59.1 PK	74.0	-14.9	1.00 V	28	16.40	42.70
8	7386.00	52.9 AV	54.0	-1.1	1.00 V	28	10.20	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.8 PK	74.0	-1.2	1.18 H	280	42.30	30.50
2	2390.00	52.2 AV	54.0	-1.8	1.18 H	280	21.70	30.50
3	*2412.00	110.1 PK			1.18 H	288	79.50	30.60
4	*2412.00	97.5 AV			1.18 H	288	66.90	30.60
5	4824.00	44.9 PK	74.0	-29.1	1.43 H	201	8.80	36.10
6	4824.00	34.8 AV	54.0	-19.2	1.43 H	201	-1.30	36.10
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	2390.00	72.0 PK	74.0	-2.0	1.77 V	351	41.50	30.50
2	2390.00	51.2 AV	54.0	-2.8	1.77 V	351	20.70	30.50
3	*2412.00	106.8 PK			1.18 V	343	76.20	30.60
4	*2412.00	94.3 AV			1.18 V	343	63.70	30.60
5	4824.00	45.2 PK	74.0	-28.8	1.57 V	161	9.10	36.10
6	4824.00	34.0 AV	54.0	-20.0	1.57 V	161	-2.10	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	110.3 PK			1.17 H	280	79.70	30.60
2	*2437.00	97.7 AV			1.17 H	280	67.10	30.60
3	4874.00	46.4 PK	74.0	-27.6	1.52 H	271	10.20	36.20
4	4874.00	35.3 AV	54.0	-18.7	1.52 H	271	-0.90	36.20
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	*2437.00	106.9 PK			1.68 V	301	76.30	30.60
2	*2437.00	94.5 AV			1.68 V	301	63.90	30.60
3	4874.00	48.0 PK	74.0	-26.0	1.07 V	199	11.80	36.20
4	4874.00	36.8 AV	54.0	-17.2	1.07 V	199	0.60	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	110.5 PK			1.14 H	281	79.80	30.70
2	*2462.00	97.9 AV			1.14 H	281	67.20	30.70
3	2483.50	72.9 PK	74.0	-1.1	1.22 H	262	42.10	30.80
4	2483.50	53.0 AV	54.0	-1.0	1.22 H	262	22.20	30.80
5	4924.00	44.3 PK	74.0	-29.7	1.05 H	168	8.00	36.30
6	4924.00	34.5 AV	54.0	-19.5	1.05 H	168	-1.80	36.30
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	*2462.00	107.2 PK			1.08 V	15	76.50	30.70
2	*2462.00	94.7 AV			1.08 V	15	64.00	30.70
3	2483.50	72.3 PK	74.0	-1.7	1.28 V	7	41.50	30.80
4	2483.50	52.0 AV	54.0	-2.0	1.28 V	7	21.20	30.80
5	4924.00	47.2 PK	74.0	-26.8	1.37 V	267	10.90	36.30
6	4924.00	35.8 AV	54.0	-18.2	1.37 V	267	-0.50	36.30

- 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.



A D T

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	73.0 PK	74.0	-1.0	1.23 H	259	42.50	30.50
2	2390.00	51.9 AV	54.0	-2.1	1.23 H	259	21.40	30.50
3	*2412.00	112.0 PK			1.39 H	277	81.40	30.60
4	*2412.00	99.5 AV			1.39 H	277	68.90	30.60
5	4824.00	44.7 PK	74.0	-29.3	1.28 H	271	8.60	36.10
6	4824.00	34.7 AV	54.0	-19.3	1.28 H	271	-1.40	36.10
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	2390.00	72.0 PK	74.0	-2.0	1.53 V	164	41.50	30.50
2	2390.00	51.1 AV	54.0	-2.9	1.53 V	164	20.60	30.50
3	*2412.00	108.4 PK			1.43 V	288	77.80	30.60
4	*2412.00	96.3 AV			1.43 V	288	65.70	30.60
5	4824.00	45.3 PK	74.0	-28.7	1.47 V	123	9.20	36.10
6	4824.00	34.9 AV	54.0	-19.1	1.47 V	123	-1.20	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	117.1 PK			1.28 H	271	86.50	30.60
2	*2437.00	104.3 AV			1.28 H	271	73.70	30.60
3	2483.50	72.6 PK	74.0	-1.4	1.15 H	256	41.80	30.80
4	2483.50	52.5 AV	54.0	-1.5	1.15 H	256	21.70	30.80
5	4874.00	48.9 PK	74.0	-25.1	1.18 H	163	12.70	36.20
6	4874.00	36.1 AV	54.0	-17.9	1.18 H	163	-0.10	36.20
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	*2437.00	113.6 PK			1.68 V	25	83.00	30.60
2	*2437.00	101.4 AV			1.68 V	25	70.80	30.60
3	2483.50	72.5 PK	74.0	-1.5	1.58 V	77	41.70	30.80
4	2483.50	52.2 AV	54.0	-1.8	1.58 V	77	21.40	30.80
5	4874.00	49.4 PK	74.0	-24.6	1.08 V	98	13.20	36.20
6	4874.00	37.2 AV	54.0	-16.8	1.08 V	98	1.00	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	109.9 PK			1.12 H	276	79.20	30.70
2	*2462.00	97.4 AV			1.12 H	276	66.70	30.70
3	2483.50	72.6 PK	74.0	-1.4	1.14 H	261	41.80	30.80
4	2483.50	51.5 AV	54.0	-2.5	1.14 H	261	20.70	30.80
5	4924.00	44.5 PK	74.0	-29.5	1.28 H	47	8.20	36.30
6	4924.00	34.3 AV	54.0	-19.7	1.28 H	47	-2.00	36.30
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	*2462.00	106.7 PK			1.43 V	322	76.00	30.70
2	*2462.00	94.4 AV			1.43 V	322	63.70	30.70
3	2483.50	72.0 PK	74.0	-2.0	1.56 V	352	41.20	30.80
4	2483.50	51.9 AV	54.0	-2.1	1.56 V	352	21.10	30.80
5	4924.00	45.9 PK	74.0	-28.1	1.32 V	105	9.60	36.30
6	4924.00	35.8 AV	54.0	-18.2	1.32 V	105	-0.50	36.30

- 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.



A D T

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.4 PK	74.0	-1.6	2.11 H	280	41.90	30.50
2	2390.00	52.2 AV	54.0	-1.8	2.11 H	280	21.70	30.50
3	*2422.00	106.5 PK			2.14 H	278	75.90	30.60
4	*2422.00	93.1 AV			2.14 H	278	62.50	30.60
5	4844.00	44.1 PK	74.0	-29.9	1.22 H	323	7.90	36.20
6	4844.00	35.0 AV	54.0	-19.0	1.22 H	323	-1.20	36.20
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	2390.00	65.2 PK	74.0	-8.8	1.77 V	7	34.70	30.50
2	2390.00	48.1 AV	54.0	-5.9	1.77 V	7	17.60	30.50
3	*2422.00	102.2 PK			1.77 V	7	71.60	30.60
4	*2422.00	90.0 AV			1.77 V	7	59.40	30.60
5	4844.00	45.2 PK	74.0	-28.8	1.28 V	63	9.00	36.20
6	4844.00	35.8 AV	54.0	-18.2	1.28 V	63	-0.40	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	106.9 PK			1.71 H	131	76.30	30.60
2	*2437.00	94.4 AV			1.71 H	131	63.80	30.60
3	2483.50	72.7 PK	74.0	-1.3	1.73 H	133	41.90	30.80
4	2483.50	52.4 AV	54.0	-1.6	1.73 H	133	21.60	30.80
5	4874.00	44.3 PK	74.0	-29.7	1.43 H	283	8.10	36.20
6	4874.00	35.2 AV	54.0	-18.8	1.43 H	283	-1.00	36.20
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	*2437.00	103.5 PK			1.08 V	177	72.90	30.60
2	*2437.00	91.3 AV			1.08 V	177	60.70	30.60
3	2483.50	66.9 PK	74.0	-7.1	1.03 V	189	36.10	30.80
4	2483.50	49.2 AV	54.0	-4.8	1.03 V	189	18.40	30.80
5	4874.00	46.8 PK	74.0	-27.2	1.32 V	57	10.60	36.20
6	4874.00	36.7 AV	54.0	-17.3	1.32 V	57	0.50	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	105.4 PK			1.03 H	160	74.70	30.70
2	*2452.00	93.1 AV			1.03 H	160	62.40	30.70
3	2483.50	73.0 PK	74.0	-1.0	1.00 H	161	42.20	30.80
4	2483.50	52.3 AV	54.0	-1.7	1.00 H	161	21.50	30.80
5	4904.00	44.3 PK	74.0	-29.7	1.52 H	198	8.10	36.20
6	4904.00	35.3 AV	54.0	-18.7	1.52 H	198	-0.90	36.20
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	*2452.00	102.3 PK			1.59 V	347	71.60	30.70
2	*2452.00	90.1 AV			1.59 V	347	59.40	30.70
3	2483.50	65.0 PK	74.0	-9.0	1.78 V	176	34.20	30.80
4	2483.50	47.8 AV	54.0	-6.2	1.78 V	176	17.00	30.80
5	4904.00	45.3 PK	74.0	-28.7	1.23 V	61	9.10	36.20
6	4904.00	36.0 AV	54.0	-18.0	1.23 V	61	-0.20	36.20

- 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.



A D T

BELOW 1GHz WORST-CASE DATA : 802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1014 hPa	TESTED BY	Brad Wu

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	99.89	32.4 QP	43.5	-11.1	2.00 H	19	22.30	10.10
2	199.05	38.6 QP	43.5	-4.9	1.50 H	187	28.30	10.30
3	527.64	33.5 QP	46.0	-12.5	1.50 H	97	13.00	20.50
4	667.63	40.4 QP	46.0	-5.6	2.00 H	79	17.30	23.10
5	797.89	30.7 QP	46.0	-15.3	1.00 H	205	6.10	24.60
6	924.27	32.7 QP	46.0	-13.3	1.50 H	340	6.40	26.30
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	33.79	28.9 QP	40.0	-11.1	1.00 V	166	16.50	12.40
2	199.05	32.6 QP	43.5	-10.9	2.00 V	142	22.30	10.30
3	529.58	32.0 QP	46.0	-14.0	2.00 V	148	11.50	20.50
4	665.68	39.2 QP	46.0	-6.8	1.00 V	133	16.10	23.10
5	850.39	29.4 QP	46.0	-16.6	1.00 V	10	4.20	25.20
6	924.27	35.8 QP	46.0	-10.2	1.00 V	10	9.50	26.30

- 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.



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4.1.9 TEST RESULT (TEST MODE B 1)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.8 PK	74.0	-5.2	1.11 H	91	38.30	30.50
2	2390.00	48.5 AV	54.0	-5.5	1.11 H	91	18.00	30.50
3	*2412.00	111.6 PK			1.06 H	44	81.00	30.60
4	*2412.00	107.3 AV			1.06 H	44	76.70	30.60
5	4824.00	48.7 PK	74.0	-25.3	1.09 H	163	12.60	36.10
6	4824.00	41.8 AV	54.0	-12.2	1.09 H	163	5.70	36.10
7	#7236.00	54.5 PK	91.6	-37.1	1.04 H	331	12.10	42.40
8	#7236.00	45.3 AV	87.3	-42.0	1.04 H	331	2.90	42.40
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	2390.00	72.6 PK	74.0	-1.4	1.28 V	163	42.10	30.50
2	2390.00	50.2 AV	54.0	-3.8	1.28 V	163	19.70	30.50
3	*2412.00	114.8 PK			1.18 V	310	84.20	30.60
4	*2412.00	110.7 AV			1.18 V	310	80.10	30.60
5	4824.00	48.9 PK	74.0	-25.1	1.19 V	140	12.80	36.10
6	4824.00	42.1 AV	54.0	-11.9	1.19 V	140	6.00	36.10
7	#7236.00	55.1 PK	94.8	-39.7	1.02 V	285	12.70	42.40
8	#7236.00	47.1 AV	90.7	-43.6	1.02 V	285	4.70	42.40

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	115.6 PK			1.15 H	69	85.00	30.60
2	*2437.00	111.9 AV			1.15 H	69	81.30	30.60
3	4874.00	54.8 PK	74.0	-19.2	1.03 H	158	18.60	36.20
4	4874.00	51.9 AV	54.0	-2.1	1.03 H	158	15.70	36.20
5	7311.00	56.4 PK	74.0	-17.6	1.13 H	252	13.80	42.60
6	7311.00	49.5 AV	54.0	-4.5	1.13 H	252	6.90	42.60
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	*2437.00	118.7 PK			1.19 V	281	88.10	30.60
2	*2437.00	114.6 AV			1.19 V	281	84.00	30.60
3	4874.00	55.3 PK	74.0	-18.7	1.44 V	283	19.10	36.20
4	4874.00	52.5 AV	54.0	-1.5	1.44 V	283	16.30	36.20
5	7311.00	57.9 PK	74.0	-16.1	1.23 V	29	15.30	42.60
6	7311.00	51.2 AV	54.0	-2.8	1.23 V	29	8.60	42.60

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	109.6 PK			1.15 H	332	78.90	30.70
2	*2462.00	105.2 AV			1.15 H	332	74.50	30.70
3	2483.50	68.4 PK	74.0	-5.6	1.10 H	320	37.60	30.80
4	2483.50	47.3 AV	54.0	-6.7	1.10 H	320	16.50	30.80
5	4924.00	46.7 PK	74.0	-27.3	1.02 H	177	10.40	36.30
6	4924.00	36.2 AV	54.0	-17.8	1.02 H	177	-0.10	36.30
7	7386.00	50.3 PK	74.0	-23.7	1.42 H	292	7.60	42.70
8	7386.00	37.3 AV	54.0	-16.7	1.42 H	292	-5.40	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.1 PK			1.06 V	211	82.40	30.70
2	*2462.00	109.4 AV			1.06 V	211	78.70	30.70
3	2483.50	72.6 PK	74.0	-1.4	1.16 V	341	41.80	30.80
4	2483.50	48.8 AV	54.0	-5.2	1.16 V	341	18.00	30.80
5	4924.00	45.8 PK	74.0	-28.2	1.17 V	289	9.50	36.30
6	4924.00	35.1 AV	54.0	-18.9	1.17 V	289	-1.20	36.30
7	7386.00	50.4 PK	74.0	-23.6	1.55 V	233	7.70	42.70
8	7386.00	38.5 AV	54.0	-15.5	1.55 V	233	-4.20	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.3 PK	74.0	-3.7	1.02 H	331	39.80	30.50
2	2390.00	50.1 AV	54.0	-3.9	1.02 H	331	19.60	30.50
3	*2412.00	111.3 PK			1.19 H	310	80.70	30.60
4	*2412.00	98.3 AV			1.19 H	310	67.70	30.60
5	4824.00	45.8 PK	74.0	-28.2	1.49 H	281	9.70	36.10
6	4824.00	29.7 AV	54.0	-24.3	1.49 H	281	-6.40	36.10
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	2390.00	72.0 PK	74.0	-2.0	1.02 V	244	41.50	30.50
2	2390.00	52.4 AV	54.0	-1.6	1.02 V	244	21.90	30.50
3	*2412.00	114.2 PK			1.12 V	335	83.60	30.60
4	*2412.00	102.1 AV			1.12 V	335	71.50	30.60
5	4824.00	45.7 PK	74.0	-28.3	1.11 V	153	9.60	36.10
6	4824.00	31.3 AV	54.0	-22.7	1.11 V	153	-4.80	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	114.5 PK			1.16 H	310	83.90	30.60
2	*2437.00	101.1 AV			1.16 H	310	70.50	30.60
3	4874.00	46.4 PK	74.0	-27.6	1.16 H	288	10.20	36.20
4	4874.00	31.7 AV	54.0	-22.3	1.16 H	288	-4.50	36.20
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	*2437.00	117.1 PK			1.12 V	312	86.50	30.60
2	*2437.00	104.5 AV			1.12 V	312	73.90	30.60
3	4874.00	48.3 PK	74.0	-25.7	1.20 V	288	12.10	36.20
4	4874.00	31.7 AV	54.0	-22.3	1.20 V	288	-4.50	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	110.8 PK			1.13 H	25	80.10	30.70
2	*2462.00	98.0 AV			1.13 H	25	67.30	30.70
3	2483.50	71.2 PK	74.0	-2.8	1.12 H	52	40.40	30.80
4	2483.50	49.2 AV	54.0	-4.8	1.12 H	52	18.40	30.80
5	4924.00	44.1 PK	74.0	-29.9	1.12 H	253	7.80	36.30
6	4924.00	29.8 AV	54.0	-24.2	1.12 H	253	-6.50	36.30
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	*2462.00	113.8 PK			1.18 V	350	83.10	30.70
2	*2462.00	101.7 AV			1.18 V	350	71.00	30.70
3	2483.50	72.5 PK	74.0	-1.5	1.05 V	351	41.70	30.80
4	2483.50	50.1 AV	54.0	-3.9	1.05 V	351	19.30	30.80
5	4924.00	46.1 PK	74.0	-27.9	1.19 V	325	9.80	36.30
6	4924.00	30.6 AV	54.0	-23.4	1.19 V	325	-5.70	36.30

- 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.



A D T

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.4 PK	74.0	-1.6	1.19 H	52	41.90	30.50
2	2390.00	49.7 AV	54.0	-4.3	1.19 H	52	19.20	30.50
3	*2412.00	110.5 PK			1.09 H	69	79.90	30.60
4	*2412.00	98.1 AV			1.09 H	69	67.50	30.60
5	4824.00	44.7 PK	74.0	-29.3	1.19 H	163	8.60	36.10
6	4824.00	30.1 AV	54.0	-23.9	1.19 H	163	-6.00	36.10

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	2390.00	72.5 PK	74.0	-1.5	1.20 V	310	42.00	30.50
2	2390.00	51.3 AV	54.0	-2.7	1.20 V	310	20.80	30.50
3	*2412.00	113.5 PK			1.16 V	310	82.90	30.60
4	*2412.00	101.2 AV			1.16 V	310	70.60	30.60
5	4824.00	45.3 PK	74.0	-28.7	1.22 V	283	9.20	36.10
6	4824.00	30.4 AV	54.0	-23.6	1.22 V	283	-5.70	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	112.6 PK			1.17 H	45	82.00	30.60
2	*2437.00	100.1 AV			1.17 H	45	69.50	30.60
3	4874.00	52.2 PK	74.0	-21.8	1.45 H	281	16.00	36.20
4	4874.00	34.7 AV	54.0	-19.3	1.45 H	281	-1.50	36.20
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	*2437.00	115.4 PK			1.10 V	285	84.80	30.60
2	*2437.00	103.1 AV			1.10 V	285	72.50	30.60
3	4874.00	50.4 PK	74.0	-23.6	1.18 V	158	14.20	36.20
4	4874.00	34.1 AV	54.0	-19.9	1.18 V	158	-2.10	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	110.7 PK			1.05 H	13	80.00	30.70
2	*2462.00	97.8 AV			1.05 H	13	67.10	30.70
3	2483.50	71.4 PK	74.0	-2.6	1.15 H	36	40.60	30.80
4	2483.50	50.4 AV	54.0	-3.6	1.15 H	36	19.60	30.80
5	4924.00	44.7 PK	74.0	-29.3	1.02 H	144	8.40	36.30
6	4924.00	29.8 AV	54.0	-24.2	1.02 H	144	-6.50	36.30
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	*2462.00	113.4 PK			1.16 V	310	82.70	30.70
2	*2462.00	101.1 AV			1.16 V	310	70.40	30.70
3	2483.50	72.2 PK	74.0	-1.8	1.21 V	93	41.40	30.80
4	2483.50	50.8 AV	54.0	-3.2	1.21 V	93	20.00	30.80
5	4924.00	46.0 PK	74.0	-28.0	1.18 V	202	9.70	36.30
6	4924.00	30.1 AV	54.0	-23.9	1.18 V	202	-6.20	36.30

- 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.



A D T

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.1 PK	74.0	-3.9	1.19 H	27	39.60	30.50
2	2390.00	50.2 AV	54.0	-3.8	1.19 H	27	19.70	30.50
3	*2422.00	105.1 PK			1.19 H	27	74.50	30.60
4	*2422.00	93.1 AV			1.19 H	27	62.50	30.60
5	4844.00	43.4 PK	74.0	-30.6	1.28 H	101	7.20	36.20
6	4844.00	29.2 AV	54.0	-24.8	1.28 H	101	-7.00	36.20
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	2390.00	70.4 PK	74.0	-3.6	1.22 V	241	39.90	30.50
2	2390.00	52.4 AV	54.0	-1.6	1.22 V	241	21.90	30.50
3	*2422.00	108.1 PK			1.08 V	312	77.50	30.60
4	*2422.00	95.1 AV			1.08 V	312	64.50	30.60
5	4844.00	45.2 PK	74.0	-28.8	1.19 V	258	9.00	36.20
6	4844.00	30.1 AV	54.0	-23.9	1.19 V	258	-6.10	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.1 PK	74.0	-6.9	1.16 H	82	36.60	30.50
2	2390.00	49.5 AV	54.0	-4.5	1.16 H	82	19.00	30.50
3	*2437.00	105.3 PK			1.15 H	12	74.70	30.60
4	*2437.00	91.6 AV			1.15 H	12	61.00	30.60
5	2483.50	69.1 PK	74.0	-4.9	1.19 H	47	38.30	30.80
6	2483.50	50.0 AV	54.0	-4.0	1.19 H	47	19.20	30.80
7	4874.00	43.8 PK	74.0	-30.2	1.18 H	150	7.60	36.20
8	4874.00	29.9 AV	54.0	-24.1	1.18 H	150	-6.30	36.20
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	2390.00	69.7 PK	74.0	-4.3	1.10 V	241	39.20	30.50
2	2390.00	51.8 AV	54.0	-2.2	1.10 V	241	21.30	30.50
3	*2437.00	110.2 PK			1.14 V	288	79.60	30.60
4	*2437.00	97.4 AV			1.14 V	288	66.80	30.60
5	2483.50	71.8 PK	74.0	-2.2	1.19 V	39	41.00	30.80
6	2483.50	52.6 AV	54.0	-1.4	1.19 V	39	21.80	30.80
7	4874.00	46.8 PK	74.0	-27.2	1.19 V	163	10.60	36.20
8	4874.00	31.2 AV	54.0	-22.8	1.19 V	163	-5.00	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	*2452.00	104.8 PK			1.06 H	28	74.10	30.70
2	*2452.00	92.7 AV			1.06 H	28	62.00	30.70
3	2483.50	69.5 PK	74.0	-4.5	1.02 H	312	38.70	30.80
4	2483.50	50.0 AV	54.0	-4.0	1.02 H	312	19.20	30.80
5	4904.00	46.2 PK	74.0	-27.8	1.12 H	152	10.00	36.20
6	4904.00	30.4 AV	54.0	-23.6	1.12 H	152	-5.80	36.20

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	*2452.00	107.8 PK			1.11 V	299	77.10	30.70
2	*2452.00	95.0 AV			1.11 V	299	64.30	30.70
3	2483.50	72.4 PK	74.0	-1.6	1.03 V	301	41.60	30.80
4	2483.50	51.1 AV	54.0	-2.9	1.03 V	301	20.30	30.80
5	4904.00	45.1 PK	74.0	-28.9	1.28 V	358	8.90	36.20
6	4904.00	31.3 AV	54.0	-22.7	1.28 V	358	-4.90	36.20

- 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.



A D T

BELOW 1GHz WORST-CASE DATA : 802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1016 hPa	TESTED BY	Brad Wu

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	86.28	36.0 QP	40.0	-4.0	1.75 H	63	27.20	8.80
2	232.11	35.7 QP	46.0	-10.3	1.75 H	182	23.80	11.90
3	263.21	38.3 QP	46.0	-7.7	1.25 H	107	25.00	13.30
4	300.16	38.5 QP	46.0	-7.5	1.25 H	217	23.80	14.70
5	498.47	37.0 QP	46.0	-9.0	1.25 H	227	17.20	19.80
6	751.23	37.7 QP	46.0	-8.3	1.25 H	147	13.60	24.10
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	30.00	31.3 QP	40.0	-8.7	1.25 V	203	18.80	12.50
2	201.00	34.2 QP	43.5	-9.3	1.75 V	235	23.90	10.30
3	300.16	32.4 QP	46.0	-13.6	1.25 V	208	17.70	14.70
4	500.42	31.5 QP	46.0	-14.5	1.25 V	103	11.70	19.80
5	700.68	32.8 QP	46.0	-13.2	1.25 V	293	9.20	23.60
6	745.40	34.5 QP	46.0	-11.5	1.75 V	265	10.50	24.00

- 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.



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4.1.10 TEST RESULT (TEST MODE B 2)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.1 PK	74.0	-4.9	1.13 H	2	38.60	30.50
2	2390.00	48.8 AV	54.0	-5.2	1.13 H	2	18.30	30.50
3	*2412.00	112.1 PK			1.14 H	2	81.50	30.60
4	*2412.00	107.8 AV			1.14 H	2	77.20	30.60
5	4824.00	49.1 PK	74.0	-24.9	1.03 H	181	13.00	36.10
6	4824.00	42.1 AV	54.0	-11.9	1.03 H	181	6.00	36.10
7	#7236.00	54.8 PK	92.1	-37.3	1.06 H	347	12.40	42.40
8	#7236.00	45.7 AV	87.8	-42.1	1.06 H	347	3.30	42.40

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	2390.00	72.9 PK	74.0	-1.1	1.17 V	354	42.40	30.50
2	2390.00	50.6 AV	54.0	-3.4	1.17 V	354	20.10	30.50
3	*2412.00	115.2 PK			1.14 V	325	84.60	30.60
4	*2412.00	111.1 AV			1.14 V	325	80.50	30.60
5	4824.00	49.3 PK	74.0	-24.7	1.13 V	198	13.20	36.10
6	4824.00	42.5 AV	54.0	-11.5	1.13 V	198	6.40	36.10
7	#7236.00	55.6 PK	95.2	-39.6	1.12 V	347	13.20	42.40
8	#7236.00	47.5 AV	91.1	-43.6	1.12 V	347	5.10	42.40

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	116.0 PK			1.12 H	0	85.40	30.60
2	*2437.00	112.2 AV			1.12 H	0	81.60	30.60
3	4874.00	55.2 PK	74.0	-18.8	1.01 H	181	19.00	36.20
4	4874.00	52.1 AV	54.0	-1.9	1.01 H	181	15.90	36.20
5	7311.00	56.8 PK	74.0	-17.2	1.20 H	350	14.20	42.60
6	7311.00	49.8 AV	54.0	-4.2	1.20 H	350	7.20	42.60
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	*2437.00	119.1 PK			1.15 V	354	88.50	30.60
2	*2437.00	114.9 AV			1.15 V	354	84.30	30.60
3	4874.00	55.6 PK	74.0	-18.4	1.61 V	331	19.40	36.20
4	4874.00	52.6 AV	54.0	-1.4	1.61 V	331	16.40	36.20
5	7311.00	58.1 PK	74.0	-15.9	1.15 V	332	15.50	42.60
6	7311.00	51.5 AV	54.0	-2.5	1.15 V	332	8.90	42.60

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	110.0 PK			1.06 H	347	79.30	30.70
2	*2462.00	105.7 AV			1.06 H	347	75.00	30.70
3	2483.50	68.7 PK	74.0	-5.3	1.06 H	338	37.90	30.80
4	2483.50	47.7 AV	54.0	-6.3	1.06 H	338	16.90	30.80
5	4924.00	47.1 PK	74.0	-26.9	1.00 H	181	10.80	36.30
6	4924.00	36.6 AV	54.0	-17.4	1.00 H	181	0.30	36.30
7	7386.00	50.7 PK	74.0	-23.3	1.54 H	306	8.00	42.70
8	7386.00	37.8 AV	54.0	-16.2	1.54 H	306	-4.90	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.5 PK			1.13 V	335	82.80	30.70
2	*2462.00	109.8 AV			1.13 V	335	79.10	30.70
3	2483.50	72.9 PK	74.0	-1.1	1.12 V	354	42.10	30.80
4	2483.50	49.1 AV	54.0	-4.9	1.12 V	354	18.30	30.80
5	4924.00	46.2 PK	74.0	-27.8	1.24 V	318	9.90	36.30
6	4924.00	35.5 AV	54.0	-18.5	1.24 V	318	-0.80	36.30
7	7386.00	50.8 PK	74.0	-23.2	1.77 V	348	8.10	42.70
8	7386.00	38.8 AV	54.0	-15.2	1.77 V	348	-3.90	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.7 PK	74.0	-3.3	1.10 H	358	40.20	30.50
2	2390.00	50.3 AV	54.0	-3.7	1.10 H	358	19.80	30.50
3	*2412.00	111.7 PK			1.12 H	349	81.10	30.60
4	*2412.00	98.8 AV			1.12 H	349	68.20	30.60
5	4824.00	46.0 PK	74.0	-28.0	1.52 H	287	9.90	36.10
6	4824.00	29.9 AV	54.0	-24.1	1.52 H	287	-6.20	36.10
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	2390.00	72.2 PK	74.0	-1.8	1.17 V	348	41.70	30.50
2	2390.00	52.6 AV	54.0	-1.4	1.17 V	348	22.10	30.50
3	*2412.00	114.5 PK			1.13 V	340	83.90	30.60
4	*2412.00	102.4 AV			1.13 V	340	71.80	30.60
5	4824.00	46.1 PK	74.0	-27.9	1.17 V	333	10.00	36.10
6	4824.00	31.4 AV	54.0	-22.6	1.17 V	333	-4.70	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	114.8 PK			1.12 H	356	84.20	30.60
2	*2437.00	101.4 AV			1.12 H	356	70.80	30.60
3	4874.00	46.8 PK	74.0	-27.2	1.14 H	179	10.60	36.20
4	4874.00	32.2 AV	54.0	-21.8	1.14 H	179	-4.00	36.20
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	*2437.00	117.4 PK			1.22 V	334	86.80	30.60
2	*2437.00	104.7 AV			1.22 V	334	74.10	30.60
3	4874.00	48.6 PK	74.0	-25.4	1.12 V	320	12.40	36.20
4	4874.00	32.0 AV	54.0	-22.0	1.12 V	320	-4.20	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	111.1 PK			1.09 H	0	80.40	30.70
2	*2462.00	98.3 AV			1.09 H	0	67.60	30.70
3	2483.50	71.6 PK	74.0	-2.4	1.10 H	3	40.80	30.80
4	2483.50	49.6 AV	54.0	-4.4	1.10 H	3	18.80	30.80
5	4924.00	44.5 PK	74.0	-29.5	1.10 H	249	8.20	36.30
6	4924.00	30.1 AV	54.0	-23.9	1.10 H	249	-6.20	36.30
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	*2462.00	114.1 PK			1.14 V	353	83.40	30.70
2	*2462.00	102.0 AV			1.14 V	353	71.30	30.70
3	2483.50	72.8 PK	74.0	-1.2	1.12 V	358	42.00	30.80
4	2483.50	50.4 AV	54.0	-3.6	1.12 V	358	19.60	30.80
5	4924.00	46.4 PK	74.0	-27.6	1.16 V	342	10.10	36.30
6	4924.00	31.1 AV	54.0	-22.9	1.16 V	342	-5.20	36.30

- 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.



A D T

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.6 PK	74.0	-1.4	1.13 H	4	42.10	30.50
2	2390.00	50.1 AV	54.0	-3.9	1.13 H	4	19.60	30.50
3	*2412.00	110.8 PK			1.13 H	6	80.20	30.60
4	*2412.00	98.5 AV			1.13 H	6	67.90	30.60
5	4824.00	45.1 PK	74.0	-28.9	1.16 H	182	9.00	36.10
6	4824.00	30.3 AV	54.0	-23.7	1.16 H	182	-5.80	36.10
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	2390.00	72.9 PK	74.0	-1.1	1.14 V	332	42.40	30.50
2	2390.00	51.7 AV	54.0	-2.3	1.14 V	332	21.20	30.50
3	*2412.00	113.9 PK			1.14 V	326	83.30	30.60
4	*2412.00	101.6 AV			1.14 V	326	71.00	30.60
5	4824.00	45.6 PK	74.0	-28.4	1.15 V	311	9.50	36.10
6	4824.00	30.6 AV	54.0	-23.4	1.15 V	311	-5.50	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	115.8 PK			1.12 H	0	85.20	30.60
2	*2437.00	103.2 AV			1.12 H	0	72.60	30.60
3	4874.00	54.8 PK	74.0	-19.2	1.50 H	285	18.60	36.20
4	4874.00	37.1 AV	54.0	-16.9	1.50 H	285	0.90	36.20
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	*2437.00	118.5 PK			1.15 V	359	87.90	30.60
2	*2437.00	106.2 AV			1.15 V	359	75.60	30.60
3	4874.00	52.7 PK	74.0	-21.3	1.21 V	167	16.50	36.20
4	4874.00	35.9 AV	54.0	-18.1	1.21 V	167	-0.30	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	111.0 PK			1.11 H	0	80.30	30.70
2	*2462.00	98.2 AV			1.11 H	0	67.50	30.70
3	2483.50	71.8 PK	74.0	-2.2	1.09 H	2	41.00	30.80
4	2483.50	50.8 AV	54.0	-3.2	1.09 H	2	20.00	30.80
5	4924.00	45.1 PK	74.0	-28.9	1.00 H	182	8.80	36.30
6	4924.00	30.1 AV	54.0	-23.9	1.00 H	182	-6.20	36.30

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	*2462.00	113.8 PK			1.10 V	340	83.10	30.70
2	*2462.00	101.4 AV			1.10 V	340	70.70	30.70
3	2483.50	72.4 PK	74.0	-1.6	1.13 V	2	41.60	30.80
4	2483.50	51.1 AV	54.0	-2.9	1.13 V	2	20.30	30.80
5	4924.00	46.3 PK	74.0	-27.7	1.12 V	196	10.00	36.30
6	4924.00	30.5 AV	54.0	-23.5	1.12 V	196	-5.80	36.30

- 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.



A D T

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.3 PK	74.0	-3.7	1.13 H	2	39.80	30.50
2	2390.00	50.5 AV	54.0	-3.5	1.13 H	2	20.00	30.50
3	*2422.00	105.5 PK			1.12 H	3	74.90	30.60
4	*2422.00	93.4 AV			1.12 H	3	62.80	30.60
5	4844.00	43.7 PK	74.0	-30.3	1.22 H	155	7.50	36.20
6	4844.00	29.5 AV	54.0	-24.5	1.22 H	155	-6.70	36.20
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	2390.00	70.9 PK	74.0	-3.1	1.15 V	352	40.40	30.50
2	2390.00	52.6 AV	54.0	-1.4	1.15 V	352	22.10	30.50
3	*2422.00	108.3 PK			1.14 V	337	77.70	30.60
4	*2422.00	95.5 AV			1.14 V	337	64.90	30.60
5	4844.00	45.5 PK	74.0	-28.5	1.12 V	188	9.30	36.20
6	4844.00	30.3 AV	54.0	-23.7	1.12 V	188	-5.90	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.5 PK	74.0	-6.5	1.11 H	18	37.00	30.50
2	2390.00	49.8 AV	54.0	-4.2	1.11 H	18	19.30	30.50
3	*2437.00	108.6 PK			1.12 H	2	78.00	30.60
4	*2437.00	94.9 AV			1.12 H	2	64.30	30.60
5	2483.50	69.5 PK	74.0	-4.5	1.15 H	24	38.70	30.80
6	2483.50	50.2 AV	54.0	-3.8	1.15 H	24	19.40	30.80
7	4874.00	44.1 PK	74.0	-29.9	1.12 H	160	7.90	36.20
8	4874.00	30.1 AV	54.0	-23.9	1.12 H	160	-6.10	36.20
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	2390.00	69.9 PK	74.0	-4.1	1.16 V	334	39.40	30.50
2	2390.00	52.1 AV	54.0	-1.9	1.16 V	334	21.60	30.50
3	*2437.00	110.6 PK			1.17 V	358	80.00	30.60
4	*2437.00	97.8 AV			1.17 V	358	67.20	30.60
5	2483.50	72.0 PK	74.0	-2.0	1.14 V	6	41.20	30.80
6	2483.50	52.8 AV	54.0	-1.2	1.14 V	6	22.00	30.80
7	4874.00	47.0 PK	74.0	-27.0	1.11 V	184	10.80	36.20
8	4874.00	31.4 AV	54.0	-22.6	1.11 V	184	-4.80	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	*2452.00	105.2 PK			1.09 H	3	74.50	30.70
2	*2452.00	93.1 AV			1.09 H	3	62.40	30.70
3	2483.50	69.9 PK	74.0	-4.1	1.07 H	356	39.10	30.80
4	2483.50	50.3 AV	54.0	-3.7	1.07 H	356	19.50	30.80
5	4904.00	45.6 PK	74.0	-28.4	1.10 H	180	9.40	36.20
6	4904.00	30.8 AV	54.0	-23.2	1.10 H	180	-5.40	36.20
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	*2452.00	108.1 PK			1.14 V	1	77.40	30.70
2	*2452.00	95.2 AV			1.14 V	1	64.50	30.70
3	2483.50	72.7 PK	74.0	-1.3	1.11 V	350	41.90	30.80
4	2483.50	51.5 AV	54.0	-2.5	1.11 V	350	20.70	30.80
5	4904.00	45.6 PK	74.0	-28.4	1.18 V	328	9.40	36.20
6	4904.00	31.6 AV	54.0	-22.4	1.18 V	328	-4.60	36.20

- 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.



A D T

BELOW 1GHz WORST-CASE DATA : 802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1016 hPa	TESTED BY	Brad Wu

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	86.28	36.1 QP	40.0	-3.9	2.00 H	19	27.30	8.80
2	263.21	37.8 QP	46.0	-8.2	1.00 H	88	24.50	13.30
3	300.16	39.0 QP	46.0	-7.0	1.00 H	205	24.30	14.70
4	498.47	37.7 QP	46.0	-8.3	1.50 H	220	17.90	19.80
5	751.23	38.0 QP	46.0	-8.0	1.00 H	223	13.90	24.10
6	902.89	41.6 QP	46.0	-4.4	1.50 H	223	15.60	26.00
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	57.12	31.8 QP	40.0	-8.2	1.00 V	208	18.30	13.50
2	201.00	35.5 QP	43.5	-8.0	2.00 V	190	25.20	10.30
3	300.16	33.1 QP	46.0	-12.9	1.00 V	172	18.40	14.70
4	500.42	32.5 QP	46.0	-13.5	1.00 V	88	12.70	19.80
5	599.58	31.1 QP	46.0	-14.9	1.50 V	10	9.10	22.00
6	745.40	33.0 QP	46.0	-13.0	2.00 V	283	9.00	24.00

- 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.



A D T

4.1.11 TEST RESULT (TEST MODE C 1)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.8 PK	74.0	-12.2	1.14 H	136	31.30	30.50
2	2390.00	51.9 AV	54.0	-2.1	1.14 H	136	21.40	30.50
3	*2412.00	111.2 PK			1.14 H	136	80.60	30.60
4	*2412.00	108.1 AV			1.14 H	136	77.50	30.60
5	4824.00	48.3 PK	74.0	-25.7	1.32 H	277	12.20	36.10
6	4824.00	37.5 AV	54.0	-16.5	1.32 H	277	1.40	36.10
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	2390.00	66.5 PK	74.0	-7.5	1.17 V	105	36.00	30.50
2	2390.00	52.8 AV	54.0	-1.2	1.17 V	105	22.30	30.50
3	*2412.00	113.4 PK			1.18 V	137	82.80	30.60
4	*2412.00	111.5 AV			1.18 V	137	80.90	30.60
5	4824.00	51.3 PK	74.0	-22.7	1.38 V	205	15.20	36.10
6	4824.00	44.0 AV	54.0	-10.0	1.38 V	205	7.90	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	111.8 PK			1.02 H	163	81.20	30.60
2	*2437.00	108.7 AV			1.02 H	163	78.10	30.60
3	4874.00	49.0 PK	74.0	-25.0	1.04 H	158	12.80	36.20
4	4874.00	38.8 AV	54.0	-15.2	1.04 H	158	2.60	36.20
5	7311.00	57.2 PK	74.0	-16.8	1.07 H	162	14.60	42.60
6	7311.00	48.6 AV	54.0	-5.4	1.07 H	162	6.00	42.60
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	*2437.00	114.2 PK			1.15 V	132	83.60	30.60
2	*2437.00	112.0 AV			1.15 V	132	81.40	30.60
3	4874.00	50.0 PK	74.0	-24.0	1.28 V	132	13.80	36.20
4	4874.00	42.4 AV	54.0	-11.6	1.28 V	132	6.20	36.20
5	7311.00	58.7 PK	74.0	-15.3	1.47 V	135	16.10	42.60
6	7311.00	52.8 AV	54.0	-1.2	1.47 V	135	10.20	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	109.7 PK			1.06 H	157	79.00	30.70
2	*2462.00	107.5 AV			1.06 H	157	76.80	30.70
3	2483.50	61.5 PK	74.0	-12.5	1.20 H	182	30.70	30.80
4	2483.50	48.5 AV	54.0	-5.5	1.20 H	182	17.70	30.80
5	4924.00	48.3 PK	74.0	-25.7	1.03 H	189	12.00	36.30
6	4924.00	37.8 AV	54.0	-16.2	1.03 H	189	1.50	36.30
7	7386.00	57.0 PK	74.0	-17.0	1.05 H	188	14.30	42.70
8	7386.00	48.2 AV	54.0	-5.8	1.05 H	188	5.50	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.0 PK			1.03 V	177	82.30	30.70
2	*2462.00	111.2 AV			1.03 V	177	80.50	30.70
3	2483.50	64.2 PK	74.0	-9.8	1.07 V	177	33.40	30.80
4	2483.50	52.5 AV	54.0	-1.5	1.07 V	177	21.70	30.80
5	4924.00	49.5 PK	74.0	-24.5	1.37 V	147	13.20	36.30
6	4924.00	40.5 AV	54.0	-13.5	1.37 V	147	4.20	36.30
7	7386.00	58.6 PK	74.0	-15.4	1.22 V	163	15.90	42.70
8	7386.00	52.3 AV	54.0	-1.7	1.22 V	163	9.60	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.1 PK	74.0	-6.9	1.25 H	147	36.60	30.50
2	2390.00	50.1 AV	54.0	-3.9	1.25 H	147	19.60	30.50
3	*2412.00	113.0 PK			1.32 H	177	82.40	30.60
4	*2412.00	102.0 AV			1.32 H	177	71.40	30.60
5	4824.00	45.8 PK	74.0	-28.2	1.07 H	289	9.70	36.10
6	4824.00	34.7 AV	54.0	-19.3	1.07 H	289	-1.40	36.10
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	2390.00	71.8 PK	74.0	-2.2	1.08 V	177	41.30	30.50
2	2390.00	52.8 AV	54.0	-1.2	1.08 V	177	22.30	30.50
3	*2412.00	115.4 PK			1.08 V	172	84.80	30.60
4	*2412.00	104.8 AV			1.08 V	172	74.20	30.60
5	4824.00	46.2 PK	74.0	-27.8	1.03 V	277	10.10	36.10
6	4824.00	35.3 AV	54.0	-18.7	1.03 V	277	-0.80	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.2 PK	74.0	-14.8	1.17 H	125	28.70	30.50
2	2390.00	49.9 AV	54.0	-4.1	1.17 H	125	19.40	30.50
3	*2437.00	117.7 PK			1.17 H	125	87.10	30.60
4	*2437.00	106.2 AV			1.17 H	125	75.60	30.60
5	2484.50	62.3 PK	74.0	-11.7	1.17 H	135	31.50	30.80
6	2484.50	50.2 AV	54.0	-3.8	1.17 H	135	19.40	30.80
7	4874.00	45.9 PK	74.0	-28.1	1.33 H	278	9.70	36.20
8	4874.00	34.6 AV	54.0	-19.4	1.33 H	278	-1.60	36.20
9	7311.00	51.0 PK	74.0	-23.0	1.35 H	269	8.40	42.60
10	7311.00	40.0 AV	54.0	-14.0	1.35 H	269	-2.60	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	65.8 PK	74.0	-8.2	1.28 V	147	35.30	30.50
2	2390.00	52.5 AV	54.0	-1.5	1.28 V	147	22.00	30.50
3	*2437.00	119.6 PK			1.04 V	163	89.00	30.60
4	*2437.00	108.3 AV			1.04 V	163	77.70	30.60
5	2484.50	65.8 PK	74.0	-8.2	1.07 V	199	35.00	30.80
6	2484.50	52.7 AV	54.0	-1.3	1.07 V	199	21.90	30.80
7	4874.00	65.7 PK	74.0	-8.3	1.05 V	163	29.50	36.20
8	4874.00	52.8 AV	54.0	-1.2	1.05 V	163	16.60	36.20
9	7311.00	52.3 PK	74.0	-21.7	1.22 V	153	9.70	42.60
10	7311.00	40.2 AV	54.0	-13.8	1.22 V	153	-2.40	42.60

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	110.9 PK			1.02 H	182	80.20	30.70
2	*2462.00	100.0 AV			1.02 H	182	69.30	30.70
3	2484.50	67.1 PK	74.0	-6.9	1.28 H	177	36.30	30.80
4	2484.50	48.2 AV	54.0	-5.8	1.28 H	177	17.40	30.80
5	4924.00	45.9 PK	74.0	-28.1	1.22 H	269	9.60	36.30
6	4924.00	34.8 AV	54.0	-19.2	1.22 H	269	-1.50	36.30
7	7386.00	51.2 PK	74.0	-22.8	1.22 H	284	8.50	42.70
8	7386.00	39.8 AV	54.0	-14.2	1.22 H	284	-2.90	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	114.0 PK			1.05 V	167	83.30	30.70
2	*2462.00	103.2 AV			1.05 V	167	72.50	30.70
3	2484.50	72.7 PK	74.0	-1.3	1.12 V	189	41.90	30.80
4	2484.50	52.5 AV	54.0	-1.5	1.12 V	189	21.70	30.80
5	4924.00	46.7 PK	74.0	-27.3	1.05 V	233	10.40	36.30
6	4924.00	35.2 AV	54.0	-18.8	1.05 V	233	-1.10	36.30
7	7386.00	52.0 PK	74.0	-22.0	1.28 V	308	9.30	42.70
8	7386.00	40.1 AV	54.0	-13.9	1.28 V	308	-2.60	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.9 PK	74.0	-4.1	1.27 H	188	39.40	30.50
2	2390.00	50.0 AV	54.0	-4.0	1.27 H	188	19.50	30.50
3	*2412.00	110.2 PK			1.27 H	168	79.60	30.60
4	*2412.00	100.6 AV			1.27 H	168	70.00	30.60
5	4824.00	39.8 PK	74.0	-34.2	1.37 H	104	3.70	36.10
6	4824.00	34.5 AV	54.0	-19.5	1.37 H	104	-1.60	36.10
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	2390.00	72.8 PK	74.0	-1.2	1.15 V	163	42.30	30.50
2	2390.00	52.7 AV	54.0	-1.3	1.15 V	163	22.20	30.50
3	*2412.00	114.6 PK			1.09 V	188	84.00	30.60
4	*2412.00	103.8 AV			1.09 V	188	73.20	30.60
5	4824.00	46.3 PK	74.0	-27.7	1.53 V	88	10.20	36.10
6	4824.00	35.0 AV	54.0	-19.0	1.53 V	88	-1.10	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.2 PK	74.0	-14.8	1.18 H	169	28.70	30.50
2	2390.00	46.1 AV	54.0	-7.9	1.18 H	169	15.60	30.50
3	*2437.00	114.7 PK			1.18 H	177	84.10	30.60
4	*2437.00	105.1 AV			1.18 H	177	74.50	30.60
5	2483.50	61.2 PK	74.0	-12.8	1.22 H	163	30.40	30.80
6	2483.50	49.5 AV	54.0	-4.5	1.22 H	163	18.70	30.80
7	4874.00	45.3 PK	74.0	-28.7	1.06 H	147	9.10	36.20
8	4874.00	33.9 AV	54.0	-20.1	1.06 H	147	-2.30	36.20
9	7311.00	51.2 PK	74.0	-22.8	1.15 H	105	8.60	42.60
10	7311.00	38.3 AV	54.0	-15.7	1.15 H	105	-4.30	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.2 PK	74.0	-3.8	1.04 V	163	39.70	30.50
2	2390.00	51.3 AV	54.0	-2.7	1.04 V	163	20.80	30.50
3	*2437.00	118.8 PK			1.18 V	167	88.20	30.60
4	*2437.00	108.2 AV			1.18 V	167	77.60	30.60
5	2483.50	71.0 PK	74.0	-3.0	1.12 V	169	40.20	30.80
6	2483.50	52.8 AV	54.0	-1.2	1.12 V	169	22.00	30.80
7	4874.00	46.3 PK	74.0	-27.7	1.09 V	268	10.10	36.20
8	4874.00	35.0 AV	54.0	-19.0	1.09 V	268	-1.20	36.20
9	7311.00	52.1 PK	74.0	-21.9	1.36 V	299	9.50	42.60
10	7311.00	40.2 AV	54.0	-13.8	1.36 V	299	-2.40	42.60

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	108.8 PK			1.33 H	167	78.10	30.70
2	*2462.00	98.3 AV			1.33 H	167	67.60	30.70
3	2483.50	68.3 PK	74.0	-5.7	1.34 H	183	37.50	30.80
4	2483.50	48.0 AV	54.0	-6.0	1.34 H	183	17.20	30.80
5	4924.00	45.7 PK	74.0	-28.3	1.22 H	69	9.40	36.30
6	4924.00	34.2 AV	54.0	-19.8	1.22 H	69	-2.10	36.30
7	7386.00	51.5 PK	74.0	-22.5	1.27 H	165	8.80	42.70
8	7386.00	38.5 AV	54.0	-15.5	1.27 H	165	-4.20	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.6 PK			1.08 V	177	82.90	30.70
2	*2462.00	102.4 AV			1.08 V	177	71.70	30.70
3	2483.50	72.8 PK	74.0	-1.2	1.08 V	185	42.00	30.80
4	2483.50	52.7 AV	54.0	-1.3	1.08 V	185	21.90	30.80
5	4924.00	46.5 PK	74.0	-27.5	1.32 V	257	10.20	36.30
6	4924.00	35.0 AV	54.0	-19.0	1.32 V	257	-1.30	36.30
7	7386.00	52.1 PK	74.0	-21.9	1.32 V	108	9.40	42.70
8	7386.00	40.2 AV	54.0	-13.8	1.32 V	108	-2.50	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.1 PK	74.0	-6.9	1.17 H	169	36.60	30.50
2	2390.00	48.5 AV	54.0	-5.5	1.17 H	169	18.00	30.50
3	*2422.00	103.7 PK			1.08 H	177	73.10	30.60
4	*2422.00	93.1 AV			1.08 H	177	62.50	30.60
5	4844.00	45.1 PK	74.0	-28.9	1.03 H	158	8.90	36.20
6	4844.00	33.7 AV	54.0	-20.3	1.03 H	158	-2.50	36.20
7	7266.00	50.8 PK	74.0	-23.2	1.21 H	328	8.30	42.50
8	7266.00	38.5 AV	54.0	-15.5	1.21 H	328	-4.00	42.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.9 PK	74.0	-3.1	1.25 V	189	40.40	30.50
2	2390.00	52.9 AV	54.0	-1.1	1.25 V	189	22.40	30.50
3	*2422.00	107.9 PK			1.09 V	158	77.30	30.60
4	*2422.00	97.4 AV			1.09 V	158	66.80	30.60
5	4844.00	45.8 PK	74.0	-28.2	1.05 V	99	9.60	36.20
6	4844.00	34.7 AV	54.0	-19.3	1.05 V	99	-1.50	36.20
7	7266.00	51.1 PK	74.0	-22.9	1.15 V	165	8.60	42.50
8	7266.00	38.9 AV	54.0	-15.1	1.15 V	165	-3.60	42.50

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.2 PK	74.0	-14.8	1.14 H	163	28.70	30.50
2	2390.00	46.0 AV	54.0	-8.0	1.14 H	163	15.50	30.50
3	*2437.00	109.0 PK			1.15 H	163	78.40	30.60
4	*2437.00	96.8 AV			1.15 H	163	66.20	30.60
5	2483.50	60.9 PK	74.0	-13.1	1.15 H	163	30.10	30.80
6	2483.50	48.5 AV	54.0	-5.5	1.15 H	163	17.70	30.80
7	4874.00	46.3 PK	74.0	-27.7	1.12 H	207	10.10	36.20
8	4874.00	34.8 AV	54.0	-19.2	1.12 H	207	-1.40	36.20
9	7311.00	51.7 PK	74.0	-22.3	1.18 H	193	9.10	42.60
10	7311.00	39.2 AV	54.0	-14.8	1.18 H	193	-3.40	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.0 PK	74.0	-2.0	1.05 V	137	41.50	30.50
2	2390.00	52.5 AV	54.0	-1.5	1.05 V	137	22.00	30.50
3	*2437.00	112.8 PK			1.08 V	137	82.20	30.60
4	*2437.00	101.1 AV			1.08 V	137	70.50	30.60
5	2483.50	72.8 PK	74.0	-1.2	1.16 V	167	42.00	30.80
6	2483.50	52.7 AV	54.0	-1.3	1.16 V	167	21.90	30.80
7	4874.00	47.6 PK	74.0	-26.4	1.22 V	28	11.40	36.20
8	4874.00	35.8 AV	54.0	-18.2	1.22 V	28	-0.40	36.20
9	7311.00	52.5 PK	74.0	-21.5	1.15 V	69	9.90	42.60
10	7311.00	40.3 AV	54.0	-13.7	1.15 V	69	-2.30	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

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	*2452.00	102.5 PK			1.33 H	165	71.80	30.70
2	*2452.00	91.5 AV			1.33 H	165	60.80	30.70
3	2483.50	66.4 PK	74.0	-7.6	1.23 H	165	35.60	30.80
4	2483.50	49.9 AV	54.0	-4.1	1.23 H	165	19.10	30.80
5	4904.00	45.0 PK	74.0	-29.0	1.05 H	305	8.80	36.20
6	4904.00	33.9 AV	54.0	-20.1	1.05 H	305	-2.30	36.20
7	7356.00	50.0 PK	74.0	-24.0	1.07 H	203	7.30	42.70
8	7356.00	38.3 AV	54.0	-15.7	1.07 H	203	-4.40	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	106.7 PK			1.09 V	178	76.00	30.70
2	*2452.00	94.9 AV			1.09 V	178	64.20	30.70
3	2483.50	71.3 PK	74.0	-2.7	1.25 V	168	40.50	30.80
4	2483.50	52.8 AV	54.0	-1.2	1.25 V	168	22.00	30.80
5	4904.00	45.8 PK	74.0	-28.2	1.18 V	105	9.60	36.20
6	4904.00	34.9 AV	54.0	-19.1	1.18 V	105	-1.30	36.20
7	7356.00	50.8 PK	74.0	-23.2	1.35 V	288	8.10	42.70
8	7356.00	38.7 AV	54.0	-15.3	1.35 V	288	-4.00	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

BELOW 1GHz WORST-CASE DATA : 802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1016 hPa	TESTED BY	Brad Wu

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	99.89	42.5 QP	43.5	-1.0	1.25 H	323	32.40	10.10
2	232.11	31.8 QP	46.0	-14.2	1.25 H	104	19.90	11.90
3	543.19	30.4 QP	46.0	-15.6	1.00 H	221	9.60	20.80
4	667.63	44.2 QP	46.0	-1.8	1.25 H	77	21.10	23.10
5	799.84	31.4 QP	46.0	-14.6	1.25 H	293	6.80	24.60
6	924.27	32.7 QP	46.0	-13.3	1.25 H	204	6.40	26.30
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	45.45	30.6 QP	40.0	-9.4	1.25 V	105	16.20	14.40
2	99.89	37.6 QP	43.5	-5.9	1.50 V	217	27.50	10.10
3	500.42	29.8 QP	46.0	-16.2	1.25 V	289	10.00	19.80
4	595.69	29.6 QP	46.0	-16.4	1.75 V	208	7.70	21.90
5	667.63	40.4 QP	46.0	-5.6	1.25 V	107	17.30	23.10
6	986.49	37.8 QP	54.0	-16.2	1.25 V	233	10.80	27.00

- 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.



A D T

4.1.12 TEST RESULT (TEST MODE C 2)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.2 PK	74.0	-11.8	1.07 H	180	31.70	30.50
2	2390.00	52.0 AV	54.0	-2.0	1.07 H	180	21.50	30.50
3	*2412.00	111.6 PK			1.07 H	180	81.00	30.60
4	*2412.00	108.5 AV			1.07 H	180	77.90	30.60
5	4824.00	48.8 PK	74.0	-25.2	1.06 H	182	12.70	36.10
6	4824.00	37.9 AV	54.0	-16.1	1.06 H	182	1.80	36.10
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	2390.00	66.8 PK	74.0	-7.2	1.20 V	180	36.30	30.50
2	2390.00	53.0 AV	54.0	-1.0	1.20 V	180	22.50	30.50
3	*2412.00	113.7 PK			1.16 V	175	83.10	30.60
4	*2412.00	111.8 AV			1.16 V	175	81.20	30.60
5	4824.00	51.6 PK	74.0	-22.4	1.34 V	182	15.50	36.10
6	4824.00	44.3 AV	54.0	-9.7	1.34 V	182	8.20	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	112.1 PK			1.08 H	181	81.50	30.60
2	*2437.00	109.0 AV			1.08 H	181	78.40	30.60
3	4874.00	49.2 PK	74.0	-24.8	1.05 H	177	13.00	36.20
4	4874.00	39.1 AV	54.0	-14.9	1.05 H	177	2.90	36.20
5	7311.00	57.3 PK	74.0	-16.7	1.10 H	141	14.70	42.60
6	7311.00	48.8 AV	54.0	-5.2	1.10 H	141	6.20	42.60
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	*2437.00	114.8 PK			1.14 V	187	84.20	30.60
2	*2437.00	112.4 AV			1.14 V	187	81.80	30.60
3	4874.00	50.3 PK	74.0	-23.7	1.30 V	182	14.10	36.20
4	4874.00	42.9 AV	54.0	-11.1	1.30 V	182	6.70	36.20
5	7311.00	58.9 PK	74.0	-15.1	1.14 V	142	16.30	42.60
6	7311.00	52.9 AV	54.0	-1.1	1.14 V	142	10.30	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	111.1 PK			1.10 H	179	80.40	30.70
2	*2462.00	108.1 AV			1.10 H	179	77.40	30.70
3	2483.50	61.7 PK	74.0	-12.3	1.28 H	182	30.90	30.80
4	2483.50	48.9 AV	54.0	-5.1	1.28 H	182	18.10	30.80
5	4924.00	48.6 PK	74.0	-25.4	1.07 H	175	12.30	36.30
6	4924.00	38.1 AV	54.0	-15.9	1.07 H	175	1.80	36.30
7	7386.00	57.2 PK	74.0	-16.8	1.10 H	143	14.50	42.70
8	7386.00	48.6 AV	54.0	-5.4	1.10 H	143	5.90	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.2 PK			1.15 V	176	82.50	30.70
2	*2462.00	111.4 AV			1.15 V	176	80.70	30.70
3	2483.50	64.5 PK	74.0	-9.5	1.14 V	176	33.70	30.80
4	2483.50	52.7 AV	54.0	-1.3	1.14 V	176	21.90	30.80
5	4924.00	49.8 PK	74.0	-24.2	1.30 V	182	13.50	36.30
6	4924.00	40.9 AV	54.0	-13.1	1.30 V	182	4.60	36.30
7	7386.00	58.9 PK	74.0	-15.1	1.13 V	144	16.20	42.70
8	7386.00	52.5 AV	54.0	-1.5	1.13 V	144	9.80	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.4 PK	74.0	-6.6	1.26 H	179	36.90	30.50
2	2390.00	50.5 AV	54.0	-3.5	1.26 H	179	20.00	30.50
3	*2412.00	113.3 PK			1.25 H	180	82.70	30.60
4	*2412.00	102.2 AV			1.25 H	180	71.60	30.60
5	4824.00	46.1 PK	74.0	-27.9	1.19 H	281	10.00	36.10
6	4824.00	34.9 AV	54.0	-19.1	1.19 H	281	-1.20	36.10
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	2390.00	72.0 PK	74.0	-2.0	1.17 V	175	41.50	30.50
2	2390.00	53.0 AV	54.0	-1.0	1.17 V	175	22.50	30.50
3	*2412.00	115.6 PK			1.16 V	180	85.00	30.60
4	*2412.00	105.0 AV			1.16 V	180	74.40	30.60
5	4824.00	46.8 PK	74.0	-27.2	1.11 V	254	10.70	36.10
6	4824.00	35.6 AV	54.0	-18.4	1.11 V	254	-0.50	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	60.2 PK	74.0	-13.8	1.24 H	181	29.70	30.50
2	2390.00	50.2 AV	54.0	-3.8	1.24 H	181	19.70	30.50
3	*2437.00	117.9 PK			1.24 H	181	87.30	30.60
4	*2437.00	106.4 AV			1.24 H	181	75.80	30.60
5	2484.50	62.5 PK	74.0	-11.5	1.24 H	181	31.70	30.80
6	2484.50	50.5 AV	54.0	-3.5	1.24 H	181	19.70	30.80
7	4874.00	46.2 PK	74.0	-27.8	1.29 H	281	10.00	36.20
8	4874.00	34.8 AV	54.0	-19.2	1.29 H	281	-1.40	36.20
9	7311.00	51.3 PK	74.0	-22.7	1.40 H	300	8.70	42.60
10	7311.00	40.2 AV	54.0	-13.8	1.40 H	300	-2.40	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	66.9 PK	74.0	-7.1	1.16 V	182	36.40	30.50
2	2390.00	52.6 AV	54.0	-1.4	1.16 V	182	22.10	30.50
3	*2437.00	119.8 PK			1.16 V	181	89.20	30.60
4	*2437.00	108.6 AV			1.16 V	181	78.00	30.60
5	2484.50	66.0 PK	74.0	-8.0	1.14 V	174	35.20	30.80
6	2484.50	53.0 AV	54.0	-1.0	1.14 V	174	22.20	30.80
7	4874.00	46.9 PK	74.0	-27.1	1.18 V	91	10.70	36.20
8	4874.00	35.7 AV	54.0	-18.3	1.18 V	91	-0.50	36.20
9	7311.00	52.5 PK	74.0	-21.5	1.20 V	144	9.90	42.60
10	7311.00	40.6 AV	54.0	-13.4	1.20 V	144	-2.00	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	111.3 PK			1.00 H	178	80.60	30.70
2	*2462.00	100.2 AV			1.00 H	178	69.50	30.70
3	2484.50	67.3 PK	74.0	-6.7	1.30 H	180	36.50	30.80
4	2484.50	48.4 AV	54.0	-5.6	1.30 H	180	17.60	30.80
5	4924.00	46.2 PK	74.0	-27.8	1.24 H	278	9.90	36.30
6	4924.00	35.1 AV	54.0	-18.9	1.24 H	278	-1.20	36.30
7	7386.00	51.6 PK	74.0	-22.4	1.38 H	292	8.90	42.70
8	7386.00	40.1 AV	54.0	-13.9	1.38 H	292	-2.60	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	114.2 PK			1.15 V	185	83.50	30.70
2	*2462.00	103.4 AV			1.15 V	185	72.70	30.70
3	2484.50	73.0 PK	74.0	-1.0	1.14 V	175	42.20	30.80
4	2484.50	52.7 AV	54.0	-1.3	1.14 V	175	21.90	30.80
5	4924.00	46.9 PK	74.0	-27.1	1.10 V	241	10.60	36.30
6	4924.00	35.5 AV	54.0	-18.5	1.10 V	241	-0.80	36.30
7	7386.00	52.3 PK	74.0	-21.7	1.29 V	351	9.60	42.70
8	7386.00	40.4 AV	54.0	-13.6	1.29 V	351	-2.30	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.1 PK	74.0	-3.9	1.25 H	179	39.60	30.50
2	2390.00	50.1 AV	54.0	-3.9	1.25 H	179	19.60	30.50
3	*2412.00	110.5 PK			1.24 H	181	79.90	30.60
4	*2412.00	100.9 AV			1.24 H	181	70.30	30.60
5	4824.00	40.1 PK	74.0	-33.9	1.33 H	88	4.00	36.10
6	4824.00	34.7 AV	54.0	-19.3	1.33 H	88	-1.40	36.10
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	2390.00	73.0 PK	74.0	-1.0	1.18 V	177	42.50	30.50
2	2390.00	52.9 AV	54.0	-1.1	1.18 V	177	22.40	30.50
3	*2412.00	114.9 PK			1.15 V	181	84.30	30.60
4	*2412.00	104.1 AV			1.15 V	181	73.50	30.60
5	4824.00	46.7 PK	74.0	-27.3	1.20 V	94	10.60	36.10
6	4824.00	35.2 AV	54.0	-18.8	1.20 V	94	-0.90	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.4 PK	74.0	-14.6	1.23 H	180	28.90	30.50
2	2390.00	46.3 AV	54.0	-7.7	1.23 H	180	15.80	30.50
3	*2437.00	115.1 PK			1.23 H	180	84.50	30.60
4	*2437.00	105.4 AV			1.23 H	180	74.80	30.60
5	2483.50	61.6 PK	74.0	-12.4	1.23 H	180	30.80	30.80
6	2483.50	49.7 AV	54.0	-4.3	1.23 H	180	18.90	30.80
7	4874.00	45.9 PK	74.0	-28.1	1.14 H	65	9.70	36.20
8	4874.00	34.2 AV	54.0	-19.8	1.14 H	65	-2.00	36.20
9	7311.00	51.6 PK	74.0	-22.4	1.28 H	114	9.00	42.60
10	7311.00	38.7 AV	54.0	-15.3	1.28 H	114	-3.90	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.5 PK	74.0	-3.5	1.18 V	182	40.00	30.50
2	2390.00	51.7 AV	54.0	-2.3	1.18 V	182	21.20	30.50
3	*2437.00	119.2 PK			1.16 V	177	88.60	30.60
4	*2437.00	108.6 AV			1.16 V	177	78.00	30.60
5	2483.50	71.2 PK	74.0	-2.8	1.14 V	175	40.40	30.80
6	2483.50	53.0 AV	54.0	-1.0	1.14 V	175	22.20	30.80
7	4874.00	46.8 PK	74.0	-27.2	1.12 V	248	10.60	36.20
8	4874.00	35.4 AV	54.0	-18.6	1.12 V	248	-0.80	36.20
9	7311.00	52.4 PK	74.0	-21.6	1.40 V	358	9.80	42.60
10	7311.00	40.6 AV	54.0	-13.4	1.40 V	358	-2.00	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	109.2 PK			1.25 H	178	78.50	30.70
2	*2462.00	98.6 AV			1.25 H	178	67.90	30.70
3	2483.80	68.8 PK	74.0	-5.2	1.25 H	180	38.00	30.80
4	2483.80	48.3 AV	54.0	-5.7	1.25 H	180	17.50	30.80
5	4924.00	46.1 PK	74.0	-27.9	1.29 H	114	9.80	36.30
6	4924.00	34.5 AV	54.0	-19.5	1.29 H	114	-1.80	36.30
7	7386.00	51.9 PK	74.0	-22.1	1.31 H	122	9.20	42.70
8	7386.00	38.9 AV	54.0	-15.1	1.31 H	122	-3.80	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.9 PK			1.14 V	182	83.20	30.70
2	*2462.00	102.6 AV			1.14 V	182	71.90	30.70
3	2483.50	73.0 PK	74.0	-1.0	1.14 V	174	42.20	30.80
4	2483.50	52.8 AV	54.0	-1.2	1.14 V	174	22.00	30.80
5	4924.00	46.8 PK	74.0	-27.2	1.14 V	243	10.50	36.30
6	4924.00	35.3 AV	54.0	-18.7	1.14 V	243	-1.00	36.30
7	7386.00	52.4 PK	74.0	-21.6	1.40 V	115	9.70	42.70
8	7386.00	40.5 AV	54.0	-13.5	1.40 V	115	-2.20	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.4 PK	74.0	-6.6	1.20 H	180	36.90	30.50
2	2390.00	48.9 AV	54.0	-5.1	1.20 H	180	18.40	30.50
3	*2422.00	103.9 PK			1.15 H	178	73.30	30.60
4	*2422.00	93.4 AV			1.15 H	178	62.80	30.60
5	4844.00	45.6 PK	74.0	-28.4	1.10 H	140	9.40	36.20
6	4844.00	34.1 AV	54.0	-19.9	1.10 H	140	-2.10	36.20
7	7266.00	51.1 PK	74.0	-22.9	1.31 H	351	8.60	42.50
8	7266.00	38.9 AV	54.0	-15.1	1.31 H	351	-3.60	42.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.1 PK	74.0	-2.9	1.18 V	178	40.60	30.50
2	2390.00	53.0 AV	54.0	-1.0	1.18 V	178	22.50	30.50
3	*2422.00	108.1 PK			1.17 V	181	77.50	30.60
4	*2422.00	97.6 AV			1.17 V	181	67.00	30.60
5	4844.00	46.0 PK	74.0	-28.0	1.14 V	89	9.80	36.20
6	4844.00	35.0 AV	54.0	-19.0	1.14 V	89	-1.20	36.20
7	7266.00	51.4 PK	74.0	-22.6	1.20 V	148	8.90	42.50
8	7266.00	39.1 AV	54.0	-14.9	1.20 V	148	-3.40	42.50

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.4 PK	74.0	-14.6	1.20 H	179	28.90	30.50
2	2390.00	46.3 AV	54.0	-7.7	1.20 H	179	15.80	30.50
3	*2437.00	109.3 PK			1.20 H	179	78.70	30.60
4	*2437.00	97.2 AV			1.20 H	179	66.60	30.60
5	2483.50	61.0 PK	74.0	-13.0	1.20 H	179	30.20	30.80
6	2483.50	48.7 AV	54.0	-5.3	1.20 H	179	17.90	30.80
7	4874.00	46.9 PK	74.0	-27.1	1.14 H	84	10.70	36.20
8	4874.00	35.1 AV	54.0	-18.9	1.14 H	84	-1.10	36.20
9	7311.00	51.9 PK	74.0	-22.1	1.23 H	167	9.30	42.60
10	7311.00	39.4 AV	54.0	-14.6	1.23 H	167	-3.20	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.3 PK	74.0	-1.7	1.18 V	178	41.80	30.50
2	2390.00	52.8 AV	54.0	-1.2	1.18 V	178	22.30	30.50
3	*2437.00	113.1 PK			1.17 V	182	82.50	30.60
4	*2437.00	101.5 AV			1.17 V	182	70.90	30.60
5	2483.50	73.0 PK	74.0	-1.0	1.14 V	172	42.20	30.80
6	2483.50	52.8 AV	54.0	-1.2	1.14 V	172	22.00	30.80
7	4874.00	47.8 PK	74.0	-26.2	1.11 V	79	11.60	36.20
8	4874.00	36.2 AV	54.0	-17.8	1.11 V	79	0.00	36.20
9	7311.00	52.8 PK	74.0	-21.2	1.21 V	40	10.20	42.60
10	7311.00	40.8 AV	54.0	-13.2	1.21 V	40	-1.80	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

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	*2452.00	102.8 PK			1.14 H	181	72.10	30.70
2	*2452.00	91.9 AV			1.14 H	181	61.20	30.70
3	2483.50	66.8 PK	74.0	-7.2	1.19 H	179	36.00	30.80
4	2483.50	50.2 AV	54.0	-3.8	1.19 H	179	19.40	30.80
5	4904.00	45.4 PK	74.0	-28.6	1.23 H	69	9.20	36.20
6	4904.00	34.2 AV	54.0	-19.8	1.23 H	69	-2.00	36.20
7	7356.00	50.4 PK	74.0	-23.6	1.14 H	84	7.70	42.70
8	7356.00	38.6 AV	54.0	-15.4	1.14 H	84	-4.10	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	106.9 PK			1.16 V	182	76.20	30.70
2	*2452.00	95.1 AV			1.16 V	182	64.40	30.70
3	2483.50	71.5 PK	74.0	-2.5	1.14 V	187	40.70	30.80
4	2483.50	53.0 AV	54.0	-1.0	1.14 V	187	22.20	30.80
5	4904.00	46.1 PK	74.0	-27.9	1.20 V	91	9.90	36.20
6	4904.00	35.1 AV	54.0	-18.9	1.20 V	91	-1.10	36.20
7	7356.00	51.2 PK	74.0	-22.8	1.40 V	340	8.50	42.70
8	7356.00	39.0 AV	54.0	-15.0	1.40 V	340	-3.70	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

BELOW 1GHz WORST-CASE DATA : 802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1014 hPa	TESTED BY	Brad Wu

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	99.89	42.2 QP	43.5	-1.3	1.50 H	175	32.10	10.10
2	300.16	32.0 QP	46.0	-14.0	1.00 H	70	17.30	14.70
3	498.47	32.6 QP	46.0	-13.4	1.50 H	61	12.80	19.80
4	667.63	44.3 QP	46.0	-1.7	1.00 H	88	21.20	23.10
5	799.84	31.7 QP	46.0	-14.3	1.00 H	310	7.10	24.60
6	899.00	31.8 QP	46.0	-14.2	1.50 H	295	5.90	25.90

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	99.89	37.0 QP	43.5	-6.5	1.00 V	175	26.90	10.10
2	461.53	28.9 QP	46.0	-17.1	1.50 V	10	10.10	18.80
3	529.58	31.5 QP	46.0	-14.5	1.50 V	142	11.00	20.50
4	595.69	29.0 QP	46.0	-17.0	1.50 V	148	7.10	21.90
5	667.63	40.0 QP	46.0	-6.0	1.00 V	136	16.90	23.10
6	924.27	35.7 QP	46.0	-10.3	1.00 V	13	9.40	26.30

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.



A D T

4.1.13 TEST RESULT (TEST MODE D 1)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.2 PK	74.0	-1.8	1.02 H	87	41.70	30.50
2	2390.00	47.3 AV	54.0	-6.7	1.02 H	87	16.80	30.50
3	*2412.00	111.8 PK			1.43 H	93	81.20	30.60
4	*2412.00	107.8 AV			1.43 H	93	77.20	30.60
5	4824.00	45.3 PK	74.0	-28.7	1.25 H	285	9.20	36.10
6	4824.00	33.0 AV	54.0	-21.0	1.25 H	285	-3.10	36.10
7	#7236.00	52.3 PK	91.8	-39.5	1.36 H	82	9.90	42.40
8	#7236.00	44.1 AV	87.8	-43.7	1.36 H	82	1.70	42.40
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	2390.00	63.1 PK	74.0	-10.9	1.54 V	133	32.60	30.50
2	2390.00	43.2 AV	54.0	-10.8	1.54 V	133	12.70	30.50
3	*2412.00	104.2 PK			1.36 V	204	73.60	30.60
4	*2412.00	100.0 AV			1.36 V	204	69.40	30.60
5	4824.00	43.1 PK	74.0	-30.9	1.65 V	47	7.00	36.10
6	4824.00	31.5 AV	54.0	-22.5	1.65 V	47	-4.60	36.10
7	#7236.00	50.7 PK	84.2	-33.5	1.08 V	325	8.30	42.40
8	#7236.00	37.7 AV	80.0	-42.3	1.08 V	325	-4.70	42.40

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	115.1 PK			1.08 H	236	84.50	30.60
2	*2437.00	111.0 AV			1.08 H	236	80.40	30.60
3	4874.00	47.3 PK	74.0	-26.7	1.12 H	47	11.10	36.20
4	4874.00	41.2 AV	54.0	-12.8	1.12 H	47	5.00	36.20
5	7311.00	58.0 PK	74.0	-16.0	1.52 H	63	15.40	42.60
6	7311.00	52.7 AV	54.0	-1.3	1.52 H	63	10.10	42.60
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	*2437.00	107.1 PK			1.25 V	263	76.50	30.60
2	*2437.00	103.1 AV			1.25 V	263	72.50	30.60
3	4874.00	46.7 PK	74.0	-27.3	1.32 V	55	10.50	36.20
4	4874.00	40.3 AV	54.0	-13.7	1.31 V	235	4.10	36.20
5	7311.00	53.0 PK	74.0	-21.0	1.27 V	193	10.40	42.60
6	7311.00	44.1 AV	54.0	-9.9	1.27 V	193	1.50	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.1 PK			1.05 H	347	82.40	30.70
2	*2462.00	109.0 AV			1.05 H	347	78.30	30.70
3	2483.50	72.2 PK	74.0	-1.8	1.24 H	62	41.40	30.80
4	2483.50	50.8 AV	54.0	-3.2	1.24 H	62	20.00	30.80
5	4924.00	44.0 PK	74.0	-30.0	1.36 H	278	7.70	36.30
6	4924.00	34.7 AV	54.0	-19.3	1.36 H	278	-1.60	36.30
7	7386.00	56.7 PK	74.0	-17.3	1.52 H	17	14.00	42.70
8	7386.00	50.9 AV	54.0	-3.1	1.52 H	17	8.20	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	105.0 PK			1.14 V	237	74.30	30.70
2	*2462.00	100.9 AV			1.14 V	237	70.20	30.70
3	2483.50	69.8 PK	74.0	-4.2	1.18 V	247	39.00	30.80
4	2483.50	44.5 AV	54.0	-9.5	1.18 V	247	13.70	30.80
5	4924.00	45.3 PK	74.0	-28.7	1.06 V	317	9.00	36.30
6	4924.00	37.1 AV	54.0	-16.9	1.06 V	317	0.80	36.30
7	7386.00	50.5 PK	74.0	-23.5	1.35 V	279	7.80	42.70
8	7386.00	39.8 AV	54.0	-14.2	1.35 V	279	-2.90	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.8 PK	74.0	-4.2	1.05 H	62	39.30	30.50
2	2390.00	52.2 AV	54.0	-1.8	1.05 H	62	21.70	30.50
3	*2412.00	116.5 PK			1.22 H	17	85.90	30.60
4	*2412.00	104.1 AV			1.22 H	17	73.50	30.60
5	4824.00	44.8 PK	74.0	-29.2	1.35 H	253	8.70	36.10
6	4824.00	32.0 AV	54.0	-22.0	1.35 H	253	-4.10	36.10
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	2390.00	58.9 PK	74.0	-15.1	1.03 V	168	28.40	30.50
2	2390.00	43.9 AV	54.0	-10.1	1.03 V	168	13.40	30.50
3	*2412.00	108.6 PK			1.08 V	251	78.00	30.60
4	*2412.00	96.0 AV			1.08 V	251	65.40	30.60
5	4824.00	43.2 PK	74.0	-30.8	1.65 V	43	7.10	36.10
6	4824.00	31.2 AV	54.0	-22.8	1.18 V	265	-4.90	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	117.8 PK			1.05 H	263	87.20	30.60
2	*2437.00	105.4 AV			1.05 H	263	74.80	30.60
3	4874.00	47.0 PK	74.0	-27.0	1.48 H	211	10.80	36.20
4	4874.00	34.2 AV	54.0	-19.8	1.48 H	211	-2.00	36.20
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	*2437.00	109.9 PK			1.32 V	253	79.30	30.60
2	*2437.00	97.3 AV			1.32 V	253	66.70	30.60
3	4874.00	44.5 PK	74.0	-29.5	1.27 V	153	8.30	36.20
4	4874.00	32.5 AV	54.0	-21.5	1.27 V	153	-3.70	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	116.2 PK			1.27 H	232	85.50	30.70
2	*2462.00	103.8 AV			1.27 H	232	73.10	30.70
3	2483.50	71.5 PK	74.0	-2.5	1.27 H	232	40.70	30.80
4	2483.50	52.2 AV	54.0	-1.8	1.27 H	232	21.40	30.80
5	4924.00	46.0 PK	74.0	-28.0	1.57 H	283	9.70	36.30
6	4924.00	32.5 AV	54.0	-21.5	1.57 H	283	-3.80	36.30
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	*2462.00	108.2 PK			1.52 V	247	77.50	30.70
2	*2462.00	95.7 AV			1.52 V	247	65.00	30.70
3	2483.50	61.2 PK	74.0	-12.8	1.52 V	247	30.40	30.80
4	2483.50	45.8 AV	54.0	-8.2	1.52 V	247	15.00	30.80
5	4924.00	42.9 PK	74.0	-31.1	1.35 V	43	6.60	36.30
6	4924.00	31.3 AV	54.0	-22.7	1.35 V	43	-5.00	36.30

- 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.



A D T

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.2 PK	74.0	-2.8	1.32 H	47	40.70	30.50
2	2390.00	51.5 AV	54.0	-2.5	1.32 H	47	21.00	30.50
3	*2412.00	117.0 PK			1.32 H	47	86.40	30.60
4	*2412.00	104.6 AV			1.32 H	47	74.00	30.60
5	4824.00	43.9 PK	74.0	-30.1	1.26 H	78	7.80	36.10
6	4824.00	32.0 AV	54.0	-22.0	1.26 H	78	-4.10	36.10
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	2390.00	72.2 PK	74.0	-1.8	1.46 V	223	41.70	30.50
2	2390.00	50.3 AV	54.0	-3.7	1.46 V	223	19.80	30.50
3	*2412.00	109.1 PK			1.46 V	23	78.50	30.60
4	*2412.00	96.3 AV			1.46 V	23	65.70	30.60
5	4824.00	43.7 PK	74.0	-30.3	1.63 V	257	7.60	36.10
6	4824.00	31.0 AV	54.0	-23.0	1.63 V	257	-5.10	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	117.6 PK			1.25 H	217	87.00	30.60
2	*2437.00	105.5 AV			1.25 H	217	74.90	30.60
3	4874.00	47.2 PK	74.0	-26.8	1.48 H	85	11.00	36.20
4	4874.00	33.8 AV	54.0	-20.2	1.48 H	85	-2.40	36.20
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	*2437.00	110.3 PK			1.28 V	78	79.70	30.60
2	*2437.00	97.6 AV			1.28 V	78	67.00	30.60
3	4874.00	49.3 PK	74.0	-24.7	1.04 V	236	13.10	36.20
4	4874.00	35.0 AV	54.0	-19.0	1.04 V	236	-1.20	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.9 PK			1.20 H	85	83.20	30.70
2	*2462.00	101.6 AV			1.20 H	85	70.90	30.70
3	2483.50	72.5 PK	74.0	-1.5	1.20 H	85	41.70	30.80
4	2483.50	51.5 AV	54.0	-2.5	1.20 H	85	20.70	30.80
5	4924.00	44.2 PK	74.0	-29.8	1.25 H	216	7.90	36.30
6	4924.00	32.2 AV	54.0	-21.8	1.25 H	216	-4.10	36.30

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	*2462.00	106.0 PK			1.43 V	265	75.30	30.70
2	*2462.00	93.2 AV			1.43 V	265	62.50	30.70
3	2483.50	62.8 PK	74.0	-11.2	1.43 V	265	32.00	30.80
4	2483.50	45.1 AV	54.0	-8.9	1.43 V	265	14.30	30.80
5	4924.00	44.0 PK	74.0	-30.0	1.25 V	108	7.70	36.30
6	4924.00	31.1 AV	54.0	-22.9	1.25 V	108	-5.20	36.30

- 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.



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802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.3 PK	74.0	-1.7	1.21 H	262	41.80	30.50
2	2390.00	51.1 AV	54.0	-2.9	1.21 H	262	20.60	30.50
3	*2422.00	110.5 PK			1.08 H	253	79.90	30.60
4	*2422.00	98.3 AV			1.08 H	253	67.70	30.60
5	4844.00	41.9 PK	74.0	-32.1	1.37 H	187	5.70	36.20
6	4844.00	30.0 AV	54.0	-24.0	1.37 H	187	-6.20	36.20
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	2390.00	65.3 PK	74.0	-8.7	1.22 V	265	34.80	30.50
2	2390.00	45.3 AV	54.0	-8.7	1.22 V	265	14.80	30.50
3	*2422.00	102.9 PK			1.52 V	208	72.30	30.60
4	*2422.00	90.0 AV			1.52 V	208	59.40	30.60
5	4844.00	44.3 PK	74.0	-29.7	1.25 V	63	8.10	36.20
6	4844.00	31.5 AV	54.0	-22.5	1.25 V	63	-4.70	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	66.7 PK	74.0	-7.3	1.24 H	86	36.20	30.50
2	2390.00	50.0 AV	54.0	-4.0	1.24 H	86	19.50	30.50
3	*2437.00	112.9 PK			1.24 H	86	82.30	30.60
4	*2437.00	100.6 AV			1.24 H	86	70.00	30.60
5	2483.50	72.2 PK	74.0	-1.8	1.24 H	86	41.40	30.80
6	2483.50	50.8 AV	54.0	-3.2	1.24 H	86	20.00	30.80
7	4874.00	45.5 PK	74.0	-28.5	1.54 H	92	9.30	36.20
8	4874.00	33.2 AV	54.0	-20.8	1.54 H	92	-3.00	36.20
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	2390.00	64.3 PK	74.0	-9.7	1.02 V	256	33.80	30.50
2	2390.00	45.8 AV	54.0	-8.2	1.02 V	256	15.30	30.50
3	*2437.00	105.1 PK			1.02 V	256	74.50	30.60
4	*2437.00	92.0 AV			1.02 V	256	61.40	30.60
5	2483.50	64.5 PK	74.0	-9.5	1.23 V	302	33.70	30.80
6	2483.50	46.9 AV	54.0	-7.1	1.23 V	302	16.10	30.80
7	4874.00	43.1 PK	74.0	-30.9	1.14 V	210	6.90	36.20
8	4874.00	30.5 AV	54.0	-23.5	1.14 V	210	-5.70	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

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	*2452.00	109.9 PK			1.05 H	147	79.20	30.70
2	*2452.00	97.8 AV			1.05 H	147	67.10	30.70
3	2483.50	72.5 PK	74.0	-1.5	1.05 H	147	41.70	30.80
4	2483.50	50.5 AV	54.0	-3.5	1.05 H	147	19.70	30.80
5	4904.00	46.0 PK	74.0	-28.0	1.63 H	287	9.80	36.20
6	4904.00	31.1 AV	54.0	-22.9	1.63 H	287	-5.10	36.20
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	*2452.00	102.1 PK			1.36 V	325	71.40	30.70
2	*2452.00	89.2 AV			1.36 V	325	58.50	30.70
3	2483.50	64.8 PK	74.0	-9.2	1.36 V	325	34.00	30.80
4	2483.50	46.9 AV	54.0	-7.1	1.36 V	325	16.10	30.80
5	4904.00	42.9 PK	74.0	-31.1	1.15 V	158	6.70	36.20
6	4904.00	30.0 AV	54.0	-24.0	1.15 V	158	-6.20	36.20

- 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.



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BELOW 1GHz WORST-CASE DATA : 802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1019 hPa	TESTED BY	Brad Wu

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	57.12	33.9 QP	40.0	-6.1	1.25 H	193	20.40	13.50
2	201.00	33.3 QP	43.5	-10.2	1.50 H	264	23.00	10.30
3	234.05	32.8 QP	46.0	-13.2	1.75 H	153	20.80	12.00
4	300.16	31.6 QP	46.0	-14.4	1.50 H	93	16.90	14.70
5	718.18	32.6 QP	46.0	-13.4	1.75 H	53	8.90	23.70
6	764.84	32.5 QP	46.0	-13.5	2.00 H	235	8.30	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	30.00	32.9 QP	40.0	-7.1	1.75 V	263	20.40	12.50
2	57.12	32.8 QP	40.0	-7.2	1.25 V	213	19.30	13.50
3	193.22	32.9 QP	43.5	-10.6	1.25 V	35	21.90	11.00
4	241.83	31.5 QP	46.0	-14.5	1.50 V	230	19.10	12.40
5	339.04	31.2 QP	46.0	-14.8	1.50 V	83	15.50	15.70
6	599.58	28.4 QP	46.0	-17.6	1.25 V	47	6.40	22.00

- 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.



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4.1.14 TEST RESULT (TEST MODE D 2)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.5 PK	74.0	-1.5	1.00 H	50	42.00	30.50
2	2390.00	47.9 AV	54.0	-6.1	1.00 H	50	17.40	30.50
3	*2412.00	112.1 PK			1.25 H	50	81.50	30.60
4	*2412.00	108.0 AV			1.25 H	50	77.40	30.60
5	4824.00	45.8 PK	74.0	-28.2	1.25 H	317	9.70	36.10
6	4824.00	33.3 AV	54.0	-20.7	1.25 H	317	-2.80	36.10
7	#7236.00	52.8 PK	92.1	-39.3	1.17 H	304	10.40	42.40
8	#7236.00	44.4 AV	88.0	-43.6	1.17 H	304	2.00	42.40
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	2390.00	63.4 PK	74.0	-10.6	1.24 V	325	32.90	30.50
2	2390.00	43.6 AV	54.0	-10.4	1.24 V	325	13.10	30.50
3	*2412.00	104.5 PK			1.24 V	325	73.90	30.60
4	*2412.00	100.4 AV			1.24 V	325	69.80	30.60
5	4824.00	43.6 PK	74.0	-30.4	1.02 V	33	7.50	36.10
6	4824.00	31.9 AV	54.0	-22.1	1.02 V	33	-4.20	36.10
7	#7236.00	50.9 PK	84.5	-33.6	1.11 V	348	8.50	42.40
8	#7236.00	38.0 AV	80.4	-42.4	1.11 V	348	-4.40	42.40

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	115.5 PK			1.13 H	285	84.90	30.60
2	*2437.00	111.4 AV			1.13 H	285	80.80	30.60
3	4874.00	47.7 PK	74.0	-26.3	1.25 H	266	11.50	36.20
4	4874.00	41.7 AV	54.0	-12.3	1.25 H	266	5.50	36.20
5	7311.00	58.3 PK	74.0	-15.7	1.02 H	20	15.70	42.60
6	7311.00	52.8 AV	54.0	-1.2	1.02 H	20	10.20	42.60
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	*2437.00	107.5 PK			1.44 V	313	76.90	30.60
2	*2437.00	103.4 AV			1.44 V	313	72.80	30.60
3	4874.00	47.1 PK	74.0	-26.9	1.31 V	235	10.90	36.20
4	4874.00	40.3 AV	54.0	-13.7	1.31 V	235	4.10	36.20
5	7311.00	53.3 PK	74.0	-20.7	1.47 V	344	10.70	42.60
6	7311.00	44.4 AV	54.0	-9.6	1.47 V	344	1.80	42.60

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.5 PK			1.15 H	312	82.80	30.70
2	*2462.00	109.3 AV			1.15 H	312	78.60	30.70
3	2483.50	72.3 PK	74.0	-1.7	1.15 H	312	41.50	30.80
4	2483.50	51.1 AV	54.0	-2.9	1.15 H	312	20.30	30.80
5	4924.00	44.3 PK	74.0	-29.7	1.04 H	318	8.00	36.30
6	4924.00	35.1 AV	54.0	-18.9	1.04 H	318	-1.20	36.30
7	7386.00	57.1 PK	74.0	-16.9	1.25 H	15	14.40	42.70
8	7386.00	51.2 AV	54.0	-2.8	1.25 H	15	8.50	42.70

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	105.4 PK			1.20 V	350	74.70	30.70
2	*2462.00	101.2 AV			1.20 V	350	70.50	30.70
3	2483.50	70.0 PK	74.0	-4.0	1.20 V	350	39.20	30.80
4	2483.50	44.8 AV	54.0	-9.2	1.20 V	350	14.00	30.80
5	4924.00	45.7 PK	74.0	-28.3	1.00 V	304	9.40	36.30
6	4924.00	37.4 AV	54.0	-16.6	1.00 V	304	1.10	36.30
7	7386.00	50.9 PK	74.0	-23.1	1.07 V	277	8.20	42.70
8	7386.00	40.1 AV	54.0	-13.9	1.07 V	277	-2.60	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.1 PK	74.0	-3.9	1.16 H	285	39.60	30.50
2	2390.00	52.3 AV	54.0	-1.7	1.16 H	285	21.80	30.50
3	*2412.00	117.0 PK			1.00 H	285	86.40	30.60
4	*2412.00	104.6 AV			1.00 H	285	74.00	30.60
5	4824.00	45.1 PK	74.0	-28.9	1.15 H	345	9.00	36.10
6	4824.00	32.3 AV	54.0	-21.7	1.15 H	345	-3.80	36.10
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	2390.00	59.1 PK	74.0	-14.9	1.00 V	347	28.60	30.50
2	2390.00	44.2 AV	54.0	-9.8	1.00 V	347	13.70	30.50
3	*2412.00	109.0 PK			1.00 V	347	78.40	30.60
4	*2412.00	96.5 AV			1.00 V	347	65.90	30.60
5	4824.00	43.5 PK	74.0	-30.5	1.05 V	343	7.40	36.10
6	4824.00	31.5 AV	54.0	-22.5	1.05 V	343	-4.60	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	118.2 PK			1.14 H	285	87.60	30.60
2	*2437.00	105.9 AV			1.14 H	285	75.30	30.60
3	4874.00	47.4 PK	74.0	-26.6	1.00 H	334	11.20	36.20
4	4874.00	34.6 AV	54.0	-19.4	1.00 H	334	-1.60	36.20
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	*2437.00	110.3 PK			1.47 V	351	79.70	30.60
2	*2437.00	97.8 AV			1.47 V	351	67.20	30.60
3	4874.00	44.9 PK	74.0	-29.1	1.04 V	331	8.70	36.20
4	4874.00	32.8 AV	54.0	-21.2	1.04 V	331	-3.40	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	116.5 PK			1.09 H	282	85.80	30.70
2	*2462.00	104.2 AV			1.09 H	282	73.50	30.70
3	2483.50	71.8 PK	74.0	-2.2	1.09 H	282	41.00	30.80
4	2483.50	52.3 AV	54.0	-1.7	1.09 H	282	21.50	30.80
5	4924.00	46.5 PK	74.0	-27.5	1.03 H	319	10.20	36.30
6	4924.00	32.9 AV	54.0	-21.1	1.03 H	319	-3.40	36.30
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	*2462.00	108.6 PK			1.63 V	265	77.90	30.70
2	*2462.00	96.1 AV			1.63 V	265	65.40	30.70
3	2483.50	61.7 PK	74.0	-12.3	1.63 V	265	30.90	30.80
4	2483.50	46.2 AV	54.0	-7.8	1.63 V	265	15.40	30.80
5	4924.00	43.1 PK	74.0	-30.9	1.01 V	325	6.80	36.30
6	4924.00	31.7 AV	54.0	-22.3	1.01 V	325	-4.60	36.30

- 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.



A D T

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.5 PK	74.0	-2.5	1.15 H	284	41.00	30.50
2	2390.00	51.7 AV	54.0	-2.3	1.15 H	284	21.20	30.50
3	*2412.00	117.4 PK			1.15 H	284	86.80	30.60
4	*2412.00	105.0 AV			1.15 H	284	74.40	30.60
5	4824.00	44.2 PK	74.0	-29.8	1.19 H	6	8.10	36.10
6	4824.00	32.4 AV	54.0	-21.6	1.19 H	6	-3.70	36.10
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	2390.00	72.4 PK	74.0	-1.6	1.52 V	355	41.90	30.50
2	2390.00	50.6 AV	54.0	-3.4	1.52 V	355	20.10	30.50
3	*2412.00	109.5 PK			1.52 V	355	78.90	30.60
4	*2412.00	96.9 AV			1.52 V	355	66.30	30.60
5	4824.00	44.1 PK	74.0	-29.9	1.04 V	348	8.00	36.10
6	4824.00	31.3 AV	54.0	-22.7	1.04 V	348	-4.80	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	120.2 PK			1.13 H	288	89.60	30.60
2	*2437.00	108.3 AV			1.13 H	288	77.70	30.60
3	4874.00	47.6 PK	74.0	-26.4	1.21 H	291	11.40	36.20
4	4874.00	34.2 AV	54.0	-19.8	1.21 H	291	-2.00	36.20
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	*2437.00	112.6 PK			1.51 V	343	82.00	30.60
2	*2437.00	100.0 AV			1.51 V	343	69.40	30.60
3	4874.00	49.7 PK	74.0	-24.3	1.11 V	307	13.50	36.20
4	4874.00	35.4 AV	54.0	-18.6	1.11 V	307	-0.80	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	114.3 PK			1.12 H	292	83.60	30.70
2	*2462.00	102.0 AV			1.12 H	292	71.30	30.70
3	2483.50	72.8 PK	74.0	-1.2	1.12 H	292	42.00	30.80
4	2483.50	51.8 AV	54.0	-2.2	1.12 H	292	21.00	30.80
5	4924.00	44.5 PK	74.0	-29.5	1.07 H	338	8.20	36.30
6	4924.00	32.6 AV	54.0	-21.4	1.07 H	338	-3.70	36.30
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	*2462.00	106.4 PK			1.50 V	356	75.70	30.70
2	*2462.00	93.8 AV			1.50 V	356	63.10	30.70
3	2483.50	63.2 PK	74.0	-10.8	1.50 V	356	32.40	30.80
4	2483.50	45.5 AV	54.0	-8.5	1.50 V	356	14.70	30.80
5	4924.00	44.3 PK	74.0	-29.7	1.06 V	353	8.00	36.30
6	4924.00	31.5 AV	54.0	-22.5	1.06 V	353	-4.80	36.30

- 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.



A D T

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.5 PK	74.0	-1.5	1.16 H	282	42.00	30.50
2	2390.00	51.5 AV	54.0	-2.5	1.16 H	282	21.00	30.50
3	*2422.00	111.0 PK			1.16 H	282	80.40	30.60
4	*2422.00	98.8 AV			1.16 H	282	68.20	30.60
5	4844.00	42.2 PK	74.0	-31.8	1.02 H	347	6.00	36.20
6	4844.00	30.1 AV	54.0	-23.9	1.02 H	347	-6.10	36.20
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	2390.00	65.7 PK	74.0	-8.3	1.48 V	346	35.20	30.50
2	2390.00	45.6 AV	54.0	-8.4	1.48 V	346	15.10	30.50
3	*2422.00	103.2 PK			1.48 V	346	72.60	30.60
4	*2422.00	90.3 AV			1.48 V	346	59.70	30.60
5	4844.00	44.6 PK	74.0	-29.4	1.08 V	329	8.40	36.20
6	4844.00	31.7 AV	54.0	-22.3	1.08 V	329	-4.50	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.0 PK	74.0	-7.0	1.15 H	296	36.50	30.50
2	2390.00	50.3 AV	54.0	-3.7	1.15 H	296	19.80	30.50
3	*2437.00	113.3 PK			1.15 H	292	82.70	30.60
4	*2437.00	101.1 AV			1.15 H	292	70.50	30.60
5	2483.50	72.4 PK	74.0	-1.6	1.15 H	292	41.60	30.80
6	2483.50	51.0 AV	54.0	-3.0	1.15 H	292	20.20	30.80
7	4874.00	45.9 PK	74.0	-28.1	1.10 H	345	9.70	36.20
8	4874.00	33.5 AV	54.0	-20.5	1.10 H	345	-2.70	36.20
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	2390.00	64.7 PK	74.0	-9.3	1.00 V	349	34.20	30.50
2	2390.00	46.1 AV	54.0	-7.9	1.00 V	349	15.60	30.50
3	*2437.00	105.5 PK			1.49 V	349	74.90	30.60
4	*2437.00	92.4 AV			1.49 V	349	61.80	30.60
5	2483.50	64.9 PK	74.0	-9.1	1.49 V	349	34.10	30.80
6	2483.50	47.2 AV	54.0	-6.8	1.49 V	349	16.40	30.80
7	4874.00	43.5 PK	74.0	-30.5	1.02 V	338	7.30	36.20
8	4874.00	30.7 AV	54.0	-23.3	1.02 V	338	-5.50	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1016 hPa	TESTED BY	Kevin Liang

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	*2452.00	110.4 PK			1.12 H	281	79.70	30.70
2	*2452.00	98.2 AV			1.12 H	281	67.50	30.70
3	2483.50	72.6 PK	74.0	-1.4	1.11 H	281	41.80	30.80
4	2483.50	50.9 AV	54.0	-3.1	1.11 H	281	20.10	30.80
5	4904.00	46.4 PK	74.0	-27.6	1.05 H	352	10.20	36.20
6	4904.00	31.6 AV	54.0	-22.4	1.05 H	352	-4.60	36.20
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	*2452.00	102.6 PK			1.48 V	355	71.90	30.70
2	*2452.00	89.7 AV			1.48 V	355	59.00	30.70
3	2483.50	65.2 PK	74.0	-8.8	1.48 V	355	34.40	30.80
4	2483.50	47.2 AV	54.0	-6.8	1.48 V	355	16.40	30.80
5	4904.00	43.2 PK	74.0	-30.8	1.07 V	339	7.00	36.20
6	4904.00	30.1 AV	54.0	-23.9	1.07 V	339	-6.10	36.20

- 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.



A D T

BELOW 1GHz WORST-CASE DATA : 802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1019 hPa	TESTED BY	Brad Wu

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	57.12	34.3 QP	40.0	-5.7	1.00 H	241	20.80	13.50
2	201.00	34.2 QP	43.5	-9.3	1.50 H	214	23.90	10.30
3	300.16	30.4 QP	46.0	-15.6	1.50 H	1	15.70	14.70
4	339.04	29.7 QP	46.0	-16.3	1.50 H	208	14.00	15.70
5	500.42	32.6 QP	46.0	-13.4	2.00 H	82	12.80	19.80
6	792.06	31.0 QP	46.0	-15.0	2.00 H	199	6.50	24.50

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	57.12	33.8 QP	40.0	-6.2	1.00 V	208	20.30	13.50
2	193.22	33.4 QP	43.5	-10.1	1.50 V	181	22.40	11.00
3	300.16	31.0 QP	46.0	-15.0	1.00 V	10	16.30	14.70
4	339.04	30.1 QP	46.0	-15.9	1.50 V	13	14.40	15.70
5	498.47	28.6 QP	46.0	-17.4	1.00 V	115	8.80	19.80
6	764.84	31.1 QP	46.0	-14.9	2.00 V	109	6.90	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.



A D T

4.1.15 TEST RESULT (TEST MODE E 1)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1010 hPa	TESTED BY	Mark Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2386.00	70.2 PK	74.0	-3.8	1.02 H	36	39.70	30.50
2	2386.00	52.7 AV	54.0	-1.3	1.02 H	36	22.20	30.50
3	*2412.00	113.9 PK			1.18 H	63	83.30	30.60
4	*2412.00	110.0 AV			1.18 H	63	79.40	30.60
5	4824.00	49.3 PK	74.0	-24.7	1.45 H	223	13.20	36.10
6	4824.00	43.8 AV	54.0	-10.2	1.45 H	223	7.70	36.10
7	#7236.00	55.5 PK	93.9	-38.4	1.72 H	265	13.10	42.40
8	#7236.00	49.3 AV	90.0	-40.7	1.72 H	265	6.90	42.40
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	2386.00	67.3 PK	74.0	-6.7	1.02 V	221	36.80	30.50
2	2386.00	49.4 AV	54.0	-4.6	1.02 V	221	18.90	30.50
3	*2412.00	107.5 PK			1.07 V	193	76.90	30.60
4	*2412.00	103.5 AV			1.07 V	193	72.90	30.60
5	4824.00	49.7 PK	74.0	-24.3	1.52 V	138	13.60	36.10
6	4824.00	45.5 AV	54.0	-8.5	1.52 V	138	9.40	36.10
7	#7236.00	55.2 PK	87.5	-32.3	1.23 V	182	12.80	42.40
8	#7236.00	49.0 AV	83.5	-34.5	1.23 V	182	6.60	42.40

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1010 hPa	TESTED BY	Mark Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	116.0 PK			1.25 H	247	85.40	30.60
2	*2437.00	112.1 AV			1.25 H	247	81.50	30.60
3	4874.00	54.3 PK	74.0	-19.7	1.23 H	281	18.10	36.20
4	4874.00	51.5 AV	54.0	-2.5	1.23 H	281	15.30	36.20
5	7311.00	54.1 PK	74.0	-19.9	1.06 H	352	11.50	42.60
6	7311.00	47.0 AV	54.0	-7.0	1.06 H	352	4.40	42.60
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	*2437.00	109.2 PK			1.32 V	298	78.60	30.60
2	*2437.00	105.2 AV			1.32 V	298	74.60	30.60
3	4874.00	54.5 PK	74.0	-19.5	1.04 V	52	18.30	36.20
4	4874.00	52.8 AV	54.0	-1.2	1.04 V	52	16.60	36.20
5	7311.00	54.9 PK	74.0	-19.1	1.62 V	307	12.30	42.60
6	7311.00	48.3 AV	54.0	-5.7	1.62 V	307	5.70	42.60

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1010 hPa	TESTED BY	Mark Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	114.0 PK			1.08 H	217	83.30	30.70
2	*2462.00	110.3 AV			1.08 H	217	79.60	30.70
3	2483.50	72.5 PK	74.0	-1.5	1.03 H	157	41.70	30.80
4	2483.50	52.4 AV	54.0	-1.6	1.03 H	157	21.60	30.80
5	4924.00	51.2 PK	74.0	-22.8	1.43 H	269	14.90	36.30
6	4924.00	47.5 AV	54.0	-6.5	1.43 H	269	11.20	36.30
7	7386.00	53.8 PK	74.0	-20.2	1.52 H	63	11.10	42.70
8	7386.00	45.9 AV	54.0	-8.1	1.52 H	63	3.20	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	107.2 PK			1.28 V	209	76.50	30.70
2	*2462.00	103.2 AV			1.28 V	209	72.50	30.70
3	2483.50	64.1 PK	74.0	-9.9	1.25 V	236	33.30	30.80
4	2483.50	49.3 AV	54.0	-4.7	1.25 V	236	18.50	30.80
5	4924.00	52.2 PK	74.0	-21.8	1.07 V	48	15.90	36.30
6	4924.00	49.0 AV	54.0	-5.0	1.07 V	48	12.70	36.30
7	7386.00	54.2 PK	74.0	-19.8	1.02 V	343	11.50	42.70
8	7386.00	47.1 AV	54.0	-6.9	1.02 V	343	4.40	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1010 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.5 PK	74.0	-1.5	1.05 H	113	42.00	30.50
2	2390.00	51.7 AV	54.0	-2.3	1.05 H	113	21.20	30.50
3	*2412.00	111.0 PK			1.08 H	67	80.40	30.60
4	*2412.00	98.6 AV			1.08 H	67	68.00	30.60
5	4824.00	45.9 PK	74.0	-28.1	1.65 H	168	9.80	36.10
6	4824.00	34.9 AV	54.0	-19.1	1.65 H	168	-1.20	36.10

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	2390.00	65.1 PK	74.0	-8.9	1.45 V	299	34.60	30.50
2	2390.00	46.5 AV	54.0	-7.5	1.45 V	299	16.00	30.50
3	*2412.00	103.5 PK			1.21 V	89	72.90	30.60
4	*2412.00	92.0 AV			1.21 V	89	61.40	30.60
5	4824.00	46.7 PK	74.0	-27.3	1.41 V	283	10.60	36.10
6	4824.00	35.9 AV	54.0	-18.1	1.41 V	283	-0.20	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1010 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	117.8 PK			1.05 H	69	87.20	30.60
2	*2437.00	104.8 AV			1.05 H	69	74.20	30.60
3	4874.00	47.5 PK	74.0	-26.5	1.22 H	328	11.30	36.20
4	4874.00	37.2 AV	54.0	-16.8	1.22 H	325	1.00	36.20
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	*2437.00	111.0 PK			1.26 V	321	80.40	30.60
2	*2437.00	98.9 AV			1.26 V	321	68.30	30.60
3	4874.00	47.8 PK	74.0	-26.2	1.36 V	275	11.60	36.20
4	4874.00	37.5 AV	54.0	-16.5	1.36 V	275	1.30	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1010 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.9 PK			1.07 H	102	83.20	30.70
2	*2462.00	101.0 AV			1.07 H	102	70.30	30.70
3	2483.50	72.2 PK	74.0	-1.8	1.03 H	23	41.40	30.80
4	2483.50	52.3 AV	54.0	-1.7	1.03 H	23	21.50	30.80
5	4924.00	46.2 PK	74.0	-27.8	1.57 H	193	9.90	36.30
6	4924.00	34.8 AV	54.0	-19.2	1.57 H	193	-1.50	36.30
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	*2462.00	106.8 PK			1.42 V	198	76.10	30.70
2	*2462.00	94.5 AV			1.42 V	198	63.80	30.70
3	2483.50	65.3 PK	74.0	-8.7	1.34 V	269	34.50	30.80
4	2483.50	46.9 AV	54.0	-7.1	1.34 V	269	16.10	30.80
5	4924.00	48.3 PK	74.0	-25.7	1.13 V	265	12.00	36.30
6	4924.00	36.2 AV	54.0	-17.8	1.13 V	265	-0.10	36.30

- 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.



A D T

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1010 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.1 PK	74.0	-1.9	1.68 H	102	41.60	30.50
2	2390.00	51.3 AV	54.0	-2.7	1.68 H	102	20.80	30.50
3	*2412.00	110.6 PK			1.47 H	153	80.00	30.60
4	*2412.00	98.3 AV			1.47 H	153	67.70	30.60
5	4824.00	45.2 PK	74.0	-28.8	1.62 H	178	9.10	36.10
6	4824.00	34.6 AV	54.0	-19.4	1.62 H	178	-1.50	36.10
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	2390.00	65.0 PK	74.0	-9.0	1.09 V	152	34.50	30.50
2	2390.00	46.3 AV	54.0	-7.7	1.09 V	152	15.80	30.50
3	*2412.00	103.1 PK			1.69 V	165	72.50	30.60
4	*2412.00	91.9 AV			1.69 V	165	61.30	30.60
5	4924.00	46.3 PK	74.0	-27.7	1.22 V	327	10.00	36.30
6	4924.00	35.7 AV	54.0	-18.3	1.22 V	327	-0.60	36.30

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1010 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	117.6 PK			1.53 H	232	87.00	30.60
2	*2437.00	104.7 AV			1.53 H	232	74.10	30.60
3	4874.00	47.1 PK	74.0	-26.9	1.27 H	168	10.90	36.20
4	4874.00	36.2 AV	54.0	-17.8	1.27 H	168	0.00	36.20
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	*2437.00	110.7 PK			1.33 V	147	80.10	30.60
2	*2437.00	98.2 AV			1.33 V	147	67.60	30.60
3	4874.00	47.9 PK	74.0	-26.1	1.05 V	253	11.70	36.20
4	4874.00	37.1 AV	54.0	-16.9	1.05 V	153	0.90	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1010 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.5 PK			1.48 H	19	82.80	30.70
2	*2462.00	100.6 AV			1.48 H	19	69.90	30.70
3	2483.50	72.1 PK	74.0	-1.9	1.23 H	85	41.30	30.80
4	2483.50	52.5 AV	54.0	-1.5	1.23 H	85	21.70	30.80
5	4924.00	45.8 PK	74.0	-28.2	1.25 H	192	9.50	36.30
6	4924.00	35.0 AV	54.0	-19.0	1.25 H	192	-1.30	36.30
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	*2462.00	106.5 PK			1.31 V	53	75.80	30.70
2	*2462.00	93.9 AV			1.31 V	53	63.20	30.70
3	2483.50	65.2 PK	74.0	-8.8	1.37 V	65	34.40	30.80
4	2483.50	46.5 AV	54.0	-7.5	1.37 V	65	15.70	30.80
5	4924.00	48.0 PK	74.0	-26.0	1.82 V	269	11.70	36.30
6	4924.00	36.3 AV	54.0	-17.7	1.82 V	269	0.00	36.30

- 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.



A D T

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.5 PK	74.0	-2.5	1.63 H	127	41.00	30.50
2	2390.00	52.8 AV	54.0	-1.2	1.63 H	127	22.30	30.50
3	*2422.00	108.2 PK			1.52 H	105	77.60	30.60
4	*2422.00	95.3 AV			1.52 H	105	64.70	30.60
5	4844.00	45.2 PK	74.0	-28.8	1.25 H	43	9.00	36.20
6	4844.00	35.0 AV	54.0	-19.0	1.25 H	43	-1.20	36.20

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	2390.00	66.5 PK	74.0	-7.5	1.29 V	241	36.00	30.50
2	2390.00	49.1 AV	54.0	-4.9	1.29 V	241	18.60	30.50
3	*2422.00	101.2 PK			1.33 V	265	70.60	30.60
4	*2422.00	88.2 AV			1.33 V	265	57.60	30.60
5	4844.00	47.0 PK	74.0	-27.0	1.20 V	105	10.80	36.20
6	4844.00	36.1 AV	54.0	-17.9	1.20 V	105	-0.10	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.8 PK	74.0	-1.2	1.23 H	104	42.30	30.50
2	2390.00	52.5 AV	54.0	-1.5	1.23 H	104	22.00	30.50
3	*2437.00	110.3 PK			1.05 H	143	79.70	30.60
4	*2437.00	95.1 AV			1.05 H	143	64.50	30.60
5	4874.00	45.2 PK	74.0	-28.8	1.09 H	285	9.00	36.20
6	4874.00	35.9 AV	54.0	-18.1	1.09 H	285	-0.30	36.20
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	*2437.00	102.9 PK			1.24 V	308	72.30	30.60
2	*2437.00	89.8 AV			1.24 V	308	59.20	30.60
3	4874.00	47.5 PK	74.0	-26.5	1.52 V	108	11.30	36.20
4	4874.00	37.3 AV	54.0	-16.7	1.52 V	108	1.10	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	108.3 PK			1.15 H	352	77.60	30.70
2	*2452.00	95.6 AV			1.15 H	352	64.90	30.70
3	2483.50	72.5 PK	74.0	-1.5	1.20 H	169	41.70	30.80
4	2483.50	52.8 AV	54.0	-1.2	1.20 H	169	22.00	30.80
5	4904.00	45.2 PK	74.0	-28.8	1.43 H	278	9.00	36.20
6	4904.00	35.0 AV	54.0	-19.0	1.43 H	278	-1.20	36.20
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	*2452.00	101.2 PK			1.38 V	305	70.50	30.70
2	*2452.00	88.4 AV			1.38 V	305	57.70	30.70
3	2483.50	66.8 PK	74.0	-7.2	1.33 V	314	36.00	30.80
4	2483.50	49.3 AV	54.0	-4.7	1.33 V	314	18.50	30.80
5	4904.00	47.2 PK	74.0	-26.8	1.48 V	58	11.00	36.20
6	4904.00	36.9 AV	54.0	-17.1	1.48 V	58	0.70	36.20

- 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.



A D T

BELOW 1GHz WORST-CASE DATA : DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1010 hPa	TESTED BY	Brad Wu

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	99.89	33.0 QP	43.5	-10.5	1.50 H	253	22.90	10.10
2	232.11	32.7 QP	46.0	-13.3	1.25 H	203	20.80	11.90
3	298.21	33.9 QP	46.0	-12.1	1.25 H	157	19.30	14.60
4	529.58	33.1 QP	46.0	-12.9	1.75 H	169	12.60	20.50
5	665.68	38.0 QP	46.0	-8.0	1.25 H	205	14.90	23.10
6	918.44	33.6 QP	46.0	-12.4	1.75 H	63	7.40	26.20

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	30.00	29.0 QP	40.0	-11.0	1.32 V	205	16.50	12.50
2	64.90	29.8 QP	40.0	-10.2	1.25 V	103	17.20	12.60
3	132.95	27.9 QP	43.5	-15.6	1.75 V	99	14.50	13.40
4	529.58	34.4 QP	46.0	-11.6	1.25 V	62	13.90	20.50
5	667.63	37.4 QP	46.0	-8.6	1.75 V	108	14.30	23.10
6	770.67	32.2 QP	46.0	-13.8	1.75 V	193	7.90	24.30

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.



A D T

4.1.16 TEST RESULT (TEST MODE E 2)

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Mark Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2386.00	70.6 PK	74.0	-3.4	1.00 H	319	40.10	30.50
2	2386.00	52.9 AV	54.0	-1.1	1.00 H	319	22.40	30.50
3	*2412.00	114.1 PK			1.20 H	285	83.50	30.60
4	*2412.00	110.2 AV			1.20 H	285	79.60	30.60
5	4824.00	49.5 PK	74.0	-24.5	1.28 H	235	13.40	36.10
6	4824.00	44.0 AV	54.0	-10.0	1.28 H	235	7.90	36.10
7	#7236.00	55.8 PK	94.1	-38.3	1.81 H	22	13.40	42.40
8	#7236.00	49.5 AV	90.2	-40.7	1.81 H	22	7.10	42.40
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	2386.00	67.8 PK	74.0	-6.2	1.00 V	33	37.30	30.50
2	2386.00	49.7 AV	54.0	-4.3	1.00 V	33	19.20	30.50
3	*2412.00	107.9 PK			1.11 V	22	77.30	30.60
4	*2412.00	103.8 AV			1.11 V	22	73.20	30.60
5	4824.00	50.1 PK	74.0	-23.9	1.58 V	234	14.00	36.10
6	4824.00	45.9 AV	54.0	-8.1	1.58 V	234	9.80	36.10
7	#7236.00	55.5 PK	87.9	-32.4	1.66 V	306	13.10	42.40
8	#7236.00	49.3 AV	83.8	-34.5	1.66 V	306	6.90	42.40

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Mark Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	116.3 PK			1.16 H	241	85.70	30.60
2	*2437.00	112.5 AV			1.16 H	241	81.90	30.60
3	4874.00	54.5 PK	74.0	-19.5	1.04 H	209	18.30	36.20
4	4874.00	51.8 AV	54.0	-2.2	1.04 H	209	15.60	36.20
5	7311.00	54.6 PK	74.0	-19.4	1.02 H	7	12.00	42.60
6	7311.00	47.4 AV	54.0	-6.6	1.02 H	7	4.80	42.60
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	*2437.00	109.7 PK			1.05 V	12	79.10	30.60
2	*2437.00	105.9 AV			1.05 V	12	75.30	30.60
3	4874.00	54.8 PK	74.0	-19.2	1.10 V	168	18.60	36.20
4	4874.00	53.0 AV	54.0	-1.0	1.10 V	168	16.80	36.20
5	7311.00	55.2 PK	74.0	-18.8	1.47 V	316	12.60	42.60
6	7311.00	48.8 AV	54.0	-5.2	1.47 V	316	6.20	42.60

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Mark Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	114.3 PK			1.13 H	250	83.60	30.70
2	*2462.00	110.6 AV			1.13 H	250	79.90	30.70
3	2483.50	72.8 PK	74.0	-1.2	1.32 H	317	42.00	30.80
4	2483.50	52.7 AV	54.0	-1.3	1.32 H	317	21.90	30.80
5	4924.00	51.6 PK	74.0	-22.4	1.15 H	195	15.30	36.30
6	4924.00	48.0 AV	54.0	-6.0	1.15 H	195	11.70	36.30
7	7386.00	54.1 PK	74.0	-19.9	1.15 H	134	11.40	42.70
8	7386.00	46.2 AV	54.0	-7.8	1.15 H	134	3.50	42.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	107.6 PK			1.07 V	55	76.90	30.70
2	*2462.00	103.5 AV			1.07 V	55	72.80	30.70
3	2483.50	64.6 PK	74.0	-9.4	1.11 V	25	33.80	30.80
4	2483.50	49.8 AV	54.0	-4.2	1.11 V	25	19.00	30.80
5	4924.00	52.7 PK	74.0	-21.3	1.01 V	115	16.40	36.30
6	4924.00	49.4 AV	54.0	-4.6	1.01 V	115	13.10	36.30
7	7386.00	54.6 PK	74.0	-19.4	1.00 V	309	11.90	42.70
8	7386.00	47.5 AV	54.0	-6.5	1.00 V	309	4.80	42.70

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.7 PK	74.0	-1.3	1.00 H	34	42.20	30.50
2	2390.00	51.9 AV	54.0	-2.1	1.00 H	34	21.40	30.50
3	*2412.00	111.2 PK			1.00 H	34	80.60	30.60
4	*2412.00	98.8 AV			1.00 H	34	68.20	30.60
5	4824.00	46.1 PK	74.0	-27.9	1.05 H	243	10.00	36.10
6	4824.00	35.1 AV	54.0	-18.9	1.05 H	243	-1.00	36.10

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	2390.00	65.4 PK	74.0	-8.6	1.00 V	306	34.90	30.50
2	2390.00	46.9 AV	54.0	-7.1	1.00 V	306	16.40	30.50
3	*2412.00	103.8 PK			1.02 V	308	73.20	30.60
4	*2412.00	92.4 AV			1.02 V	308	61.80	30.60
5	4824.00	47.1 PK	74.0	-26.9	1.35 V	47	11.00	36.10
6	4824.00	36.2 AV	54.0	-17.8	1.35 V	47	0.10	36.10

- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * “: Fundamental frequency.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	118.2 PK			1.00 H	38	87.60	30.60
2	*2437.00	105.2 AV			1.00 H	38	74.60	30.60
3	4874.00	47.5 PK	74.0	-26.5	1.08 H	339	11.30	36.20
4	4874.00	36.9 AV	54.0	-17.1	1.08 H	339	0.70	36.20
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	*2437.00	111.3 PK			1.38 V	15	80.70	30.60
2	*2437.00	99.2 AV			1.38 V	15	68.60	30.60
3	4874.00	48.3 PK	74.0	-25.7	1.15 V	69	12.10	36.20
4	4874.00	37.9 AV	54.0	-16.1	1.15 V	69	1.70	36.20

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	114.1 PK			1.13 H	58	83.40	30.70
2	*2462.00	101.2 AV			1.13 H	58	70.50	30.70
3	2483.50	72.3 PK	74.0	-1.7	1.13 H	57	41.50	30.80
4	2483.50	52.4 AV	54.0	-1.6	1.13 H	57	21.60	30.80
5	4924.00	46.7 PK	74.0	-27.3	1.05 H	32	10.40	36.30
6	4924.00	35.3 AV	54.0	-18.7	1.05 H	32	-1.00	36.30

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	*2462.00	107.2 PK			1.38 V	335	76.50	30.70
2	*2462.00	94.9 AV			1.38 V	335	64.20	30.70
3	2483.50	65.9 PK	74.0	-8.1	1.38 V	335	35.10	30.80
4	2483.50	47.2 AV	54.0	-6.8	1.38 V	335	16.40	30.80
5	4924.00	48.8 PK	74.0	-25.2	1.08 V	321	12.50	36.30
6	4924.00	36.9 AV	54.0	-17.1	1.08 V	321	0.60	36.30

- 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.



A D T

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	72.2 PK	74.0	-1.8	1.76 H	60	41.70	30.50
2	2390.00	51.5 AV	54.0	-2.5	1.76 H	60	21.00	30.50
3	*2412.00	110.8 PK			1.02 H	47	80.20	30.60
4	*2412.00	98.5 AV			1.02 H	47	67.90	30.60
5	4824.00	45.8 PK	74.0	-28.2	1.23 H	205	9.70	36.10
6	4824.00	34.9 AV	54.0	-19.1	1.23 H	205	-1.20	36.10
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	2390.00	65.2 PK	74.0	-8.8	1.00 V	269	34.70	30.50
2	2390.00	46.7 AV	54.0	-7.3	1.00 V	269	16.20	30.50
3	*2412.00	103.5 PK			1.21 V	105	72.90	30.60
4	*2412.00	92.2 AV			1.21 V	105	61.60	30.60
5	4924.00	46.7 PK	74.0	-27.3	1.36 V	52	10.40	36.30
6	4924.00	36.1 AV	54.0	-17.9	1.36 V	52	-0.20	36.30

- 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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	118.0 PK			1.02 H	78	87.40	30.60
2	*2437.00	105.1 AV			1.02 H	78	74.50	30.60
3	4874.00	47.2 PK	74.0	-26.8	1.23 H	63	11.00	36.20
4	4874.00	36.7 AV	54.0	-17.3	1.23 H	63	0.50	36.20
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	*2437.00	111.0 PK			1.29 V	41	80.40	30.60
2	*2437.00	98.8 AV			1.29 V	41	68.20	30.60
3	4874.00	48.1 PK	74.0	-25.9	1.31 V	213	11.90	36.20
4	4874.00	37.5 AV	54.0	-16.5	1.31 V	213	1.30	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	113.9 PK			1.59 H	58	83.20	30.70
2	*2462.00	100.9 AV			1.59 H	58	70.20	30.70
3	2483.50	72.3 PK	74.0	-1.7	1.68 H	61	41.50	30.80
4	2483.50	52.7 AV	54.0	-1.3	1.68 H	61	21.90	30.80
5	4924.00	46.5 PK	74.0	-27.5	1.37 H	169	10.20	36.30
6	4924.00	35.5 AV	54.0	-18.5	1.37 H	169	-0.80	36.30
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	*2462.00	106.9 PK			1.17 V	253	76.20	30.70
2	*2462.00	94.2 AV			1.17 V	253	63.50	30.70
3	2483.50	65.5 PK	74.0	-8.5	1.20 V	258	34.70	30.80
4	2483.50	47.0 AV	54.0	-7.0	1.20 V	258	16.20	30.80
5	4924.00	48.5 PK	74.0	-25.5	1.29 V	232	12.20	36.30
6	4924.00	36.7 AV	54.0	-17.3	1.29 V	232	0.40	36.30

- 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.



A D T

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.7 PK	74.0	-2.3	1.39 H	80	41.20	30.50
2	2390.00	53.0 AV	54.0	-1.0	1.39 H	80	22.50	30.50
3	*2422.00	109.4 PK			1.40 H	99	78.80	30.60
4	*2422.00	96.5 AV			1.40 H	99	65.90	30.60
5	4844.00	45.8 PK	74.0	-28.2	1.13 H	217	9.60	36.20
6	4844.00	35.3 AV	54.0	-18.7	1.13 H	217	-0.90	36.20
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	2390.00	66.9 PK	74.0	-7.1	1.02 V	178	36.40	30.50
2	2390.00	49.5 AV	54.0	-4.5	1.02 V	178	19.00	30.50
3	*2422.00	100.6 PK			1.00 V	307	70.00	30.60
4	*2422.00	88.5 AV			1.00 V	307	57.90	30.60
5	4844.00	47.3 PK	74.0	-26.7	1.05 V	92	11.10	36.20
6	4844.00	36.5 AV	54.0	-17.5	1.05 V	92	0.30	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	73.0 PK	74.0	-1.0	1.00 H	33	42.50	30.50
2	2390.00	52.7 AV	54.0	-1.3	1.00 H	33	22.20	30.50
3	*2437.00	109.8 PK			1.00 H	35	79.20	30.60
4	*2437.00	97.0 AV			1.00 H	35	66.40	30.60
5	4874.00	45.9 PK	74.0	-28.1	1.08 H	253	9.70	36.20
6	4874.00	36.1 AV	54.0	-17.9	1.08 H	253	-0.10	36.20
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	*2437.00	102.1 PK			1.05 V	165	71.50	30.60
2	*2437.00	90.2 AV			1.05 V	165	59.60	30.60
3	4874.00	47.9 PK	74.0	-26.1	1.31 V	57	11.70	36.20
4	4874.00	37.8 AV	54.0	-16.2	1.31 V	57	1.60	36.20

- 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.



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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1018 hPa	TESTED BY	Sun Lin

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	108.5 PK			1.35 H	102	77.80	30.70
2	*2452.00	95.7 AV			1.35 H	102	65.00	30.70
3	2483.50	72.2 PK	74.0	-1.8	1.00 H	36	41.40	30.80
4	2483.50	52.5 AV	54.0	-1.5	1.00 H	36	21.70	30.80
5	4904.00	45.7 PK	74.0	-28.3	1.04 H	288	9.50	36.20
6	4904.00	35.4 AV	54.0	-18.6	1.04 H	288	-0.80	36.20
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	*2452.00	100.8 PK			1.02 V	355	70.10	30.70
2	*2452.00	88.9 AV			1.02 V	355	58.20	30.70
3	2483.50	67.0 PK	74.0	-7.0	1.00 V	327	36.20	30.80
4	2483.50	49.8 AV	54.0	-4.2	1.00 V	327	19.00	30.80
5	4904.00	47.5 PK	74.0	-26.5	1.02 V	105	11.30	36.20
6	4904.00	37.2 AV	54.0	-16.8	1.02 V	105	1.00	36.20

- 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.



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BELOW 1GHz WORST-CASE DATA : 802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1016 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	132.95	34.0 QP	43.5	-9.5	1.50 H	163	20.60	13.40
2	199.05	33.7 QP	43.5	-9.8	1.00 H	172	23.40	10.30
3	298.21	34.2 QP	46.0	-11.8	1.00 H	178	19.60	14.60
4	498.47	33.2 QP	46.0	-12.8	1.50 H	46	13.40	19.80
5	665.68	38.8 QP	46.0	-7.2	1.00 H	91	15.70	23.10
6	900.94	33.5 QP	46.0	-12.5	1.50 H	238	7.60	25.90
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	28.7 QP	40.0	-11.3	1.00 V	184	16.10	12.60
2	300.16	29.5 QP	46.0	-16.5	1.50 V	202	14.80	14.70
3	529.58	33.2 QP	46.0	-12.8	1.00 V	1	12.70	20.50
4	667.63	37.0 QP	46.0	-9.0	2.00 V	166	13.90	23.10
5	770.67	31.8 QP	46.0	-14.2	2.00 V	160	7.50	24.30
6	926.22	35.4 QP	46.0	-10.6	1.50 V	10	9.10	26.30

- 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.



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4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

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

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100288	Sep. 30, 2010	Sep. 29, 2011
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 31, 2009	Dec. 30, 2010
LISN ROHDE & SCHWARZ	ESH2-Z5	100100	Dec. 25, 2009	Dec. 24, 2010
LISN ROHDE & SCHWARZ	ESH3-Z5	100311	Jul. 08, 2010	Jul. 07, 2011
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 2.
3. The VCCI Site Registration No. is C-2047.



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4.2.3 TEST PROCEDURES

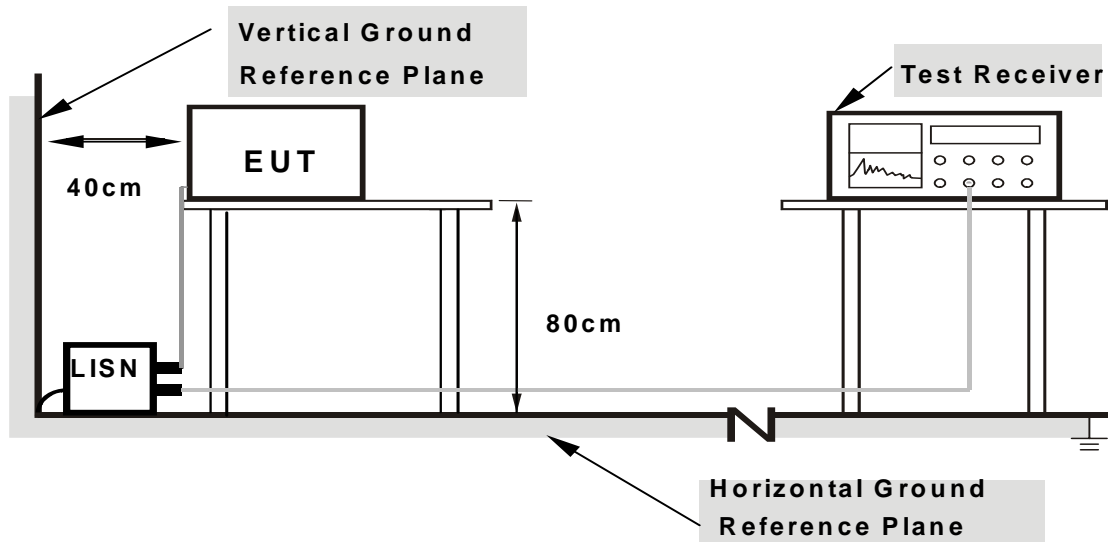
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling 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.

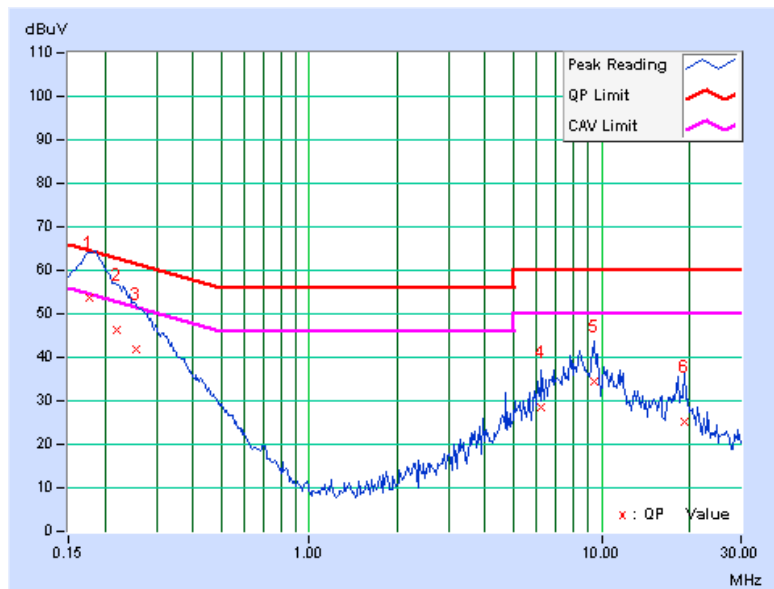
4.2.7 TEST RESULTS (TEST MODE A 1)

CONDUCTED WORST-CASE DATA : 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.16	53.57	-	53.73	-	64.61	54.61	-10.88	-
2	0.220	0.16	46.18	-	46.34	-	62.81	52.81	-16.47	-
3	0.255	0.17	41.63	-	41.80	-	61.58	51.58	-19.78	-
4	6.215	0.35	28.19	-	28.54	-	60.00	50.00	-31.46	-
5	9.445	0.35	34.24	-	34.59	-	60.00	50.00	-25.41	-
6	19.316	0.66	24.62	-	25.28	-	60.00	50.00	-34.72	-

- 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.



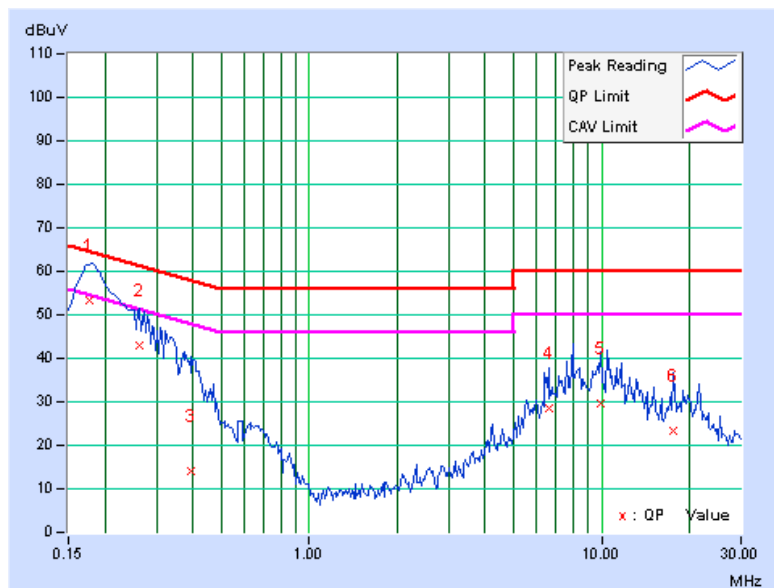


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PHASE	Line 2	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.177	0.13	53.29	-	53.42	-	64.61	54.61	-11.19	-
2	0.263	0.14	42.69	-	42.83	-	61.33	51.33	-18.50	-
3	0.392	0.16	13.94	-	14.10	-	58.02	48.02	-43.92	-
4	6.613	0.39	28.29	-	28.68	-	60.00	50.00	-31.32	-
5	9.941	0.44	29.02	-	29.46	-	60.00	50.00	-30.54	-
6	17.691	0.80	22.60	-	23.40	-	60.00	50.00	-36.60	-

- 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.



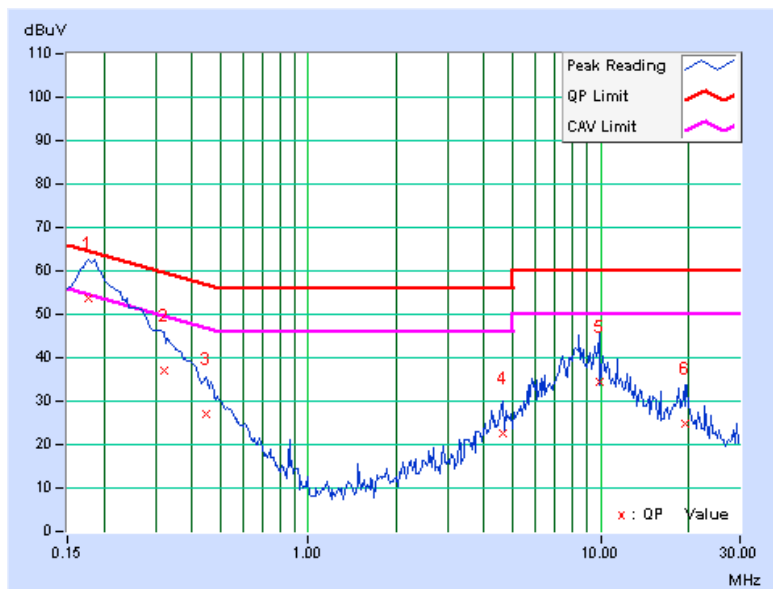
4.2.8 TEST RESULTS (TEST MODE A 2)

CONDUCTED WORST-CASE DATA : 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.177	0.16	53.57	-	53.73	-	64.61	54.61	-10.88	-
2	0.322	0.17	36.94	-	37.11	-	59.66	49.66	-22.55	-
3	0.447	0.18	26.80	-	26.98	-	56.93	46.93	-29.95	-
4	4.621	0.35	22.13	-	22.48	-	56.00	46.00	-33.52	-
5	9.969	0.35	34.05	-	34.40	-	60.00	50.00	-25.60	-
6	19.371	0.67	24.30	-	24.97	-	60.00	50.00	-35.03	-

- 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.



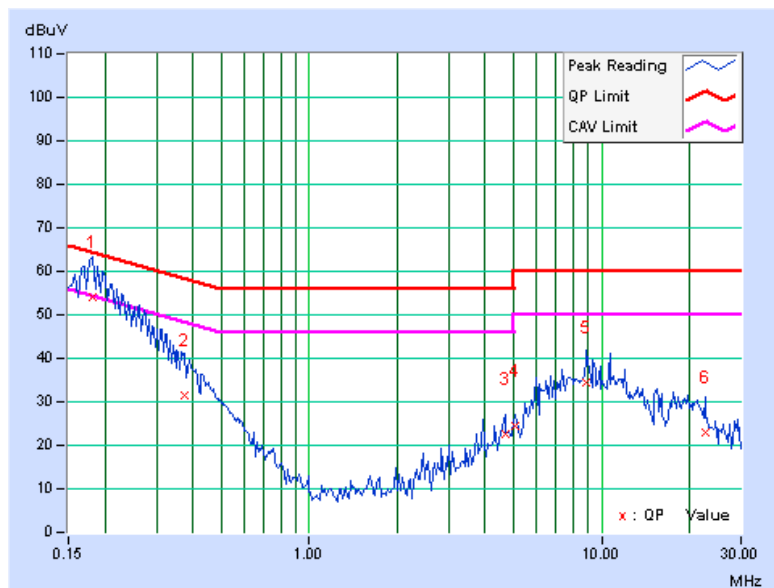


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PHASE	Line 2	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.181	0.13	53.99	-	54.12	-	64.43	54.43	-10.31	-
2	0.377	0.16	31.43	-	31.59	-	58.35	48.35	-26.77	-
3	4.684	0.37	22.27	-	22.64	-	56.00	46.00	-33.36	-
4	5.070	0.37	24.03	-	24.40	-	60.00	50.00	-35.60	-
5	8.895	0.43	34.07	-	34.50	-	60.00	50.00	-25.50	-
6	22.695	0.88	22.04	-	22.92	-	60.00	50.00	-37.08	-

- 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.



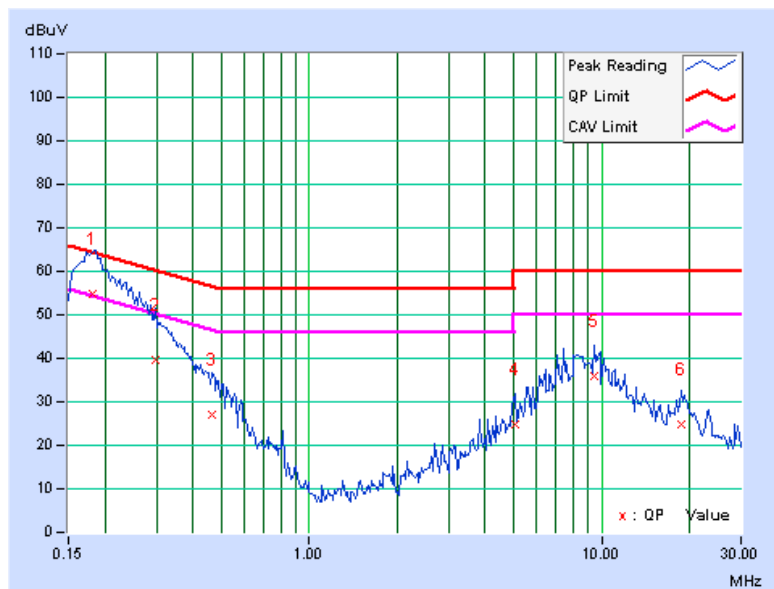
4.2.9 TEST RESULTS (TEST MODE B 1)

CONDUCTED WORST-CASE DATA : 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	54.65	23.96	54.81	24.12	64.43	54.43	-9.62	-30.31
2	0.298	0.17	39.45	-	39.62	-	60.29	50.29	-20.67	-
3	0.463	0.19	26.93	-	27.12	-	56.65	46.65	-29.53	-
4	5.043	0.35	24.30	-	24.65	-	60.00	50.00	-35.35	-
5	9.414	0.35	35.43	-	35.78	-	60.00	50.00	-24.22	-
6	18.813	0.64	24.17	-	24.81	-	60.00	50.00	-35.19	-

- 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.



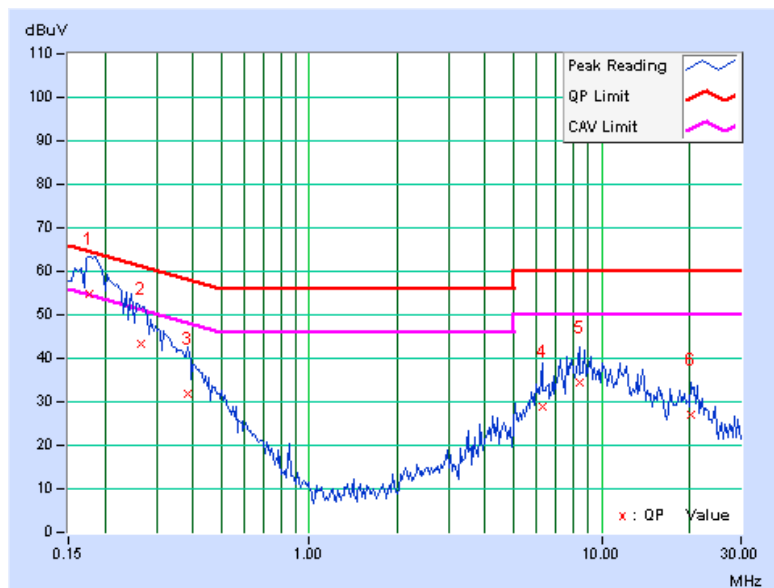


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PHASE	Line 2	6dB BANDWIDTH	9kHz
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No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
	[MHz]	Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
	1	0.177	0.13	54.55	23.77	54.68	23.90	64.61	54.61	-9.93
2	0.267	0.14	43.01	-	43.15	-	61.20	51.20	-18.05	-
3	0.384	0.16	31.63	-	31.79	-	58.18	48.18	-26.40	-
4	6.266	0.39	28.63	-	29.02	-	60.00	50.00	-30.98	-
5	8.379	0.42	33.99	-	34.41	-	60.00	50.00	-25.59	-
6	20.313	0.92	25.98	-	26.90	-	60.00	50.00	-33.10	-

- 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.



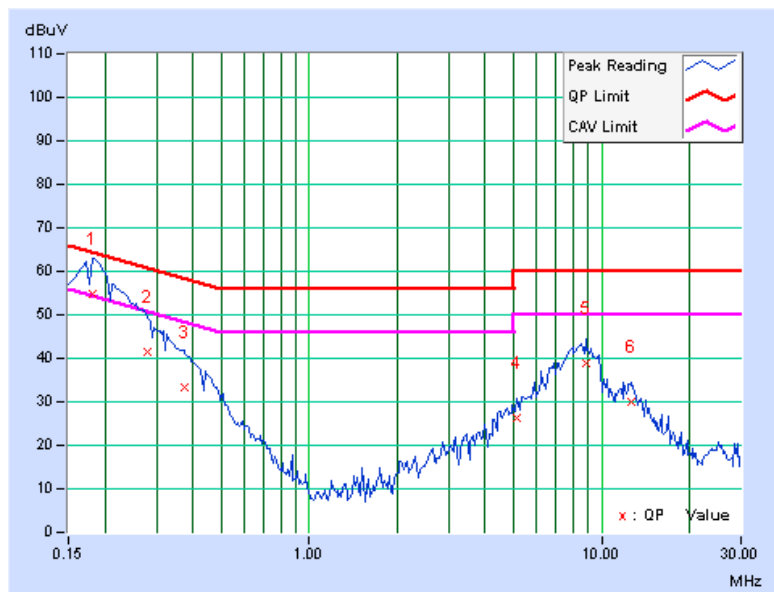
4.2.10 TEST RESULTS (TEST MODE B 2)

CONDUCTED WORST-CASE DATA : 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	54.61	24.00	54.77	24.16	64.43	54.43	-9.66	-30.27
2	0.279	0.17	41.39	-	41.56	-	60.85	50.85	-19.29	-
3	0.373	0.18	33.23	-	33.41	-	58.44	48.44	-25.03	-
4	5.113	0.35	26.12	-	26.47	-	60.00	50.00	-33.53	-
5	8.855	0.35	38.53	-	38.88	-	60.00	50.00	-21.12	-
6	12.695	0.43	29.61	-	30.04	-	60.00	50.00	-29.96	-

- 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.



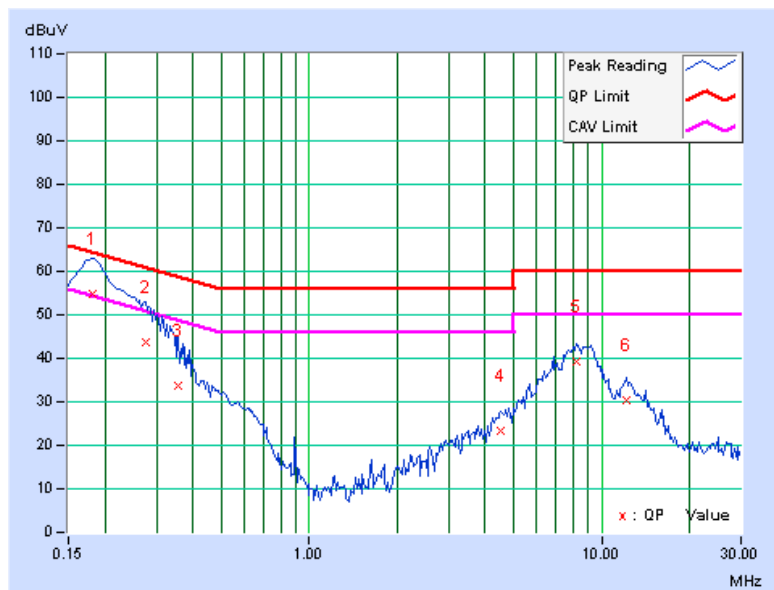


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PHASE	Line 2	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.181	0.13	54.55	24.02	54.68	24.15	64.43	54.43	-9.75	-30.28
2	0.275	0.14	43.53	-	43.67	-	60.97	50.97	-17.29	-
3	0.357	0.15	33.45	-	33.60	-	58.80	48.80	-25.19	-
4	4.520	0.37	22.98	-	23.35	-	56.00	46.00	-32.65	-
5	8.254	0.42	38.85	-	39.27	-	60.00	50.00	-20.73	-
6	12.145	0.53	29.82	-	30.35	-	60.00	50.00	-29.65	-

- 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.





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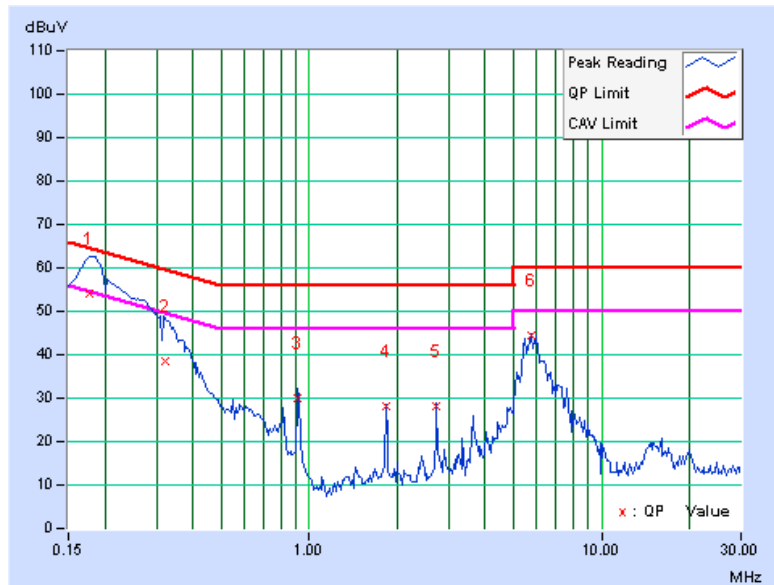
4.2.11 TEST RESULTS (TEST MODE C 1)

CONDUCTED WORST-CASE DATA : 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.16	53.99	-	54.15	-	64.61	54.61	-10.46	-
2	0.322	0.17	38.42	-	38.59	-	59.66	49.66	-21.07	-
3	0.912	0.22	29.88	-	30.10	-	56.00	46.00	-25.90	-
4	1.824	0.30	27.76	-	28.06	-	56.00	46.00	-27.94	-
5	2.734	0.32	27.72	-	28.04	-	56.00	46.00	-27.96	-
6	5.727	0.35	43.91	-	44.26	-	60.00	50.00	-15.74	-

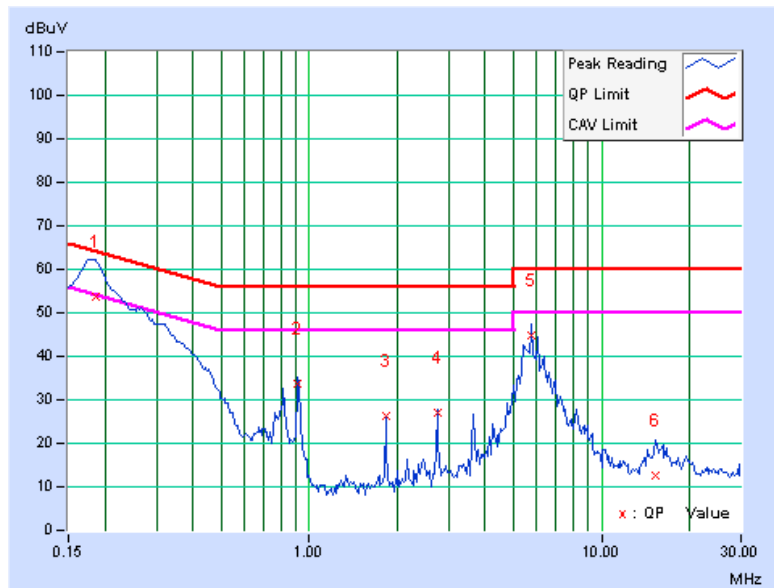
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



PHASE	Line 2	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
		(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.185	0.13	53.59	-	53.72	-	64.25	54.25	-10.53	-
2	0.912	0.21	33.60	-	33.81	-	56.00	46.00	-22.19	-
3	1.824	0.29	25.89	-	26.18	-	56.00	46.00	-29.82	-
4	2.738	0.32	26.57	-	26.89	-	56.00	46.00	-29.11	-
5	5.738	0.38	44.46	-	44.84	-	60.00	50.00	-15.16	-
6	15.383	0.68	11.93	-	12.61	-	60.00	50.00	-47.39	-

- 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.



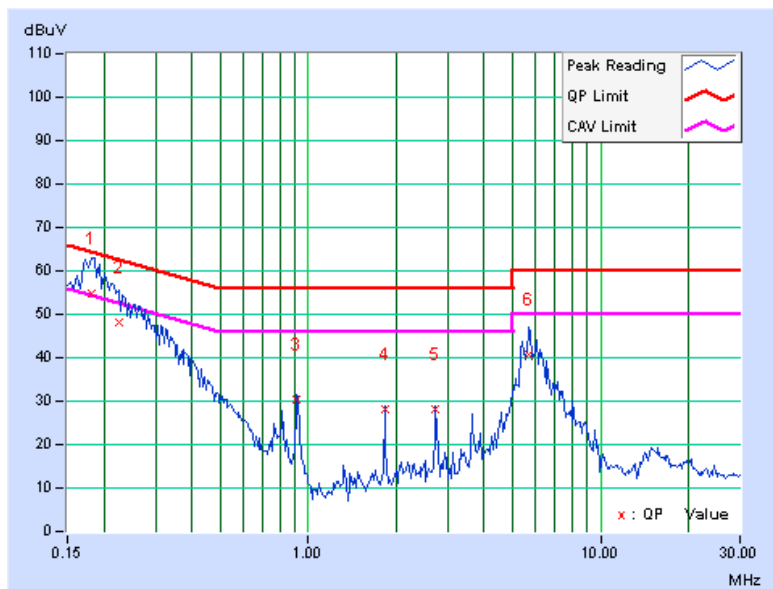
4.2.12 TEST RESULTS (TEST MODE C 2)

CONDUCTED WORST-CASE DATA : 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.181	0.16	54.62	25.27	54.78	25.43	64.43	54.43	-9.65	-29.00
2	0.224	0.16	47.84	-	48.00	-	62.66	52.66	-14.66	-
3	0.912	0.22	29.98	-	30.20	-	56.00	46.00	-25.80	-
4	1.824	0.30	28.01	-	28.31	-	56.00	46.00	-27.69	-
5	2.734	0.32	27.93	-	28.25	-	56.00	46.00	-27.75	-
6	5.664	0.35	40.23	-	40.58	-	60.00	50.00	-19.42	-

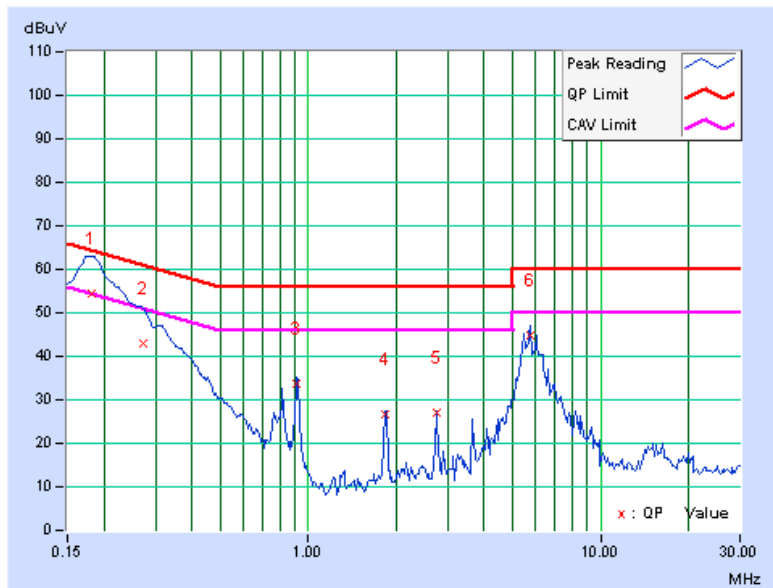
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



PHASE	Line 2	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.13	54.43	24.34	54.56	24.47	64.43	54.43	-9.87	-29.96
2	0.271	0.14	42.74	-	42.88	-	61.08	51.08	-18.20	-
3	0.912	0.21	33.33	-	33.54	-	56.00	46.00	-22.46	-
4	1.824	0.29	26.21	-	26.50	-	56.00	46.00	-29.50	-
5	2.738	0.32	26.54	-	26.86	-	56.00	46.00	-29.14	-
6	5.730	0.38	44.40	-	44.78	-	60.00	50.00	-15.22	-

- 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.



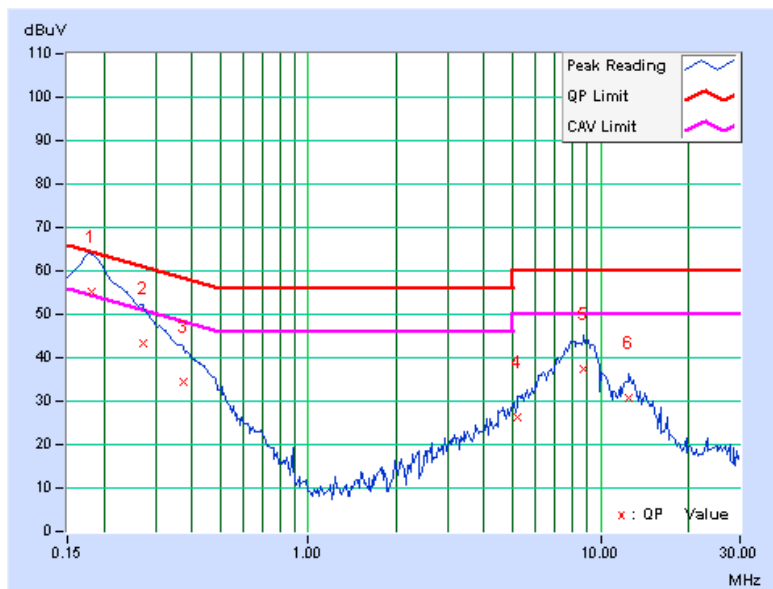
4.2.13 TEST RESULTS (TEST MODE D 1)

CONDUCTED WORST-CASE DATA : 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.181	0.16	54.99	24.52	55.15	24.68	64.43	54.43	-9.28	-29.75
2	0.271	0.17	43.04	-	43.21	-	61.08	51.08	-17.88	-
3	0.373	0.18	34.43	-	34.61	-	58.44	48.44	-23.83	-
4	5.223	0.35	25.77	-	26.12	-	60.00	50.00	-33.88	-
5	8.766	0.35	36.93	-	37.28	-	60.00	50.00	-22.72	-
6	12.555	0.43	30.16	-	30.59	-	60.00	50.00	-29.41	-

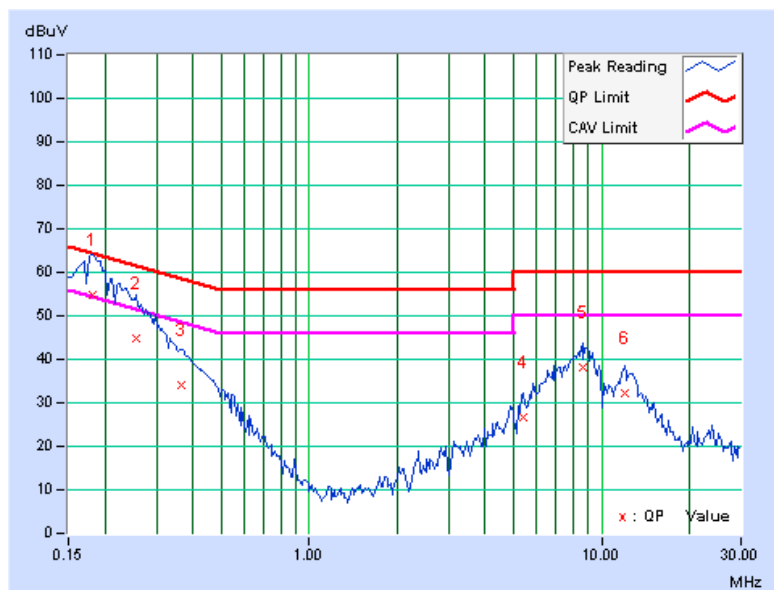
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



PHASE	Line 2	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.13	54.87	25.00	55.00	25.13	64.43	54.43	-9.43	-29.30
2	0.255	0.14	44.56	-	44.70	-	61.58	51.58	-16.88	-
3	0.365	0.15	33.88	-	34.03	-	58.62	48.62	-24.58	-
4	5.418	0.38	26.21	-	26.59	-	60.00	50.00	-33.41	-
5	8.613	0.42	37.71	-	38.13	-	60.00	50.00	-21.87	-
6	11.977	0.53	31.85	-	32.38	-	60.00	50.00	-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.



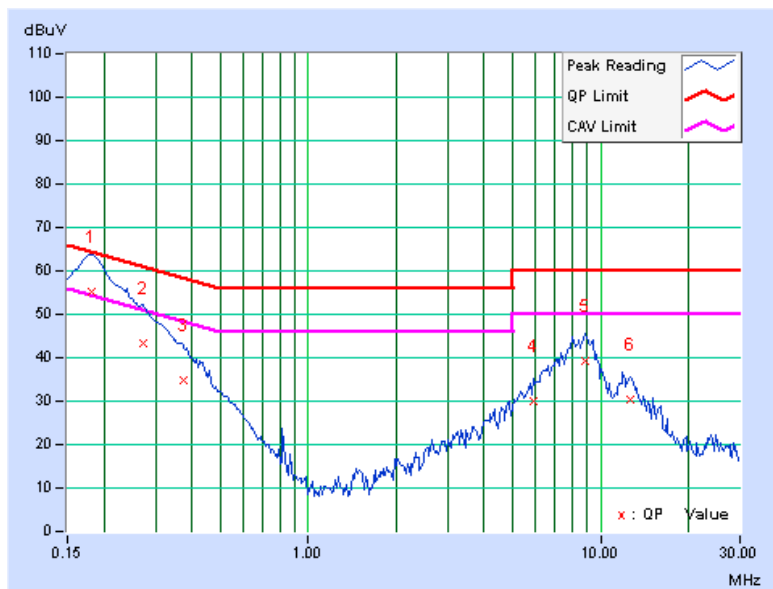
4.2.14 TEST RESULTS (TEST MODE D 2)

CONDUCTED WORST-CASE DATA : 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.181	0.16	55.03	24.48	55.19	24.64	64.43	54.43	-9.24	-29.79
2	0.271	0.17	43.34	-	43.51	-	61.08	51.08	-17.58	-
3	0.373	0.18	34.58	-	34.76	-	58.44	48.44	-23.68	-
4	5.918	0.35	29.66	-	30.01	-	60.00	50.00	-29.99	-
5	8.898	0.35	38.78	-	39.13	-	60.00	50.00	-20.87	-
6	12.605	0.43	29.84	-	30.27	-	60.00	50.00	-29.73	-

- 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.



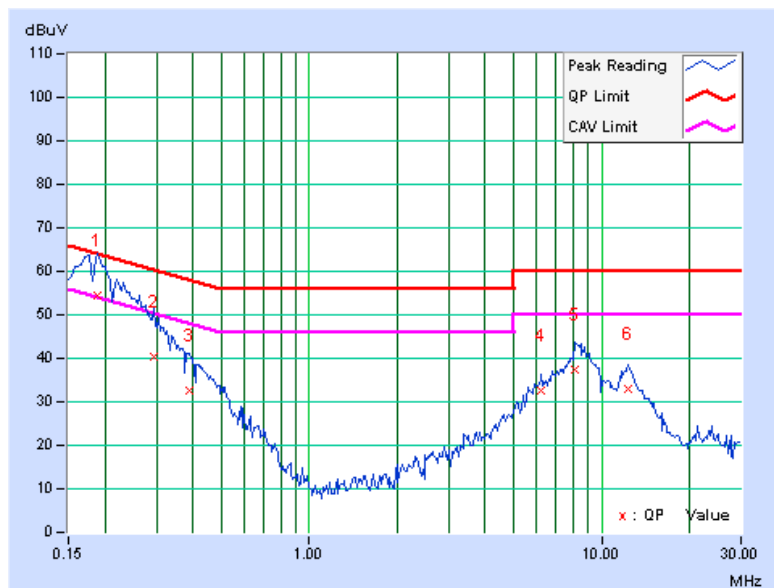


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PHASE	Line 2	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.189	0.13	54.21	23.69	54.34	23.82	64.08	54.08	-9.74	-30.26
2	0.295	0.14	40.16	-	40.30	-	60.40	50.40	-20.09	-
3	0.388	0.16	32.32	-	32.48	-	58.10	48.10	-25.62	-
4	6.238	0.39	32.10	-	32.49	-	60.00	50.00	-27.51	-
5	8.117	0.41	36.89	-	37.30	-	60.00	50.00	-22.70	-
6	12.281	0.54	32.58	-	33.12	-	60.00	50.00	-26.88	-

- 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.



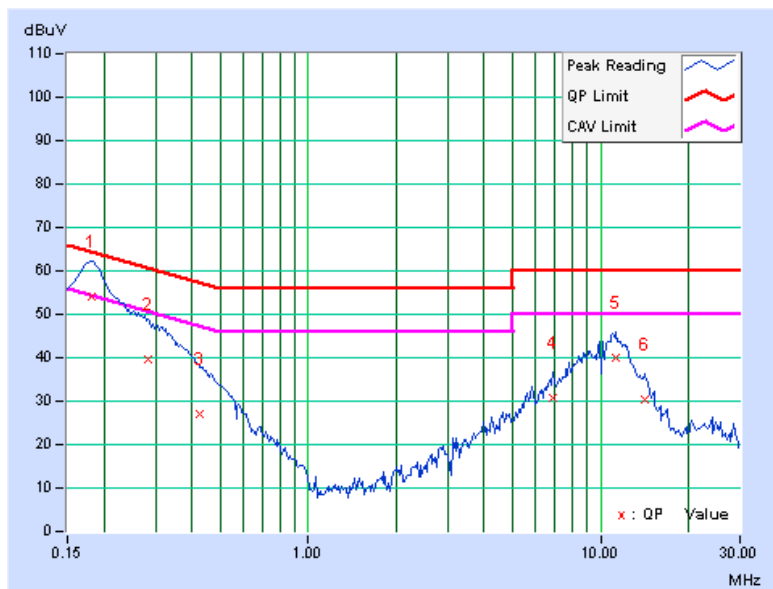
4.2.15 TEST RESULTS (TEST MODE E 1)

CONDUCTED WORST-CASE DATA : 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.181	0.16	53.77	-	53.93	-	64.43	54.43	-10.50	-
2	0.283	0.17	39.57	-	39.74	-	60.73	50.73	-20.99	-
3	0.423	0.18	26.78	-	26.96	-	57.38	47.38	-30.42	-
4	6.840	0.35	30.32	-	30.67	-	60.00	50.00	-29.33	-
5	11.340	0.39	39.74	-	40.13	-	60.00	50.00	-19.87	-
6	14.141	0.47	29.99	-	30.46	-	60.00	50.00	-29.54	-

- 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.



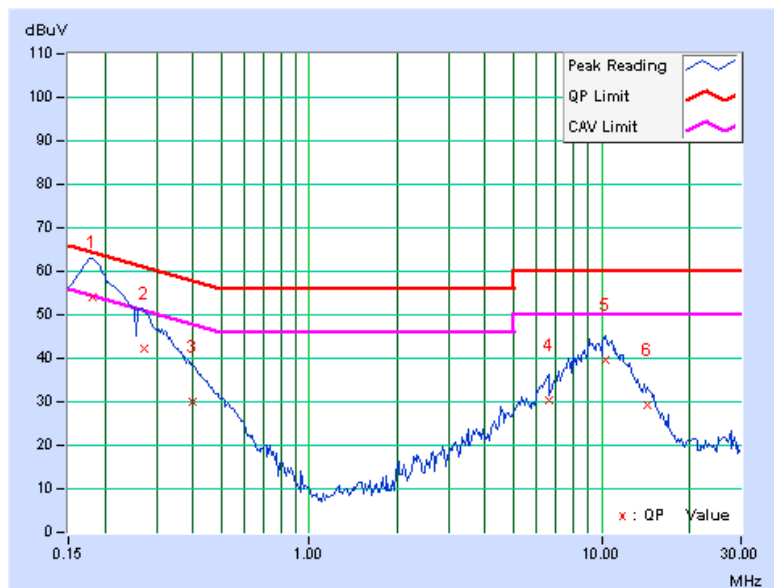


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PHASE	Line 2	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.181	0.13	53.81	-	53.94	-	64.43	54.43	-10.49	-
2	0.271	0.14	42.06	-	42.20	-	61.08	51.08	-18.88	-
3	0.400	0.16	29.89	-	30.05	-	57.85	47.85	-27.80	-
4	6.594	0.39	29.88	-	30.27	-	60.00	50.00	-29.73	-
5	10.285	0.45	39.08	-	39.53	-	60.00	50.00	-20.47	-
6	14.336	0.63	28.64	-	29.27	-	60.00	50.00	-30.73	-

- 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.



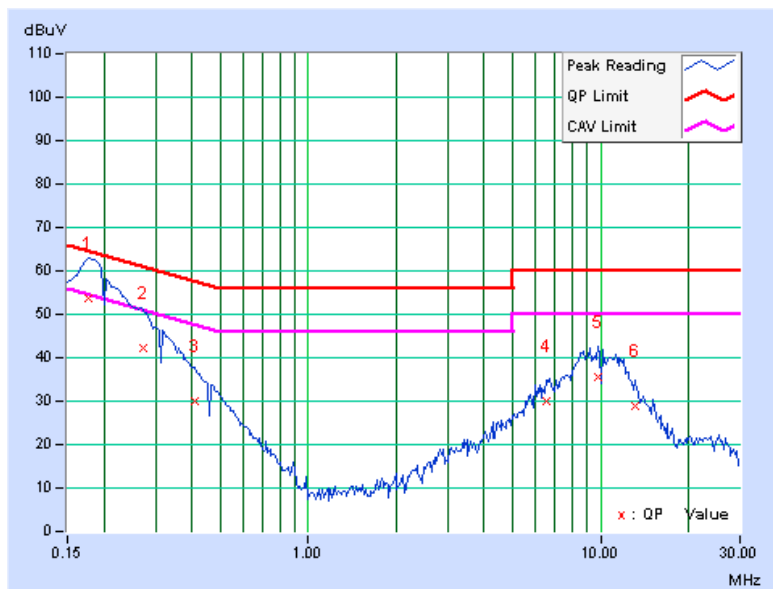
4.2.16 TEST RESULTS (TEST MODE E 2)

CONDUCTED WORST-CASE DATA : 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.177	0.16	53.71	-	53.87	-	64.61	54.61	-10.74	-
2	0.271	0.17	42.04	-	42.21	-	61.08	51.08	-18.88	-
3	0.408	0.18	29.76	-	29.94	-	57.69	47.69	-27.75	-
4	6.527	0.35	29.68	-	30.03	-	60.00	50.00	-29.97	-
5	9.801	0.35	35.03	-	35.38	-	60.00	50.00	-24.62	-
6	13.195	0.45	28.44	-	28.89	-	60.00	50.00	-31.11	-

- 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.



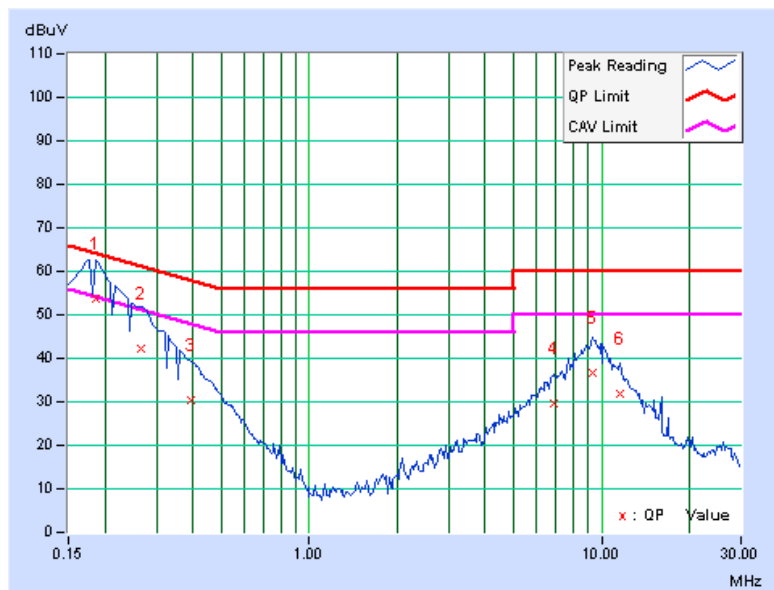


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PHASE	Line 2	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. [dB (uV)]	AV. [dB (uV)]	Q.P. (dB)	AV. (dB)
1	0.185	0.13	53.65	-	53.78	-	64.25	54.25	-10.47	-
2	0.267	0.14	42.19	-	42.33	-	61.20	51.20	-18.87	-
3	0.392	0.16	30.31	-	30.47	-	58.02	48.02	-27.55	-
4	6.848	0.40	29.31	-	29.71	-	60.00	50.00	-30.29	-
5	9.340	0.43	36.27	-	36.70	-	60.00	50.00	-23.30	-
6	11.590	0.51	31.45	-	31.96	-	60.00	50.00	-28.04	-

- 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.





A D T

4.3 6dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	CALIBRATED UNTIL
R&S SPECTRUM ANALYZER	FSP40	100039	Jan. 11, 2010	Jan. 10, 2011

NOTE: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

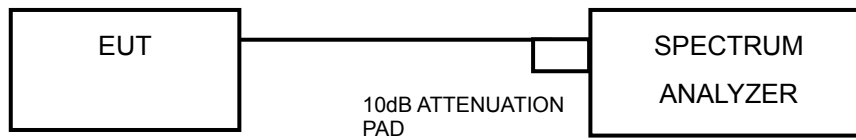
4.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.

4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITIONS

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



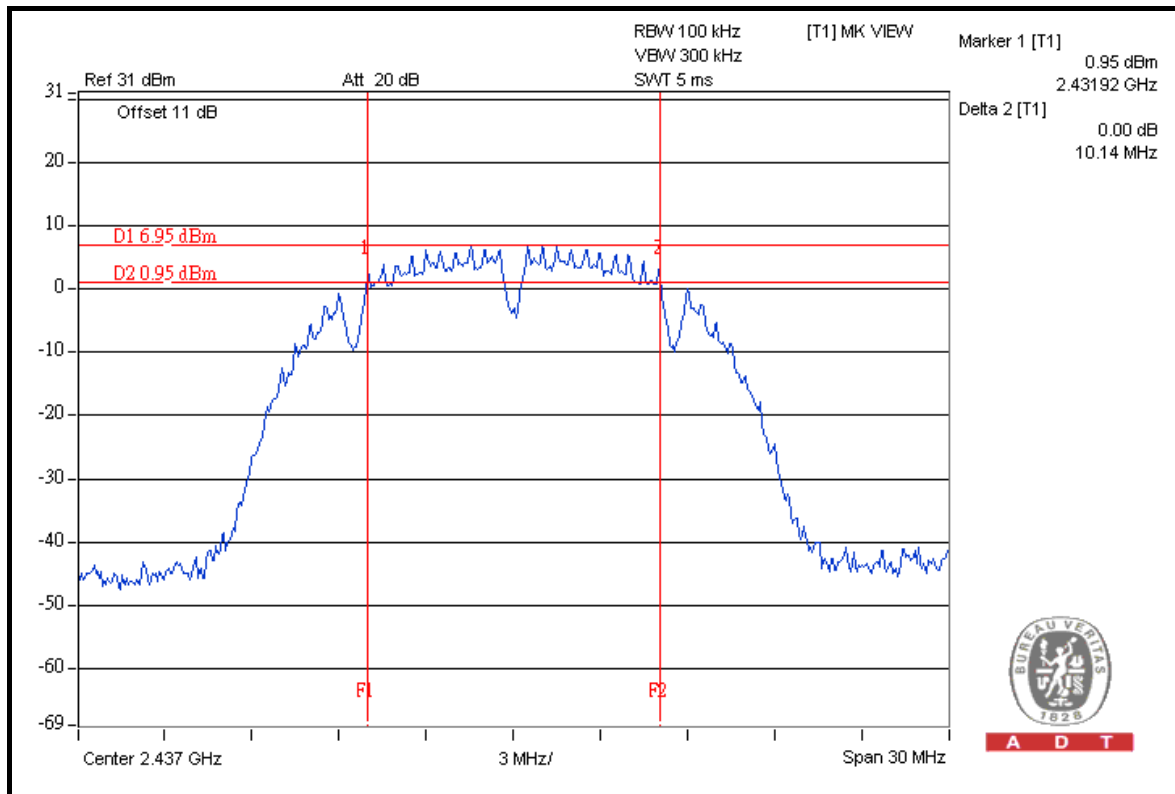
A D T

4.3.7 TEST RESULTS (TEST MODE A 1)

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.10	10.12	10.14	0.5	PASS
6	2437	10.10	10.14	10.09	0.5	PASS
11	2462	9.61	10.13	9.67	0.5	PASS

FOR CHAIN 1: CH 6



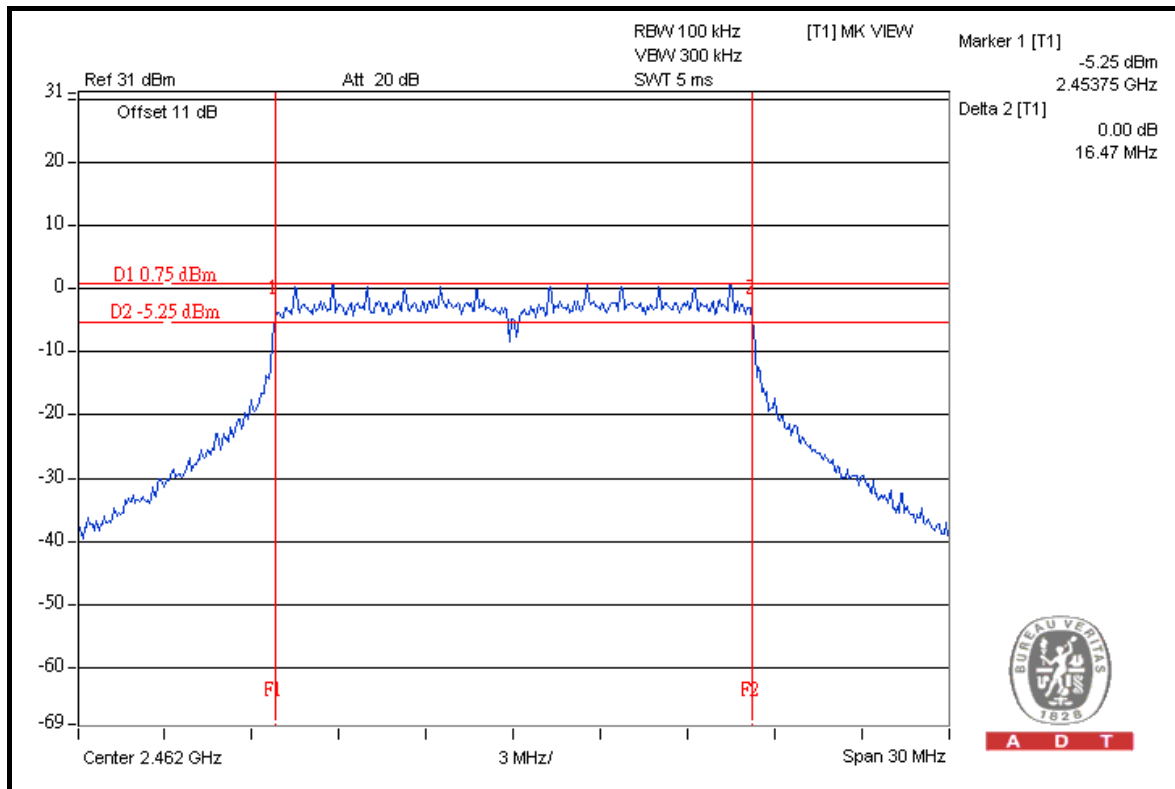


A D T

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.43	16.43	16.44	0.5	PASS
6	2437	16.43	16.42	16.42	0.5	PASS
11	2462	16.39	16.47	16.44	0.5	PASS

FOR CHAIN 1: CH 11



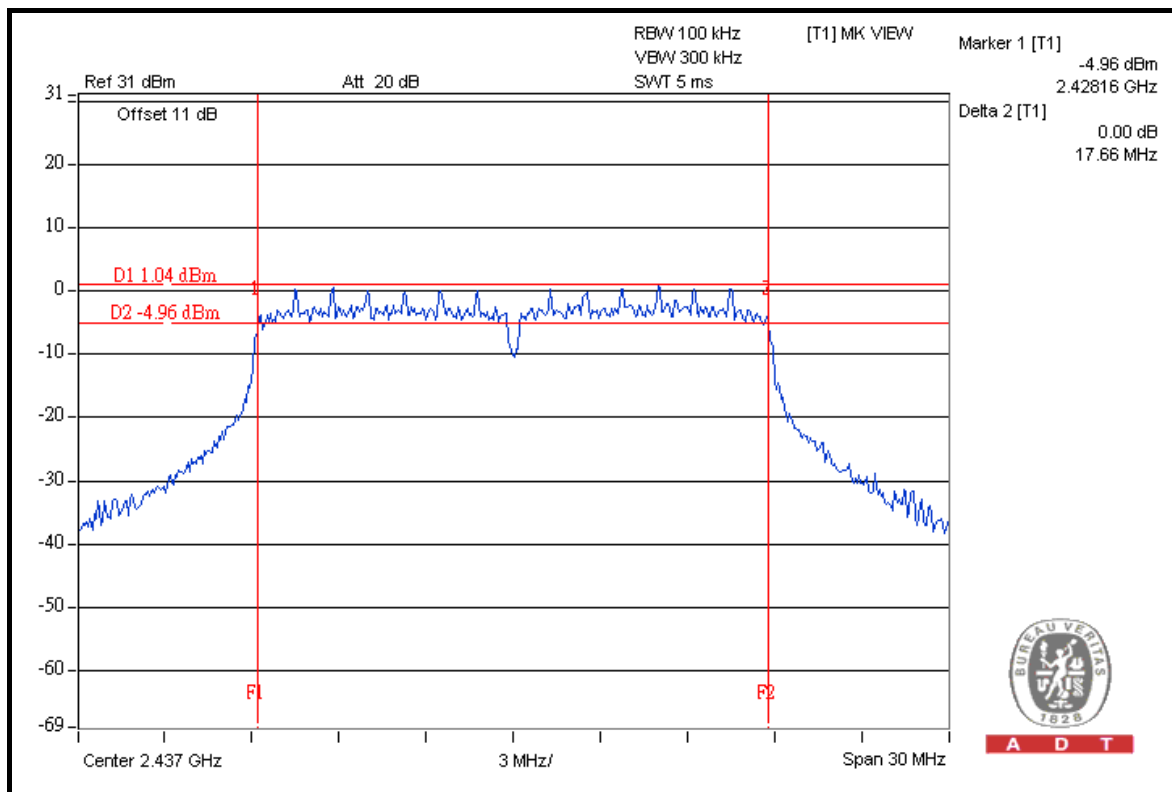


A D T

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.64	17.59	17.60	0.5	PASS
6	2437	17.65	17.61	17.66	0.5	PASS
11	2462	17.61	17.62	17.63	0.5	PASS

FOR CHAIN 2: CH 6



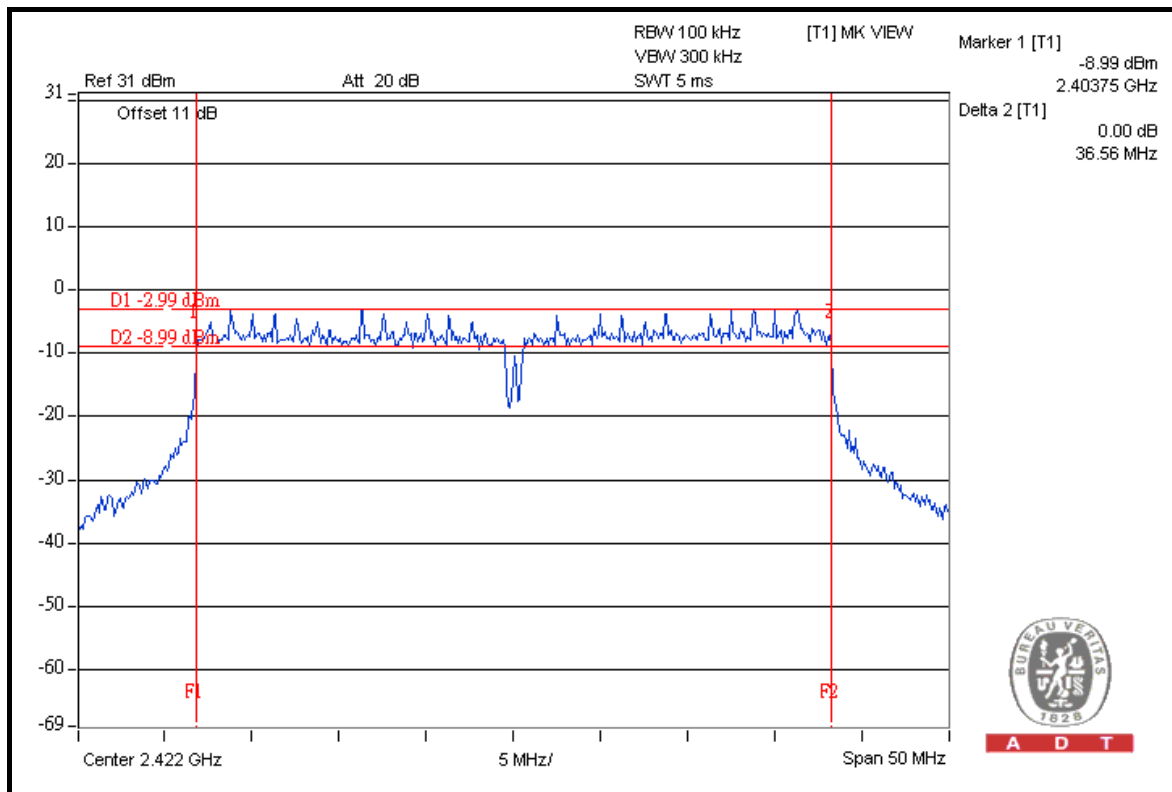


A D T

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2422	36.56	36.50	36.51	0.5	PASS
4	2437	36.49	36.47	36.49	0.5	PASS
7	2452	36.51	36.52	36.52	0.5	PASS

FOR CHAIN 0: CH 1





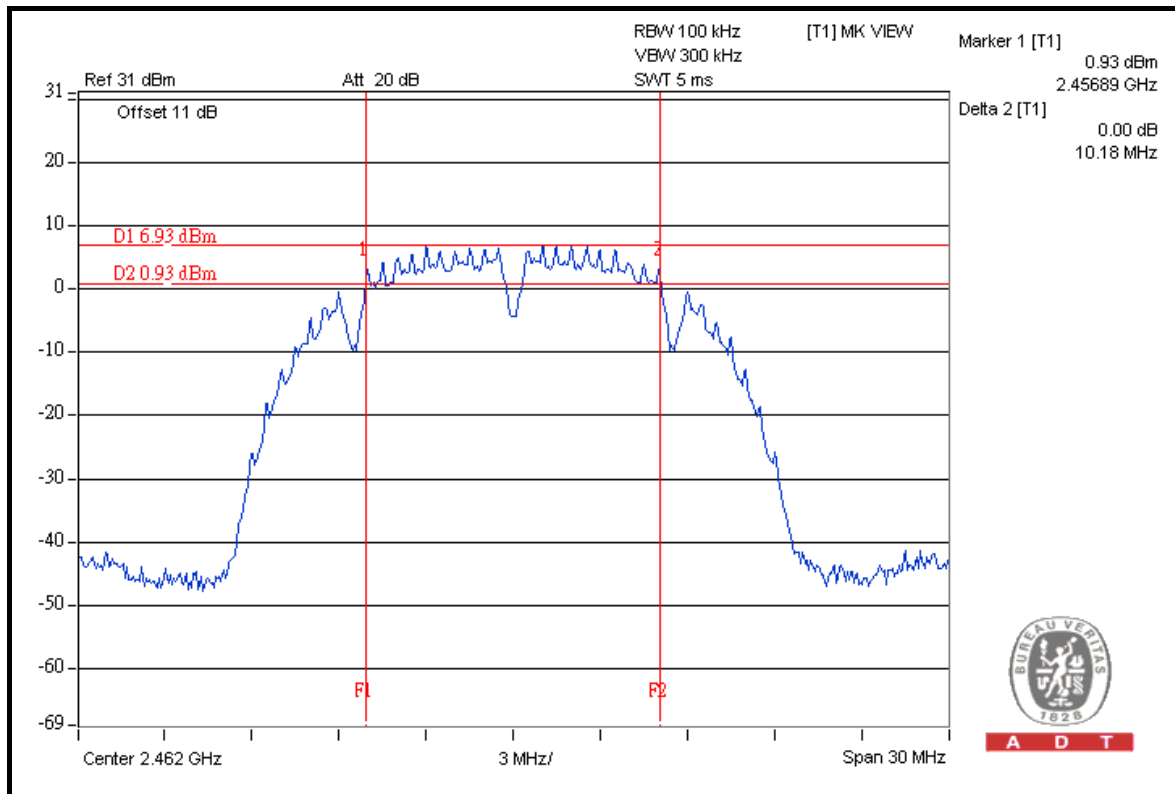
A D T

4.3.8 TEST RESULTS (TEST MODE A 2)

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.12	10.14	10.11	0.5	PASS
6	2437	10.10	10.12	10.14	0.5	PASS
11	2462	10.18	10.14	10.12	0.5	PASS

FOR CHAIN 0: CH 11



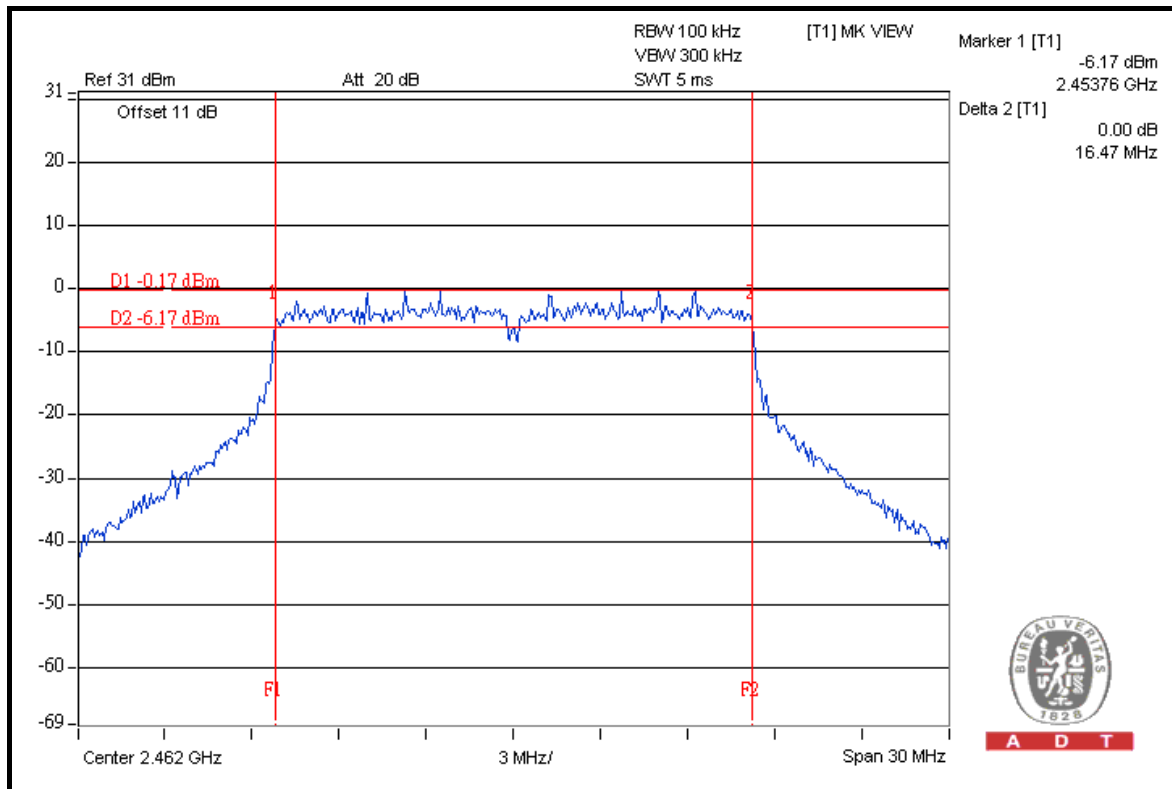


A D T

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.47	16.43	16.43	0.5	PASS
6	2437	16.41	16.41	16.45	0.5	PASS
11	2462	16.47	16.42	16.43	0.5	PASS

FOR CHAIN 0: CH 11



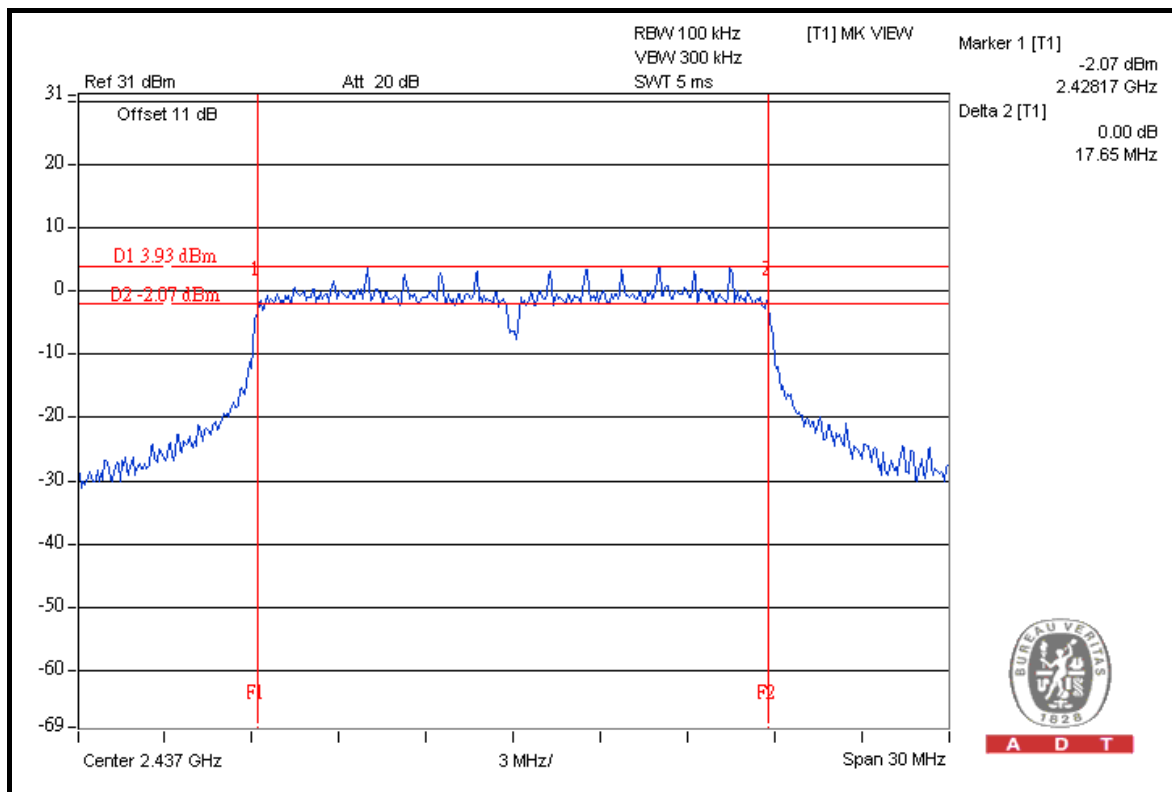


A D T

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.63	17.64	17.61	0.5	PASS
6	2437	17.62	17.64	17.65	0.5	PASS
11	2462	17.64	17.63	17.63	0.5	PASS

FOR CHAIN 2: CH 6



A D T

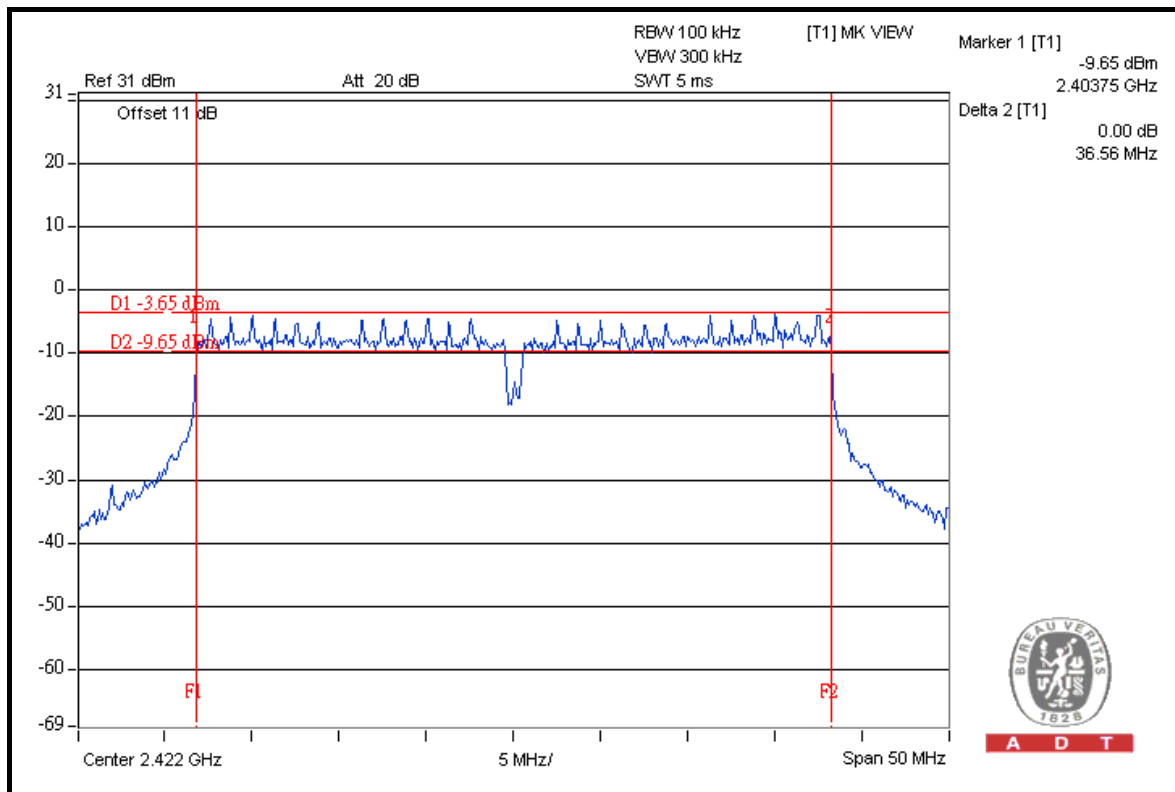


A D T

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2422	36.52	36.54	36.56	0.5	PASS
4	2437	36.51	36.48	36.53	0.5	PASS
7	2452	36.49	36.53	36.52	0.5	PASS

FOR CHAIN 2: CH 1



A D T



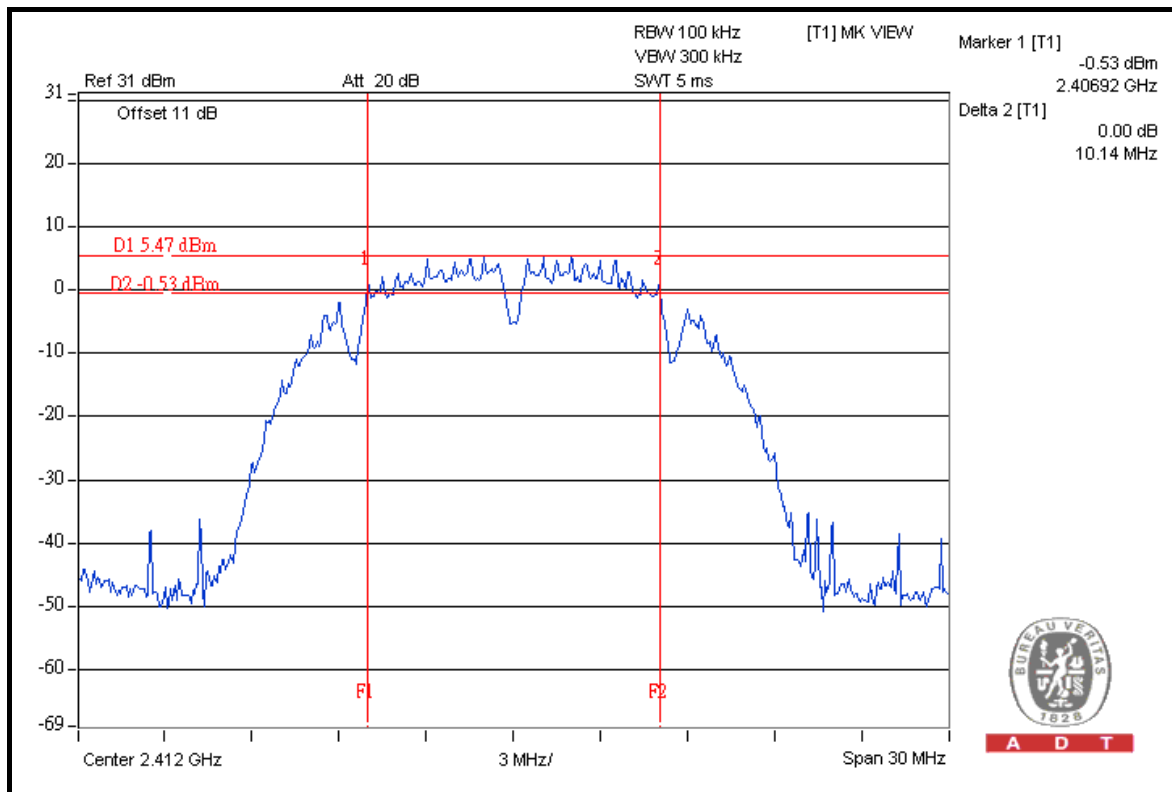
A D T

4.3.9 TEST RESULTS (TEST MODE B 1)

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.10	10.12	10.14	0.5	PASS
6	2437	10.11	10.13	10.11	0.5	PASS
11	2462	10.13	10.14	10.13	0.5	PASS

FOR CHAIN 2: CH 1



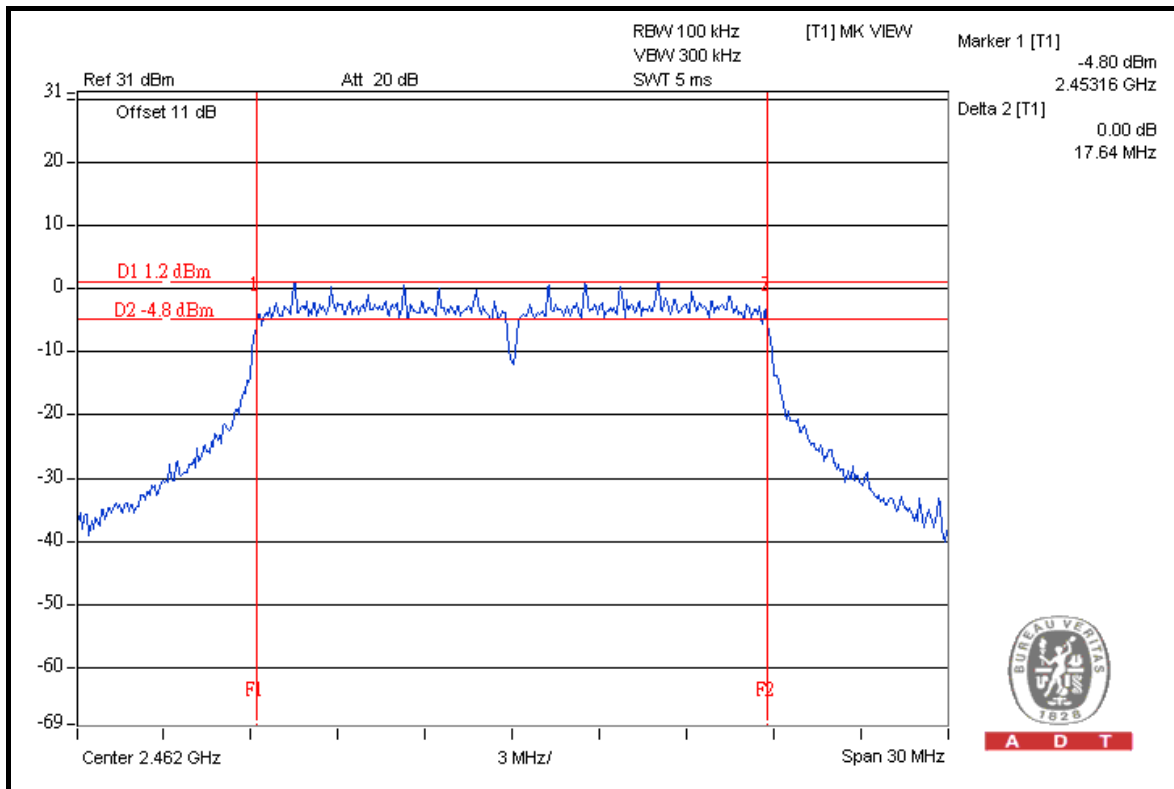


A D T

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.43	16.44	16.44	0.5	PASS
6	2437	16.42	16.43	16.42	0.5	PASS
11	2462	16.47	16.44	17.64	0.5	PASS

FOR CHAIN 2: CH 11



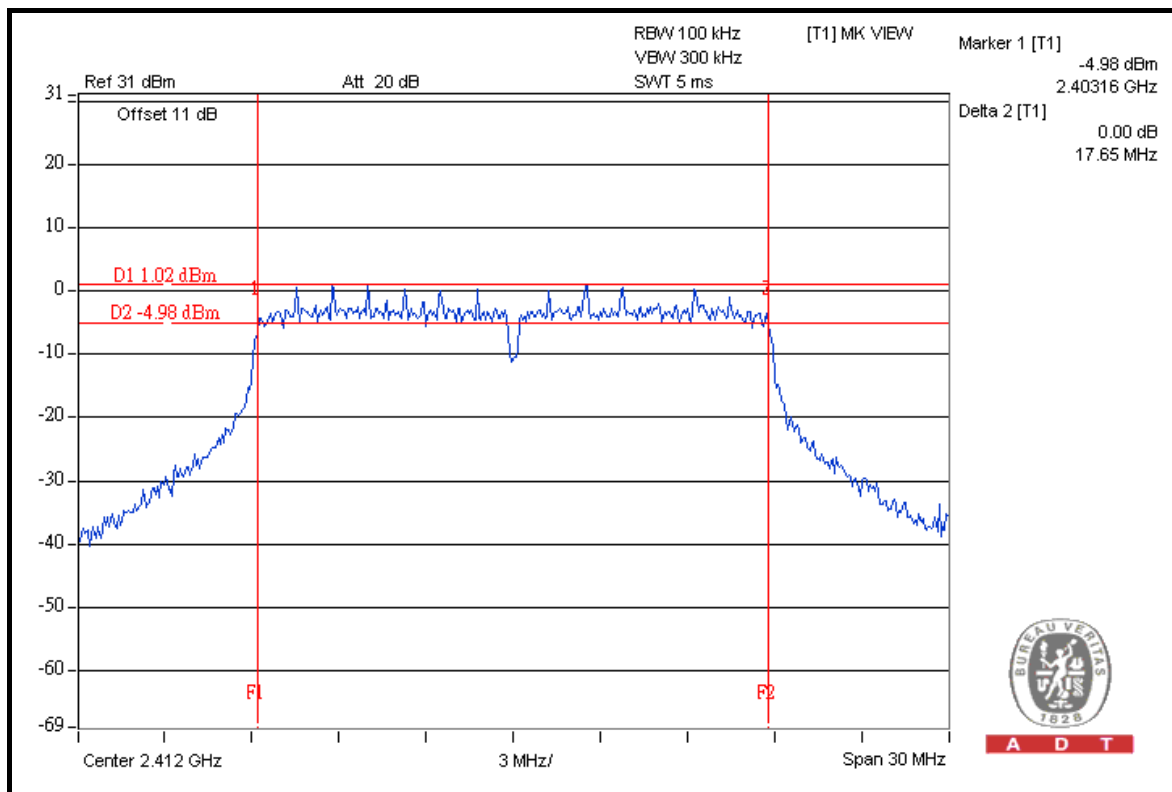


A D T

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.63	17.65	17.64	0.5	PASS
6	2437	17.64	17.63	17.64	0.5	PASS
11	2462	17.63	17.63	17.63	0.5	PASS

FOR CHAIN 1: CH 1



A D T

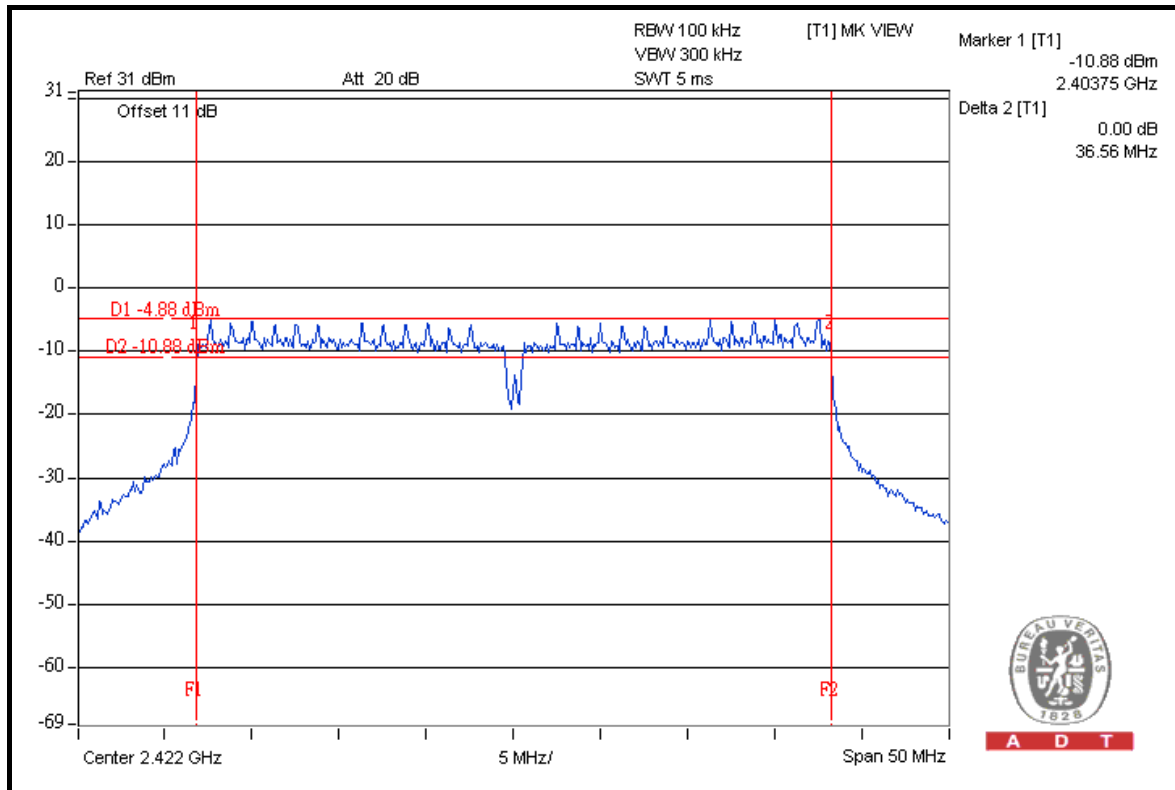


A D T

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2422	36.52	36.53	36.56	0.5	PASS
4	2437	36.49	36.48	36.51	0.5	PASS
7	2452	36.51	36.52	36.52	0.5	PASS

FOR CHAIN 2: CH 1



A D T



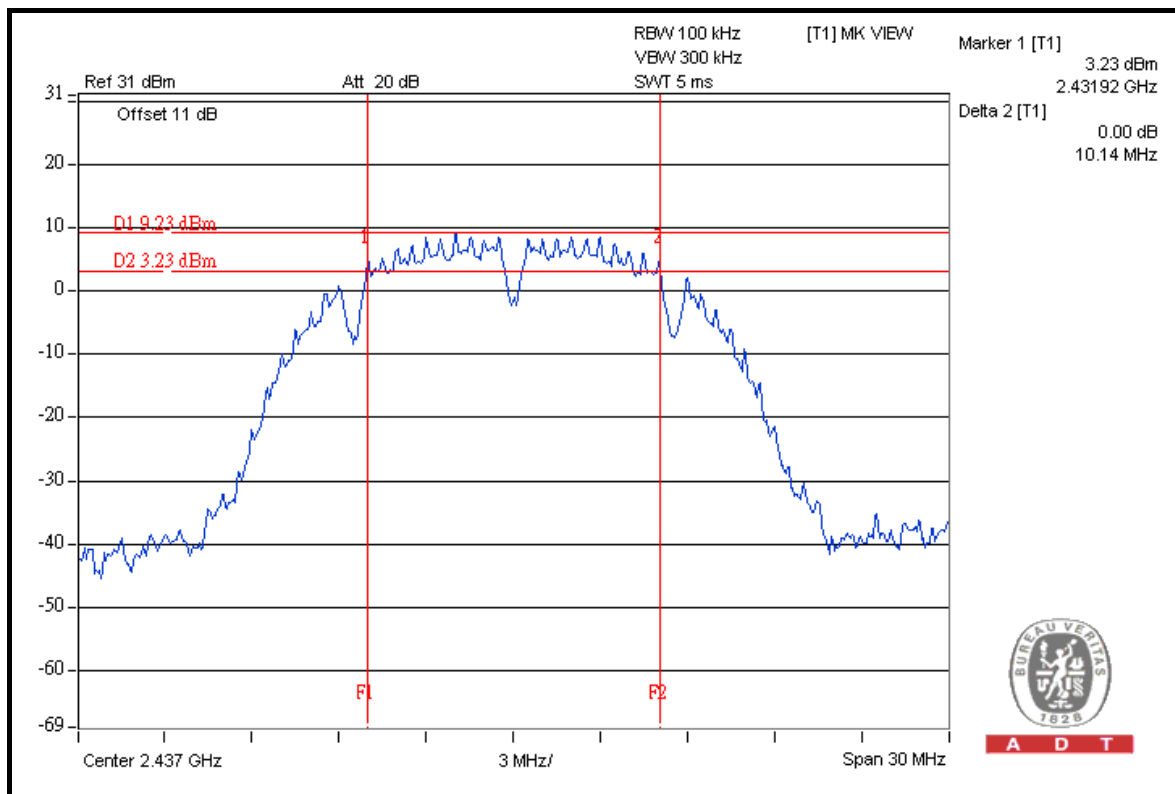
A D T

4.3.10 TEST RESULTS (TEST MODE B 2)

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.11	10.11	10.13	0.5	PASS
6	2437	10.12	10.06	10.14	0.5	PASS
11	2462	10.13	9.63	10.11	0.5	PASS

FOR CHAIN 2: CH 6



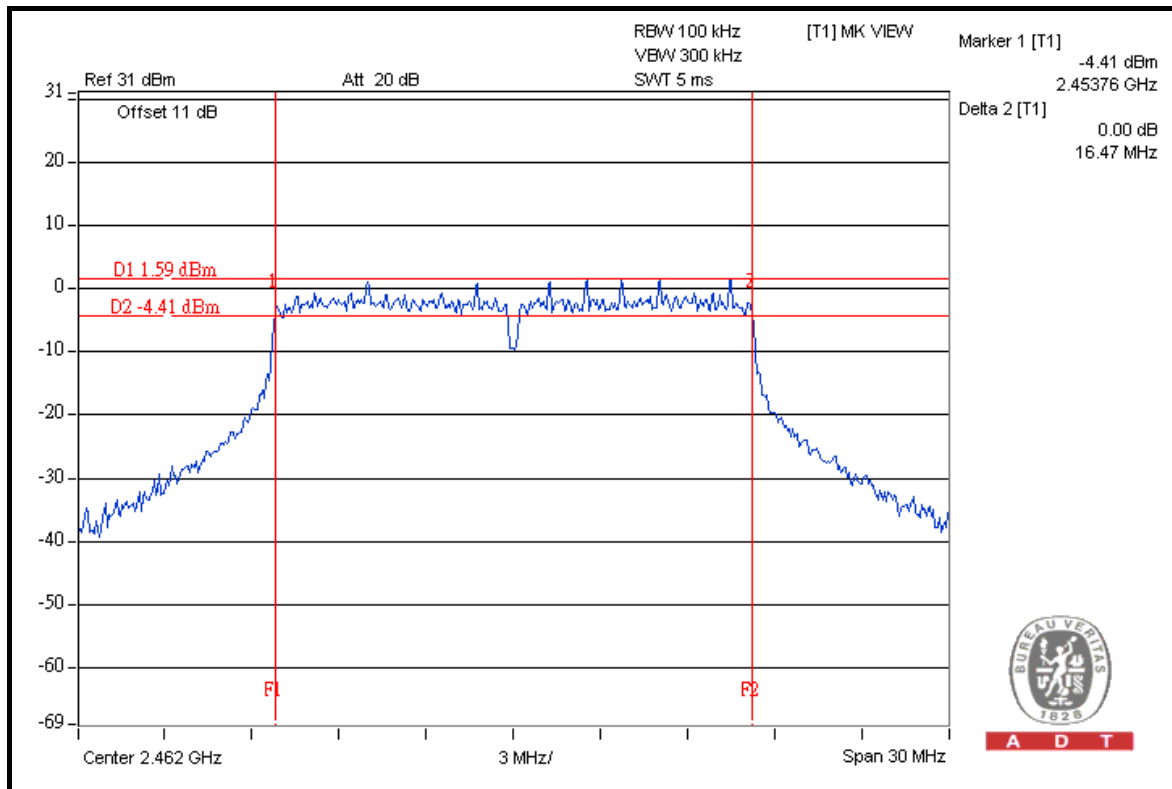


A D T

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.44	16.44	16.44	0.5	PASS
6	2437	16.44	16.44	16.41	0.5	PASS
11	2462	16.47	16.45	16.46	0.5	PASS

FOR CHAIN 0: CH 11



A D T

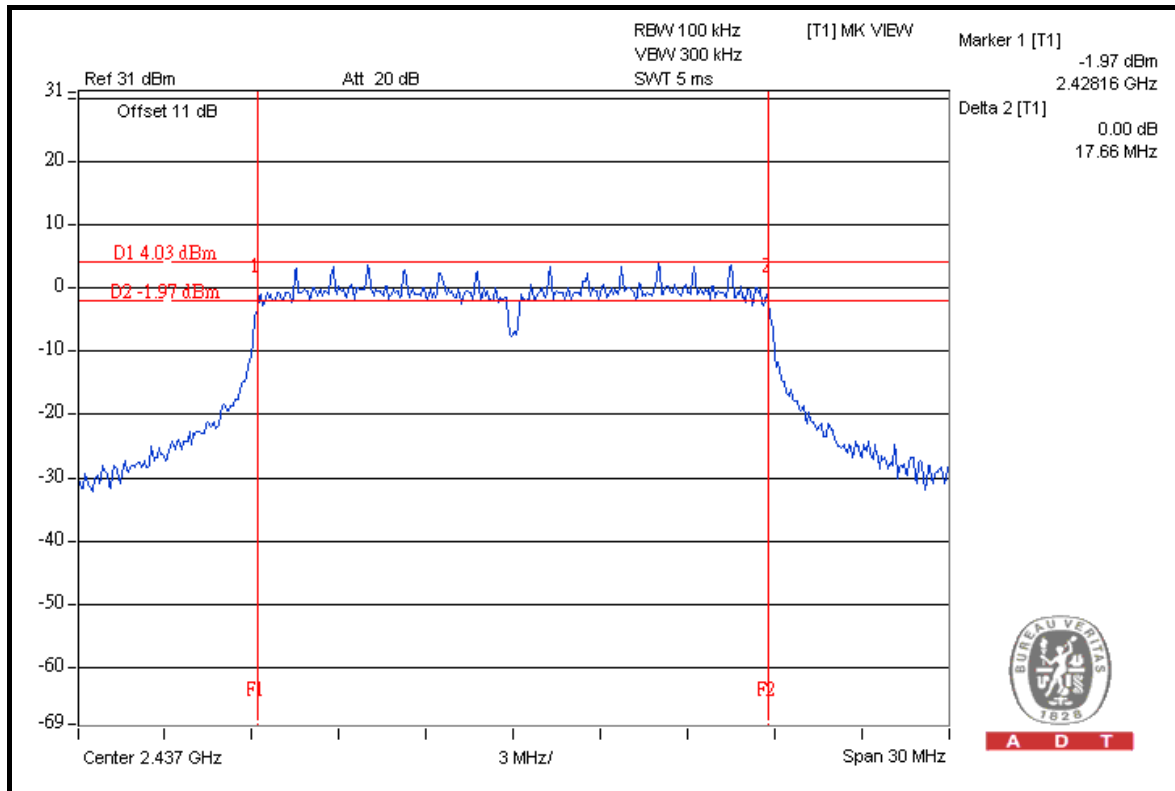


A D T

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.65	17.64	17.62	0.5	PASS
6	2437	17.66	17.65	17.66	0.5	PASS
11	2462	17.62	17.65	17.62	0.5	PASS

FOR CHAIN 0: CH 6



A D T

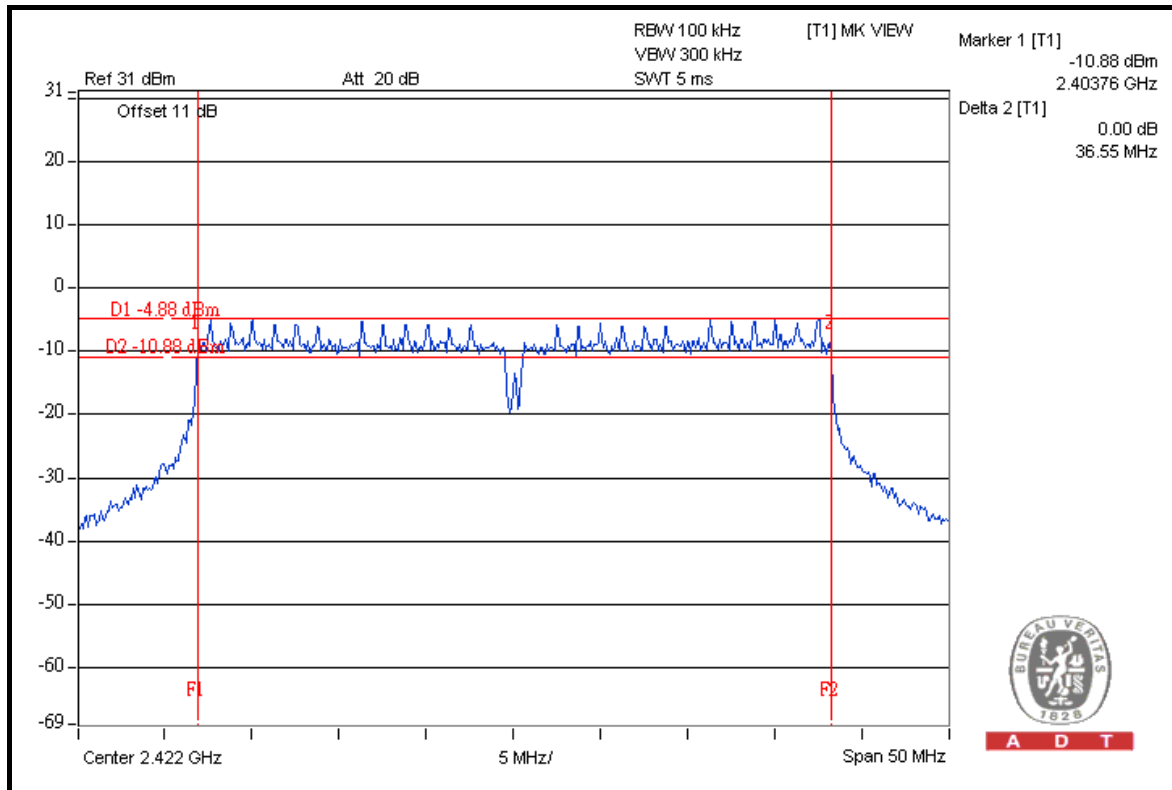


A D T

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2422	36.53	36.55	36.54	0.5	PASS
4	2437	36.51	36.50	36.52	0.5	PASS
7	2452	36.53	36.53	36.53	0.5	PASS

FOR CHAIN 1: CH 1





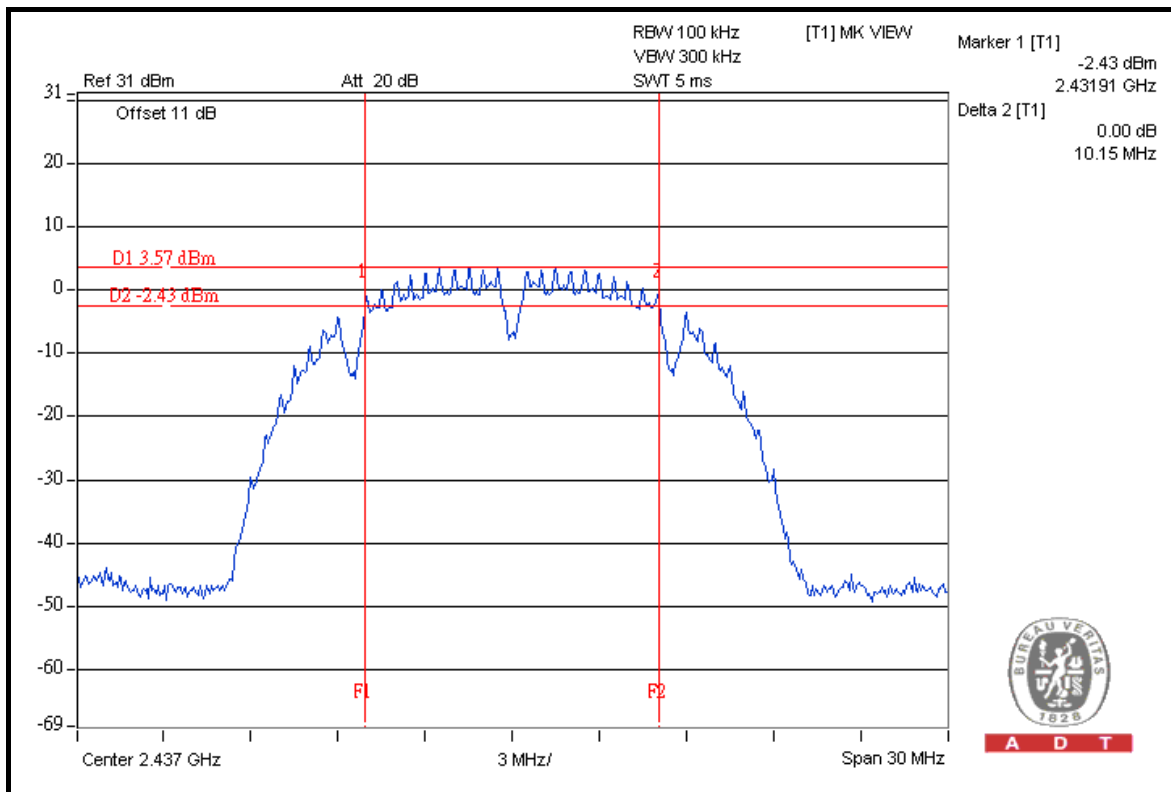
A D T

4.3.11 TEST RESULTS (TEST MODE C 1)

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.15	10.13	10.13	0.5	PASS
6	2437	10.15	10.12	10.12	0.5	PASS
11	2462	10.09	10.13	10.13	0.5	PASS

FOR CHAIN 0: CH 6



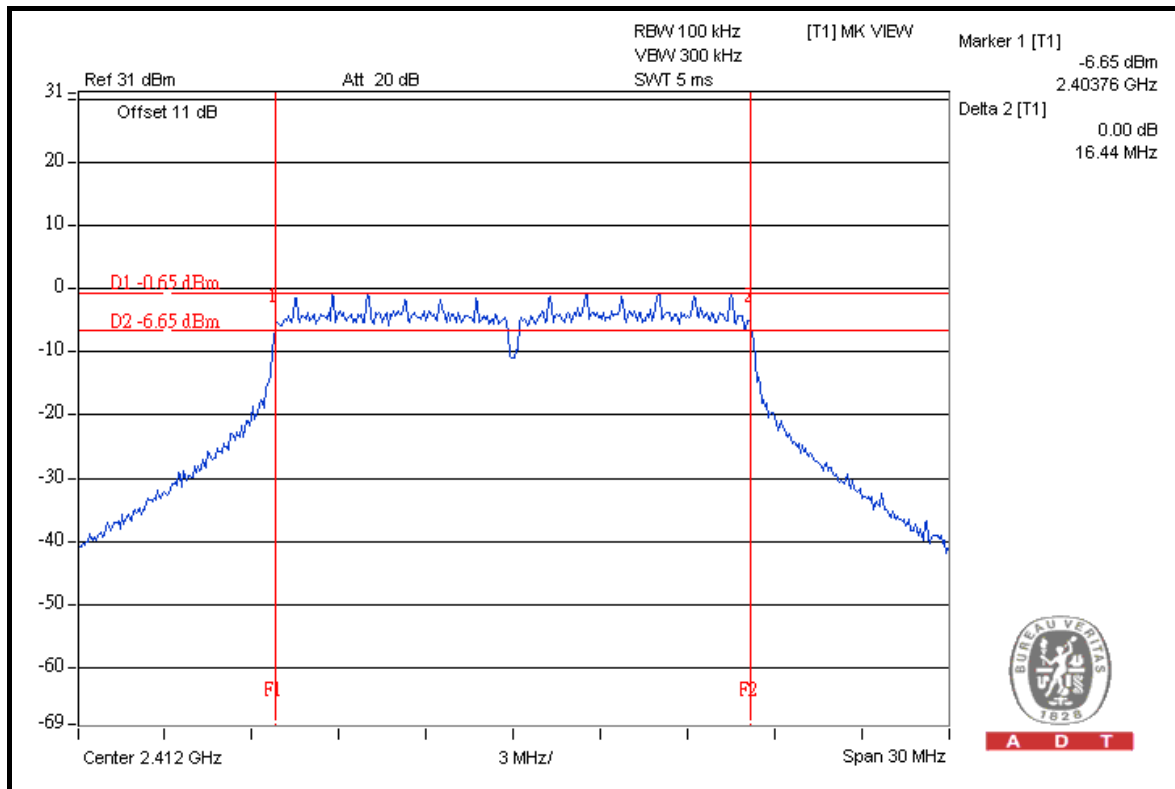


A D T

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.44	16.44	16.41	0.5	PASS
6	2437	16.42	16.40	16.40	0.5	PASS
11	2462	16.40	16.40	16.41	0.5	PASS

FOR CHAIN 0: CH 1



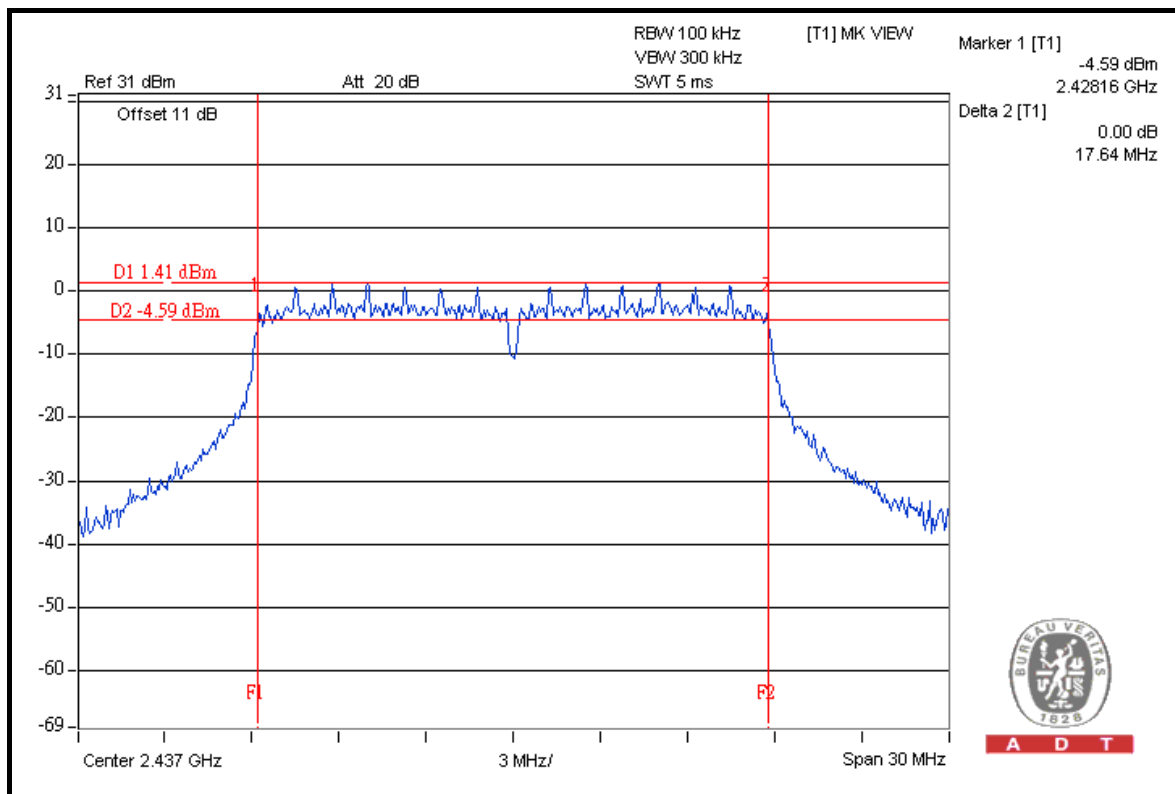


A D T

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.63	17.61	17.62	0.5	PASS
6	2437	17.61	17.63	17.64	0.5	PASS
11	2462	17.63	17.64	17.64	0.5	PASS

FOR CHAIN 2: CH 6



A D T

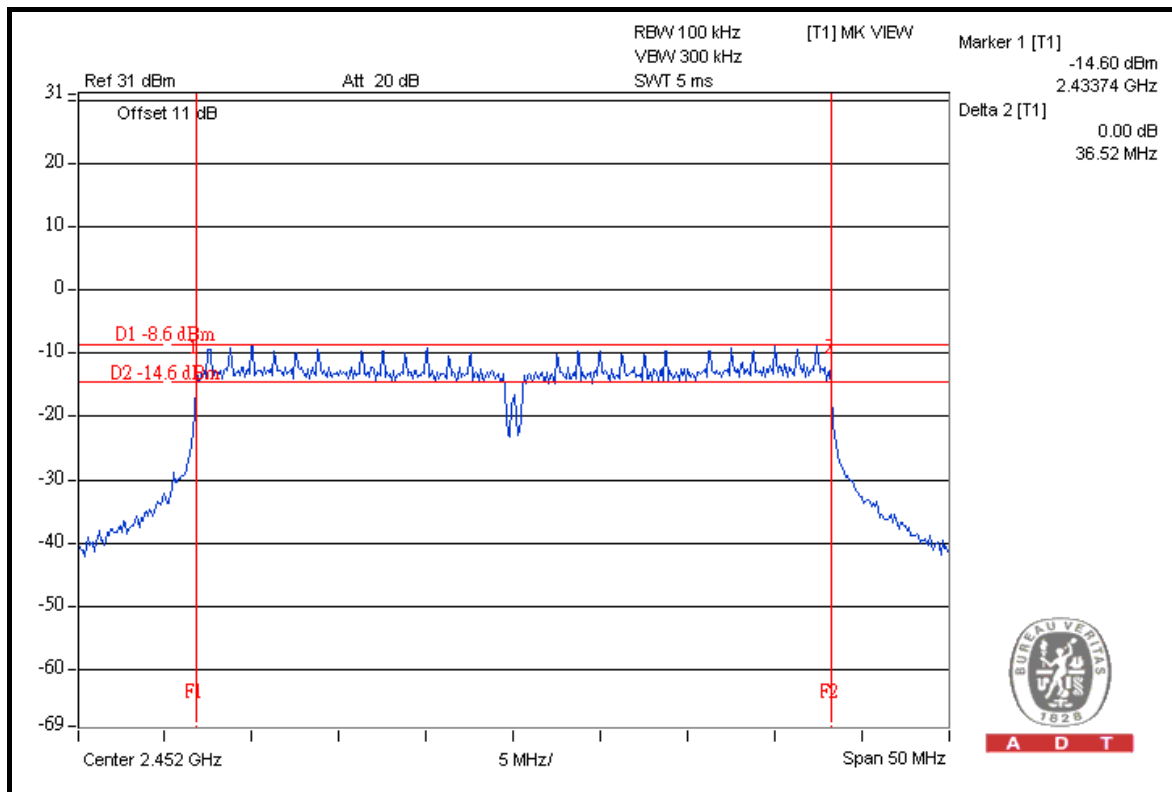


A D T

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2422	36.50	36.50	36.51	0.5	PASS
4	2437	36.48	36.49	36.47	0.5	PASS
7	2452	36.48	36.50	36.52	0.5	PASS

FOR CHAIN 2: CH 7



A D T



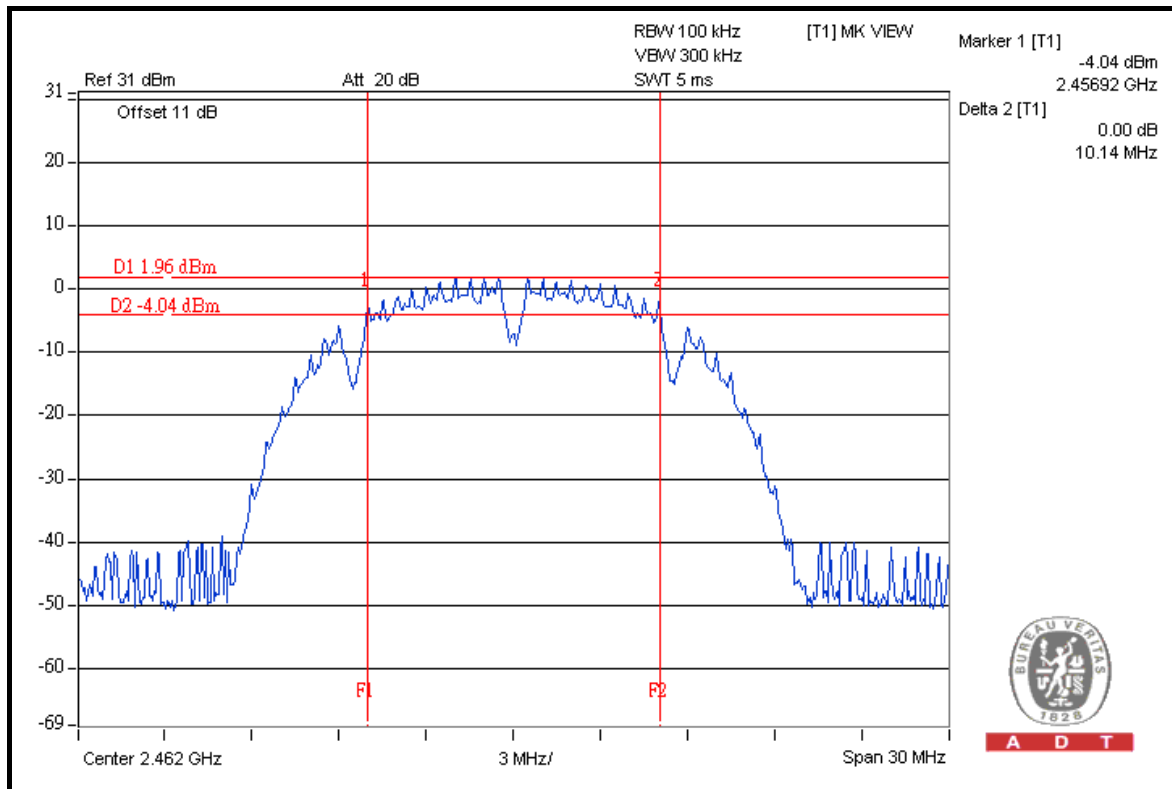
A D T

4.3.12 TEST RESULTS (TEST MODE C 2)

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.10	10.12	10.12	0.5	PASS
6	2437	10.12	10.13	10.12	0.5	PASS
11	2462	10.13	10.11	10.14	0.5	PASS

FOR CHAIN 2: CH 11



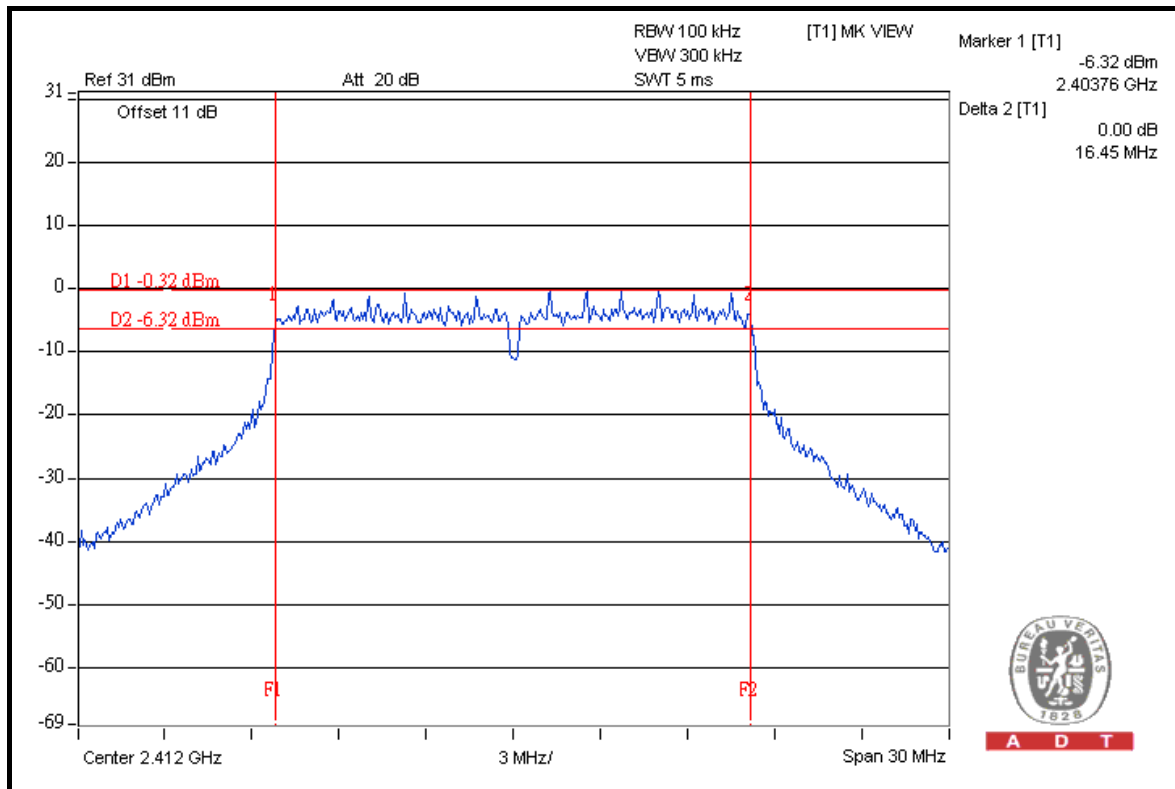


A D T

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.45	16.43	16.44	0.5	PASS
6	2437	16.41	16.42	16.42	0.5	PASS
11	2462	16.44	16.44	16.44	0.5	PASS

FOR CHAIN 0: CH 1



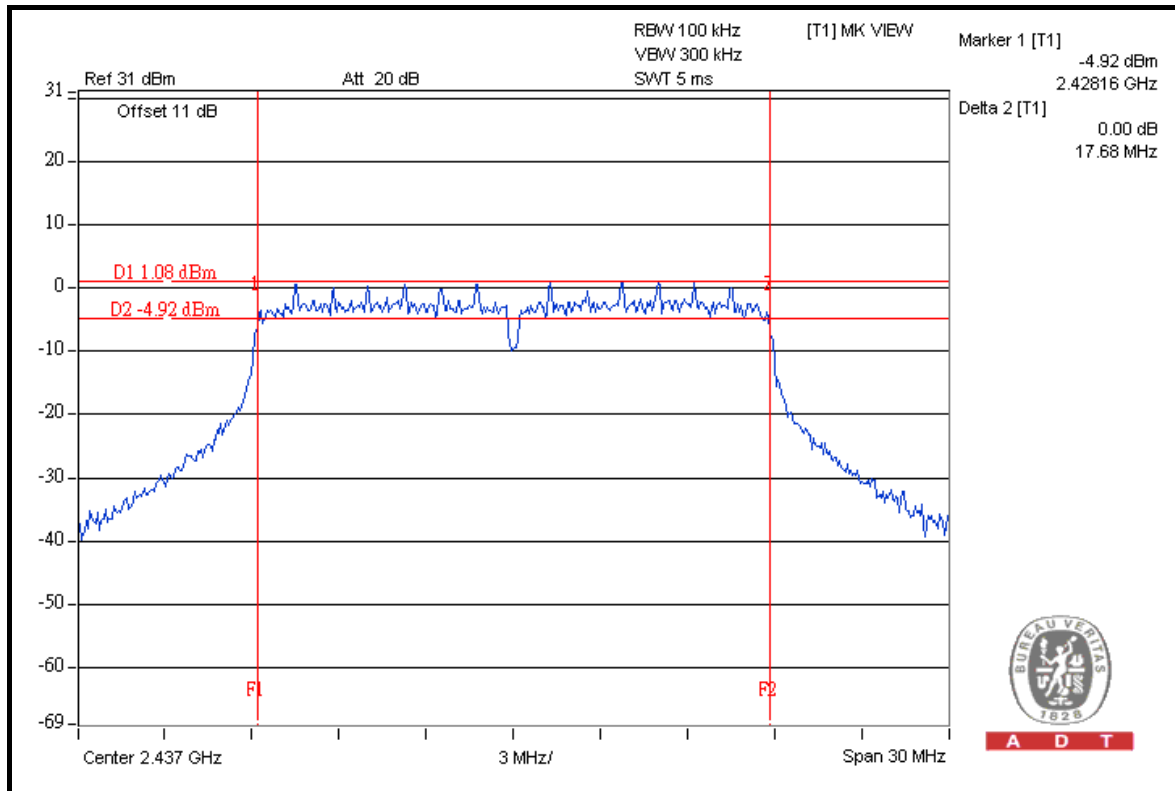


A D T

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.65	17.62	17.63	0.5	PASS
6	2437	17.65	17.68	17.66	0.5	PASS
11	2462	17.61	17.63	17.63	0.5	PASS

FOR CHAIN 1: CH 6



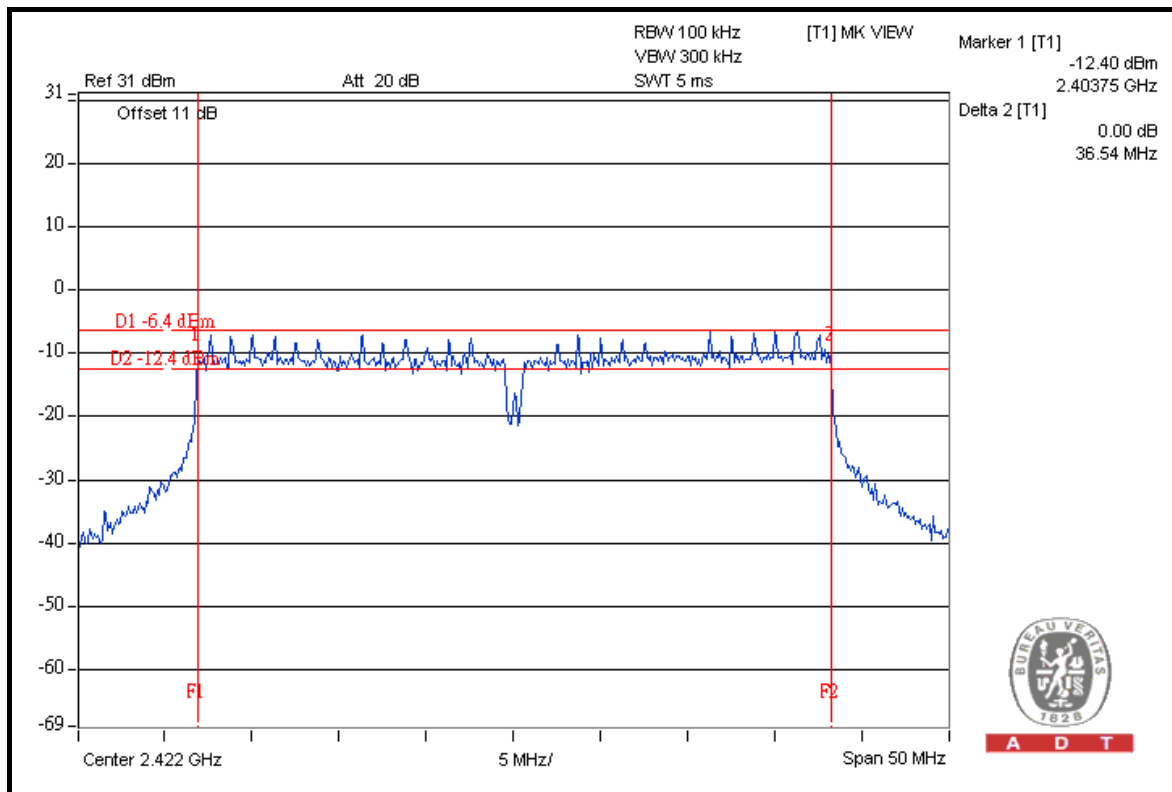


A D T

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2422	36.54	36.52	36.51	0.5	PASS
4	2437	36.50	36.52	36.51	0.5	PASS
7	2452	36.47	36.53	36.52	0.5	PASS

FOR CHAIN 0: CH 1



A D T



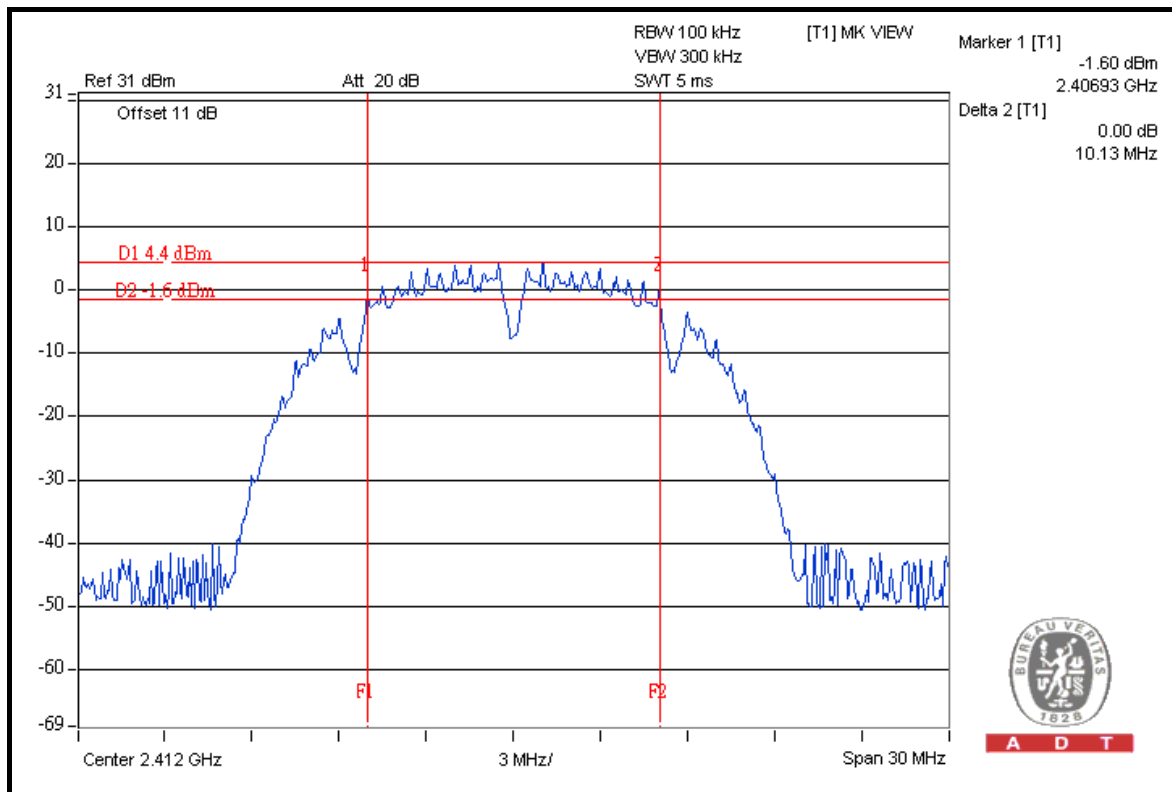
A D T

4.3.13 TEST RESULTS (TEST MODE D 1)

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.07	10.13	10.08	0.5	PASS
6	2437	10.09	10.10	10.09	0.5	PASS
11	2462	10.11	10.04	10.07	0.5	PASS

FOR CHAIN 1: CH 1



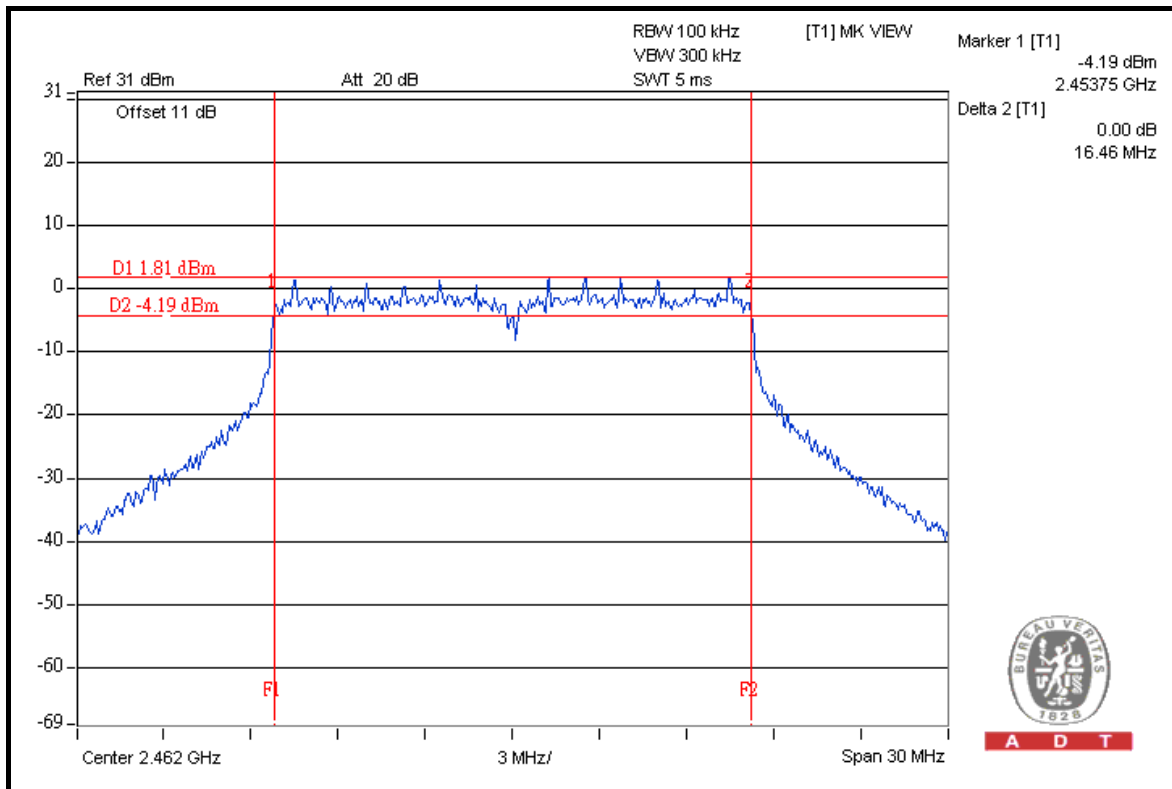


A D T

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.44	16.42	16.44	0.5	PASS
6	2437	16.40	16.41	16.42	0.5	PASS
11	2462	16.46	16.44	16.45	0.5	PASS

FOR CHAIN 0: CH 11



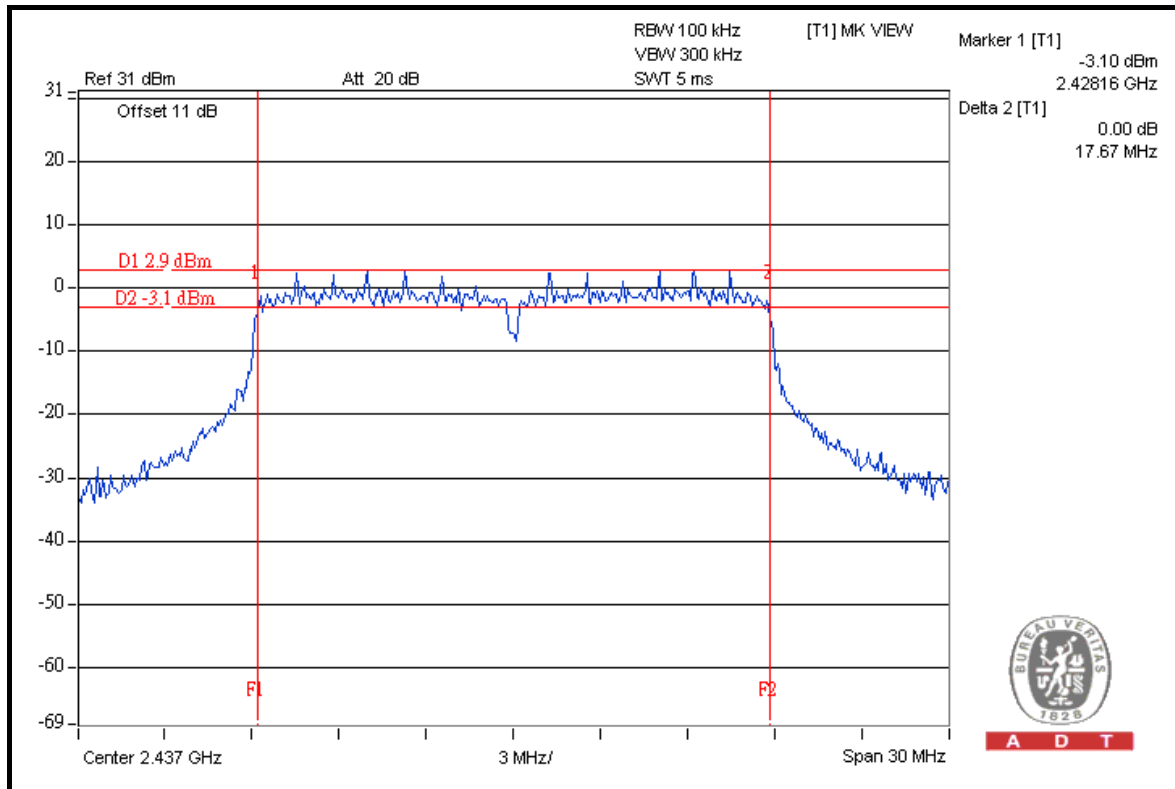


A D T

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.62	17.63	17.63	0.5	PASS
6	2437	17.65	17.59	17.67	0.5	PASS
11	2462	17.62	17.62	17.62	0.5	PASS

FOR CHAIN 2: CH 6



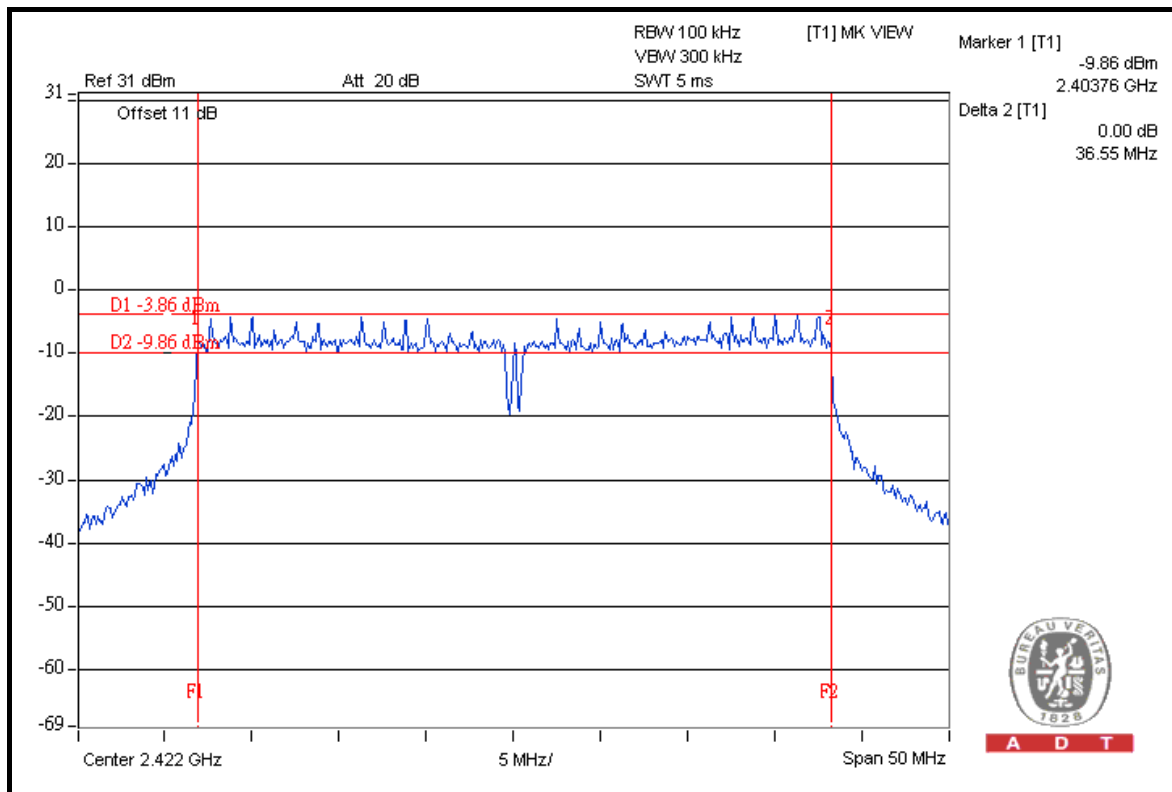


A D T

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2422	36.55	36.54	36.52	0.5	PASS
4	2437	36.49	36.49	36.48	0.5	PASS
7	2452	36.52	36.50	36.49	0.5	PASS

FOR CHAIN 0: CH 1



A D T



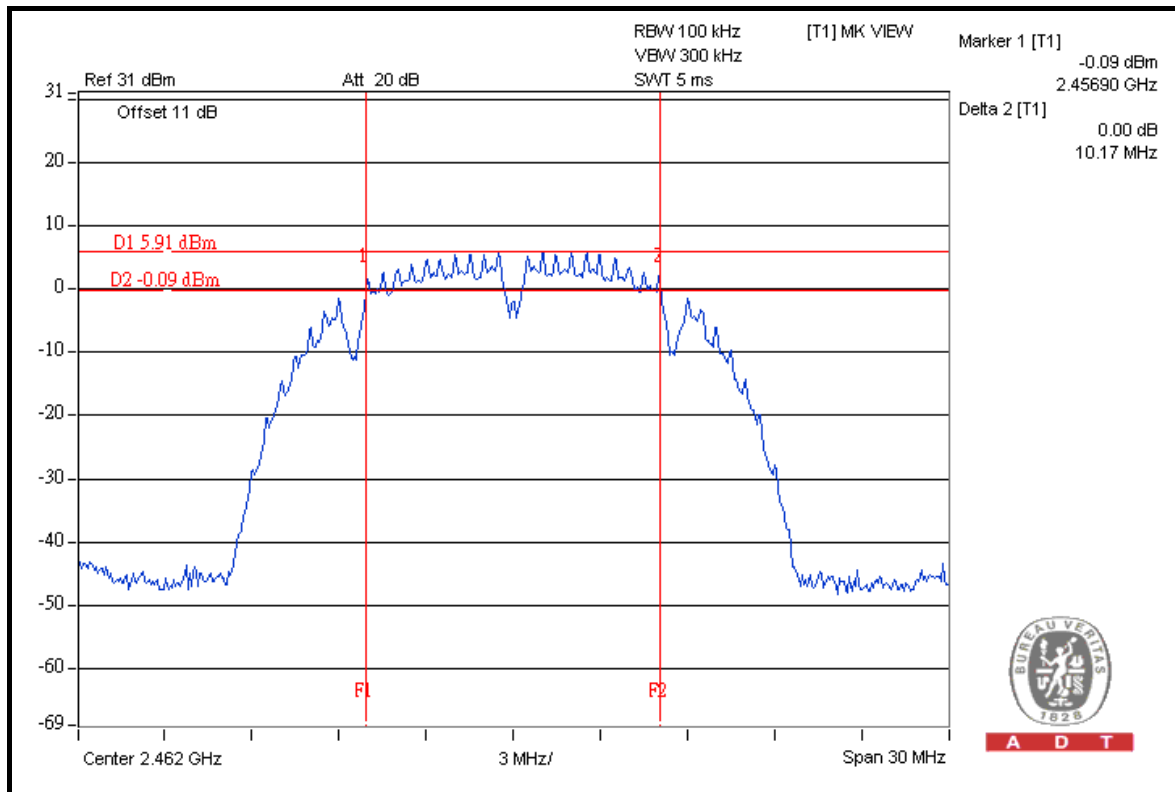
A D T

4.3.14 TEST RESULTS (TEST MODE D 2)

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.13	10.12	10.09	0.5	PASS
6	2437	10.10	10.09	10.13	0.5	PASS
11	2462	10.15	10.17	10.10	0.5	PASS

FOR CHAIN 1: CH 11



A D T

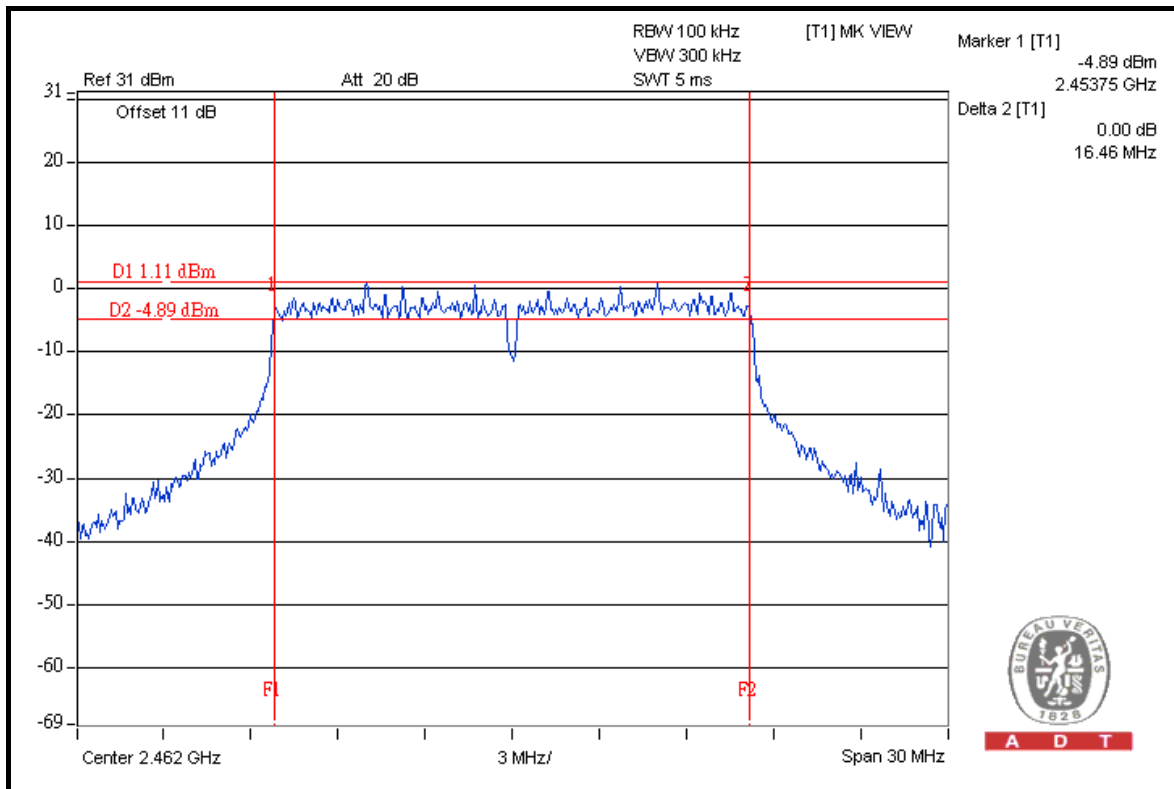


A D T

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.43	16.45	16.44	0.5	PASS
6	2437	16.44	16.43	16.44	0.5	PASS
11	2462	16.44	16.44	16.46	0.5	PASS

FOR CHAIN 2: CH 11



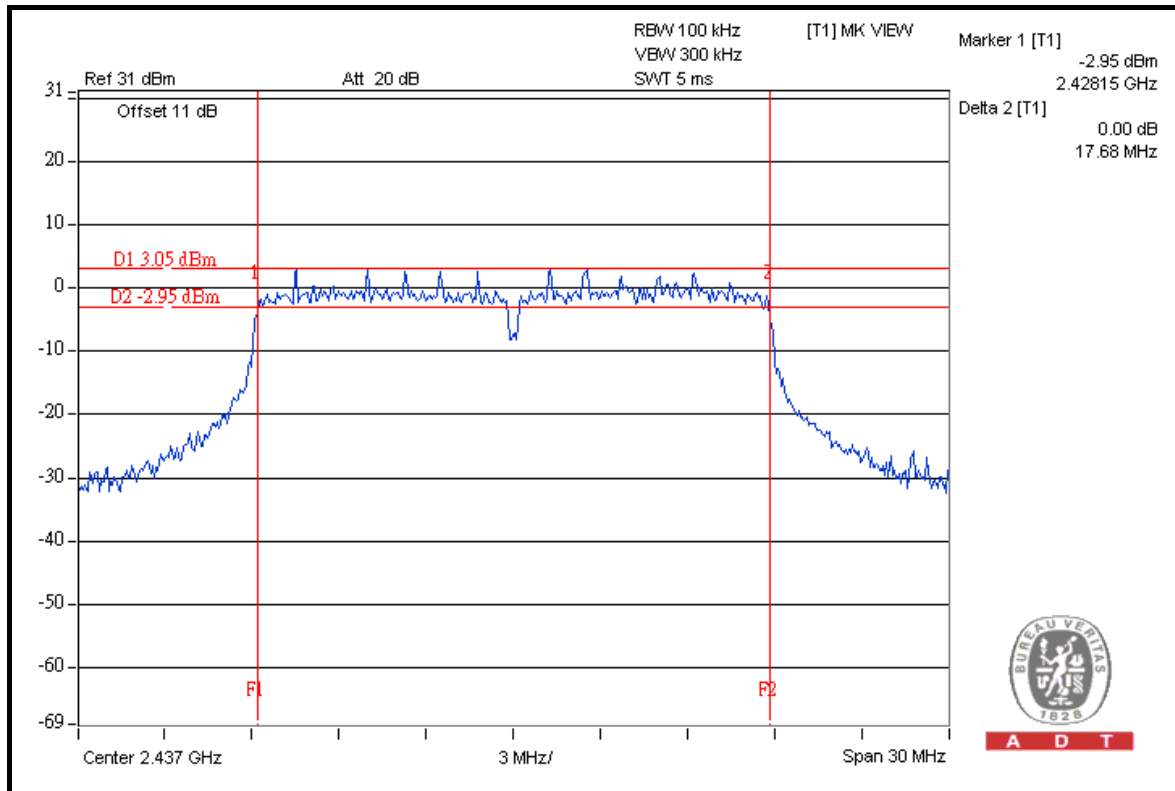


A D T

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.61	17.62	17.63	0.5	PASS
6	2437	17.64	17.62	17.68	0.5	PASS
11	2462	17.63	17.64	17.65	0.5	PASS

FOR CHAIN 2: CH 6



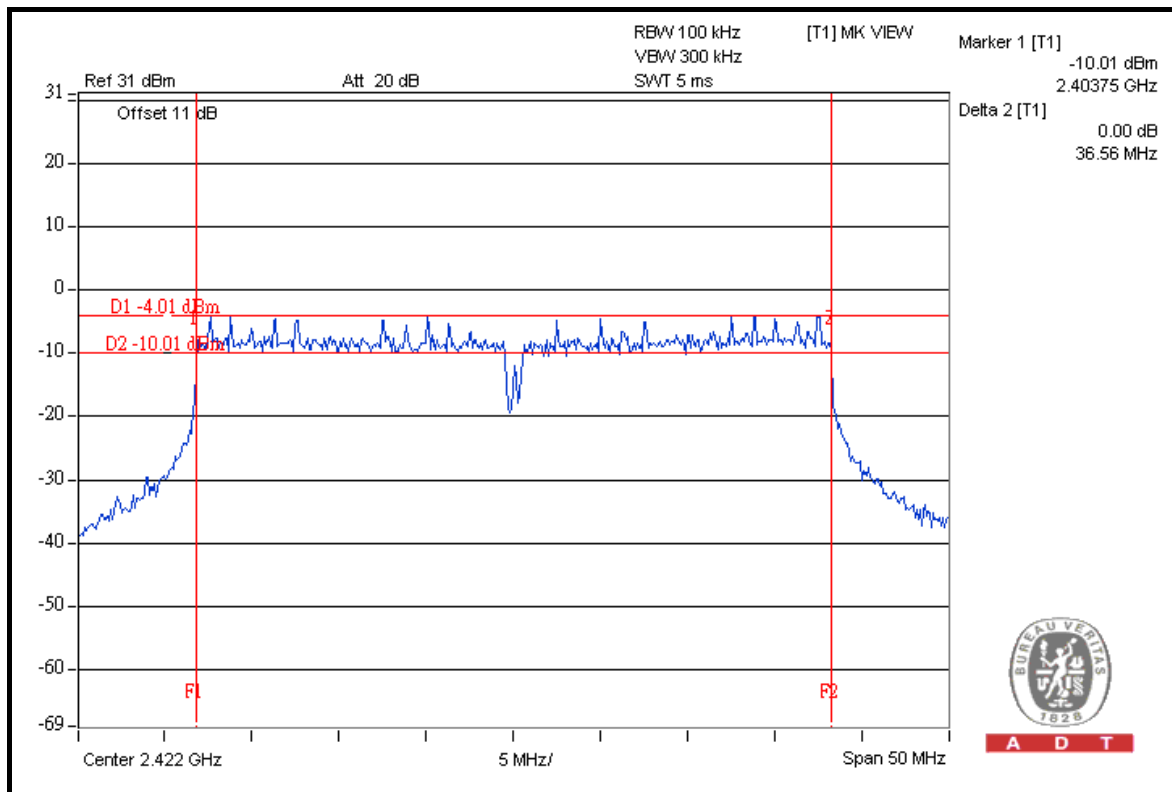


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802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2422	36.52	36.52	36.56	0.5	PASS
4	2437	36.54	36.51	36.50	0.5	PASS
7	2452	36.51	36.48	36.48	0.5	PASS

FOR CHAIN 2: CH 1





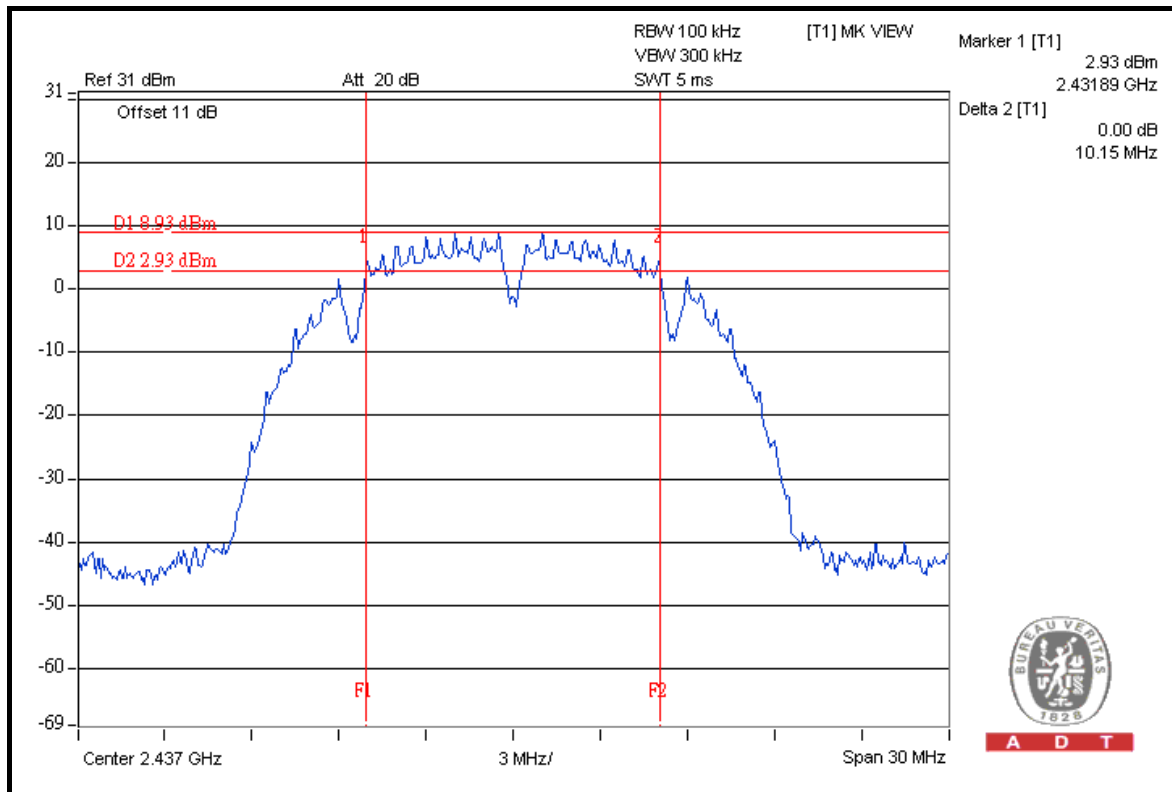
A D T

4.3.15 TEST RESULTS (TEST MODE E 1)

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	10.07	10.14	10.08	0.5	PASS
6	2437	10.15	10.11	10.14	0.5	PASS
11	2462	10.11	10.12	10.13	0.5	PASS

FOR CHAIN 0: CH 6



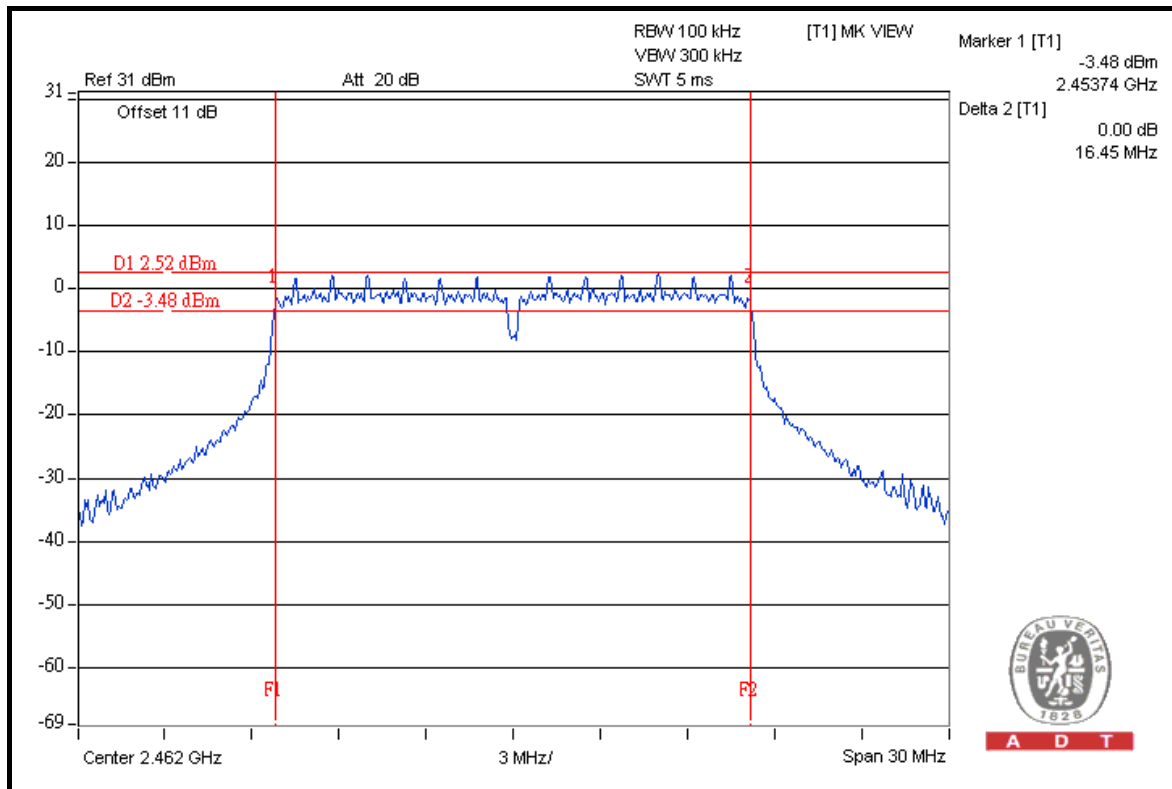


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802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.44	16.44	16.44	0.5	PASS
6	2437	16.43	16.42	16.44	0.5	PASS
11	2462	16.45	16.45	16.42	0.5	PASS

FOR CHAIN 1: CH 11



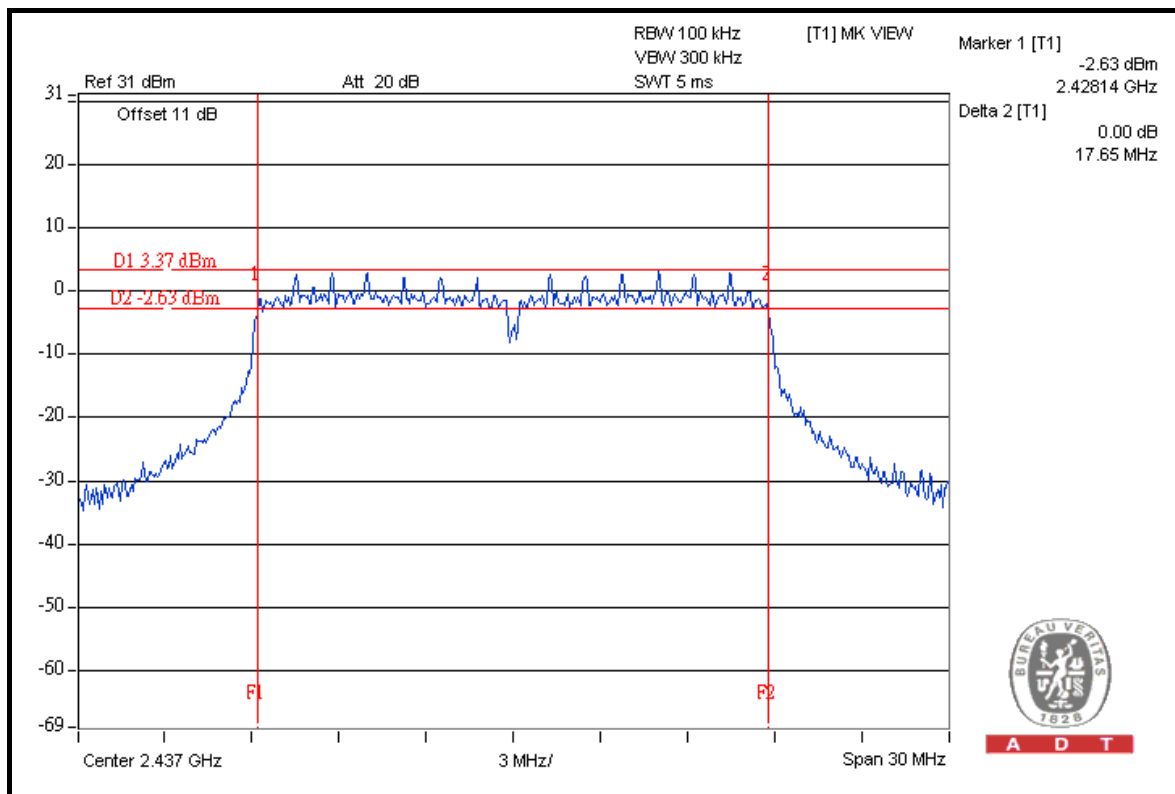


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802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.64	17.63	17.63	0.5	PASS
6	2437	17.63	17.64	17.65	0.5	PASS
11	2462	17.64	17.63	17.64	0.5	PASS

FOR CHAIN 2: CH 6



A D T

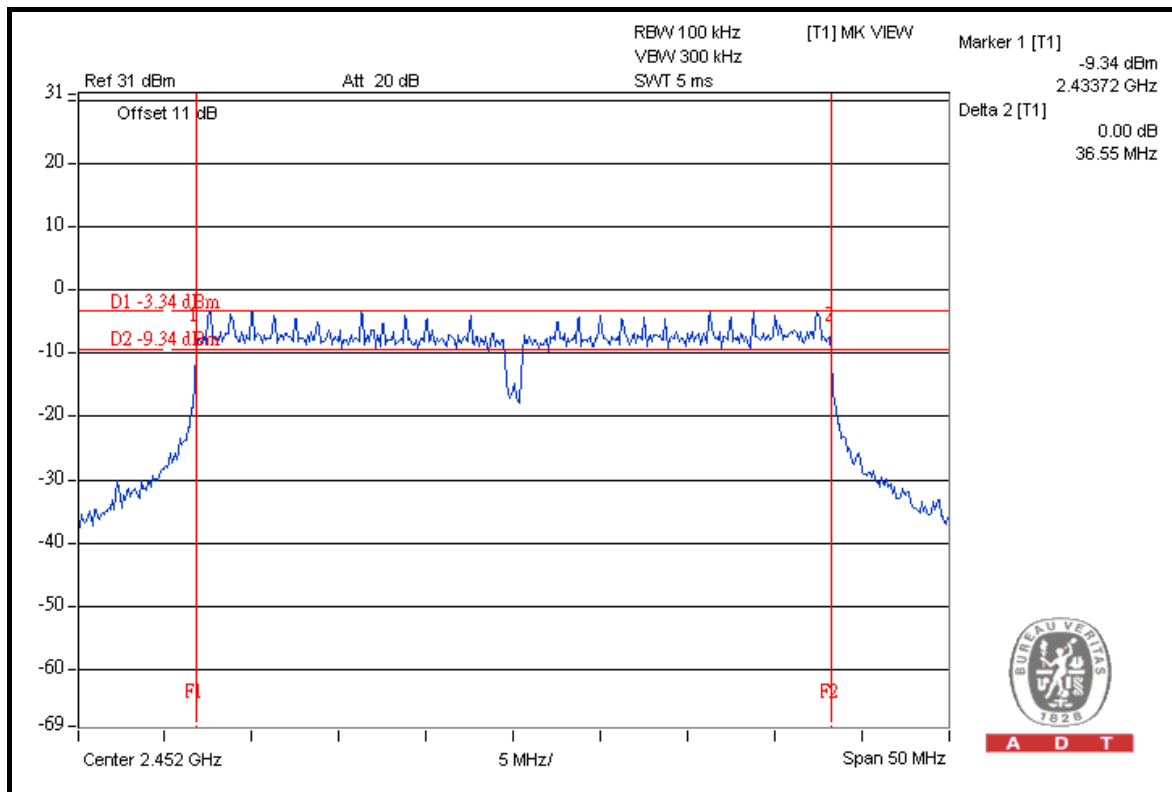


A D T

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2422	36.53	36.52	36.50	0.5	PASS
4	2437	36.51	36.49	36.53	0.5	PASS
7	2452	36.51	36.55	36.51	0.5	PASS

FOR CHAIN 1: CH 7





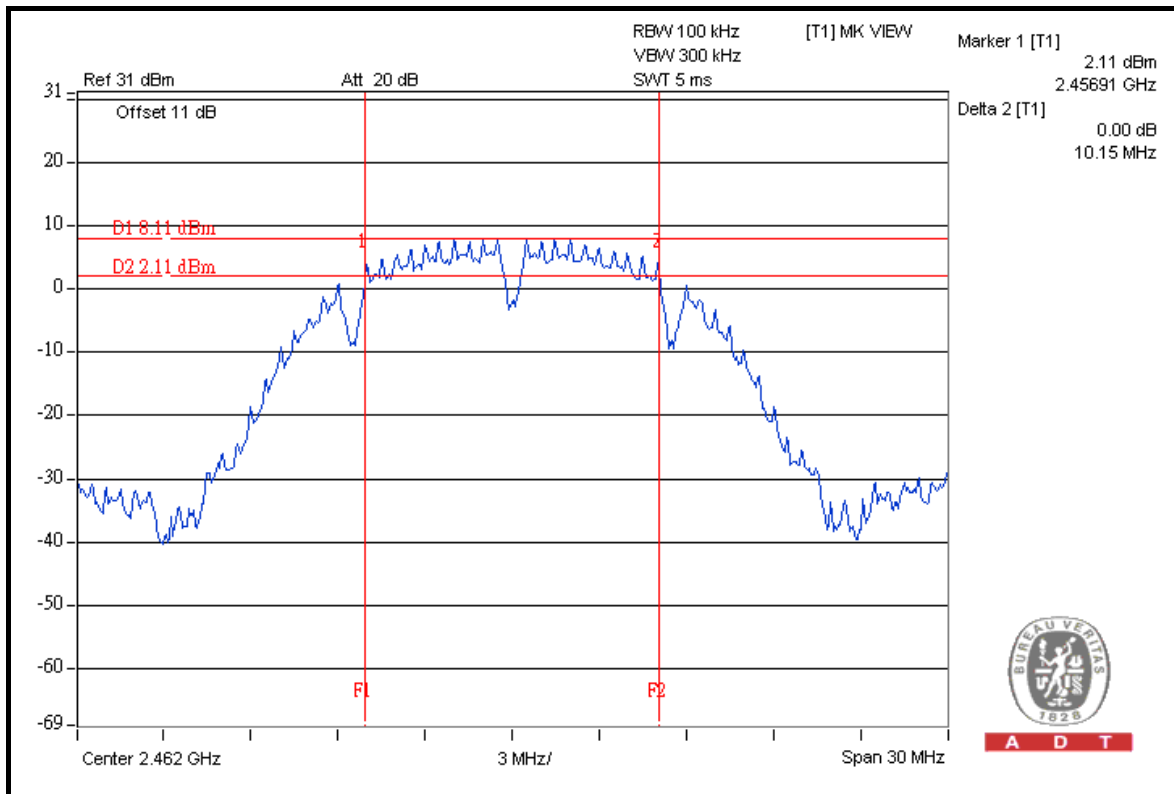
A D T

4.3.16 TEST RESULTS (TEST MODE E 2)

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	9.93	10.08	10.13	0.5	PASS
6	2437	10.11	10.10	10.14	0.5	PASS
11	2462	10.09	10.11	10.15	0.5	PASS

FOR CHAIN 2: CH 11



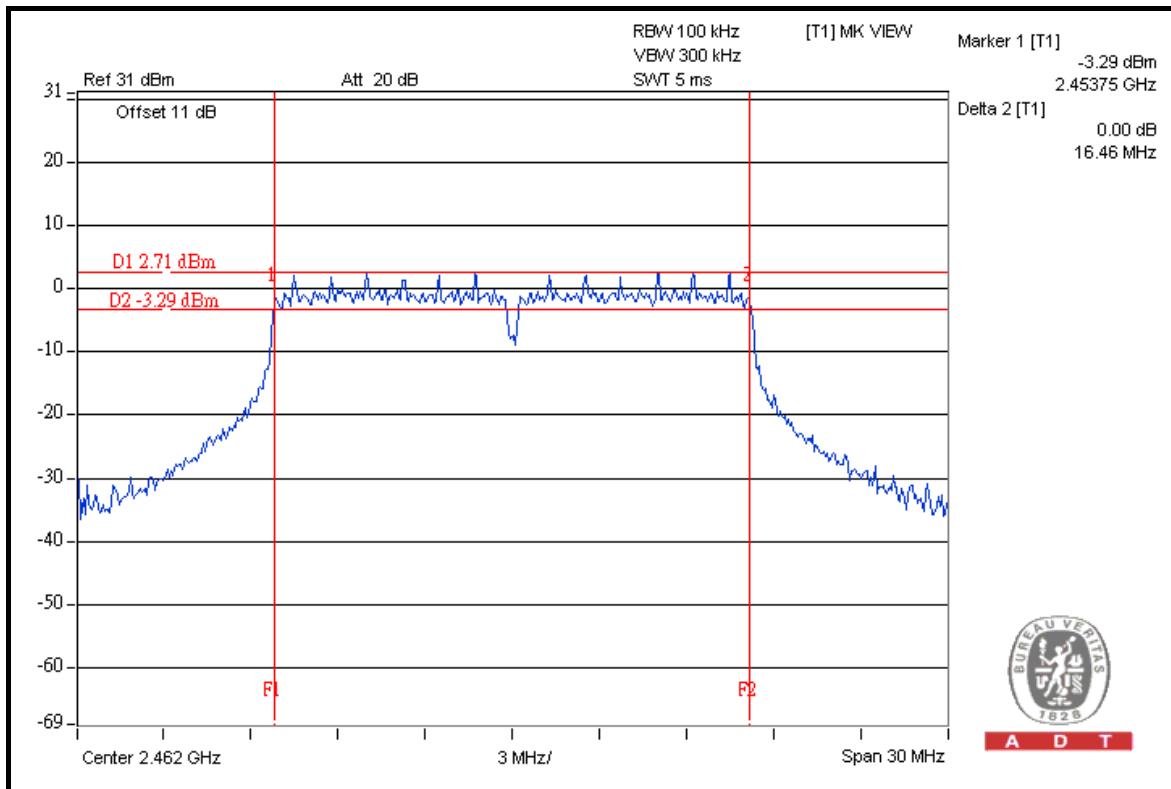


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802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	16.42	16.42	16.42	0.5	PASS
6	2437	16.38	16.39	16.40	0.5	PASS
11	2462	16.40	16.46	16.44	0.5	PASS

FOR CHAIN 1: CH 11



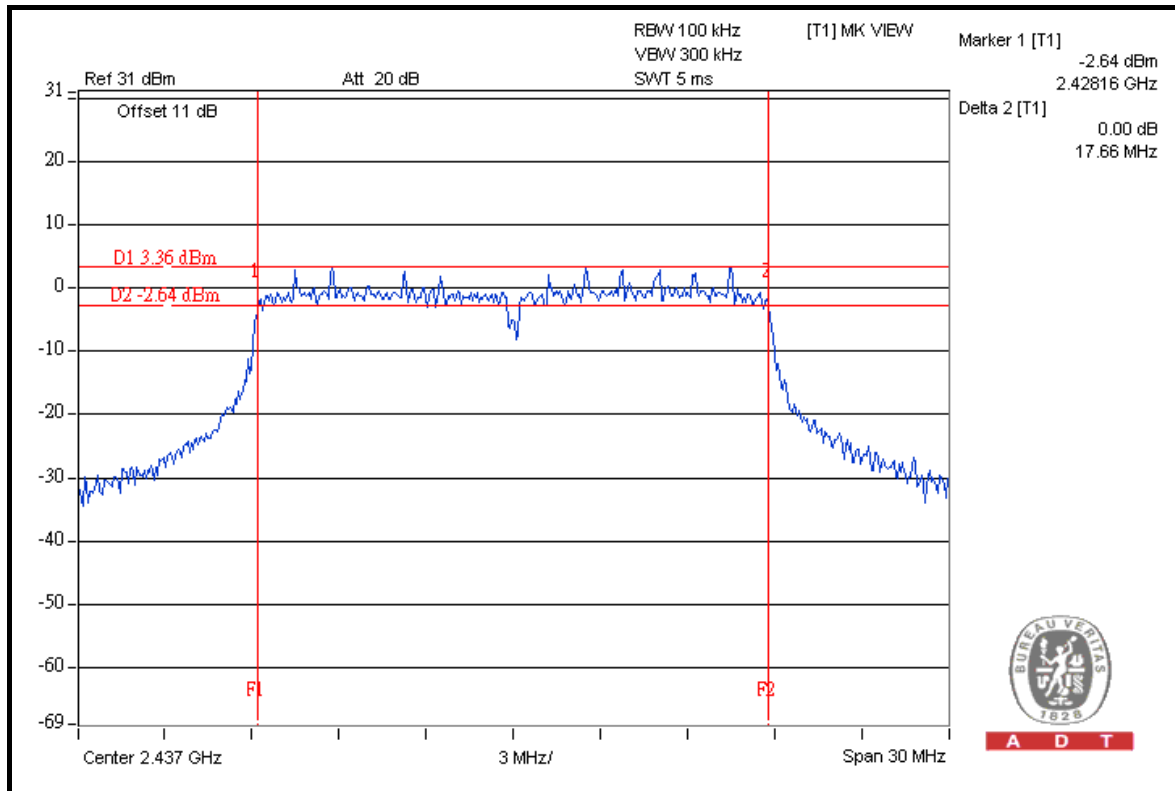


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802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2412	17.62	17.65	17.64	0.5	PASS
6	2437	17.64	17.66	17.65	0.5	PASS
11	2462	17.62	17.62	17.61	0.5	PASS

FOR CHAIN 1: CH 6



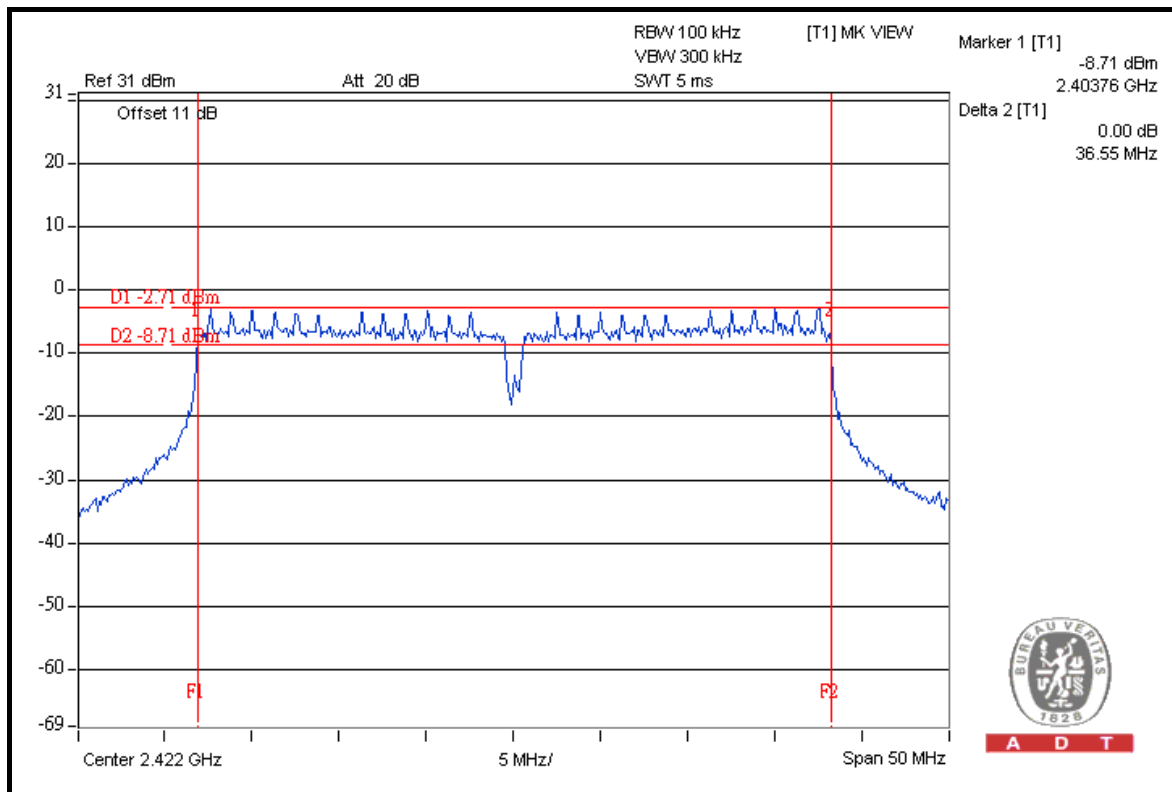


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802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
1	2422	36.53	36.50	36.55	0.5	PASS
4	2437	36.48	36.53	36.51	0.5	PASS
7	2452	36.53	36.49	36.54	0.5	PASS

FOR CHAIN 2: CH 1





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4.4 MAXIMUM OUTPUT POWER

4.4.1 LIMITS OF MAXIMUM OUTPUT POWER MEASUREMENT

The Maximum Output Power Measurement is 30dBm.

4.4.2 INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
High Speed Peak Power Meter	ML2495A	0842014	Apr. 21, 2010	Apr. 20, 2011
Power Sensor	MA2411B	0738404	Apr. 21, 2010	Apr. 20, 2011

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. Measurement Bandwidth of ML2495A is 65MHz greater than 6dB bandwidth of emission.

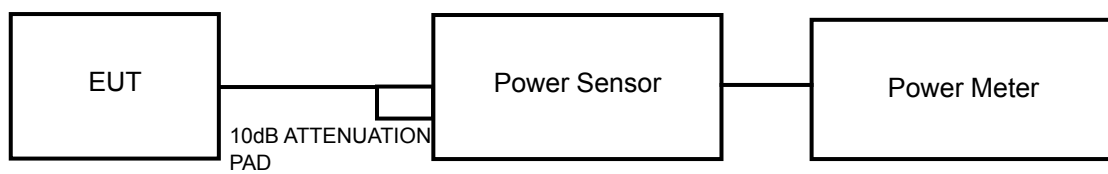
4.4.3 TEST PROCEDURE

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

4.4.4 DEVIATION FROM TEST STANDARD

No deviation.

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

Same as Item 4.3.6.



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4.4.7 TEST RESULTS (TEST MODE A 1)

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.0	20.1	19.8	297.8	24.7	25.8	PASS
6	2437	20.0	20.1	19.9	300.1	24.8	25.8	PASS
11	2462	19.0	19.2	19.1	243.9	23.9	25.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (10.18 - 6) = 25.8\text{dBm}$

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.4	20.5	20.7	339.3	25.3	25.8	PASS
6	2437	20.5	20.6	20.7	344.5	25.4	25.8	PASS
11	2462	20.6	20.7	20.5	344.5	25.4	25.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (10.18 - 6) = 25.8\text{dBm}$



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802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.4	20.7	20.4	336.8	25.3	25.8	PASS
6	2437	20.5	20.8	20.6	347.2	25.4	25.8	PASS
11	2462	20.3	20.6	20.5	334.2	25.2	25.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (10.18 - 6) = 25.8\text{dBm}$

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2422	20.2	20.2	20.4	319.1	25.0	25.8	PASS
4	2437	20.4	20.3	20.5	329.0	25.2	25.8	PASS
7	2452	20.3	20.1	20.0	309.5	24.9	25.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (10.18 - 6) = 25.8\text{dBm}$



4.4.8 TEST RESULTS (TEST MODE A 2)

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.1	20.0	19.8	297.8	24.7	25.8	PASS
6	2437	19.9	20.1	19.8	295.6	24.7	25.8	PASS
11	2462	19.1	19.2	19.3	249.6	24.0	25.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (10.18 - 6) = 25.8\text{dBm}$

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.5	20.6	20.7	344.5	25.4	25.8	PASS
6	2437	20.6	20.8	20.8	355.3	25.5	25.8	PASS
11	2462	20.6	20.7	20.7	349.8	25.4	25.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (10.18 - 6) = 25.8\text{dBm}$

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	21.8	21.7	21.7	447.2	26.5	30	PASS
6	2437	24.2	23.8	23.6	732.0	28.6	30	PASS
11	2462	20.4	20.7	20.6	342.0	25.3	30	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2422	20.3	20.4	20.3	324.0	25.1	30	PASS
4	2437	21.4	21.4	21.2	407.9	26.1	30	PASS
7	2452	20.1	20.3	20.1	311.8	24.9	30	PASS

4.4.9 TEST RESULTS (TEST MODE B 1)

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	18.2	18.6	18.2	204.6	23.1	27.7	PASS
6	2437	21.6	22.0	21.6	447.6	26.5	27.7	PASS
11	2462	16.6	16.5	16.5	135.0	21.3	27.7	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = 8.0dBi + 10log(3) = 12.77dBi > 6dBi , so the conducted power limit shall be reduced to $30 - \lceil (12.77-6)/3 \rceil = 27.7\text{dBm}$

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	22.0	22.2	22.1	486.6	26.9	27.7	PASS
6	2437	23.0	22.8	22.7	576.3	27.6	27.7	PASS
11	2462	21.9	22.1	21.9	471.9	26.7	27.7	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = 8.0dBi + 10log(3) = 12.77dBi > 6dBi , so the conducted power limit shall be reduced to $30 - \lceil (12.77-6)/3 \rceil = 27.7\text{dBm}$

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	21.3	21.5	21.2	408.0	26.11	27.74	PASS
6	2437	22.8	23.0	22.9	585.1	27.67	27.74	PASS
11	2462	21.2	21.4	21.3	404.8	26.07	27.74	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = $8.0\text{dBi} + 10\log(3) = 12.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - \left[\frac{(12.77-6)}{3} \right] = 27.74\text{dBm}$

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2422	19.6	19.7	19.6	275.7	24.4	27.7	PASS
4	2437	21.2	21.2	21.1	392.5	25.9	27.7	PASS
7	2452	19.4	19.5	19.4	263.3	24.2	27.7	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = $8.0\text{dBi} + 10\log(3) = 12.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - \left[\frac{(12.77-6)}{3} \right] = 27.7\text{dBm}$



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4.4.10 TEST RESULTS (TEST MODE B 2)

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	18.4	18.7	18.3	210.9	23.2	27.7	PASS
6	2437	21.8	22.1	21.7	461.4	26.6	27.7	PASS
11	2462	16.8	16.8	16.7	142.5	21.5	27.7	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = $8.0\text{dBi} + 10\log(3) = 12.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - \lceil (12.77 - 6) / 3 \rceil = 27.7\text{dBm}$

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	22.1	22.2	22.3	498.0	26.97	27.74	PASS
6	2437	23.1	22.9	22.8	589.7	27.71	27.74	PASS
11	2462	22.0	22.4	22.1	494.5	26.94	27.74	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = $8.0\text{dBi} + 10\log(3) = 12.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - \lceil (12.77 - 6) / 3 \rceil = 27.74\text{dBm}$



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802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	21.5	21.6	21.4	423.8	26.3	29.3	PASS
6	2437	24.2	23.8	23.6	732.0	28.6	29.3	PASS
11	2462	21.4	21.6	21.4	420.6	26.2	29.3	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. The antenna gain 8dBi is higher than 6dBi, so the conducted power limit shall be reduced to $30 - \lceil (8-6)/3 \rceil = 29.3\text{dBm}$

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2422	19.7	19.8	19.7	282.2	24.5	29.3	PASS
4	2437	21.4	21.4	21.2	407.9	26.1	29.3	PASS
7	2452	19.5	19.6	19.5	269.5	24.3	29.3	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. The antenna gain 8dBi is higher than 6dBi, so the conducted power limit shall be reduced to $30 - \lceil (8-6)/3 \rceil = 29.3\text{dBm}$



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4.4.11 TEST RESULTS (TEST MODE C 1)

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	14.3	13.5	13.8	73.3	18.7	26.8	PASS
6	2437	15.0	15.0	14.9	94.1	19.7	26.8	PASS
11	2462	14.3	13.5	13.8	73.3	18.7	26.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = $10.9\text{dBi} + 10\log(3) = 15.67\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - \lceil (15.67 - 6) / 3 \rceil = 26.8\text{dBm}$

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.2	19.6	20.1	298.2	24.7	26.8	PASS
6	2437	20.7	21.1	20.6	361.1	25.6	26.8	PASS
11	2462	19.6	19.2	19.5	263.5	24.2	26.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = $10.9\text{dBi} + 10\log(3) = 15.67\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - \lceil (15.67 - 6) / 3 \rceil = 26.8\text{dBm}$

**802.11n (20MHz)**

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.5	19.2	20.1	297.7	24.7	26.8	PASS
6	2437	22.1	21.4	21.3	435.1	26.4	26.8	PASS
11	2462	18.6	19.0	19.3	237.0	23.7	26.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = $10.9\text{dBi} + 10\log(3) = 15.67\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - \left[\frac{(15.67-6)}{3} \right] = 26.8\text{dBm}$

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2422	17.9	17.5	17.6	175.4	22.4	26.8	PASS
4	2437	21.1	20.2	20.9	356.6	25.5	26.8	PASS
7	2452	16.3	15.4	15.7	114.5	20.6	26.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = $10.9\text{dBi} + 10\log(3) = 15.67\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - \left[\frac{(15.67-6)}{3} \right] = 26.8\text{dBm}$



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4.4.12 TEST RESULTS (TEST MODE C 2)

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	14.4	13.7	13.9	75.5	18.8	26.8	PASS
6	2437	15.1	15.2	14.9	96.4	19.8	26.8	PASS
11	2462	14.4	13.6	13.9	75.0	18.8	26.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = $10.9\text{dBi} + 10\log(3) = 15.67\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - \left[\frac{(15.67-6)}{3} \right] = 26.8\text{dBm}$

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.4	19.7	20.2	307.7	24.9	26.8	PASS
6	2437	20.9	21.2	20.8	375.1	25.7	26.8	PASS
11	2462	19.8	19.4	19.6	273.8	24.4	26.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = $10.9\text{dBi} + 10\log(3) = 15.67\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - \left[\frac{(15.67-6)}{3} \right] = 26.8\text{dBm}$

**802.11n (20MHz)**

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.6	19.4	20.3	309.1	24.9	28.4	PASS
6	2437	23.2	22.1	22.1	533.3	27.3	28.4	PASS
11	2462	18.8	19.1	19.5	246.3	23.9	28.4	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. The maximum antenna gain 10.9dBi is higher than 6dBi, so the conducted power limit shall be reduced to $30 - \left[\frac{(10.9-6)}{3} \right] = 28.4\text{dBm}$

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2422	18.0	17.6	17.6	178.2	22.5	28.4	PASS
4	2437	21.3	20.4	21.0	370.4	25.7	28.4	PASS
7	2452	16.5	15.5	15.8	118.2	20.7	28.4	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. The maximum antenna gain 10.9dBi is higher than 6dBi, so the conducted power limit shall be reduced to $30 - \left[\frac{(10.9-6)}{3} \right] = 28.4\text{dBm}$



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4.4.13 TEST RESULTS (TEST MODE D 1)

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	16.8	16.9	16.8	144.7	21.6	28.2	PASS
6	2437	19.1	19.3	19.2	249.6	24.0	28.2	PASS
11	2462	18.0	18.3	17.9	192.4	22.8	28.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (7.77 - 6) = 28.2\text{dBm}$

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	22.6	22.5	22.7	546.0	27.4	28.2	PASS
6	2437	23.0	22.8	22.7	576.3	27.6	28.2	PASS
11	2462	22.5	22.4	22.5	529.4	27.2	28.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (7.77 - 6) = 28.2\text{dBm}$



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802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	23.2	23.5	23.4	651.6	28.14	28.23	PASS
6	2437	23.3	23.5	23.5	661.5	28.21	28.23	PASS
11	2462	20.3	20.6	20.5	334.2	25.24	28.23	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (7.77 - 6) = 28.23\text{dBm}$

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2422	20.2	20.2	20.4	319.1	25.0	28.2	PASS
4	2437	22.3	22.2	22.1	498.0	27.0	28.2	PASS
7	2452	19.6	19.7	19.6	275.7	24.4	28.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (7.77 - 6) = 28.2\text{dBm}$



4.4.14 TEST RESULTS (TEST MODE D 2)

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	16.9	17.0	17.0	149.2	21.7	28.2	PASS
6	2437	19.2	19.4	19.3	255.4	24.1	28.2	PASS
11	2462	18.1	18.4	18.0	196.8	22.9	28.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (7.77 - 6) = 28.2\text{dBm}$

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	22.8	22.7	22.8	567.3	27.5	28.2	PASS
6	2437	23.1	22.9	22.8	589.7	27.7	28.2	PASS
11	2462	22.6	22.5	22.6	541.8	27.3	28.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (7.77 - 6) = 28.2\text{dBm}$



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802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	23.4	23.7	23.5	677.1	28.3	30.0	PASS
6	2437	24.2	23.8	23.6	732.0	28.6	30.0	PASS
11	2462	20.4	20.7	20.6	342.0	25.3	30.0	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2422	20.3	20.4	20.3	324.0	25.1	30.0	PASS
4	2437	22.4	22.4	22.2	513.5	27.1	30.0	PASS
7	2452	19.8	19.9	19.8	288.7	24.6	30.0	PASS



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4.4.15 TEST RESULTS (TEST MODE E 1)

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.5	20.3	20.2	324.1	25.1	29.2	PASS
6	2437	21.6	22.0	21.6	447.6	26.5	29.2	PASS
11	2462	20.1	20.1	20.2	309.4	24.9	29.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = $2\text{dBi} + 10\log(3) = 6.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (6.77 - 6) = 29.2\text{dBm}$

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	22.0	22.2	22.1	486.6	26.9	29.2	PASS
6	2437	24.0	23.4	23.3	683.8	28.3	29.2	PASS
11	2462	23.3	23.6	23.4	661.7	28.2	29.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = $2\text{dBi} + 10\log(3) = 6.77\text{dBi} > 6\text{dBi}$, so the conducted power limit shall be reduced to $30 - (6.77 - 6) = 29.2\text{dBm}$



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802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	21.7	21.6	21.5	433.7	26.4	29.2	PASS
6	2437	24.0	23.6	23.5	704.1	28.5	29.2	PASS
11	2462	23.3	23.4	23.5	656.4	28.2	29.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = 2dBi + 10log(3)=6.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(6.77-6)=29.2dBm

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2422	21.2	21.3	21.2	398.5	26.0	29.2	PASS
4	2437	22.3	22.2	22.1	498.0	27.0	29.2	PASS
7	2452	21.0	21.1	21.0	380.6	25.8	29.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = 2dBi + 10log(3)=6.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(6.77-6)=29.2dBm

4.4.16 TEST RESULTS (TEST MODE E 2)

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	20.6	20.5	20.3	334.2	25.2	29.2	PASS
6	2437	21.8	22.1	21.7	461.4	26.6	29.2	PASS
11	2462	20.2	20.3	20.3	319.0	25.0	29.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = 2dBi + 10log(3)=6.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(6.77-6)=29.2dBm

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	22.1	22.2	22.3	498.0	27.0	29.2	PASS
6	2437	24.1	23.6	23.5	710.0	28.5	29.2	PASS
11	2462	23.5	23.7	23.6	687.4	28.4	29.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = 2dBi + 10log(3)=6.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(6.77-6)=29.2dBm



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802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2412	21.8	21.7	21.7	447.2	26.5	30.0	PASS
6	2437	24.2	23.8	23.6	732.0	28.6	30.0	PASS
11	2462	23.4	23.5	23.6	671.7	28.3	30.0	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
1	2422	21.3	21.4	21.3	407.8	26.1	30.0	PASS
4	2437	22.4	22.4	22.2	513.5	27.1	30.0	PASS
7	2452	21.1	21.3	21.1	392.5	25.9	30.0	PASS



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4.5 POWER SPECTRAL DENSITY MEASUREMENT

4.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

4.5.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
R&S SPECTRUM ANALYZER	FSP40	100039	Jan. 11, 2010	Jan. 10, 2011

NOTE: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.5.3 TEST PROCEDURE

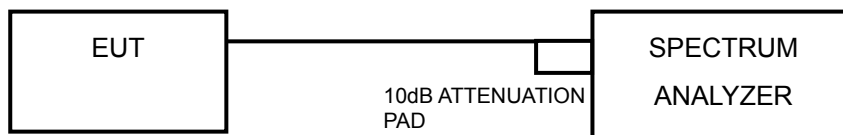
The transmitter output was connected to the spectrum analyzer through an attenuator, the bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3kHz RBW and 30kHz VBW, set sweep time = span/3kHz. The power spectral density was measured and recorded.

The sweep time is allowed to be longer than span/3kHz for a full response of the mixer in the spectrum analyzer.

4.5.4 DEVIATION FROM TEST STANDARD

No deviation

4.5.5 TEST SETUP



4.5.6 EUT OPERATING CONDITION

Same as Item 4.3.6



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4.5.7 TEST RESULTS (TEST MODE A 1)

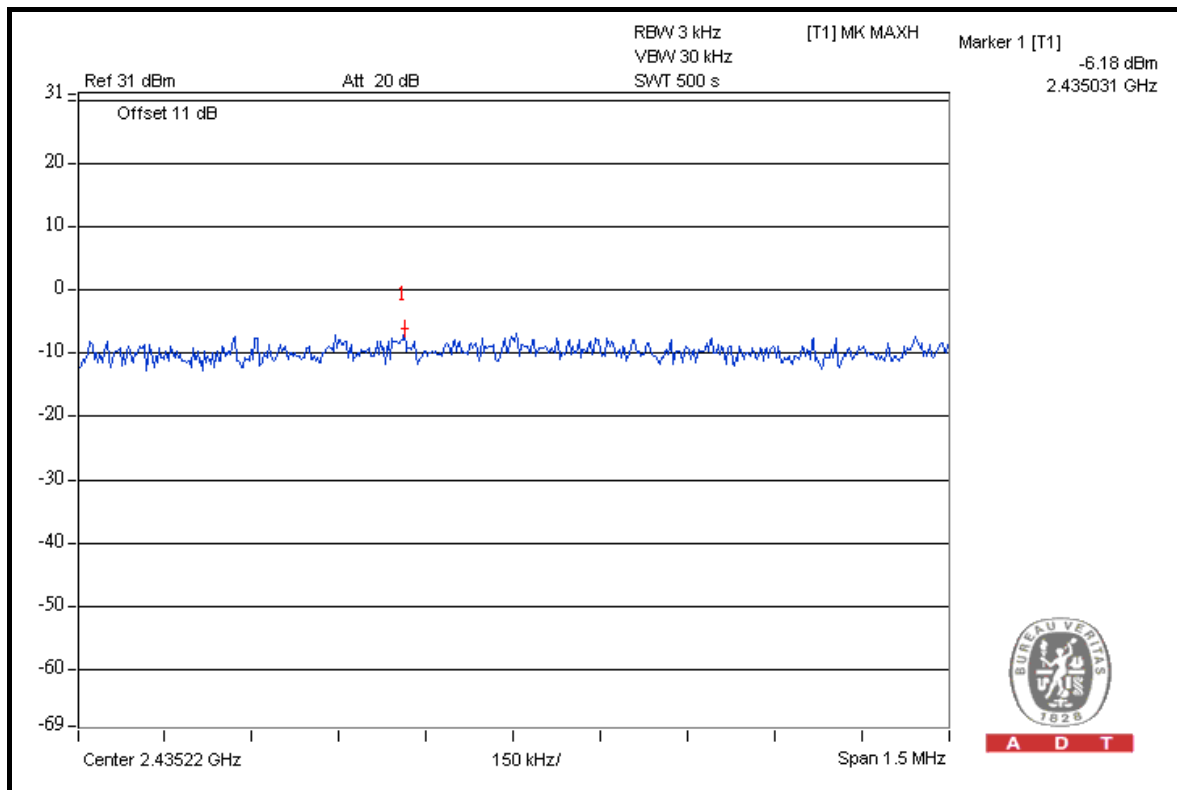
802.11b

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-6.9	-6.9	-6.5	-2.0	3.8	PASS
6	2437	-7.1	-6.8	-6.2	-1.9	3.8	PASS
11	2462	-7.8	-7.6	-7.1	-2.7	3.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - (10.18 - 6) = 3.8\text{dBm}$

FOR CHAIN 2: CH 6



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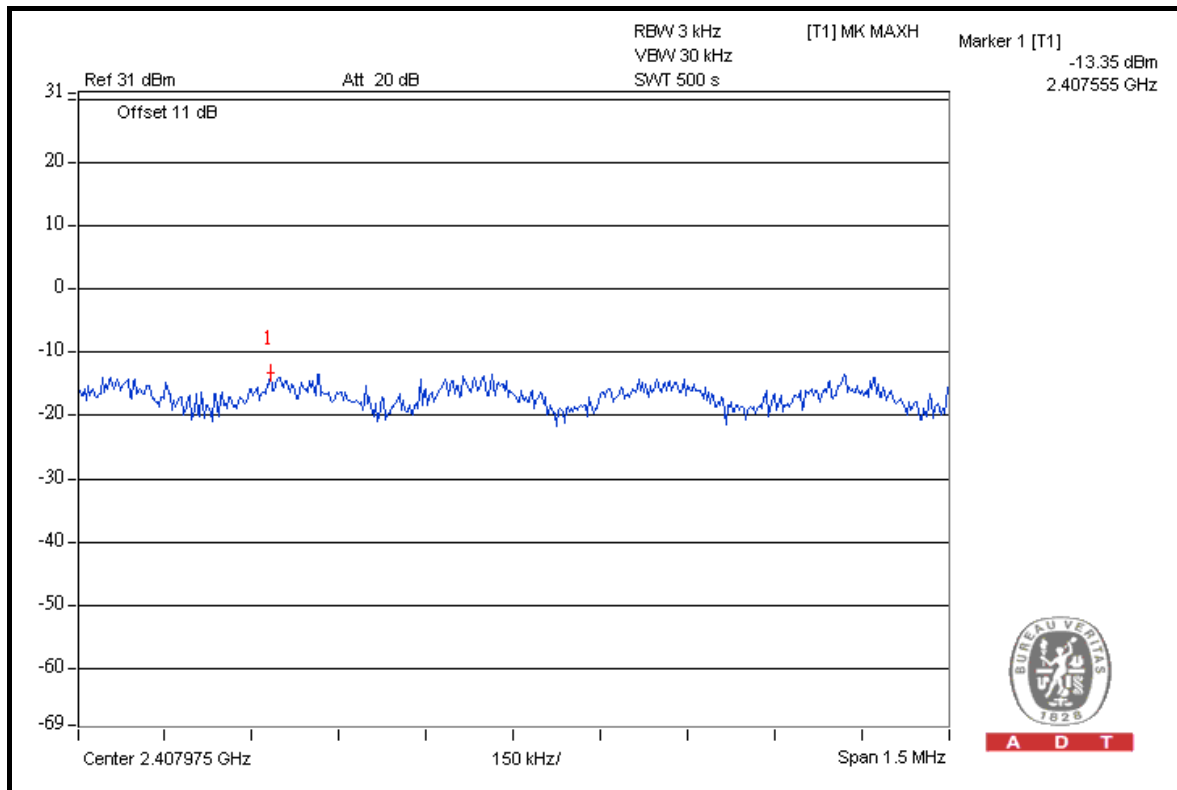
802.11g

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-14.9	-13.7	-13.4	-9.2	3.8	PASS
6	2437	-14.7	-13.5	-13.4	-9.0	3.8	PASS
11	2462	-14.5	-13.4	-13.8	-9.1	3.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the power spectral density shall be reduced to $8 - (10.18 - 6) = 3.8\text{dBm}$

FOR CHAIN 2: CH 1



A D T



A D T

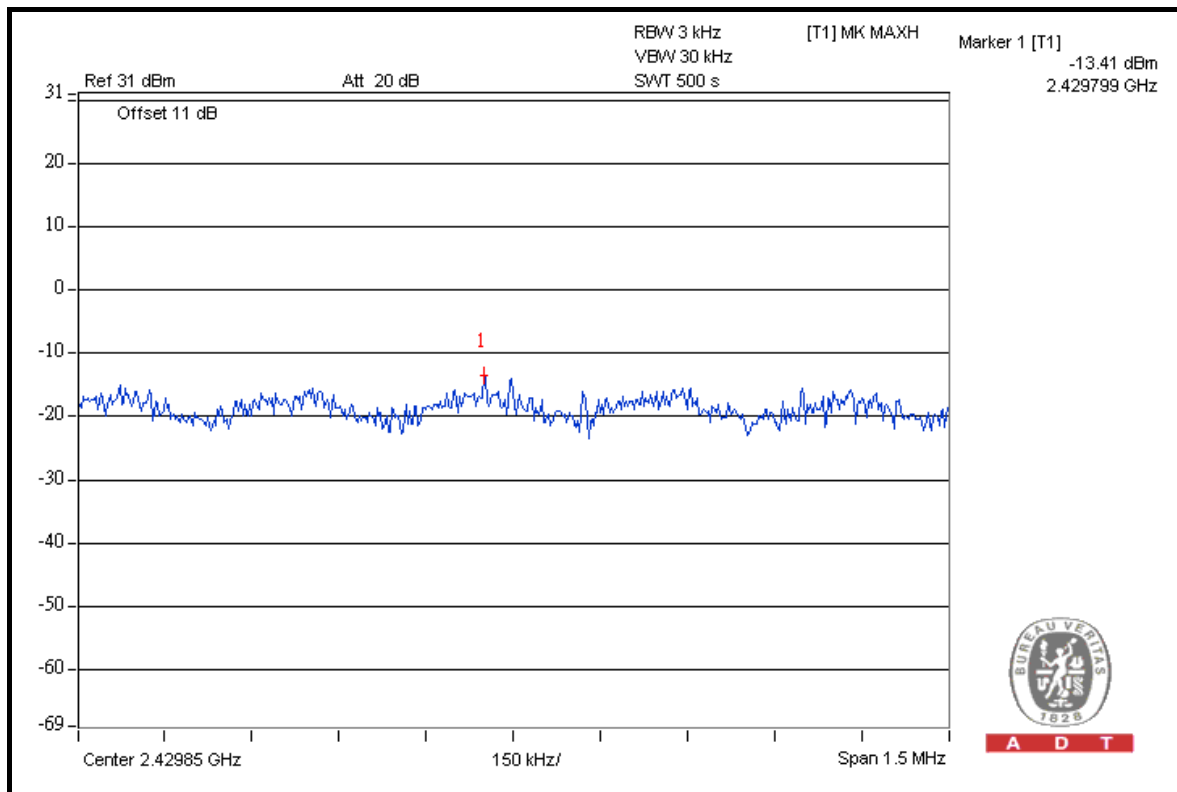
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-15.3	-14.7	-13.5	-9.7	3.8	PASS
6	2437	-14.9	-14.4	-13.4	-9.4	3.8	PASS
11	2462	-15.3	-14.7	-13.4	-9.7	3.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the power spectral density shall be reduced to $8 - (10.18 - 6) = 3.8\text{dBm}$

FOR CHAIN 2: CH 6



A D T



A D T

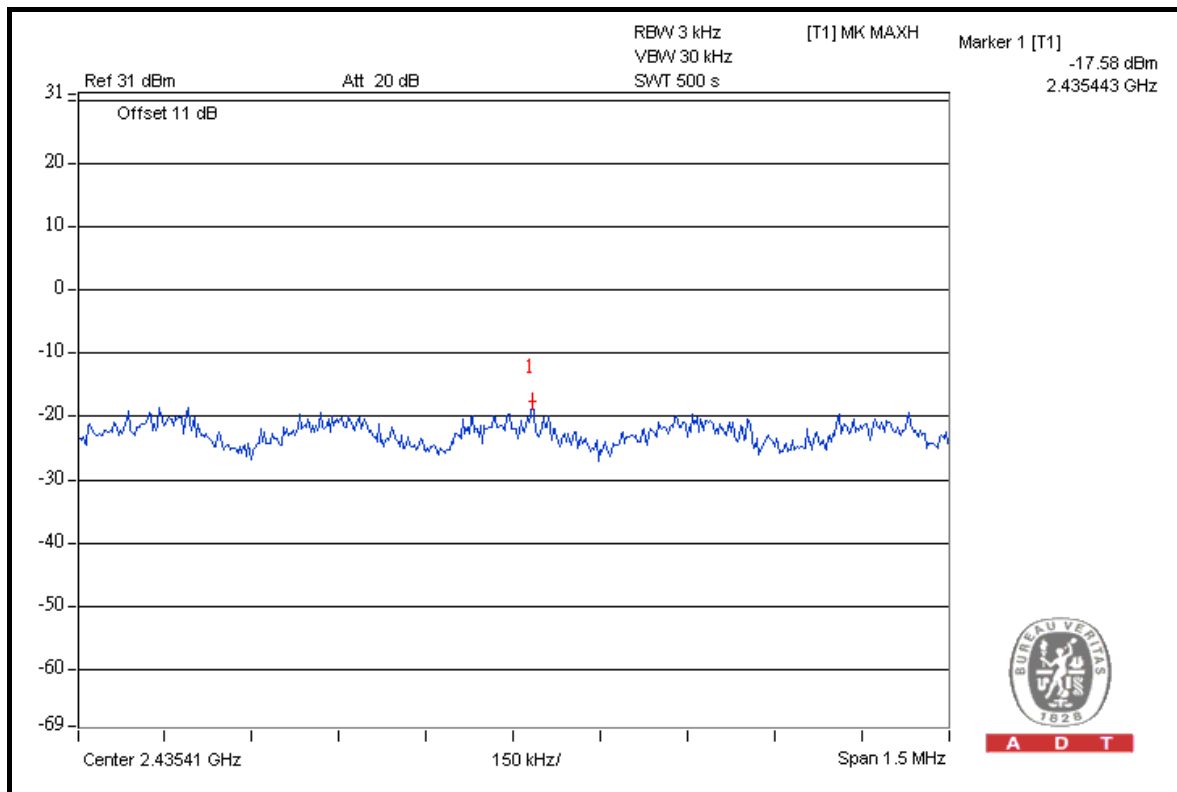
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2422	-17.9	-18.3	-18.4	-13.5	3.8	PASS
4	2437	-17.6	-18.2	-18.4	-13.3	3.8	PASS
7	2452	-17.7	-18.2	-18.8	-13.5	3.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the power spectral density shall be reduced to $8 - (10.18 - 6) = 3.8\text{dBm}$

FOR CHAIN 0: CH 4



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4.5.8 TEST RESULTS (TEST MODE A 2)

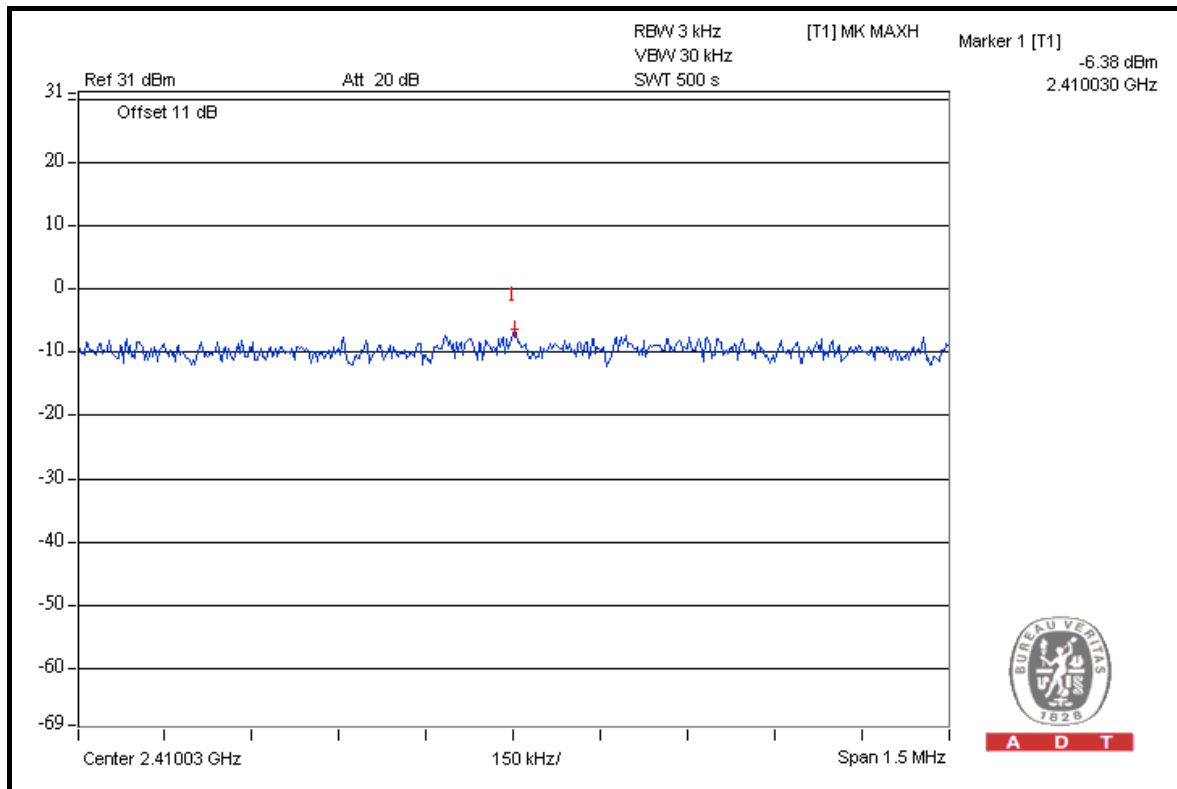
802.11b

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-6.8	-6.6	-6.4	-1.8	3.8	PASS
6	2437	-6.9	-6.5	-6.4	-1.8	3.8	PASS
11	2462	-7.7	-7.6	-6.8	-2.6	3.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the power spectral density shall be reduced to $8 - (10.18 - 6) = 3.8\text{dBm}$

FOR CHAIN 2: CH 1



A D T



A D T

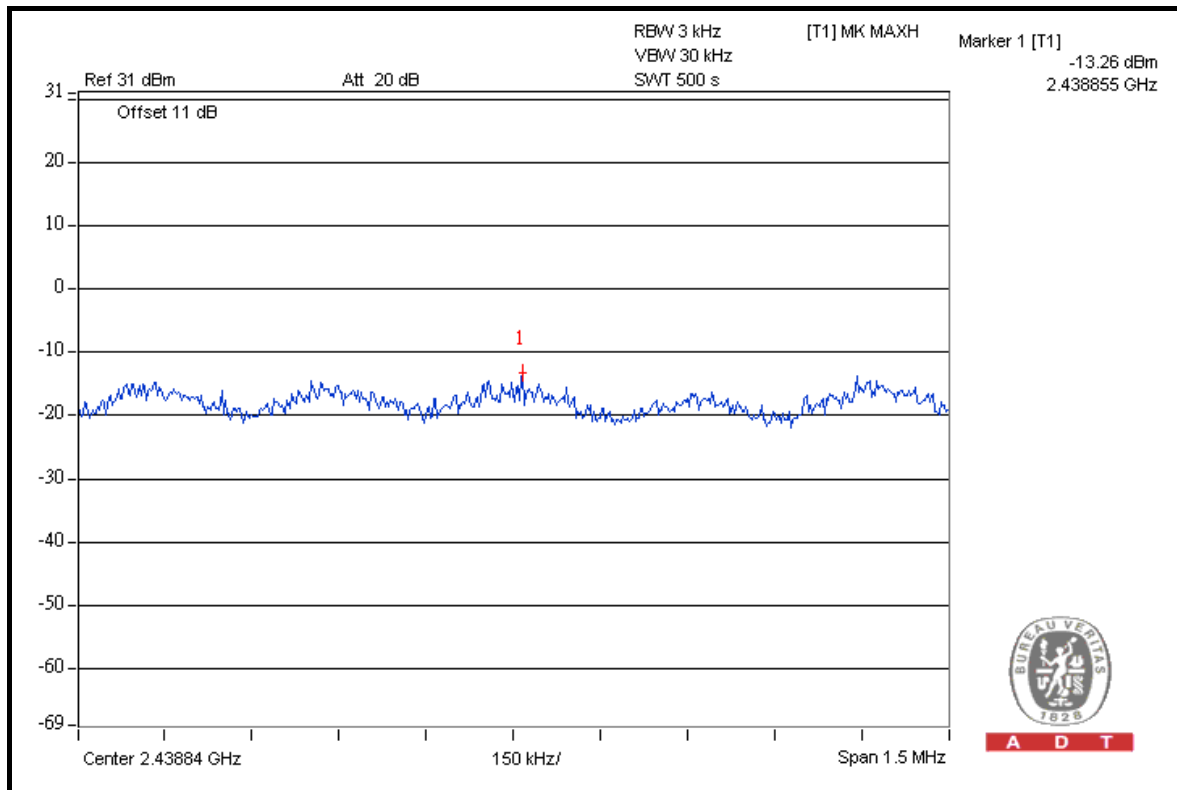
802.11g

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-14.8	-13.6	-13.3	-9.1	3.8	PASS
6	2437	-14.7	-13.3	-13.3	-9.0	3.8	PASS
11	2462	-14.6	-13.4	-13.4	-9.0	3.8	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain = $5.41\text{dBi} + 10\log(3) = 10.18\text{dBi} > 6\text{dBi}$, so the power spectral density shall be reduced to $8 - (10.18 - 6) = 3.8\text{dBm}$

FOR CHAIN 2: CH 6



A D T

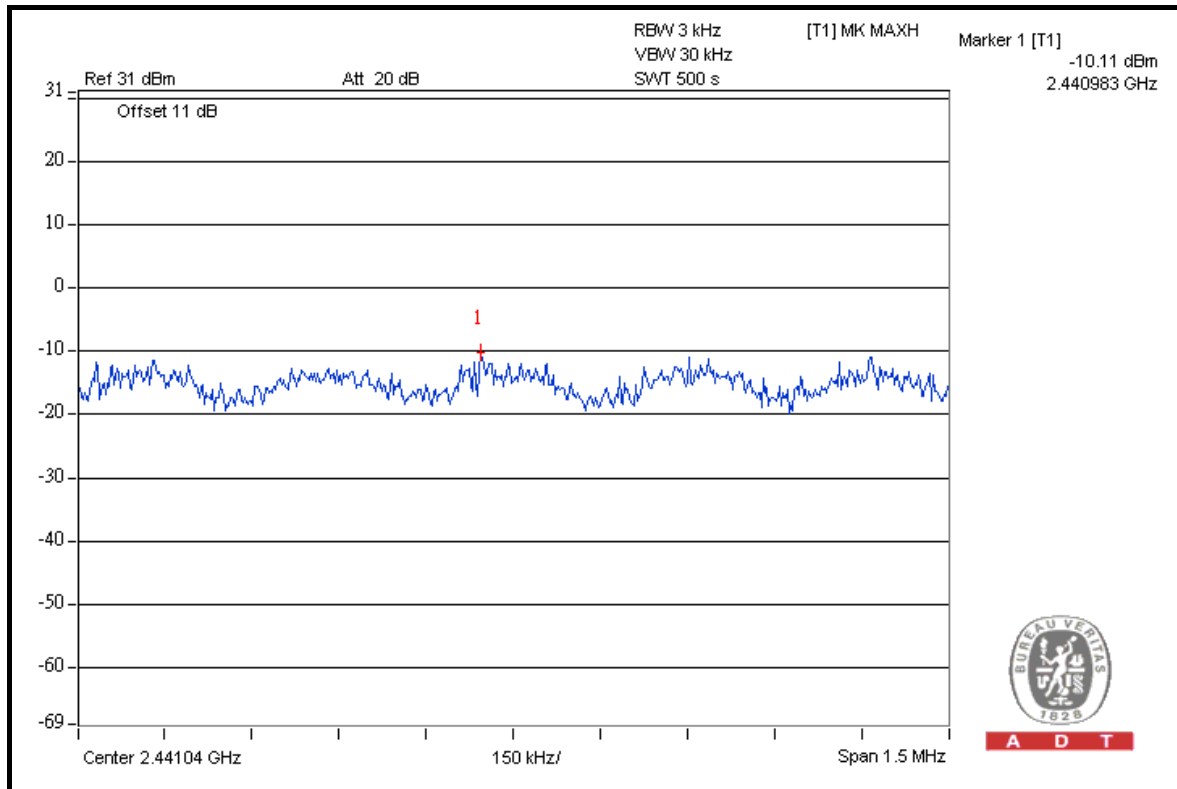


A D T

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-13.9	-13.7	-12.1	-8.4	8	PASS
6	2437	-11.4	-11.4	-10.1	-6.1	8	PASS
11	2462	-15.1	-14.5	-13.1	-9.4	8	PASS

FOR CHAIN 2: CH 6



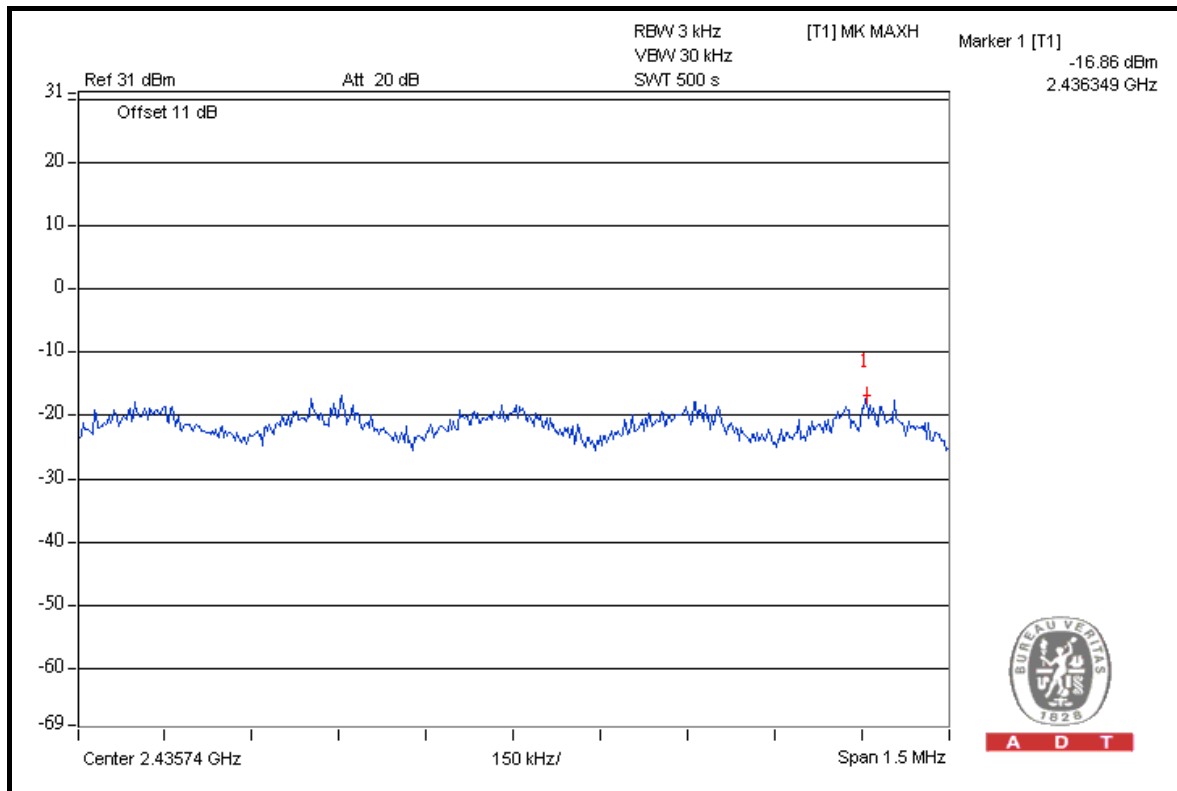


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802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2422	-17.9	-18.1	-18.2	-13.3	8	PASS
4	2437	-16.9	-17.2	-17.1	-12.3	8	PASS
7	2452	-18.3	-18.3	-18.4	-13.6	8	PASS

FOR CHAIN 0: CH 4



A D T



A D T

4.5.9 TEST RESULTS (TEST MODE B 1)

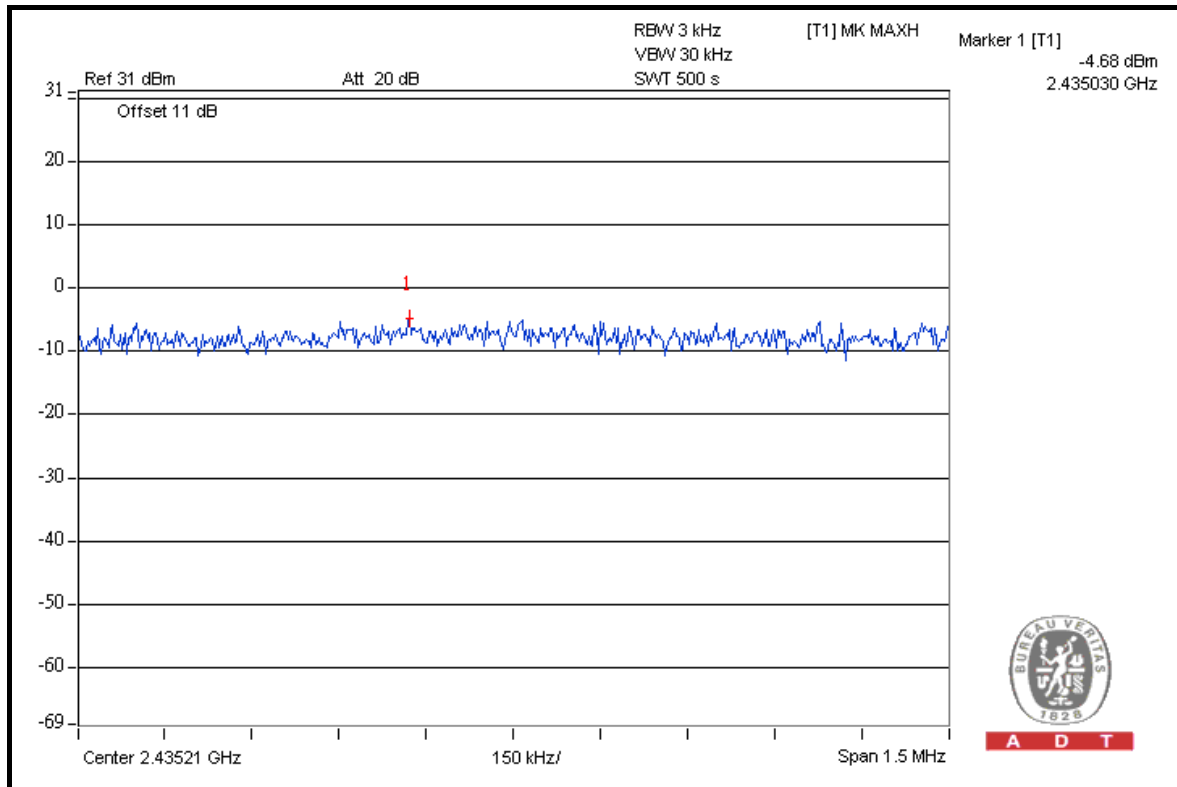
802.11b

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-8.8	-8.0	-8.1	-3.5	5.7	PASS
6	2437	-5.4	-4.7	-4.9	-0.2	5.7	PASS
11	2462	-10.6	-10.0	-9.7	-5.3	5.7	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = $8.0\text{dBi} + 10\log(3) = 12.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - \left[\frac{12.77-6}{3} \right] = 5.7\text{dBm}$

FOR CHAIN 1: CH 6



A D T



A D T

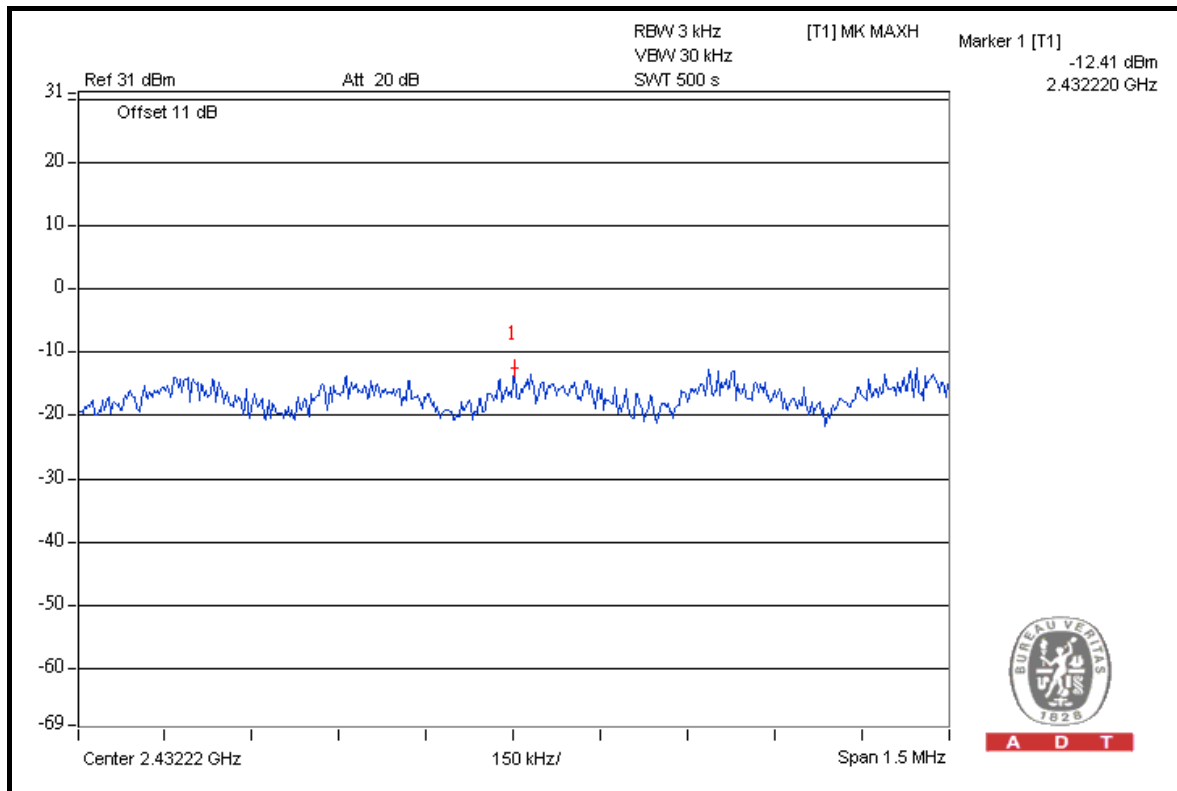
802.11g

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-13.6	-13.6	-13.5	-8.8	5.7	PASS
6	2437	-12.4	-12.7	-12.7	-7.9	5.7	PASS
11	2462	-13.7	-13.4	-13.7	-8.8	5.7	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = $8.0\text{dBi} + 10\log(3) = 12.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - \lceil (12.77-6)/3 \rceil = 5.7\text{dBm}$

FOR CHAIN 0: CH 6



A D T



A D T

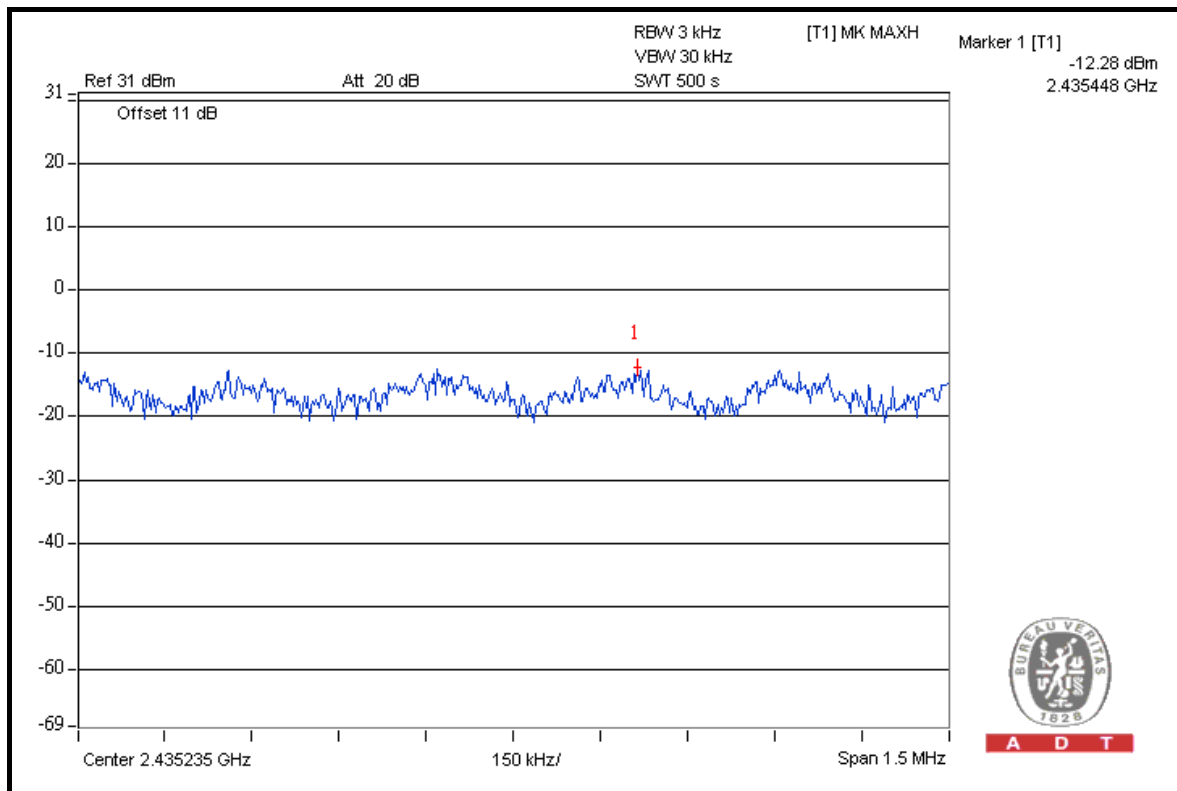
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-14.0	-13.8	-14.0	-9.1	5.7	PASS
6	2437	-12.4	-12.5	-12.3	-7.6	5.7	PASS
11	2462	-13.9	-13.8	-14.0	-9.1	5.7	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = $8.0\text{dBi} + 10\log(3) = 12.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - \lceil (12.77-6)/3 \rceil = 5.7\text{dBm}$

FOR CHAIN 2: CH 6



A D T



A D T

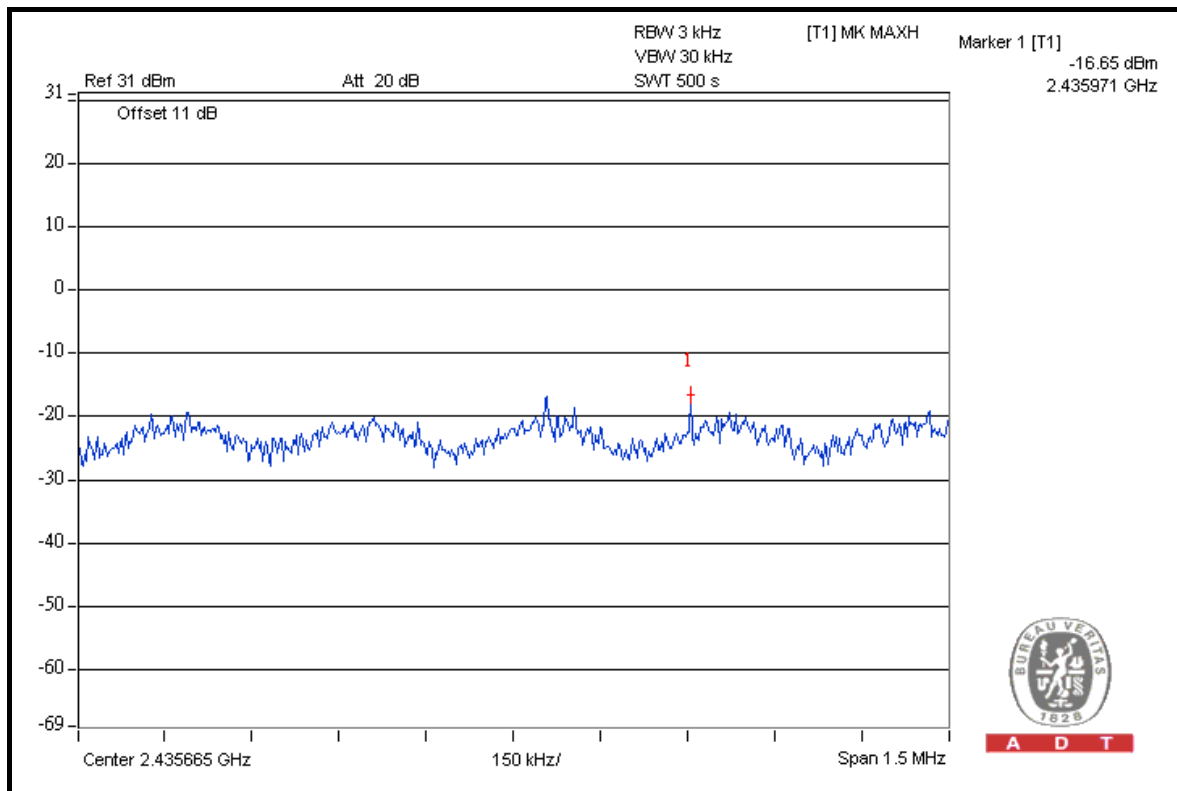
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2422	-18.3	-18.8	-18.8	-13.8	5.7	PASS
4	2437	-16.7	-17.3	-17.2	-12.3	5.7	PASS
7	2452	-18.7	-18.8	-19.1	-14.1	5.7	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = $8.0\text{dBi} + 10\log(3) = 12.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - \lceil (12.77-6)/3 \rceil = 5.7\text{dBm}$

FOR CHAIN 0: CH 4



A D T



A D T

4.5.10 TEST RESULTS (TEST MODE B 2)

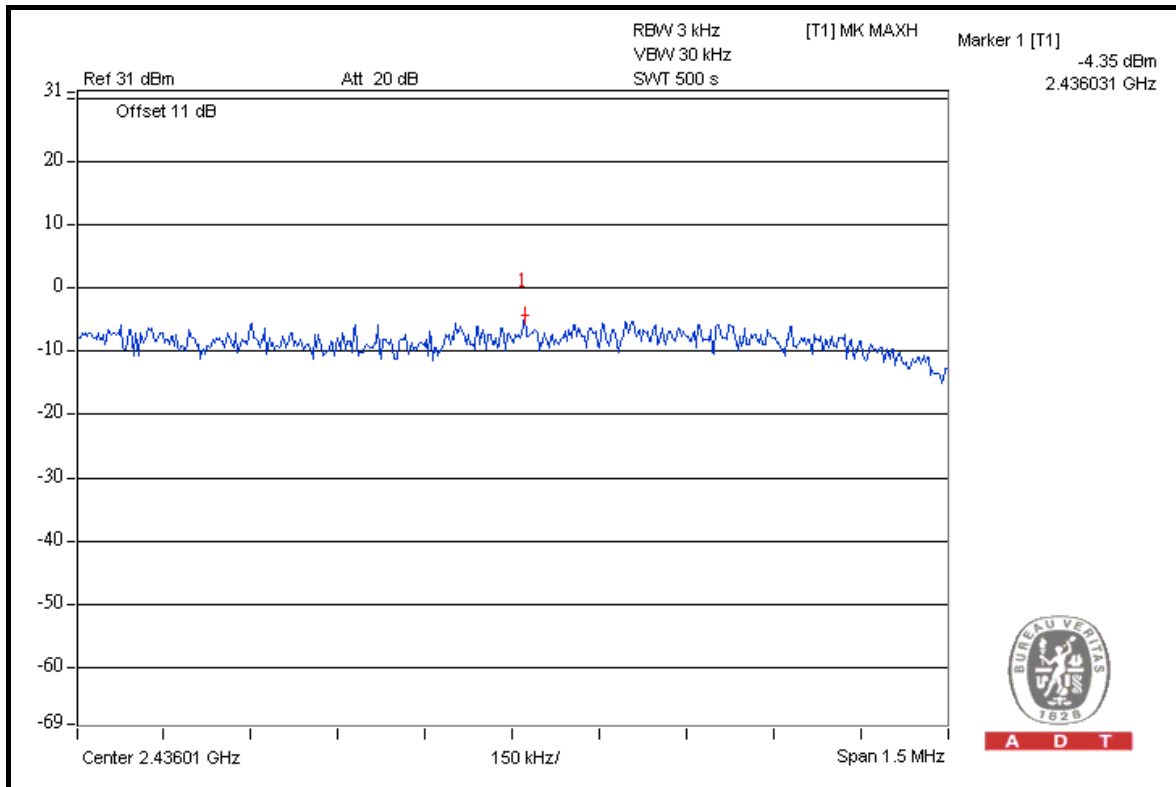
802.11b

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-8.5	-7.9	-8.0	-3.4	5.7	PASS
6	2437	-4.9	-4.4	-4.7	0.1	5.7	PASS
11	2462	-10.1	-9.7	-9.5	-5.0	5.7	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = $8.0\text{dBi} + 10\log(3) = 12.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - [(12.77-6)/3] = 5.7\text{dBm}$

FOR CHAIN 1: CH 6



A D T



A D T

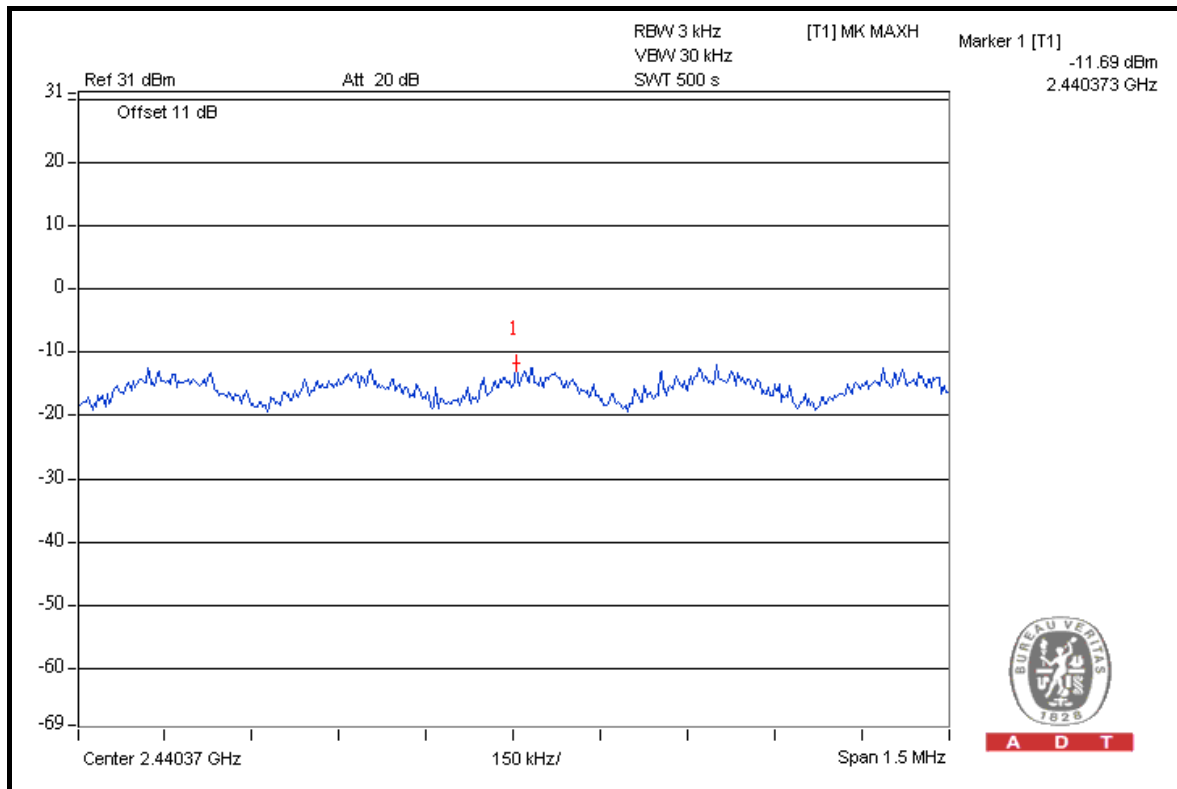
802.11g

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-12.9	-13.4	-13.5	-8.5	5.7	PASS
6	2437	-11.7	-12.8	-13.0	-7.7	5.7	PASS
11	2462	-12.8	-13.0	-13.6	-8.3	5.7	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. Directional gain = $8.0\text{dBi} + 10\log(3) = 12.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - \left[\frac{(12.77-6)}{3} \right] = 5.7\text{dBm}$

FOR CHAIN 0: CH 6





A D T

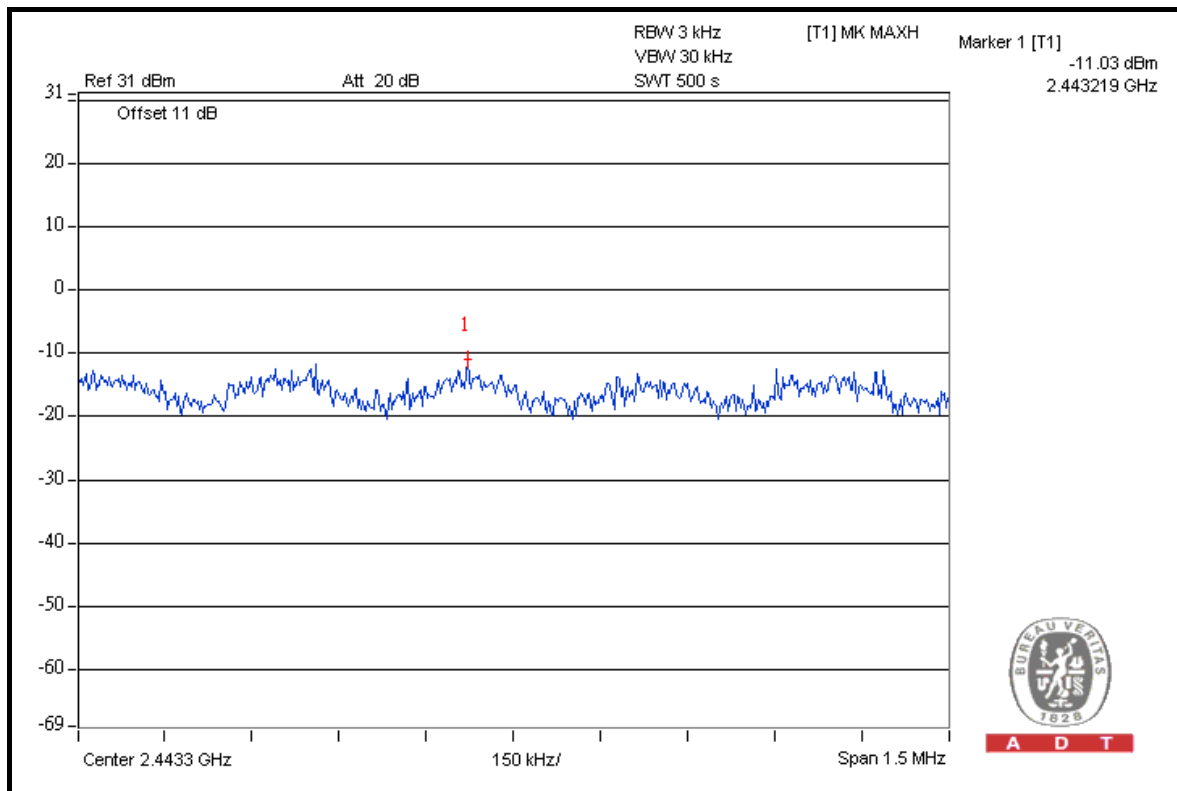
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-13.9	-13.7	-14.0	-9.1	7.3	PASS
6	2437	-11.0	-11.4	-11.6	-6.6	7.3	PASS
11	2462	-14.0	-13.6	-14.1	-9.1	7.3	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. The antenna gain 8dBi is higher than 6dBi, so the power spectral density limit shall be reduced to $8 \left[\frac{8-6}{3} \right] = 7.3\text{dBm}$

FOR CHAIN 0: CH 6





A D T

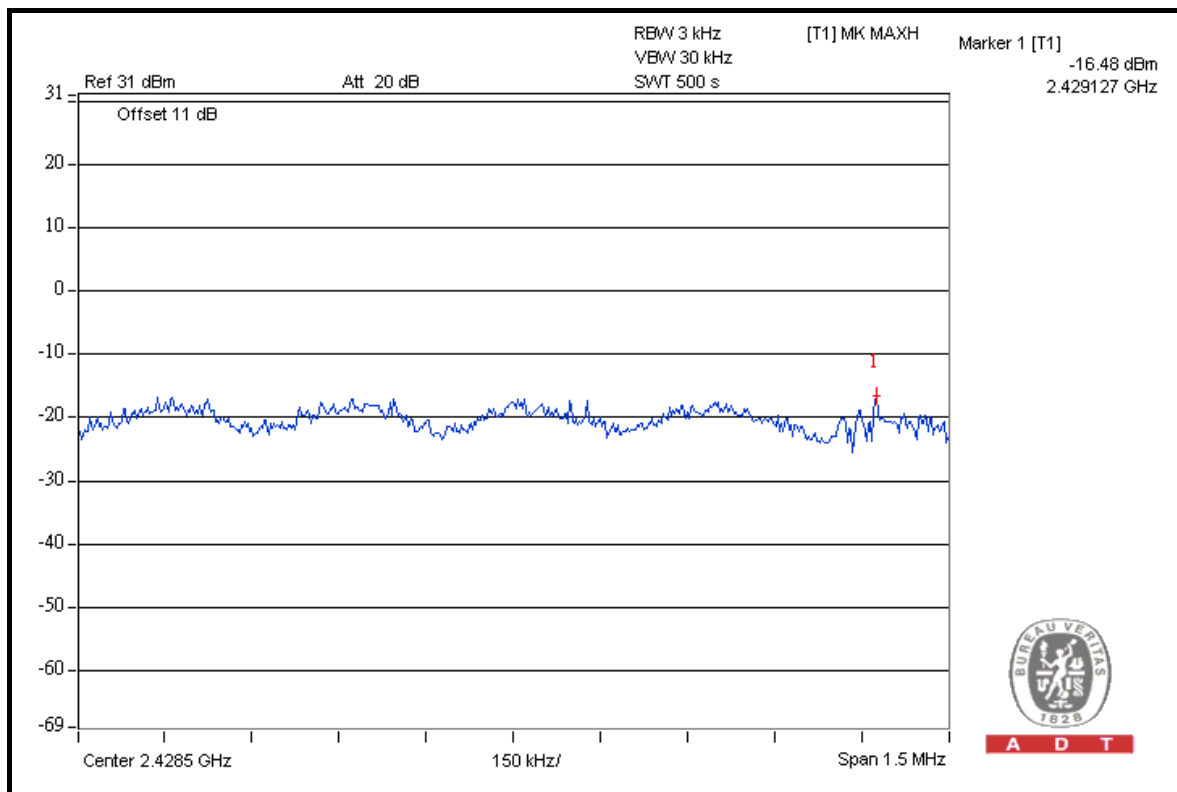
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2422	-18.3	-18.6	-18.6	-13.7	7.3	PASS
4	2437	-16.5	-16.8	-16.9	-12.0	7.3	PASS
7	2452	-18.6	-18.6	-18.7	-13.8	7.3	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
2. The antenna gain 8dBi is higher than 6dBi, so the power spectral density limit shall be reduced to $8 \left[\frac{8-6}{3} \right] = 7.3\text{dBm}$

FOR CHAIN 0: CH 4



A D T



A D T

4.5.11 TEST RESULTS (TEST MODE C 1)

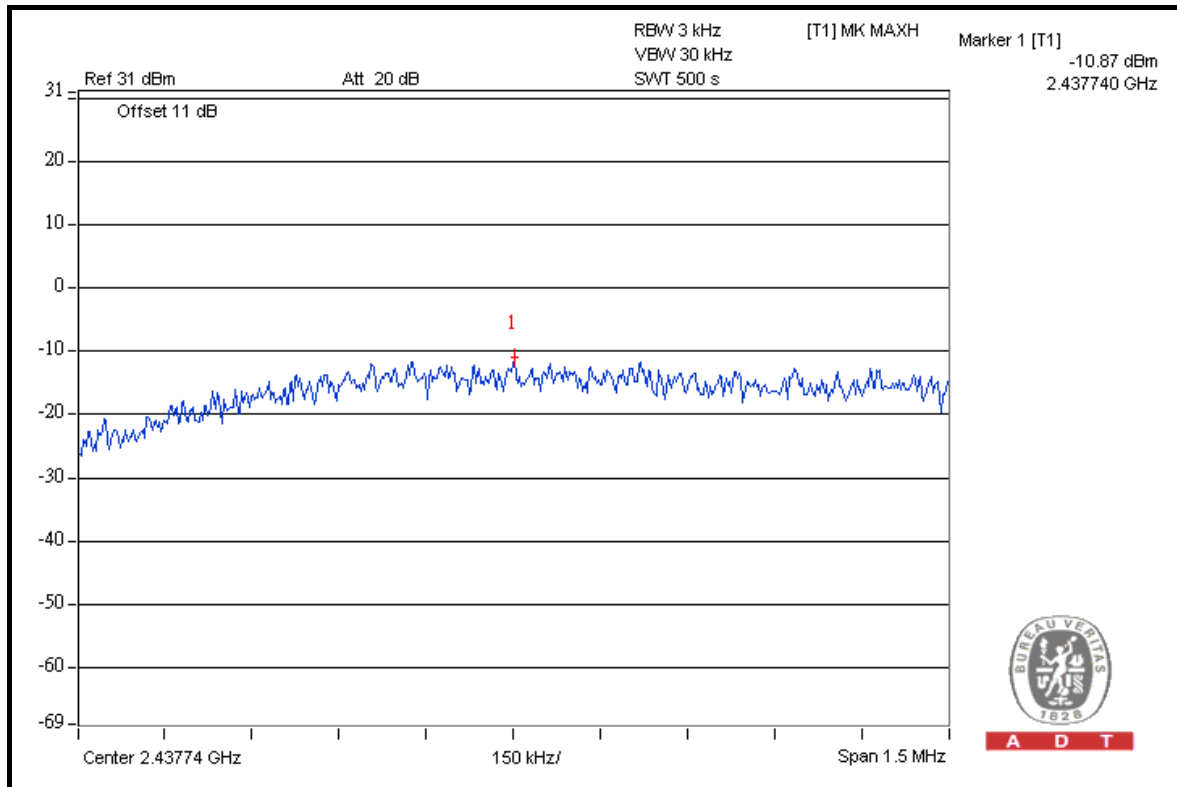
802.11b

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-11.8	-12.3	-12.2	-7.3	4.8	PASS
6	2437	-11.0	-10.9	-11.1	-6.2	4.8	PASS
11	2462	-11.8	-12.3	-12.5	-7.4	4.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = 10.9dBi + 10log(3)=15.67dBi > 6dBi, so the power spectral density limit shall be reduced to $8 - \lceil (15.67-6)/3 \rceil = 4.8\text{dBm}$

FOR CHAIN 1: CH 6



A D T



A D T

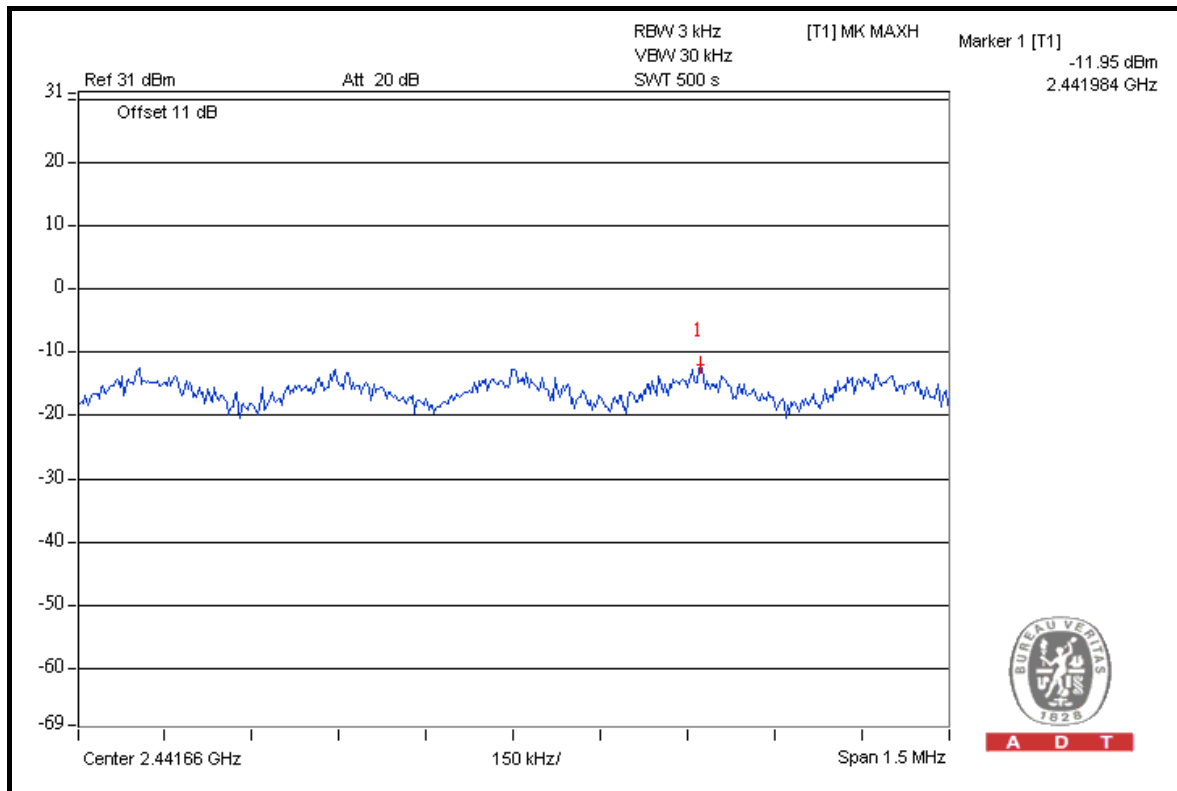
802.11g

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-13.4	-14.9	-12.6	-8.7	4.8	PASS
6	2437	-12.8	-13.4	-12.0	-7.9	4.8	PASS
11	2462	-14.0	-15.1	-13.1	-9.2	4.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = $10.9\text{dBi} + 10\log(3) = 15.67\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - \lceil (15.67 - 6) / 3 \rceil = 4.8\text{dBm}$

FOR CHAIN 2: CH 6



A D T



A D T

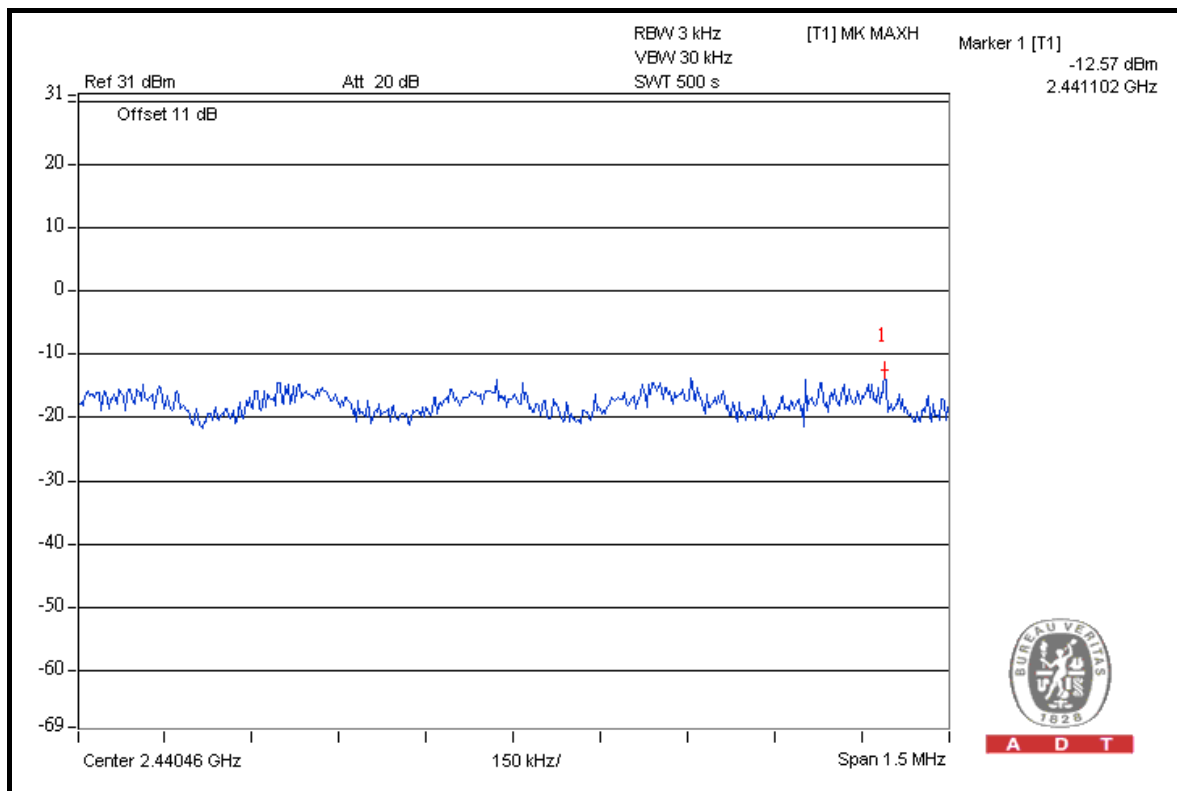
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-15.2	-15.6	-15.0	-10.5	4.8	PASS
6	2437	-12.6	-12.8	-13.1	-8.0	4.8	PASS
11	2462	-16.9	-15.7	-15.7	-11.3	4.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = $10.9\text{dBi} + 10\log(3) = 15.67\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - \left[\frac{15.67 - 6}{3} \right] = 4.8\text{dBm}$

FOR CHAIN 0: CH 6



A D T



A D T

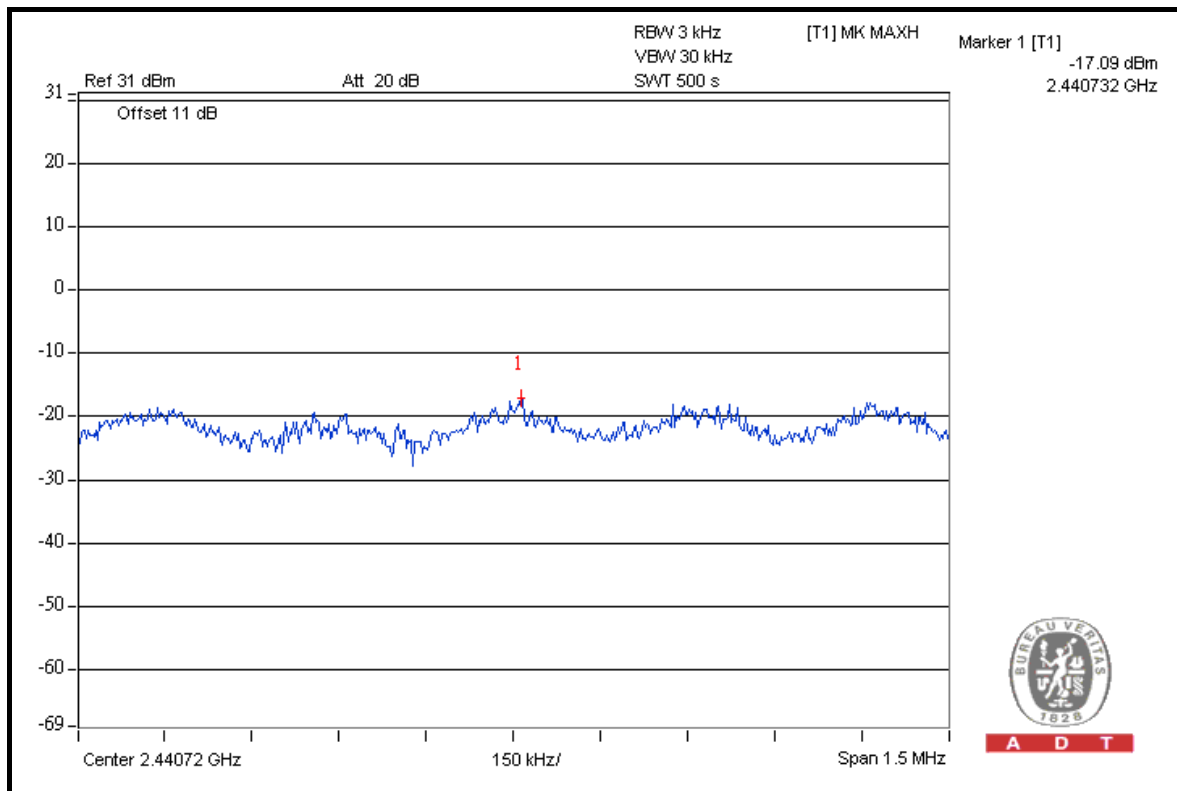
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2422	-20.5	-21.5	-22.1	-16.6	4.8	PASS
4	2437	-17.1	-18.6	-18.7	-13.3	4.8	PASS
7	2452	-22.0	-23.6	-23.8	-18.2	4.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = $10.9\text{dBi} + 10\log(3) = 15.67\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - \left[\frac{15.67-6}{3} \right] = 4.8\text{dBm}$

FOR CHAIN 0: CH 4



A D T



A D T

4.5.12 TEST RESULTS (TEST MODE C 2)

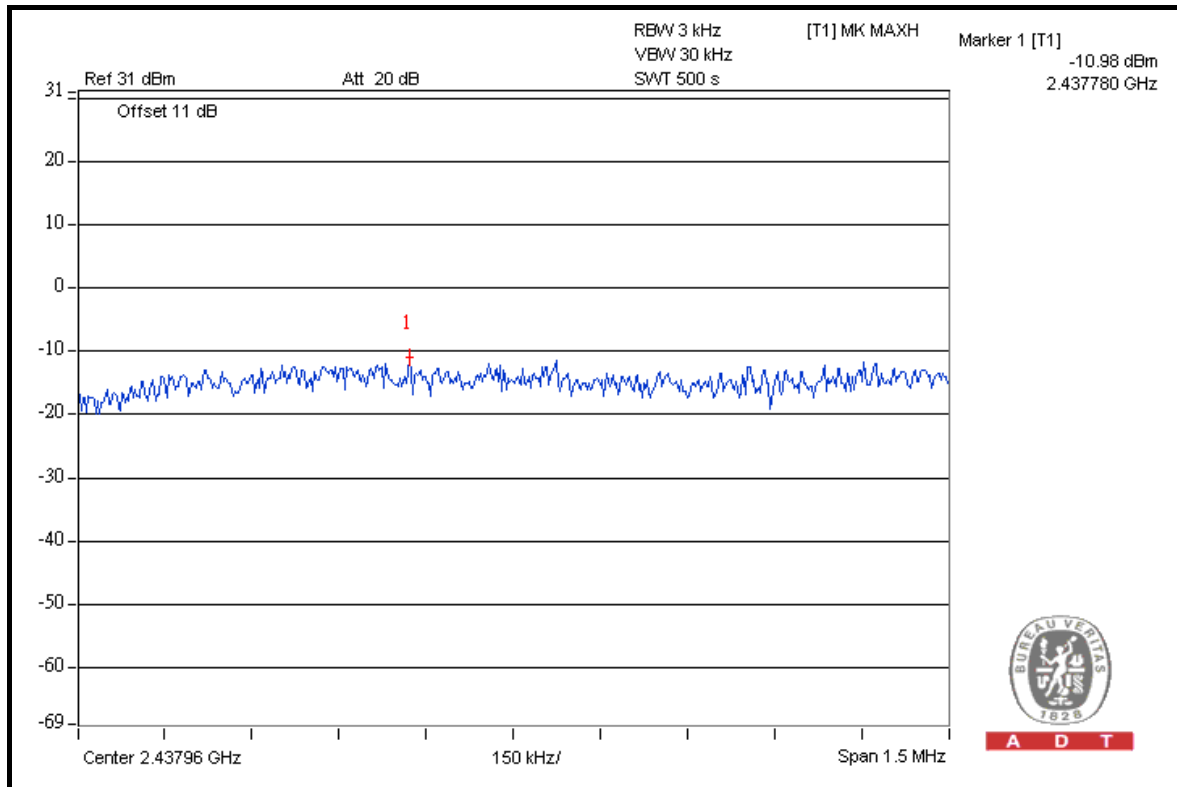
802.11b

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-12.5	-12.9	-12.0	-7.7	4.8	PASS
6	2437	-11.9	-11.5	-11.0	-6.7	4.8	PASS
11	2462	-12.5	-12.9	-11.8	-7.6	4.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = 10.9dBi + 10log(3) = 15.67dBi > 6dBi, so the power spectral density limit shall be reduced to $8 - \lceil (15.67-6)/3 \rceil = 4.8\text{dBm}$

FOR CHAIN 2: CH 6



A D T



A D T

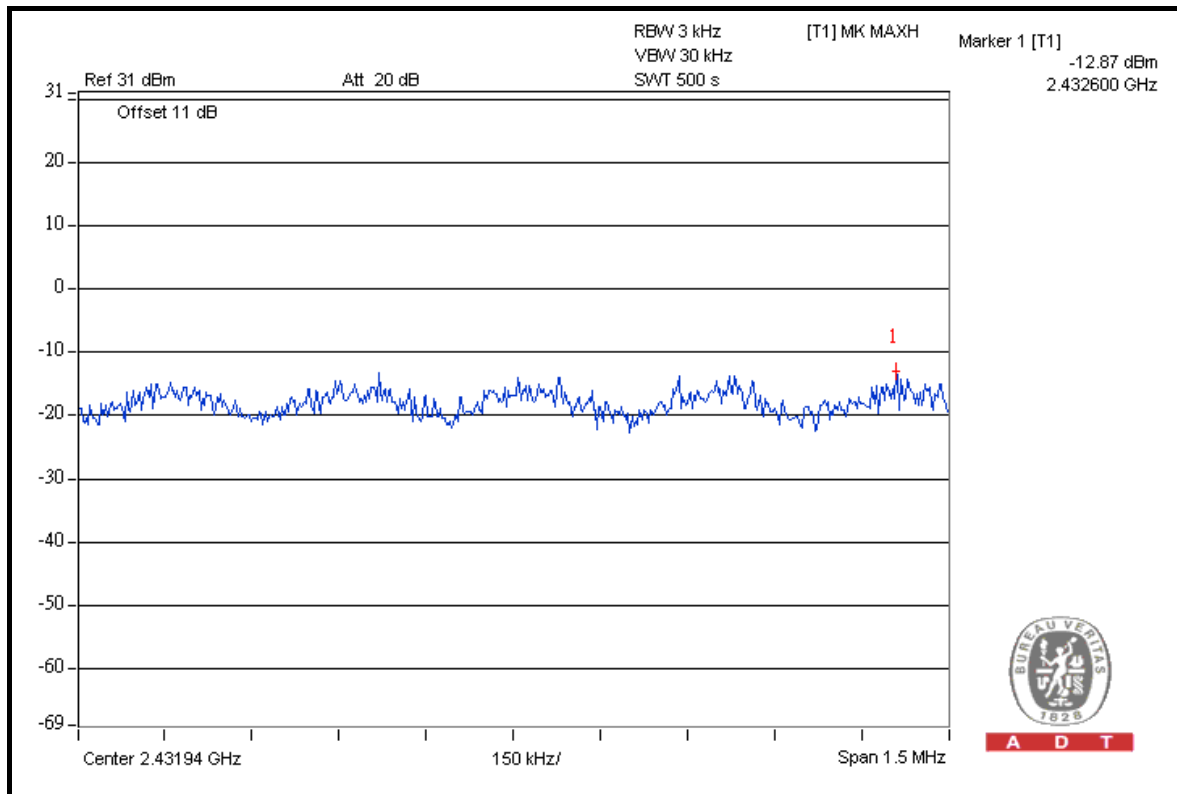
802.11g

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-14.8	-15.1	-13.6	-9.7	4.8	PASS
6	2437	-14.3	-13.4	-12.9	-8.7	4.8	PASS
11	2462	-15.5	-15.4	-14.0	-10.2	4.8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. Directional gain = 10.9dBi + 10log(3) = 15.67dBi > 6dBi, so the power spectral density limit shall be reduced to $8 - \left[\frac{15.67-6}{3} \right] = 4.8\text{dBm}$

FOR CHAIN 2: CH 6



A D T



A D T

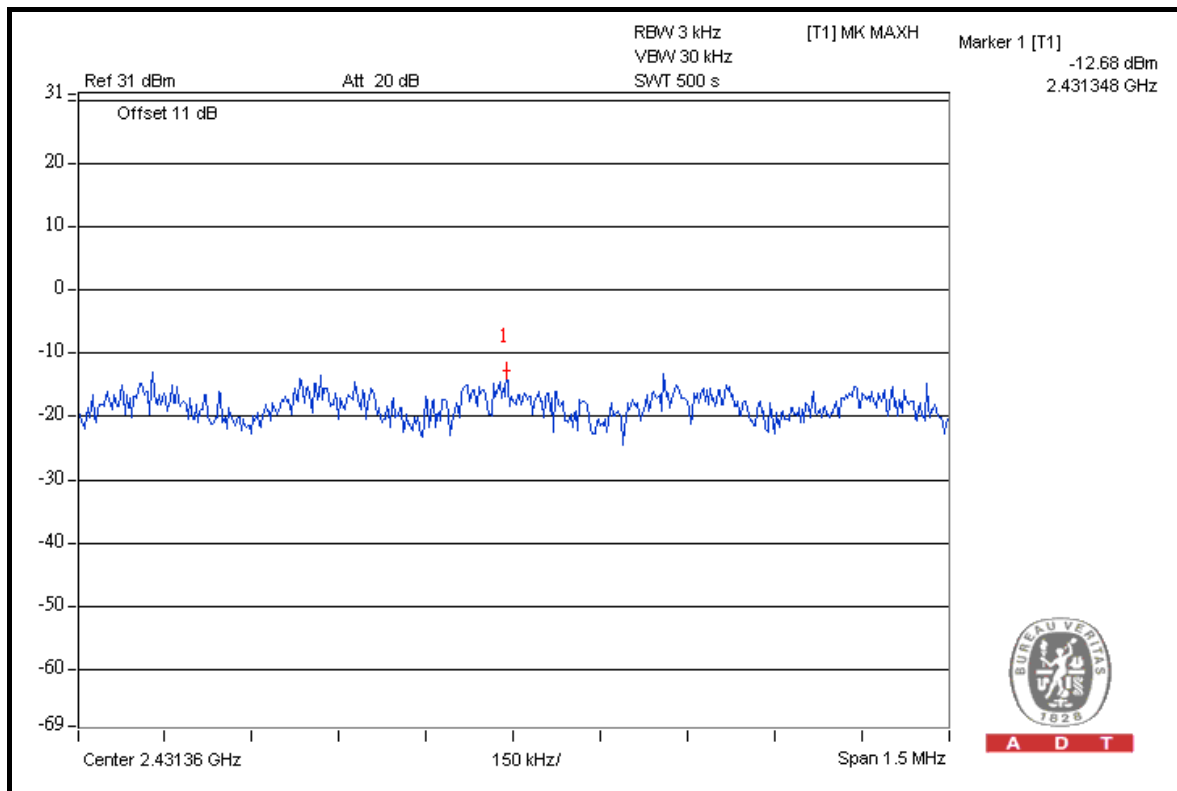
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-17.0	-15.4	-14.9	-10.9	6.4	PASS
6	2437	-14.3	-12.7	-13.1	-8.5	6.4	PASS
11	2462	-18.7	-15.9	-15.4	-11.7	6.4	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. The antenna gain 10.9dBi is higher than 6dBi, so the power spectral density limit shall be reduced to $8 - \left[\frac{10.9-6}{3} \right] = 6.4 \text{ dBm}$

FOR CHAIN 1: CH 6



A D T



A D T

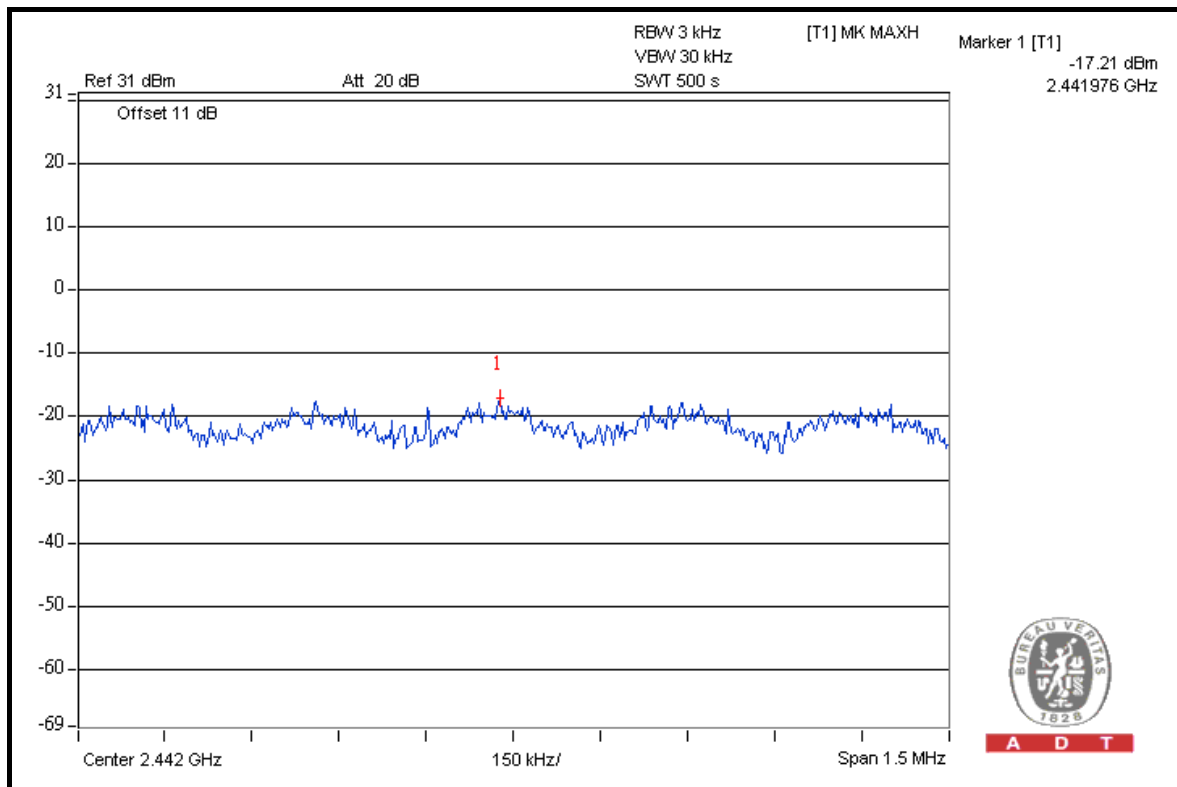
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2422	-20.7	-22.0	-21.9	-16.8	6.4	PASS
4	2437	-17.2	-19.0	-18.3	-13.4	6.4	PASS
7	2452	-22.0	-23.9	-23.7	-18.2	6.4	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
2. The antenna gain 10.9dBi is higher than 6dBi, so the power spectral density limit shall be reduced to $8 - \left[\frac{10.9-6}{3} \right] = 6.4\text{dBm}$

FOR CHAIN 0: CH 4





A D T

4.5.13 TEST RESULTS (TEST MODE D 1)

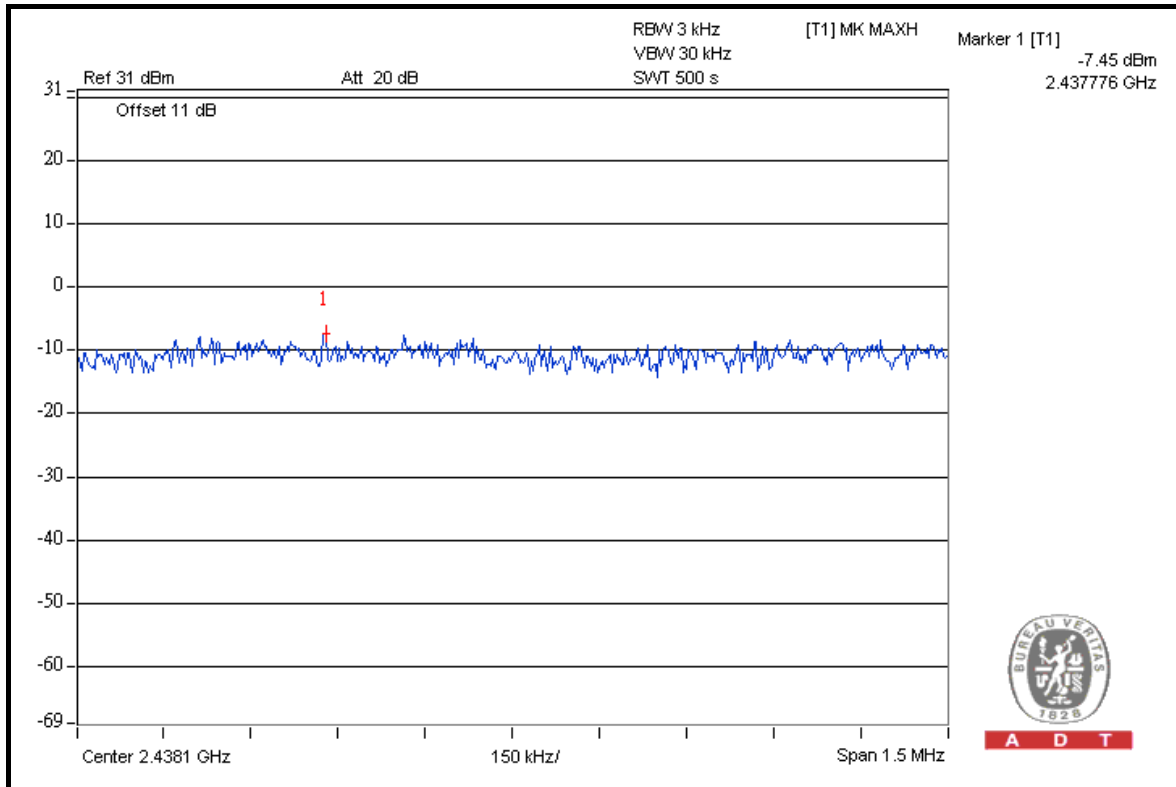
802.11b

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-10.3	-9.9	-9.8	-5.2	6.2	PASS
6	2437	-8.0	-7.5	-8.1	-3.1	6.2	PASS
11	2462	-9.0	-8.5	-9.6	-4.3	6.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = 3dBi + 10log(3) = 7.77dBi > 6dBi, so the power spectral density limit shall be reduced to 8-(7.77-6) = 6.2dBm

FOR CHAIN 1: CH 6



A D T



A D T

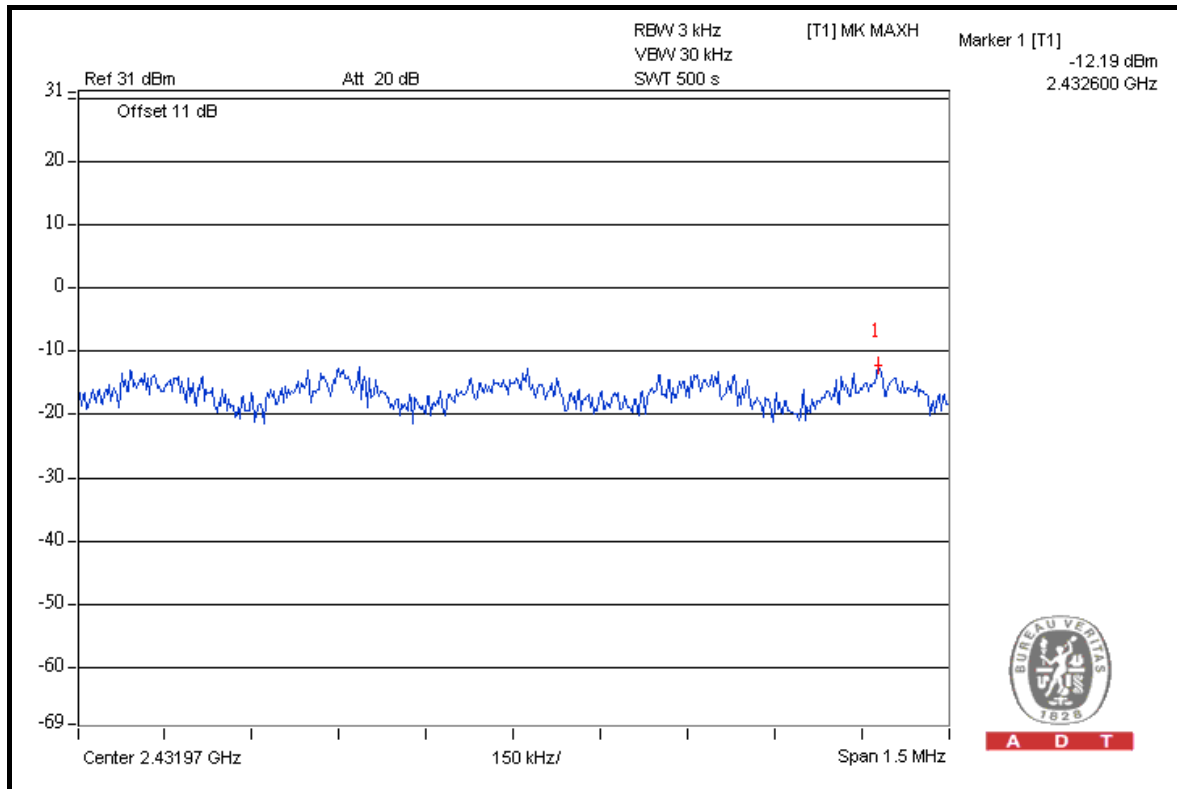
802.11g

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-12.5	-13.0	-13.2	-8.1	6.2	PASS
6	2437	-12.2	-12.7	-13.2	-7.9	6.2	PASS
11	2462	-12.5	-13.1	-13.5	-8.3	6.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - (7.77 - 6) = 6.2\text{dBm}$

FOR CHAIN 0: CH 6



A D T



A D T

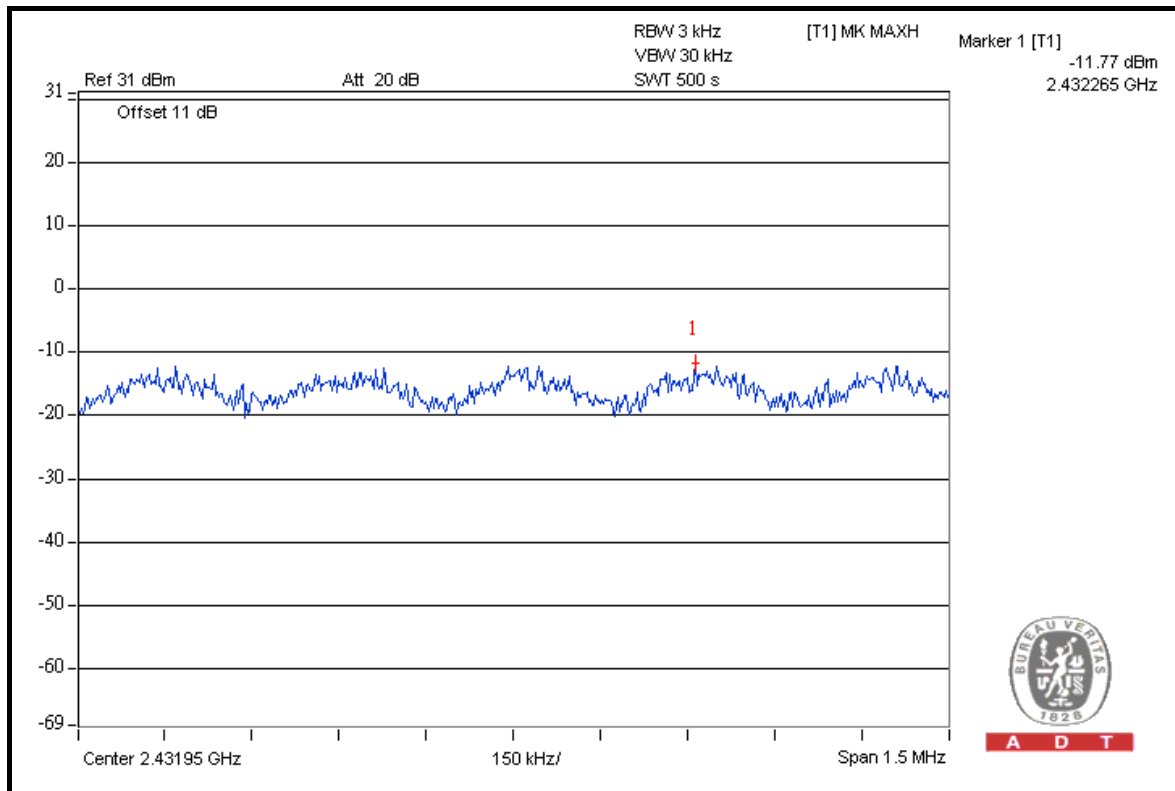
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-12.1	-11.8	-11.9	-7.2	6.2	PASS
6	2437	-12.1	-11.8	-11.8	-7.1	6.2	PASS
11	2462	-15.0	-14.8	-14.7	-10.0	6.2	PASS

NOTE:

- 1. Antenna 4 (Model: J9171A) is not used for point to point operation.
- 2. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - (7.77 - 6) = 6.2\text{dBm}$

FOR CHAIN 2: CH 6





A D T

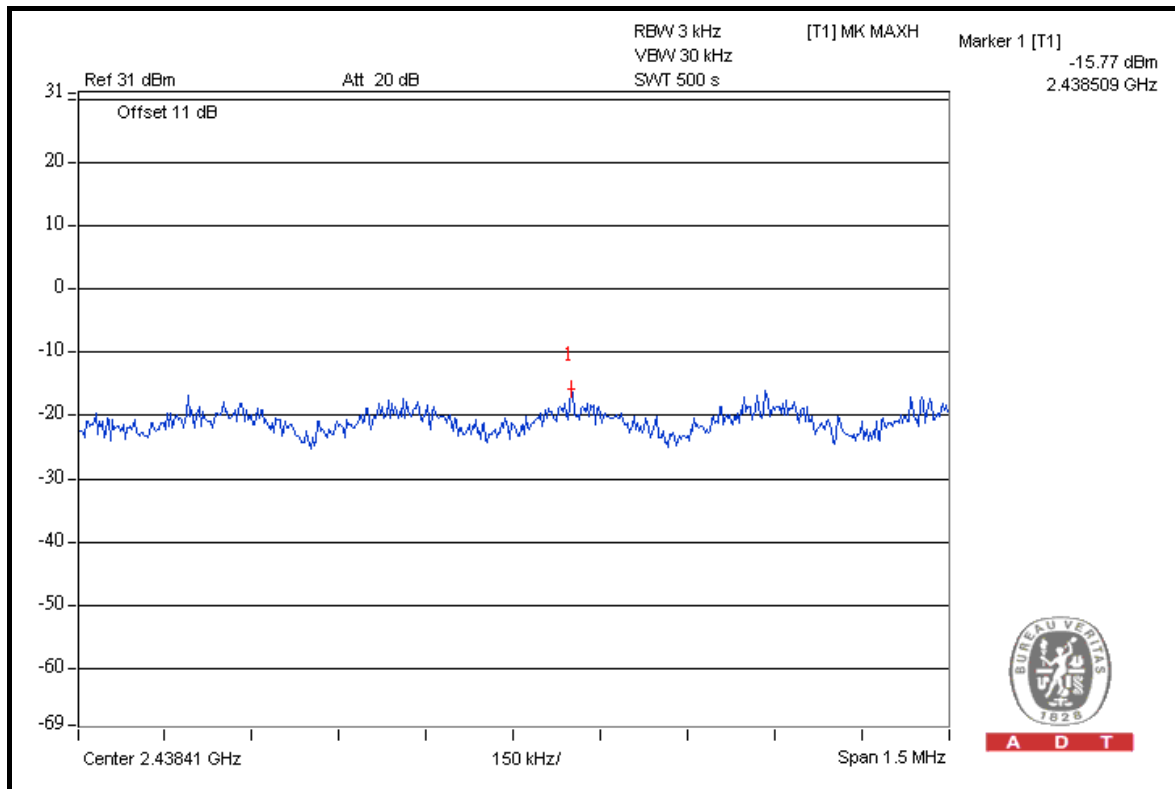
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2422	-17.9	-18.1	-17.9	-13.2	6.2	PASS
4	2437	-15.8	-16.0	-16.1	-11.2	6.2	PASS
7	2452	-18.5	-18.6	-18.8	-13.8	6.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = $3\text{dBi} + 10\log(3) = 7.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - (7.77 - 6) = 6.2\text{dBm}$

FOR CHAIN 0: CH 4



A D T



A D T

4.5.14 TEST RESULTS (TEST MODE D 2)

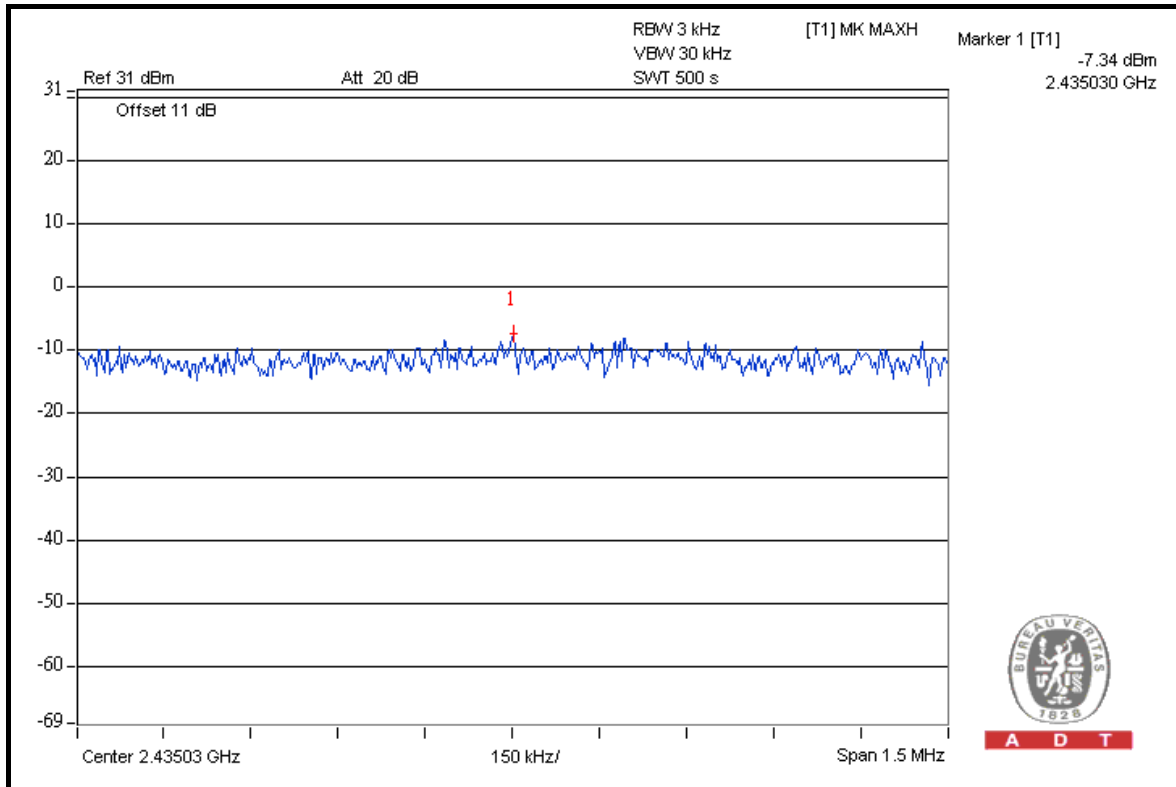
802.11b

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-10.1	-9.8	-9.5	-5.0	6.2	PASS
6	2437	-7.62	-7.5	-7.3	-2.7	6.2	PASS
11	2462	-8.7	-8.3	-8.6	-3.8	6.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = 3dBi + 10log(3) = 7.77dBi > 6dBi, so the power spectral density limit shall be reduced to 8-(7.77-6) = 6.2dBm

FOR CHAIN 2: CH 6





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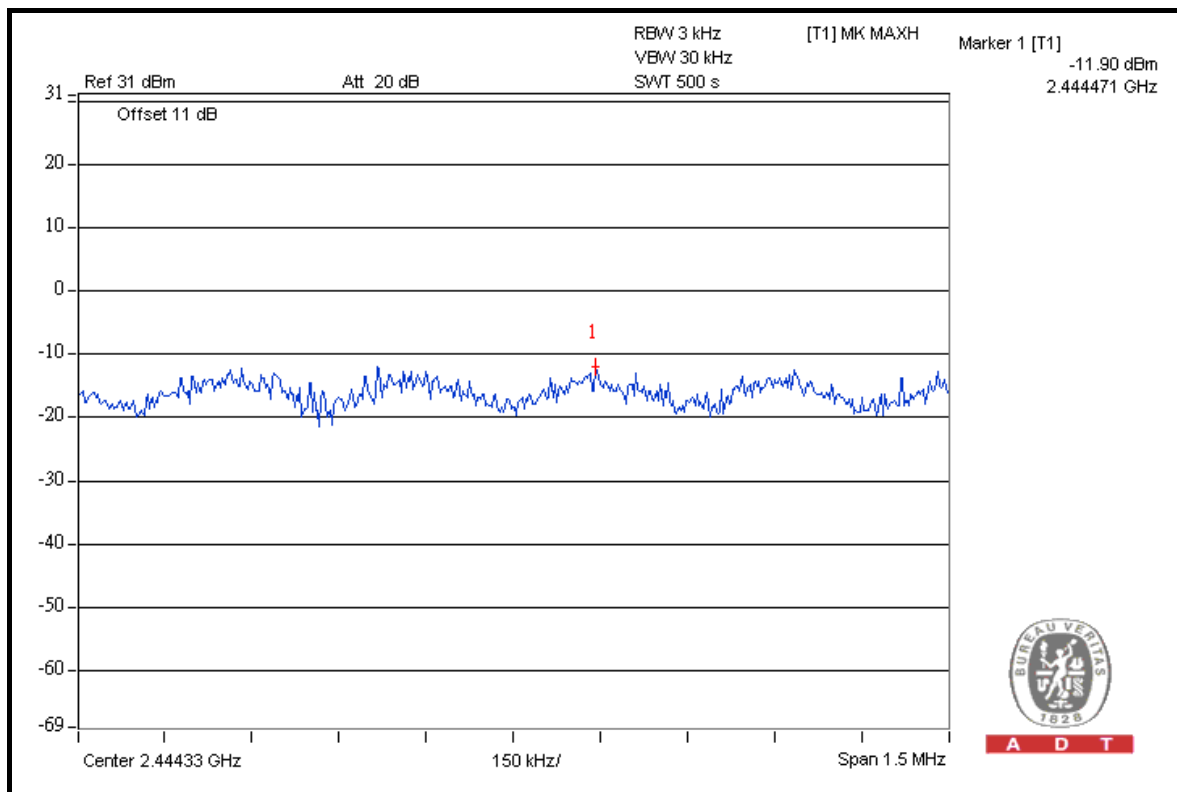
802.11g

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-12.3	-12.9	-13.1	-8.0	6.2	PASS
6	2437	-11.9	-12.7	-13.1	-7.8	6.2	PASS
11	2462	-12.4	-13.1	-13.3	-8.2	6.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain = 3dBi + 10log(3)=7.77dBi > 6dBi, so the power spectral density limit shall be reduced to 8-(7.77-6)=6.2dBm

FOR CHAIN 0: CH 6



A D T

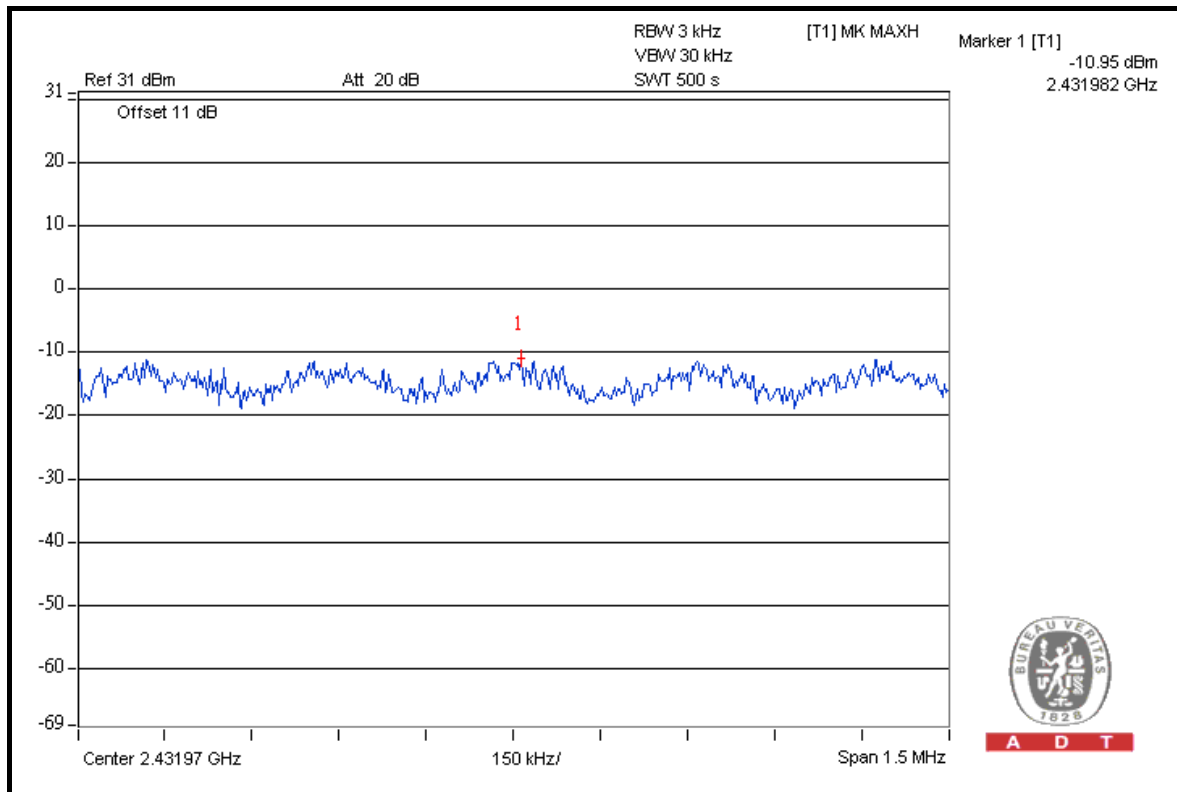


A D T

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-11.8	-11.6	-11.7	-7.0	8	PASS
6	2437	-11.0	-11.4	-11.7	-6.6	8	PASS
11	2462	-14.8	-14.6	-14.6	-9.9	8	PASS

FOR CHAIN 0: CH 6



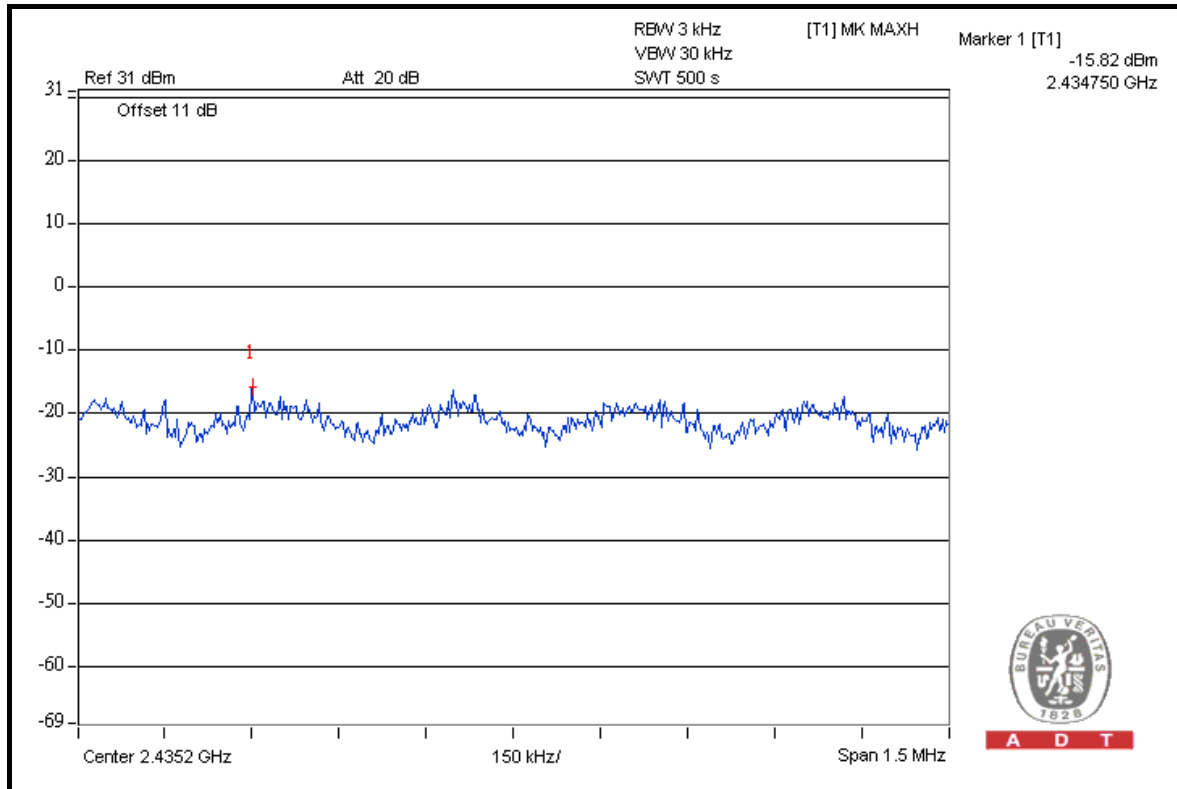


A D T

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2422	-17.7	-18.0	-17.9	-13.1	8	PASS
4	2437	-15.8	-16.0	-16.2	-11.2	8	PASS
7	2452	-18.1	-18.5	-18.4	-13.6	8	PASS

FOR CHAIN 0: CH 4





A D T

4.5.15 TEST RESULTS (TEST MODE E 1)

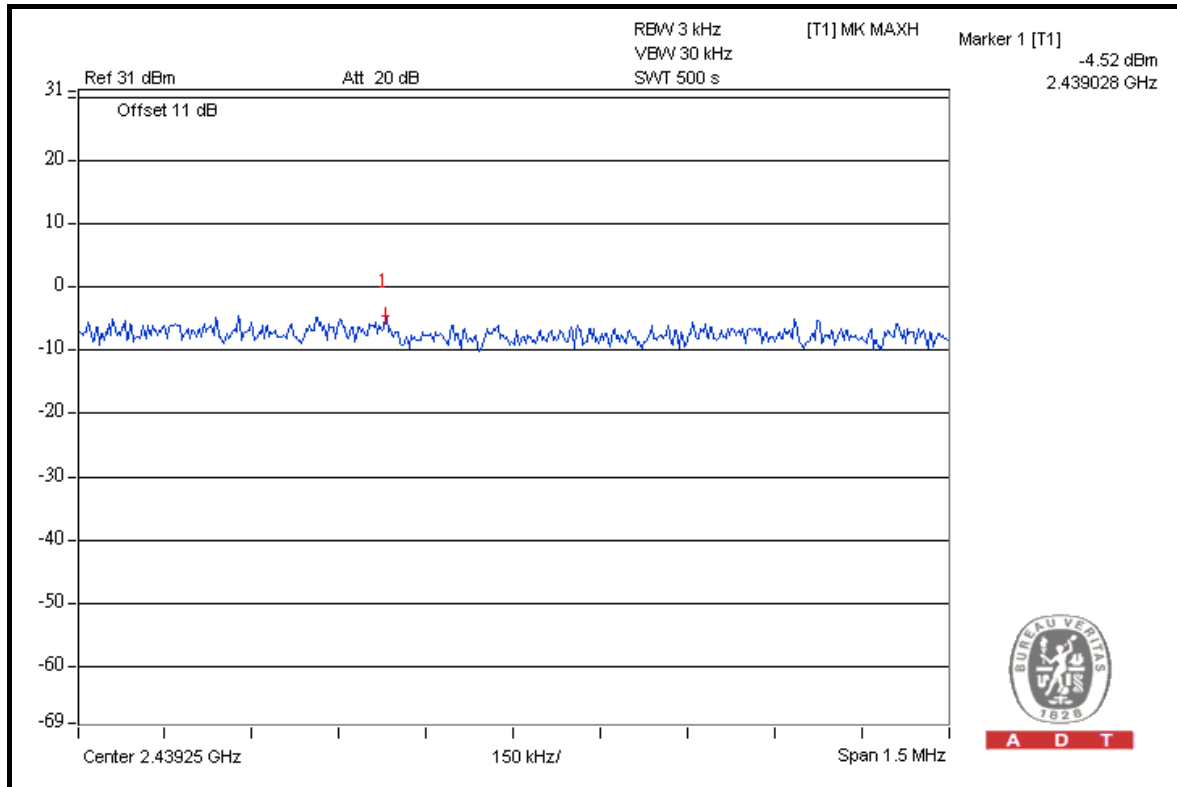
802.11b

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-6.4	-6.3	-6.1	-1.5	7.2	PASS
6	2437	-5.3	-4.5	-4.6	0	7.2	PASS
11	2462	-6.7	-6.6	-6.0	-1.6	7.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = 2dBi + 10log(3)=6.77dBi > 6dBi, so the power spectral density limit shall be reduced to 8-(6.77-6)=7.2dBm

FOR CHAIN 1: CH 6



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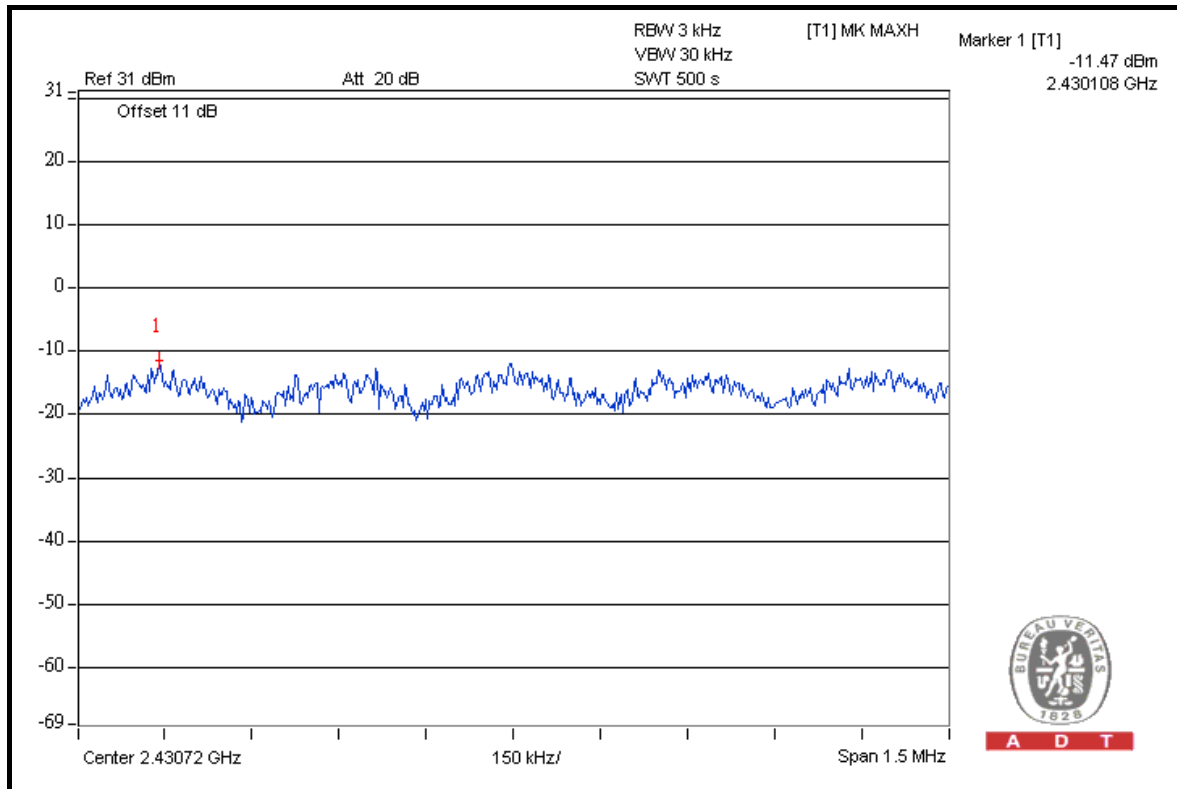
802.11g

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-13.5	-13.5	-13.4	-8.7	7.2	PASS
6	2437	-11.5	-12.1	-12.1	-7.1	7.2	PASS
11	2462	-12.1	-12.3	-12.2	-7.4	7.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = 2dBi + 10log(3)=6.77dBi > 6dBi, so the power spectral density limit shall be reduced to 8-(6.77-6)=7.2dBm

FOR CHAIN 0: CH 6



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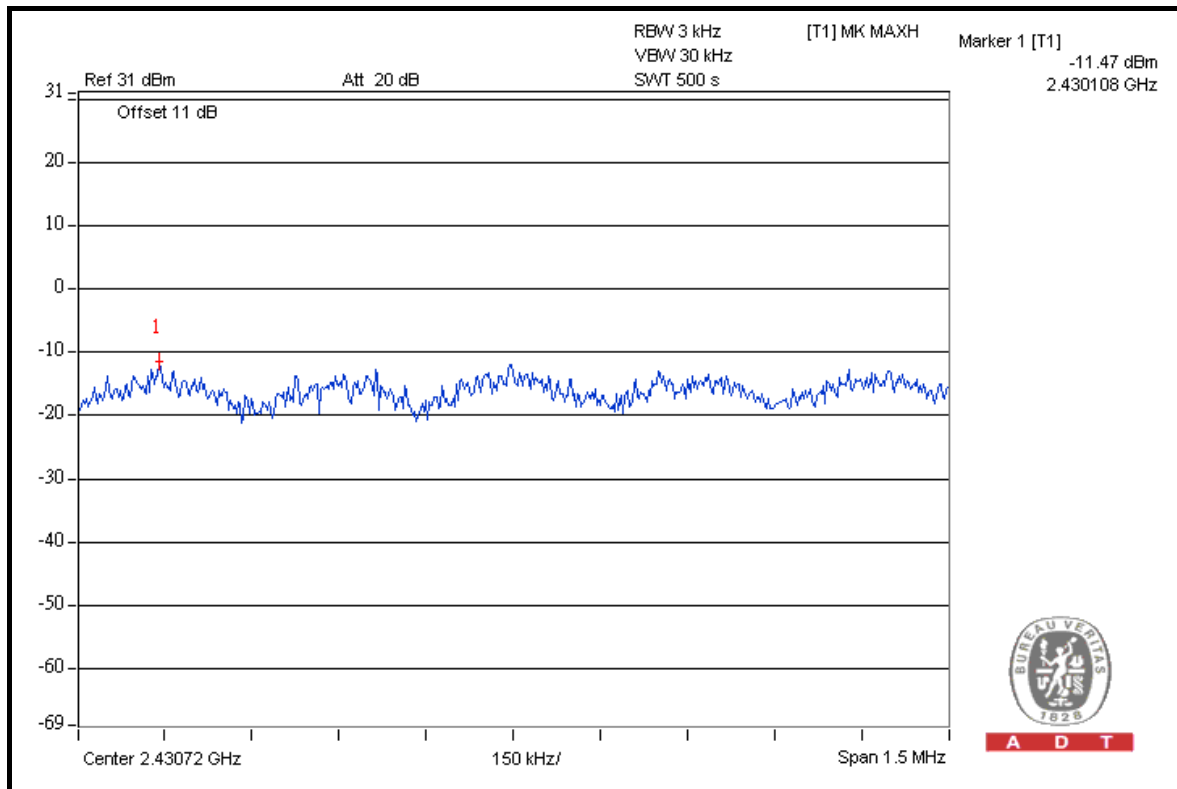
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-13.7	-13.8	-13.7	-9.0	7.2	PASS
6	2437	-11.5	-11.6	-11.5	-6.7	7.2	PASS
11	2462	-11.9	-11.9	-11.6	-7.0	7.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = $2\text{dBi} + 10\log(3) = 6.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - (6.77 - 6) = 7.2\text{dBm}$

FOR CHAIN 0: CH 6





A D T

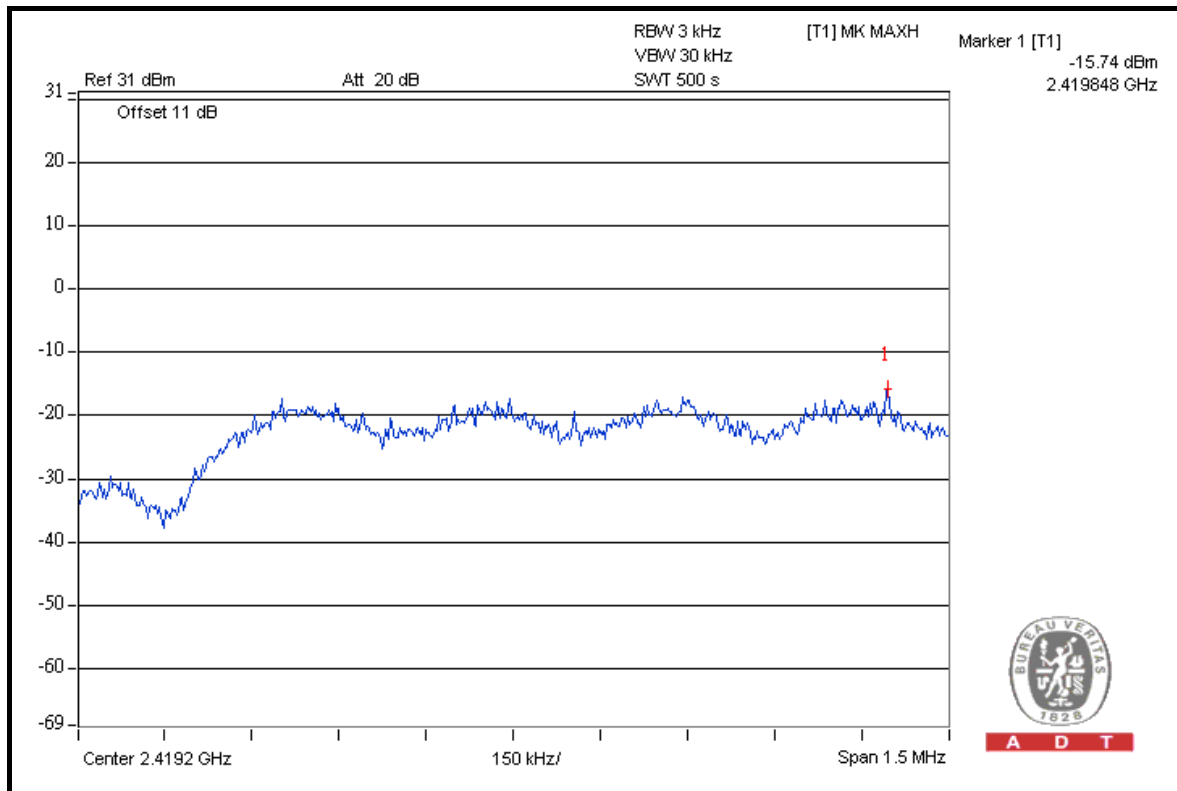
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2422	-16.8	-17.1	-17.1	-12.2	7.2	PASS
4	2437	-15.7	-16.1	-16.1	-11.2	7.2	PASS
7	2452	-17.2	-17.1	-17.1	-12.4	7.2	PASS

NOTE:

- 1. Antenna 5 (Model: J9659A) is not used for point to point operation.
- 2. Directional gain = $2\text{dBi} + 10\log(3) = 6.77\text{dBi} > 6\text{dBi}$, so the power spectral density limit shall be reduced to $8 - (6.77 - 6) = 7.2\text{dBm}$

FOR CHAIN 0: CH 4



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4.5.16 TEST RESULTS (TEST MODE E 2)

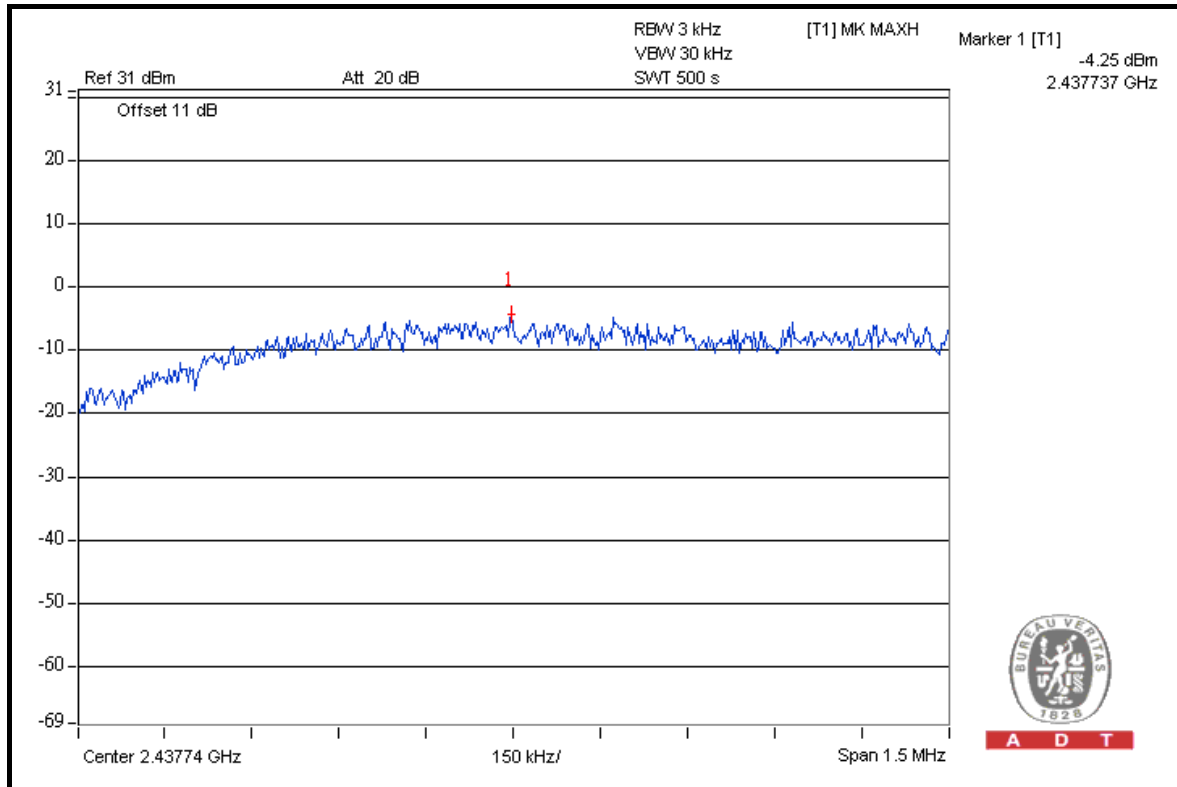
802.11b

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-6.3	-6.1	-5.9	-1.3	7.2	PASS
6	2437	-5.0	-4.3	-4.6	0.2	7.2	PASS
11	2462	-6.6	-6.5	-5.7	-1.5	7.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = 2dBi + 10log(3)=6.77dBi > 6dBi, so the power spectral density limit shall be reduced to 8-(6.77-6)=7.2dBm

FOR CHAIN 1: CH 6



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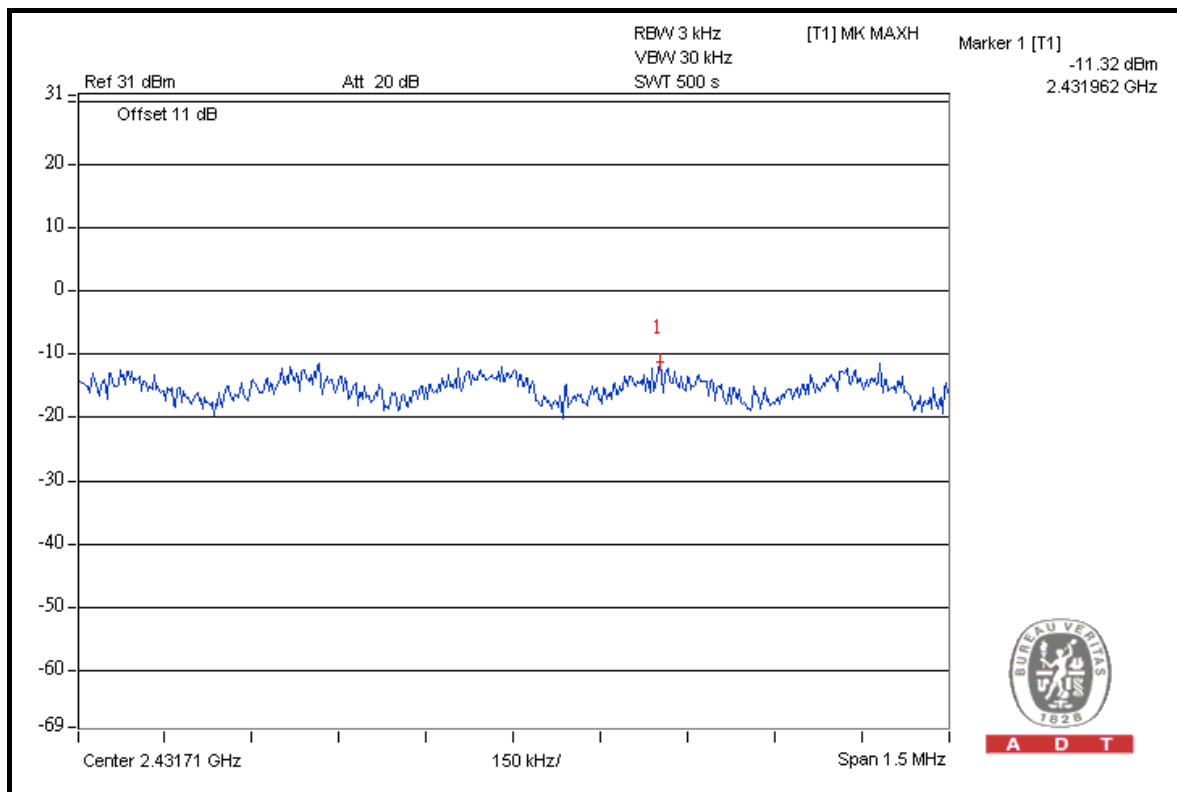
802.11g

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-13.4	-13.4	-13.5	-8.7	7.2	PASS
6	2437	-11.3	-11.9	-12.0	-7.0	7.2	PASS
11	2462	-11.9	-12.0	-12.2	-7.3	7.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain = 2dBi + 10log(3)=6.77dBi > 6dBi, so the power spectral density limit shall be reduced to 8-(6.77-6)=7.2dBm

FOR CHAIN 0: CH 6



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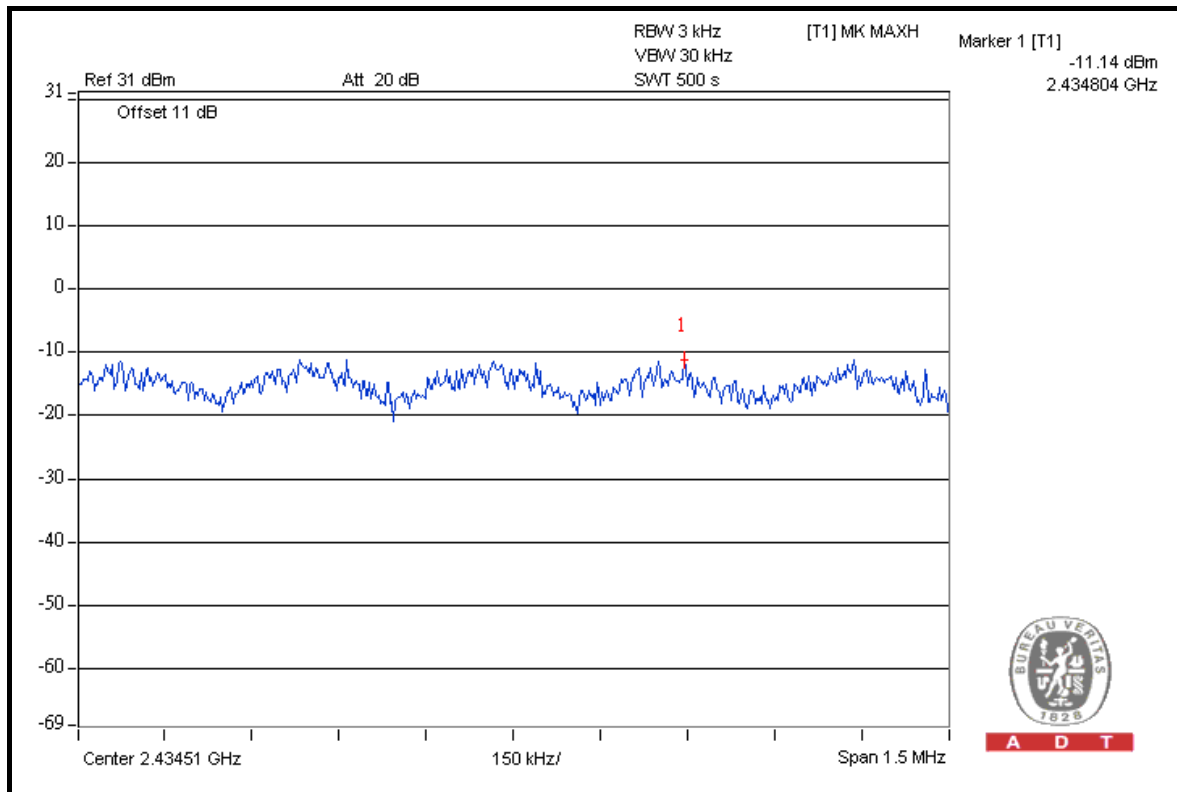


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802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2412	-13.7	-13.8	-13.7	-9.0	8	PASS
6	2437	-11.1	-11.6	-11.7	-6.7	8	PASS
11	2462	-11.9	-11.9	-11.6	-7.0	8	PASS

FOR CHAIN 0: CH 6



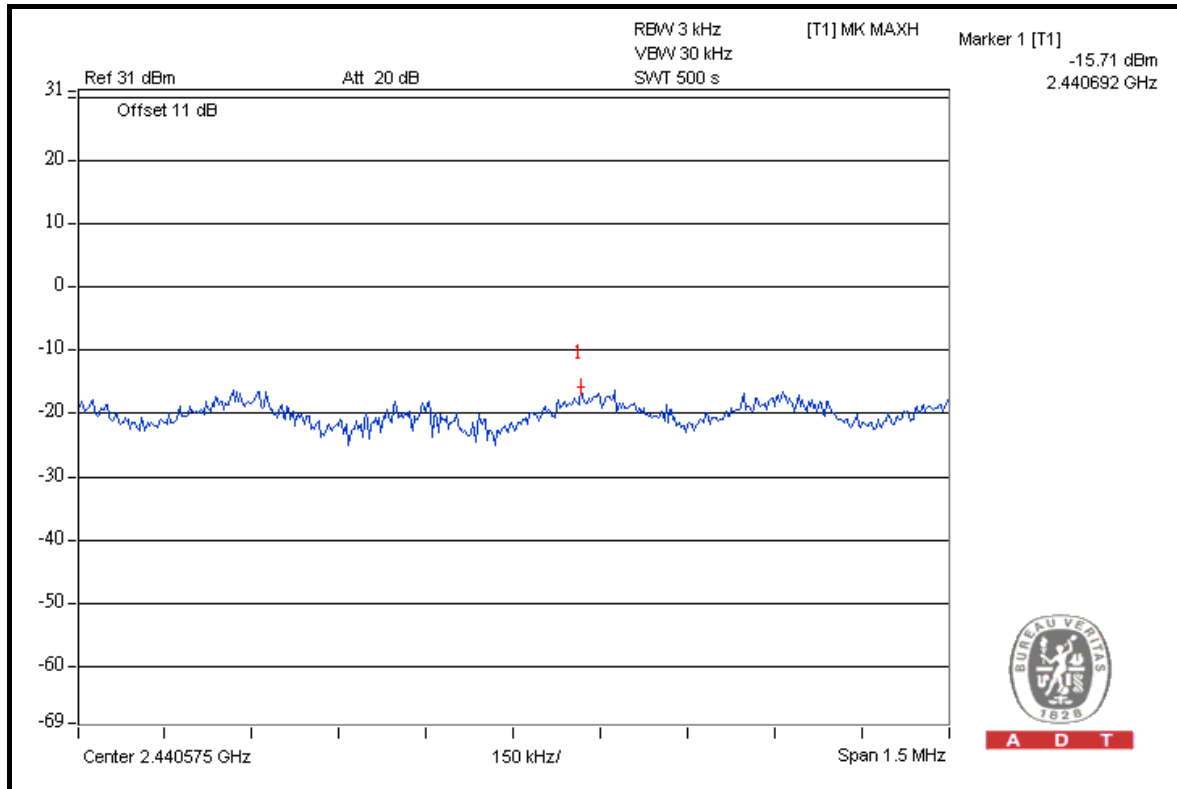


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802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
1	2422	-16.7	-17.1	-17.1	-12.2	8	PASS
4	2437	-15.7	-16.0	-16.0	-11.1	8	PASS
7	2452	-16.9	-17.4	-17.3	-12.4	8	PASS

FOR CHAIN 0: CH 4





4.6 BAND EDGES MEASUREMENT

4.6.1 LIMITS OF BAND EDGES MEASUREMENT

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

Note: Follow DTS measurement, If the device complies with the use of power option 2 the attenuation under this paragraph shall be 30 dB instead of 20 dB.

4.6.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100188	Dec. 21, 2009	Dec. 20, 2010
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Dec. 31, 2009	Dec. 30, 2010
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Apr. 27, 2010	Apr. 26, 2011
HORN Antenna SCHWARZBECK	9120D	9120D-405	Feb. 03, 2010	Feb. 02, 2011
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Dec. 25, 2009	Dec. 24, 2010
Preamplifier Agilent	8447D	2944A10637	Dec. 10, 2009	Dec. 09, 2010
Preamplifier Agilent	8449B	3008A01922	Sep. 24, 2010	Sep. 23, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	238141/4	May 14, 2010	May 13, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	12738/6	May 14, 2010	May 13, 2011
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table ADT.	TT100.	TT93021703	NA	NA
Turn Table Controller ADT.	SC100.	SC93021703	NA	NA

NOTE: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.



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4.6.3 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. Set both RBW and VBW of spectrum analyzer to 100kHz and 300kHz with suitable frequency span including 100MHz bandwidth from band edge. The band edges was measured and recorded.
- f. The spectrum plots (Peak RBW = 100kHz, VBW = 300kHz) are attached on the following pages.

NOTE: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 1kHz for Average detection (AV) at frequency above 1GHz.

4.6.4 DEVIATION FROM TEST STANDARD

No deviation.

4.6.5 EUT OPERATING CONDITION

Same as Item 4.3.6.



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4.6.6 TEST RESULTS (TEST MODE A 1)

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	112.1	50.1	62.00	74.00
2412.00 (AV)	108.2	58.11	50.09	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

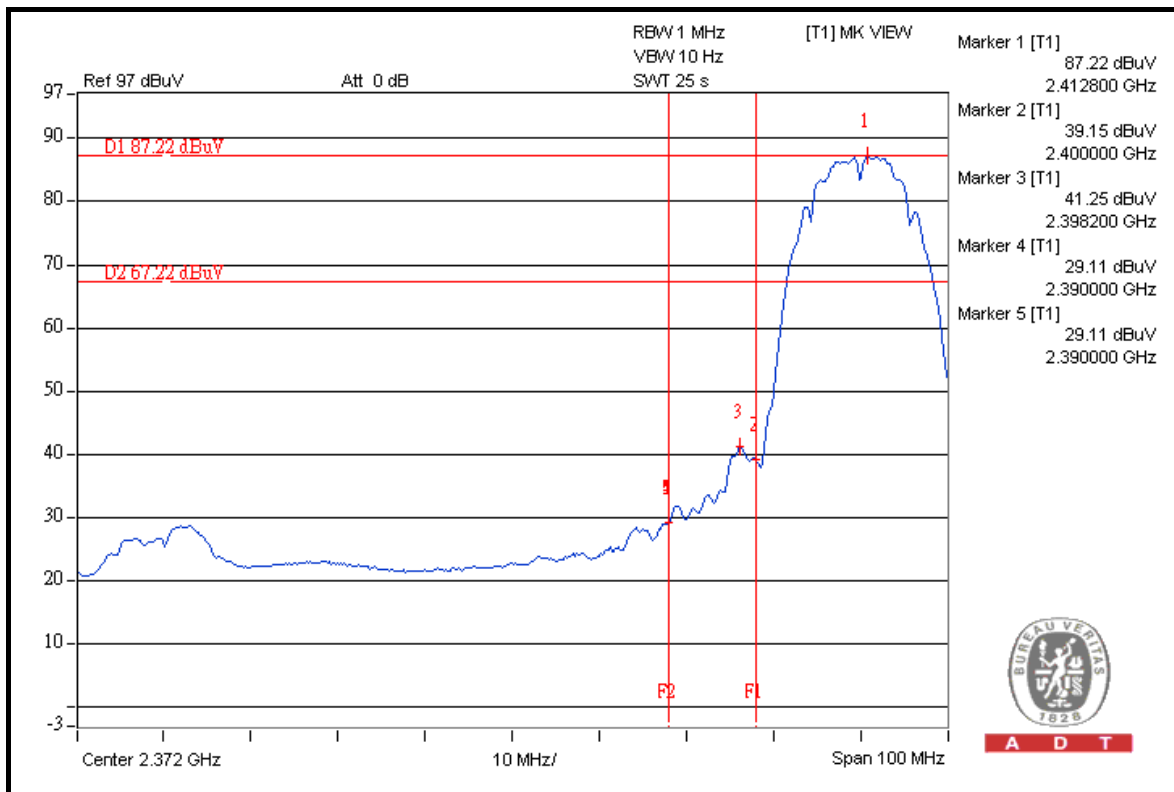
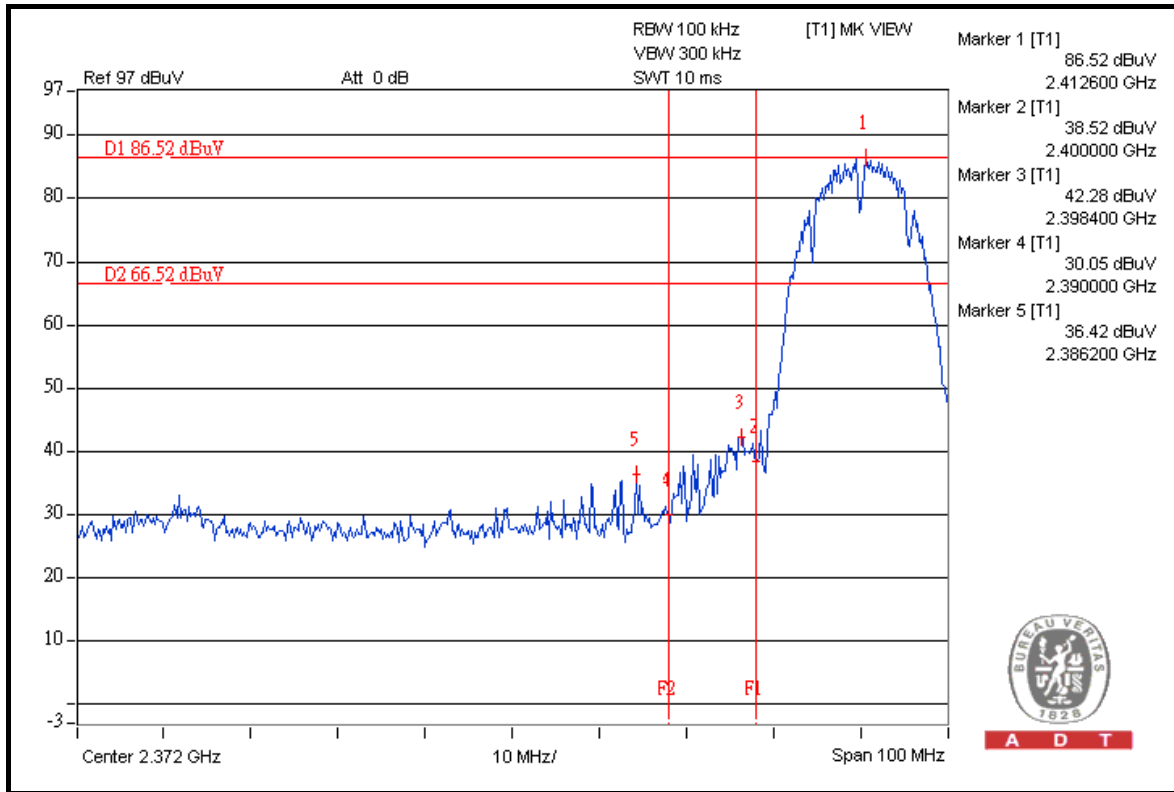
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	111.4	50.72	60.68	74.00
2462.00 (AV)	107.2	54.83	52.37	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

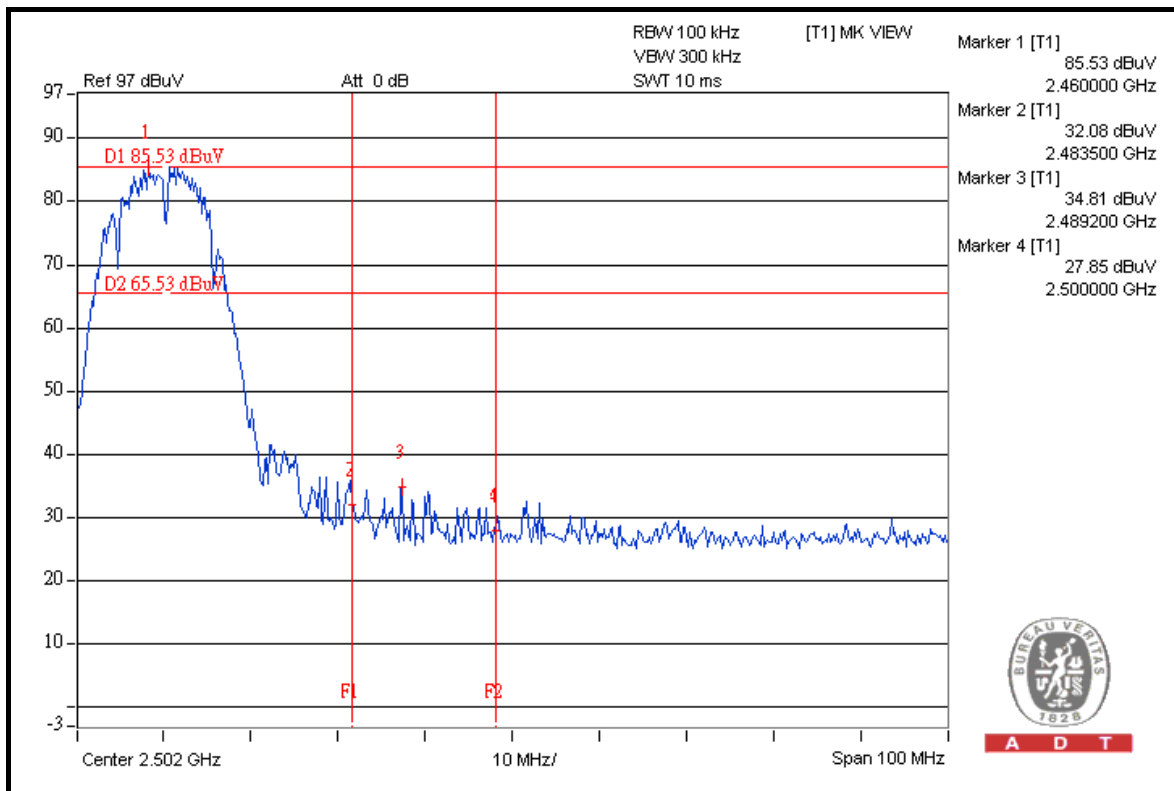
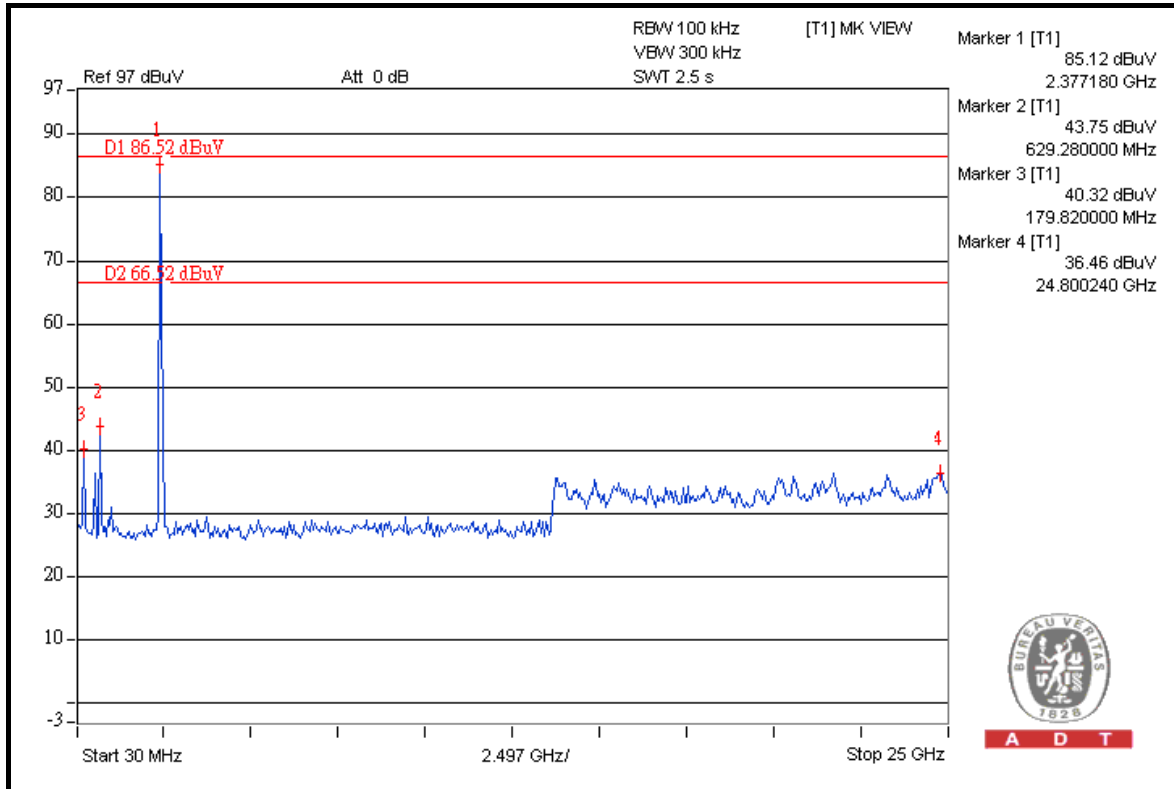


A D T



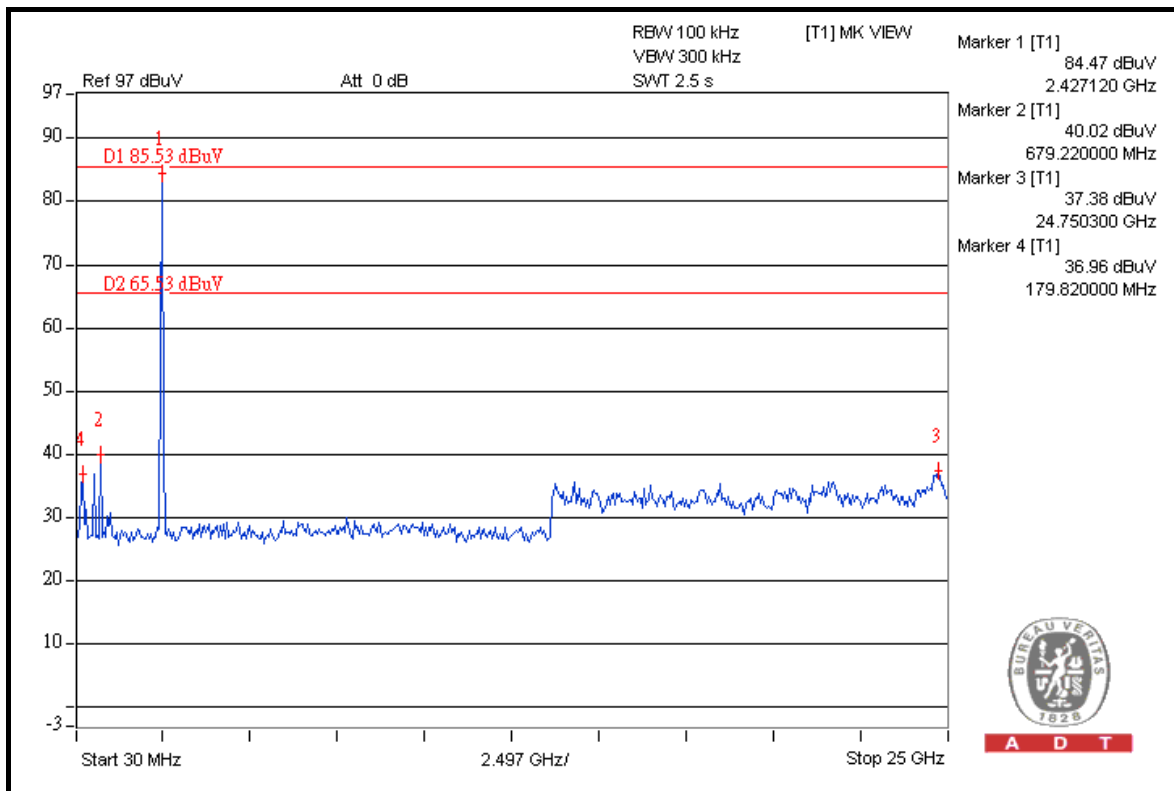
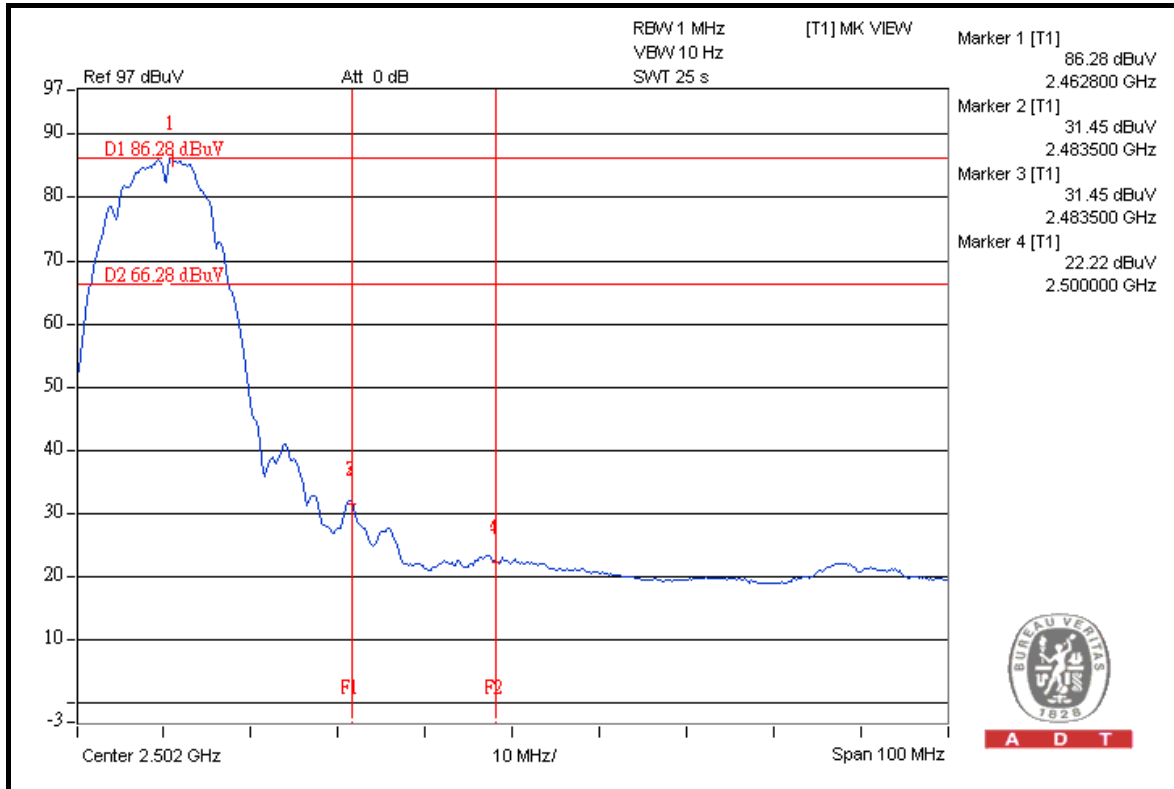


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A D T





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802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	109.8	42.79	67.01	74.00
2412.00 (AV)	97.1	45.01	52.09	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

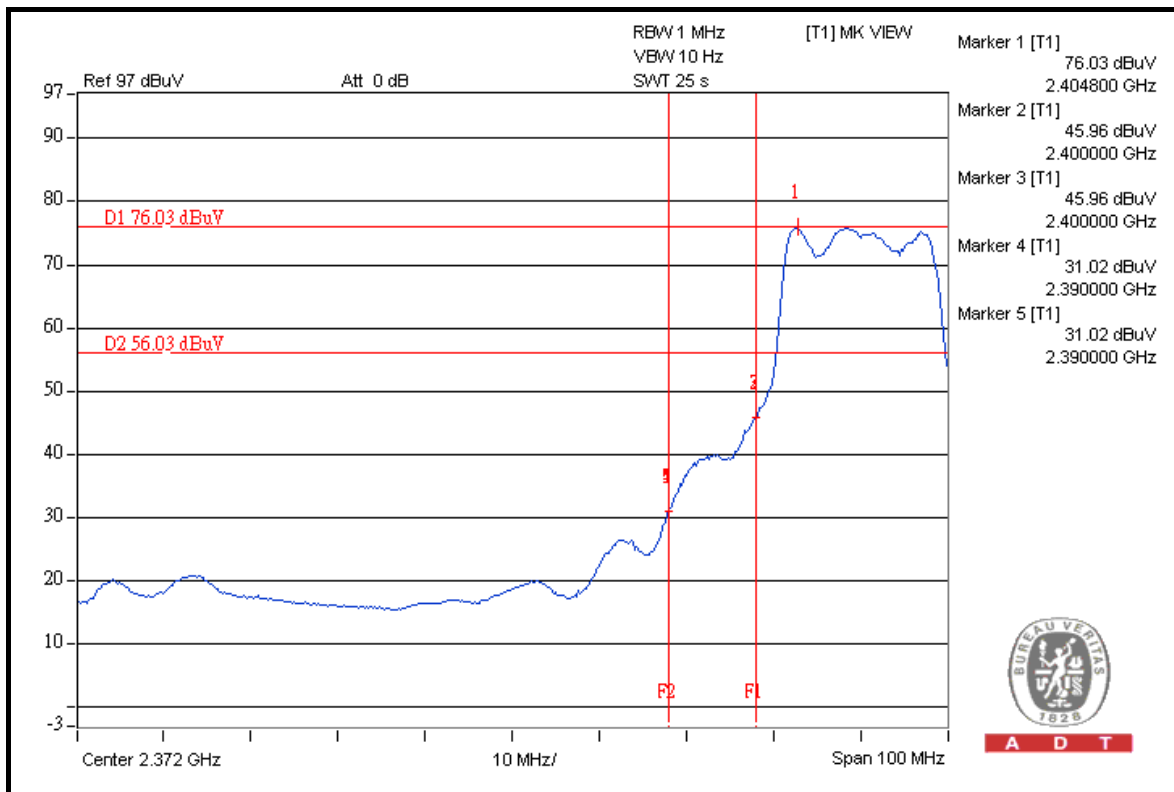
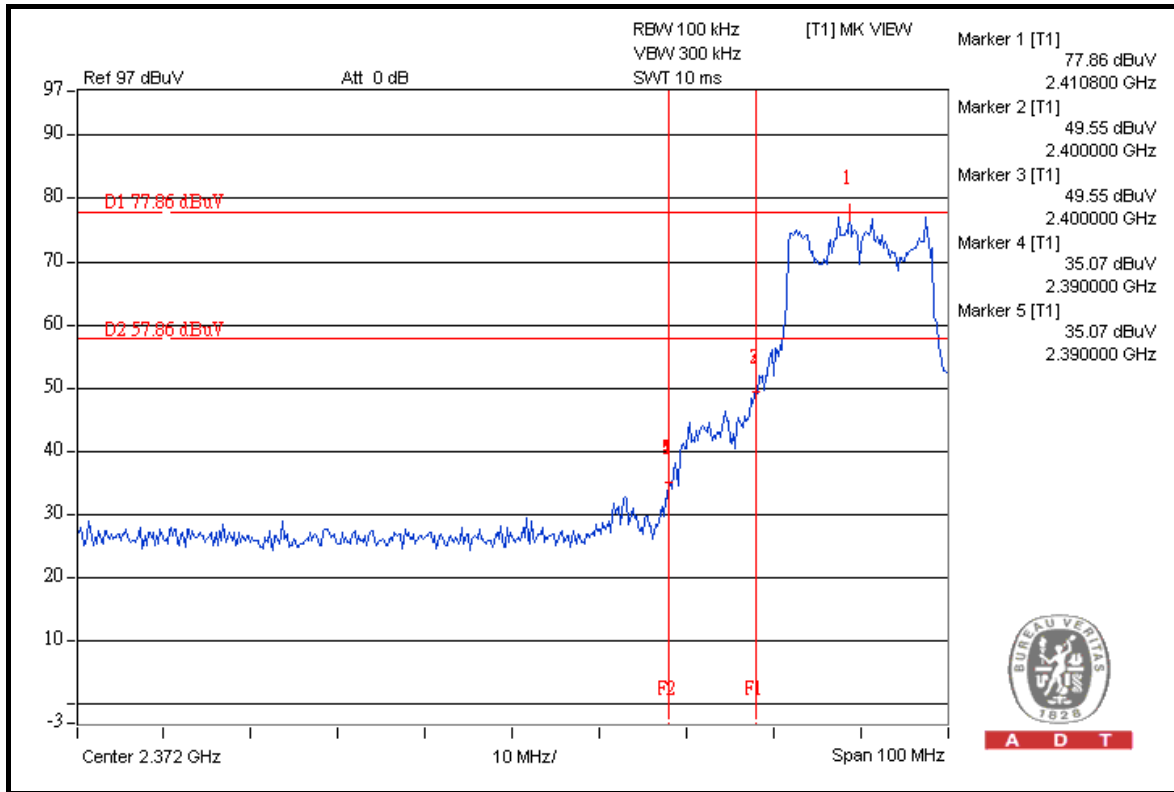
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	110.1	40.68	69.42	74.00
2462.00 (AV)	97.6	45.53	52.07	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

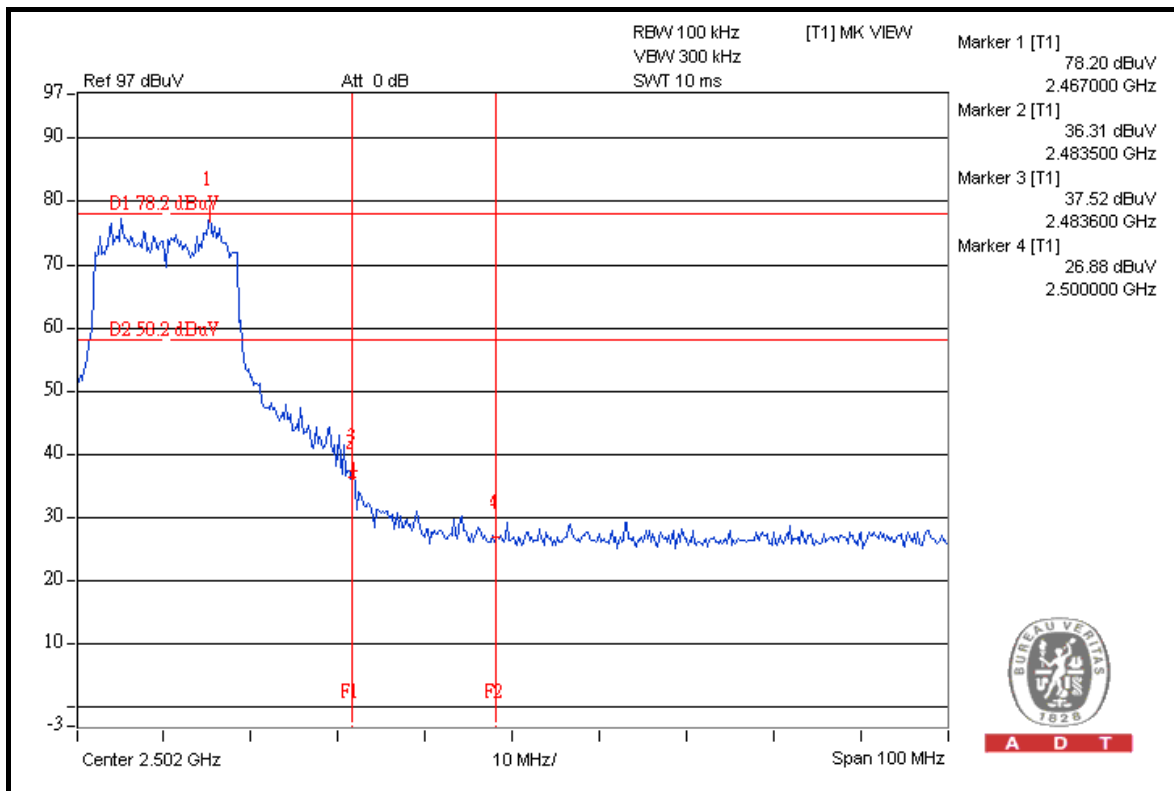
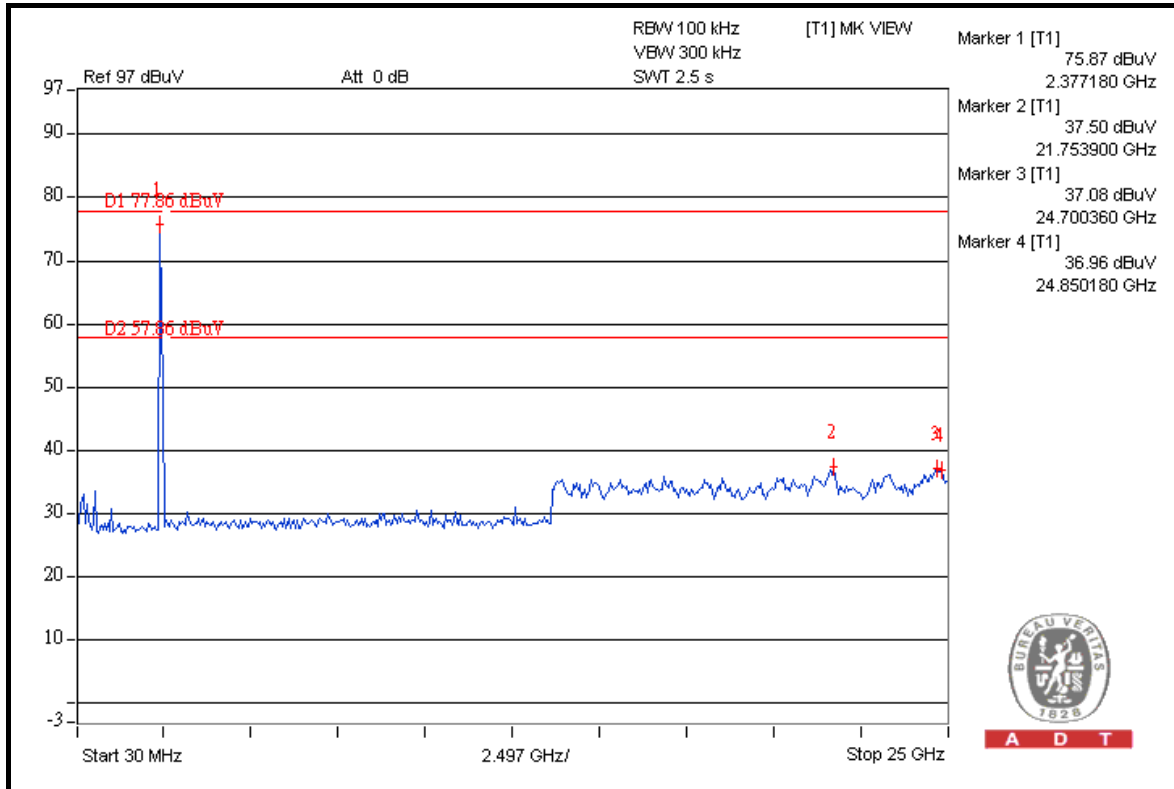


A D T



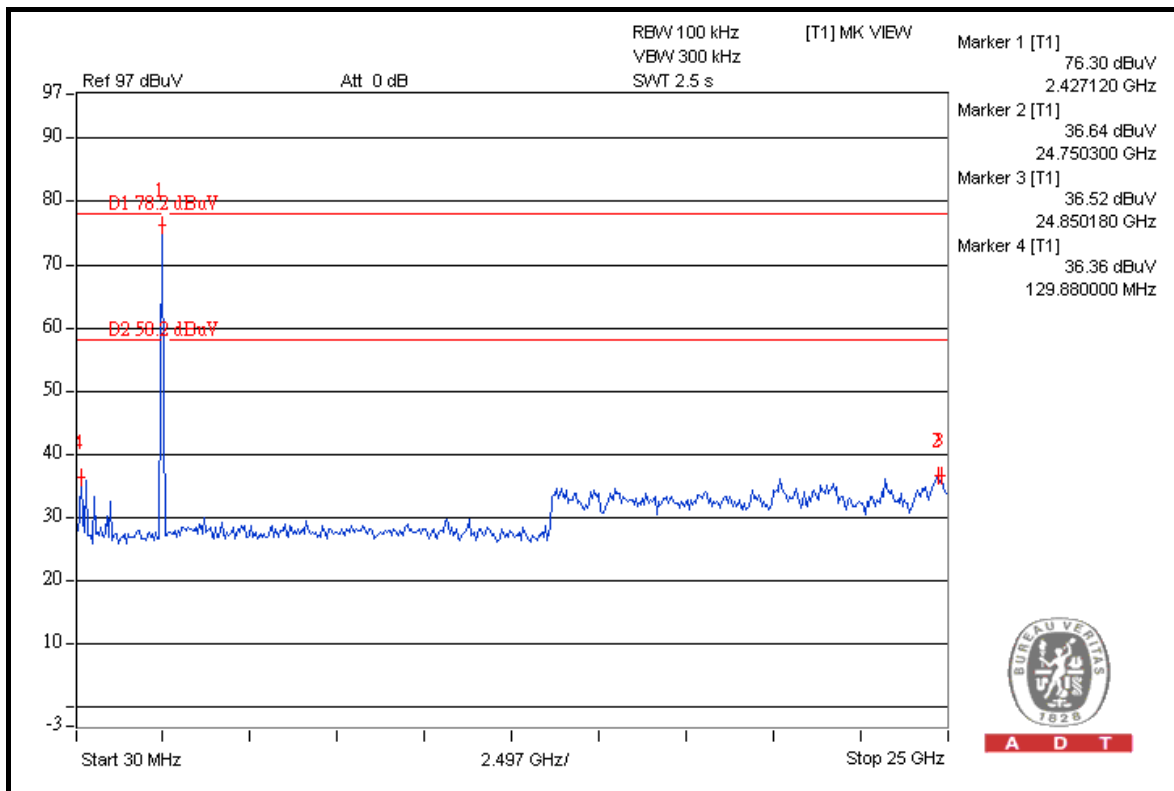
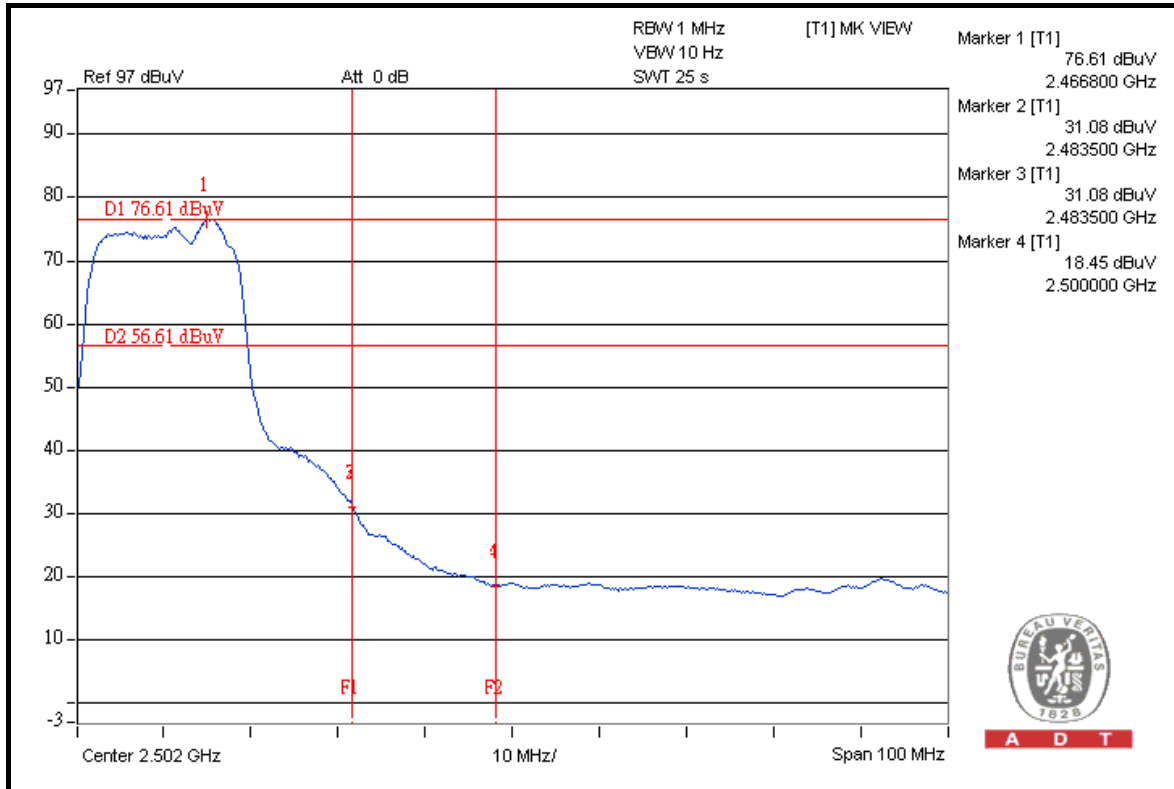


A D T





A D T





A D T

802.11n (20MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	109.8	38.34	71.46	74.00
2412.00 (AV)	97.2	45.24	51.96	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

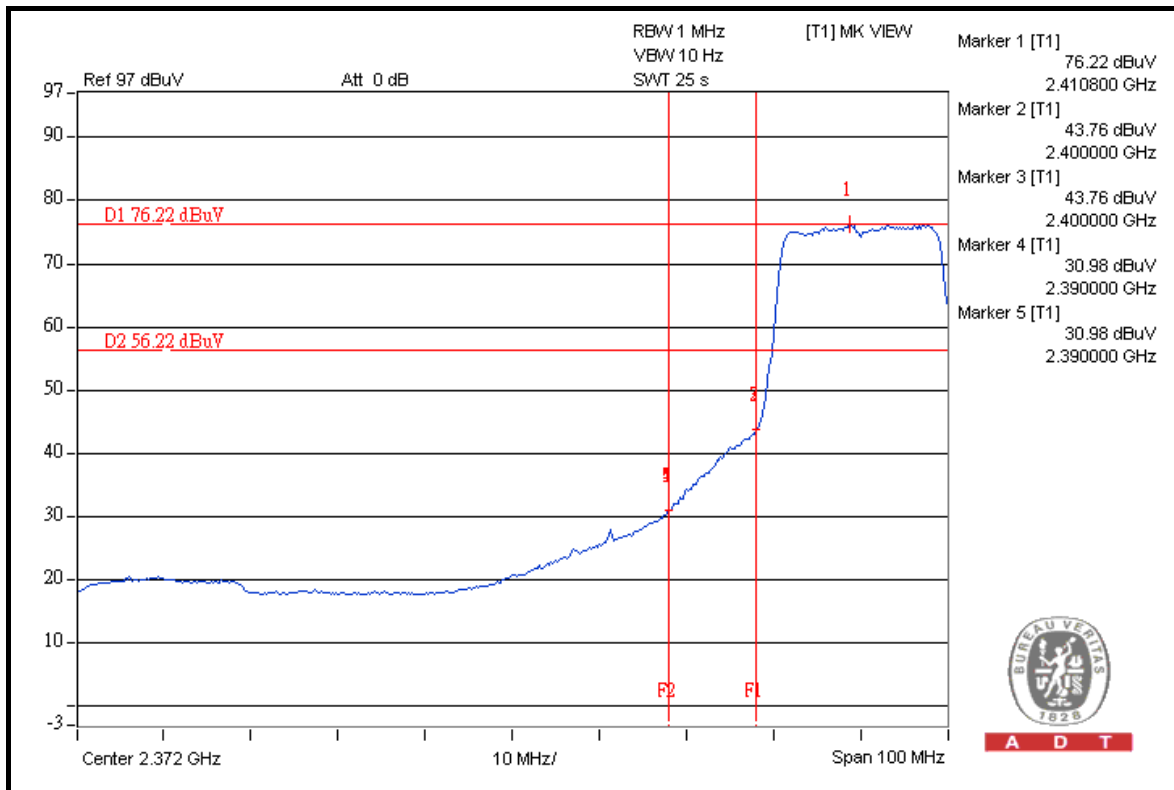
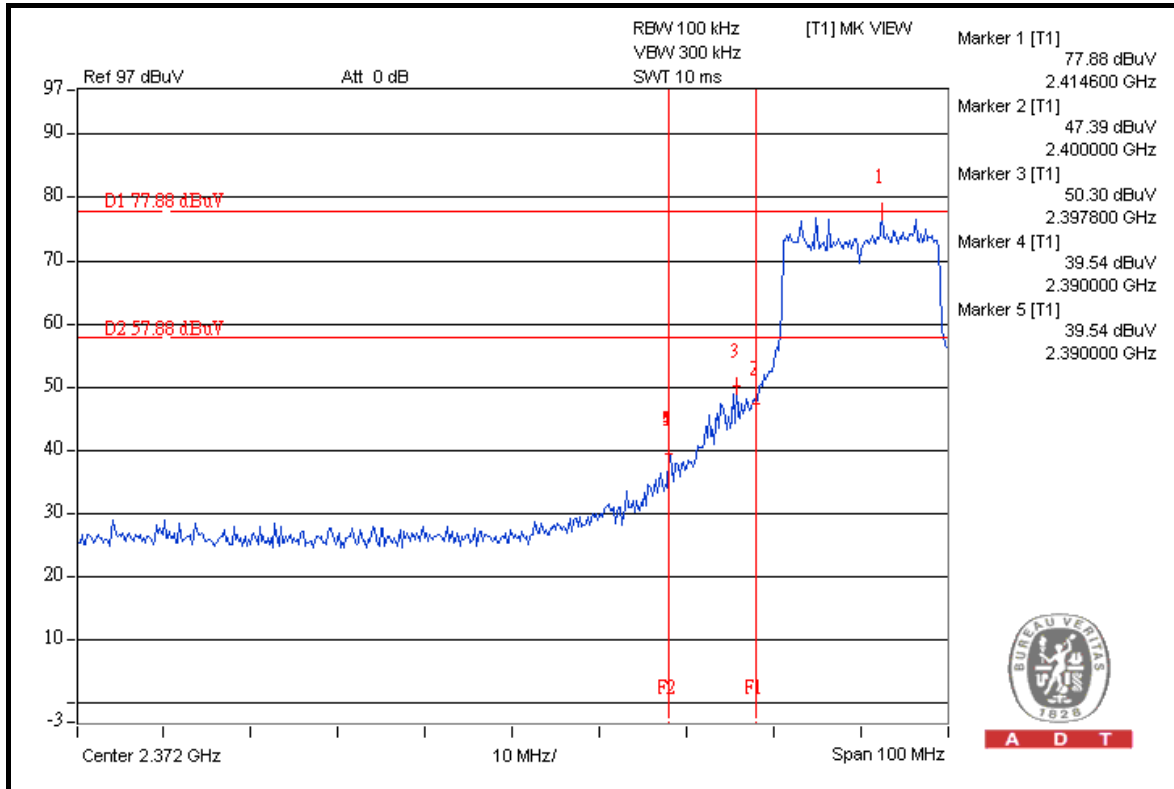
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	109.5	39.19	70.31	74.00
2462.00 (AV)	97.1	44.39	52.71	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

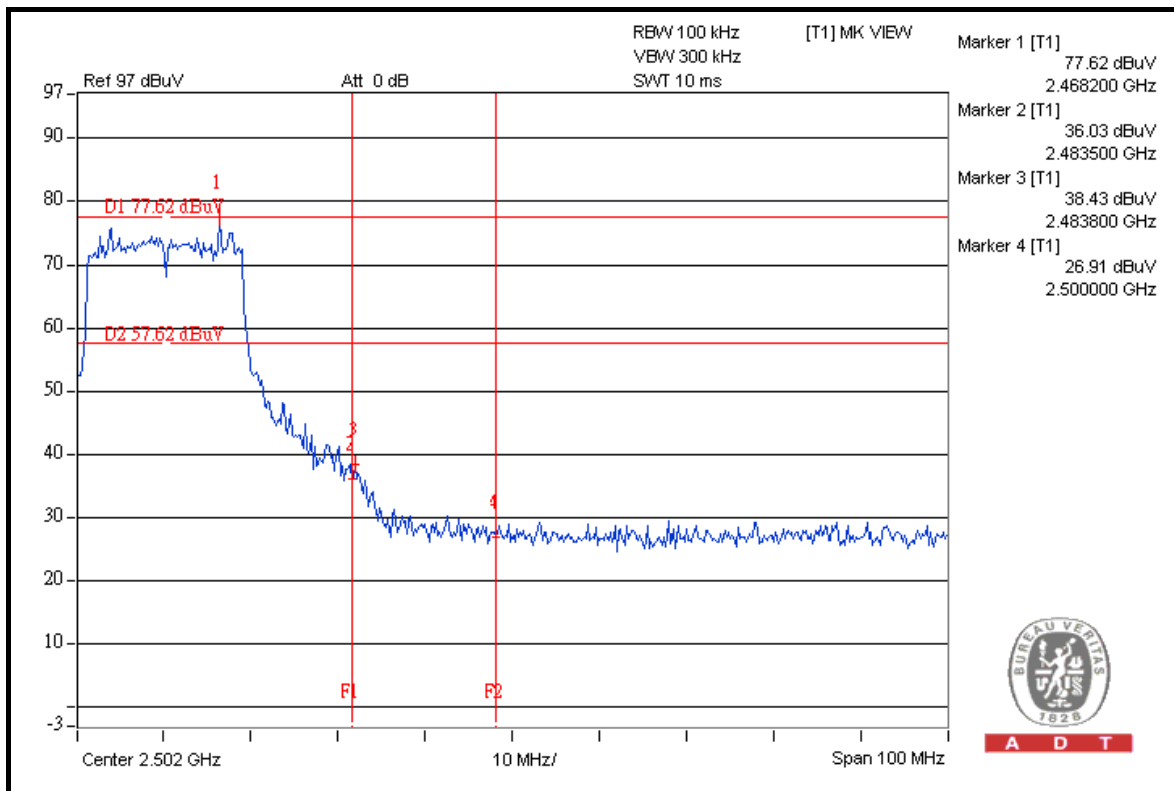
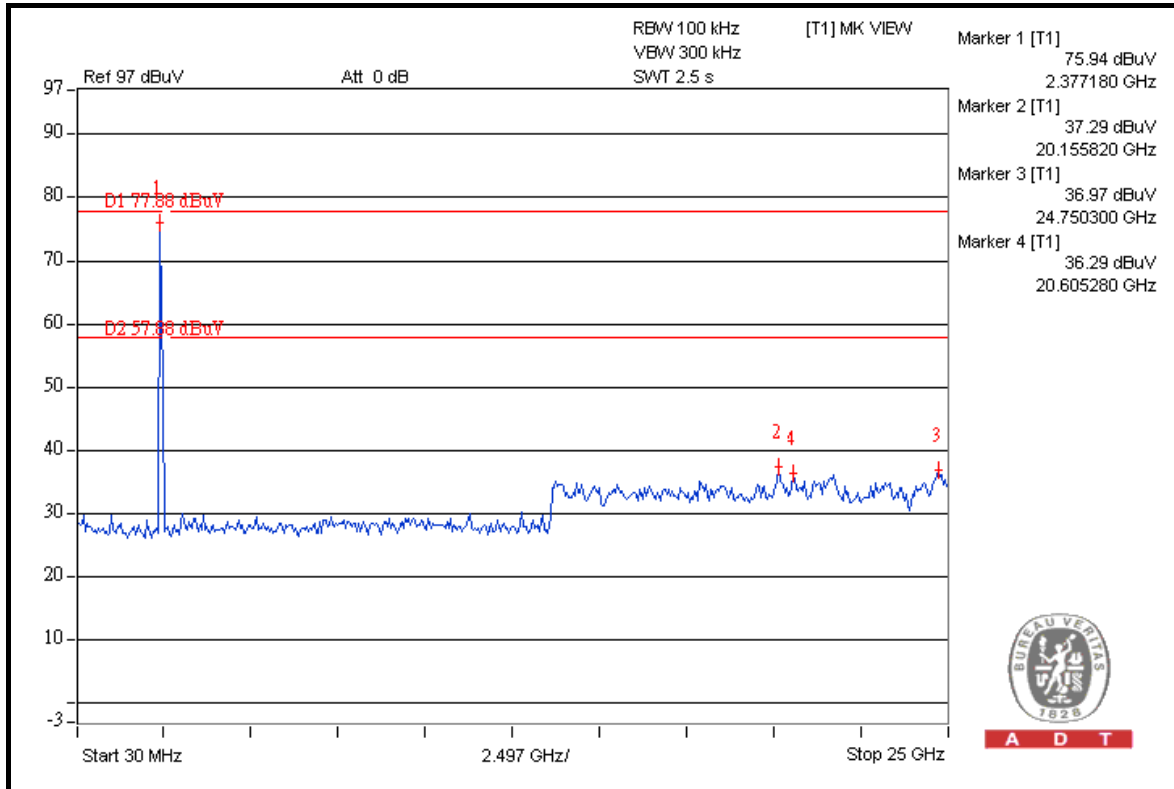


A D T



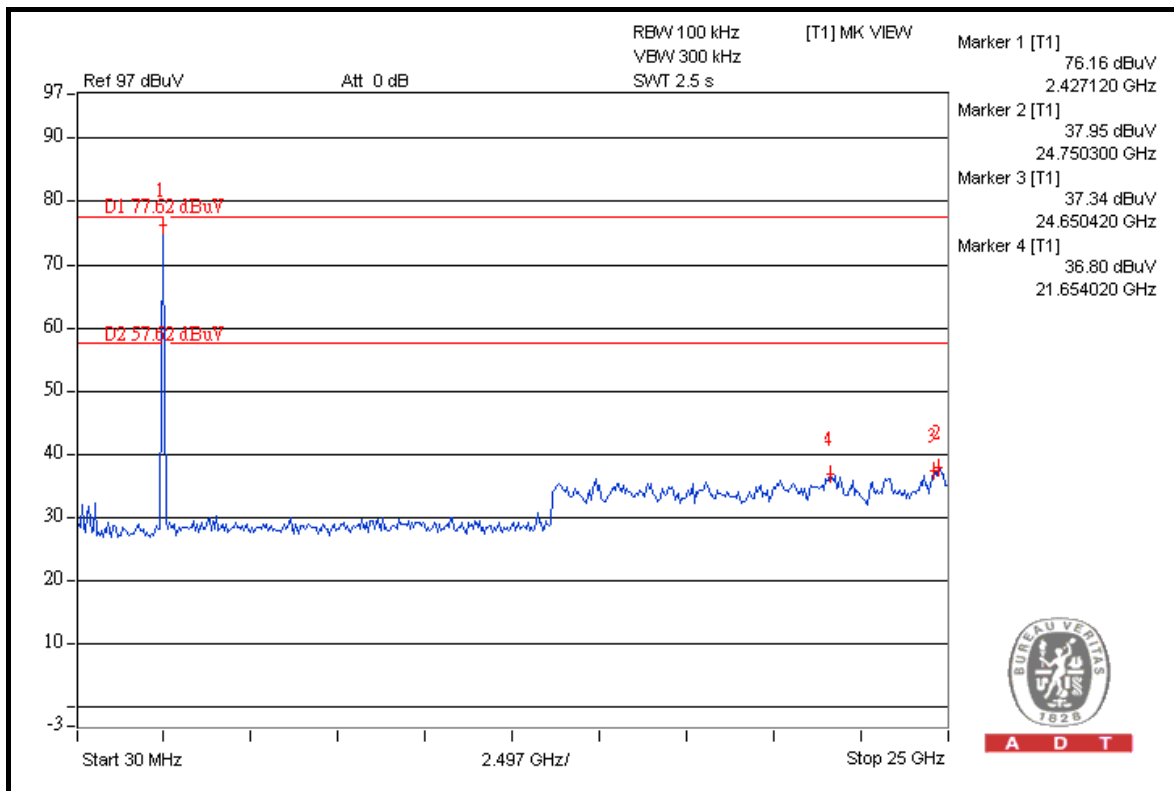
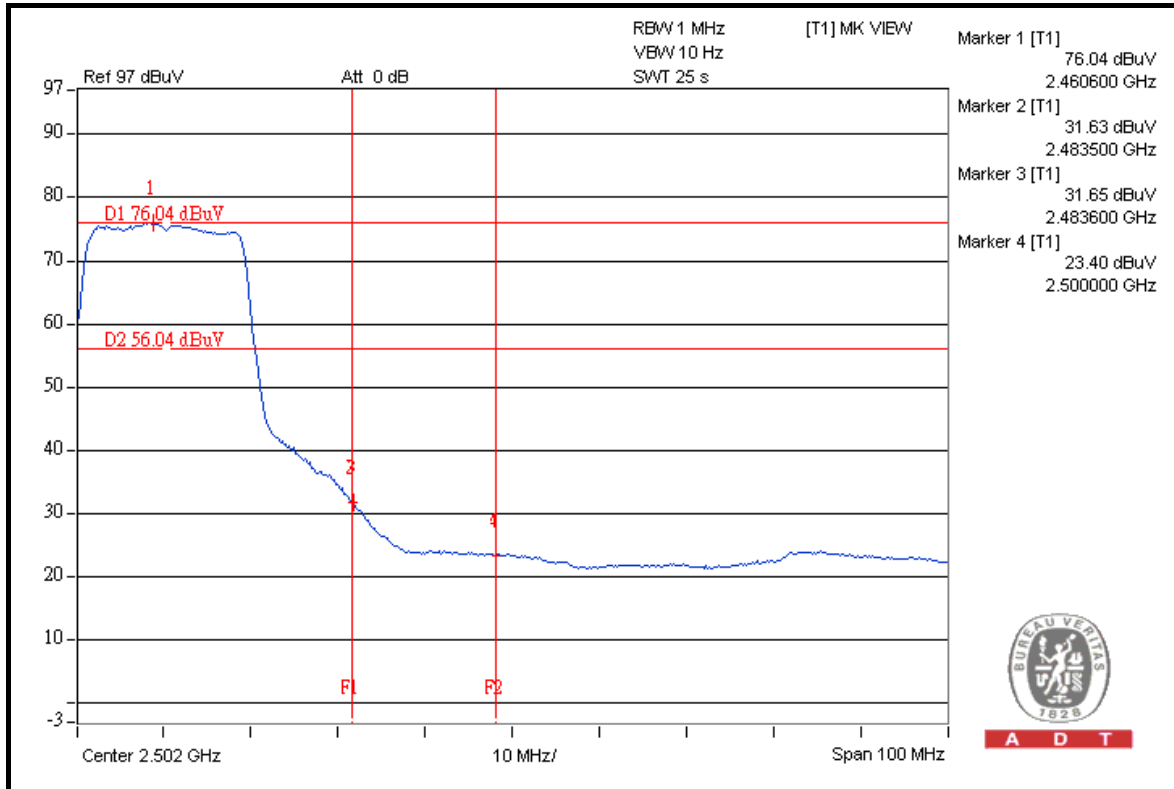


A D T





A D T





A D T

802.11n (40MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	106.1	36.86	69.24	74.00
2422.00 (AV)	92.8	40.28	52.52	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

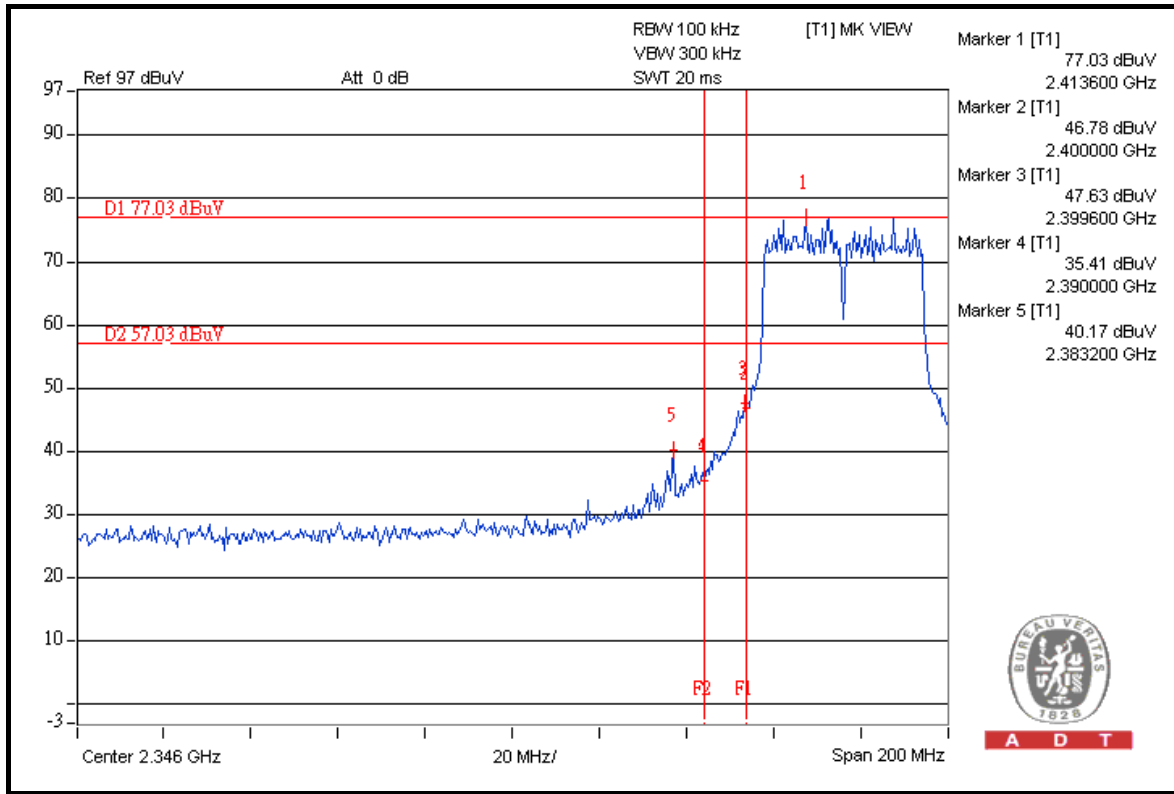
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	105.8	37.54	68.26	74.00
2452.00 (AV)	92.8	40.06	52.74	54.00

NOTE:

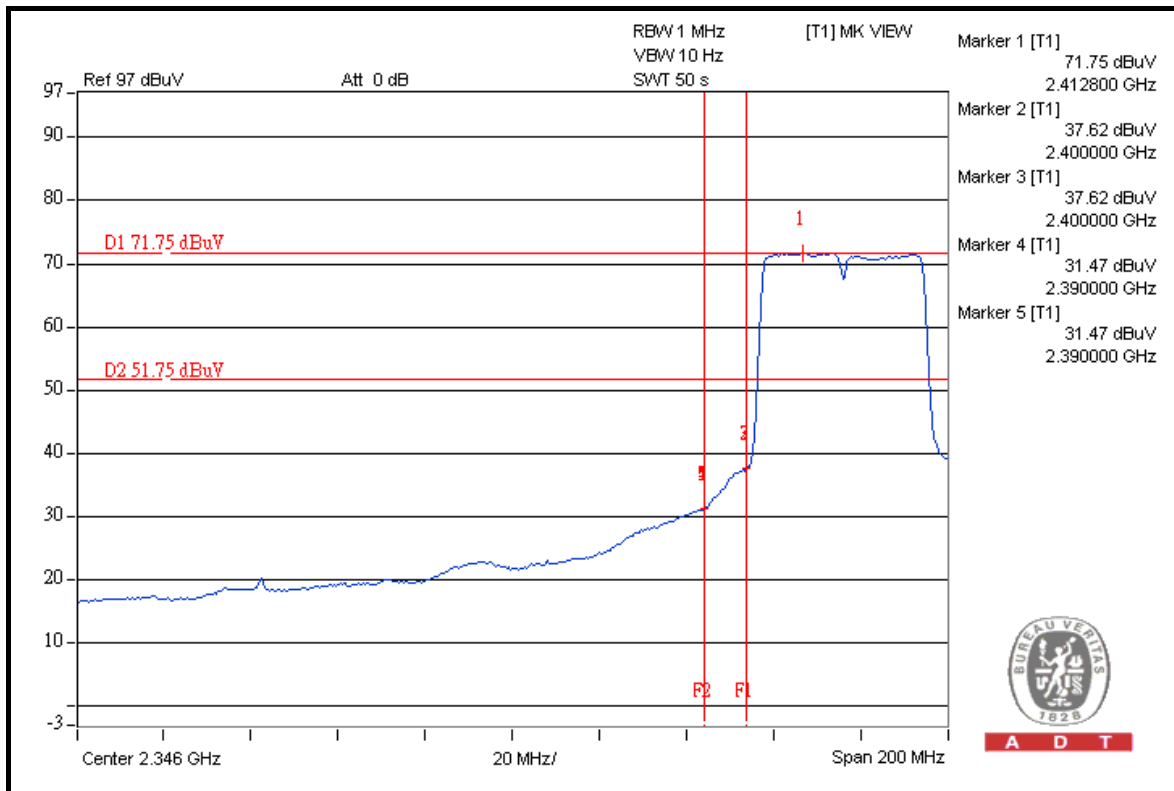
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.



A D T



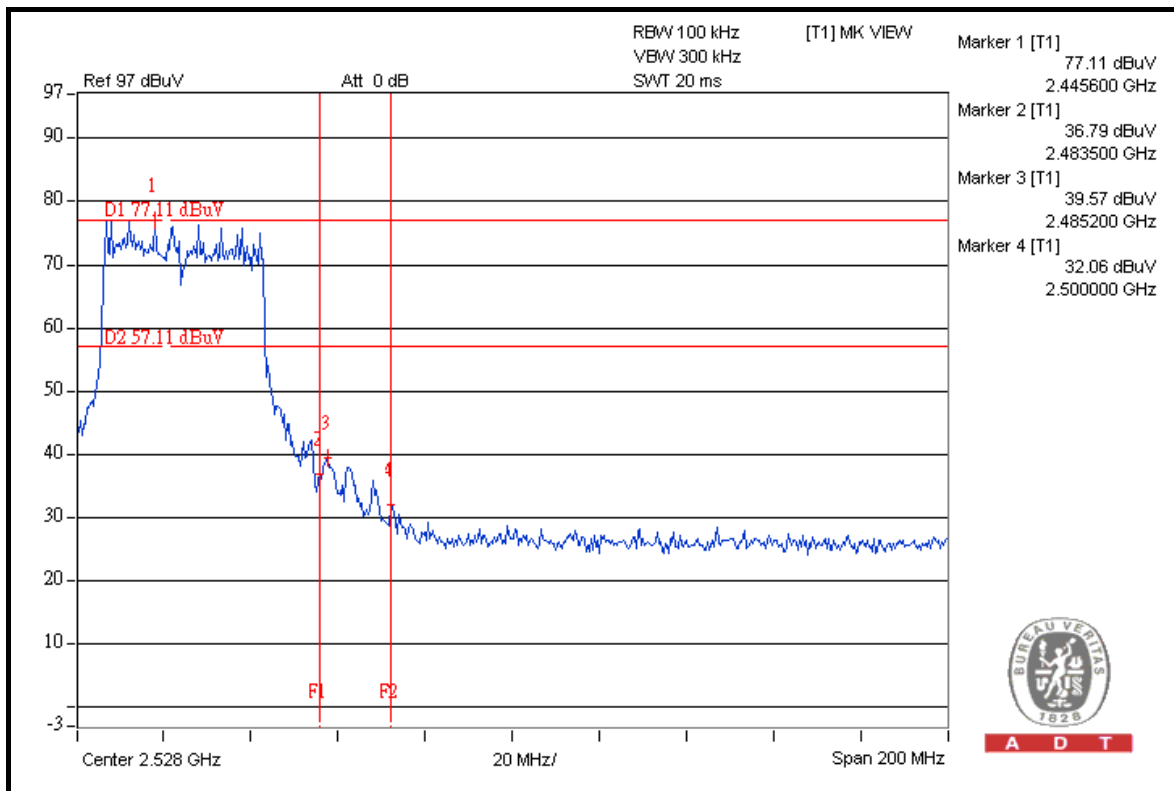
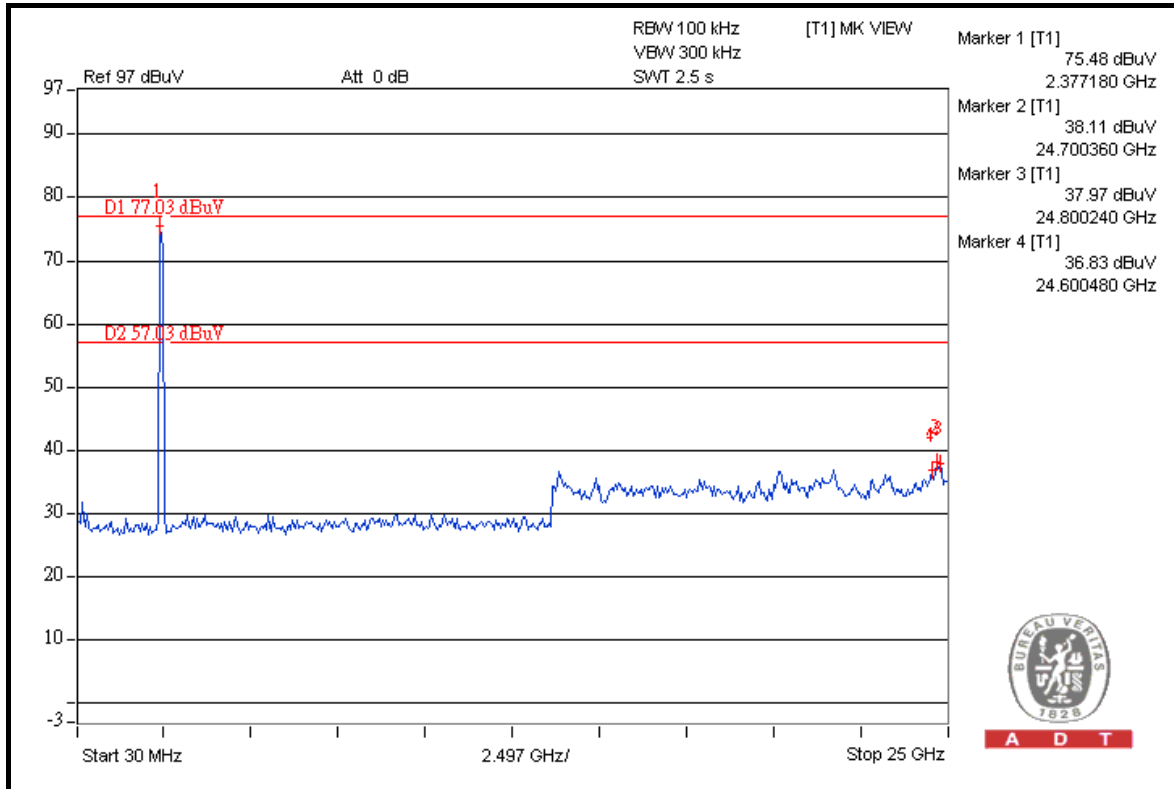
A D T



A D T

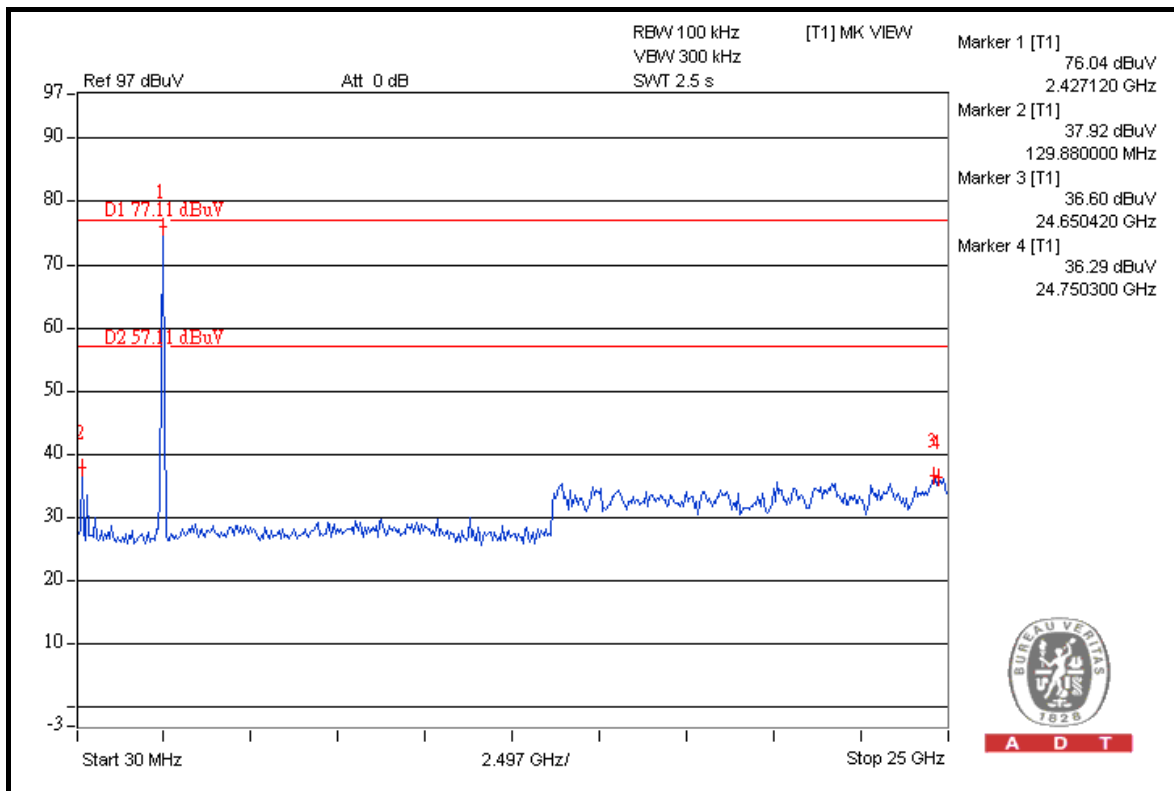
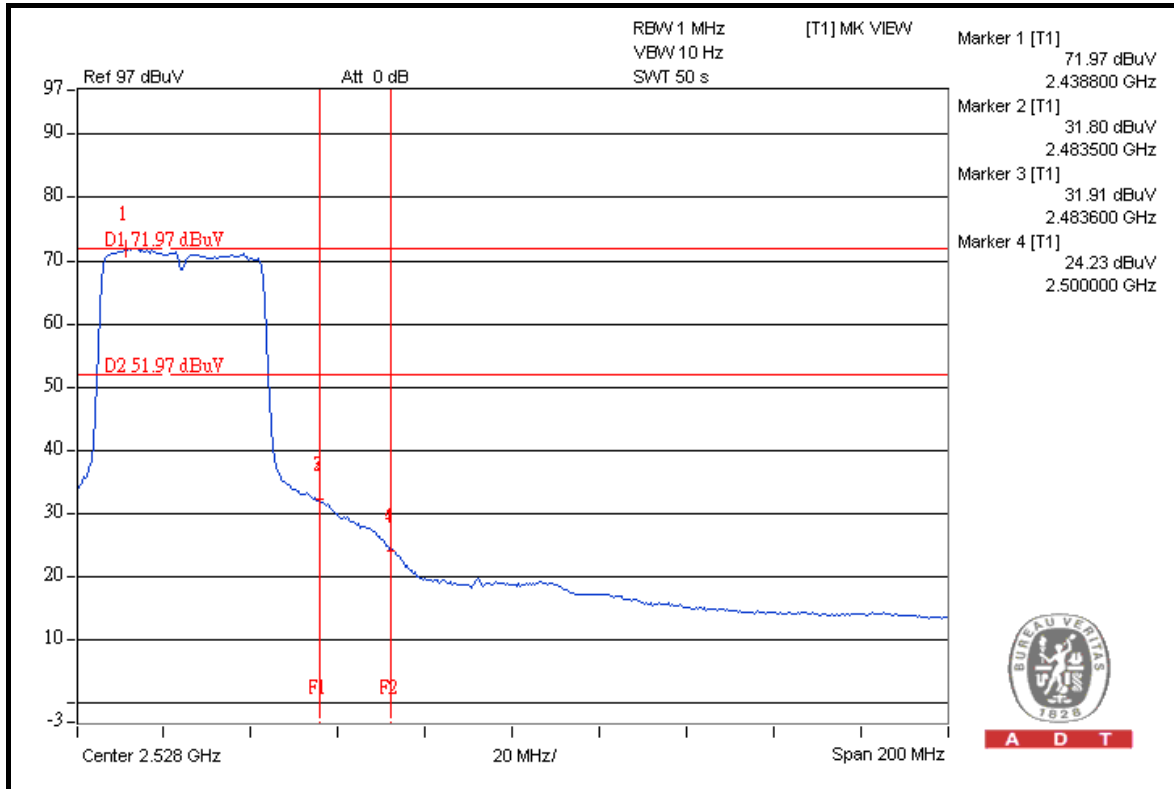


A D T





A D T





A D T

4.6.7 TEST RESULTS (TEST MODE A 2)

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	112.5	51.81	60.69	74.00
2412.00 (AV)	108.4	55.56	52.84	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

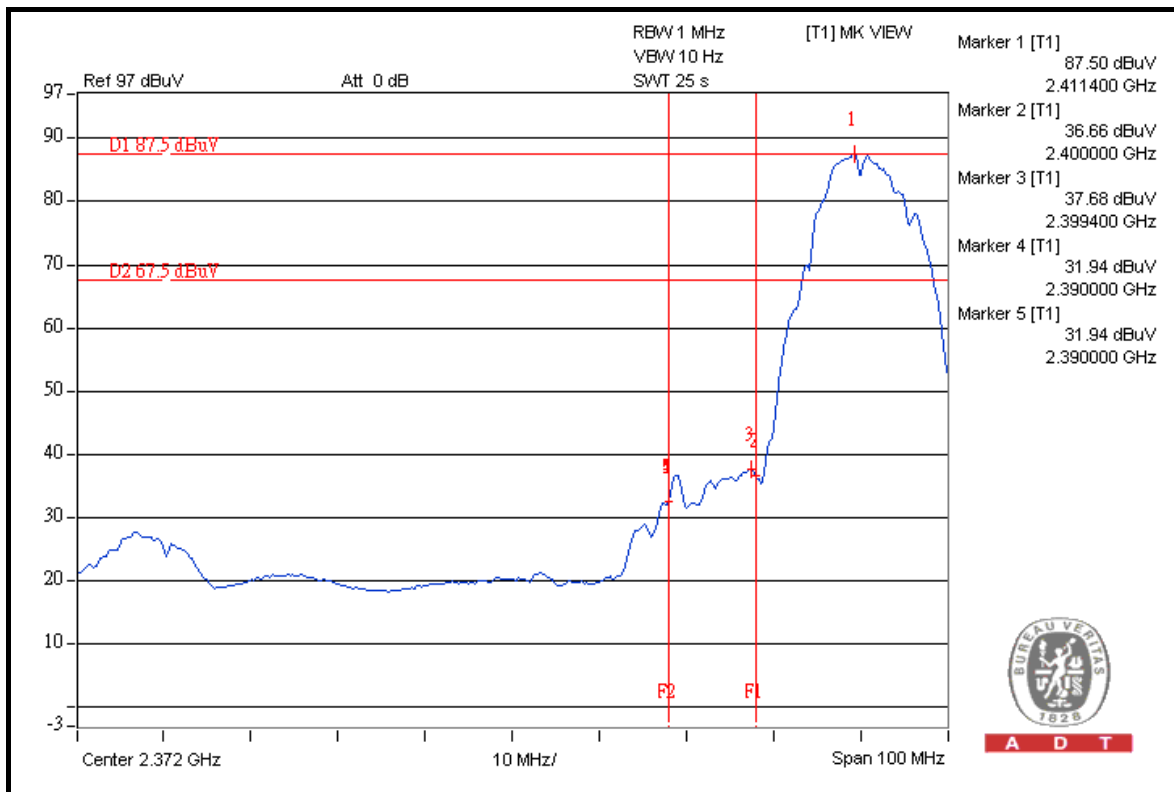
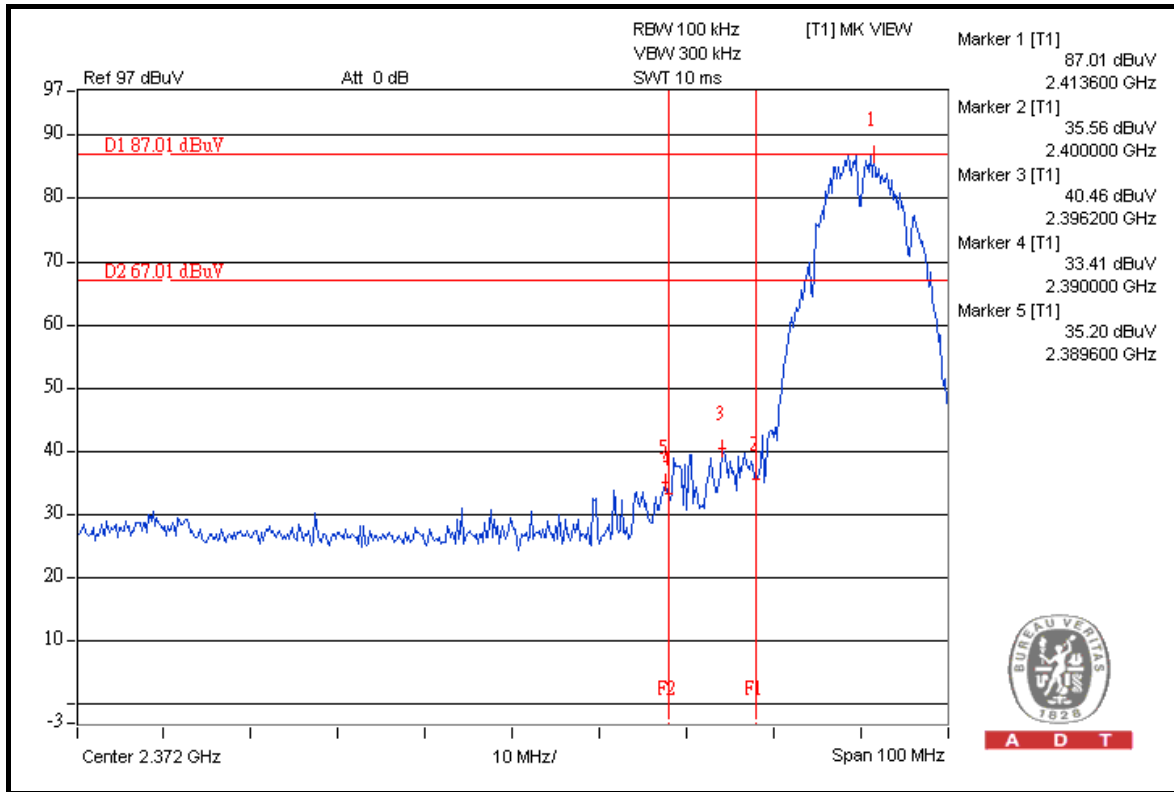
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	111.9	50.87	61.03	74.00
2462.00 (AV)	107.6	55.71	51.89	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

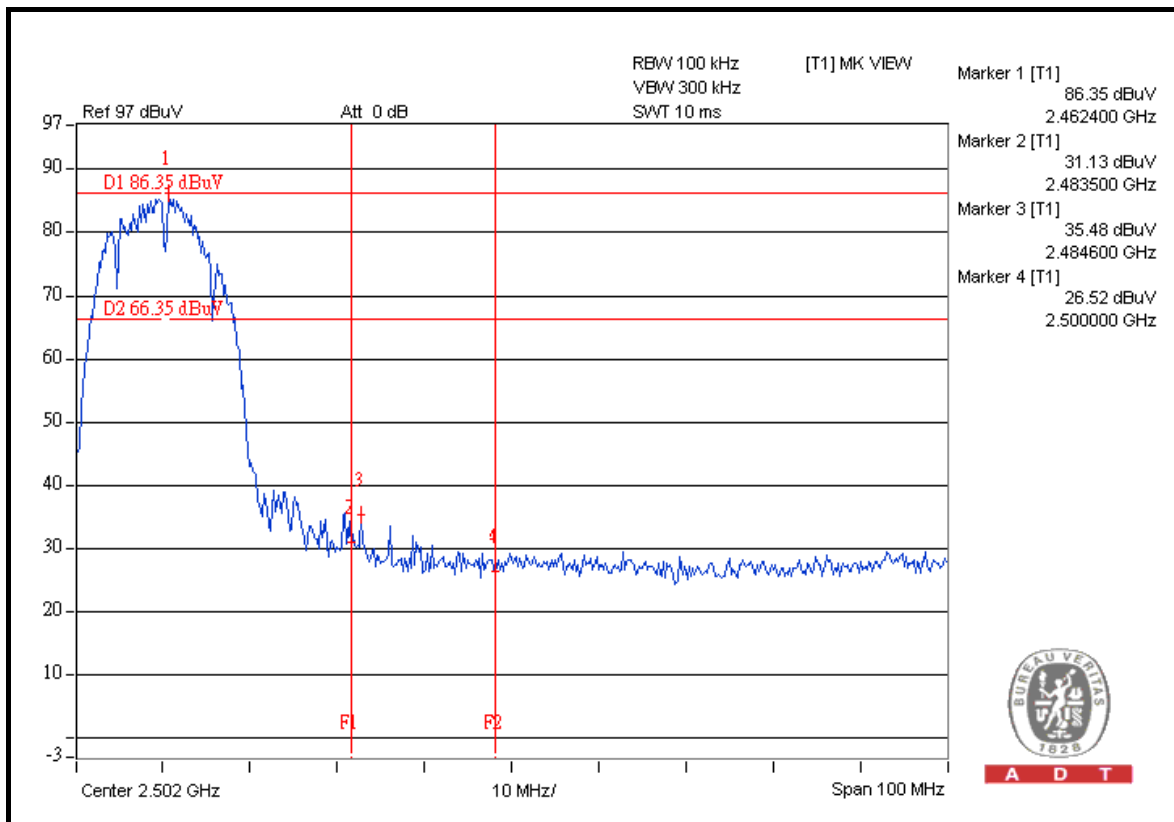
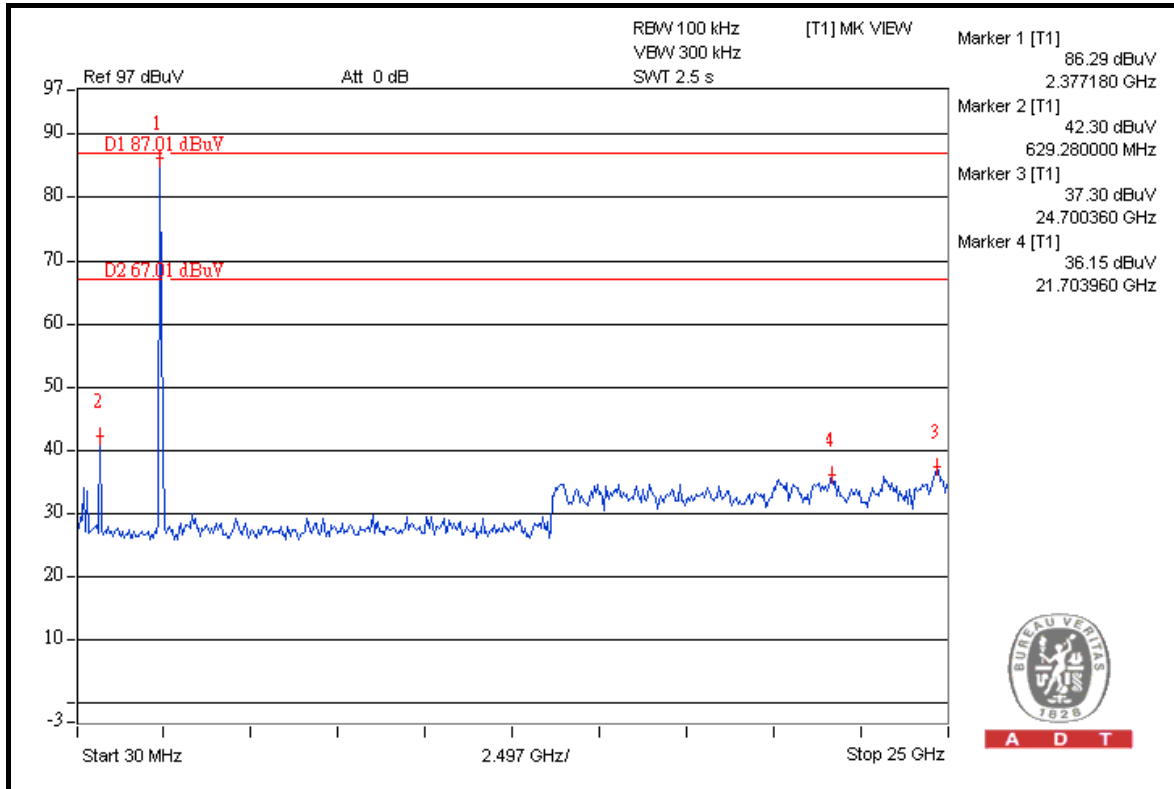


A D T



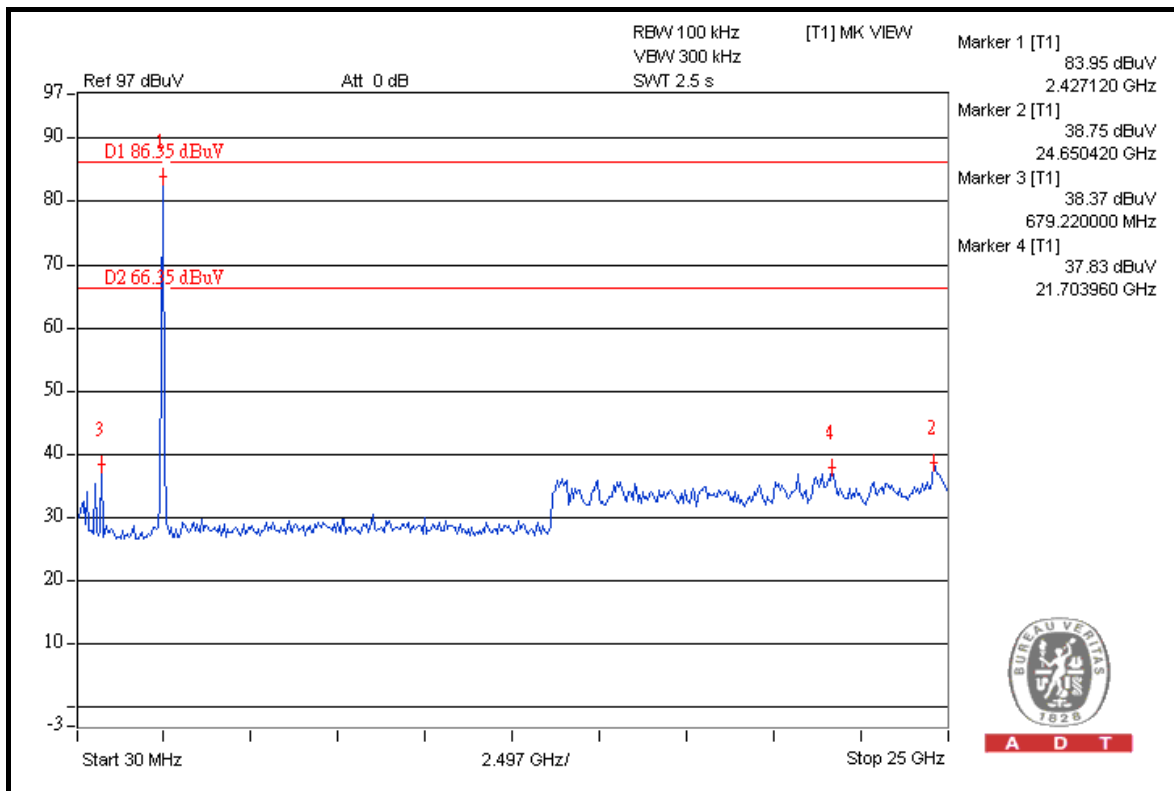
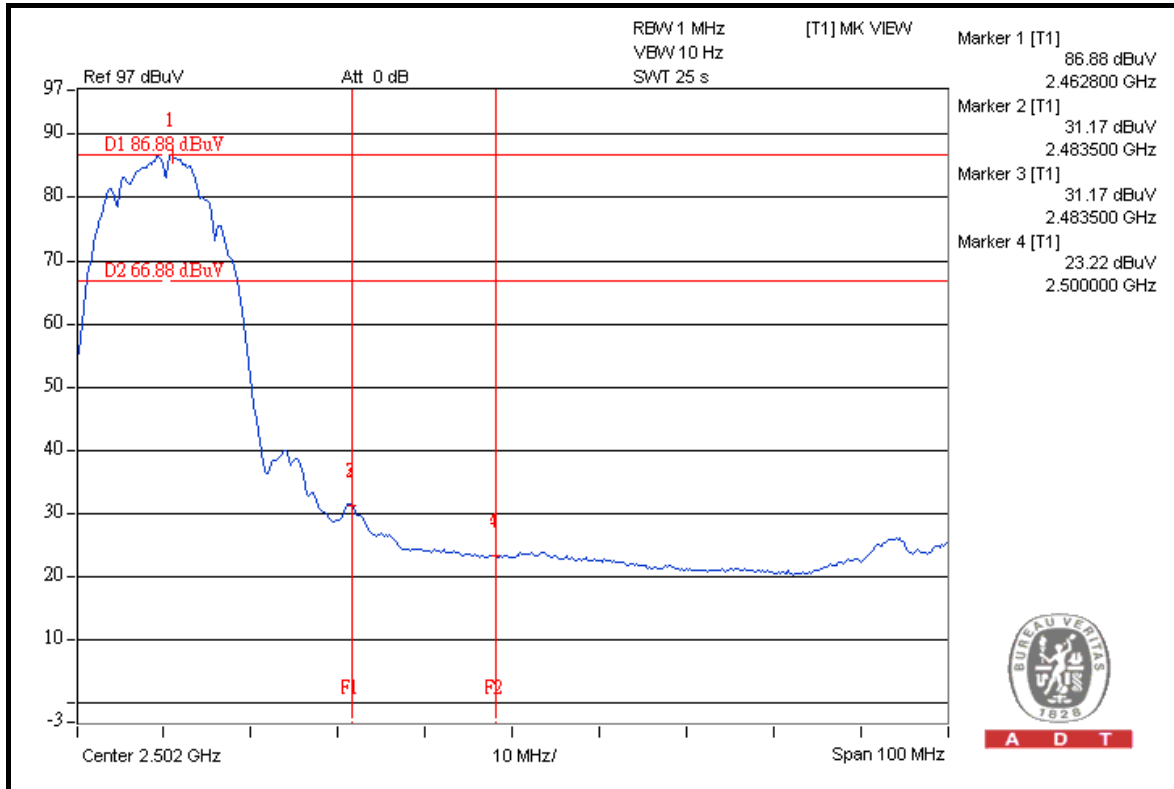


A D T





A D T





A D T

802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	110.1	39.97	70.13	74.00
2412.00 (AV)	97.5	46.01	51.49	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

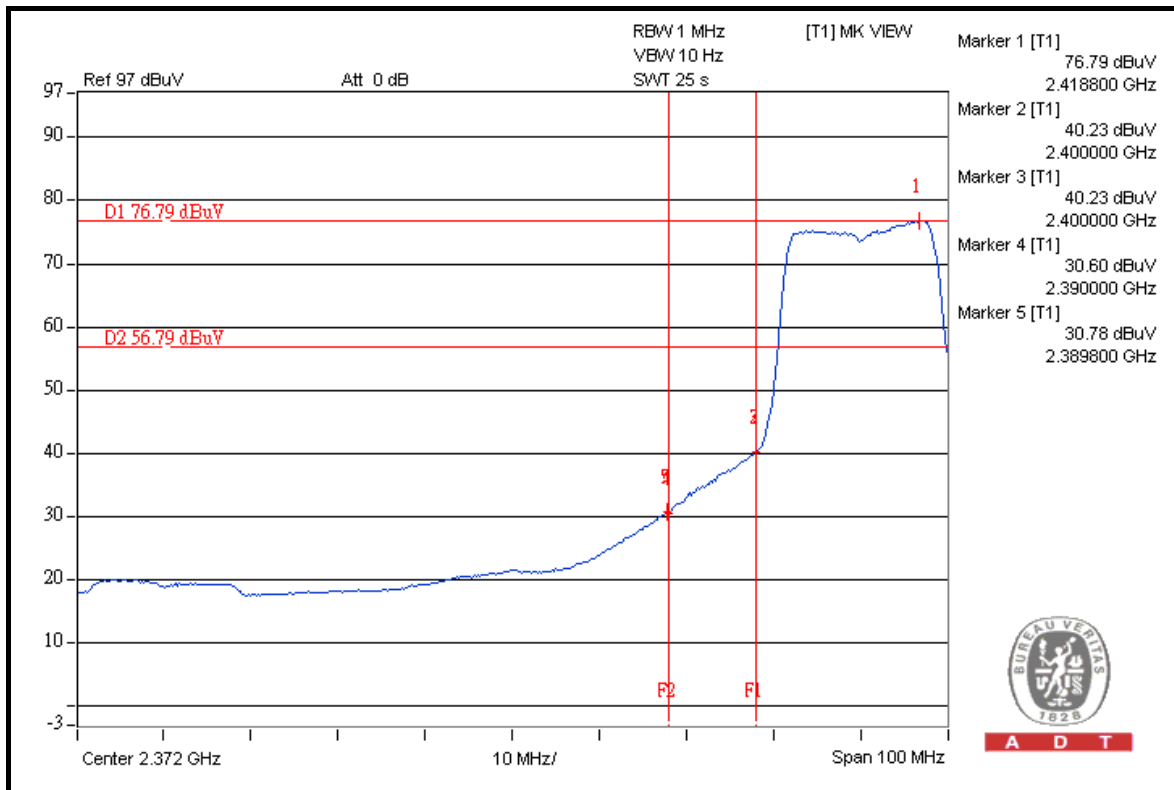
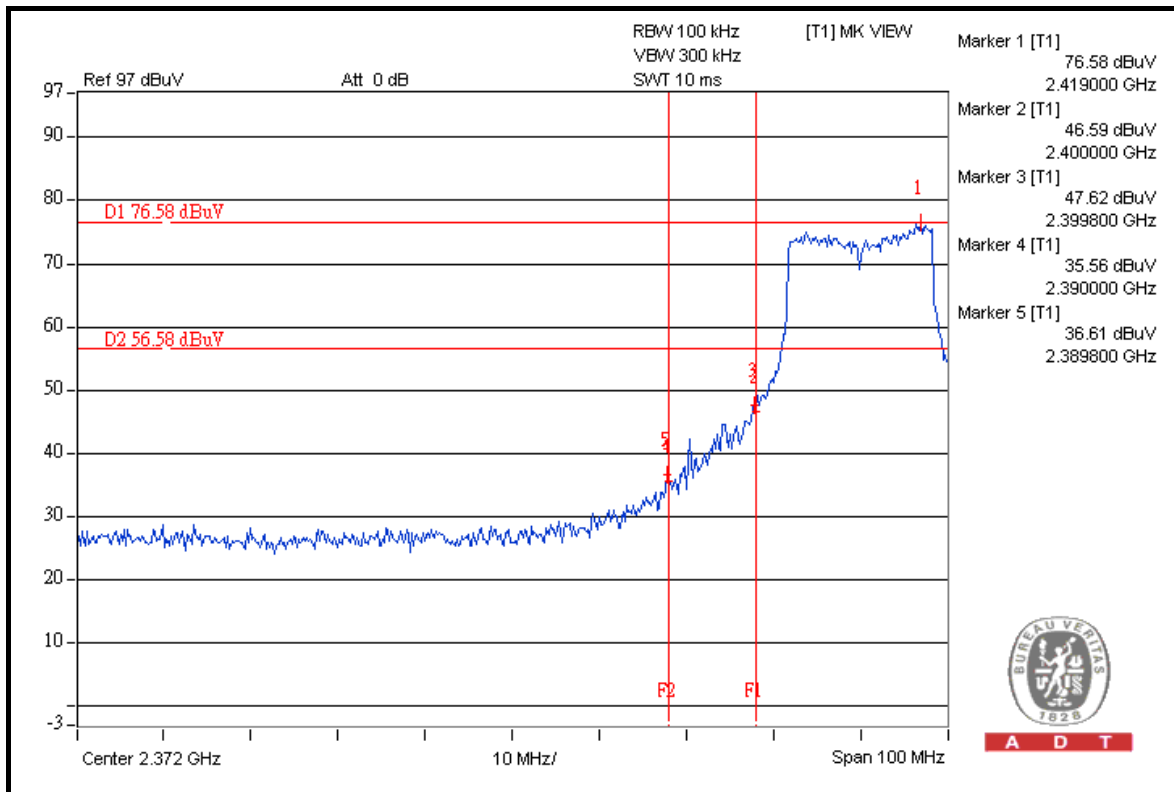
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	110.5	40.1	70.40	74.00
2462.00 (AV)	97.9	45.83	52.07	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

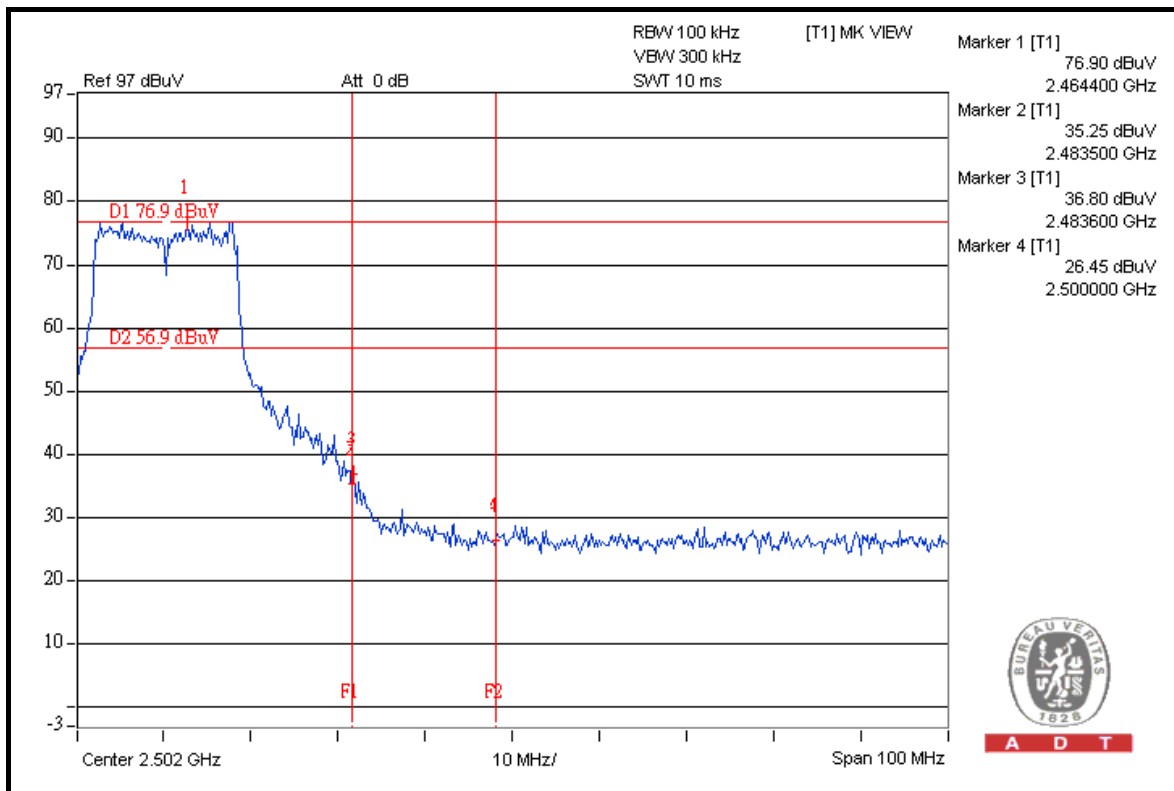
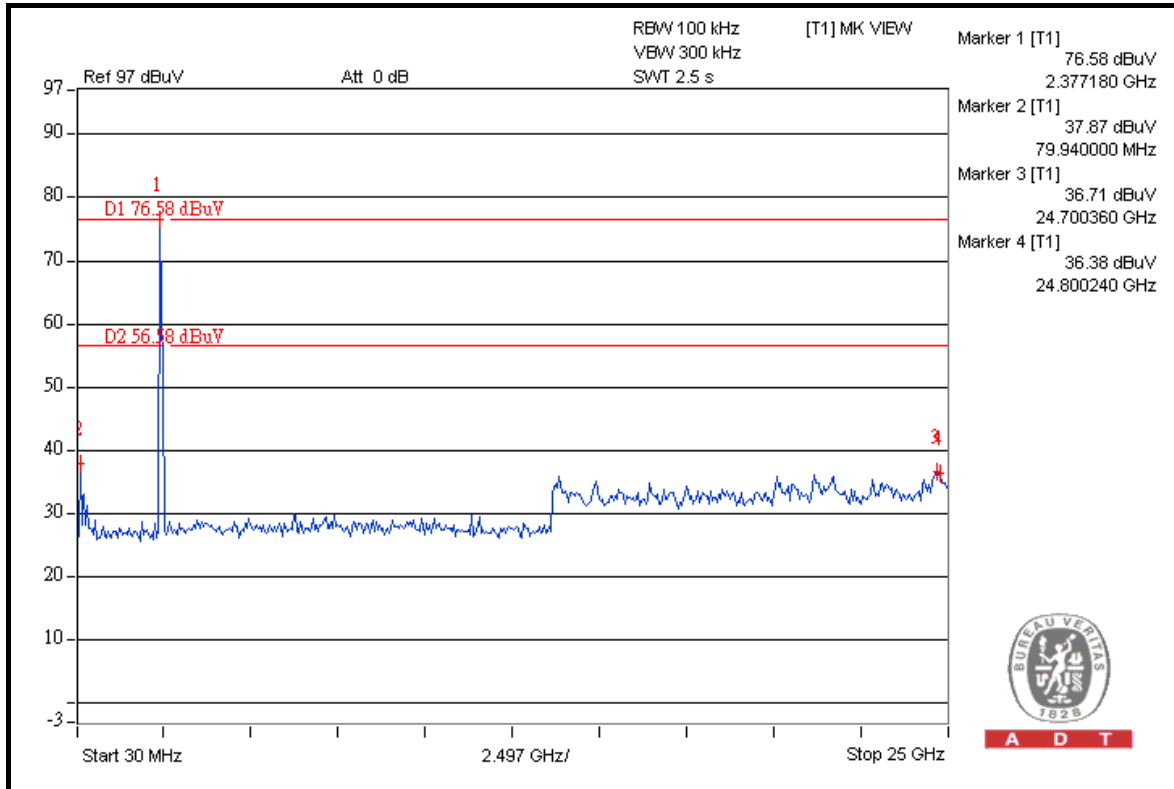


A D T



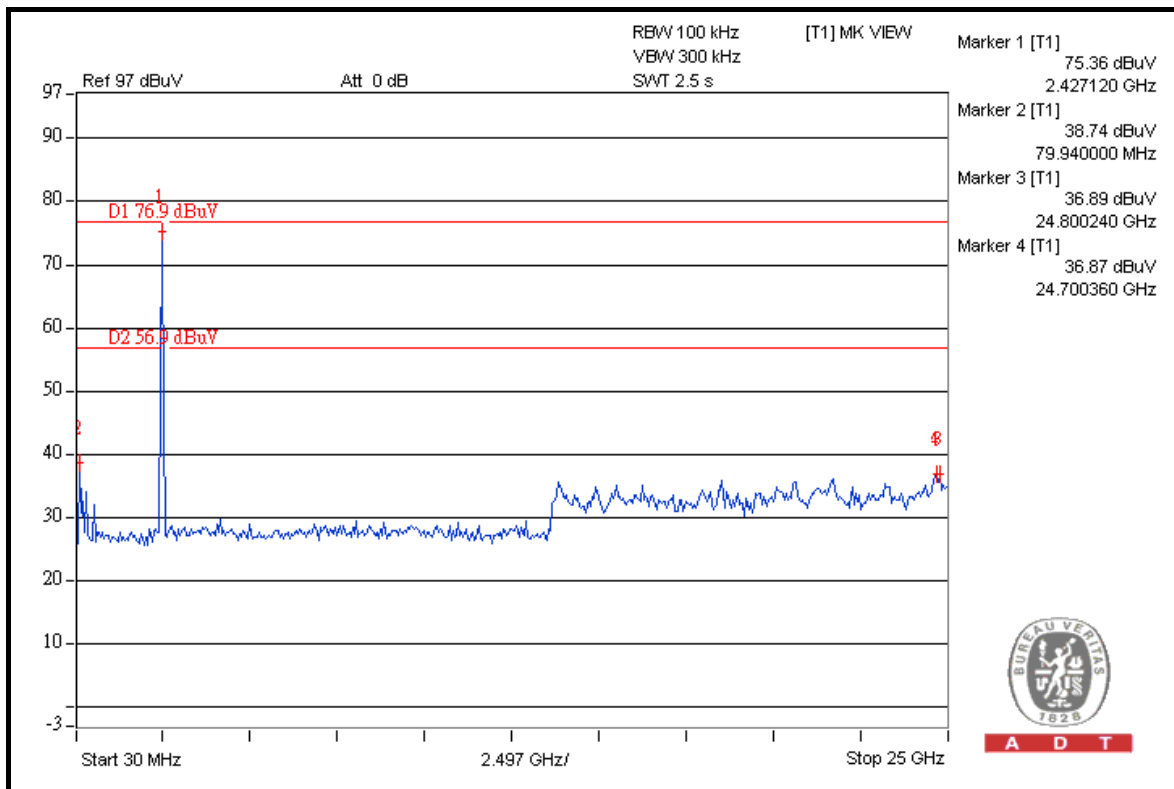
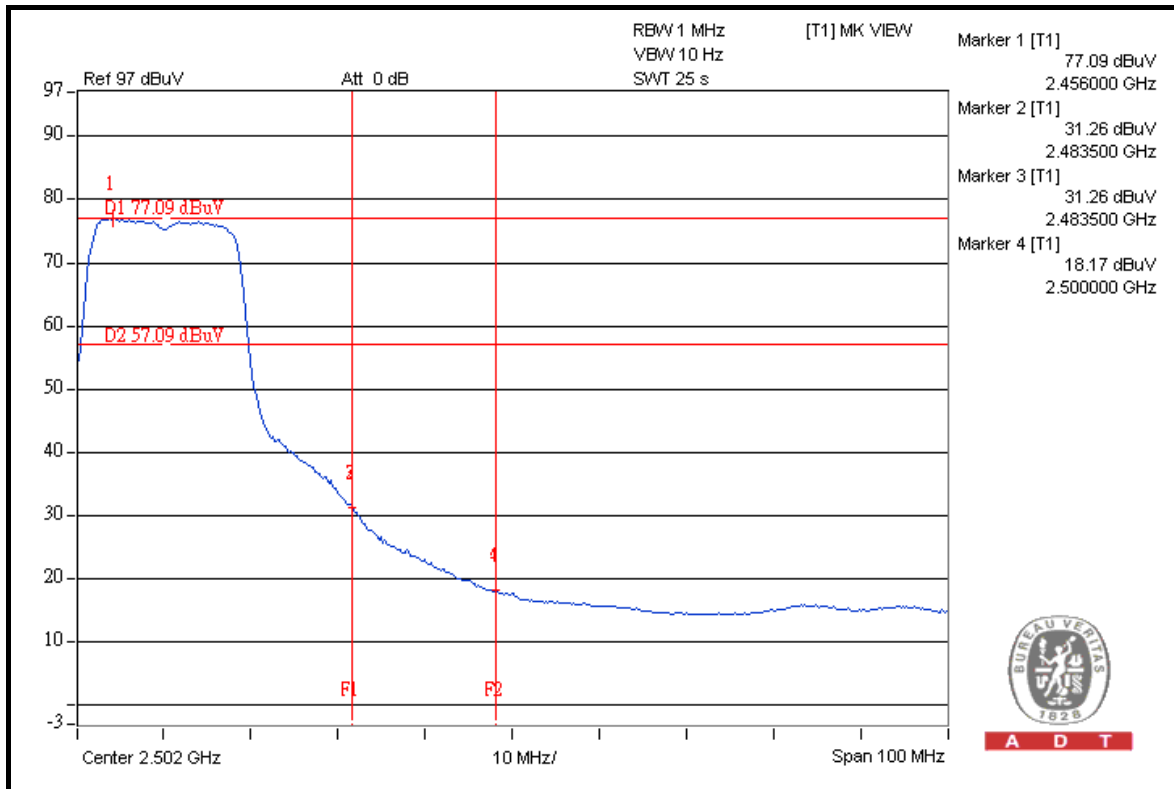


A D T





A D T





A D T

802.11n (20MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	112.0	45.19	66.81	74.00
2412.00 (AV)	99.5	48.23	51.27	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

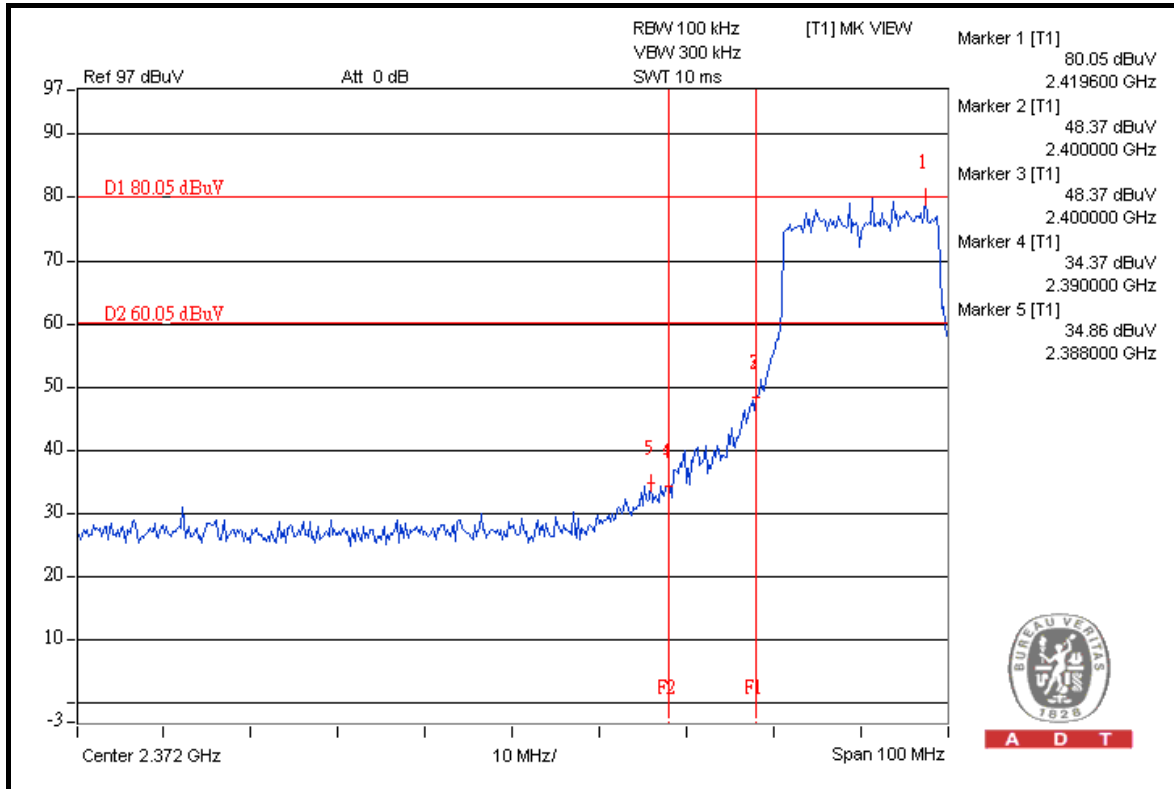
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	109.9	41.47	68.43	74.00
2462.00 (AV)	97.4	46.31	51.09	54.00

NOTE:

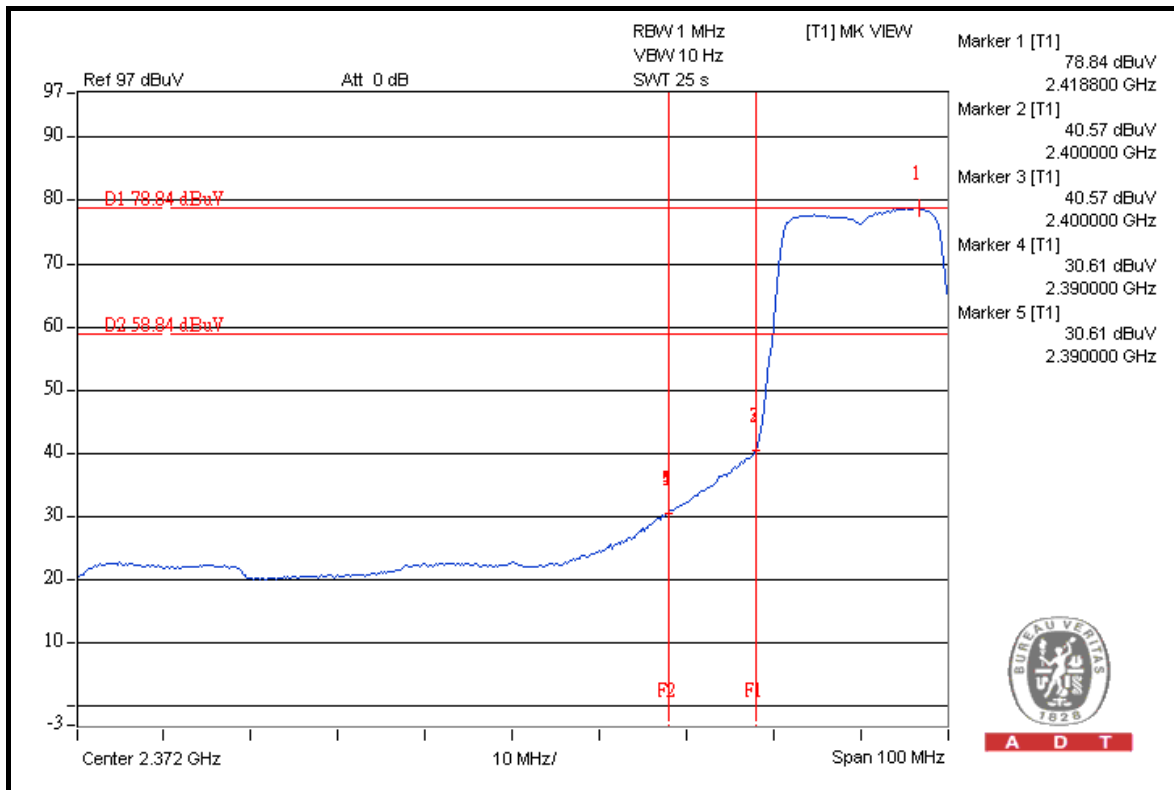
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.



A D T



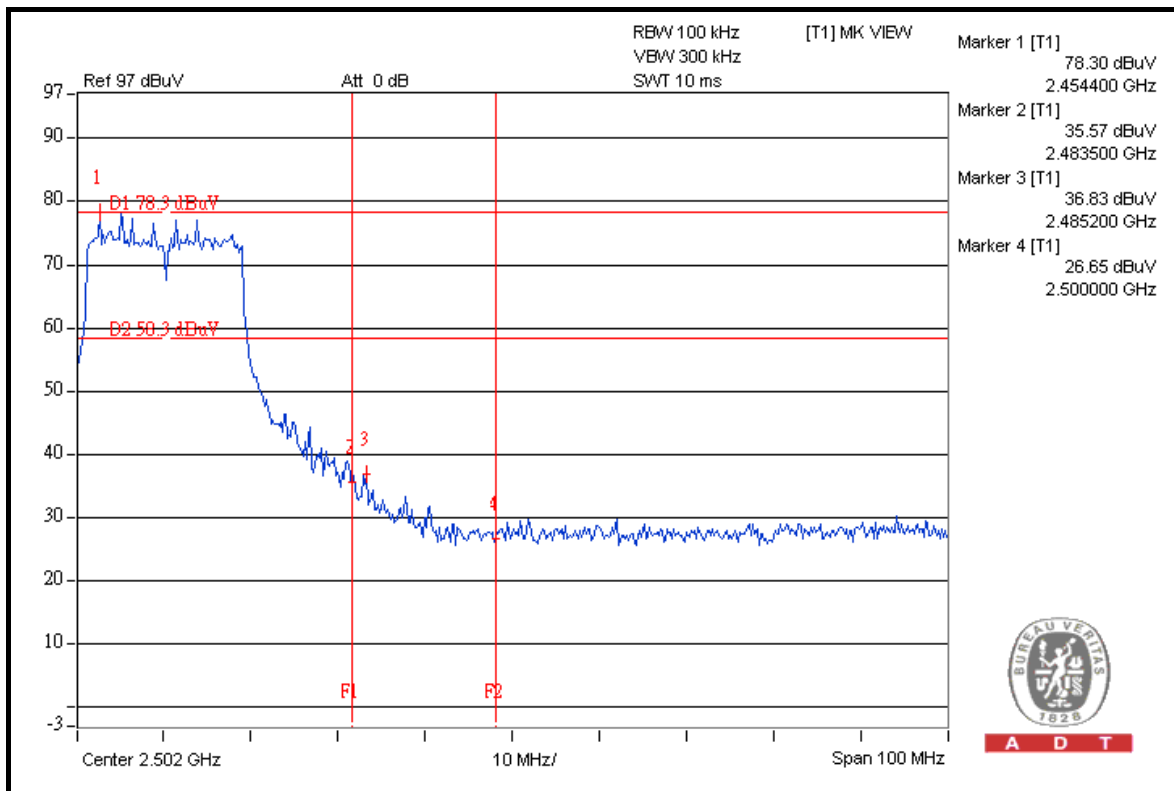
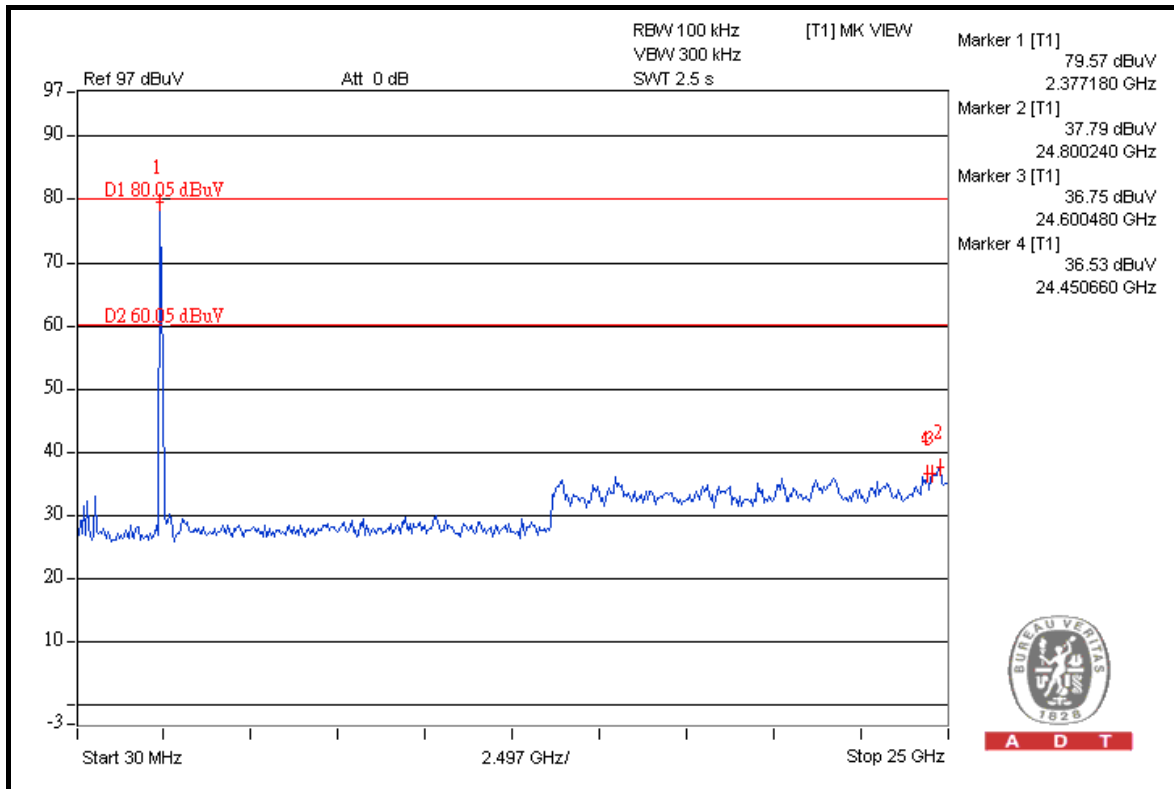
A D T



A D T

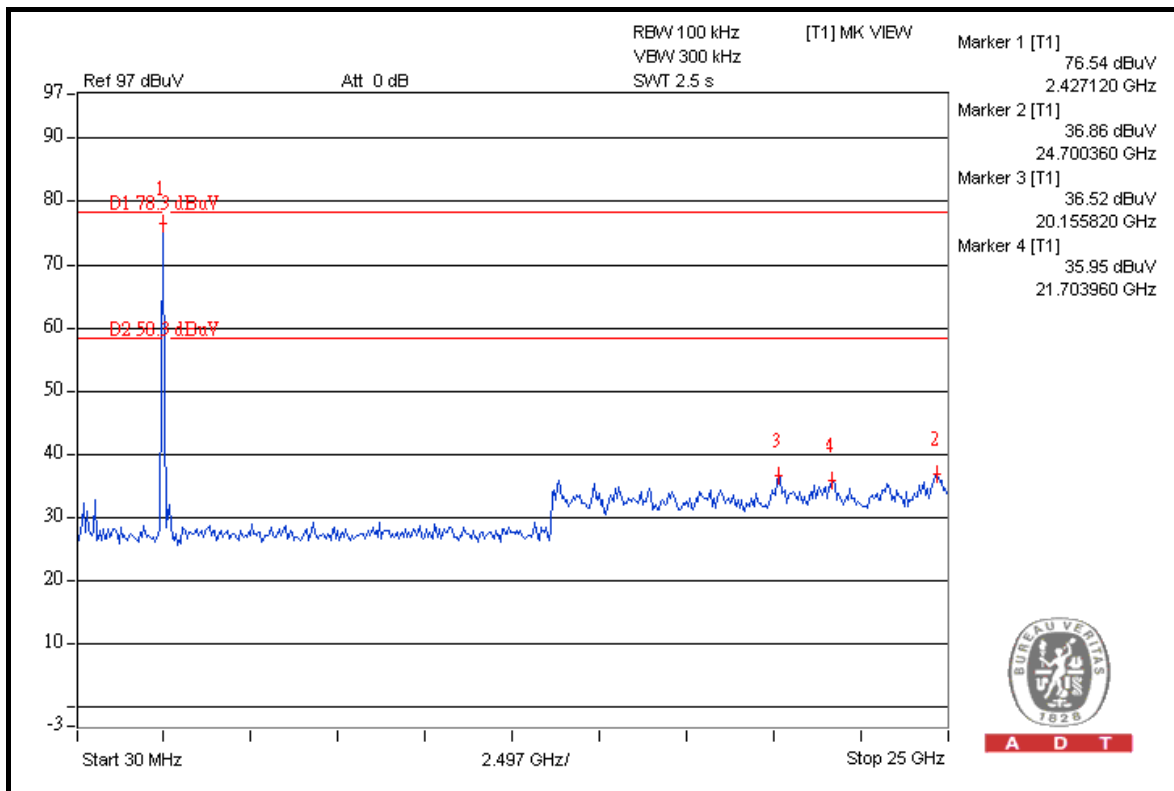
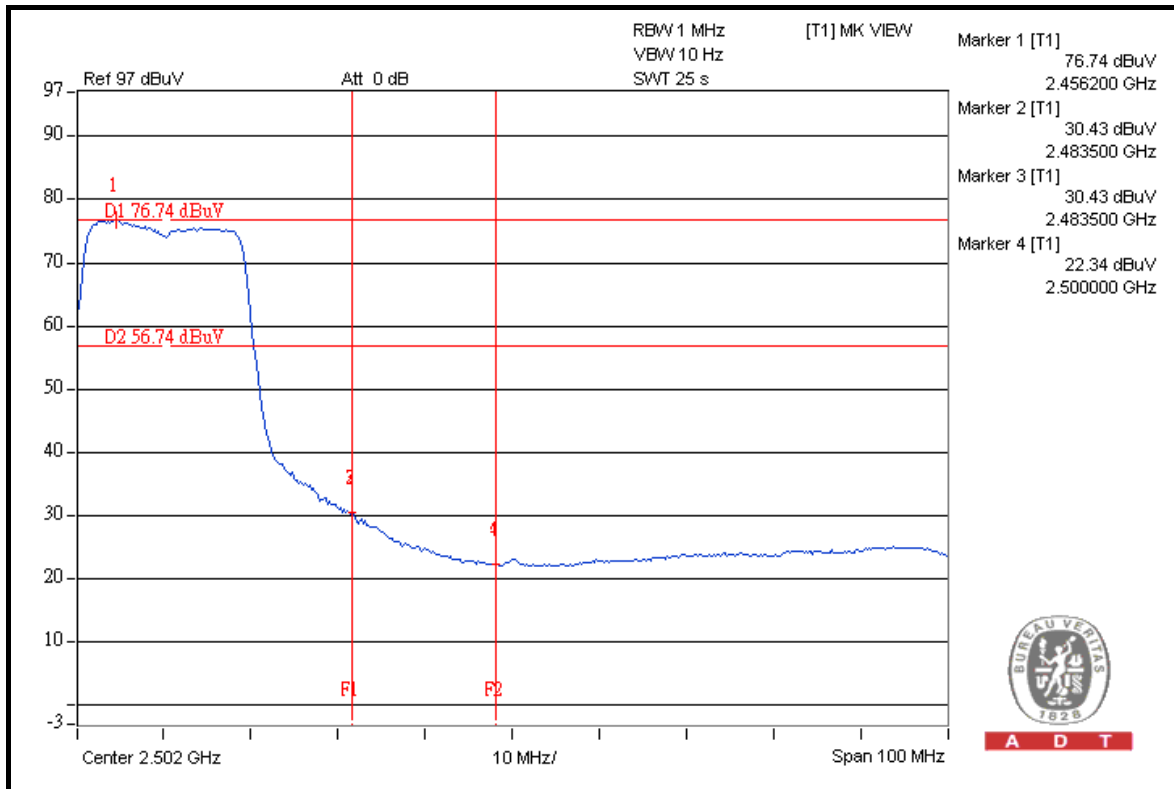


A D T





A D T





A D T

802.11n (40MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	106.5	38.99	67.51	74.00
2422.00 (AV)	93.1	41.62	51.48	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

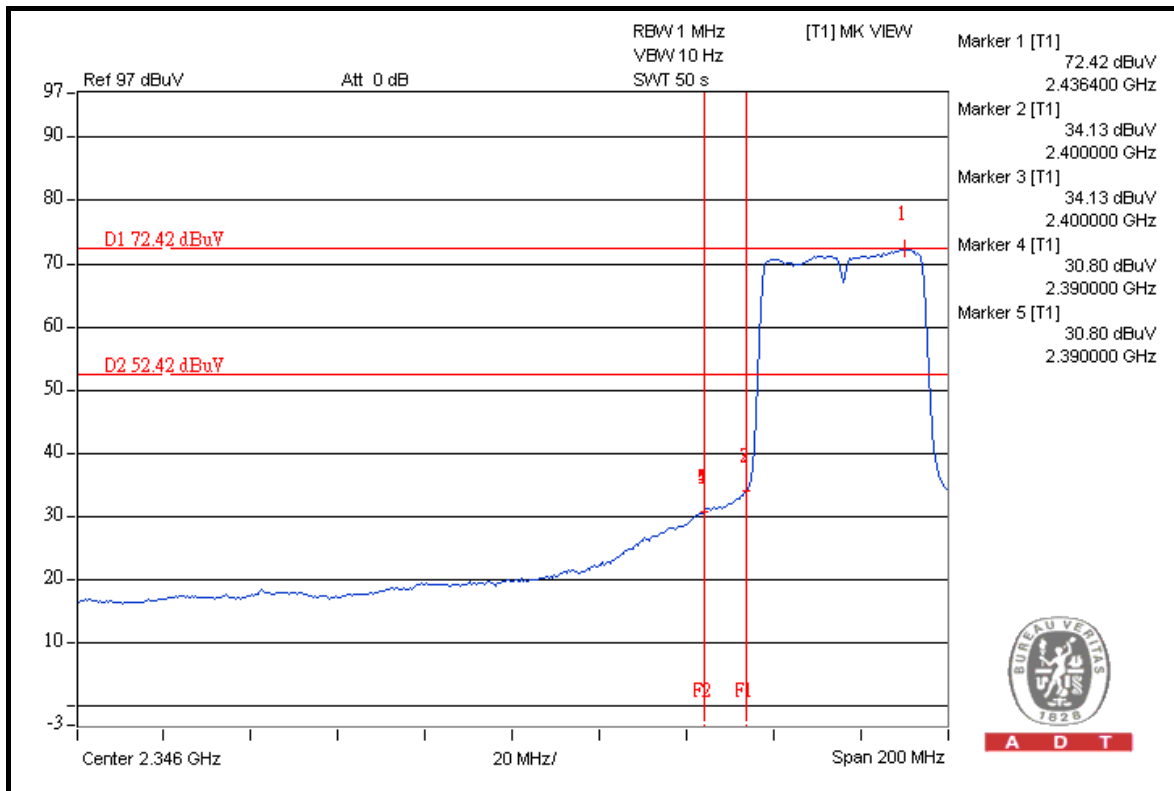
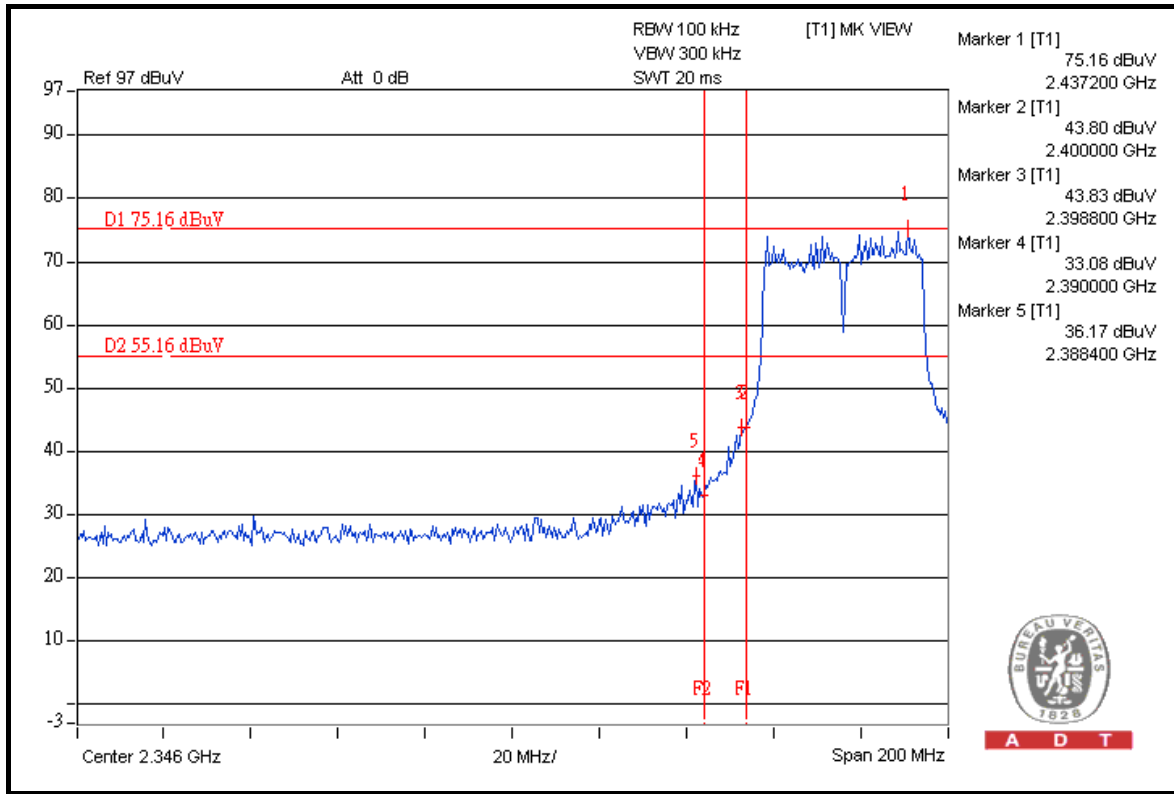
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	105.4	32.45	72.95	74.00
2452.00 (AV)	93.1	40.85	52.25	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

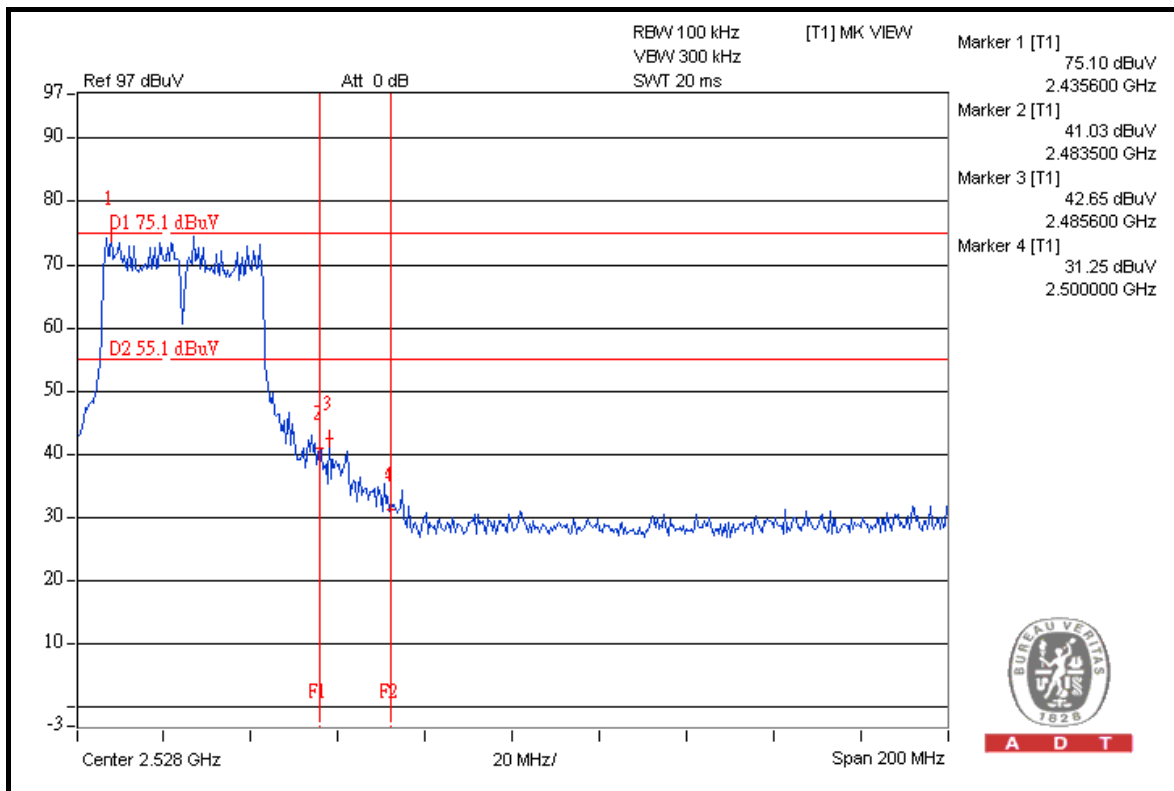
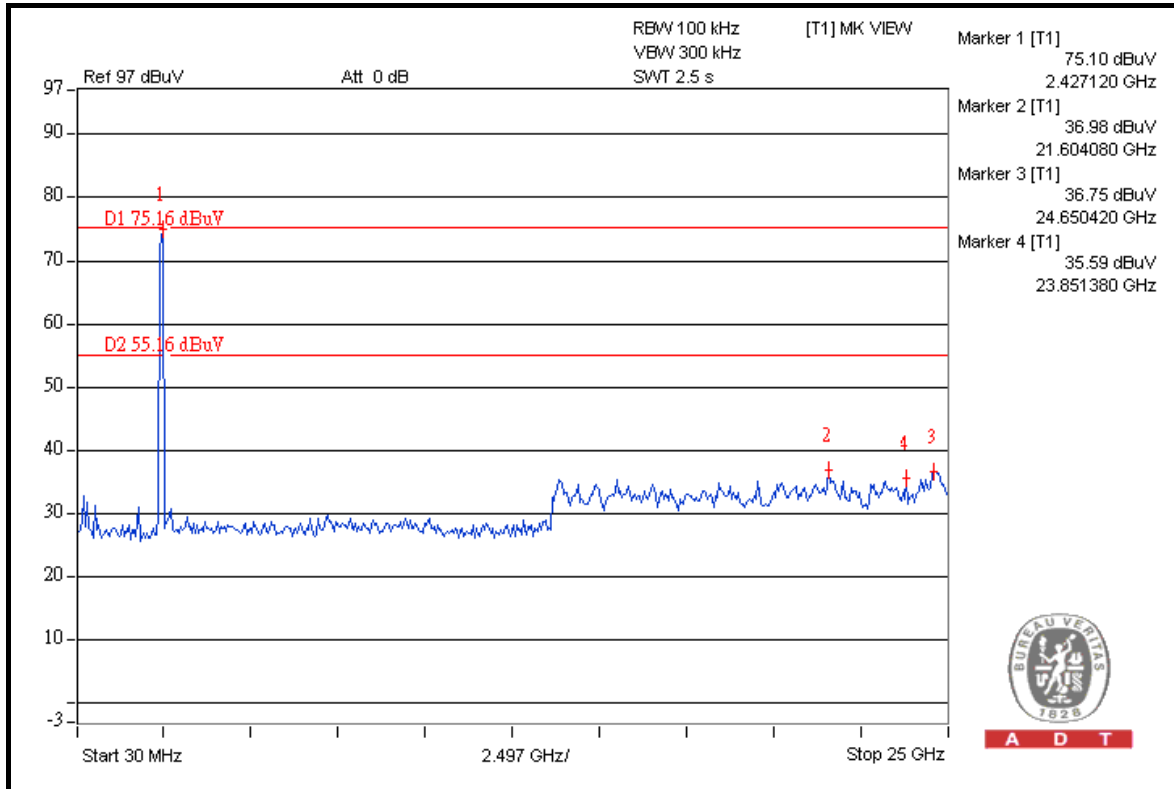


A D T



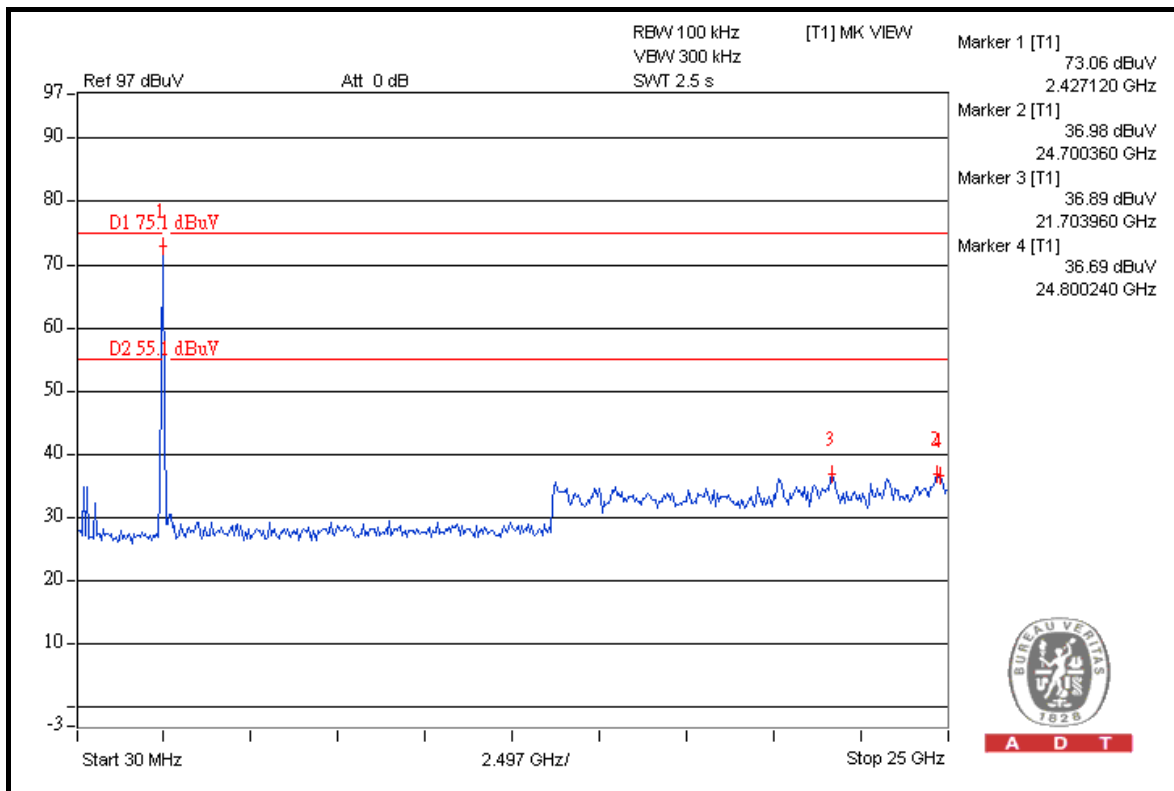
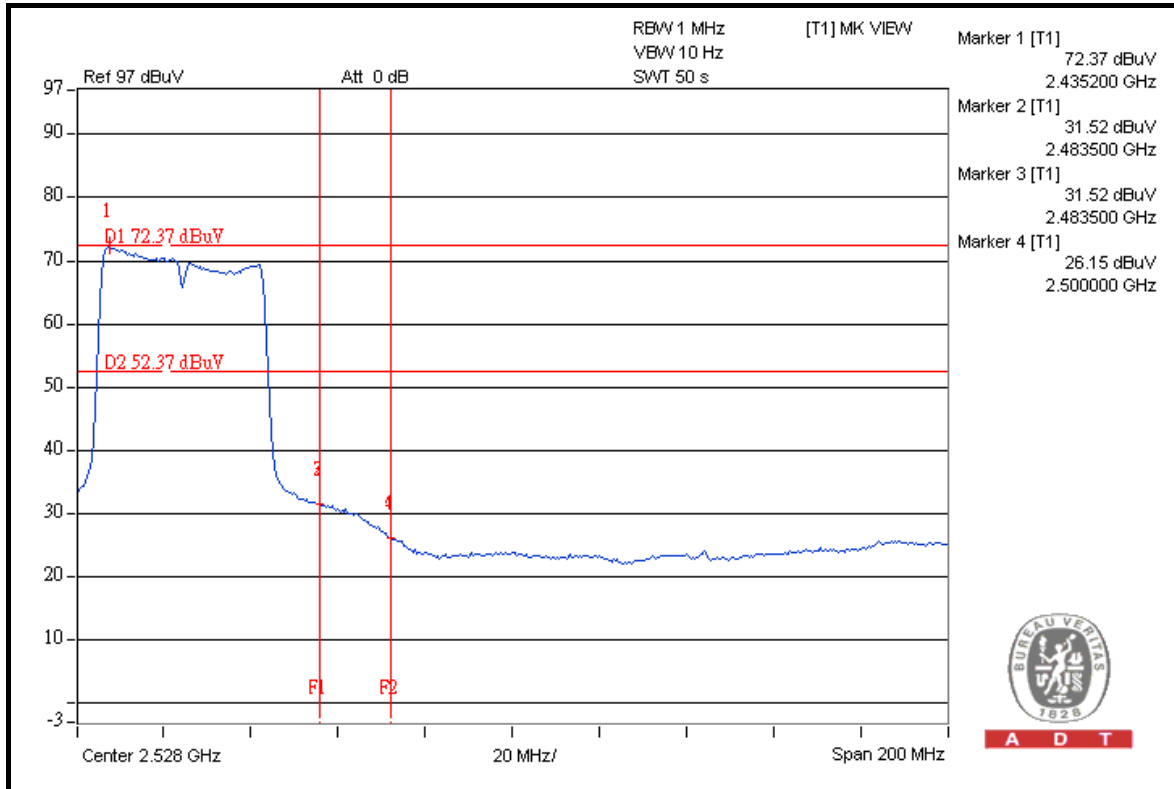


A D T





A D T





4.6.8 TEST RESULTS (TEST MODE B 1)

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	114.8	52.94	61.86	74.00
2412.00 (AV)	110.7	57.89	52.81	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

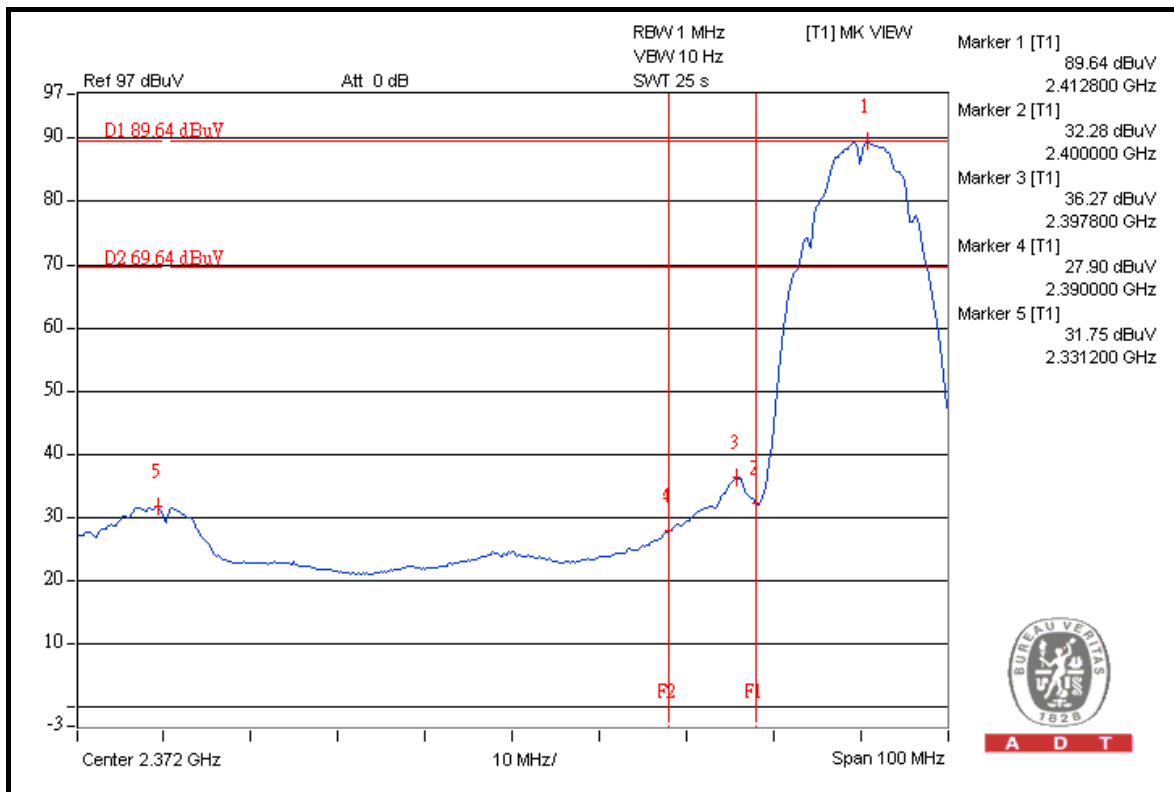
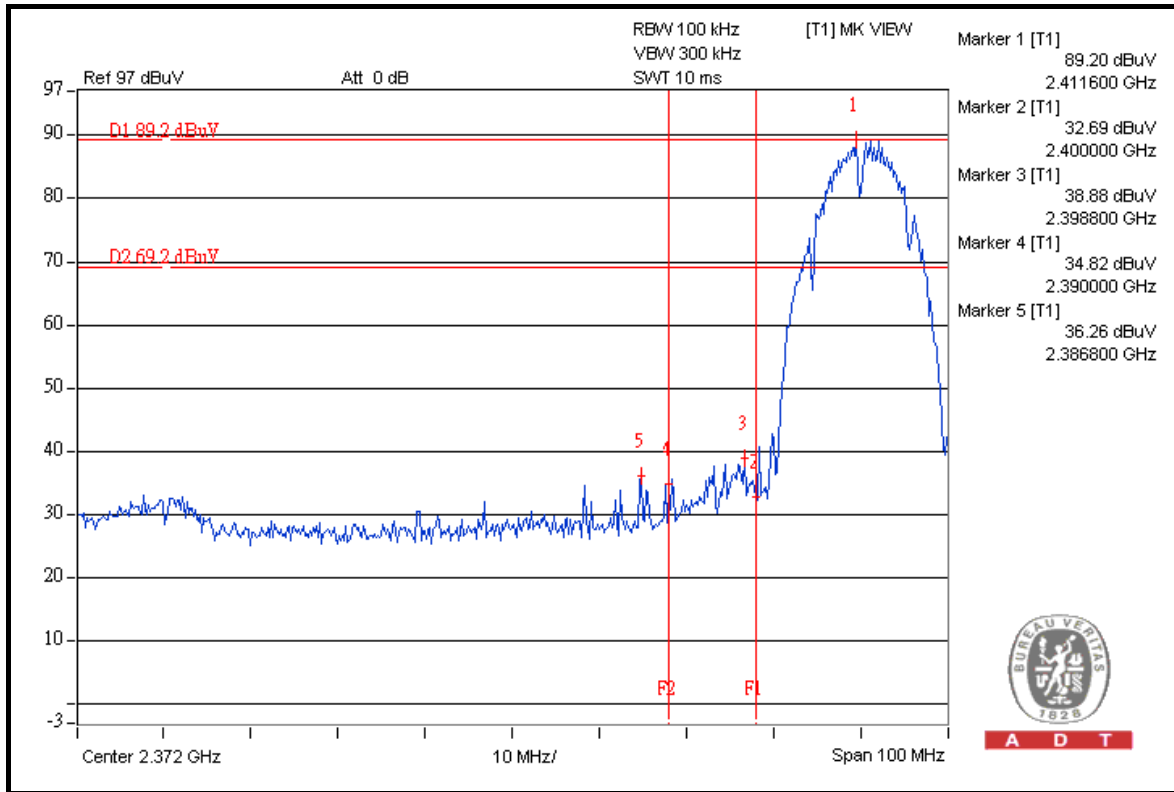
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.1	54.95	58.15	74.00
2462.00 (AV)	109.4	61.25	48.15	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

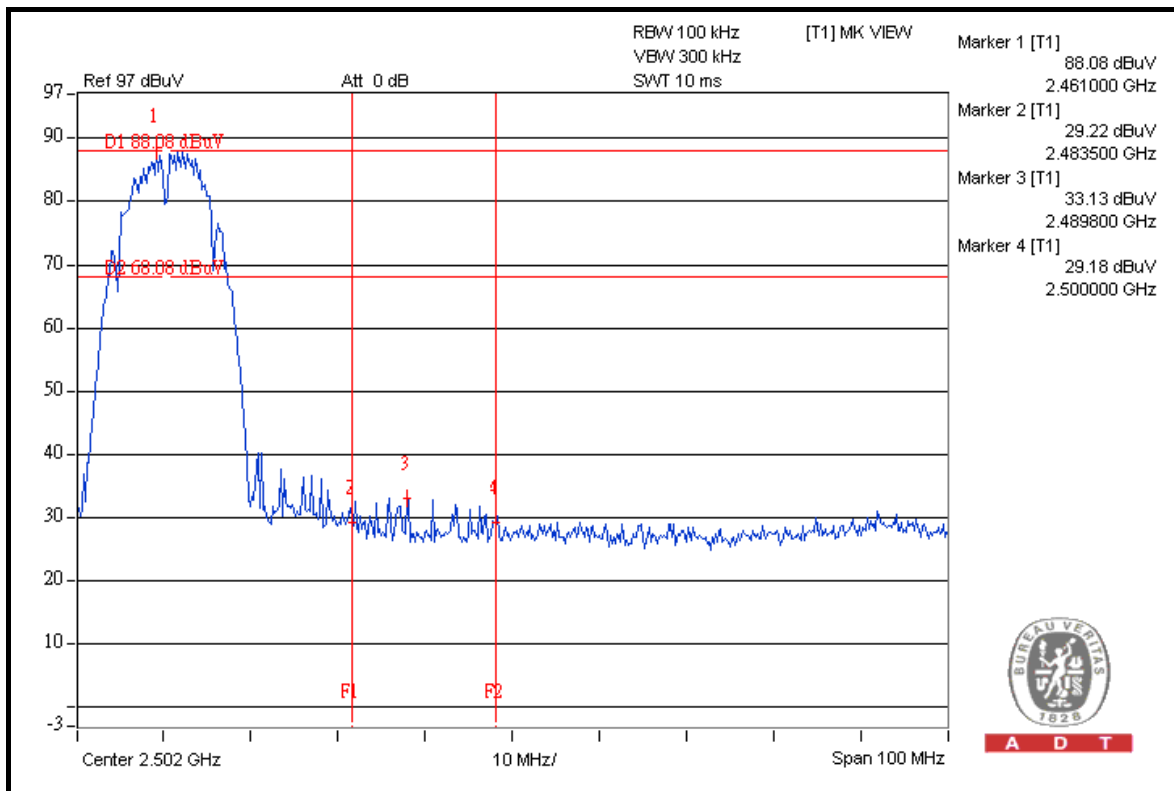
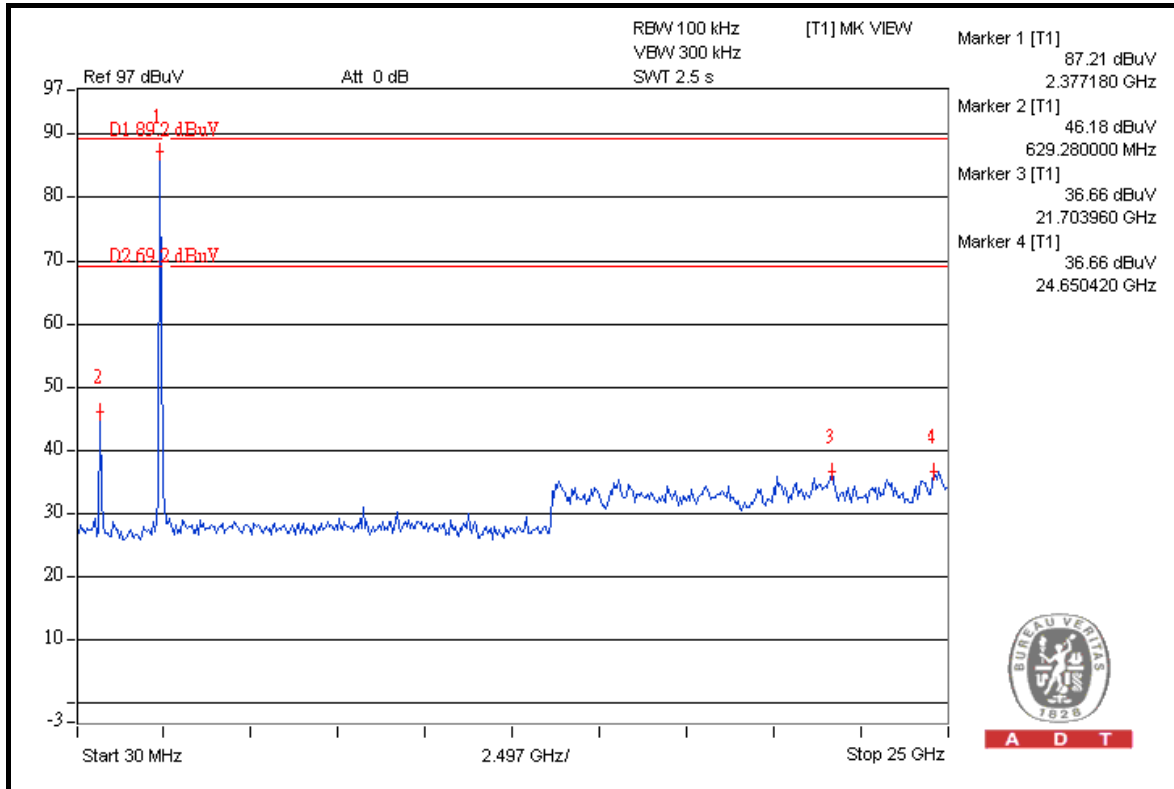


A D T



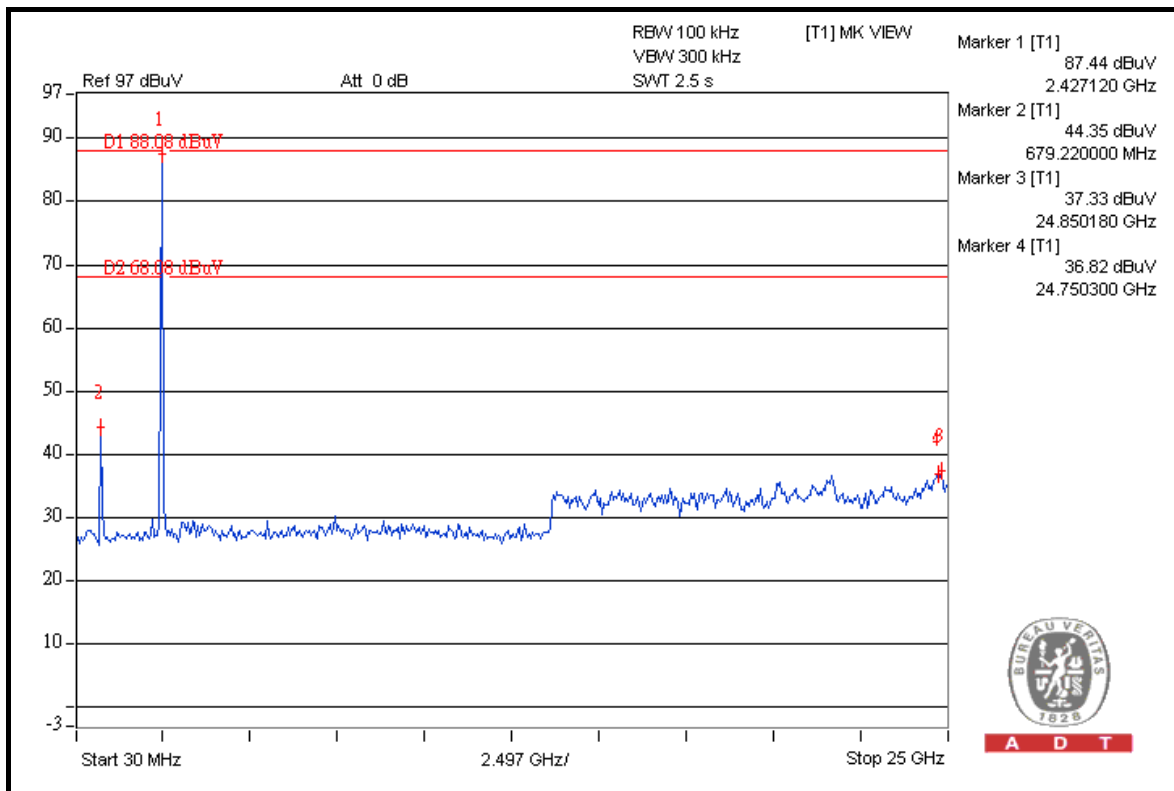
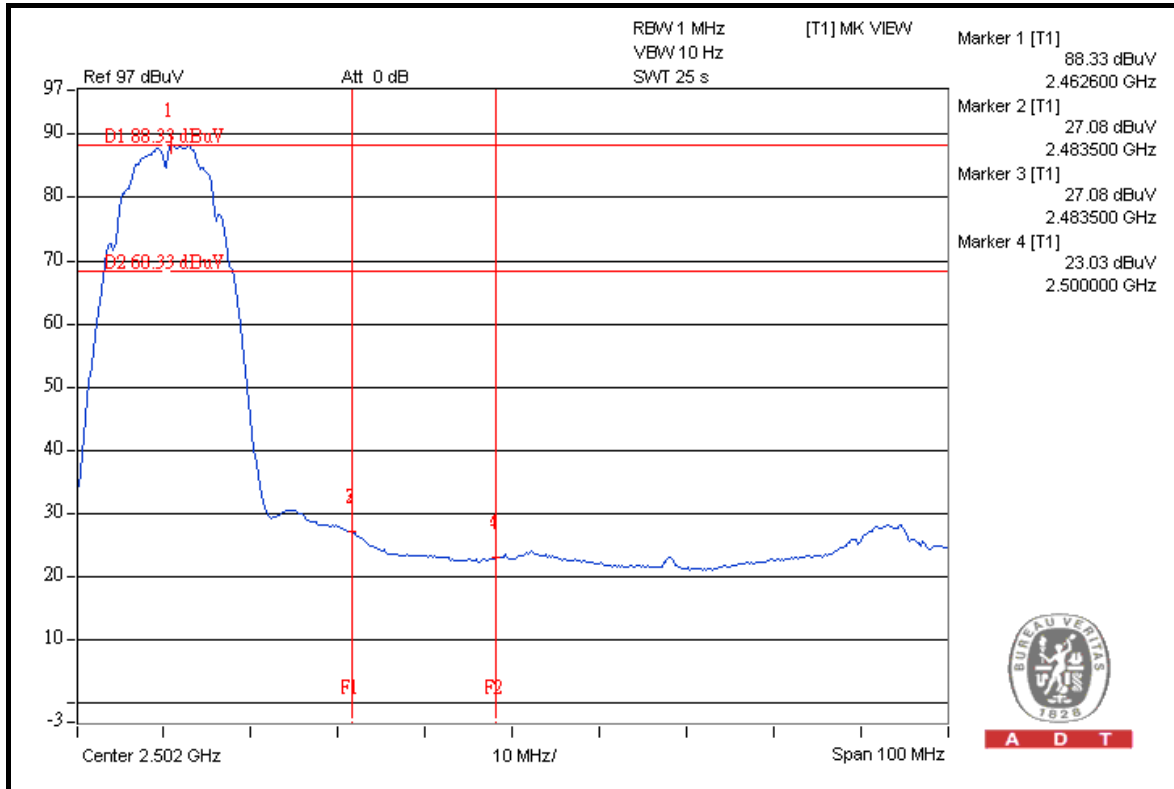


A D T





A D T





A D T

802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	114.2	47.04	67.16	74.00
2412.00 (AV)	102.1	50.88	51.22	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

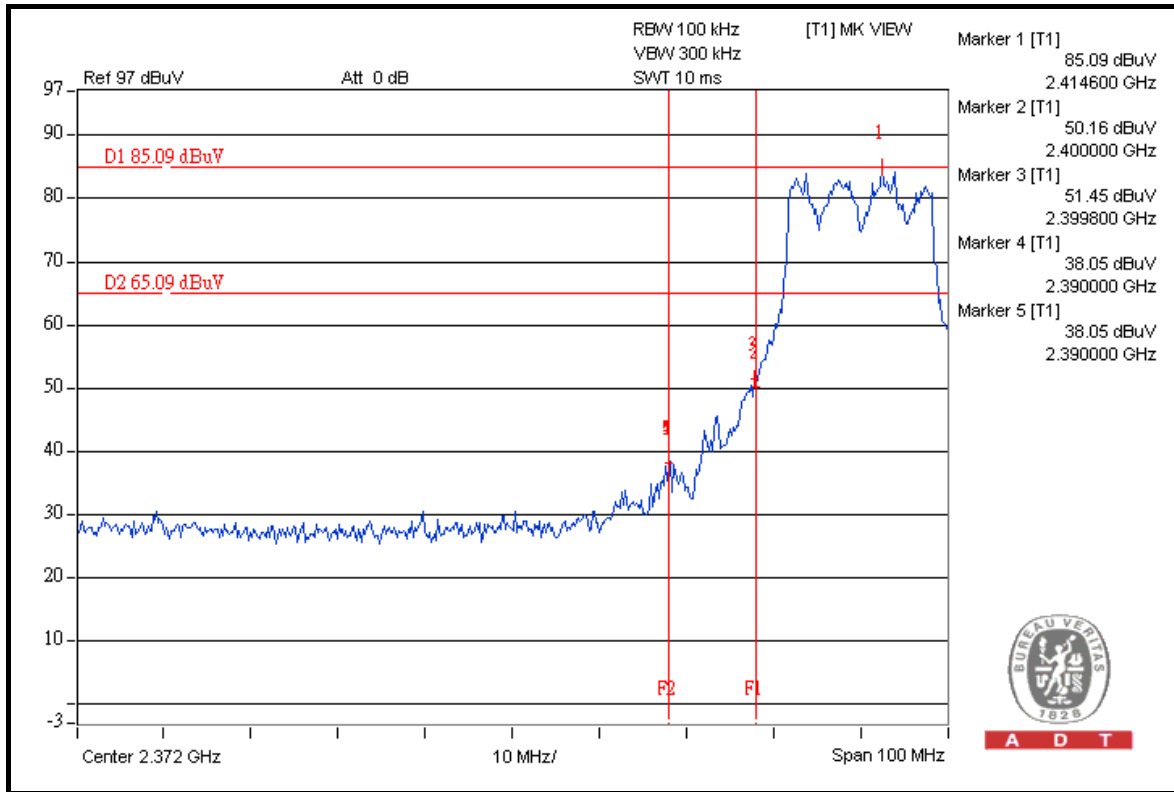
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.8	47.96	65.84	74.00
2462.00 (AV)	101.7	50.98	50.72	54.00

NOTE:

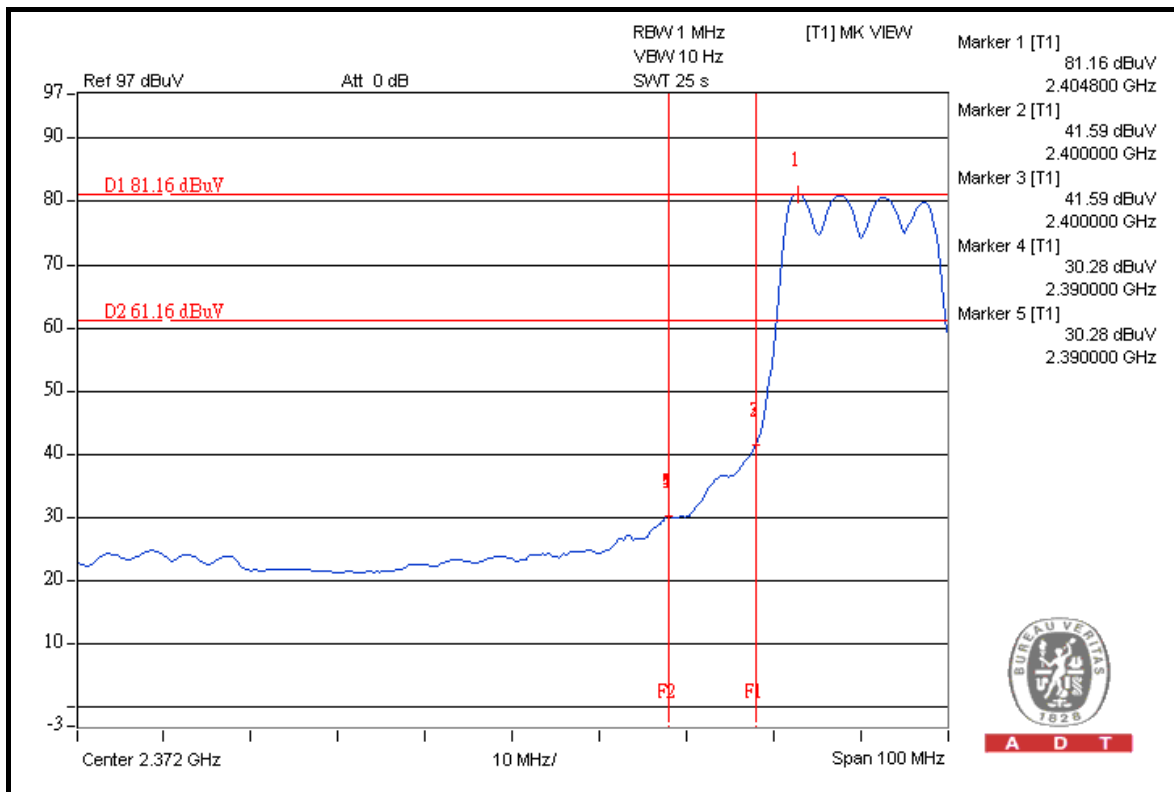
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.



A D T



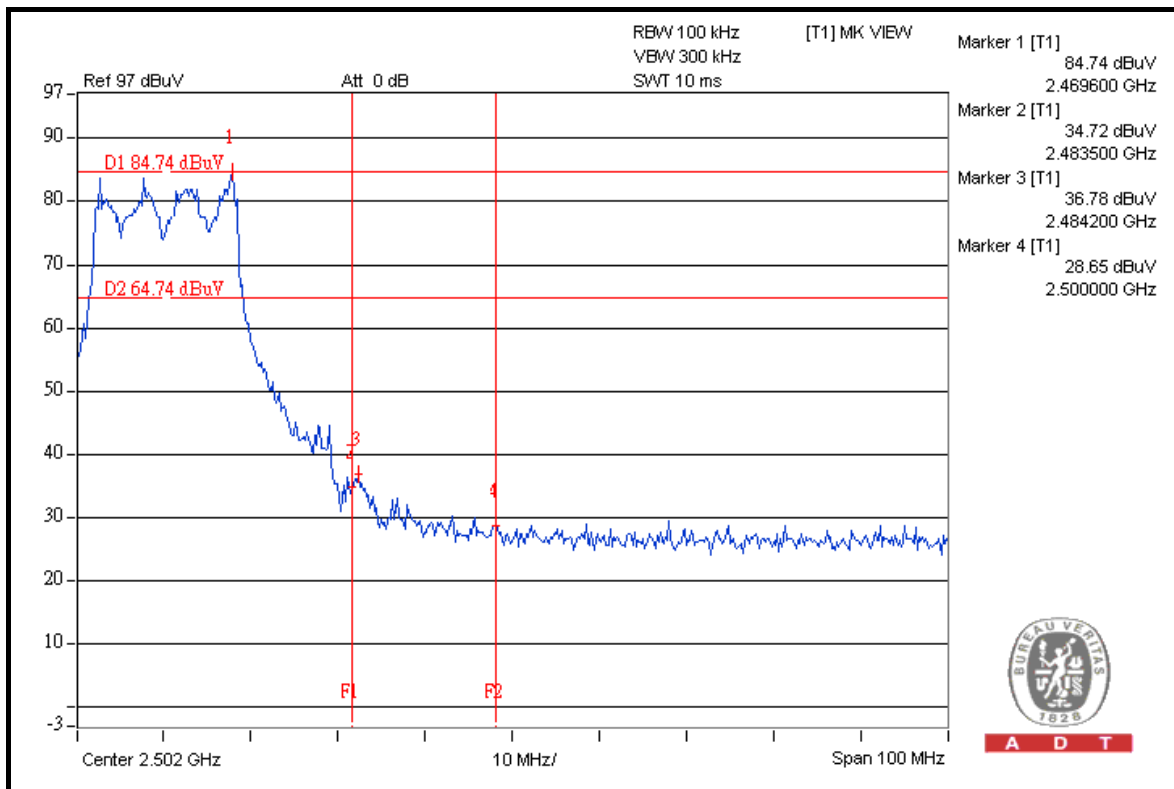
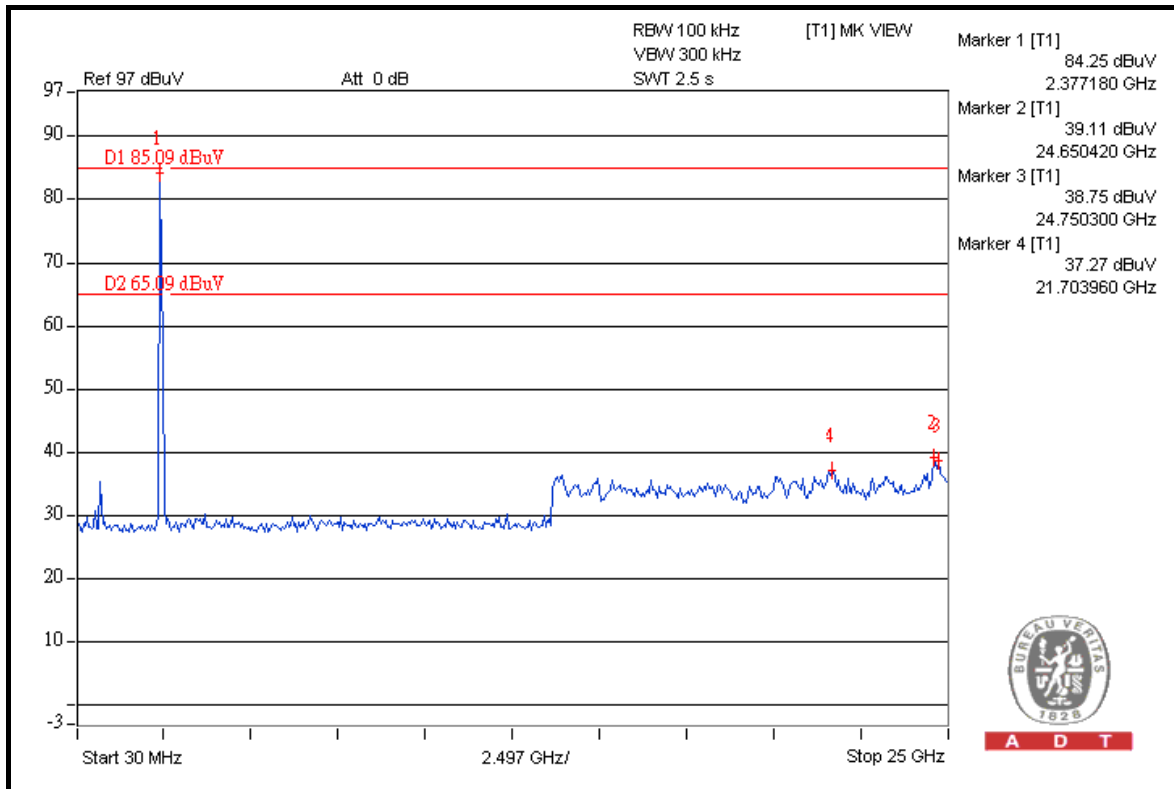
A D T



A D T

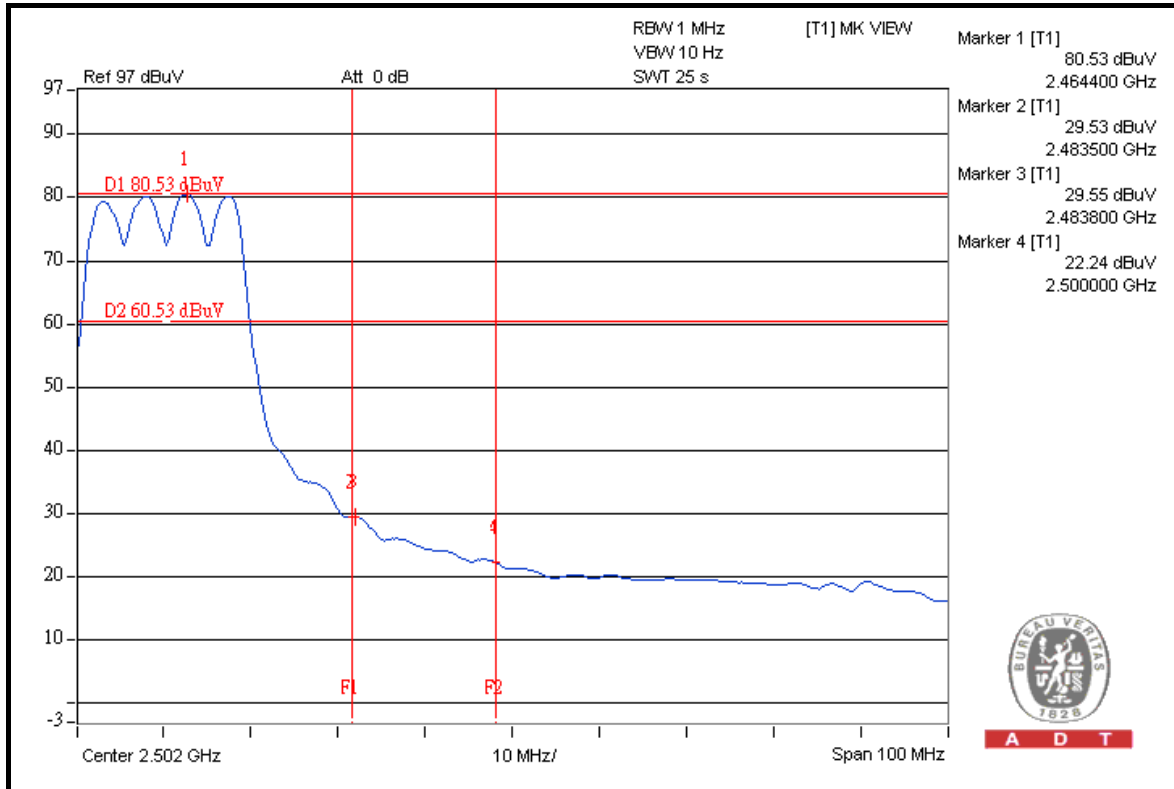


A D T

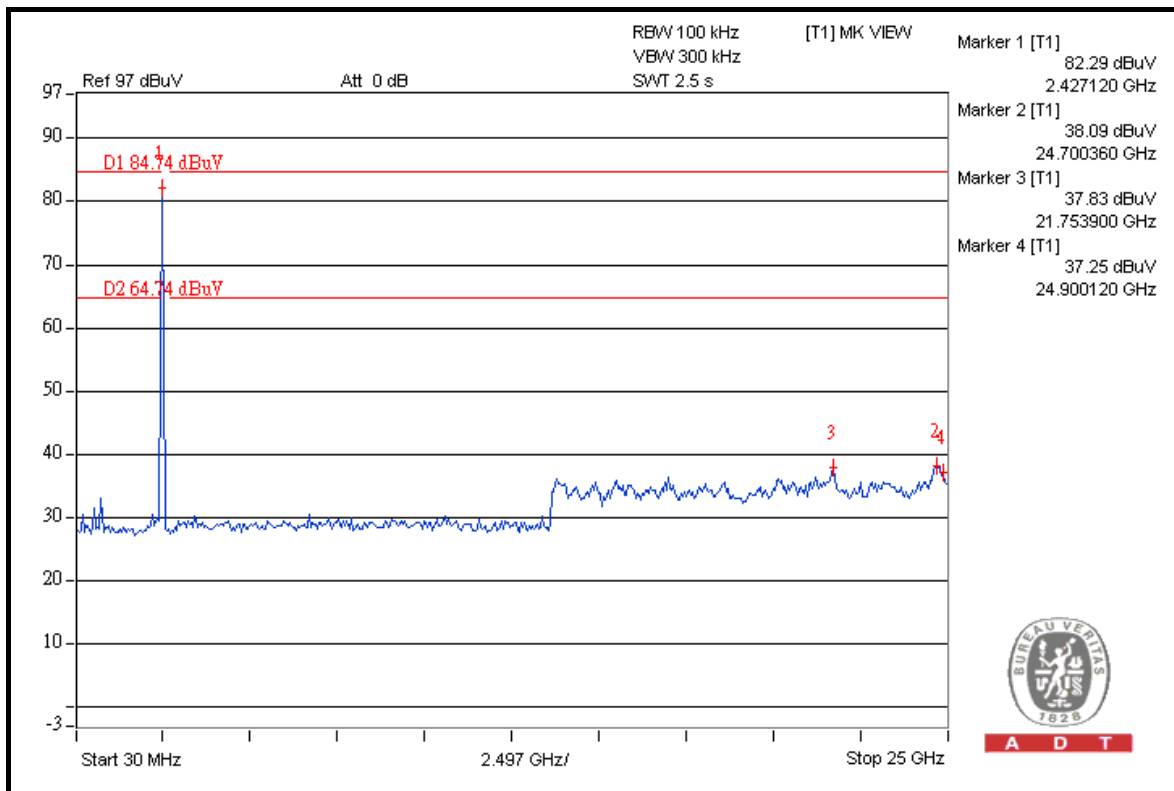




A D T



A D T



A D T



A D T

802.11n (20MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	113.5	50.09	63.41	74.00
2412.00 (AV)	101.2	51.89	49.31	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

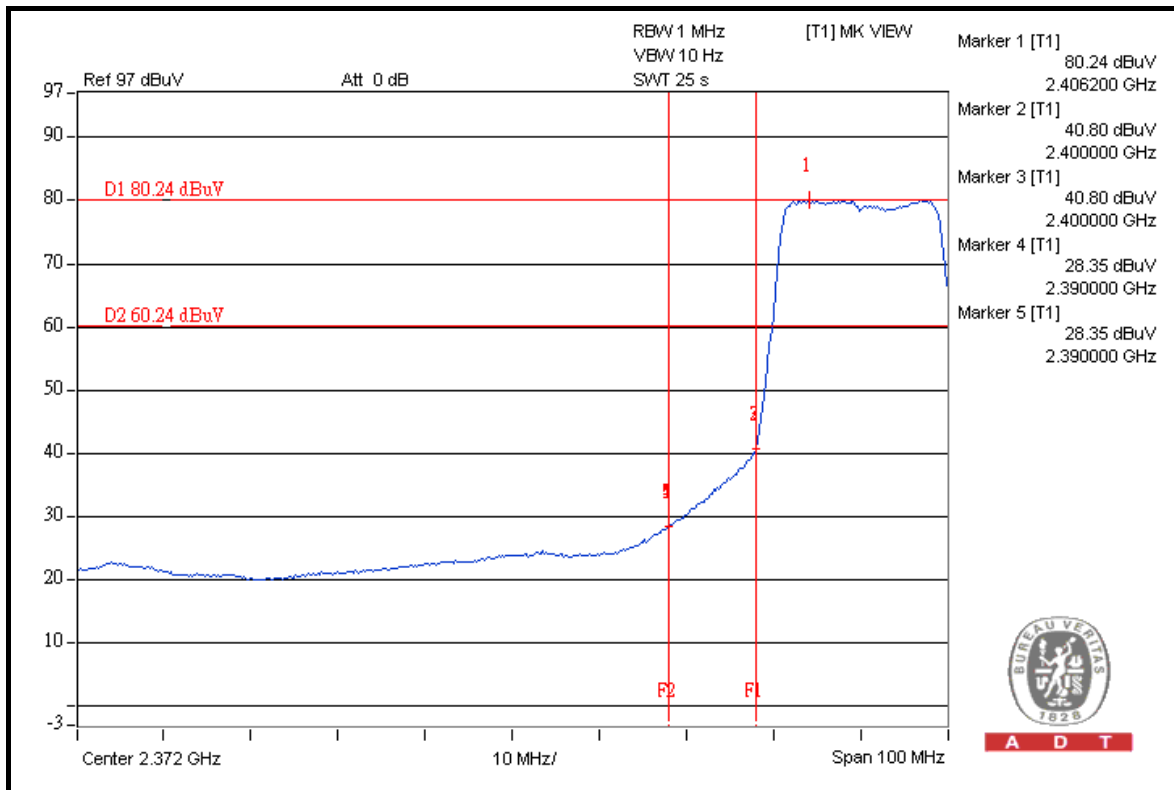
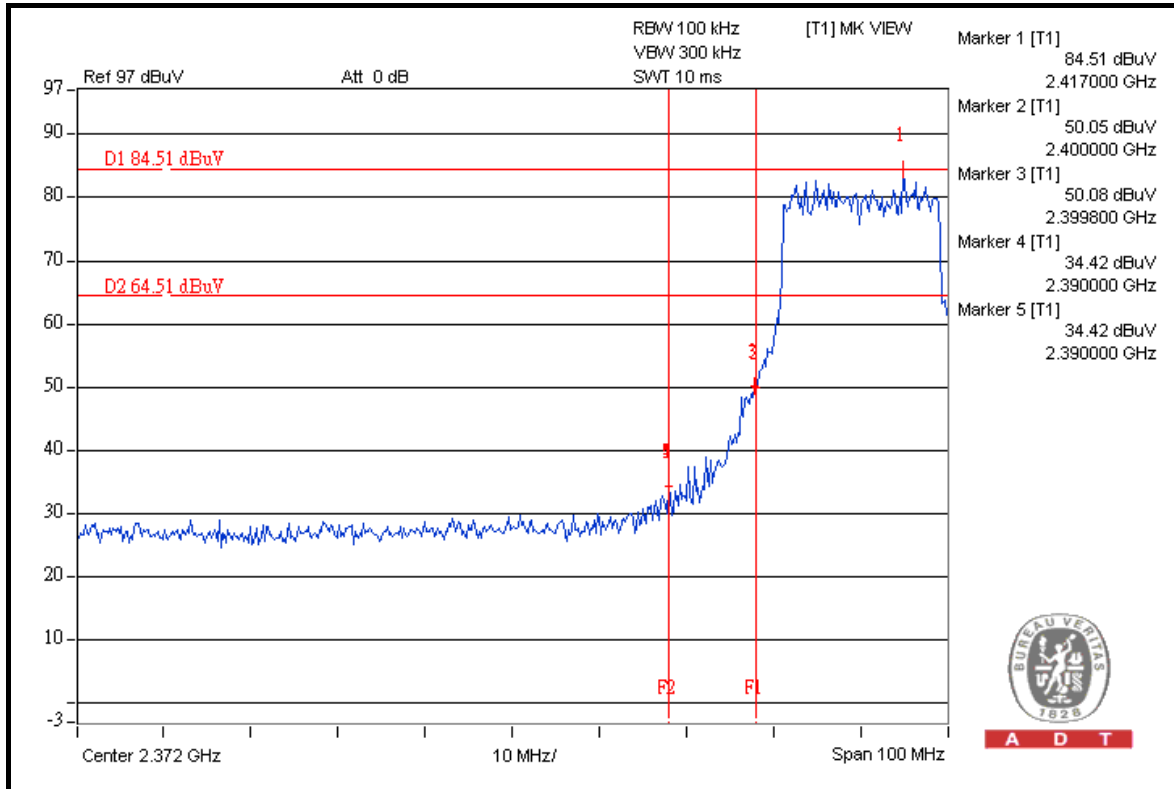
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.4	46.97	66.43	74.00
2462.00 (AV)	101.1	50.05	51.05	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

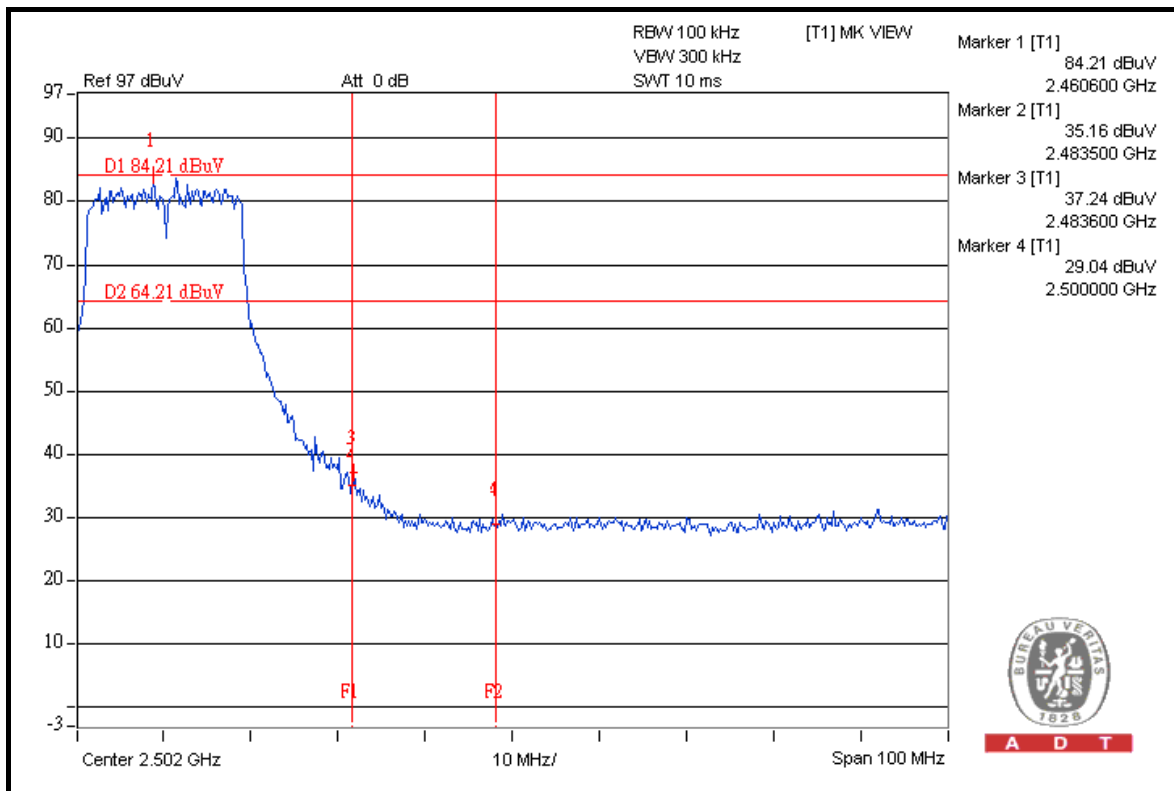
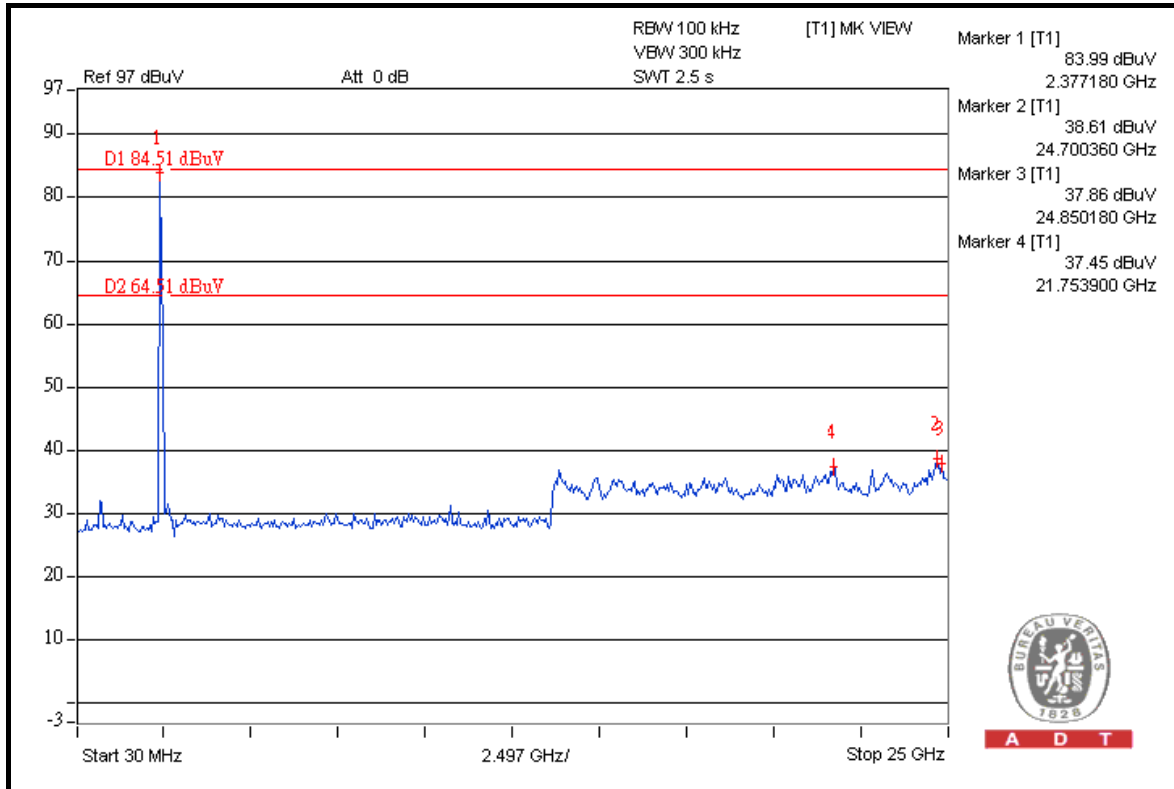


A D T



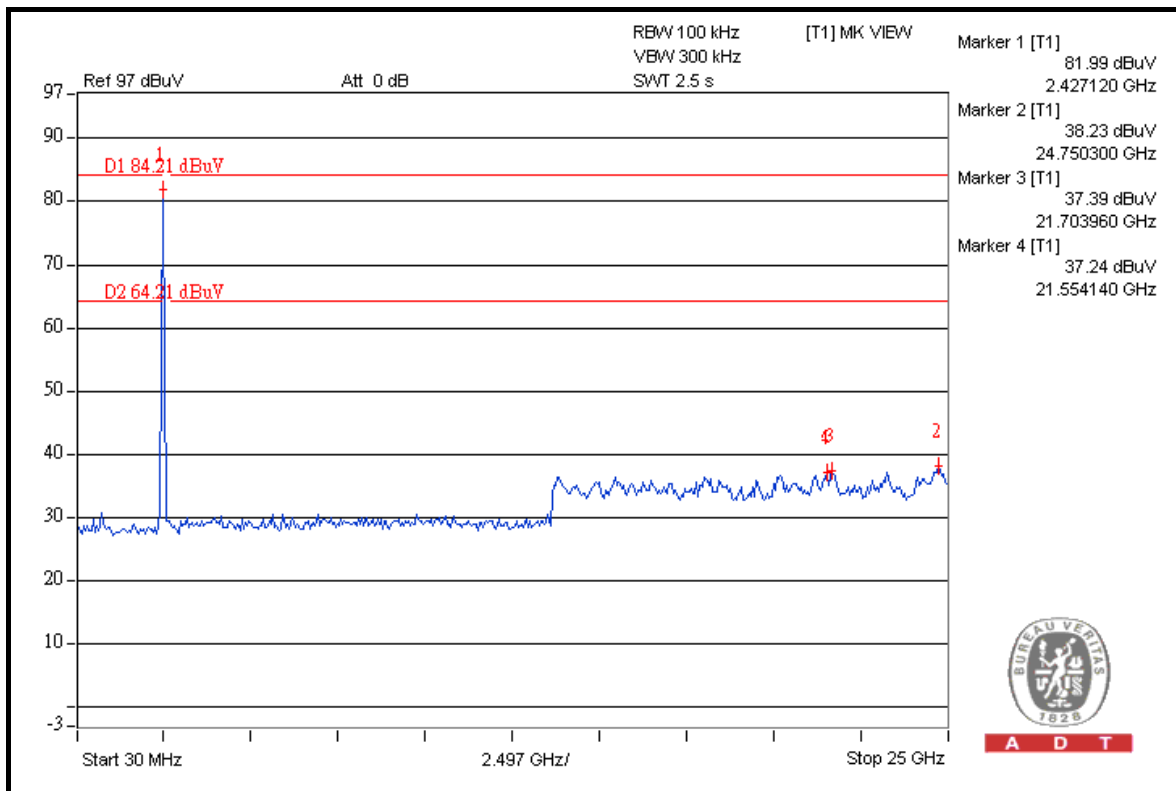
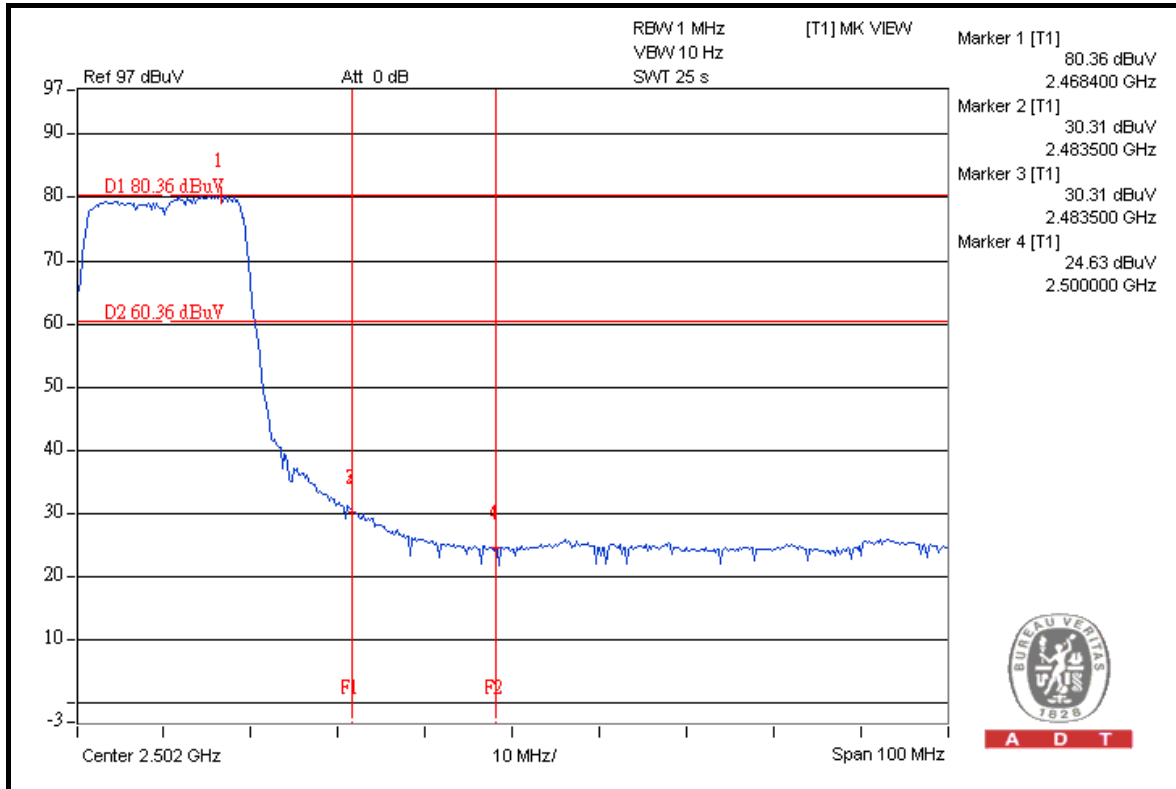


A D T





A D T





A D T

802.11n (40MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	108.1	43.96	64.14	74.00
2422.00 (AV)	95.1	43.68	51.42	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

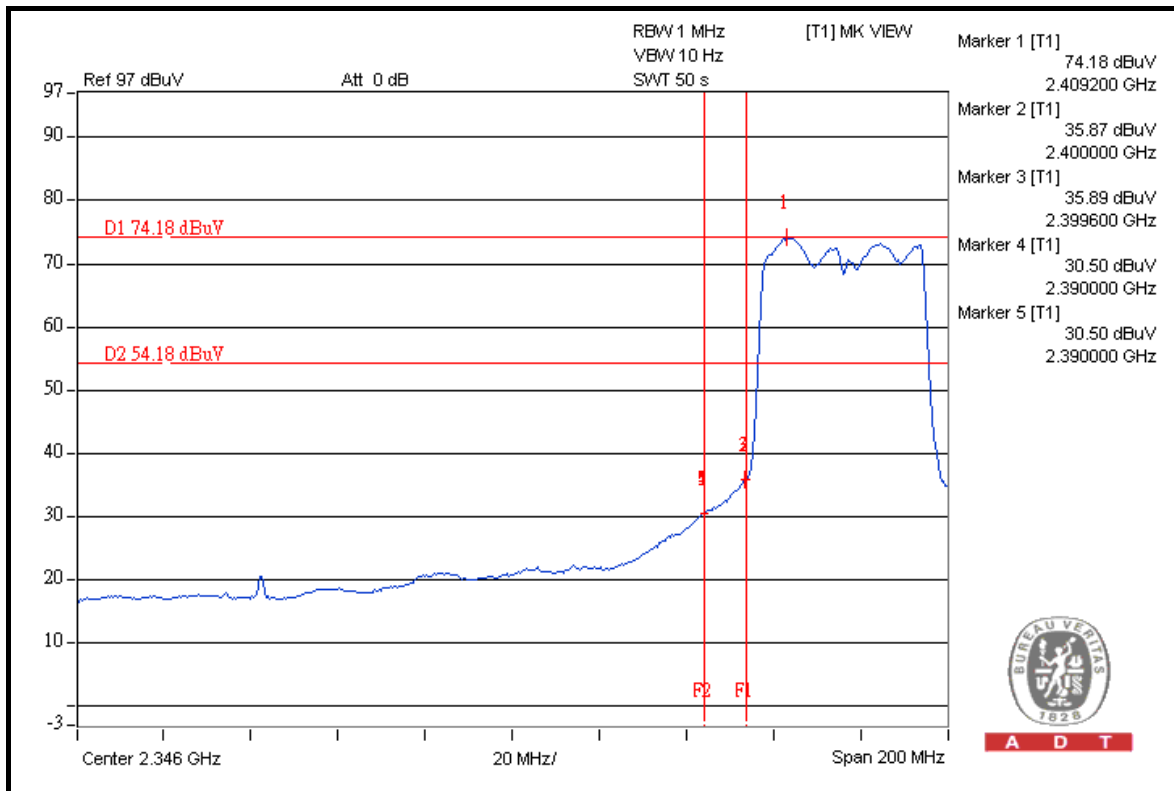
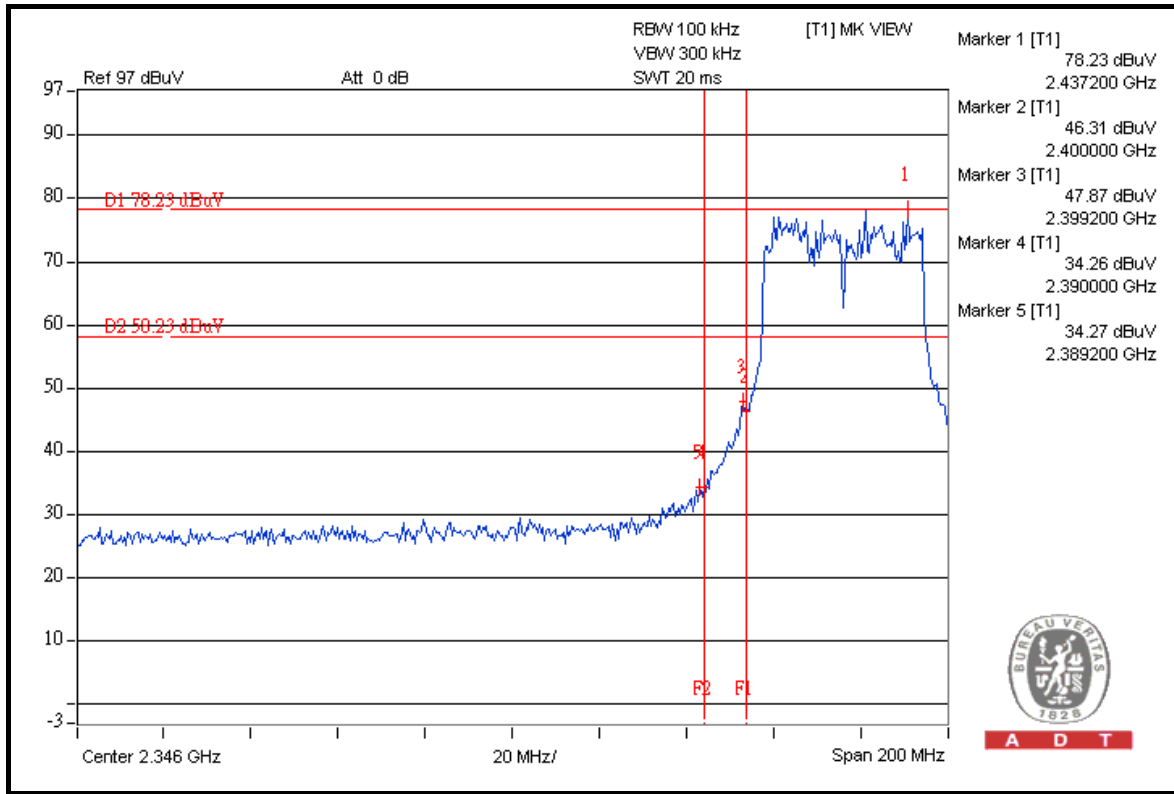
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	107.8	44.17	63.63	74.00
2452.00 (AV)	95.0	44.67	50.33	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

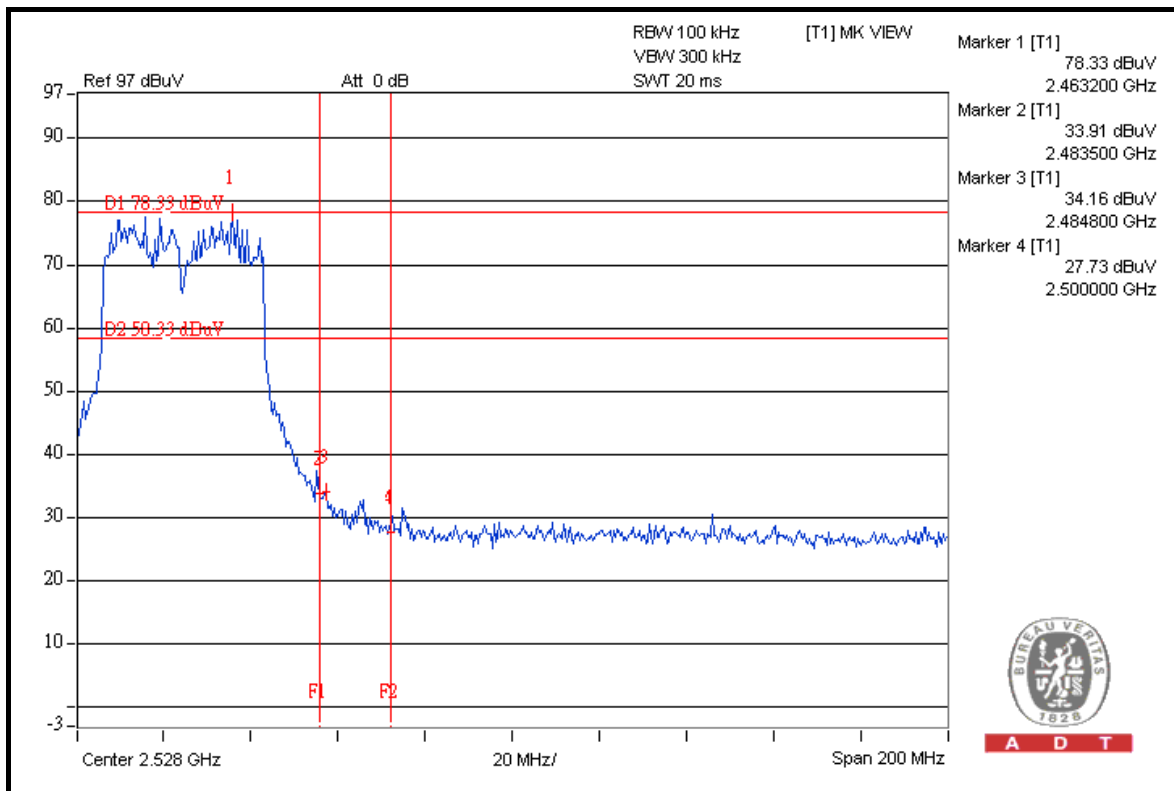
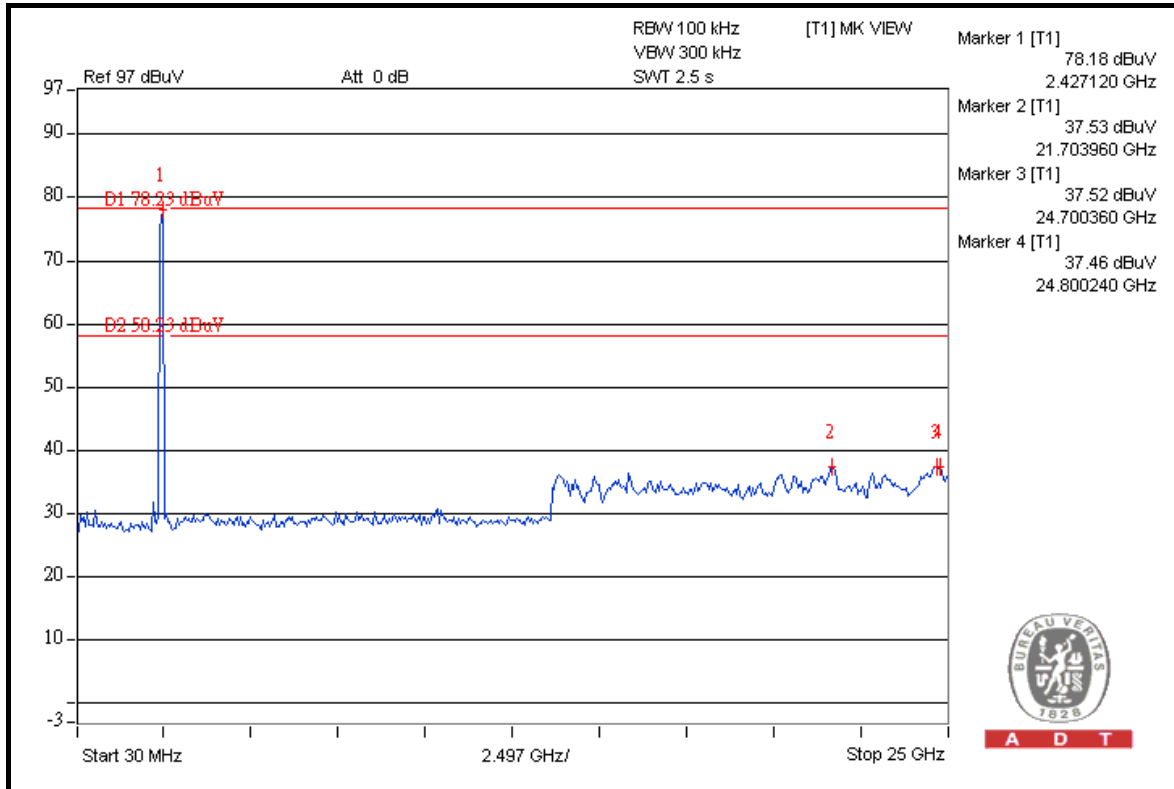


A D T



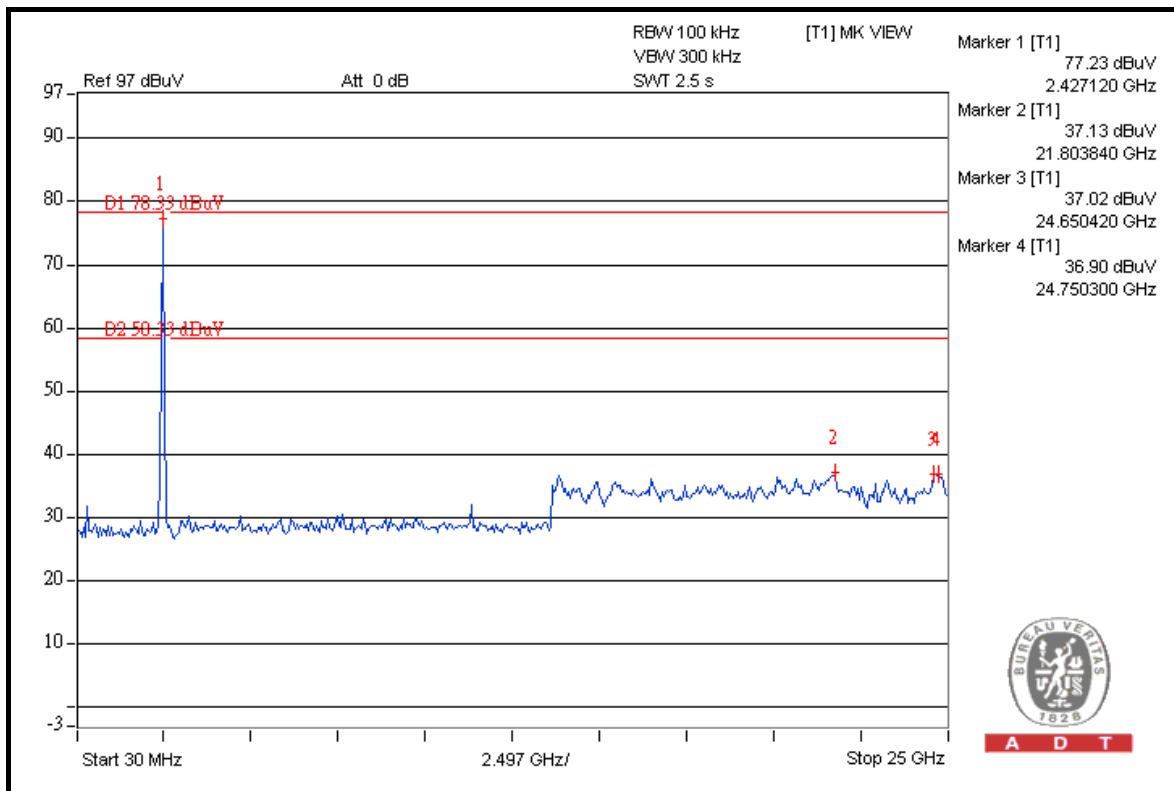
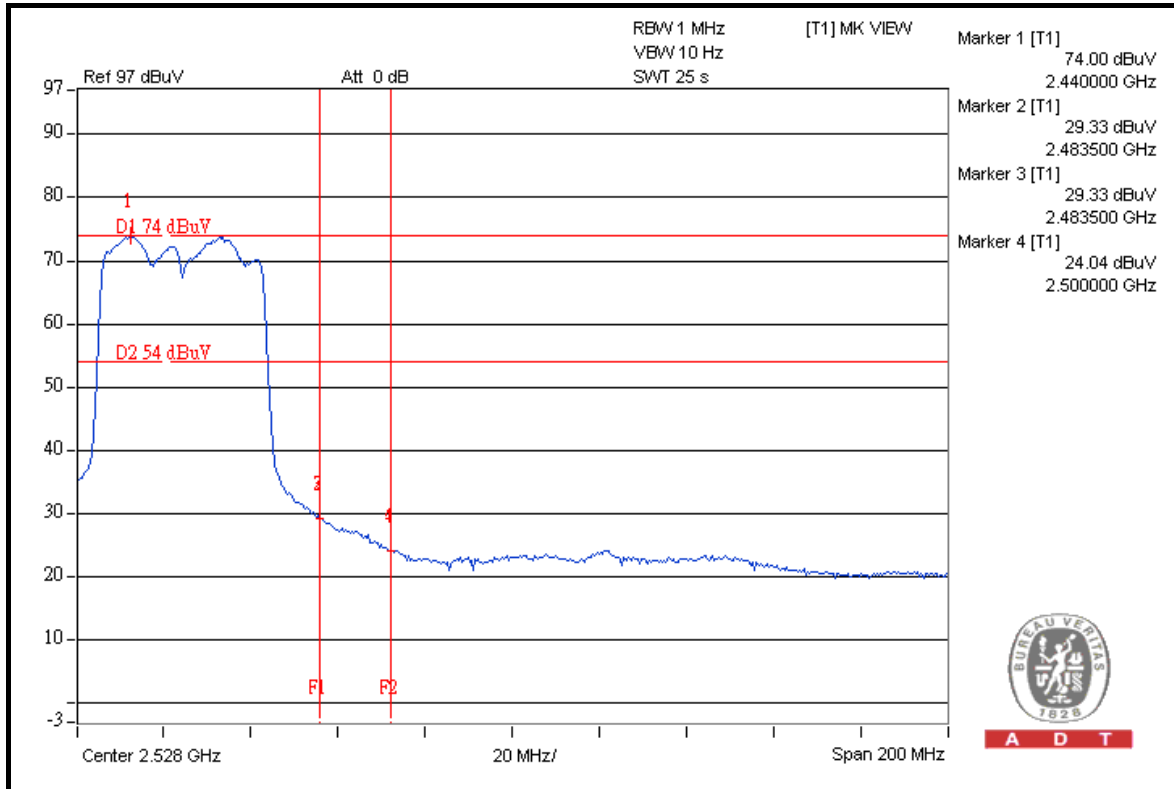


A D T





A D T





A D T

4.6.9 TEST RESULTS (TEST MODE B 2)

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	115.2	58.36	56.84	74.00
2412.00 (AV)	111.1	60.37	50.73	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

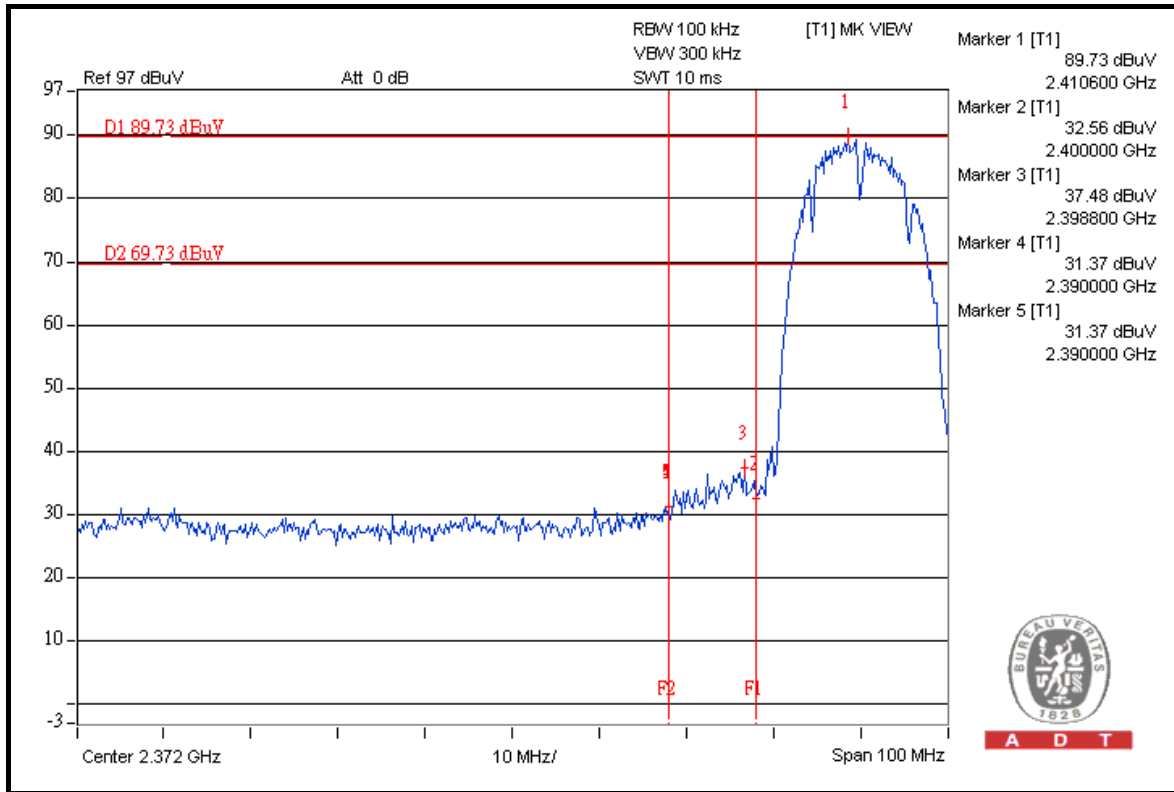
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.5	50.96	62.54	74.00
2462.00 (AV)	109.8	60.76	49.04	54.00

NOTE:

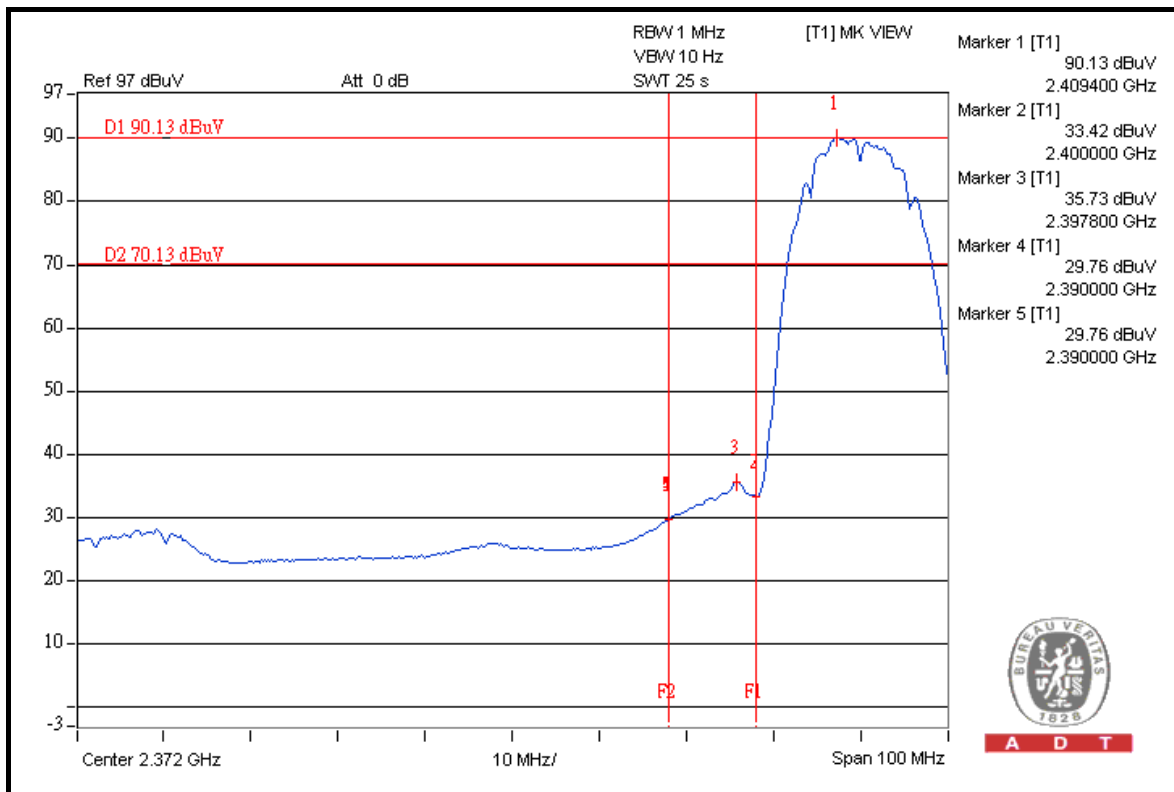
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.



A D T



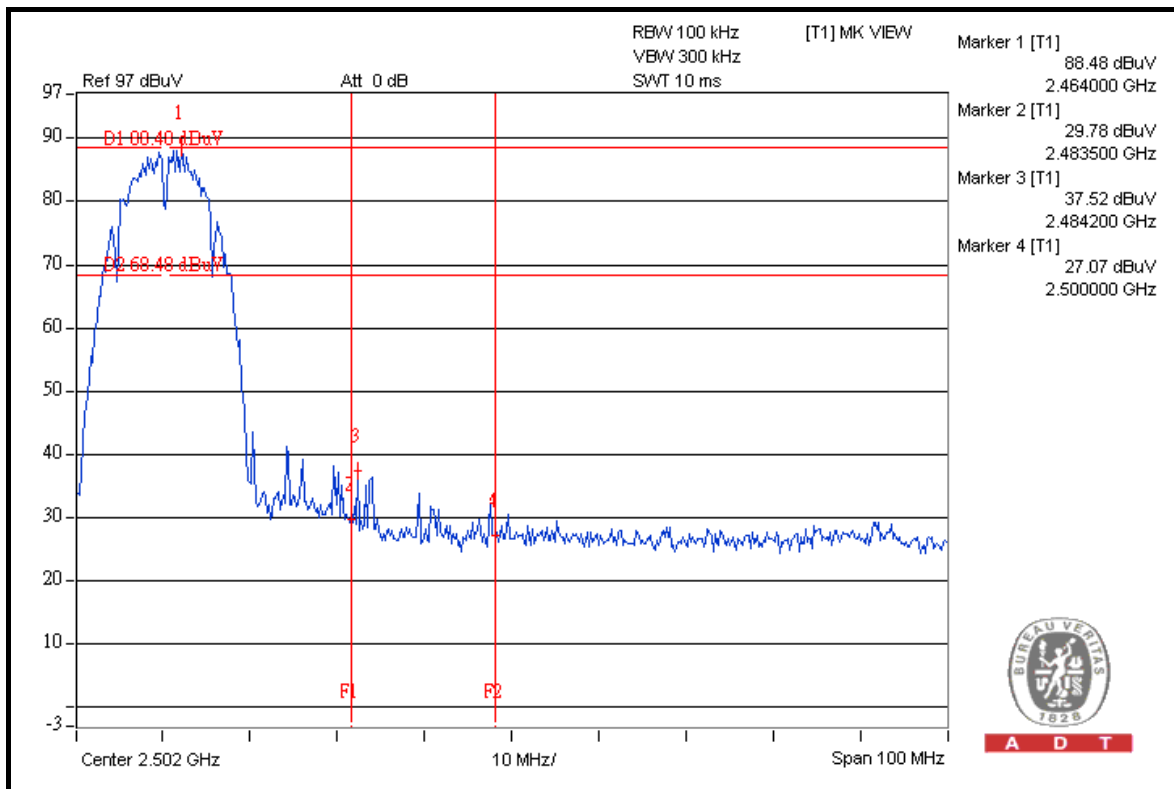
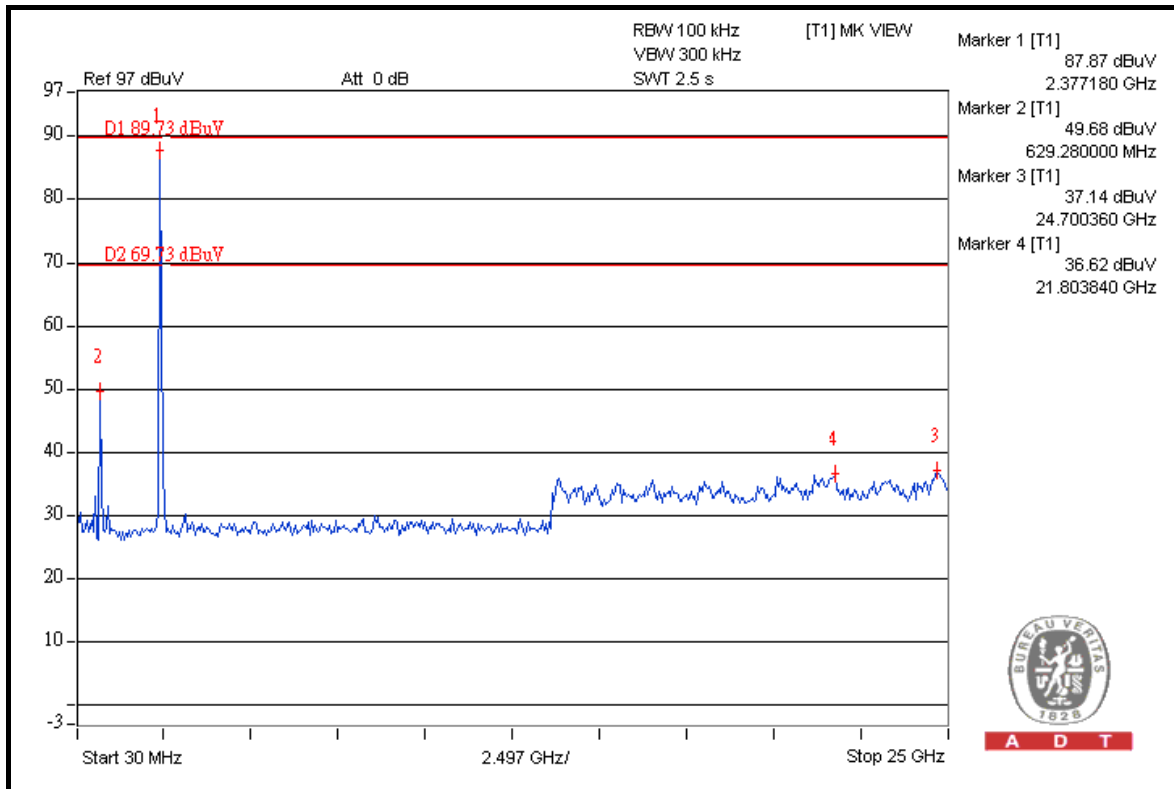
A D T



A D T

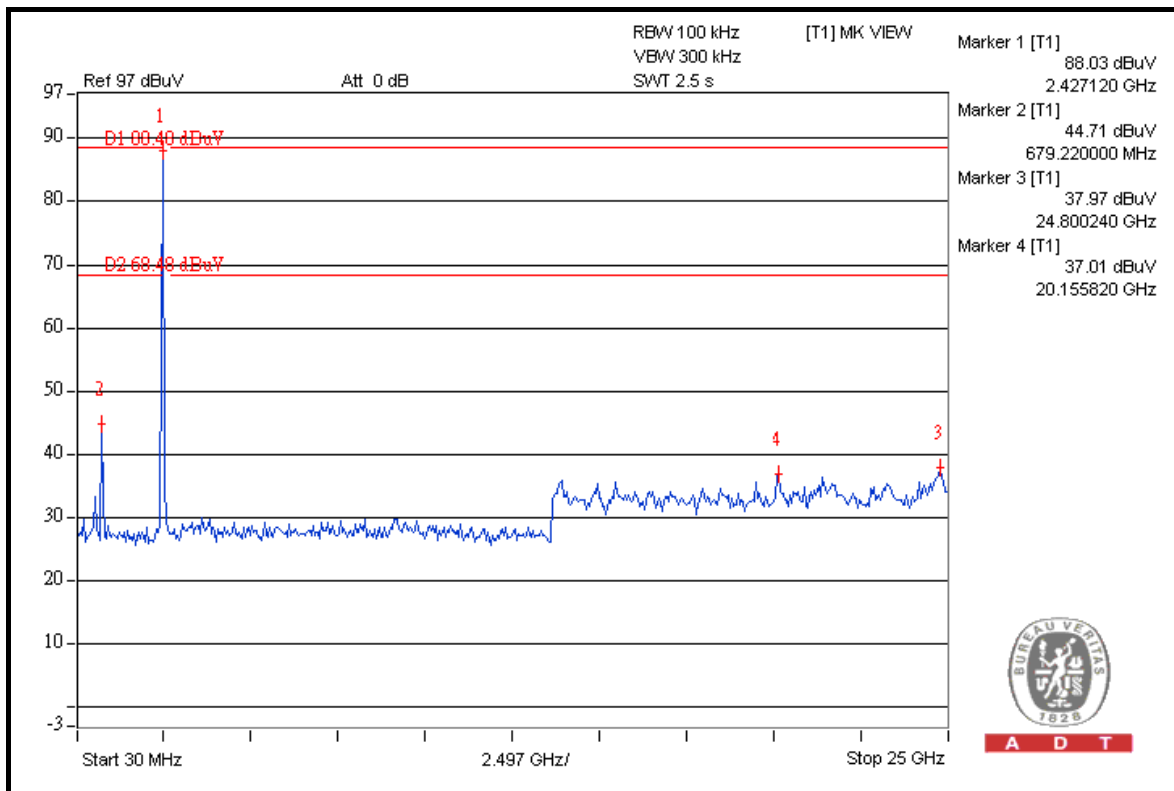
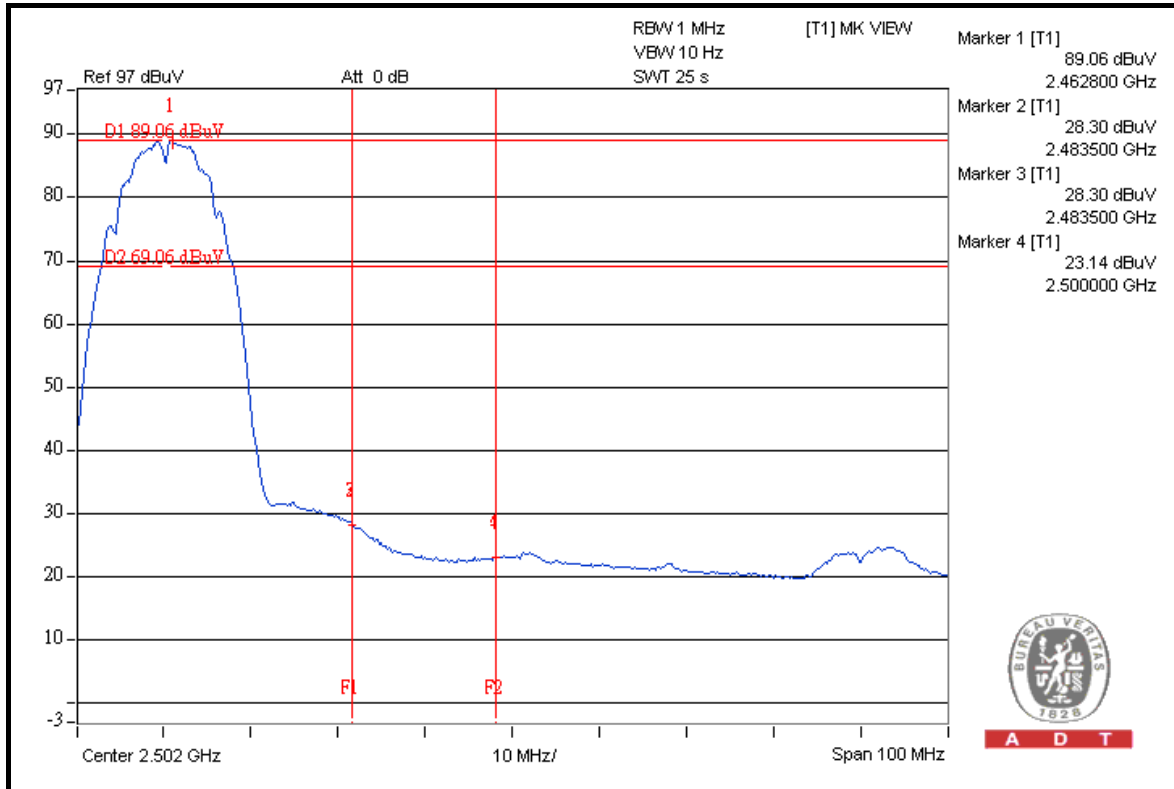


A D T





A D T





A D T

802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	114.5	45.9	68.60	74.00
2412.00 (AV)	102.4	49.7	52.70	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

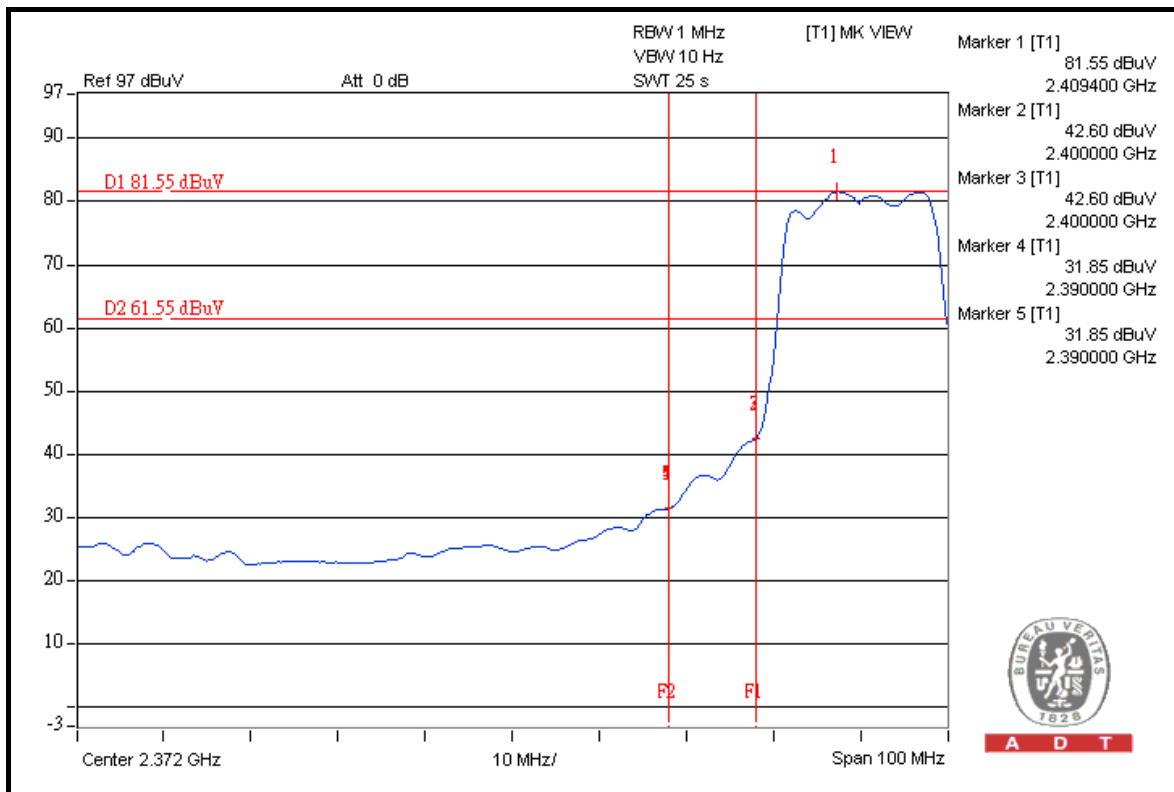
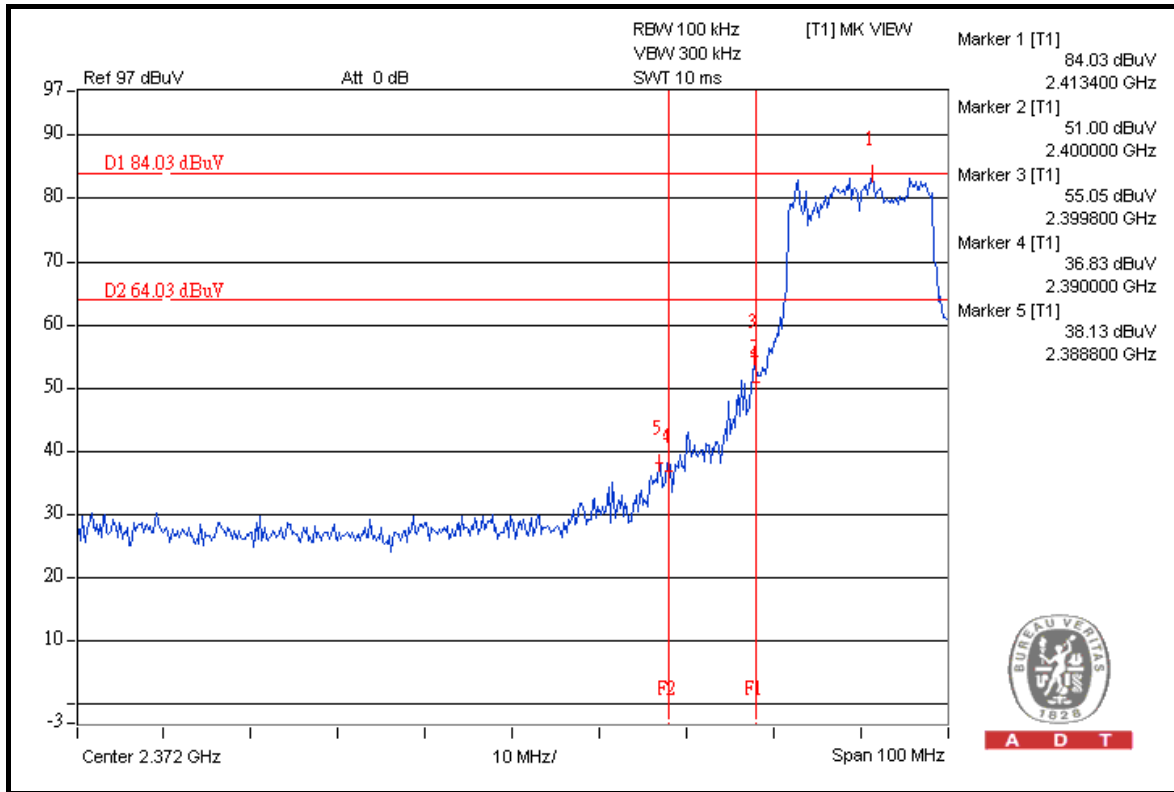
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	114.1	46.62	67.48	74.00
2462.00 (AV)	102.0	49.52	52.48	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

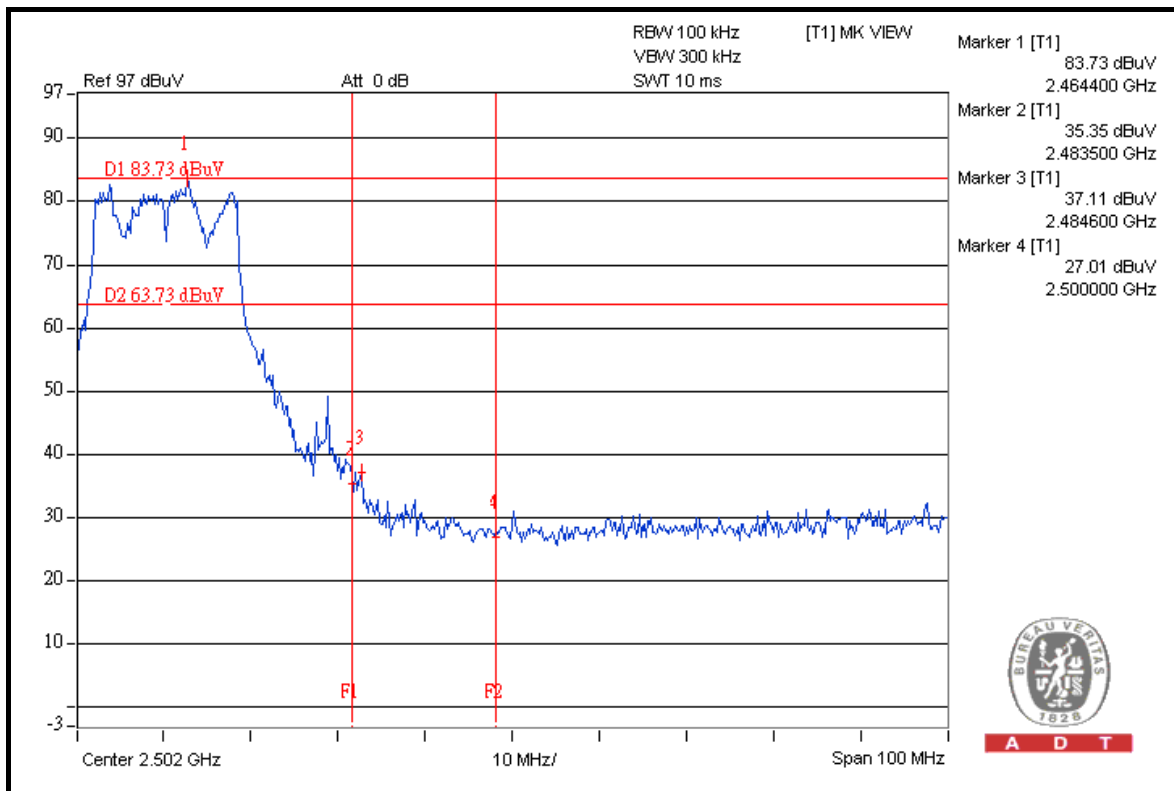
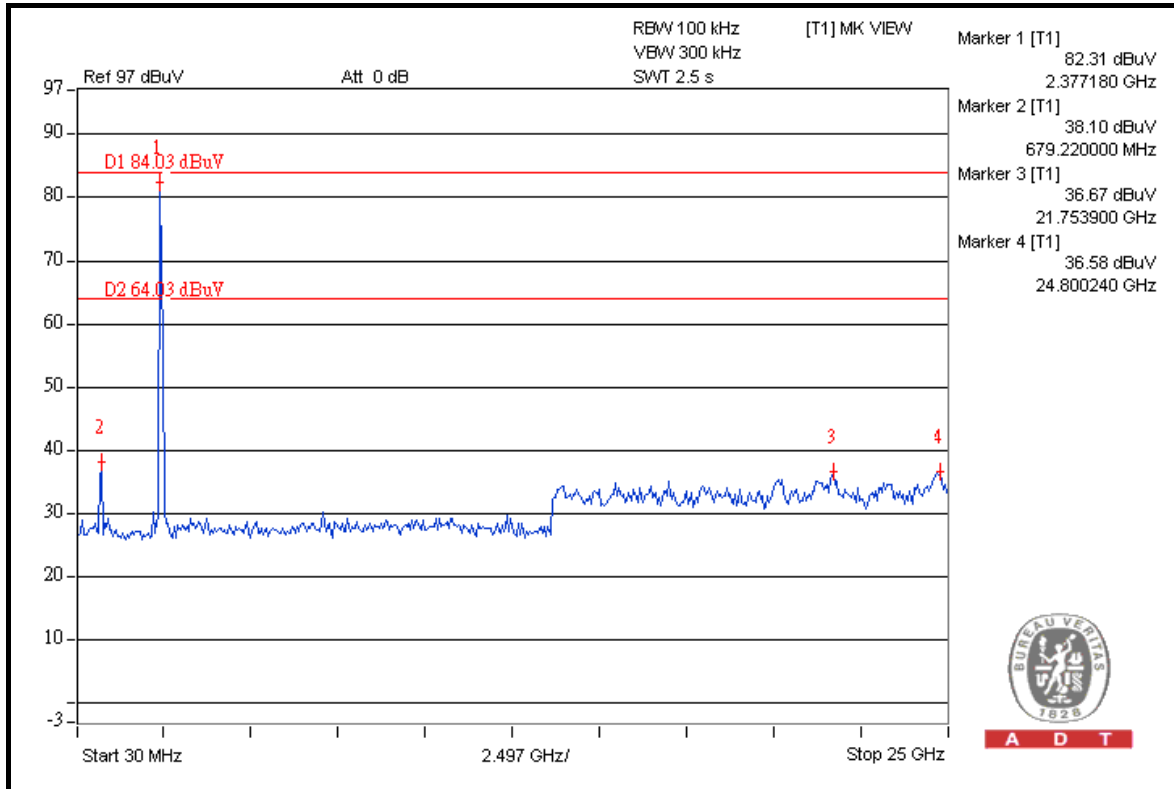


A D T



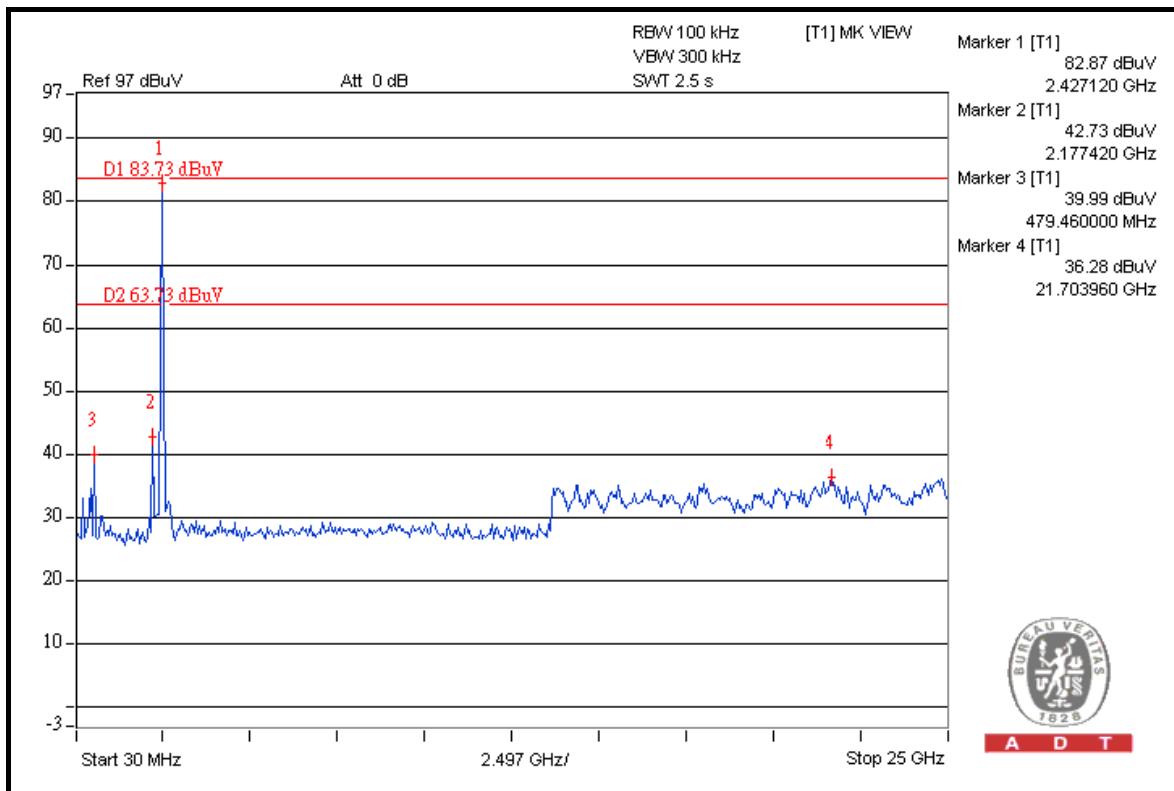
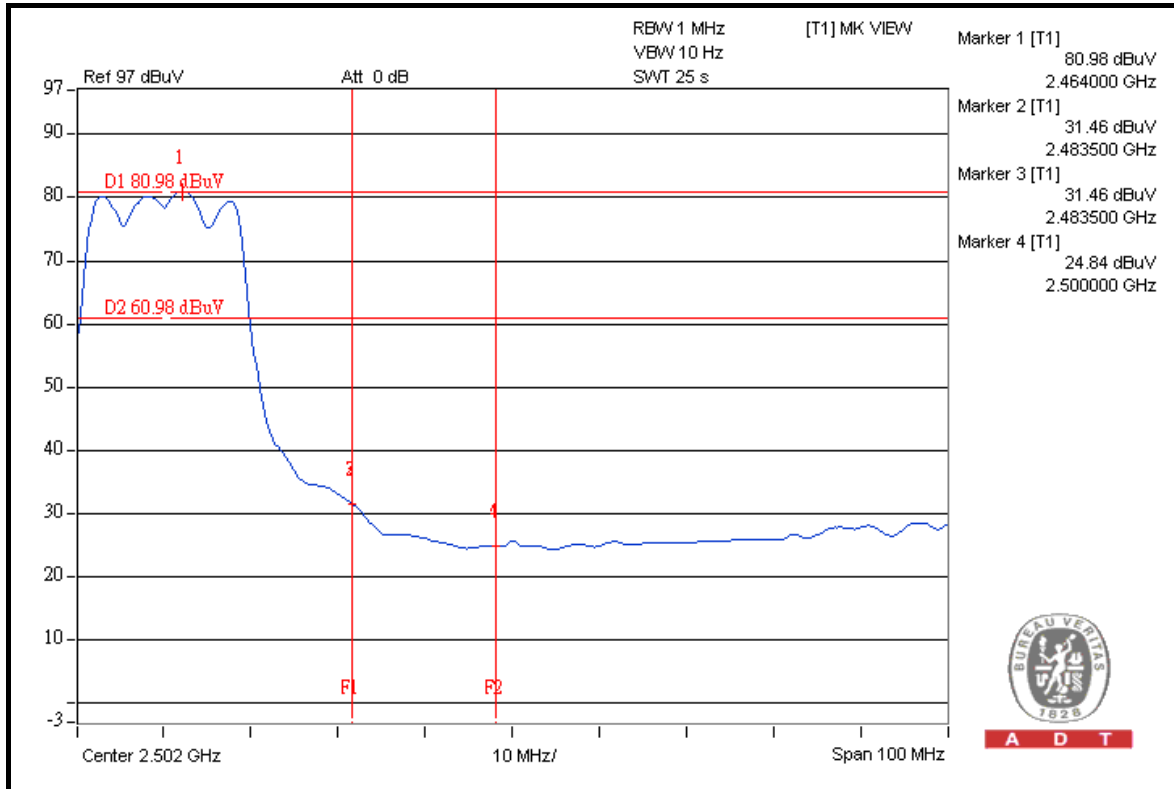


A D T





A D T





A D T

802.11n (20MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	113.9	49.51	64.39	74.00
2412.00 (AV)	101.6	49.53	52.07	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

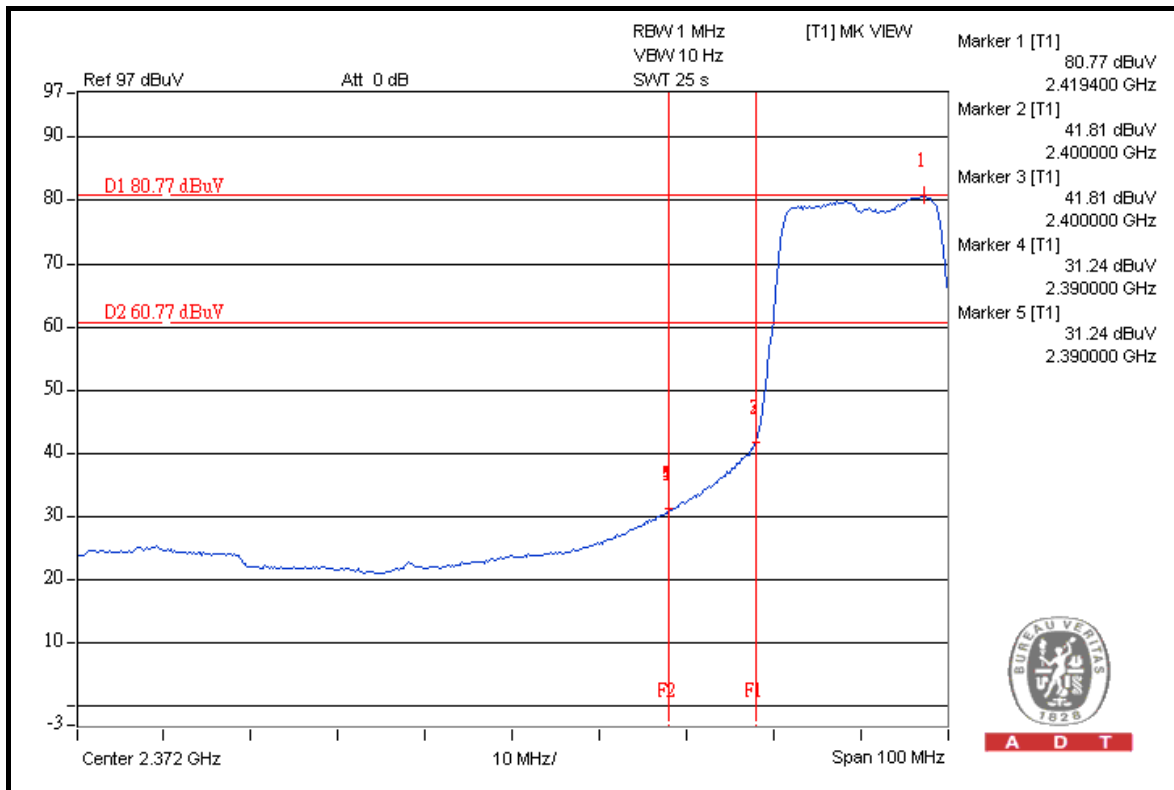
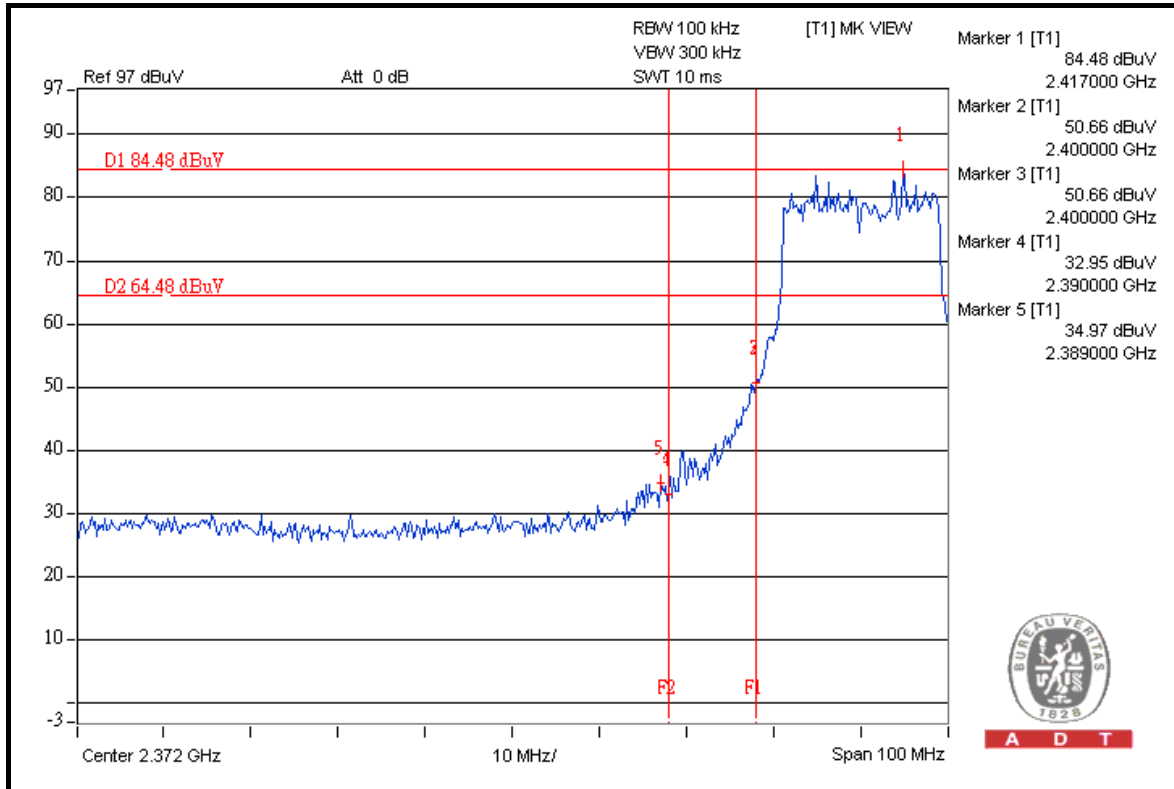
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.8	46.49	67.31	74.00
2462.00 (AV)	101.4	49.51	51.89	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

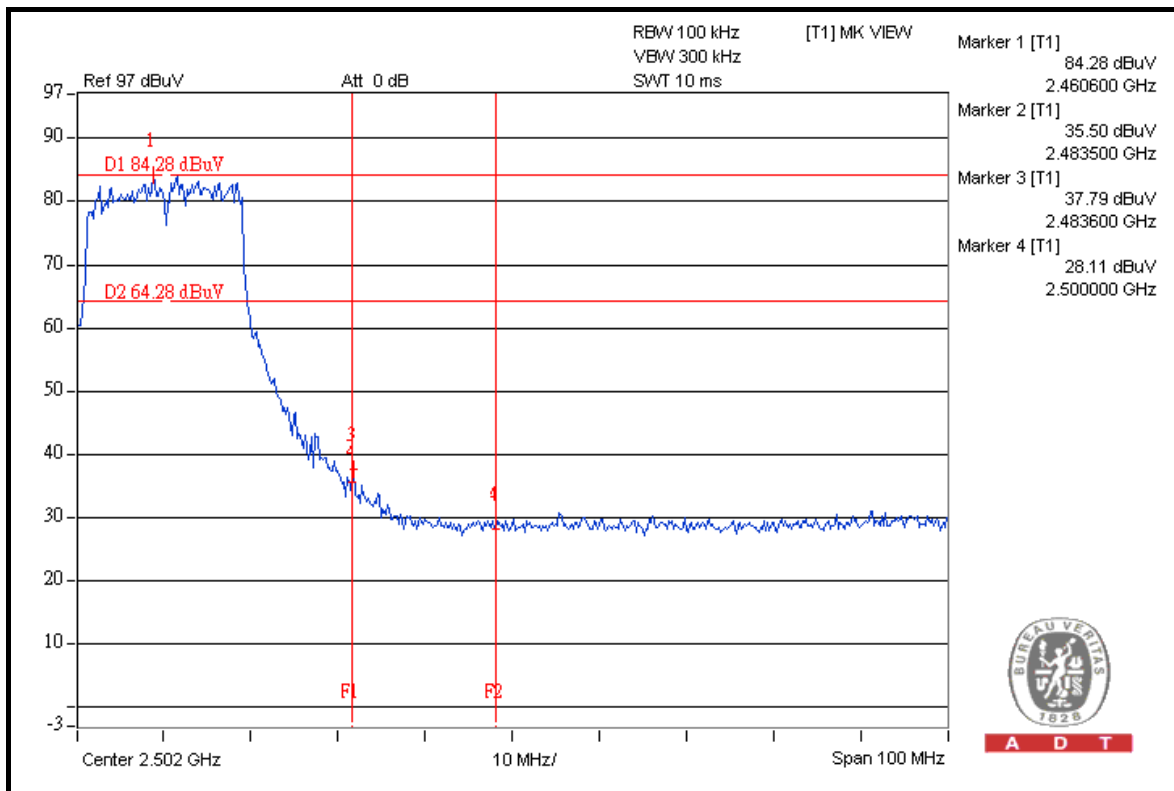
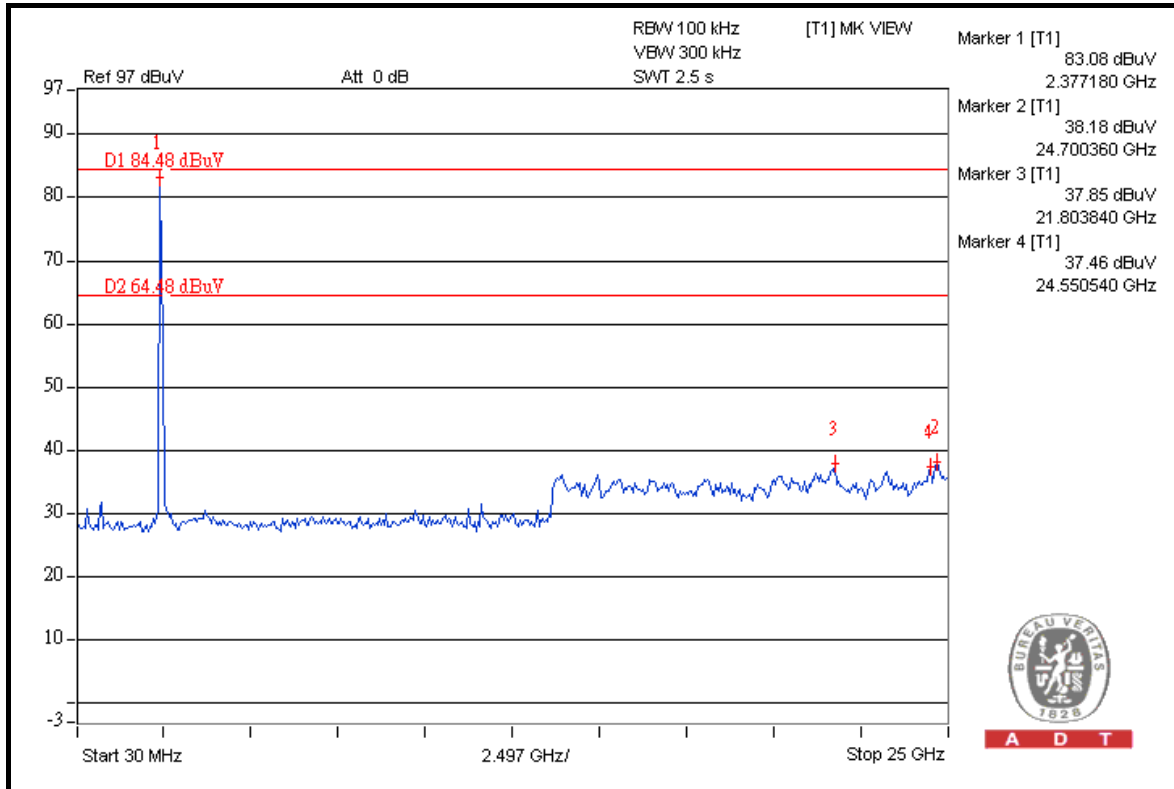


A D T



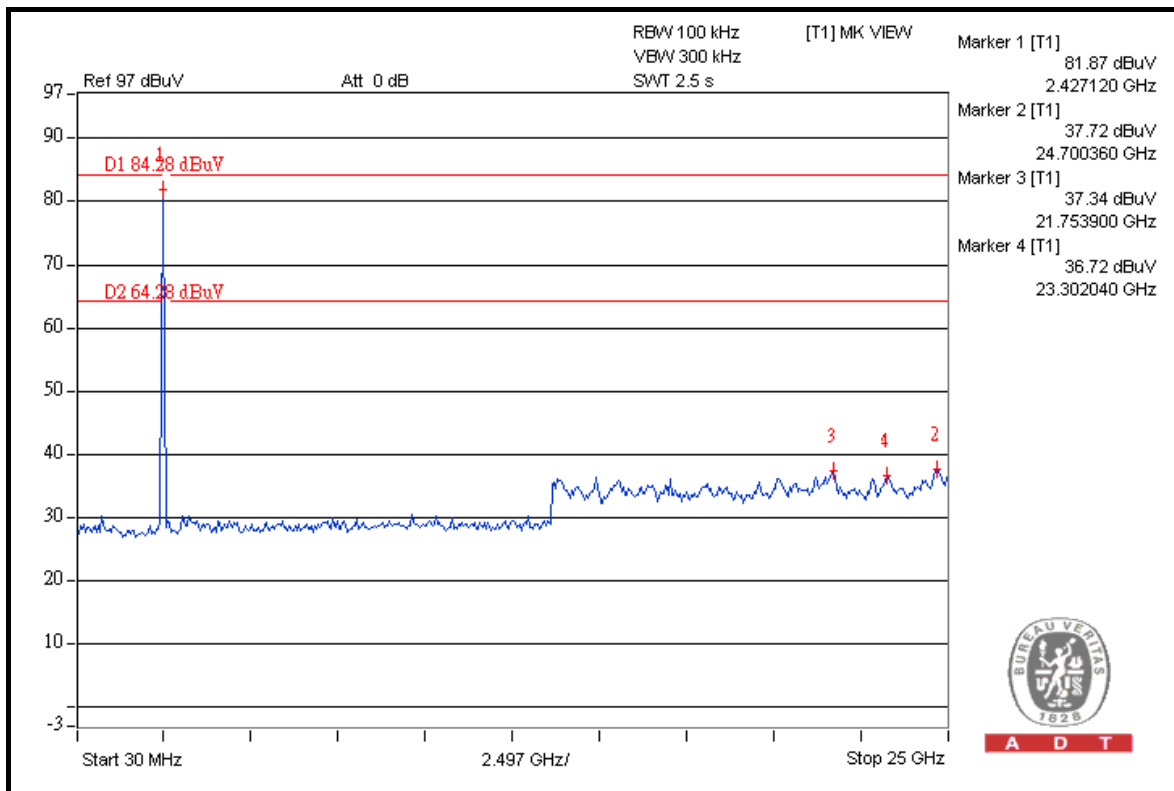
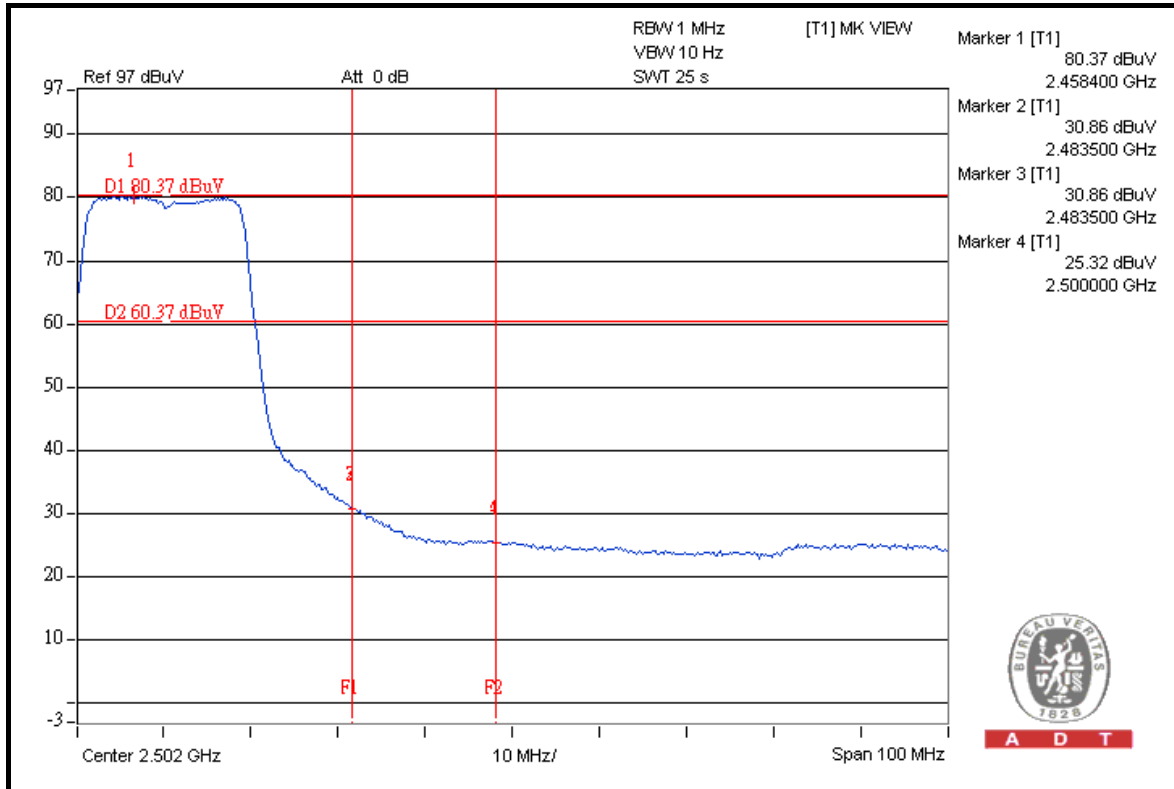


A D T





A D T





A D T

802.11n (40MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	108.3	41.77	66.53	74.00
2422.00 (AV)	95.5	43.87	51.63	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

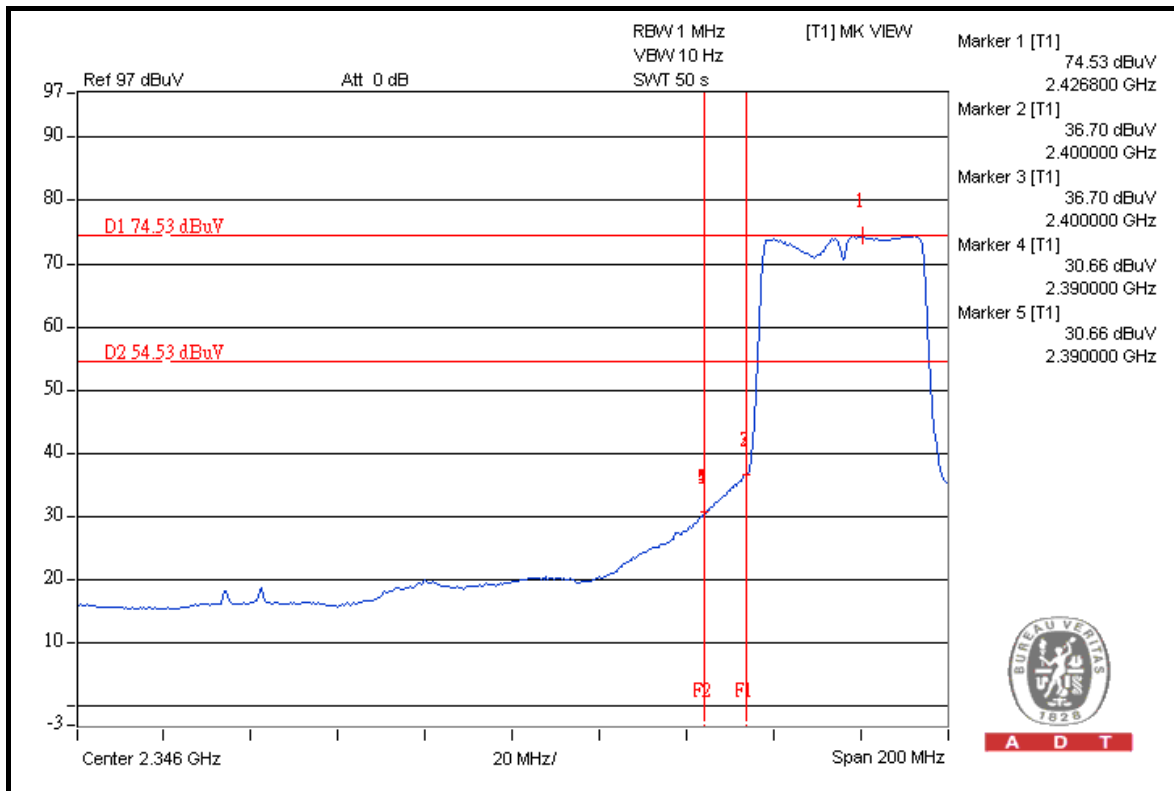
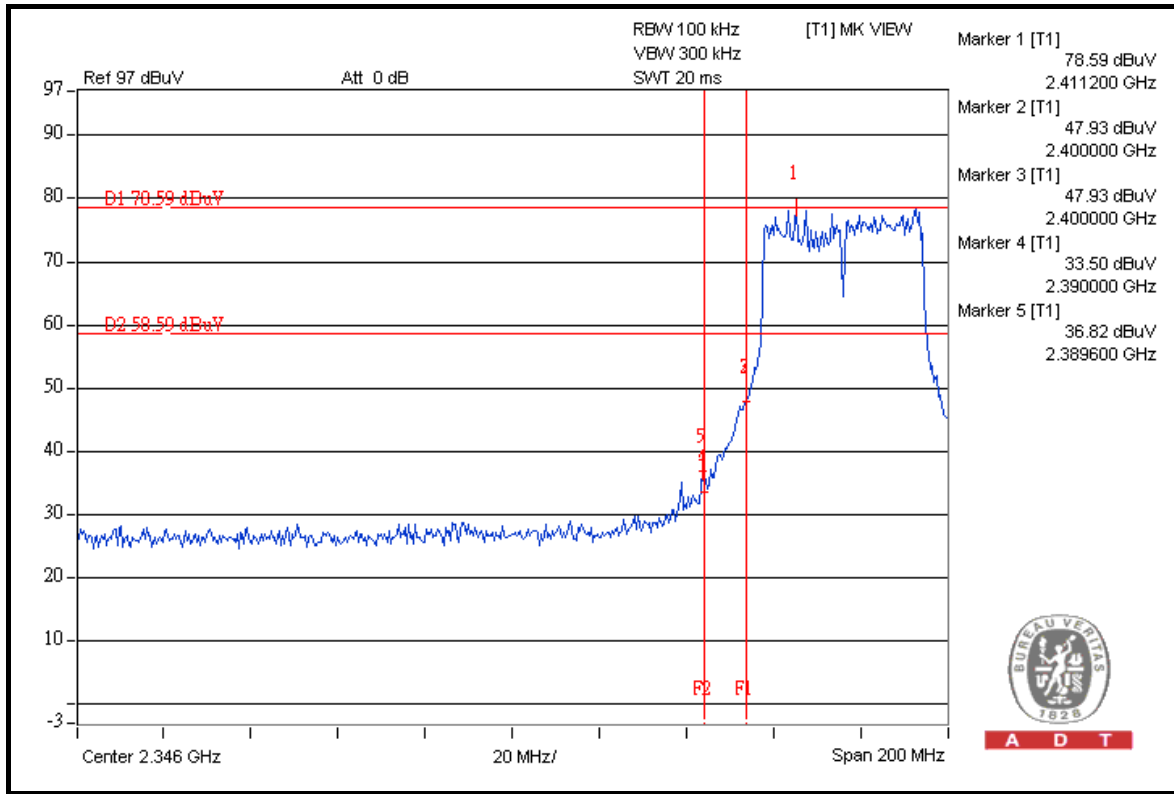
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	108.1	43.68	64.42	74.00
2452.00 (AV)	95.2	45.56	49.64	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

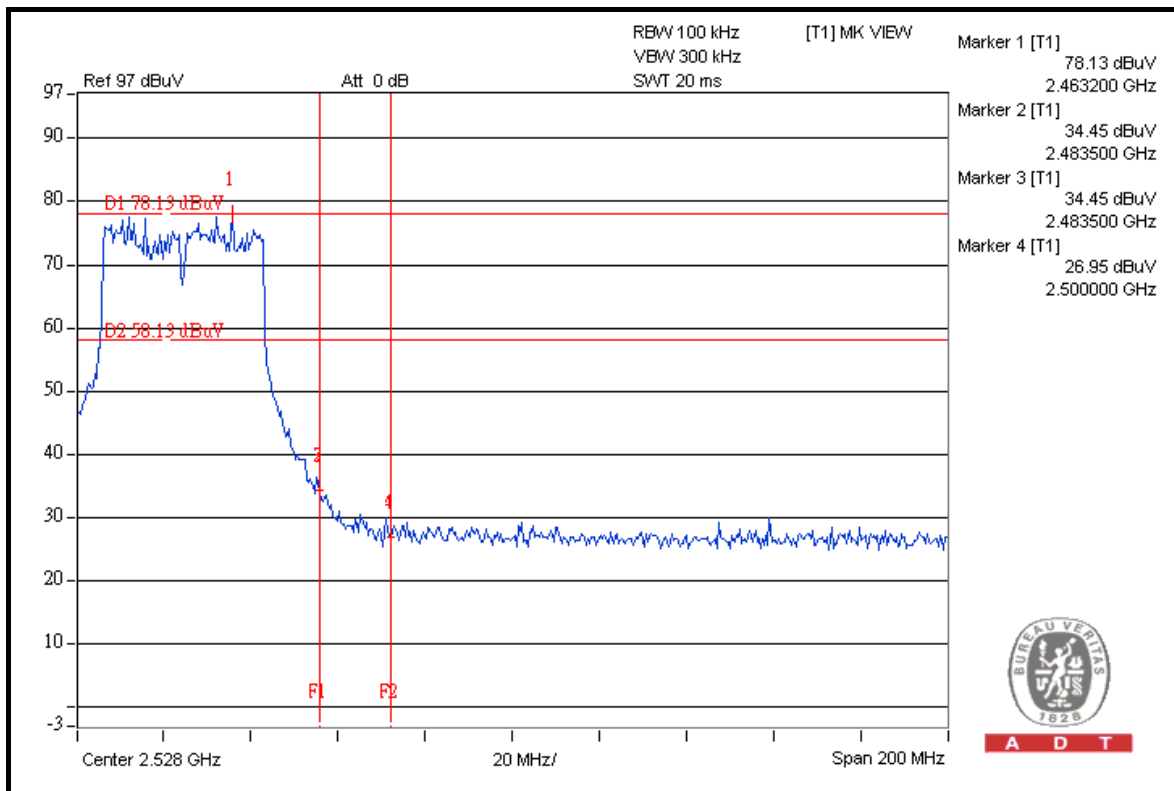
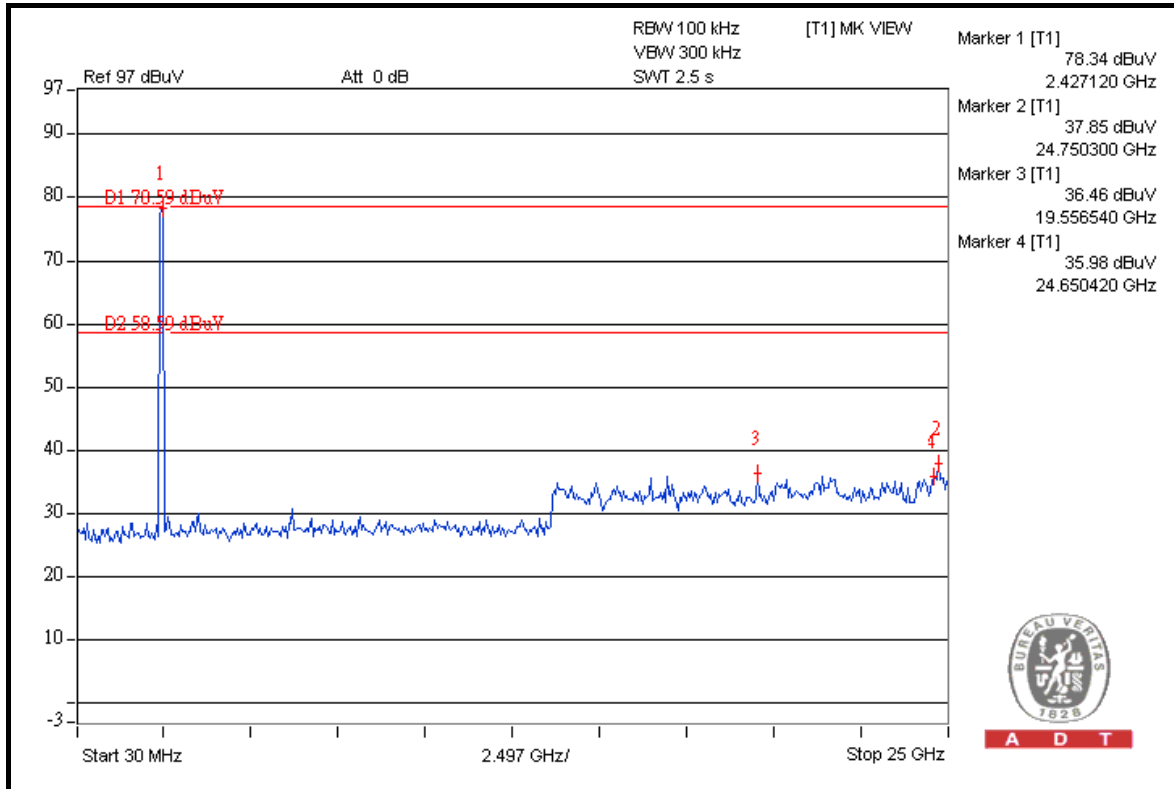


A D T



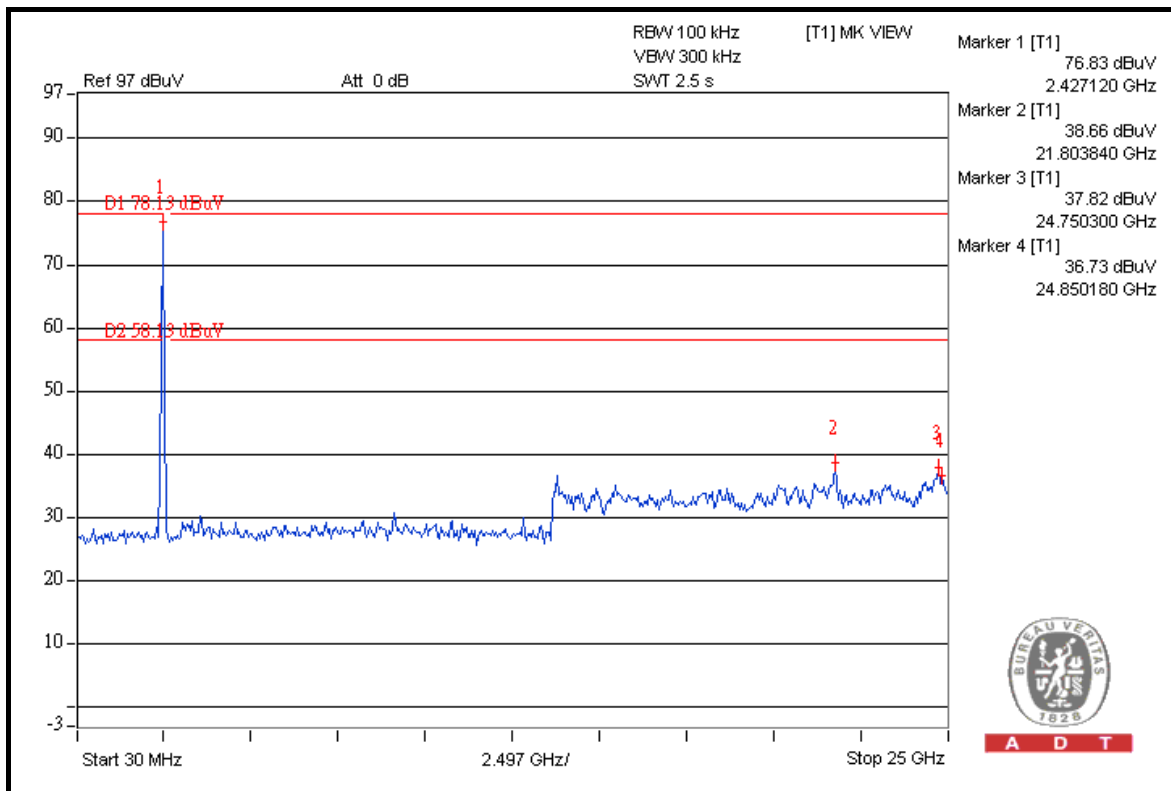
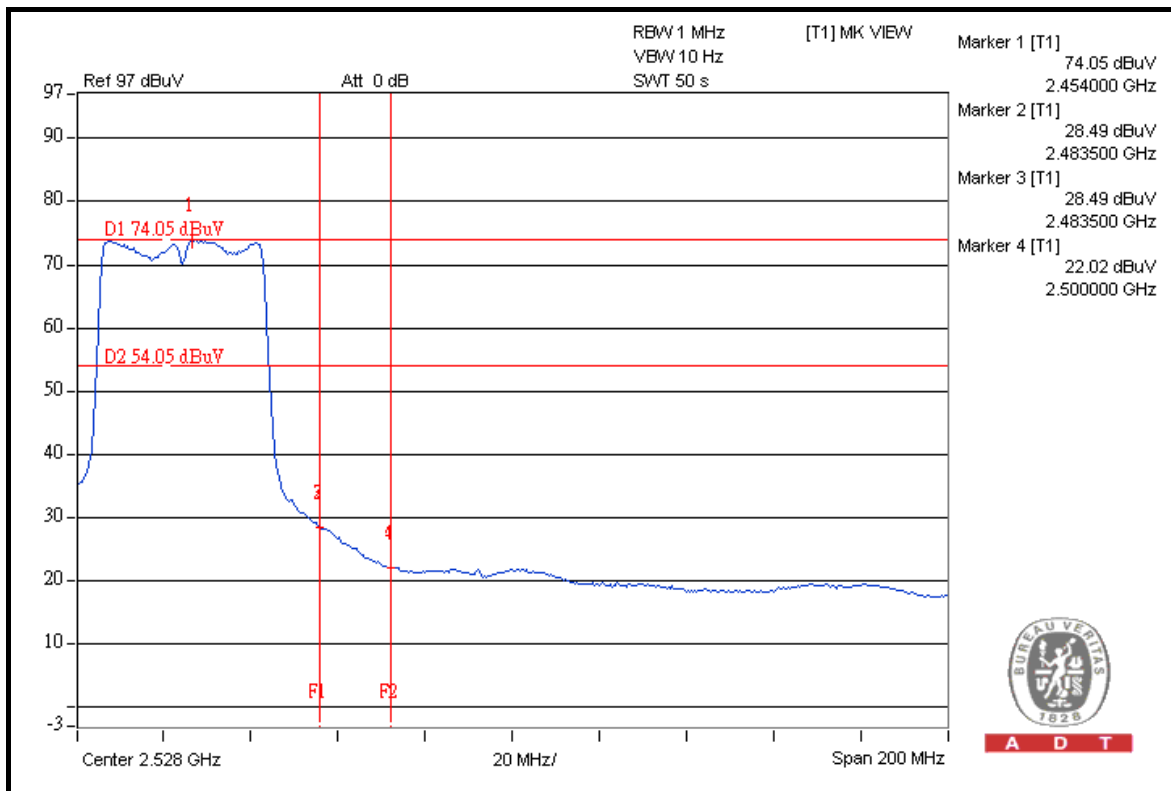


A D T





A D T





4.6.10 TEST RESULTS (TEST MODE C 1)

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	113.4	51.29	62.11	74.00
2412.00 (AV)	111.5	58.68	52.82	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

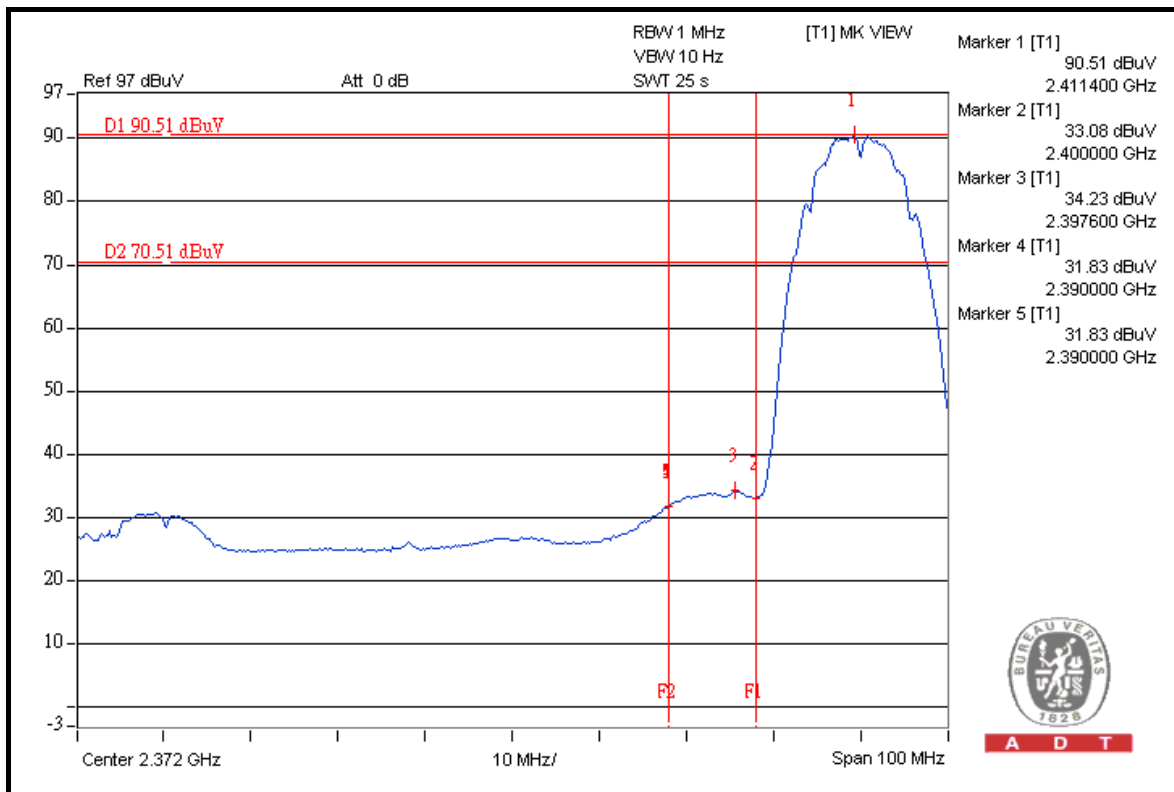
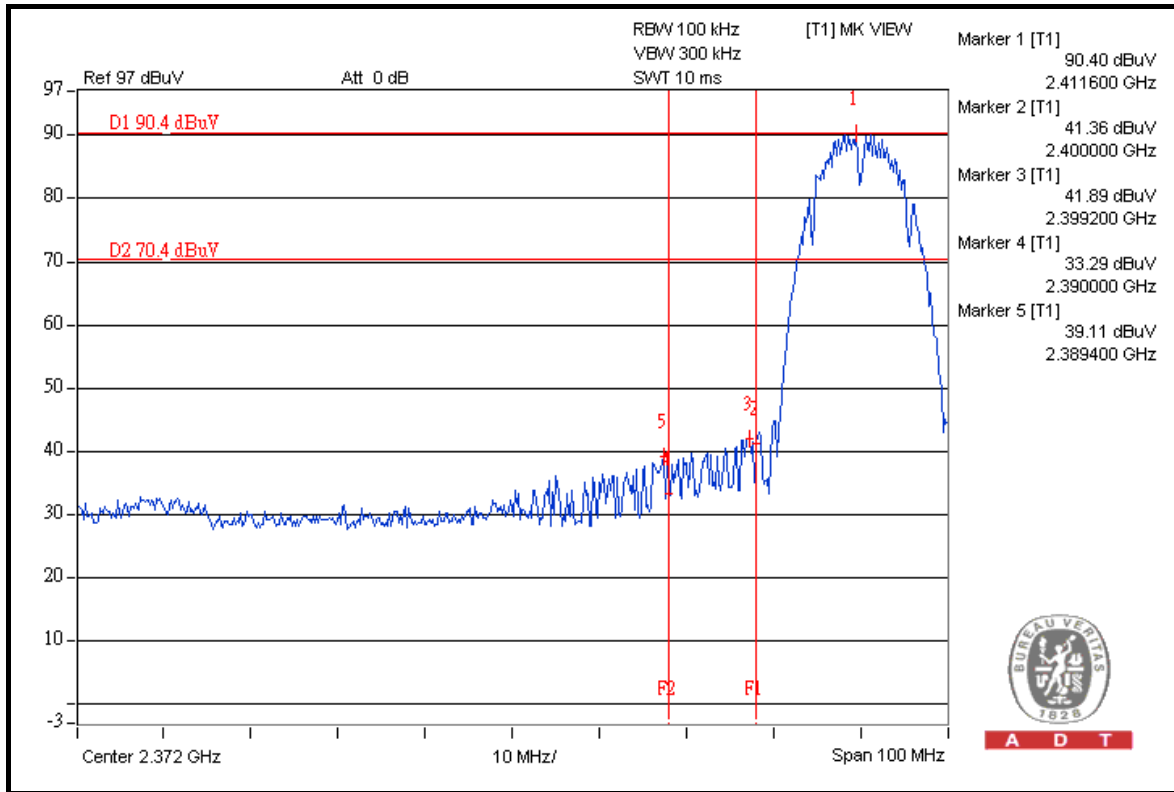
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.0	58.46	54.54	74.00
2462.00 (AV)	111.2	59.67	51.53	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

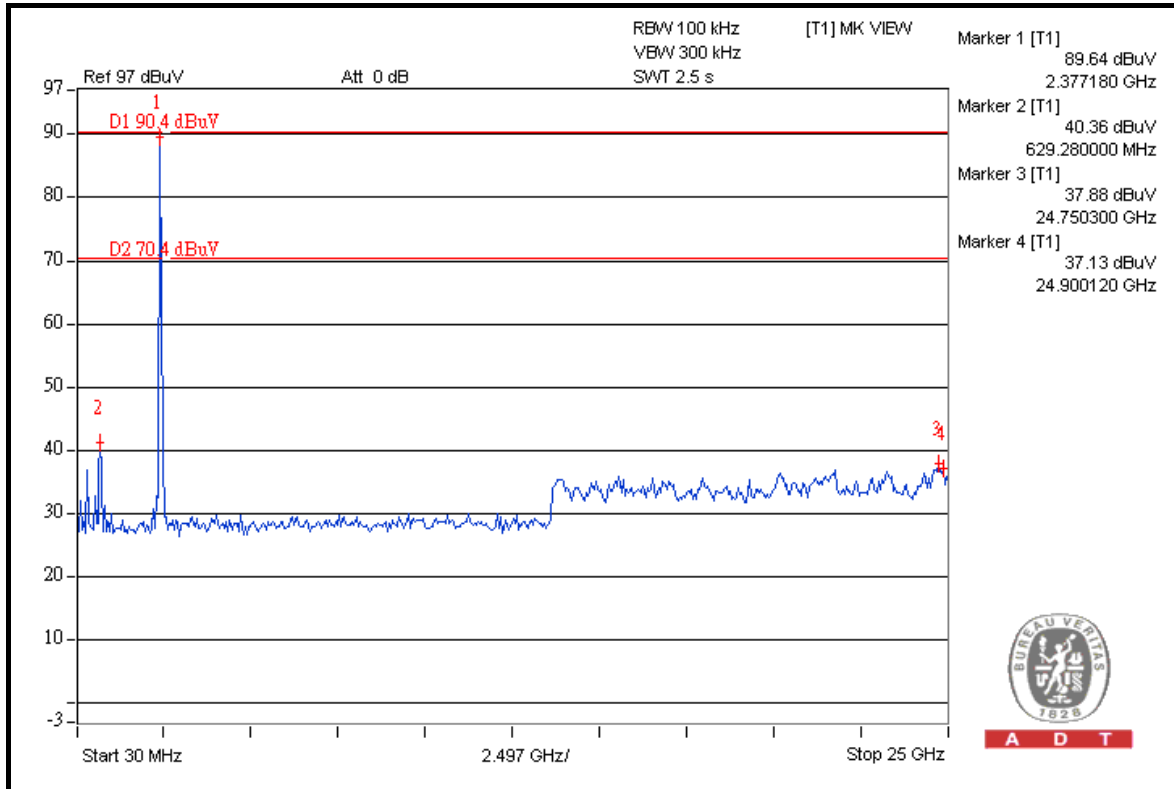


A D T

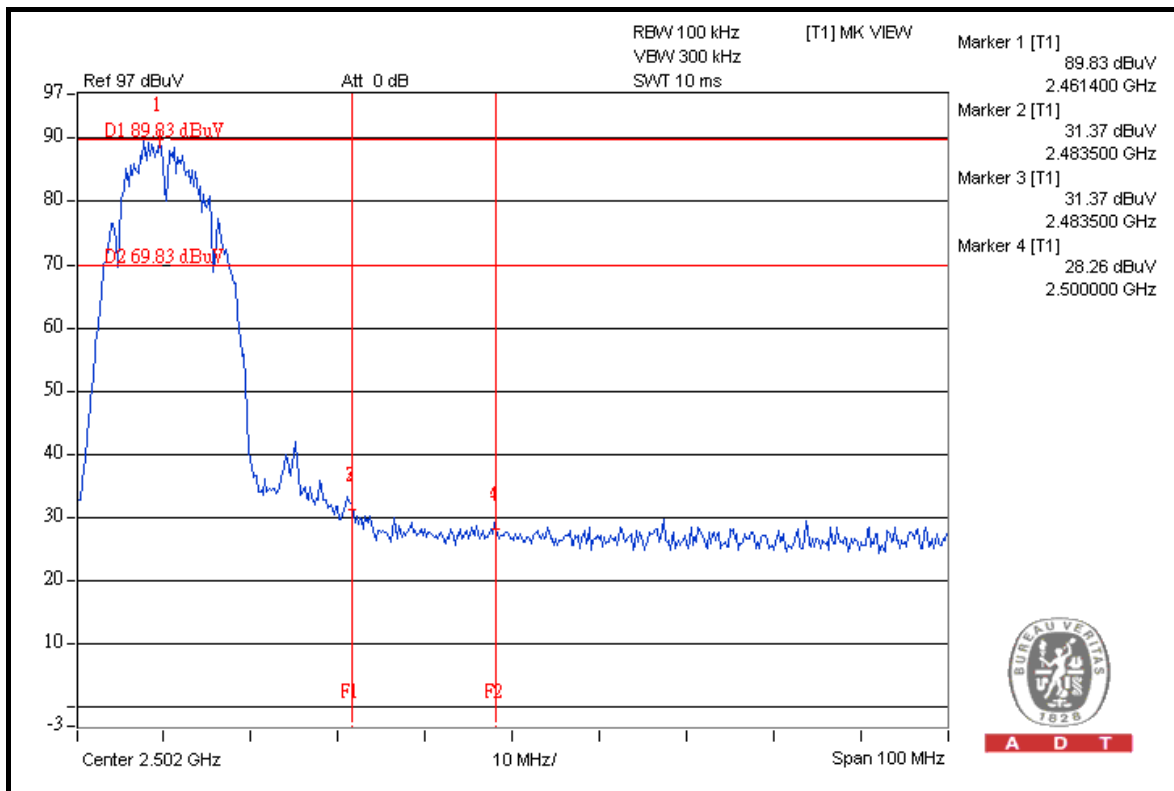




A D T



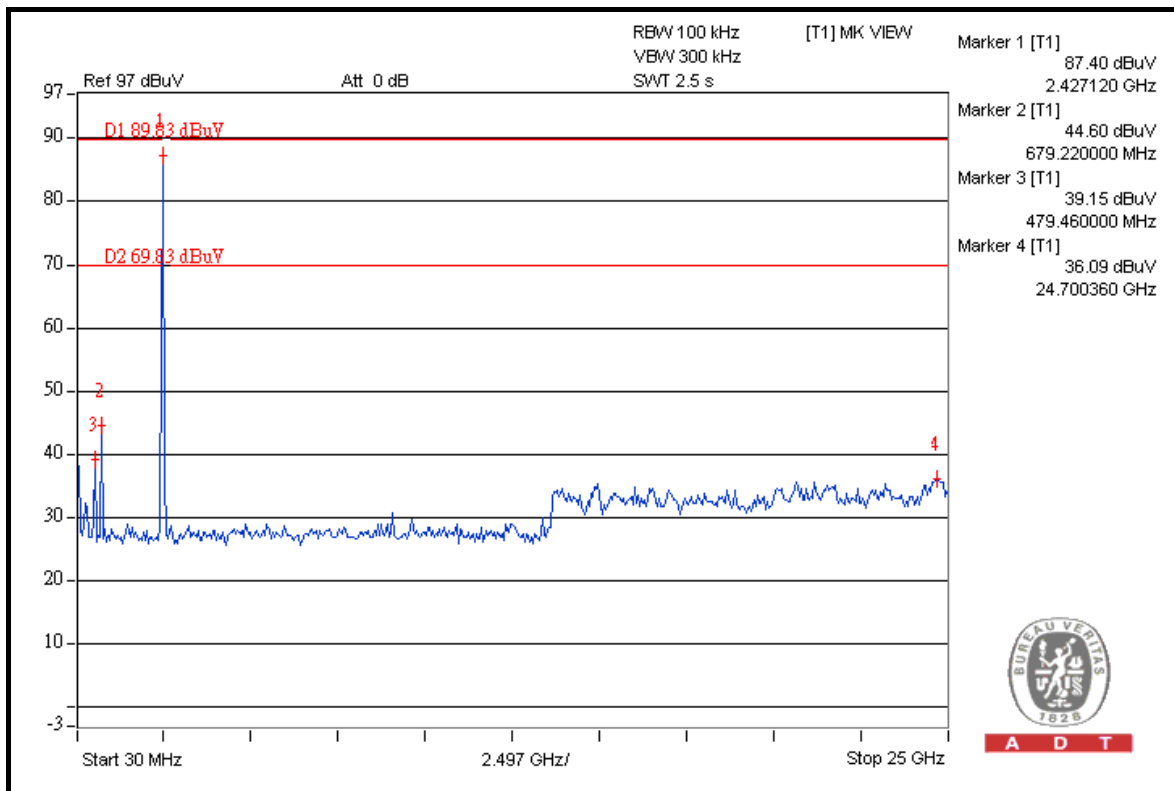
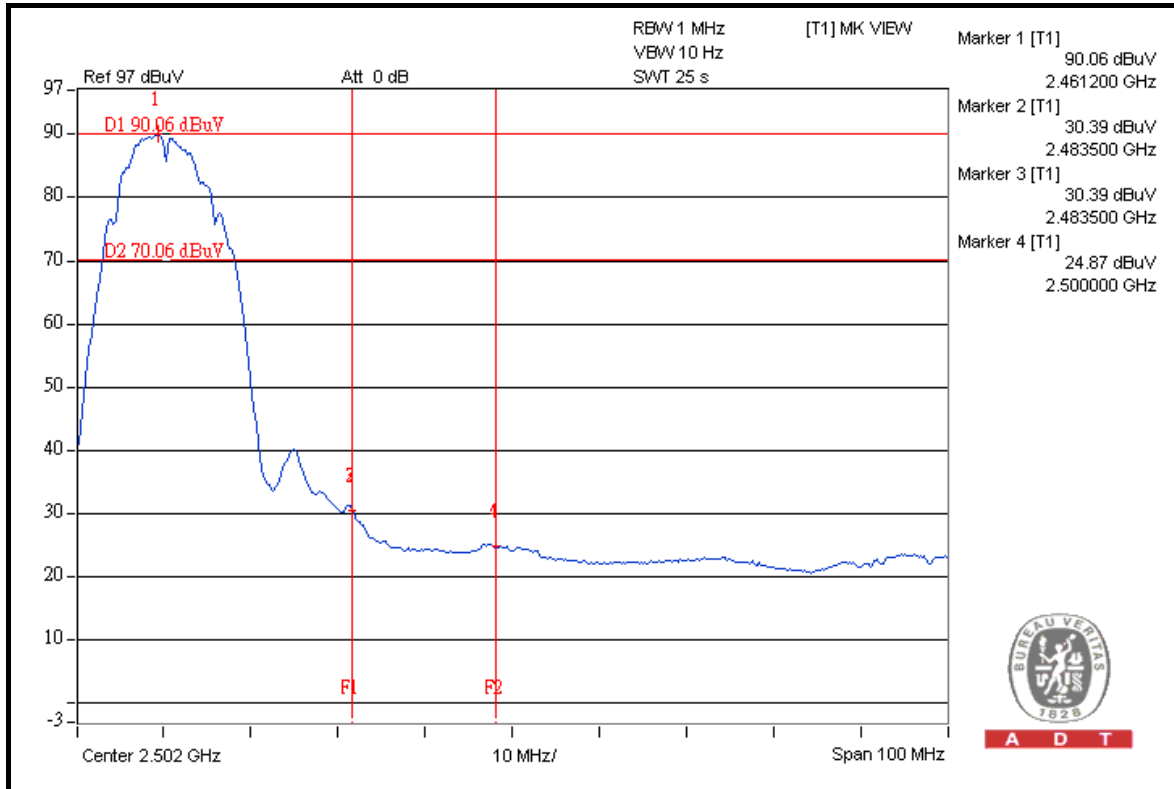
A D T



A D T



A D T





A D T

802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	115.4	50.99	64.41	74.00
2412.00 (AV)	104.8	52.19	52.61	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

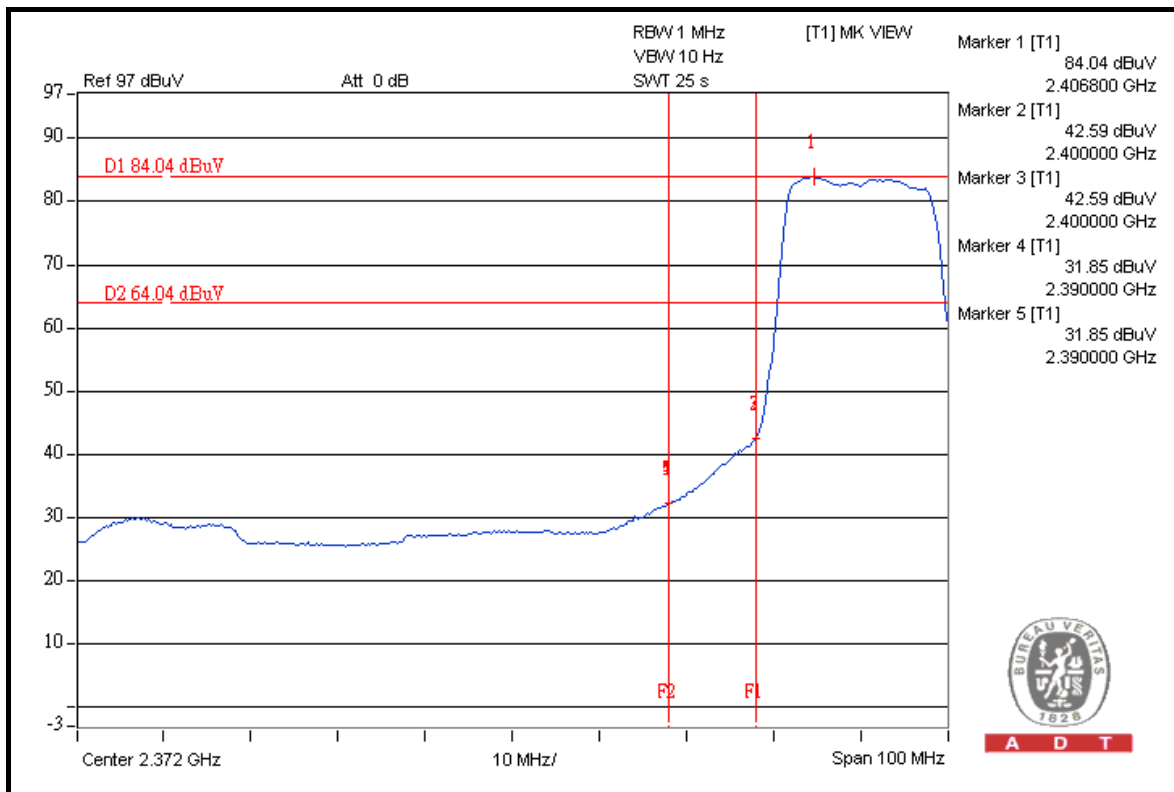
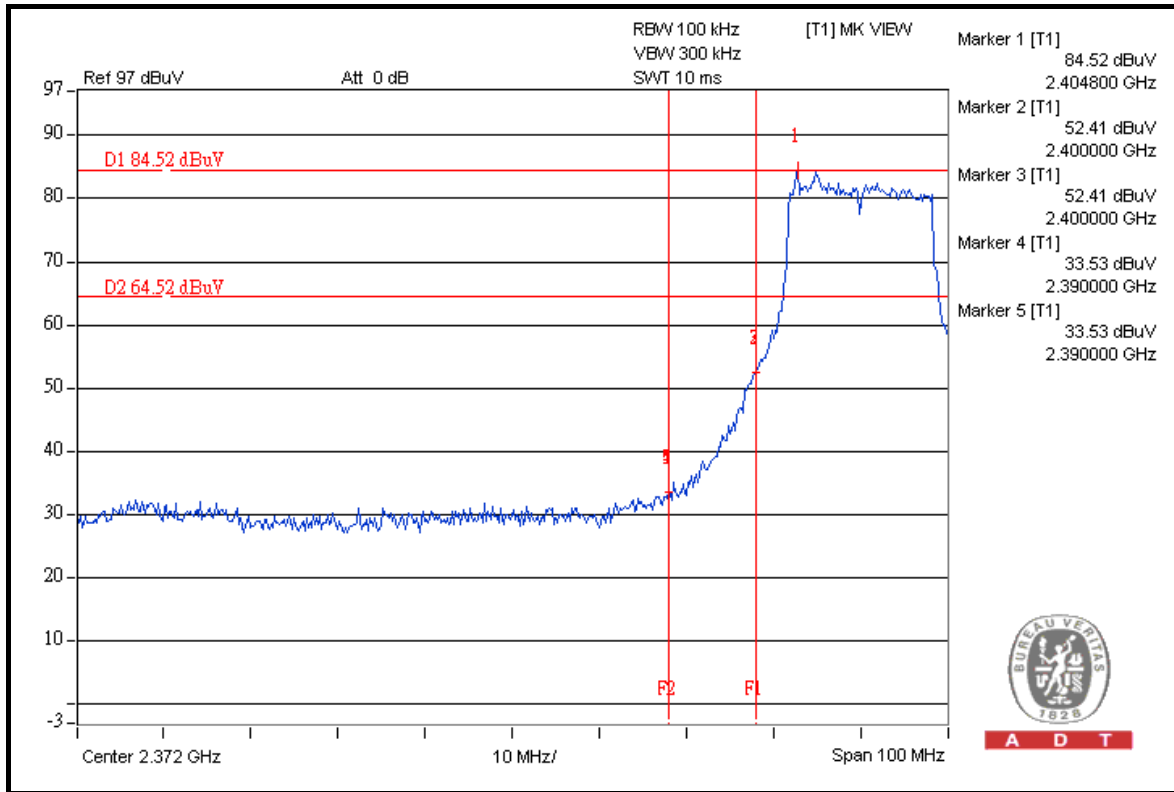
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	114.0	49.17	64.83	74.00
2462.00 (AV)	103.2	51.10	52.10	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

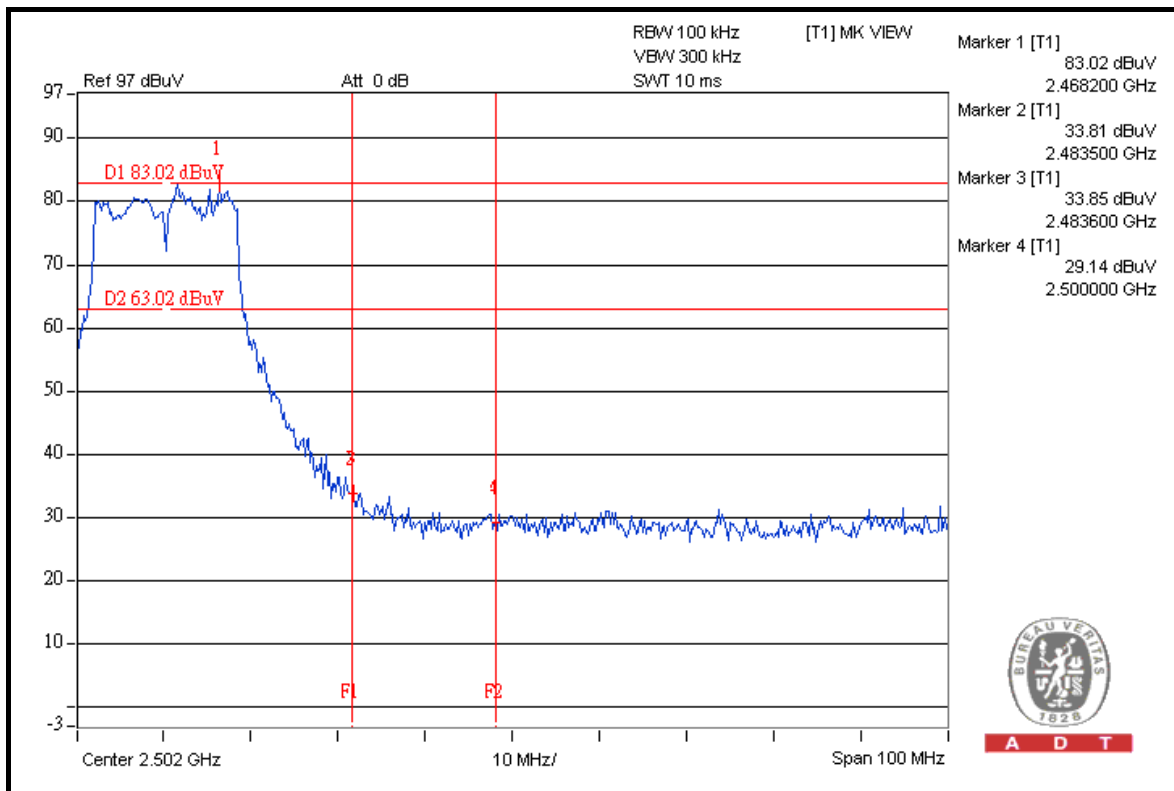
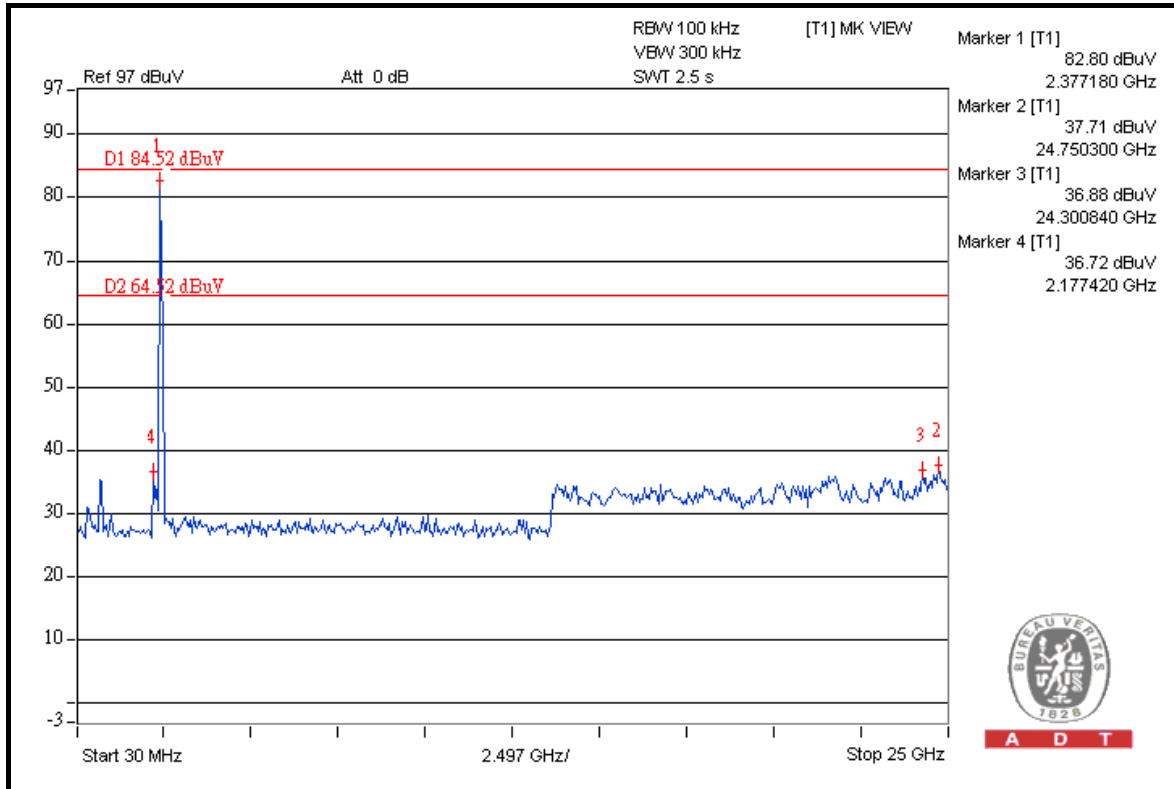


A D T



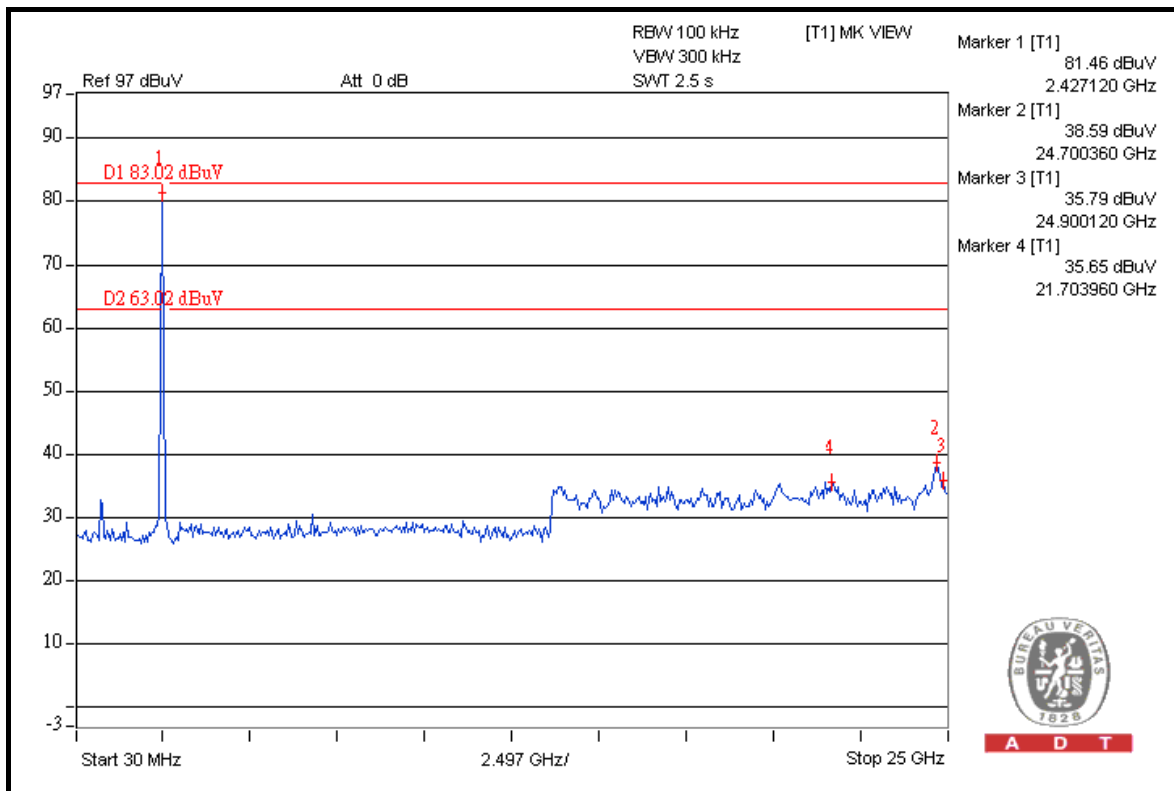
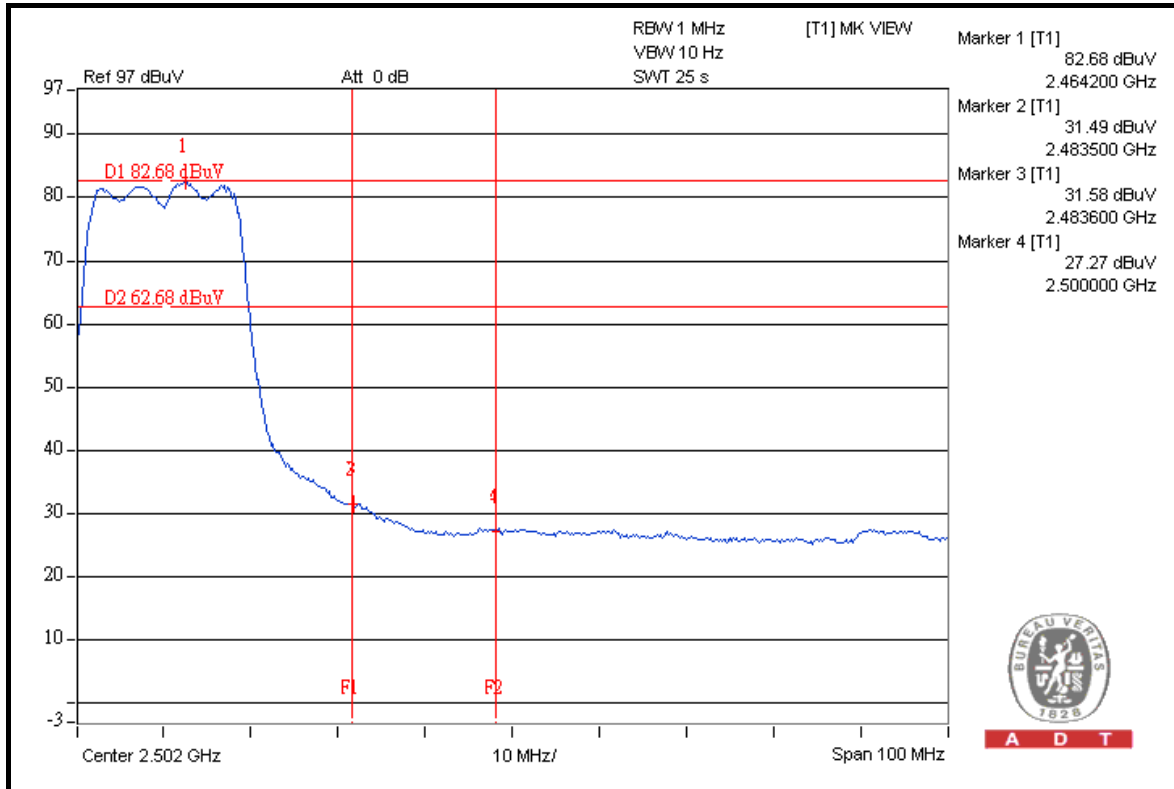


A D T





A D T





A D T

802.11n (20MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	114.6	51.70	62.90	74.00
2412.00 (AV)	103.8	52.64	51.16	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

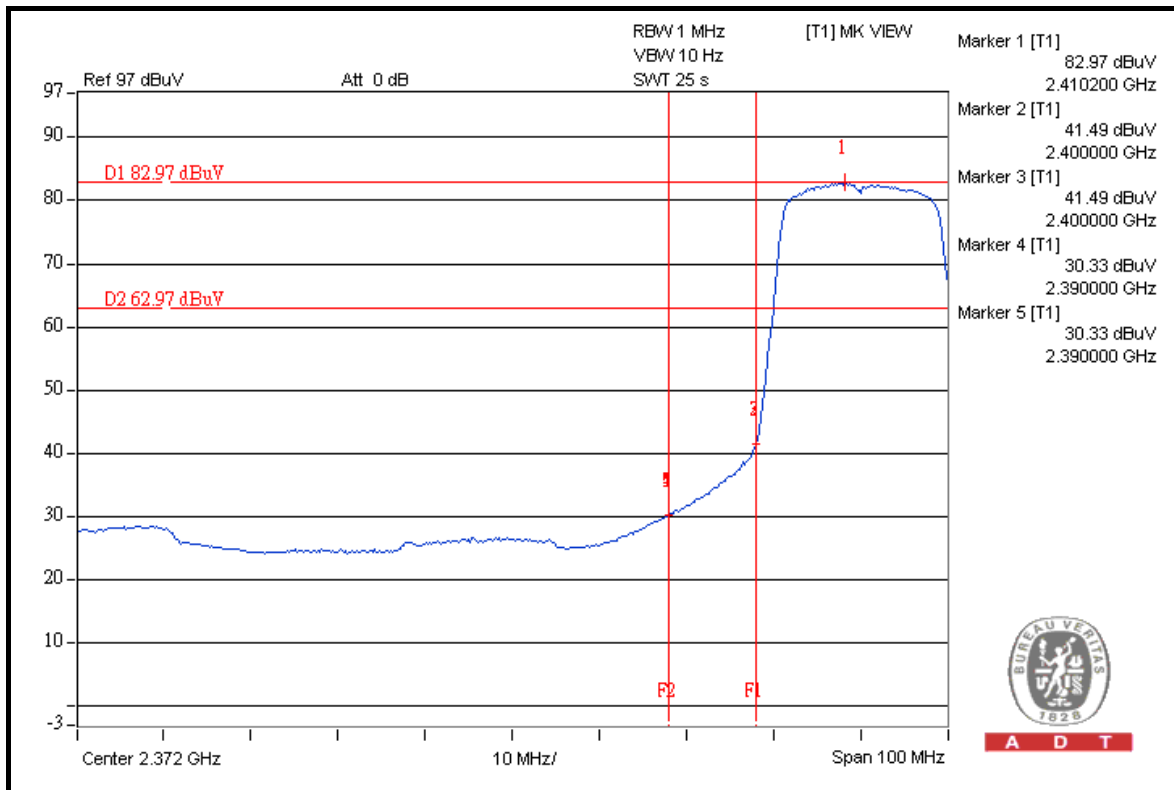
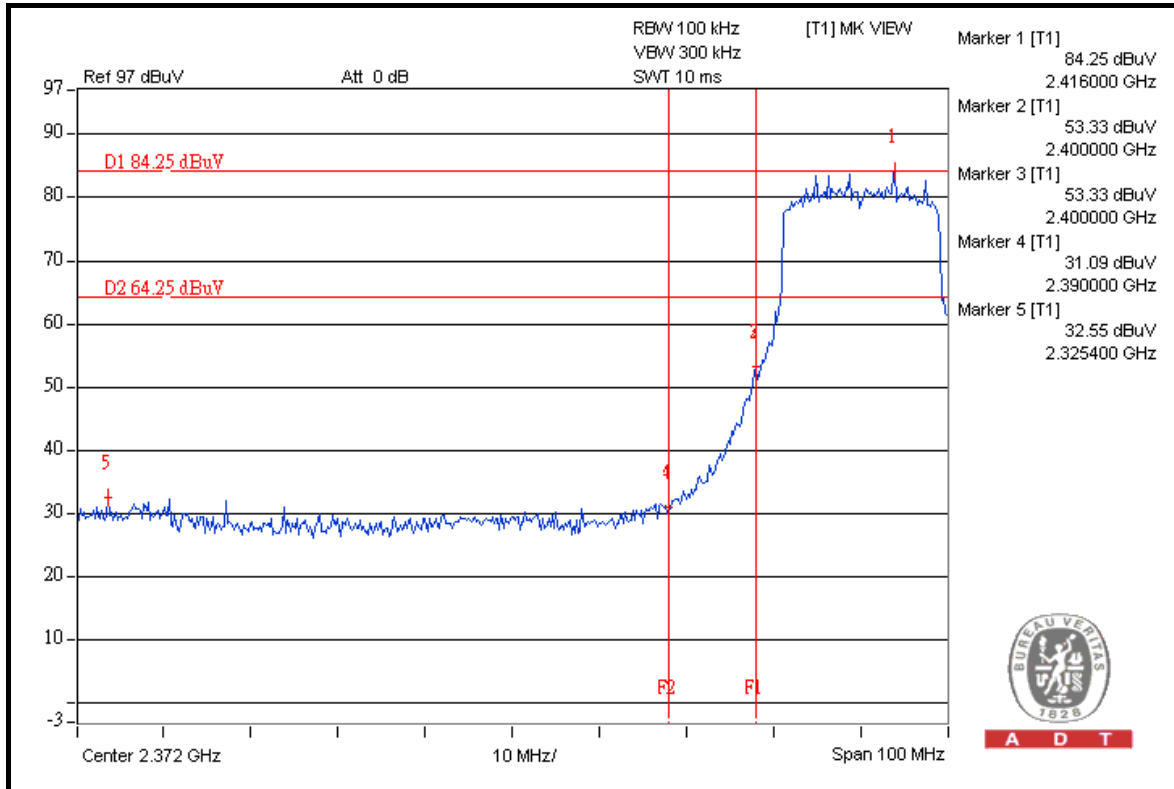
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.6	47.06	66.54	74.00
2462.00 (AV)	102.4	50.18	52.22	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

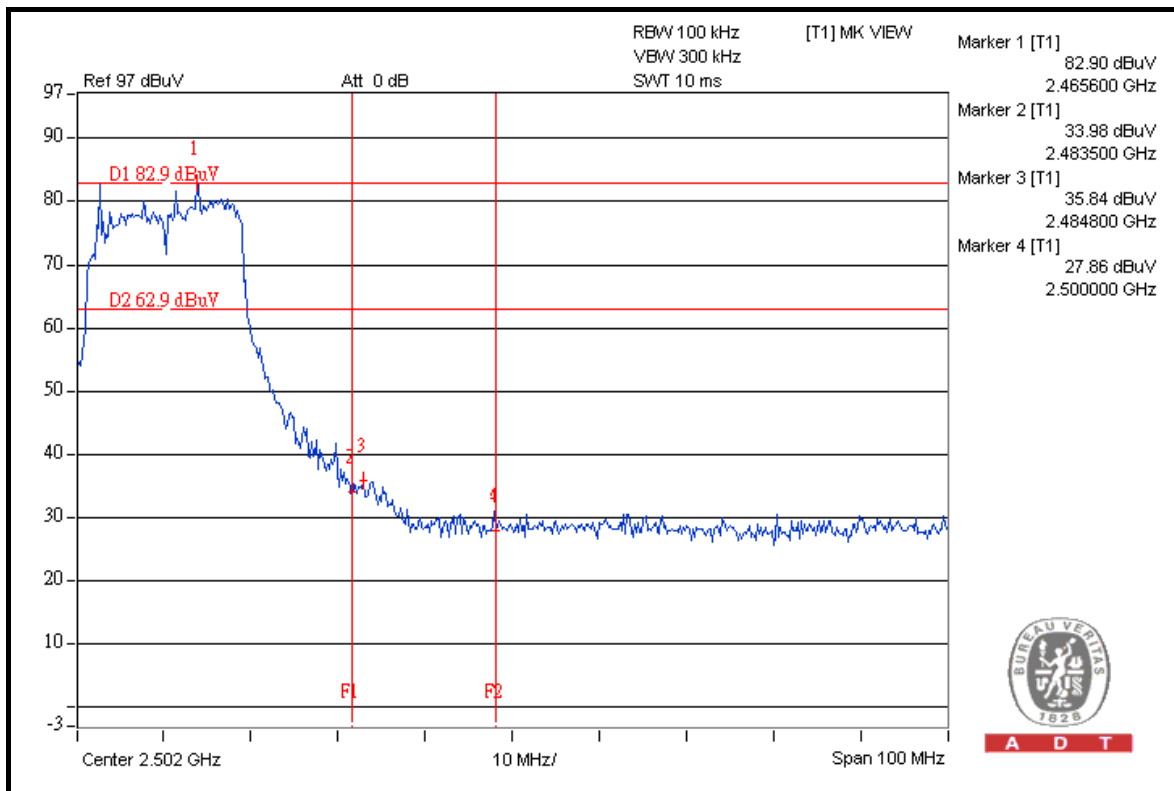
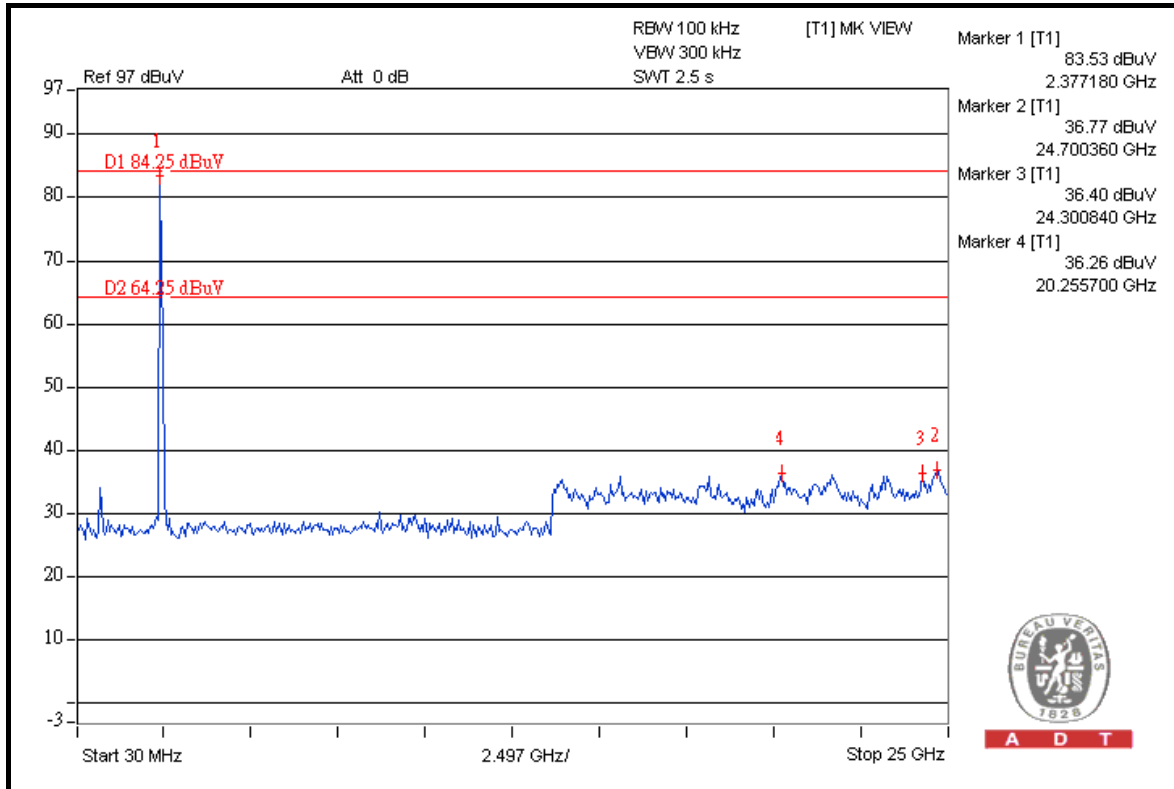


A D T



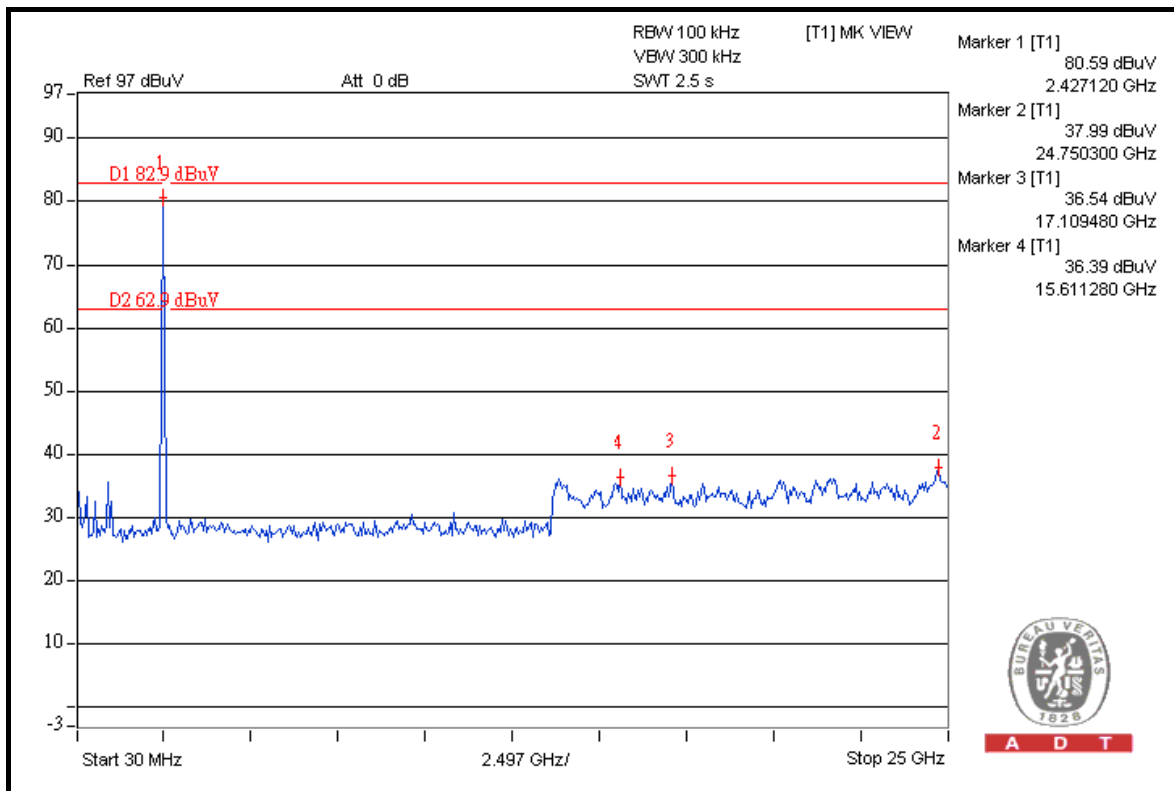
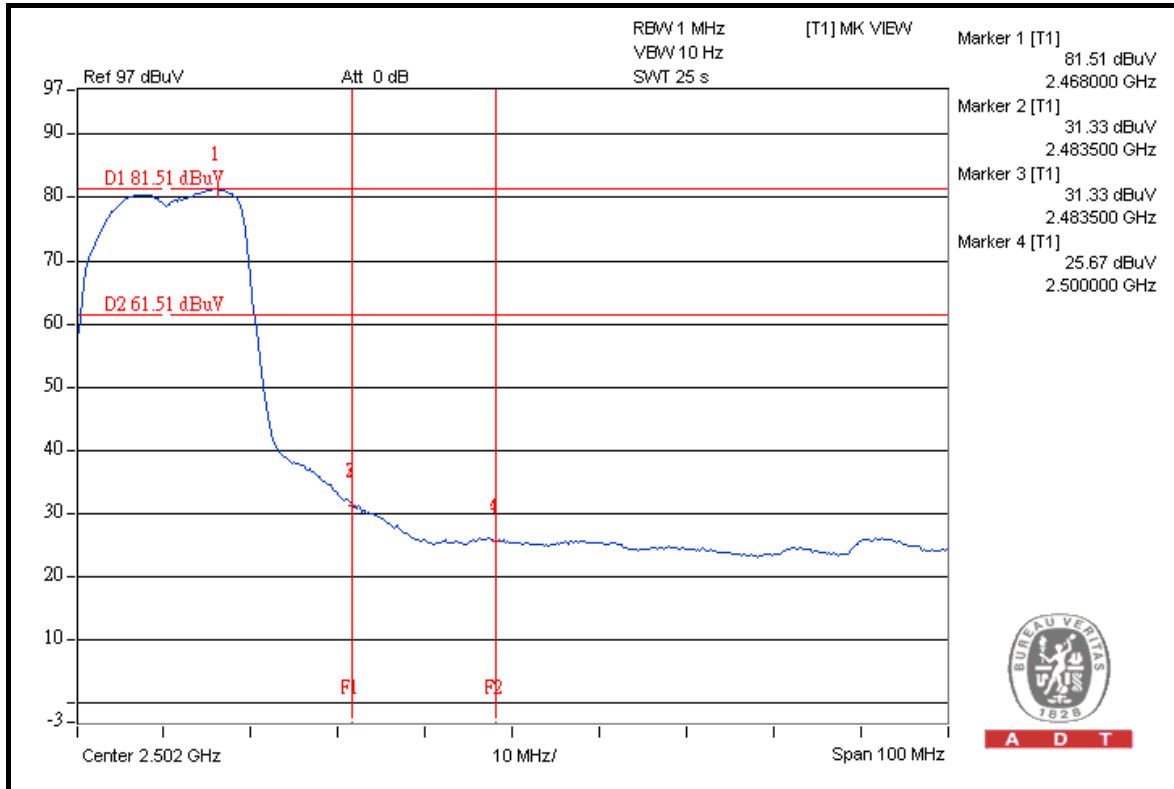


A D T





A D T





A D T

802.11n (40MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	107.9	43.56	64.34	74.00
2422.00 (AV)	97.4	45.42	51.98	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

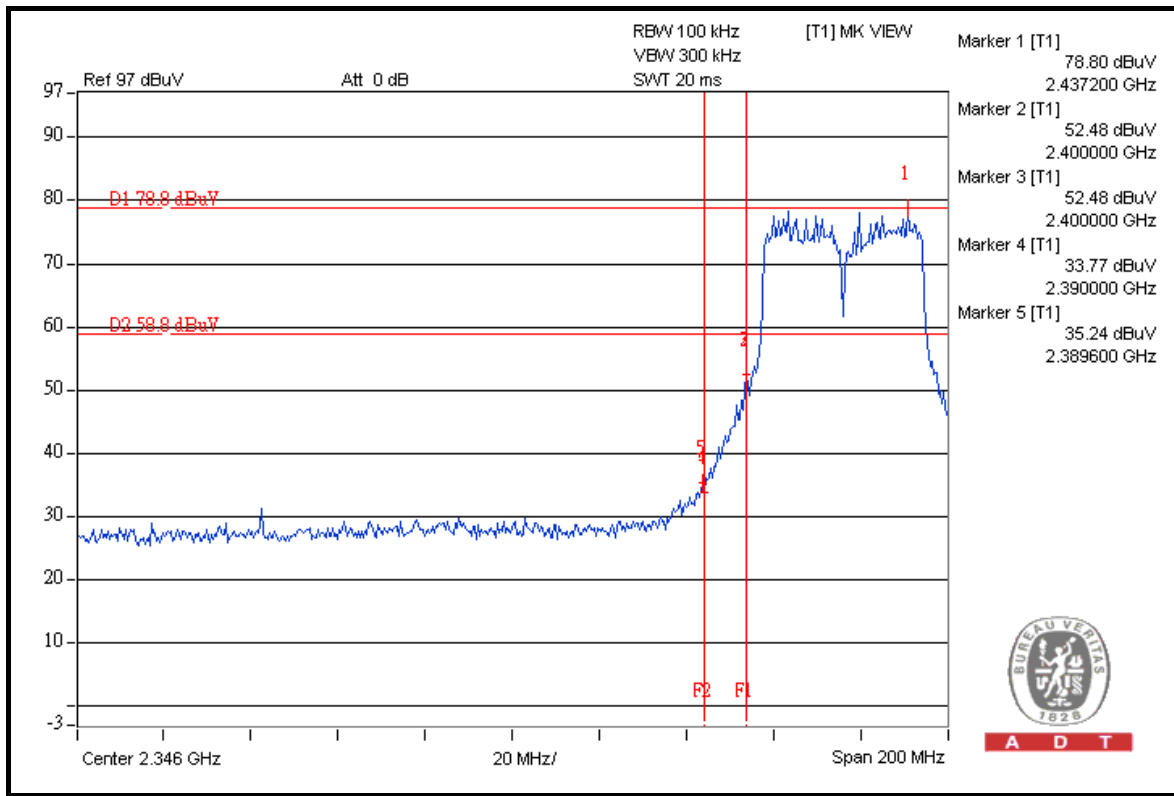
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	106.7	42.22	64.48	74.00
2452.00 (AV)	94.9	44.92	49.98	54.00

NOTE:

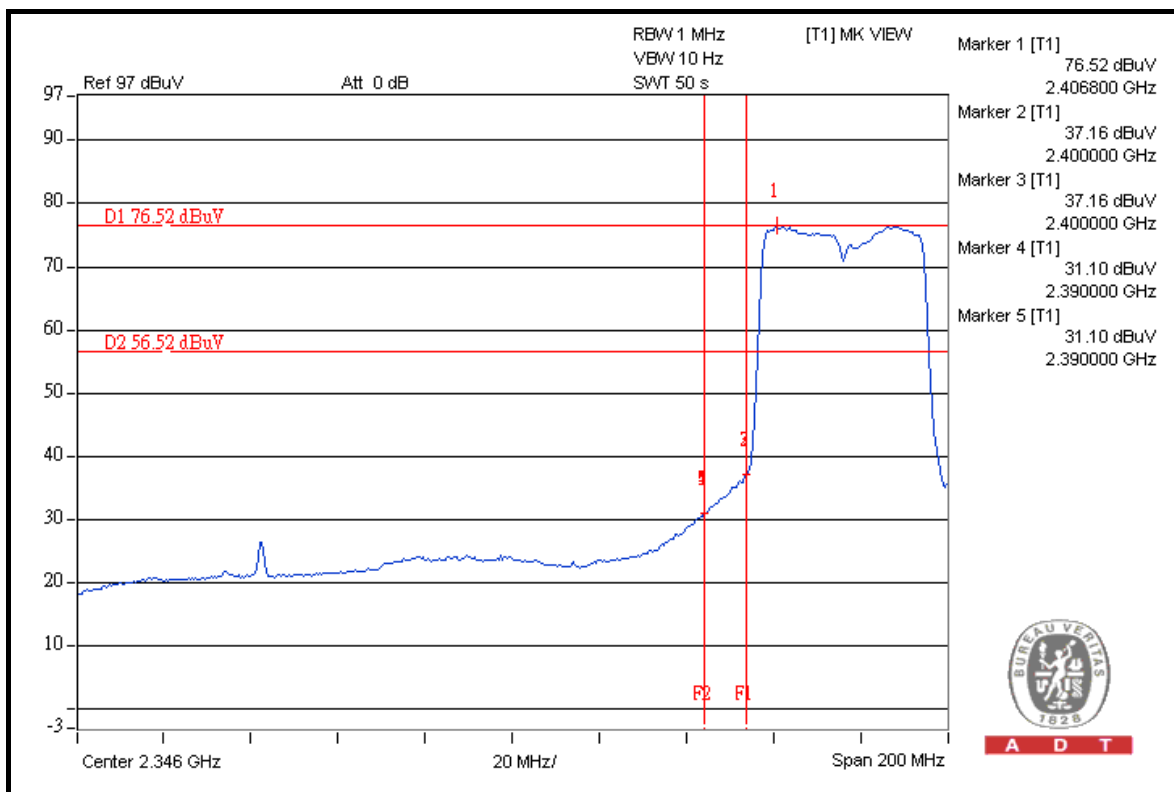
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.



A D T



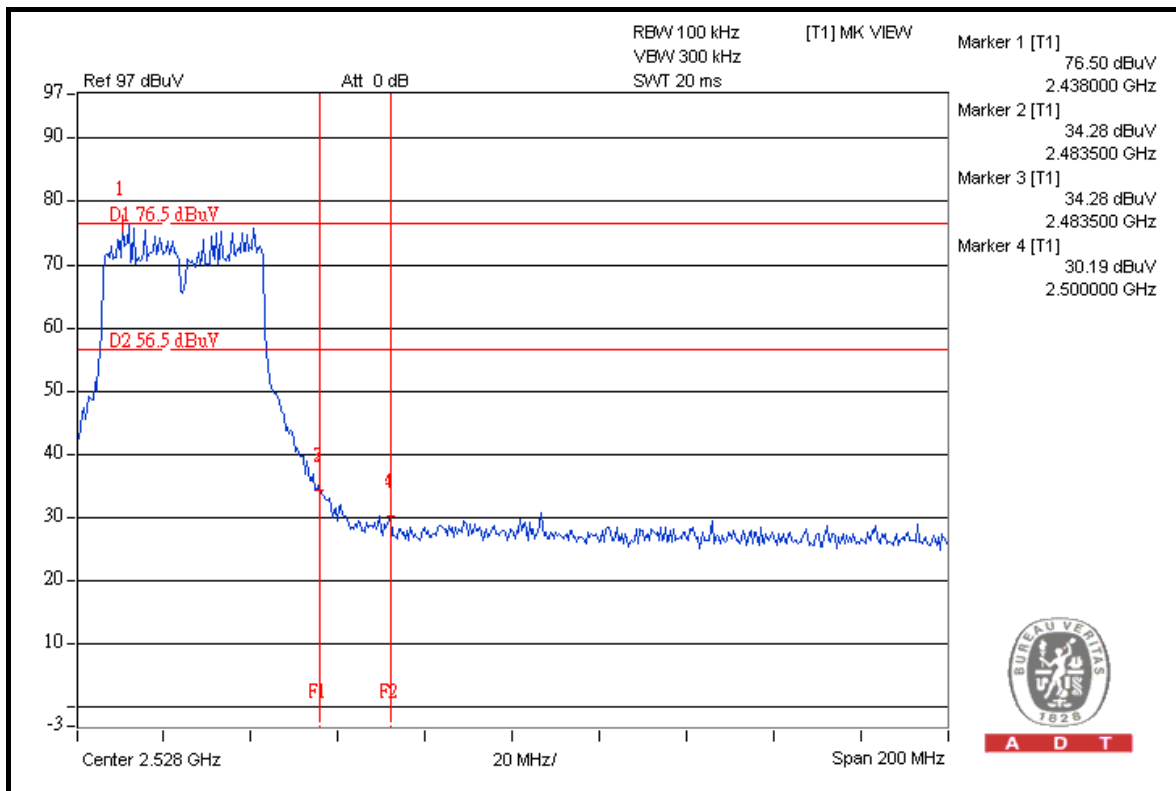
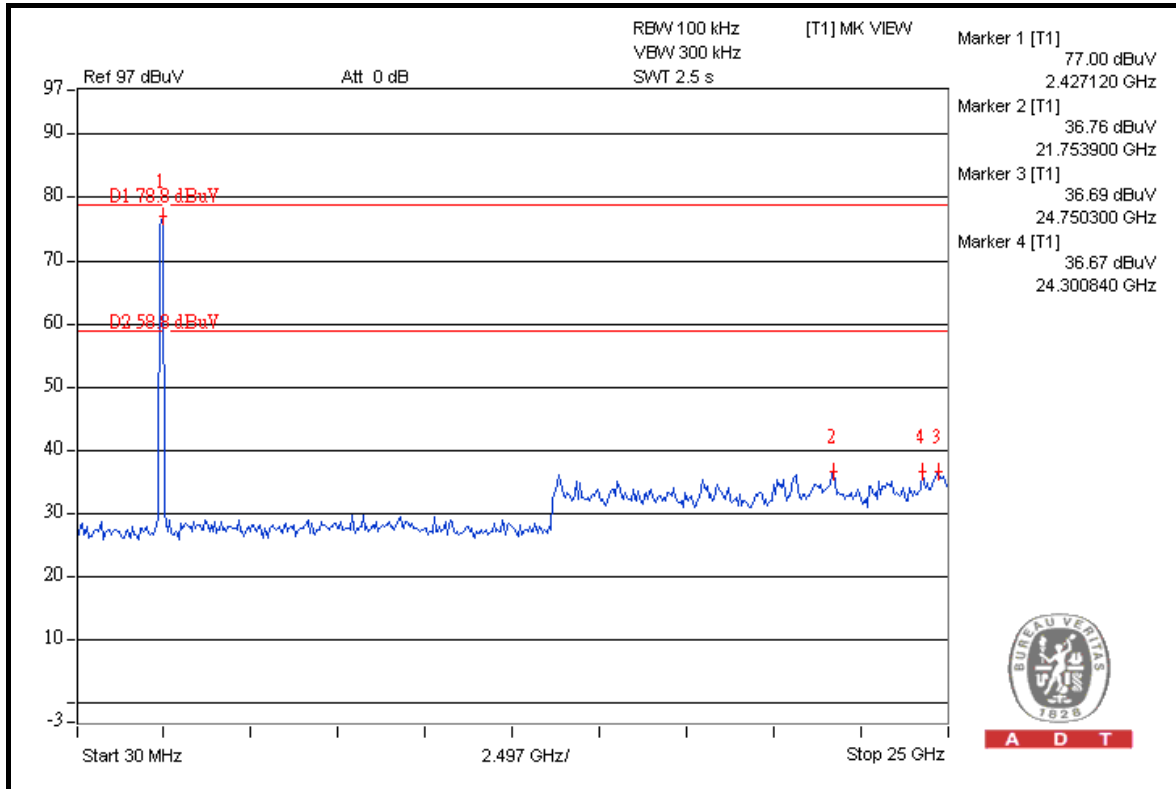
A D T



A D T

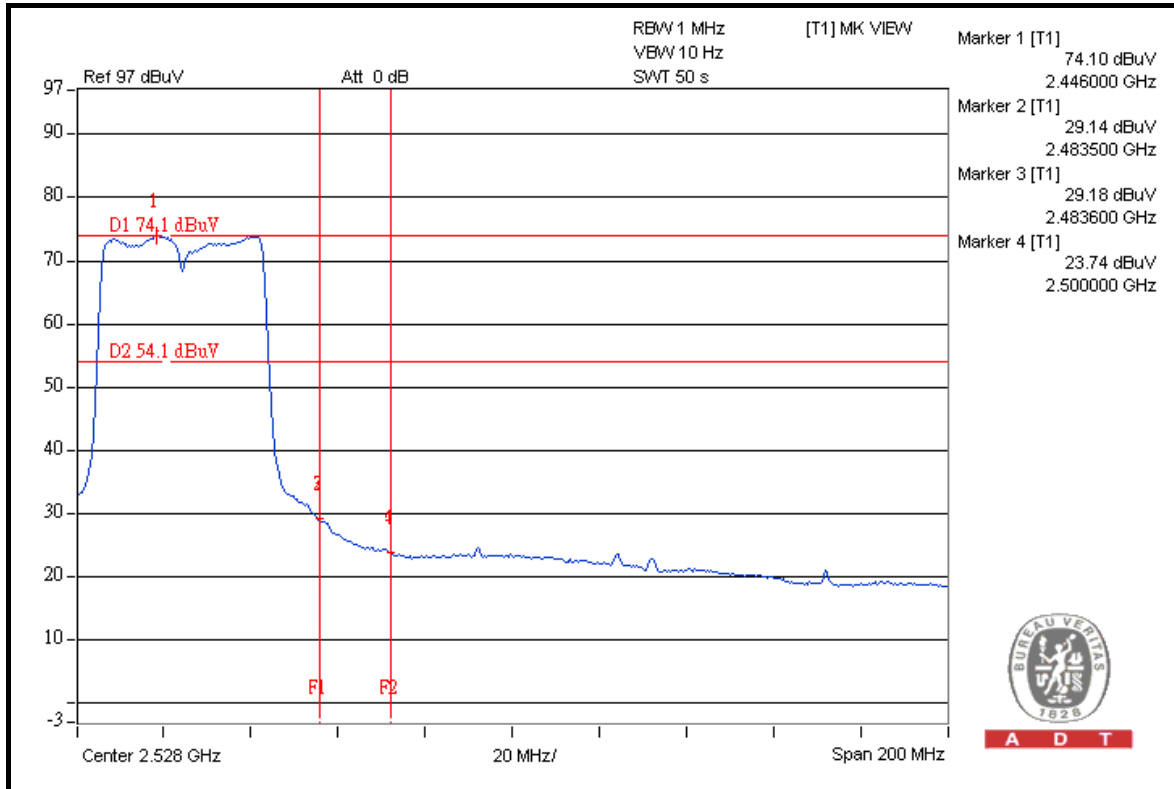


A D T

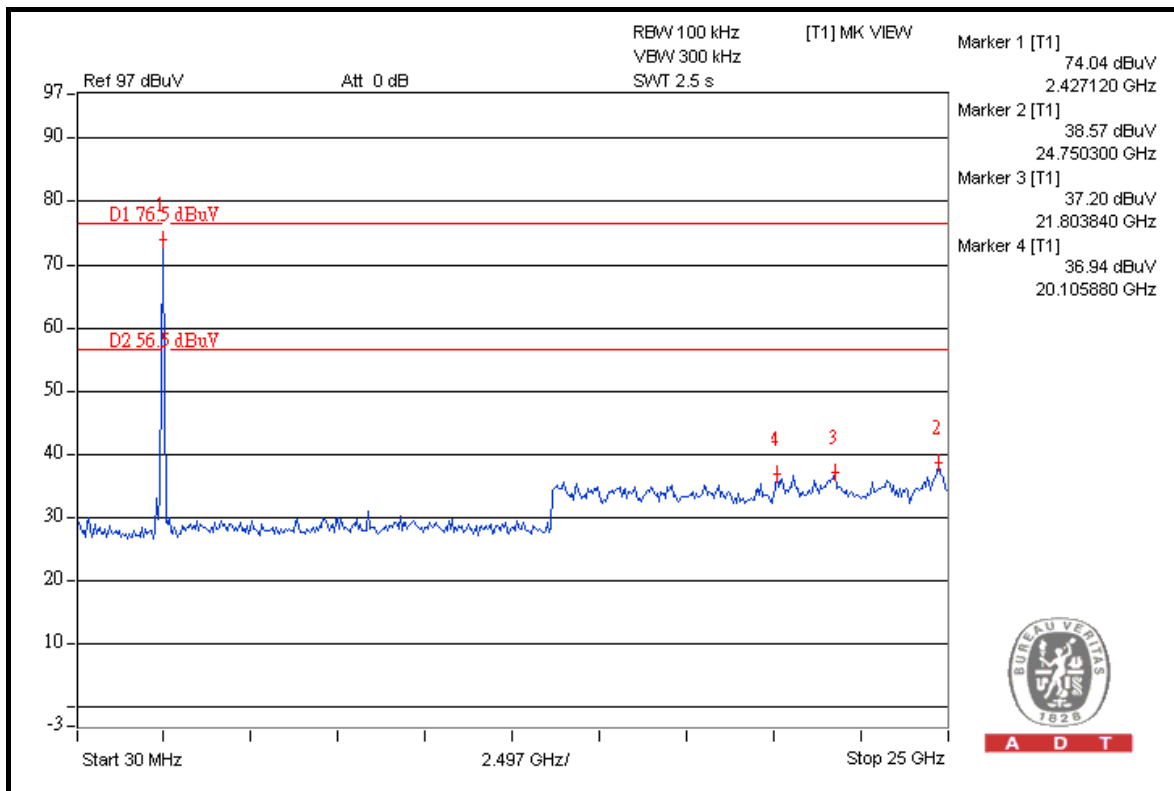




A D T



A D T



A D T



A D T

4.6.11 TEST RESULTS (TEST MODE C 2)

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	113.7	57.03	56.67	74.00
2412.00 (AV)	111.8	59.75	52.05	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

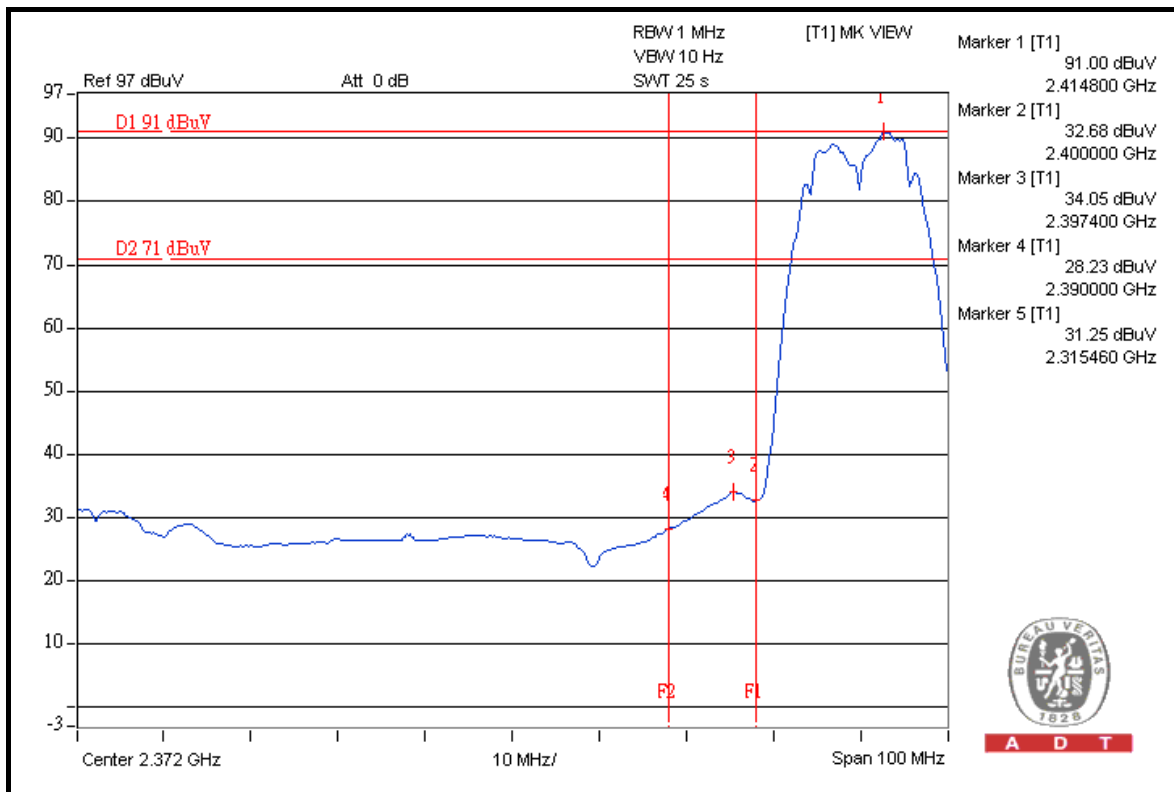
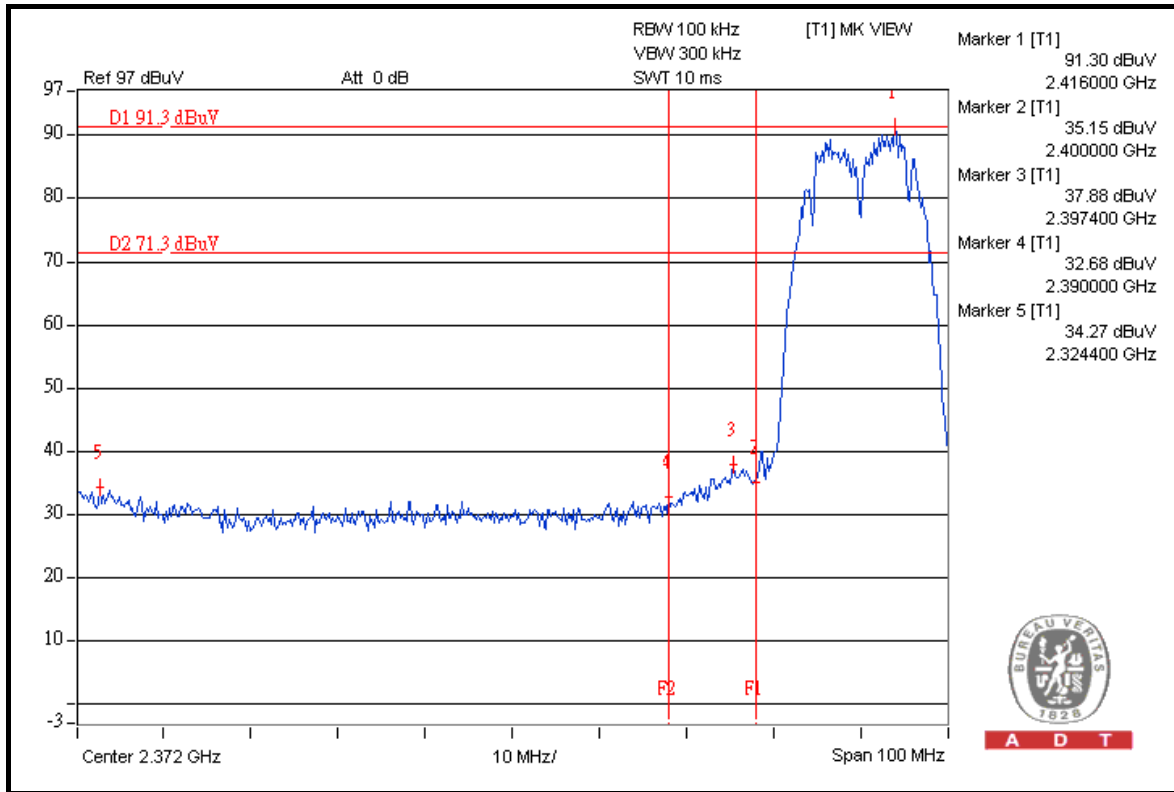
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.2	58.27	54.93	74.00
2462.00 (AV)	111.4	59.3	52.10	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

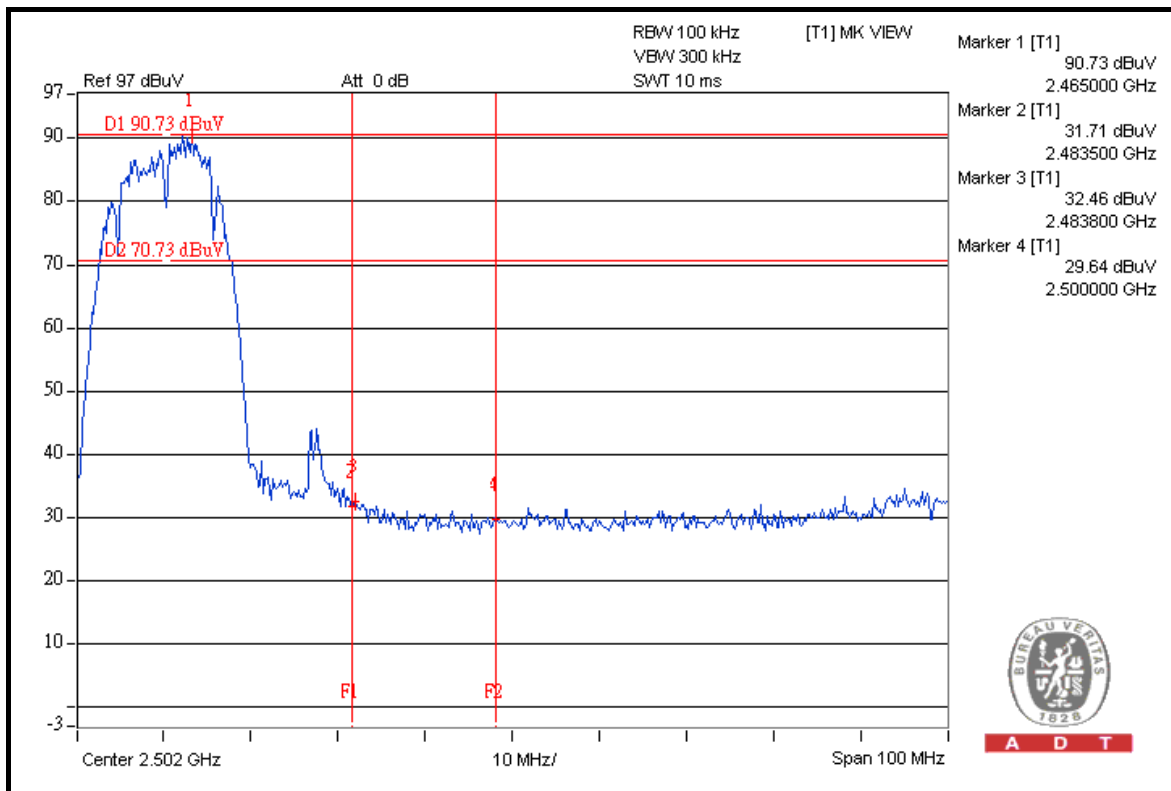
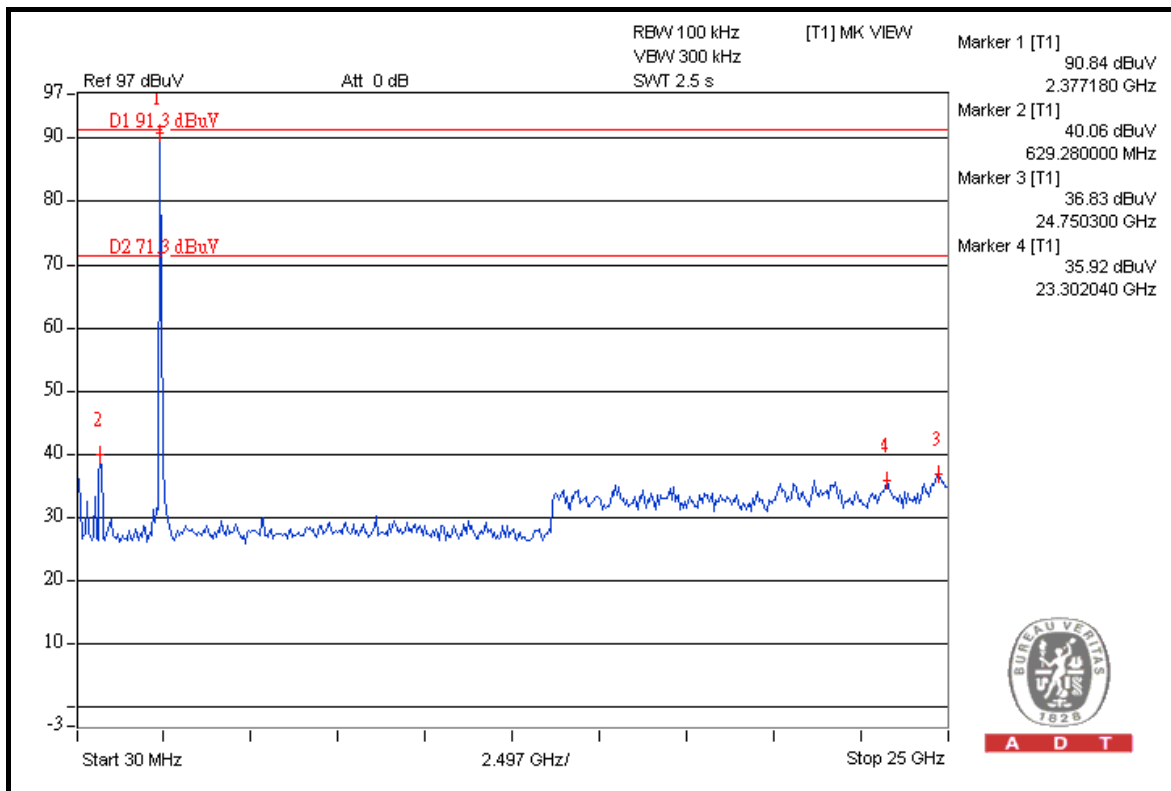


A D T



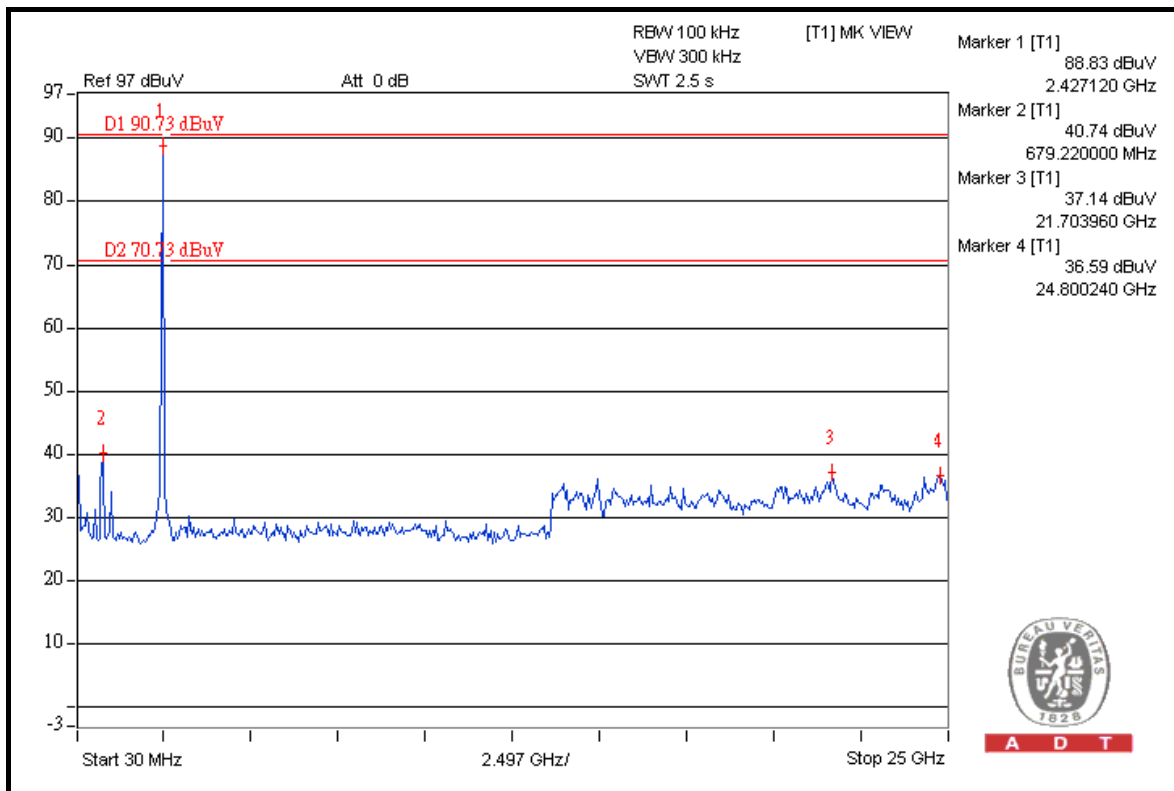
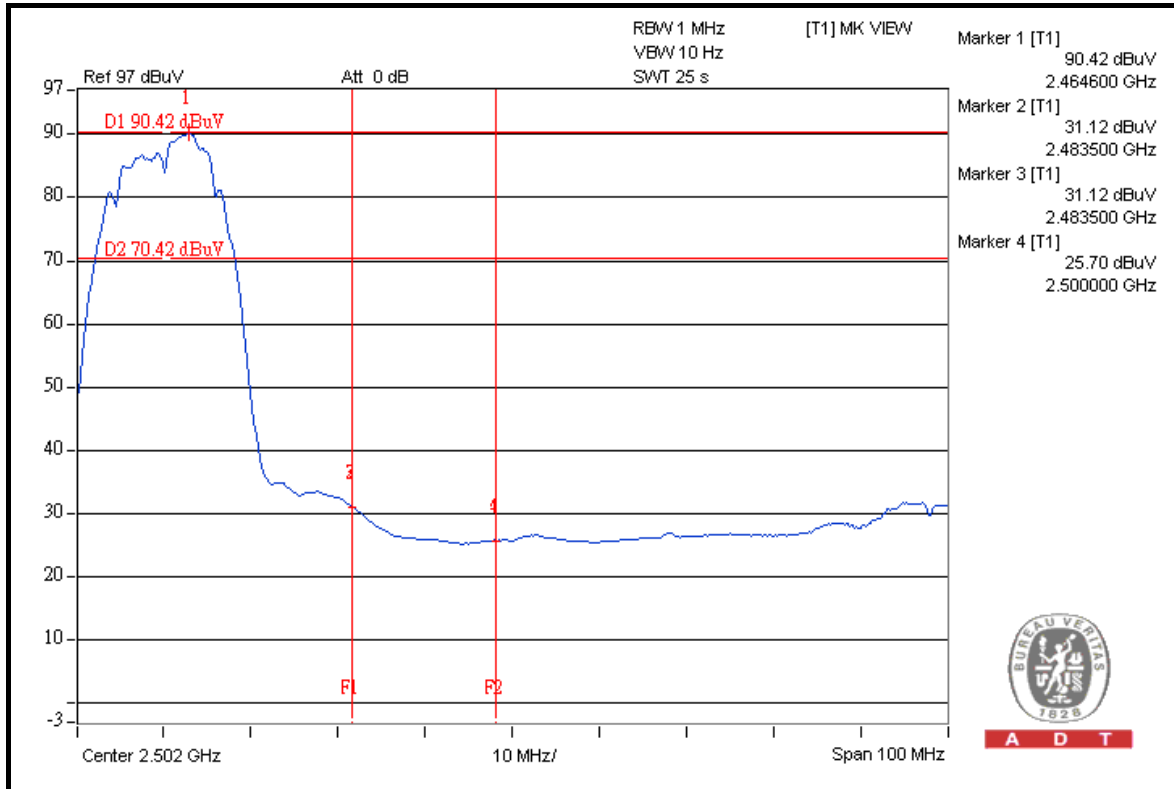


A D T





A D T





A D T

802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	115.6	52.4	63.20	74.00
2412.00 (AV)	105.0	52.98	52.02	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

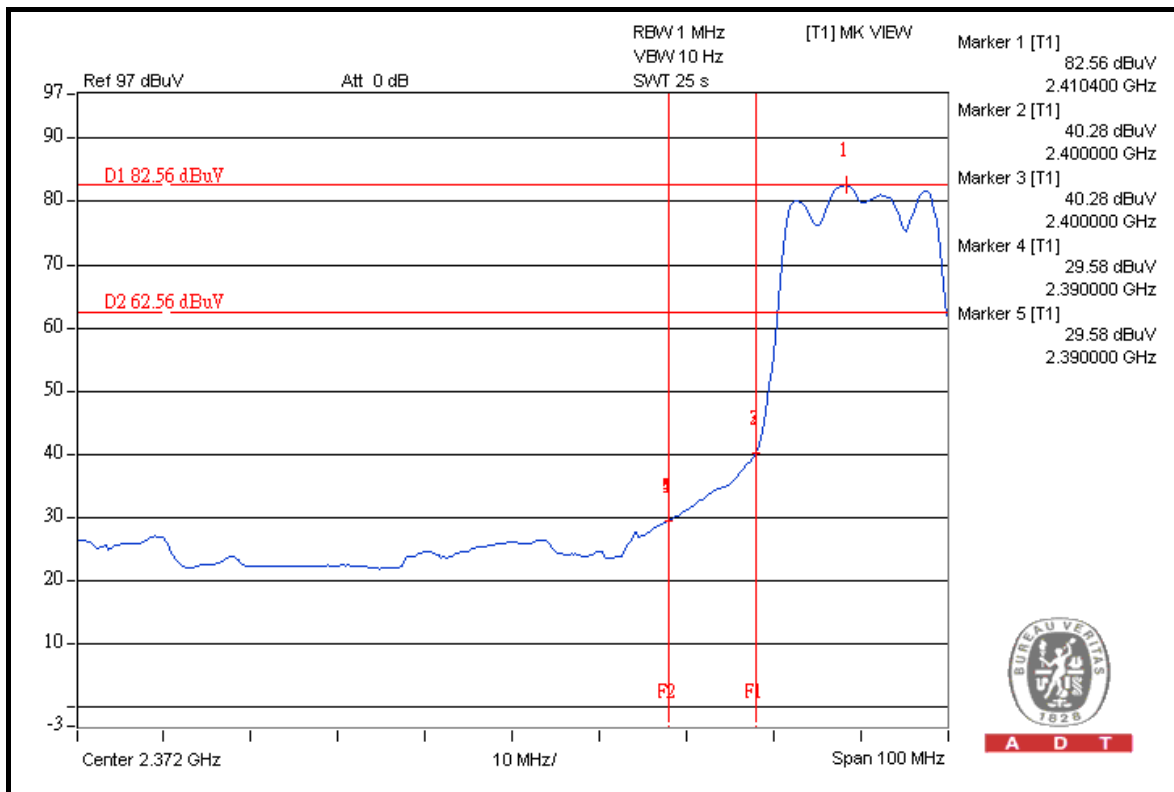
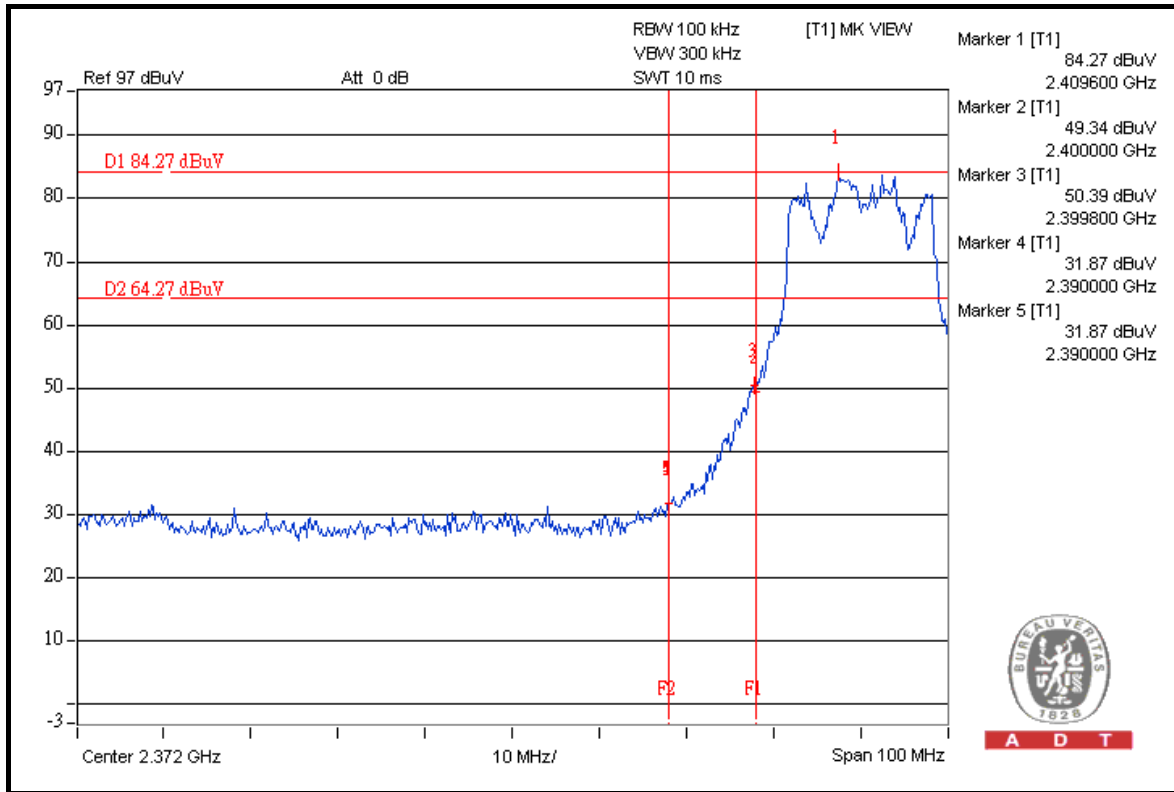
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	114.2	50.41	63.79	74.00
2462.00 (AV)	103.4	52.55	50.85	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

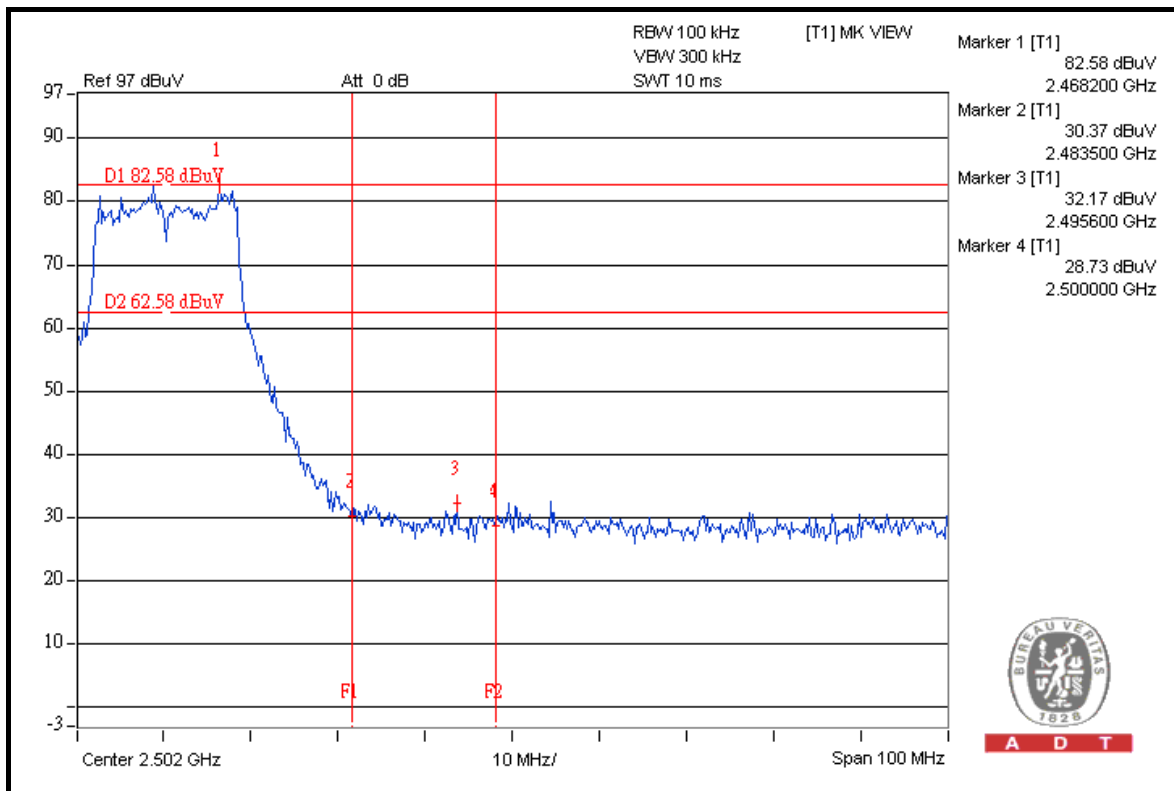
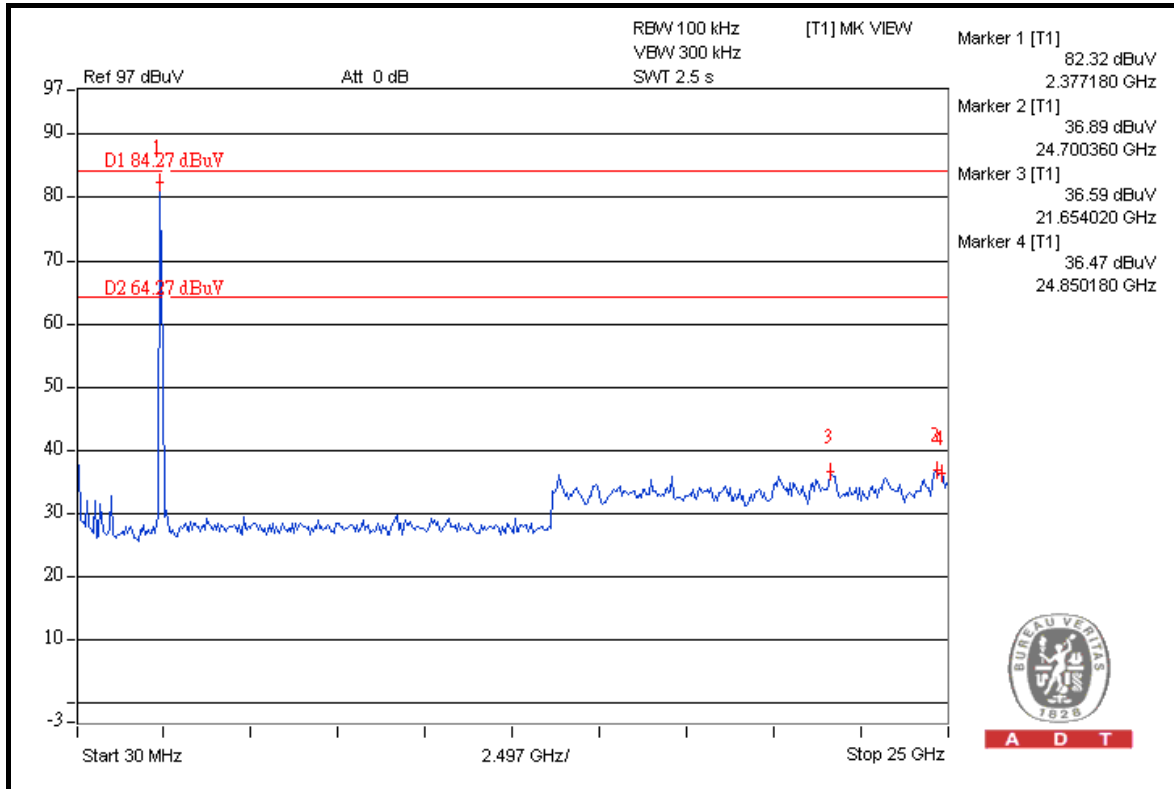


A D T



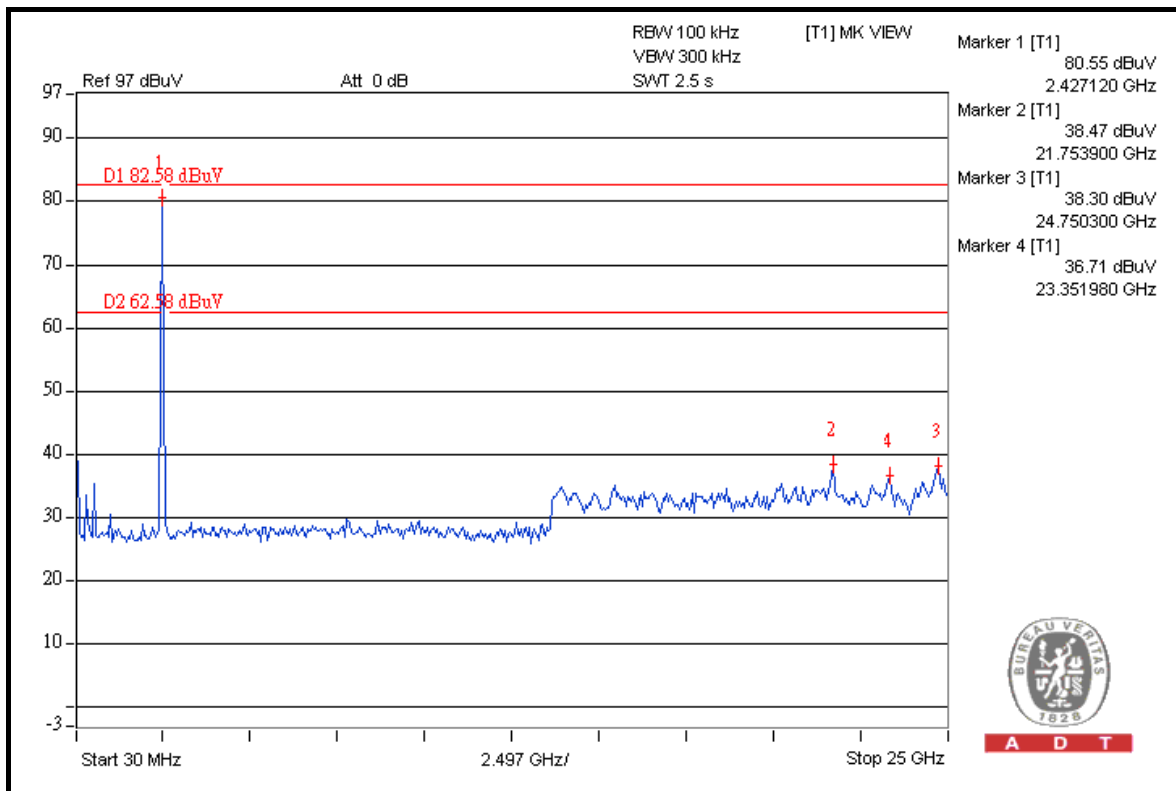
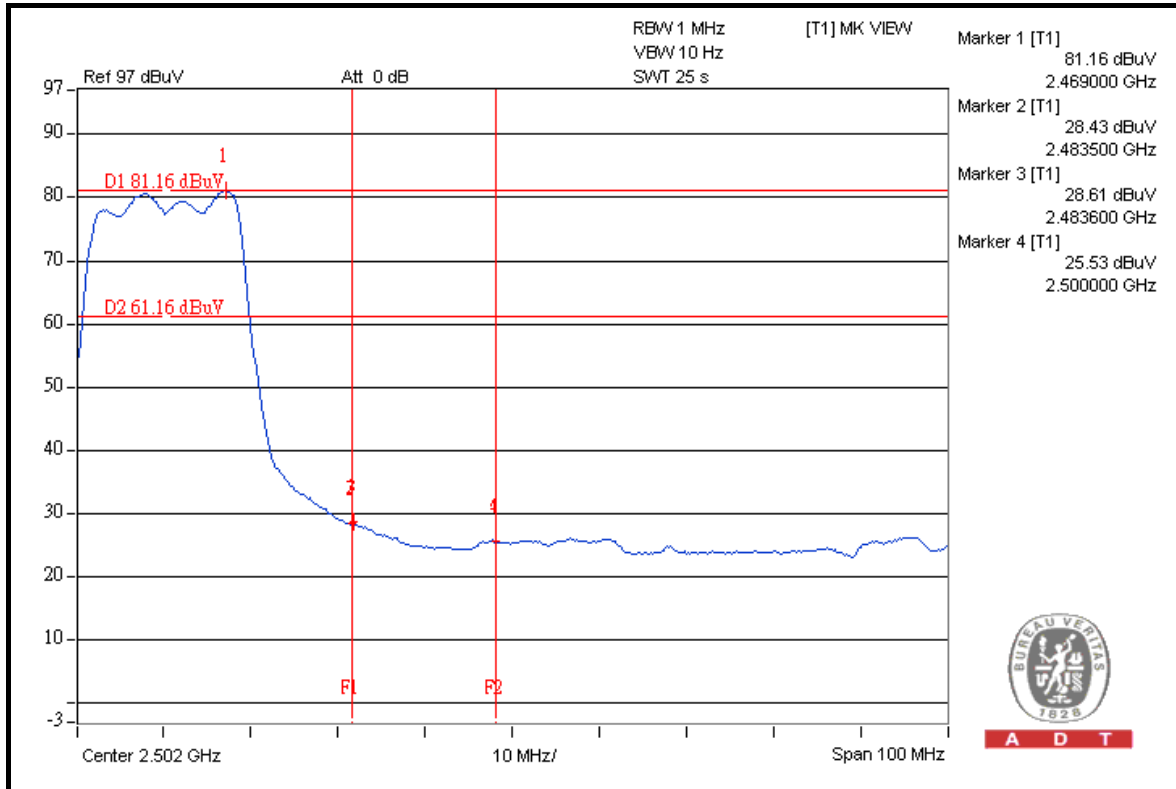


A D T





A D T





A D T

802.11n (20MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	114.9	52.85	62.05	74.00
2412.00 (AV)	104.1	52.90	51.20	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

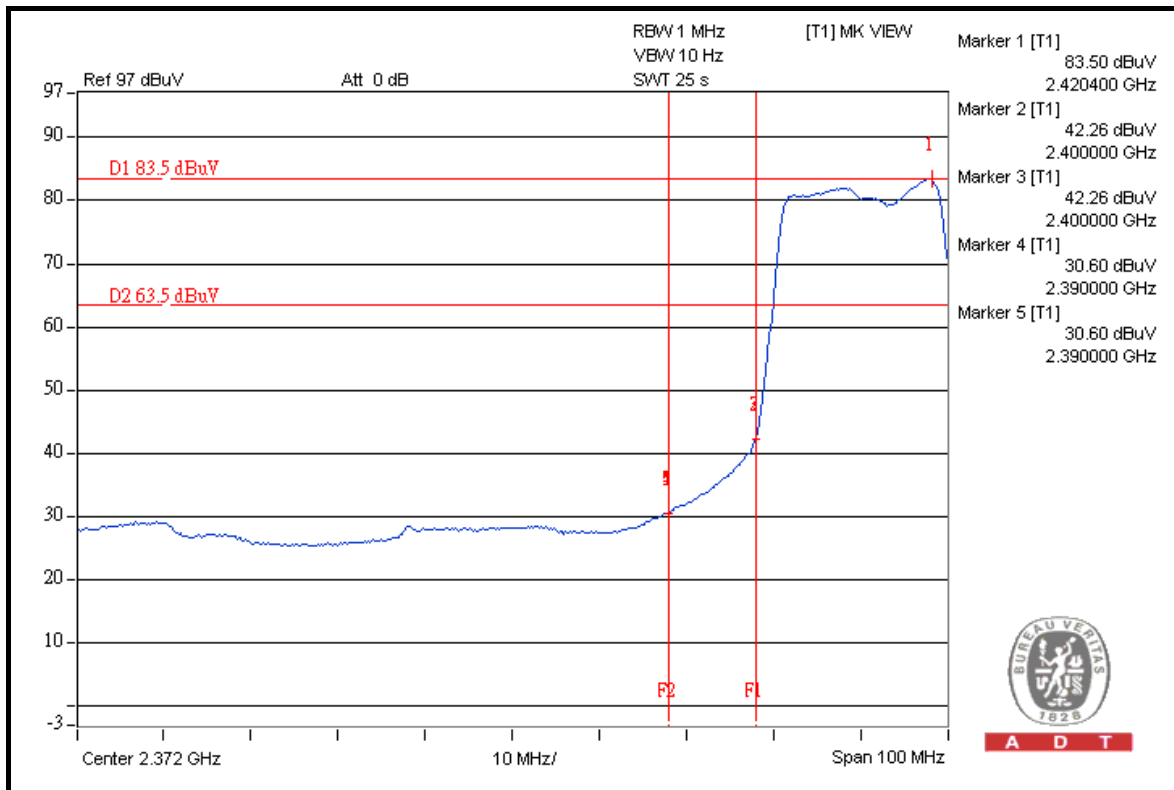
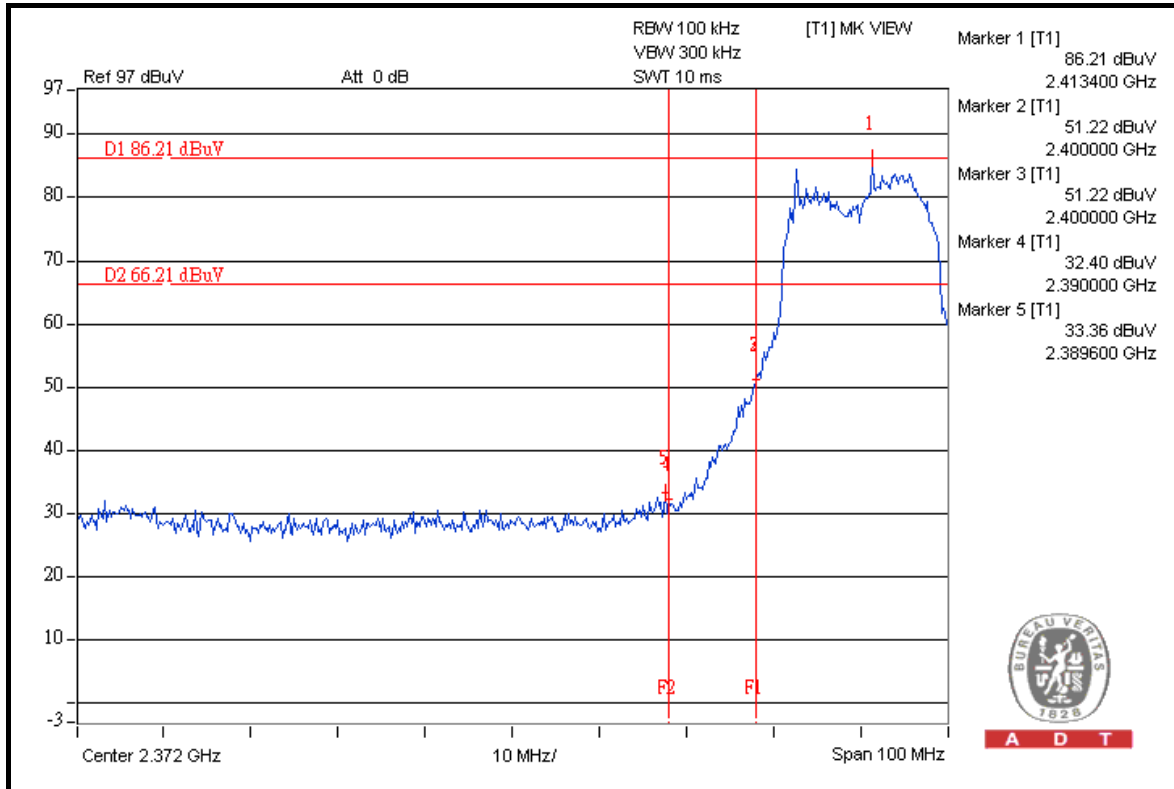
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.9	48.4	65.50	74.00
2462.00 (AV)	102.6	50.88	51.72	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

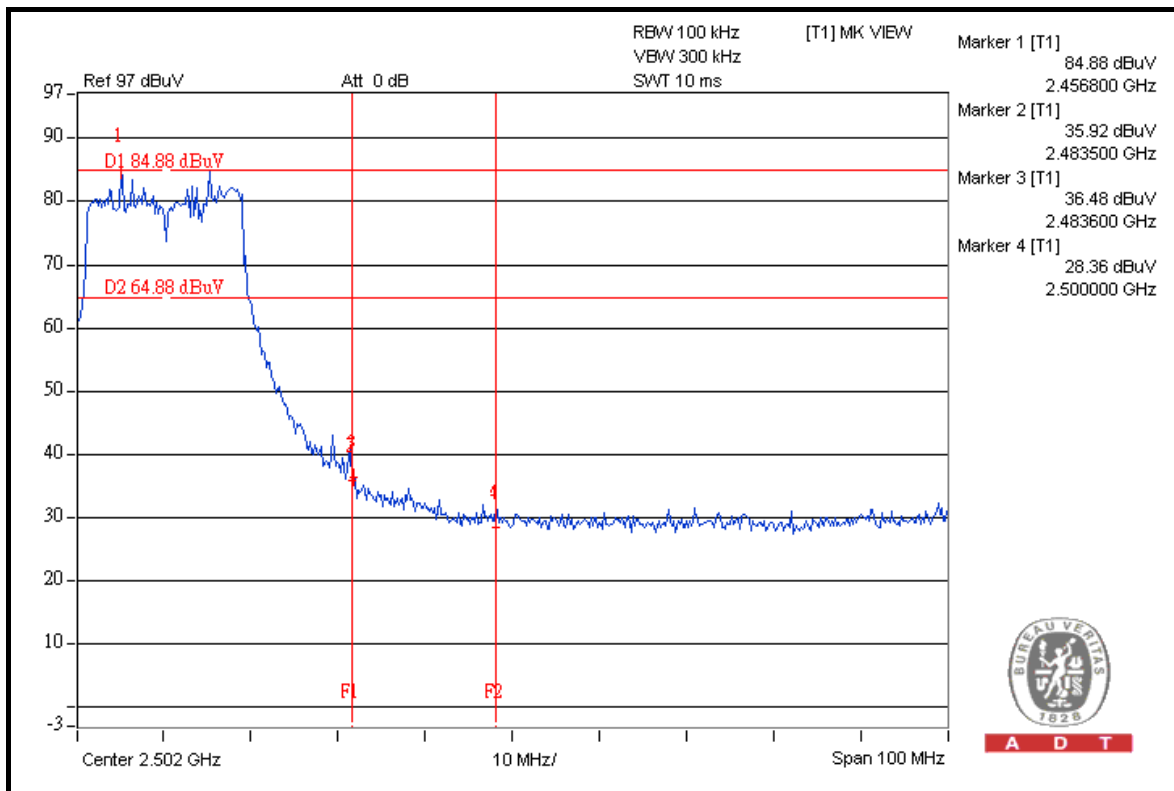
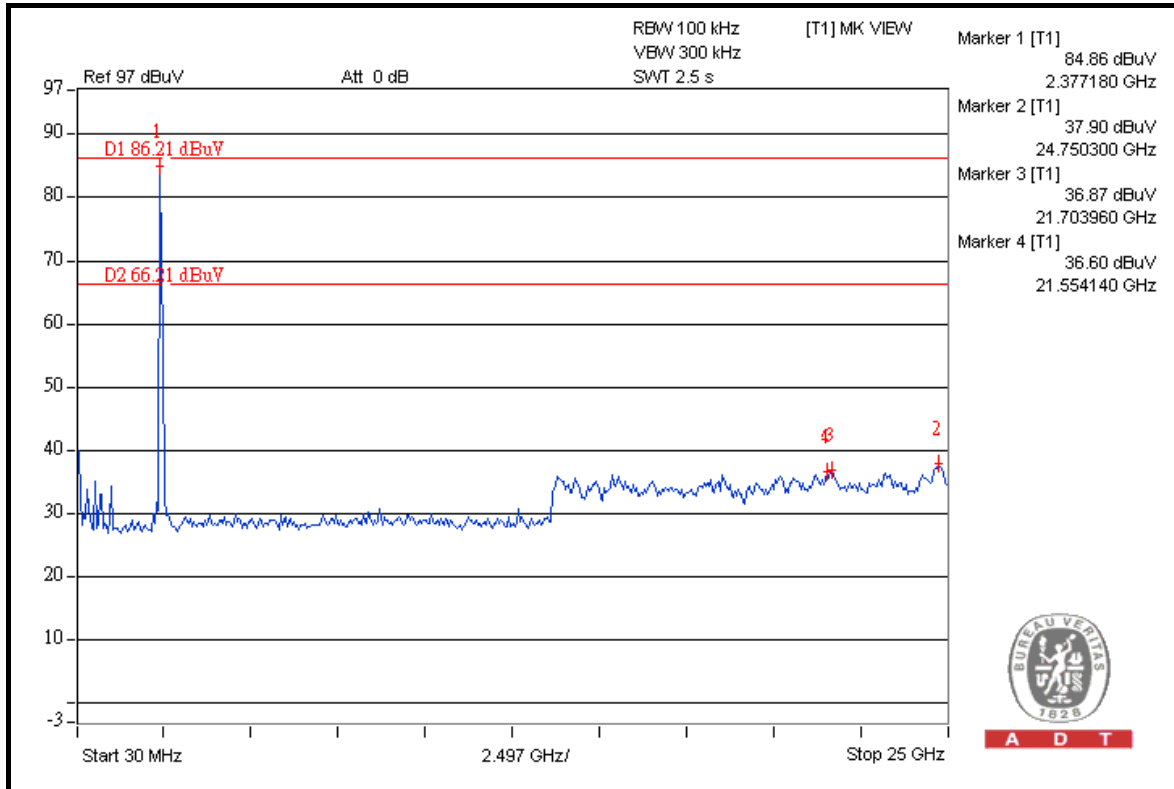


A D T



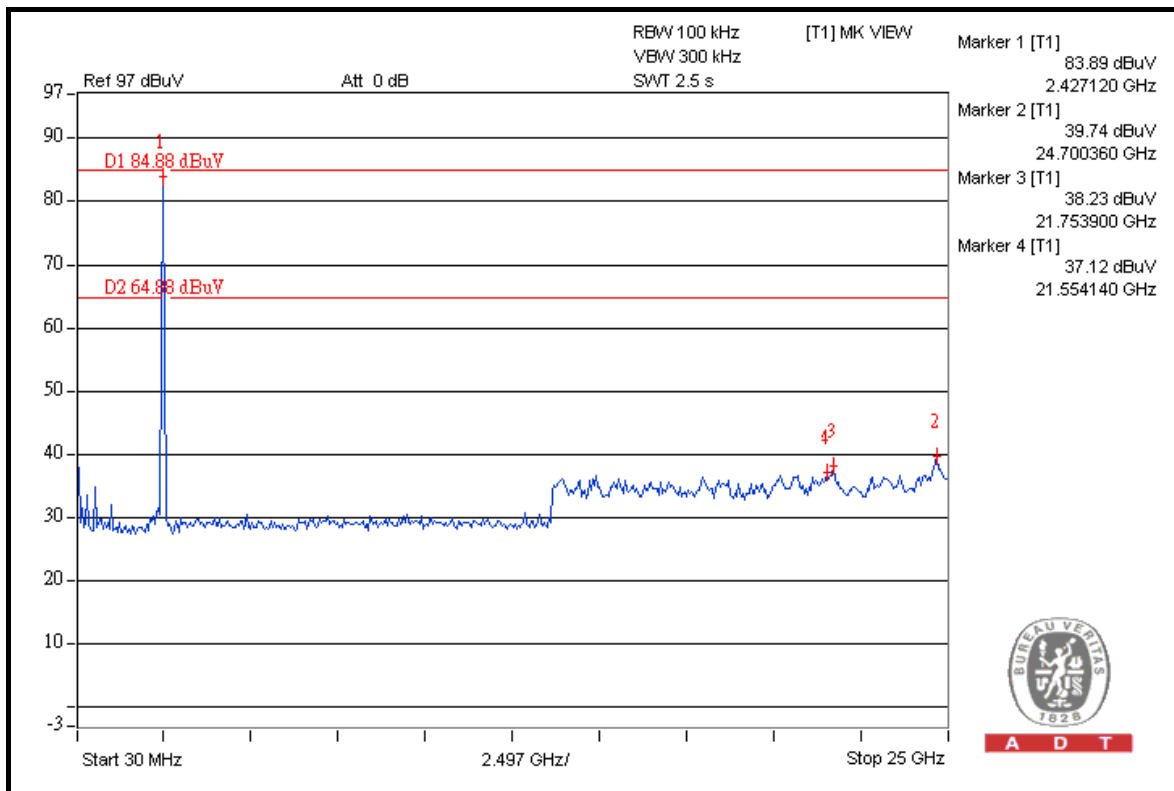
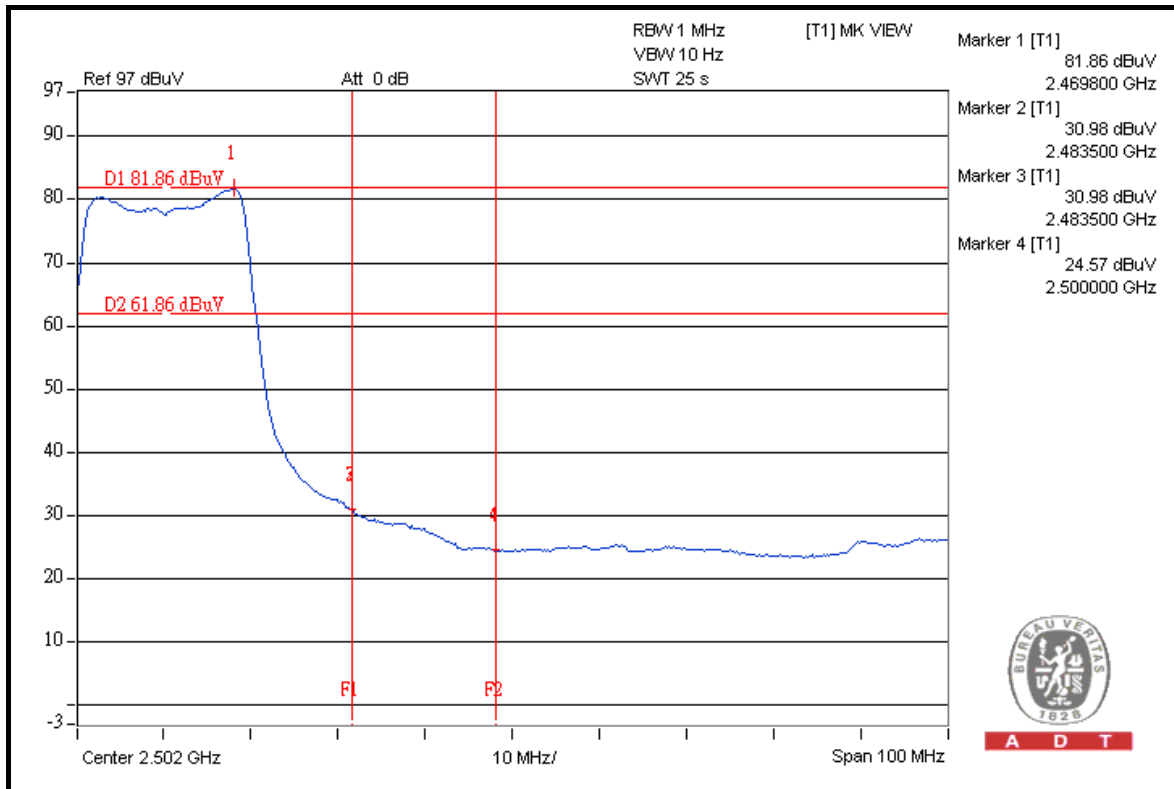


A D T





A D T





A D T

802.11n (40MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	108.1	41.84	66.26	74.00
2422.00 (AV)	97.6	52.9	44.70	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

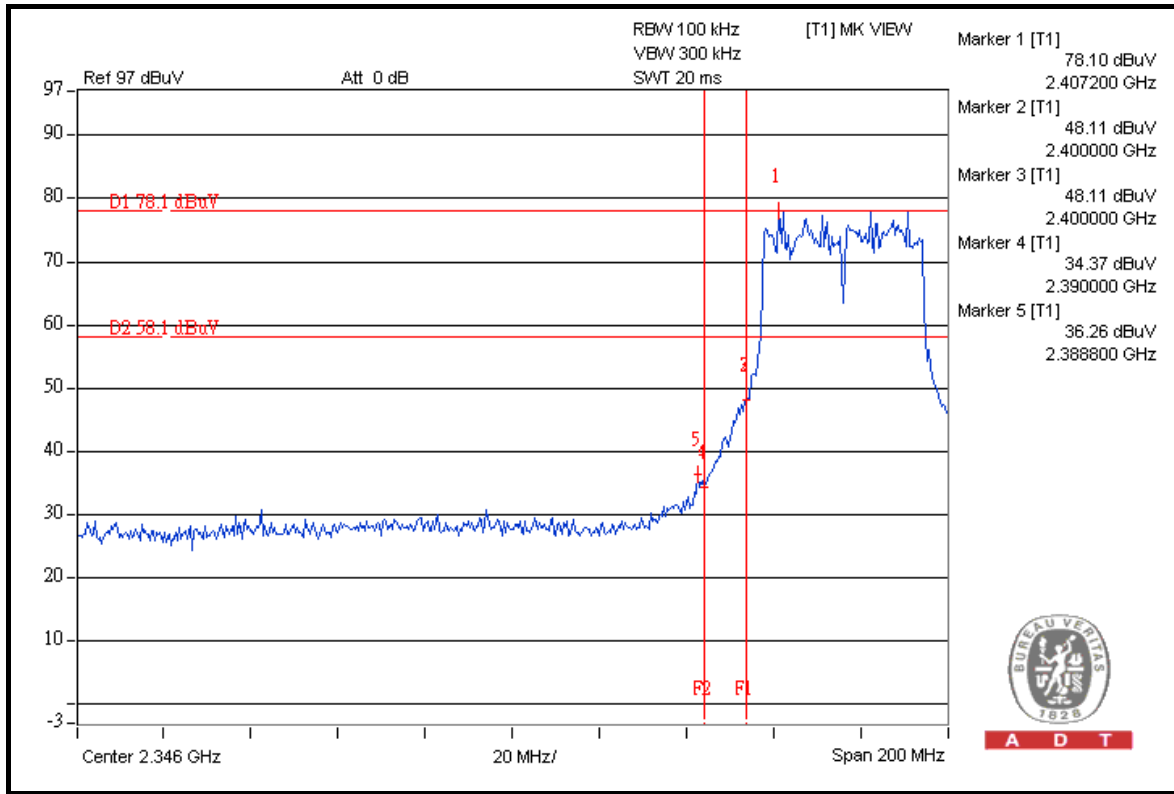
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	106.9	37.03	69.87	74.00
2452.00 (AV)	95.1	42.53	52.57	54.00

NOTE:

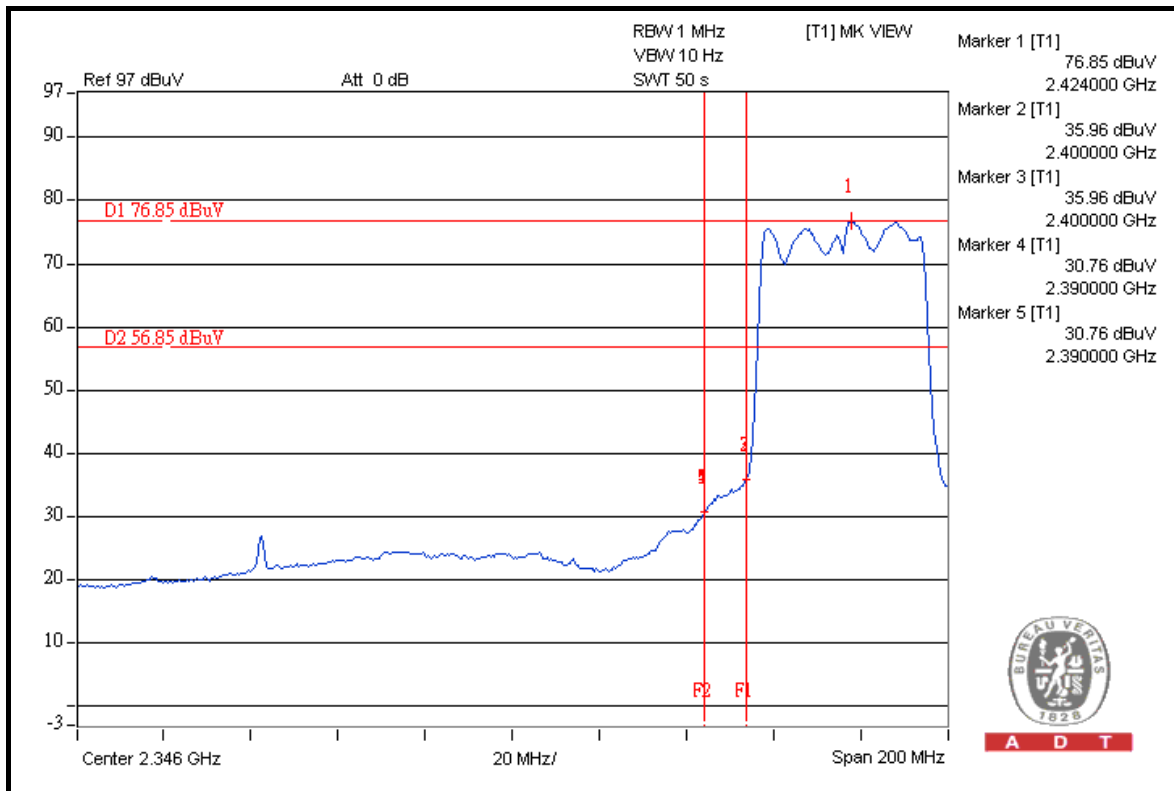
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.



A D T



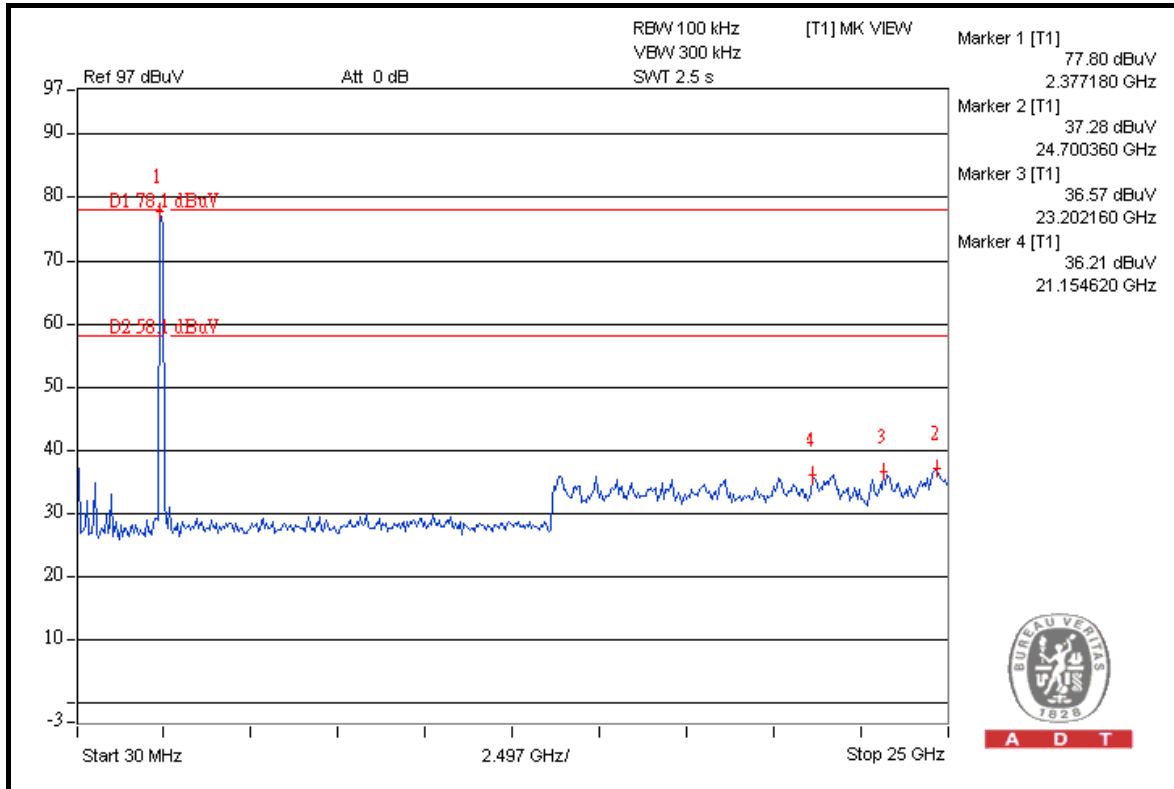
A D T



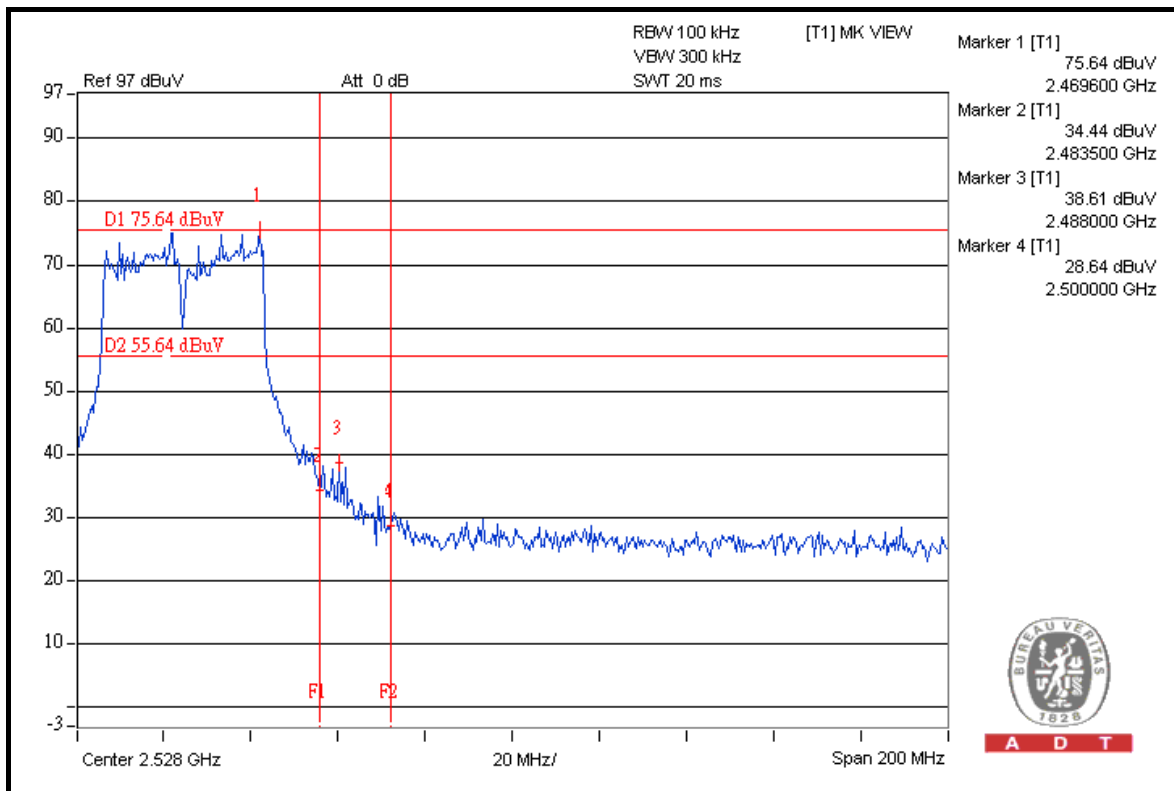
A D T



A D T



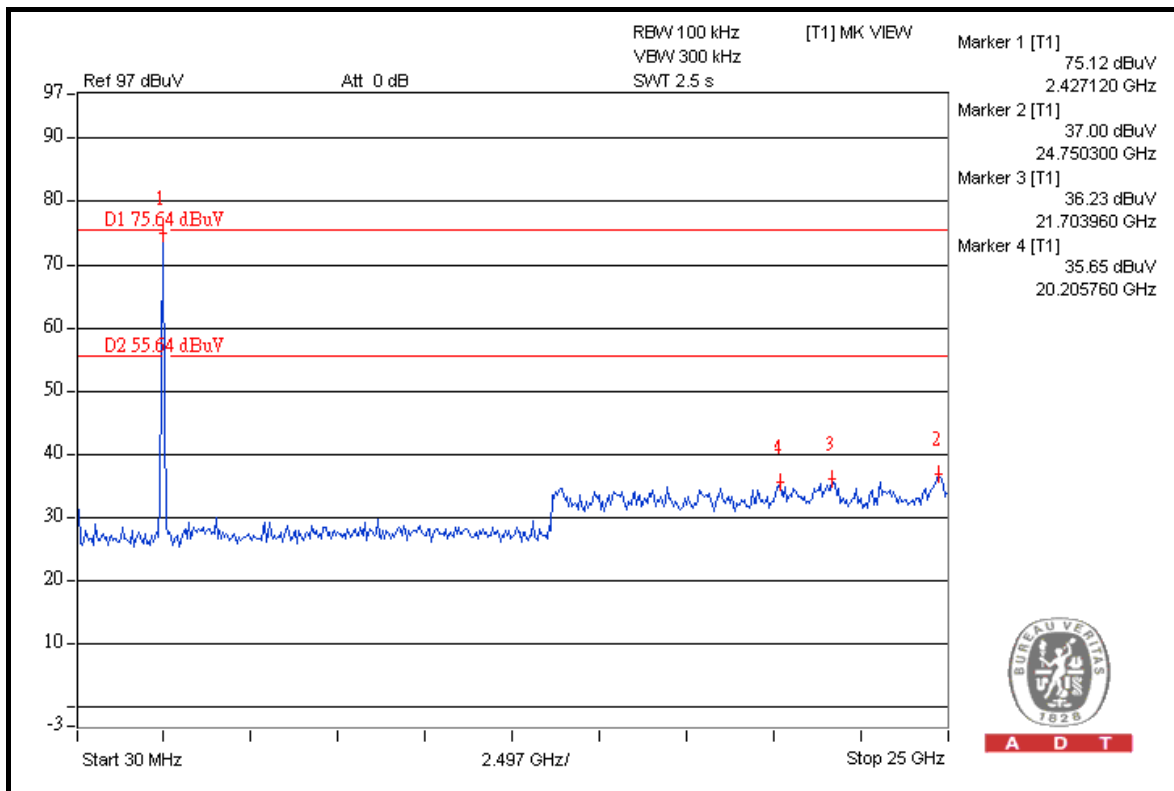
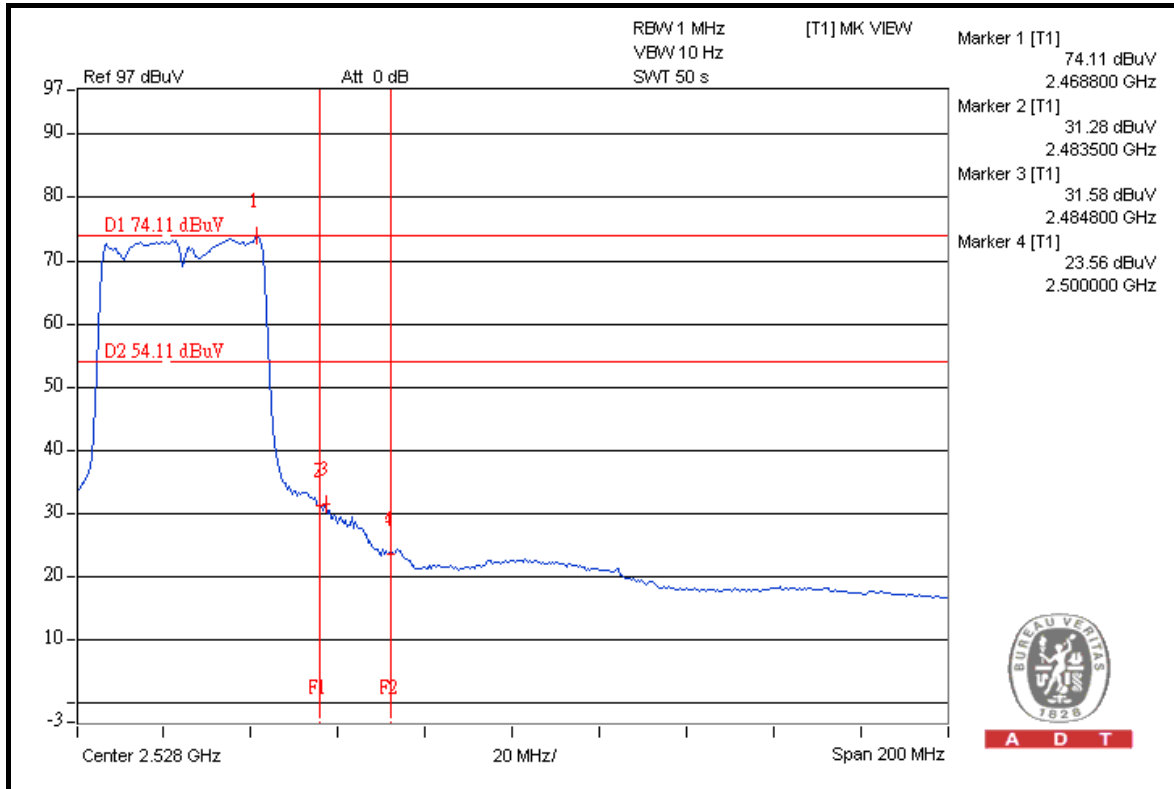
A D T



A D T



A D T





4.6.12 TEST RESULTS (TEST MODE D 1)

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	111.8	51.47	60.33	74.00
2412.00 (AV)	107.8	60.47	47.33	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

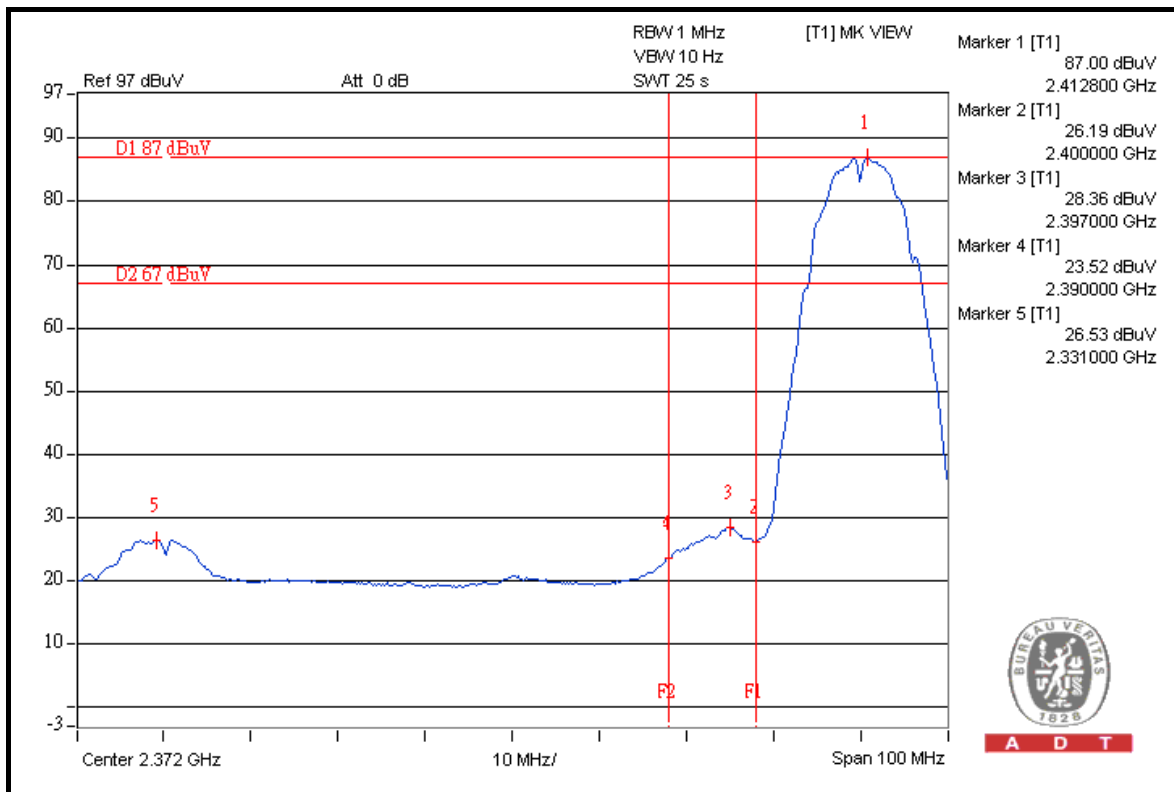
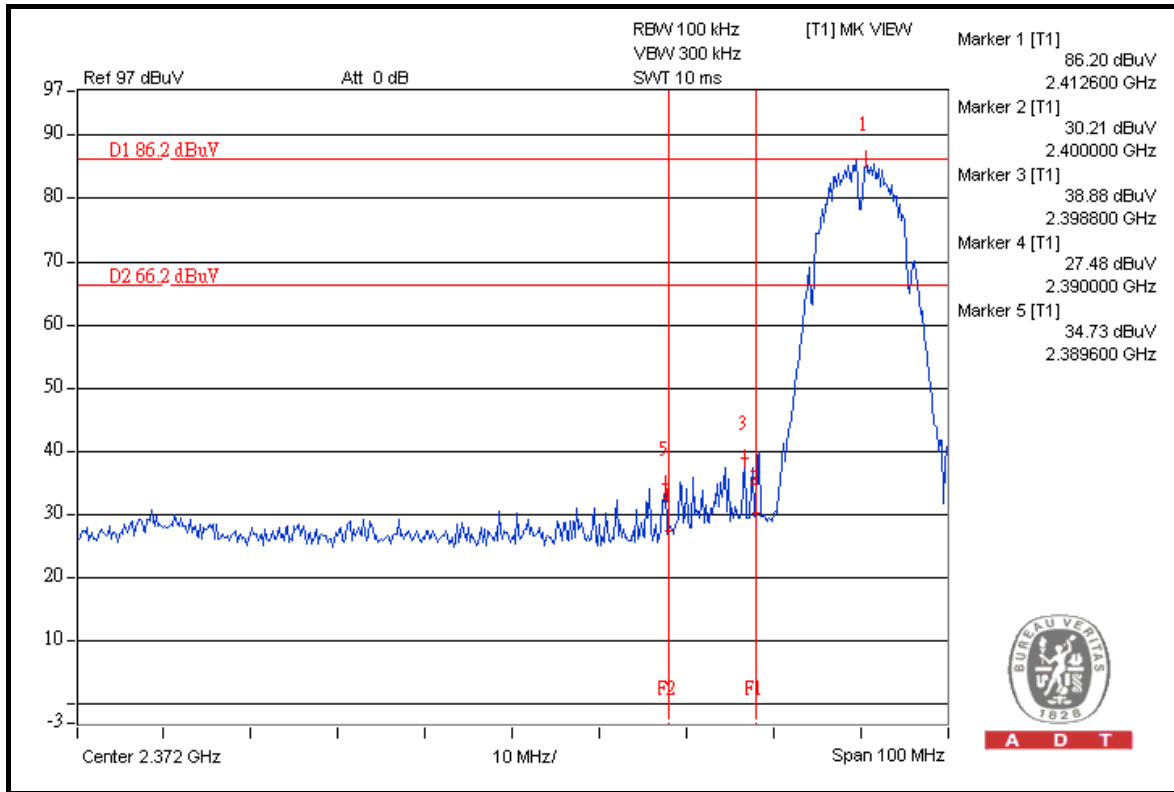
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.1	51.12	61.98	74.00
2462.00 (AV)	109.0	60.33	48.67	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

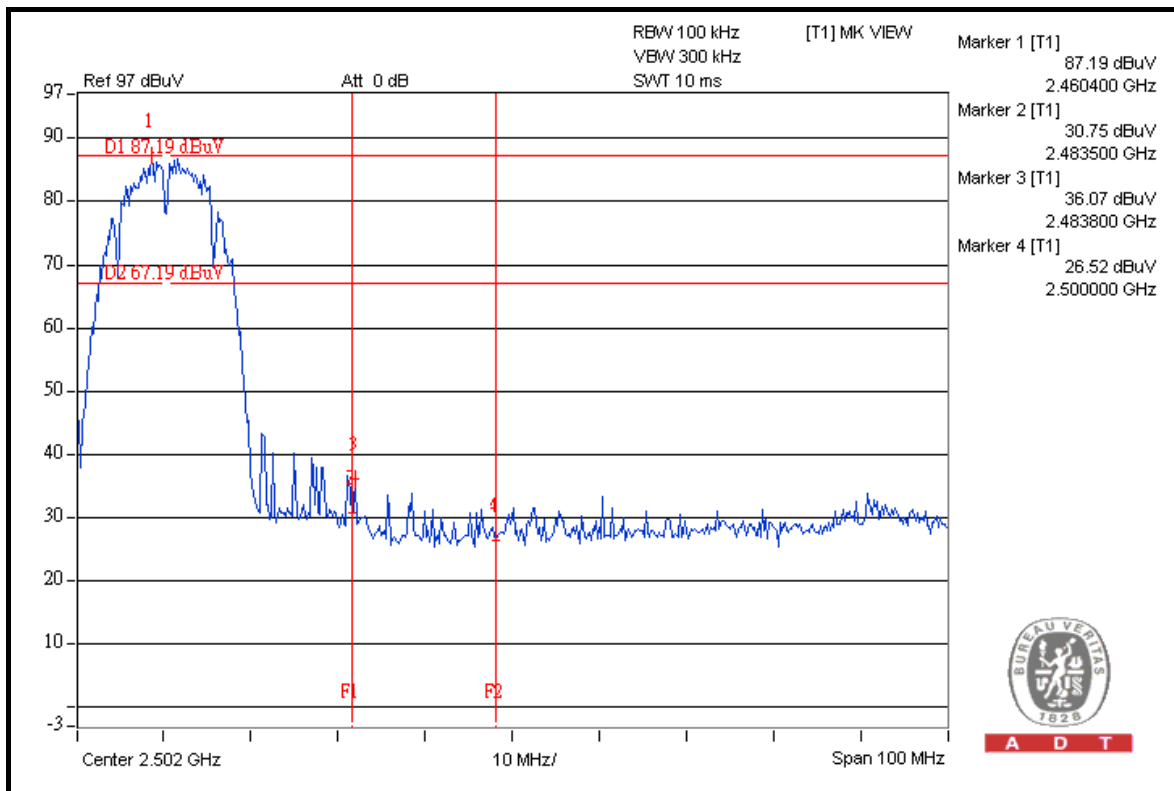
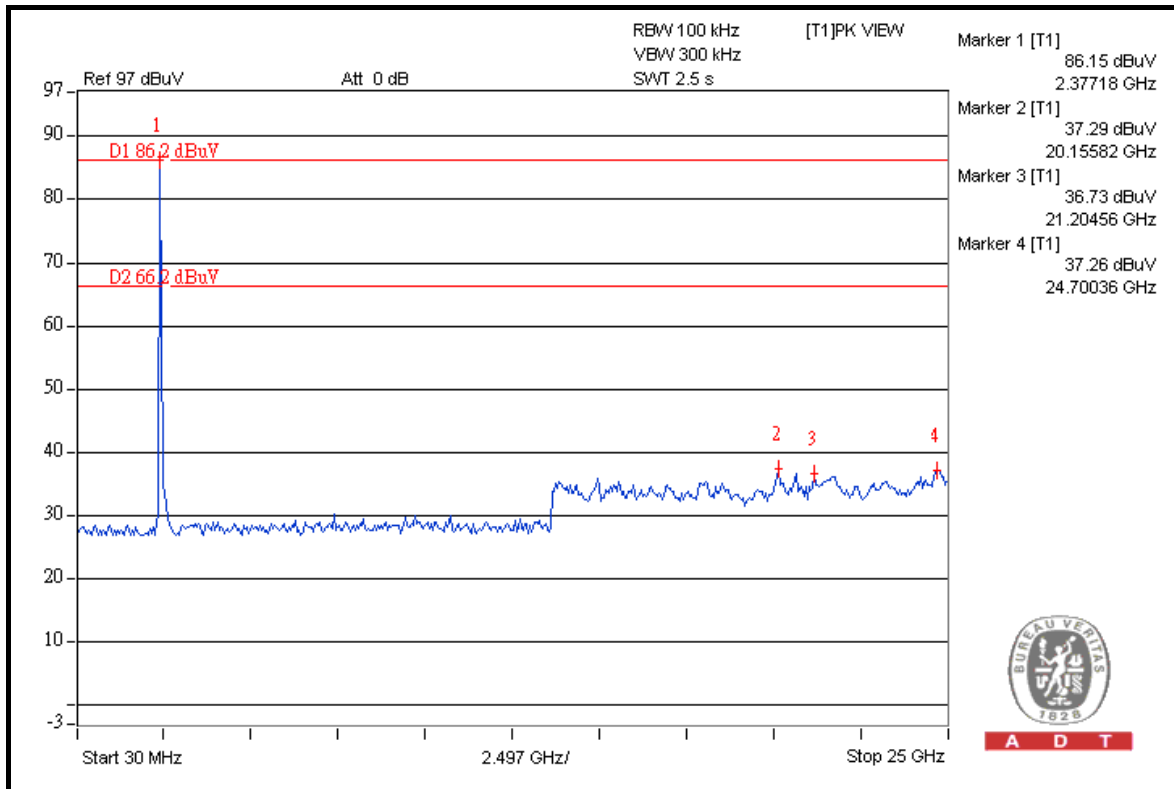


A D T



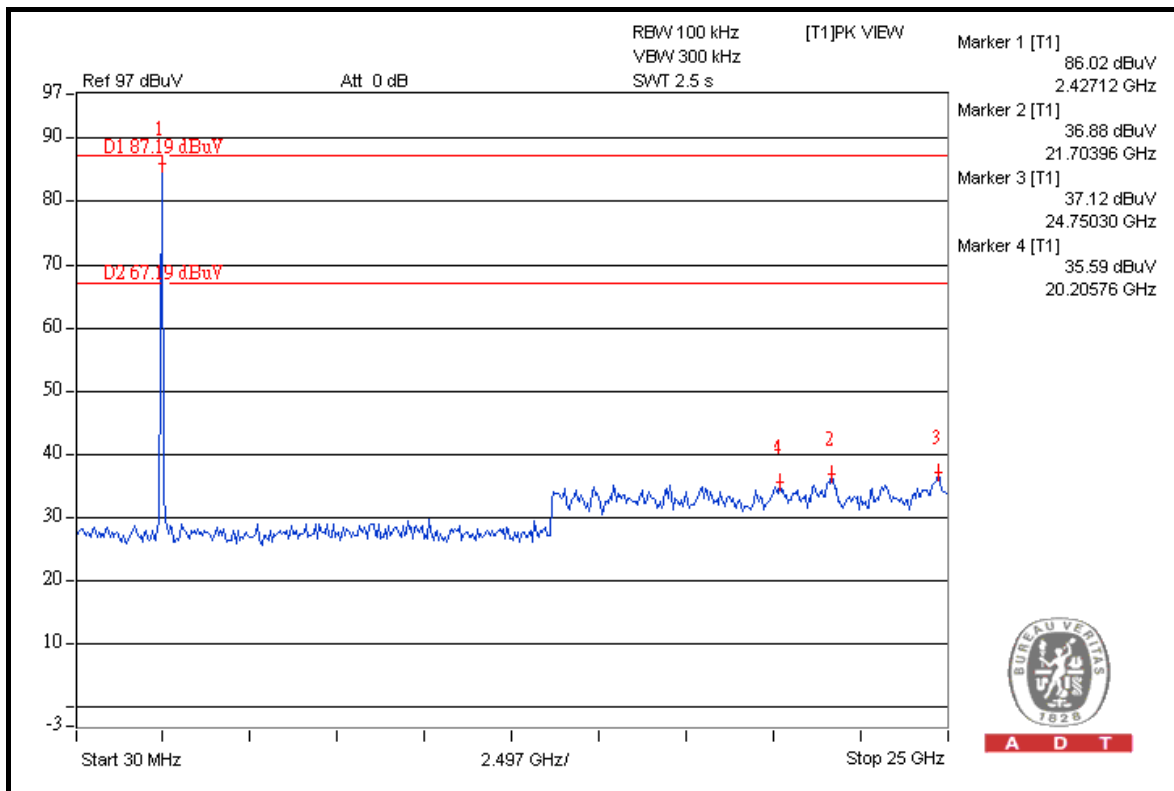
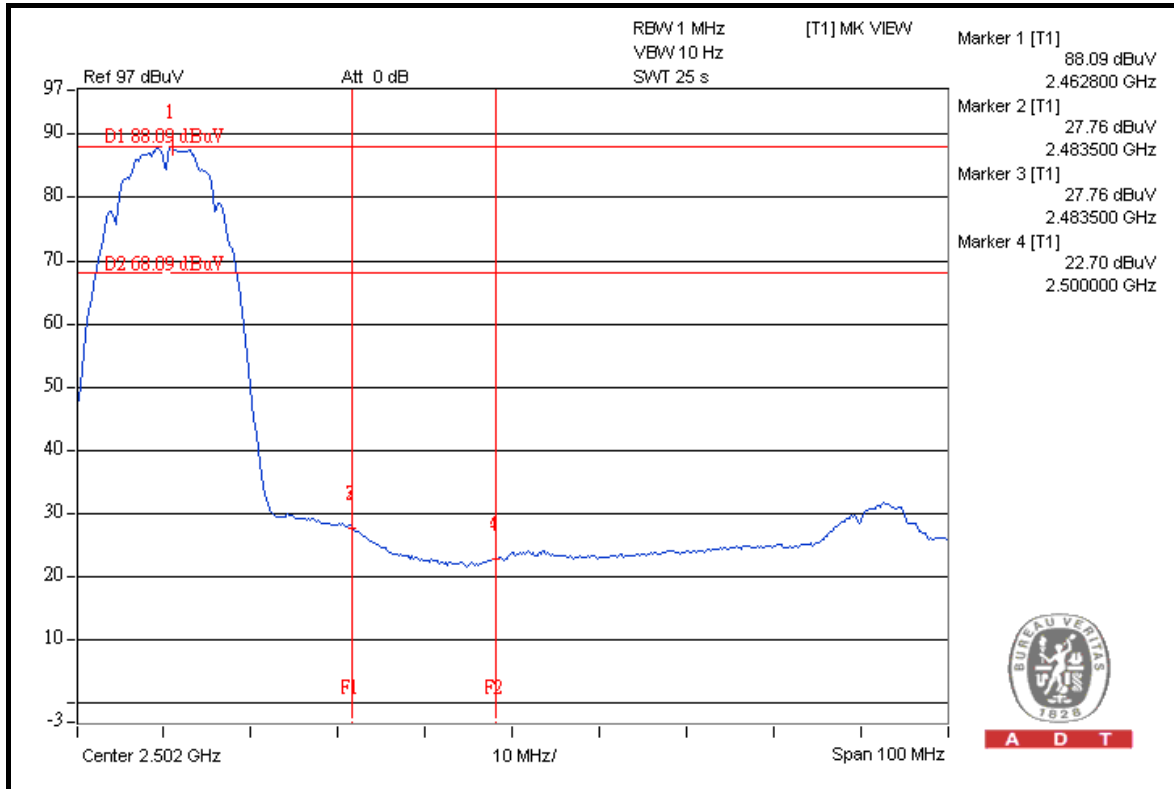


A D T





A D T





A D T

802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	116.5	50.16	66.34	74.00
2412.00 (AV)	104.1	52.19	51.91	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

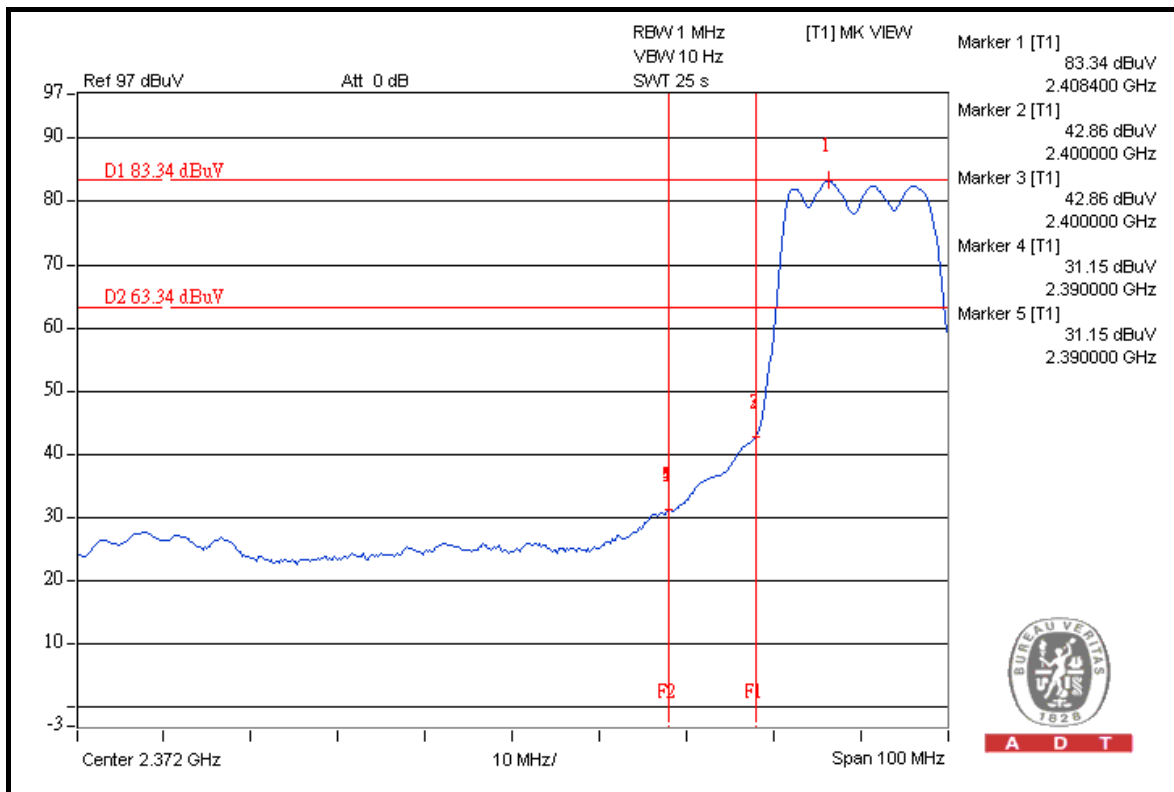
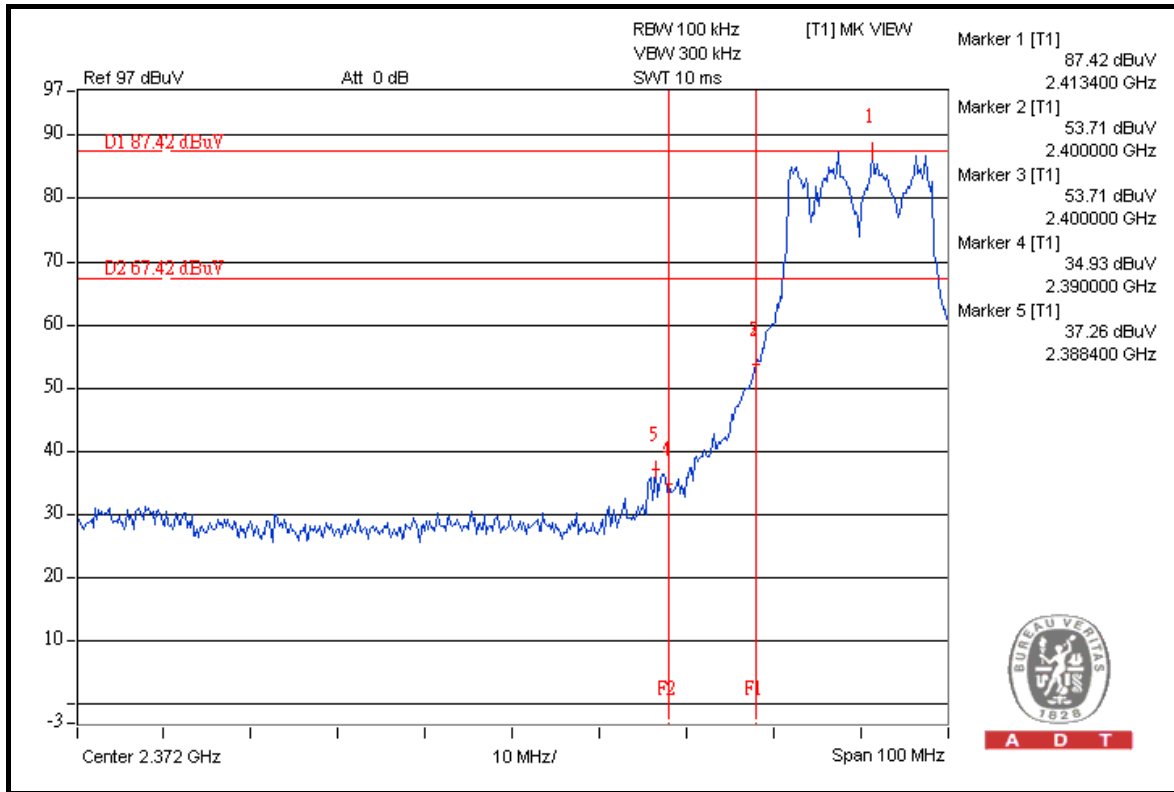
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	116.2	49.12	67.08	74.00
2462.00 (AV)	103.8	52.09	51.71	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

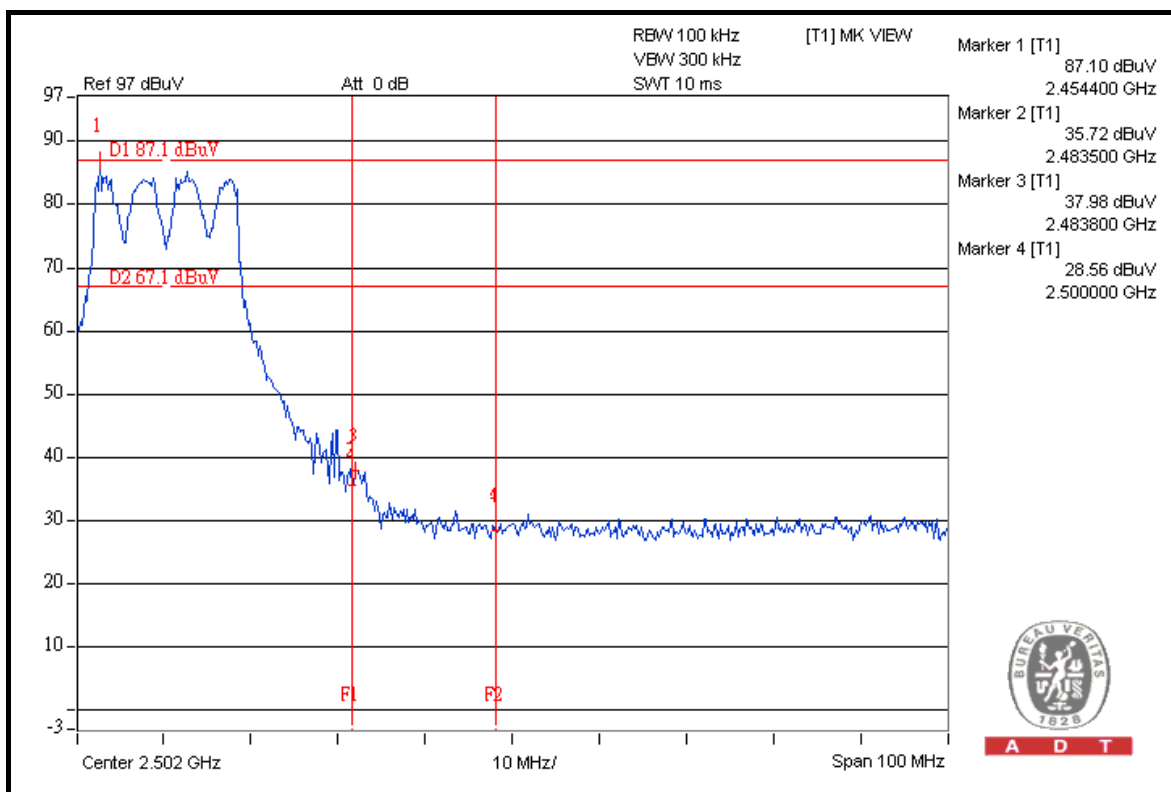
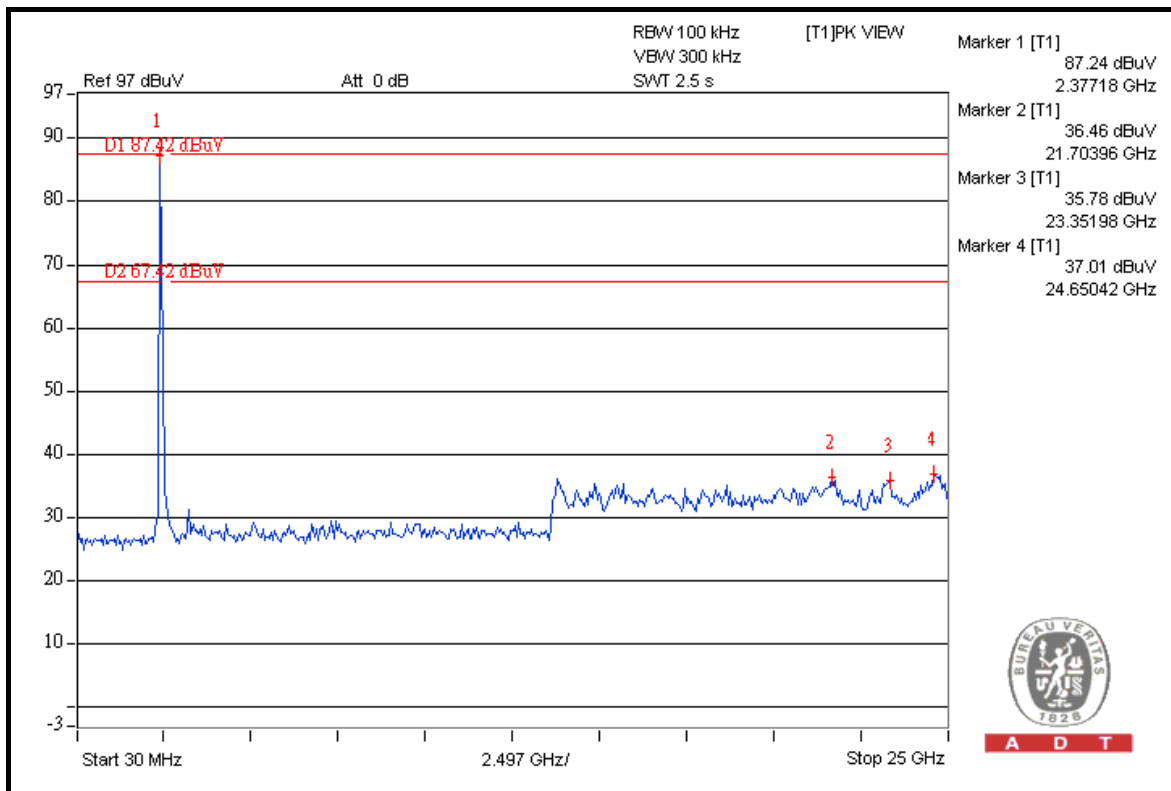


A D T



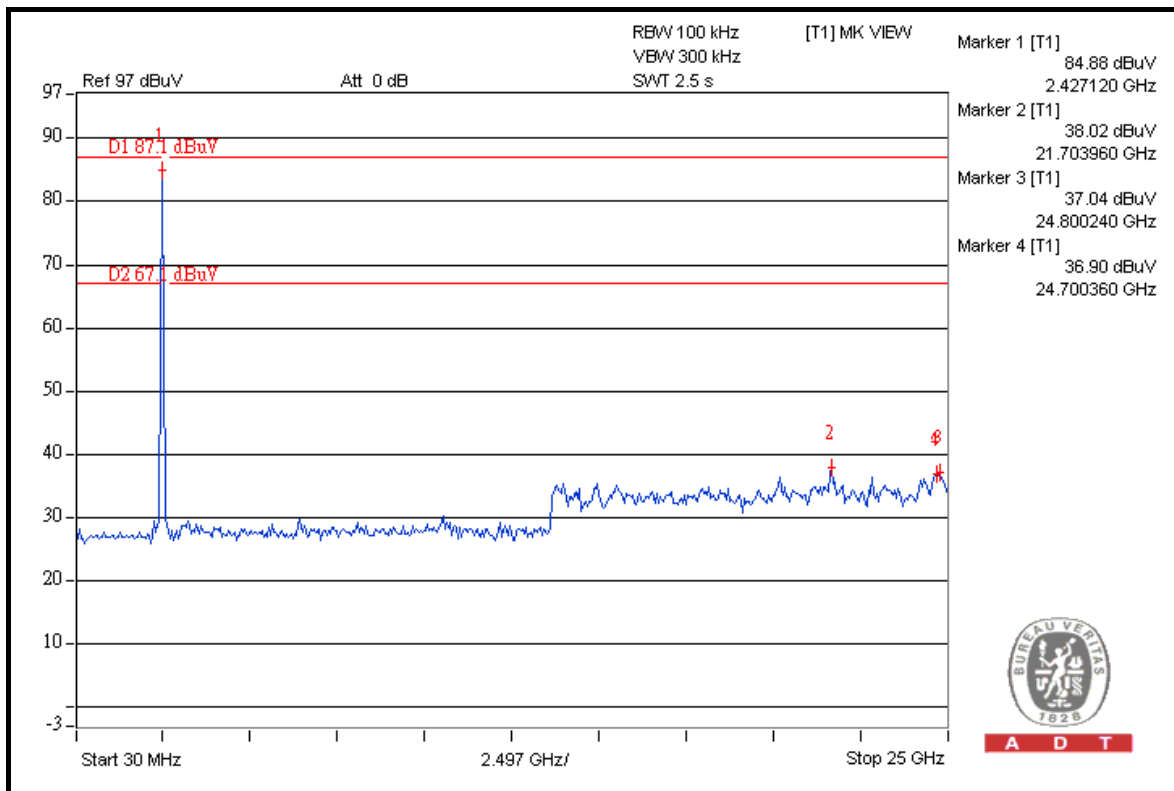
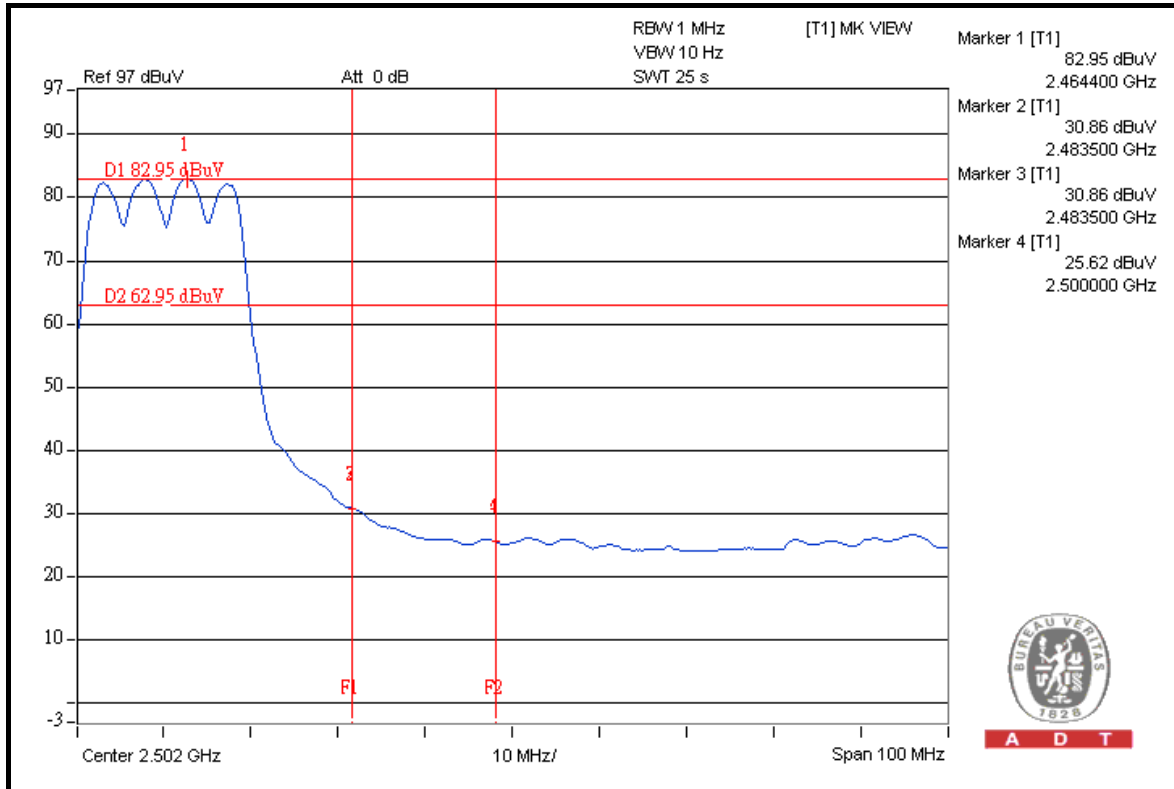


A D T





A D T





A D T

802.11n (20MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	117.0	52.50	64.50	74.00
2412.00 (AV)	104.6	53.98	50.62	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

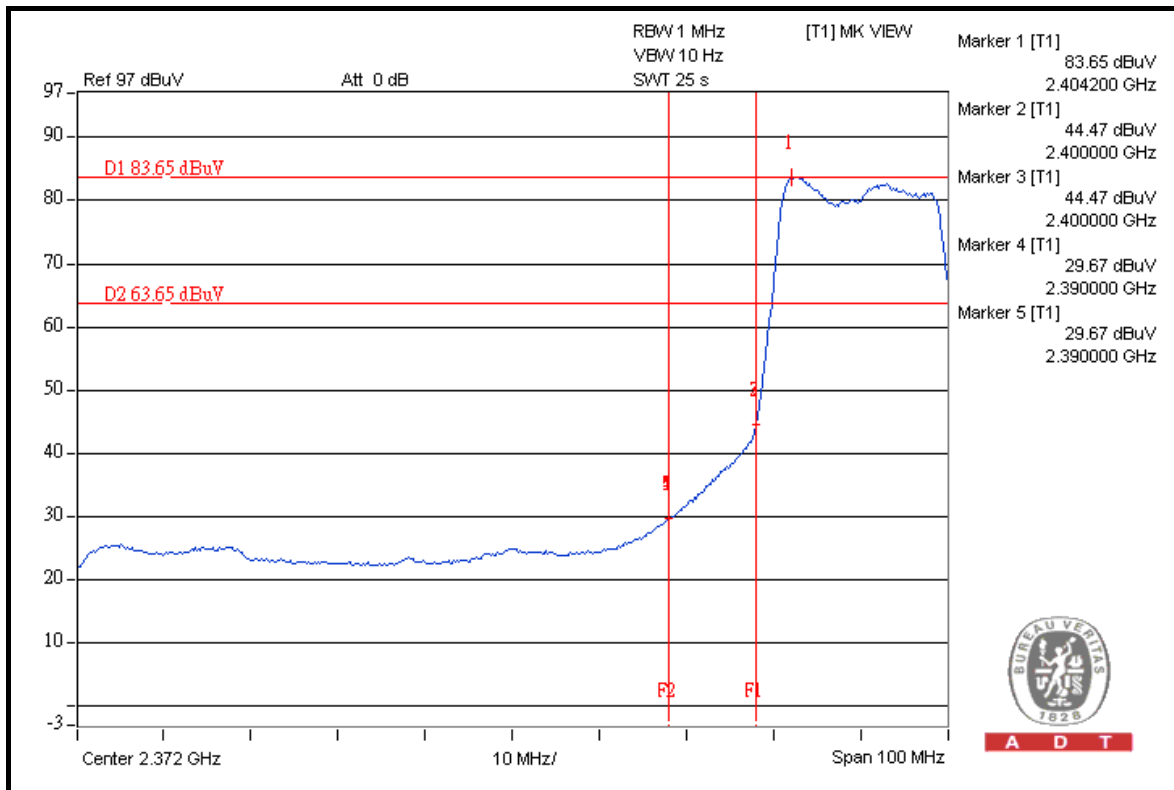
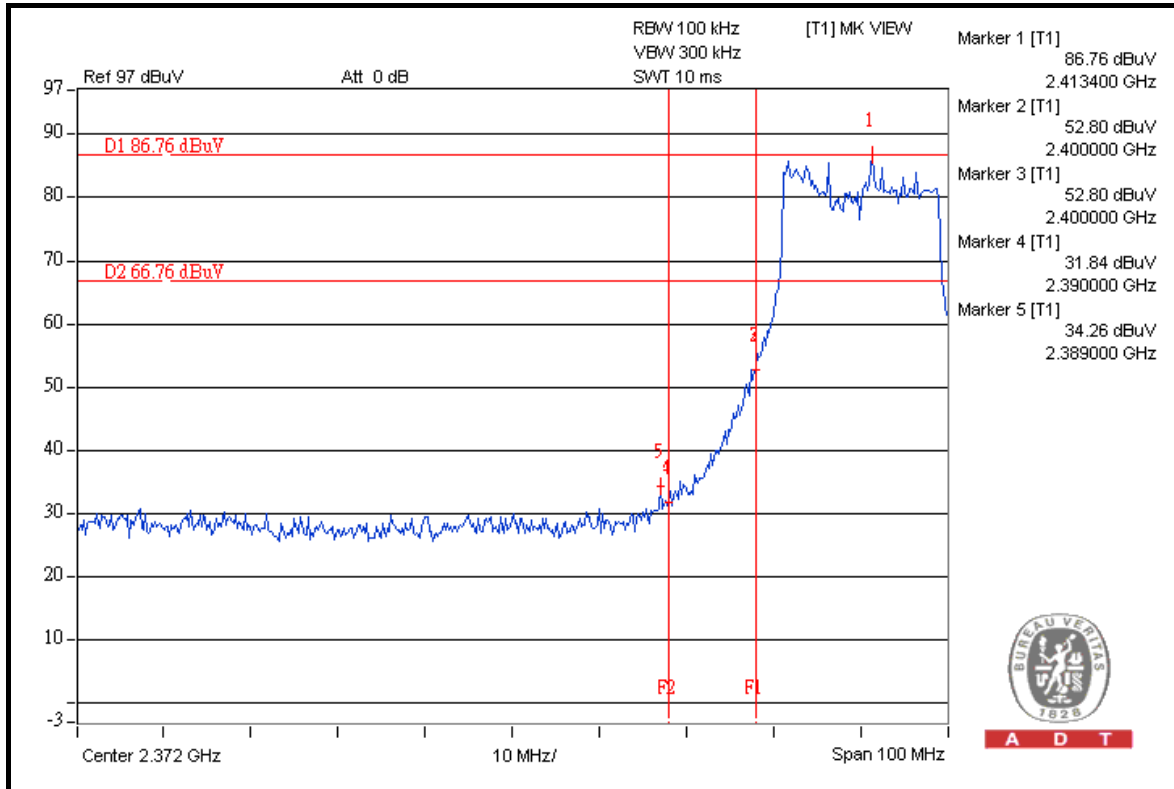
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.9	48.85	65.05	74.00
2462.00 (AV)	101.6	51.21	50.39	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

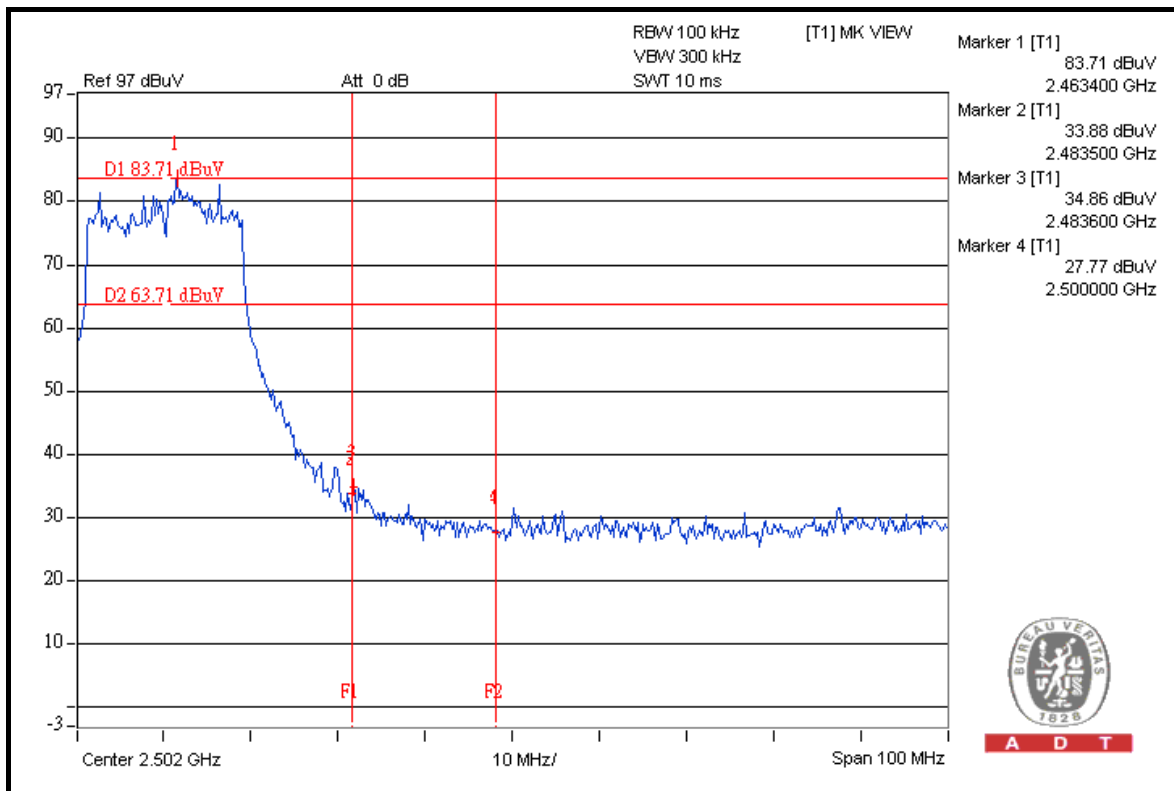
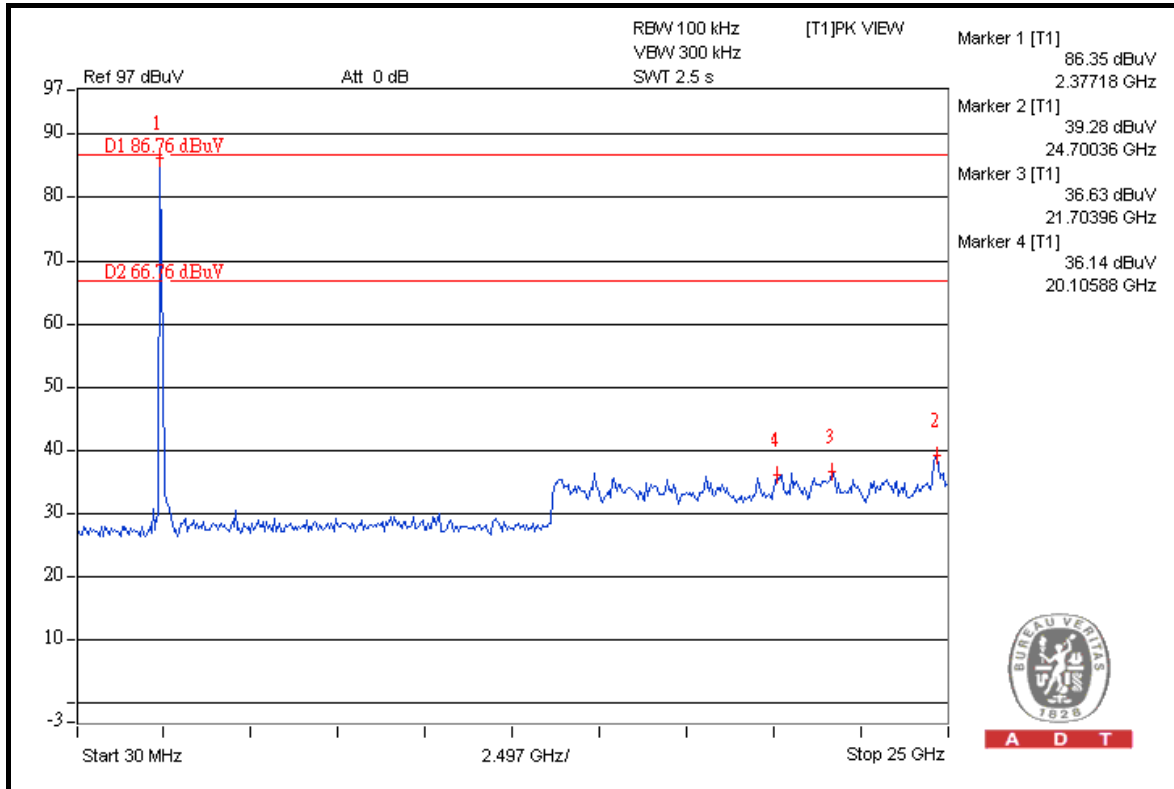


A D T



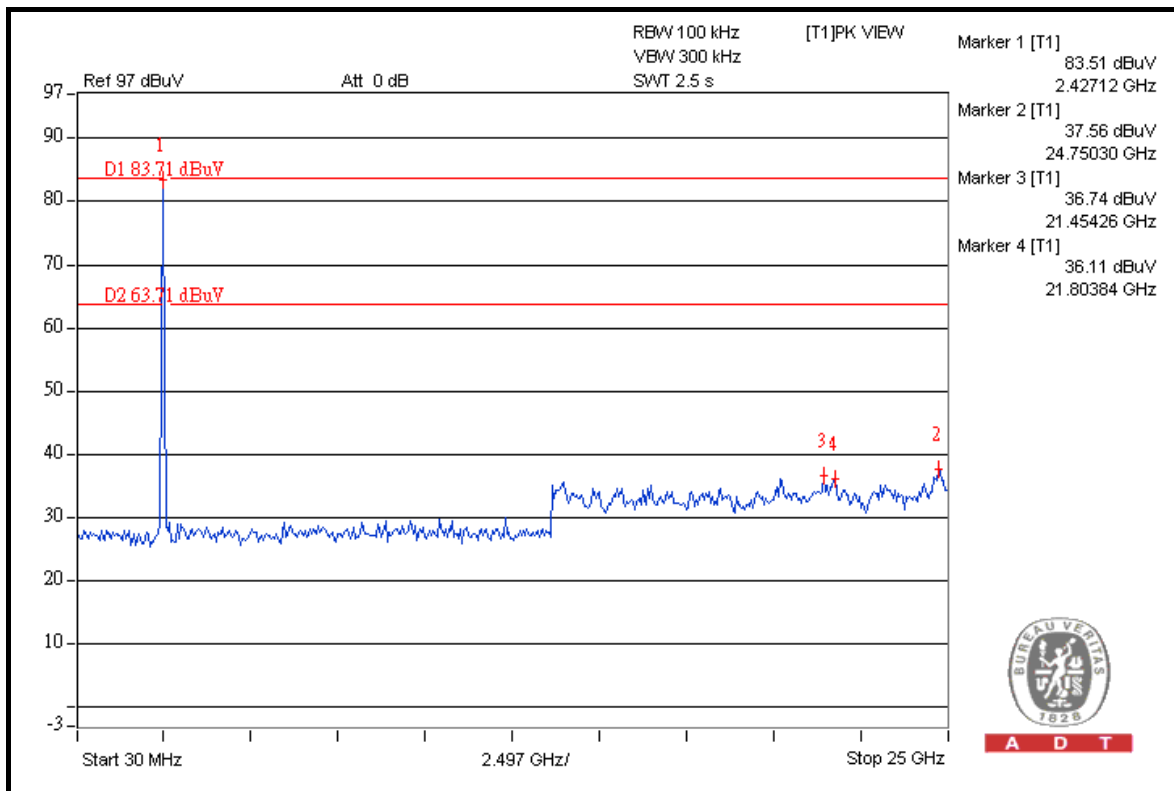
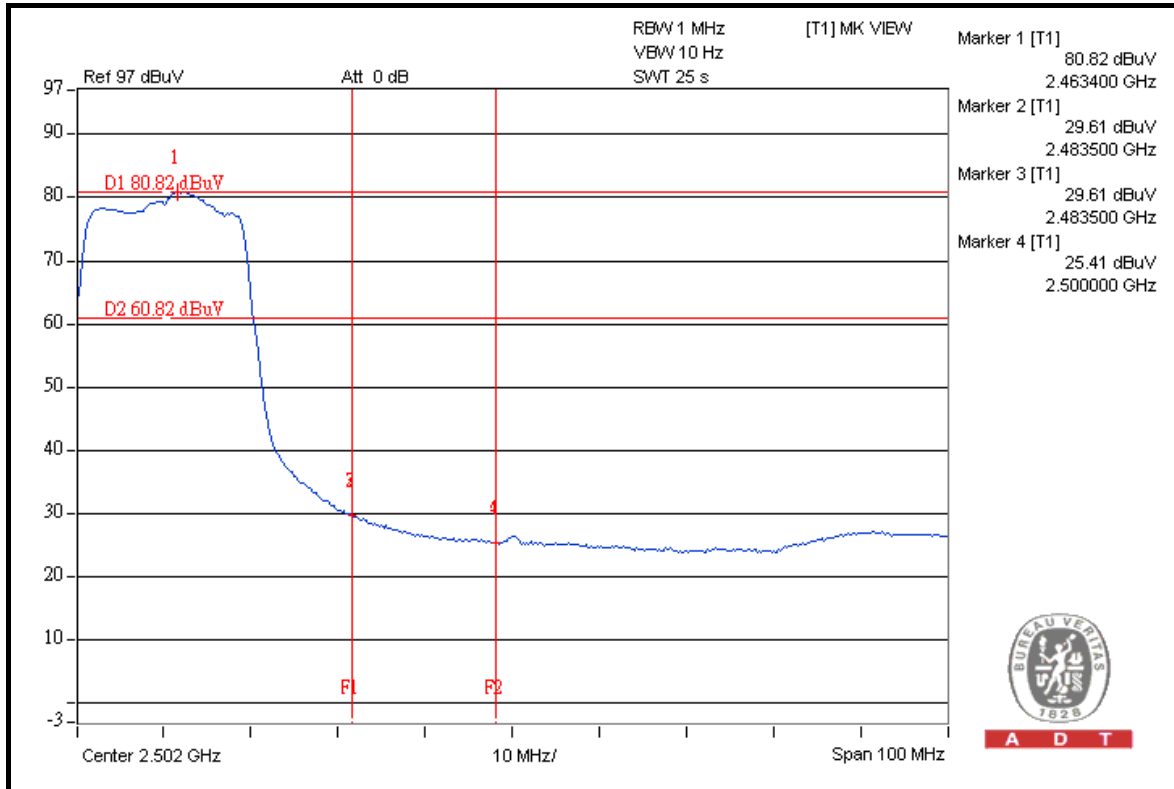


A D T





A D T





A D T

802.11n (40MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	110.5	44.93	65.57	74.00
2422.00 (AV)	98.3	45.76	52.54	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

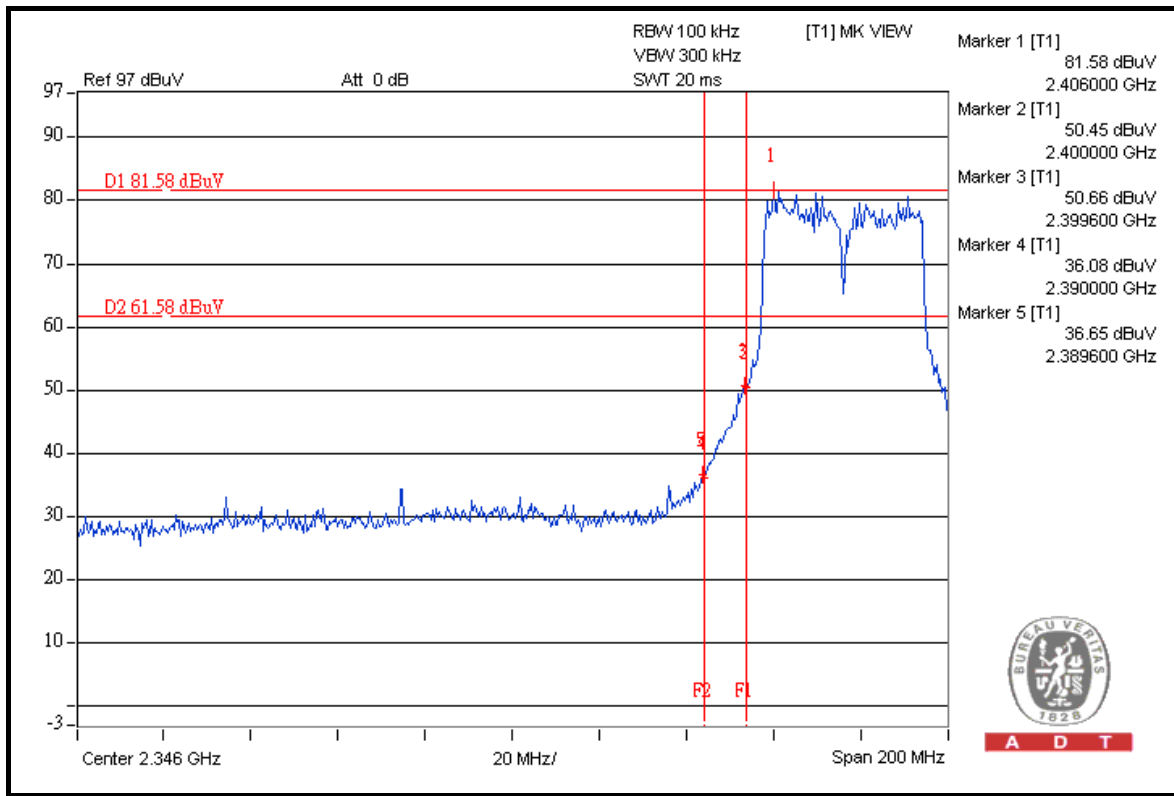
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	109.9	45.25	64.65	74.00
2452.00 (AV)	97.8	45.25	52.55	54.00

NOTE:

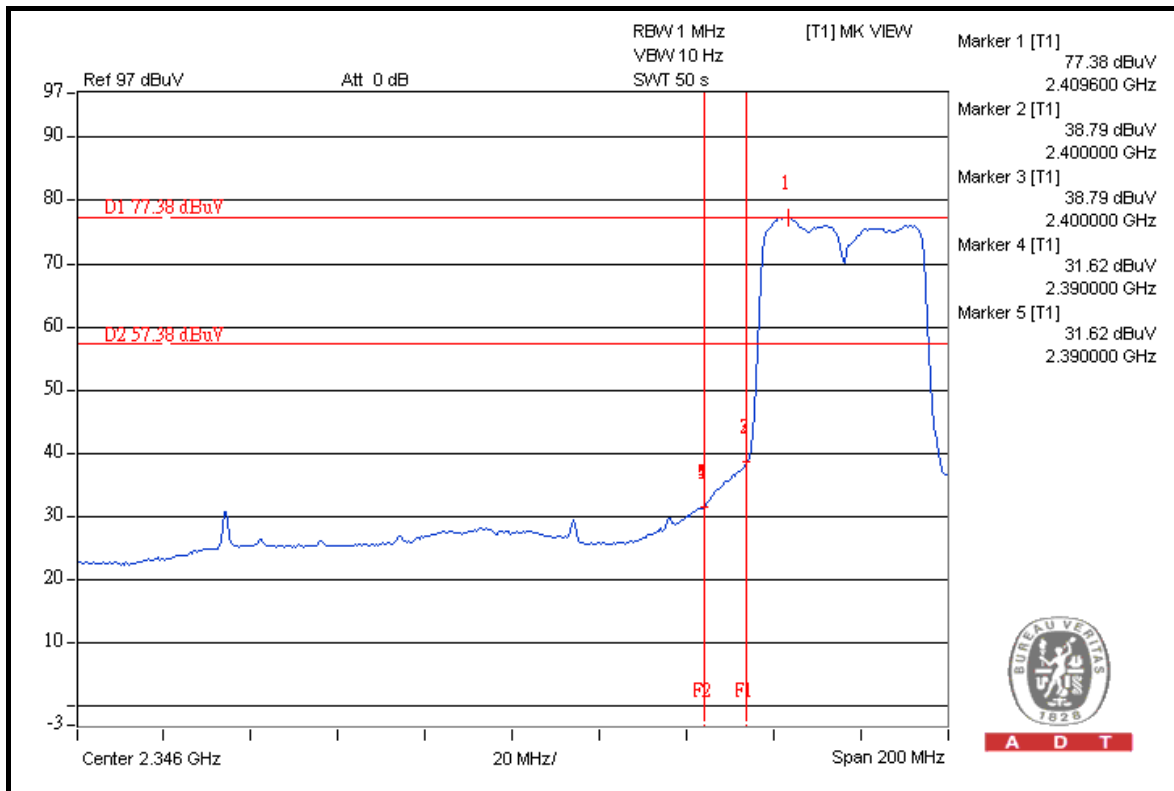
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.



A D T



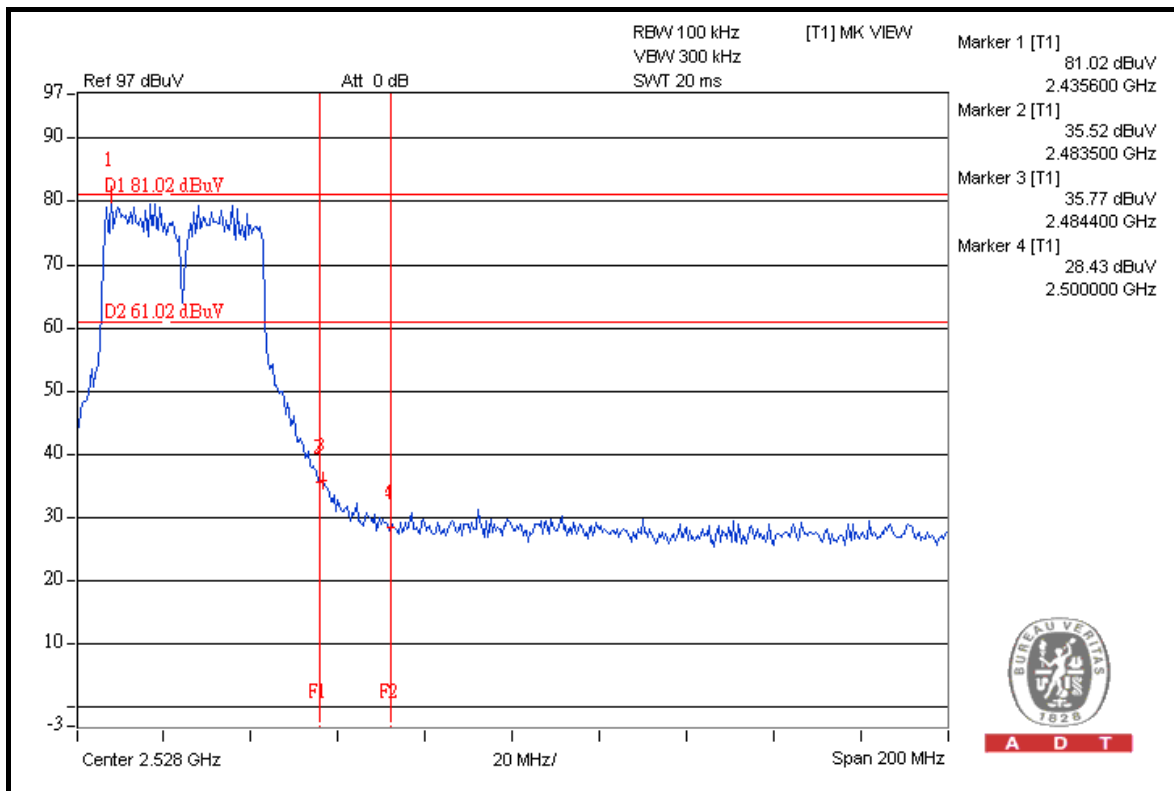
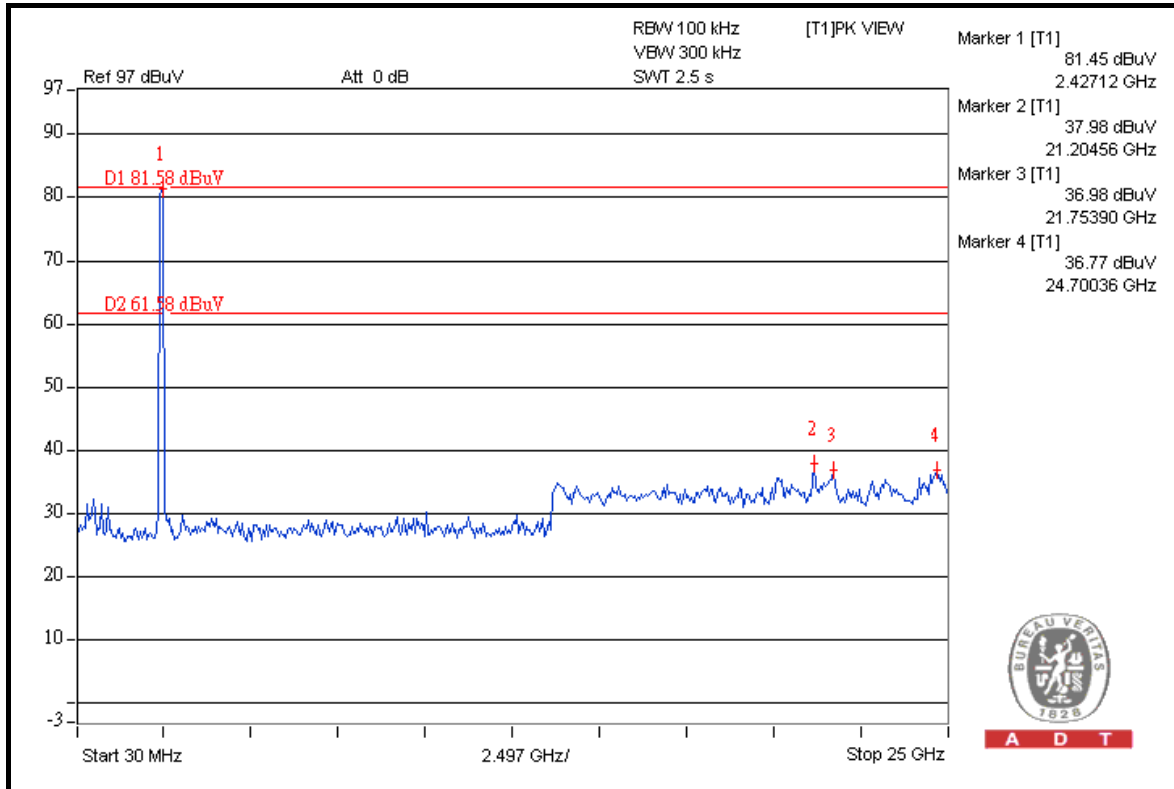
A D T



A D T

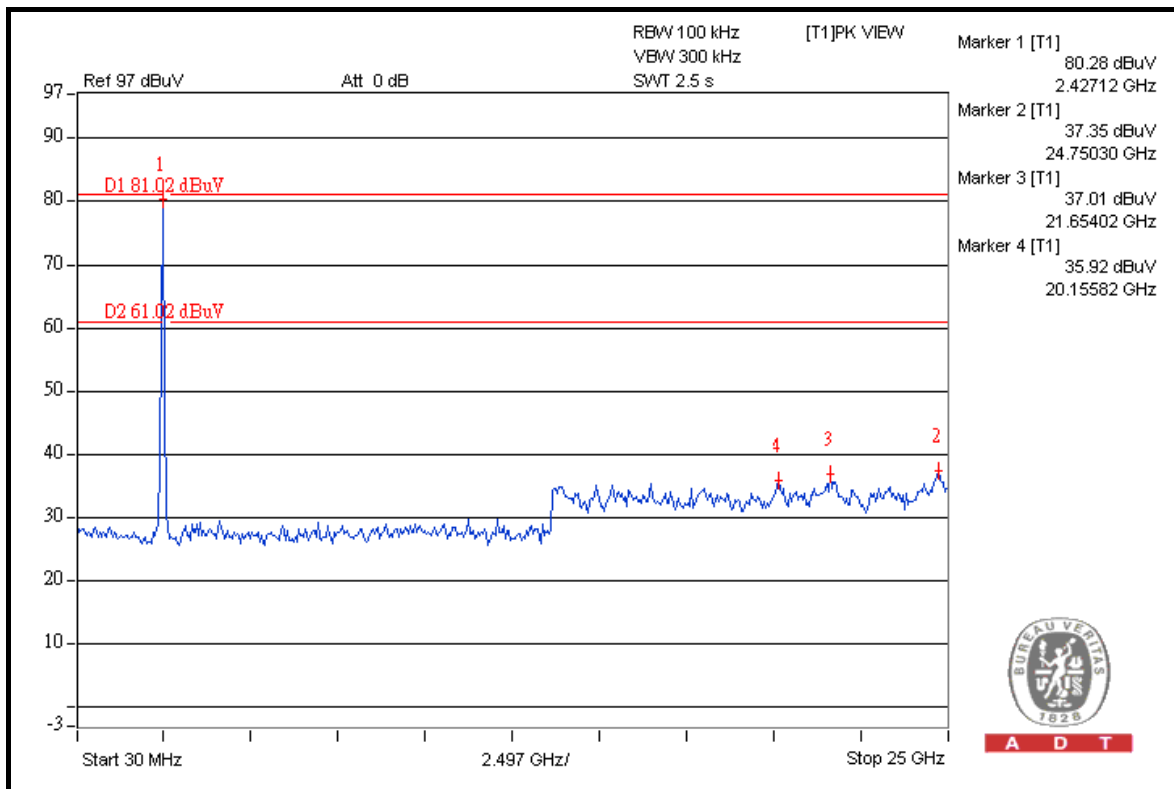
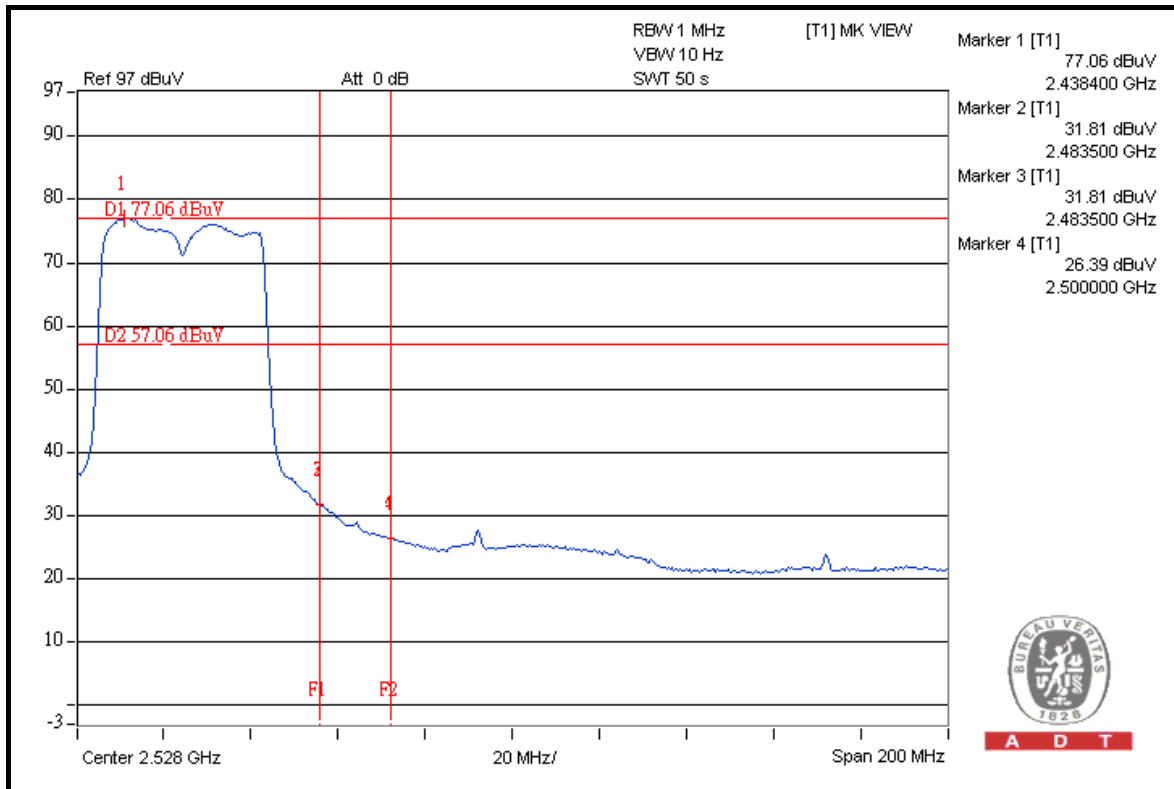


A D T





A D T





A D T

4.6.13 TEST RESULTS (TEST MODE D 2)

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	112.1	56.04	56.06	74.00
2412.00 (AV)	108.0	61.47	46.53	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

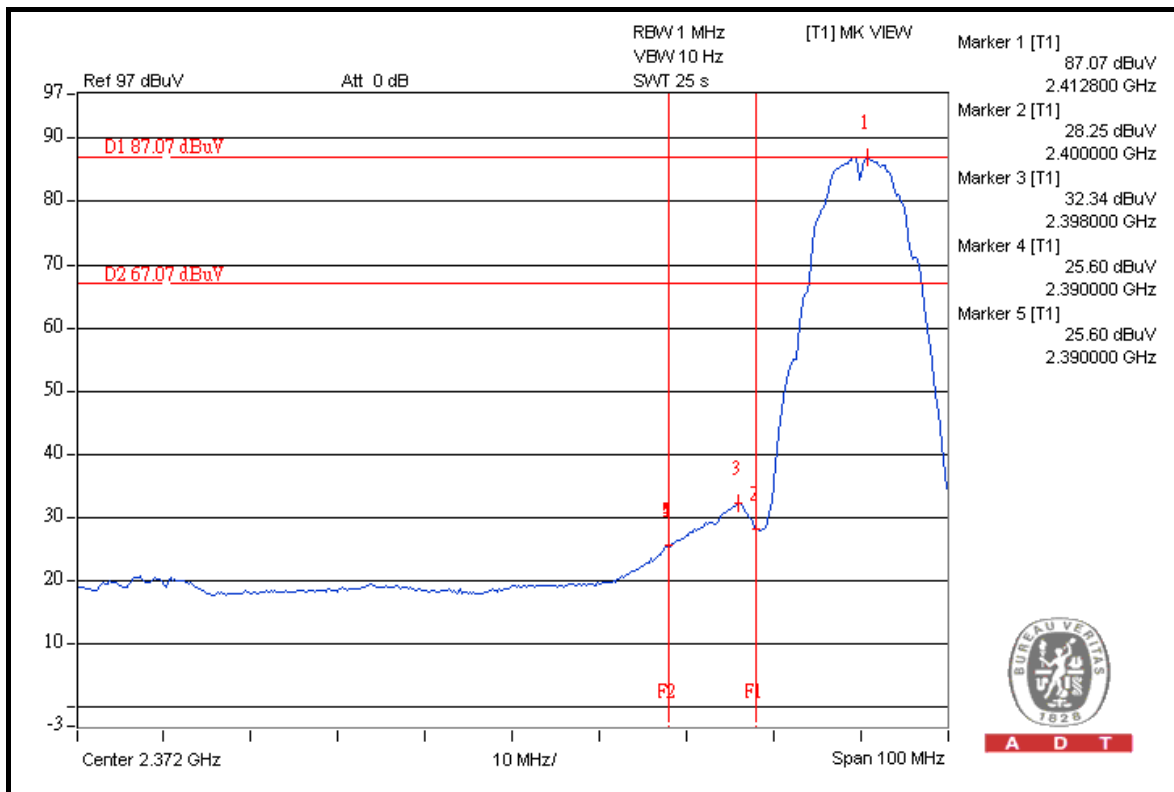
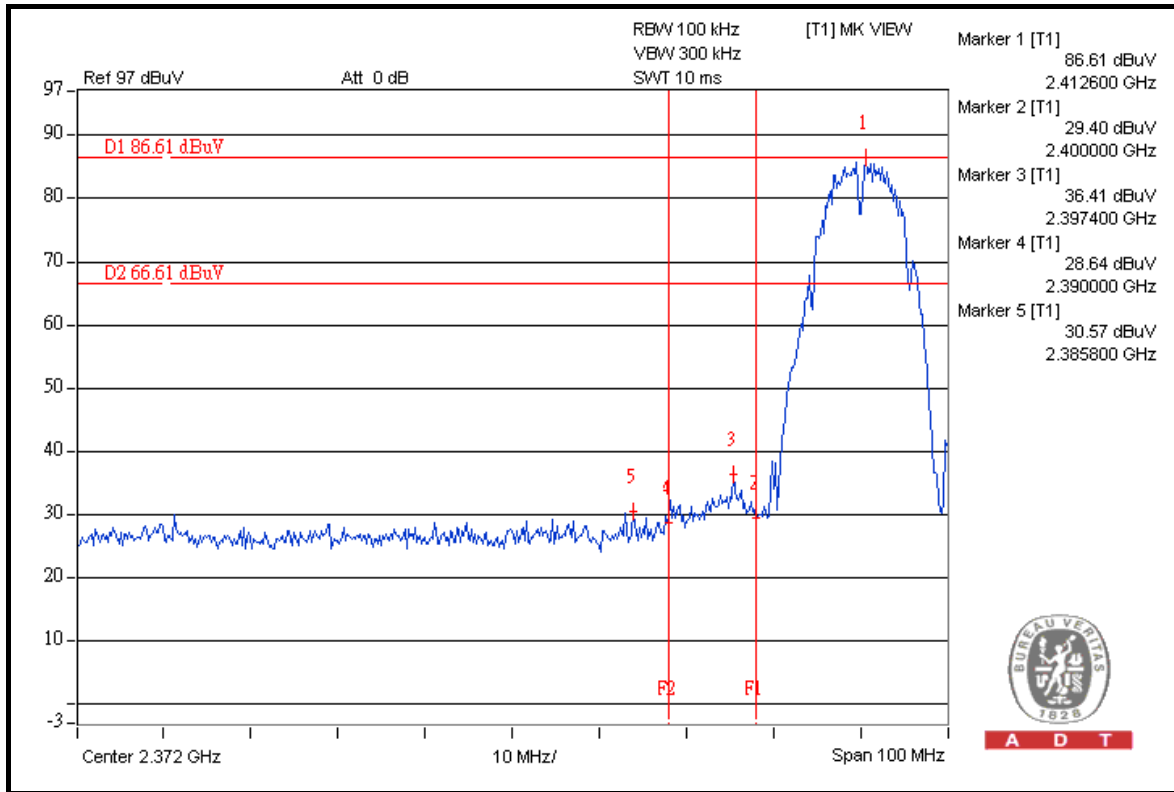
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.5	48.11	65.39	74.00
2462.00 (AV)	109.3	59.91	49.39	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

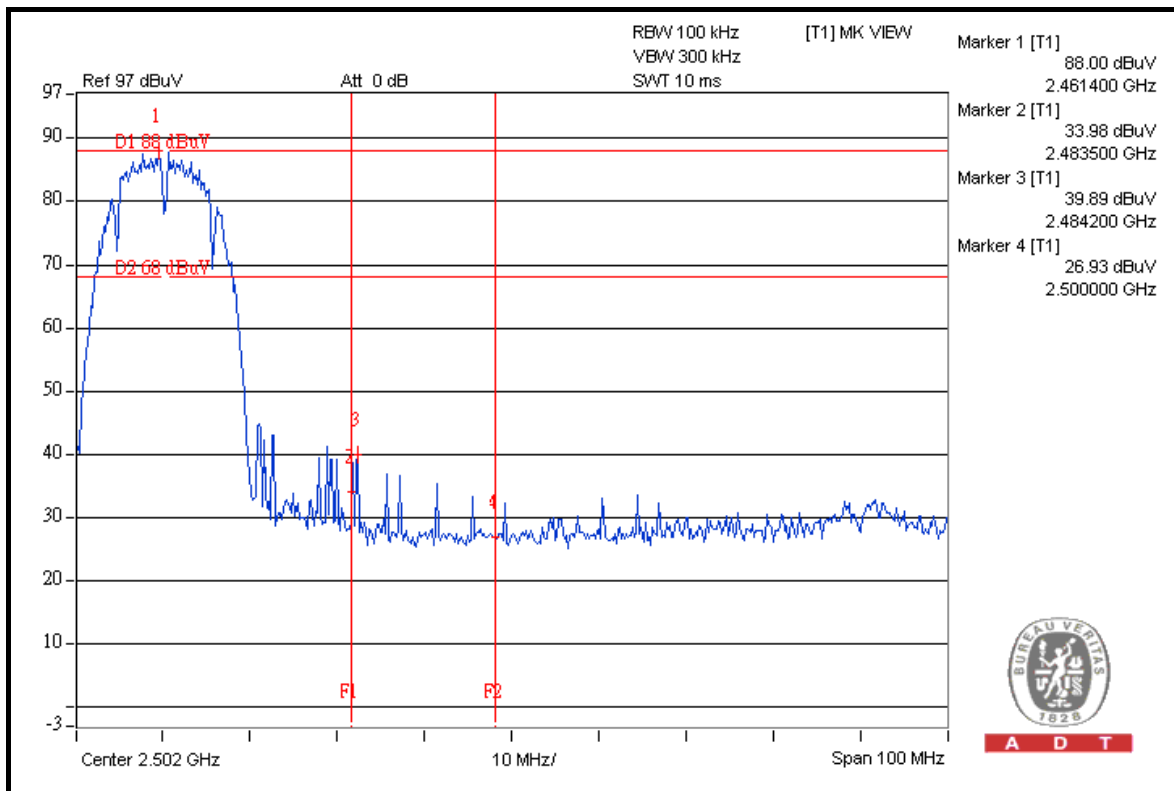
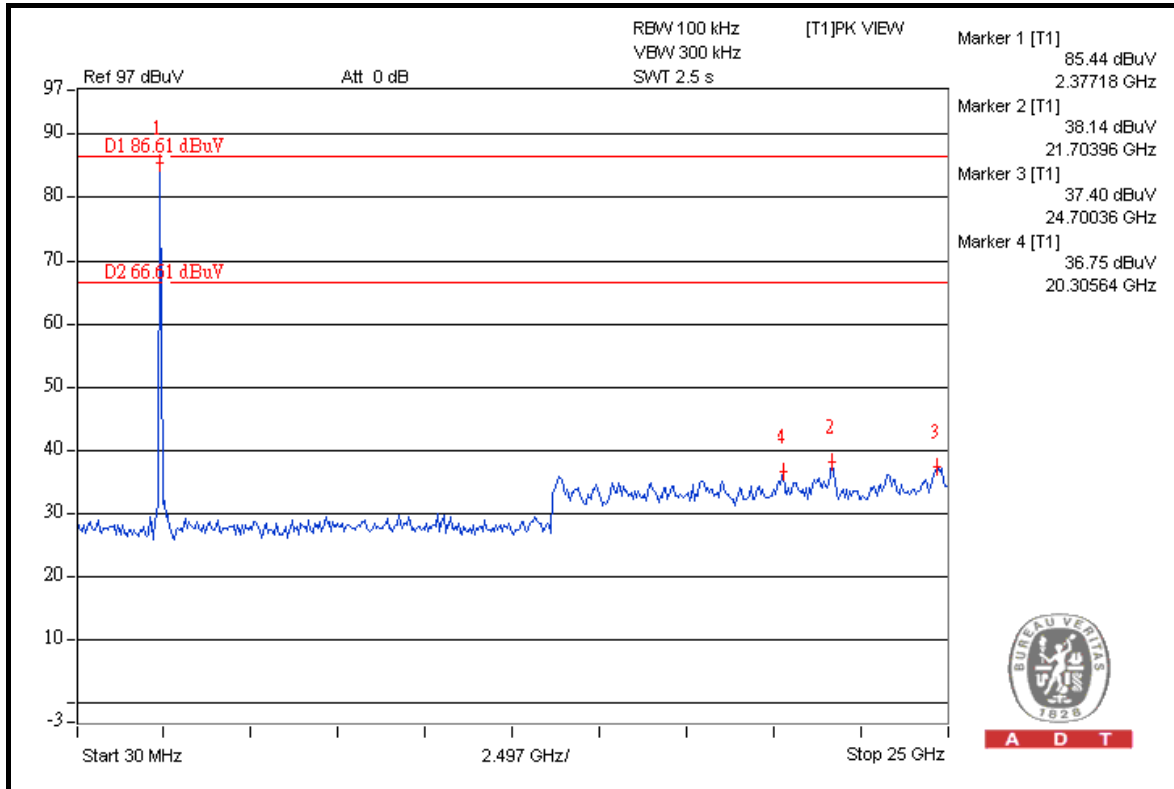


A D T



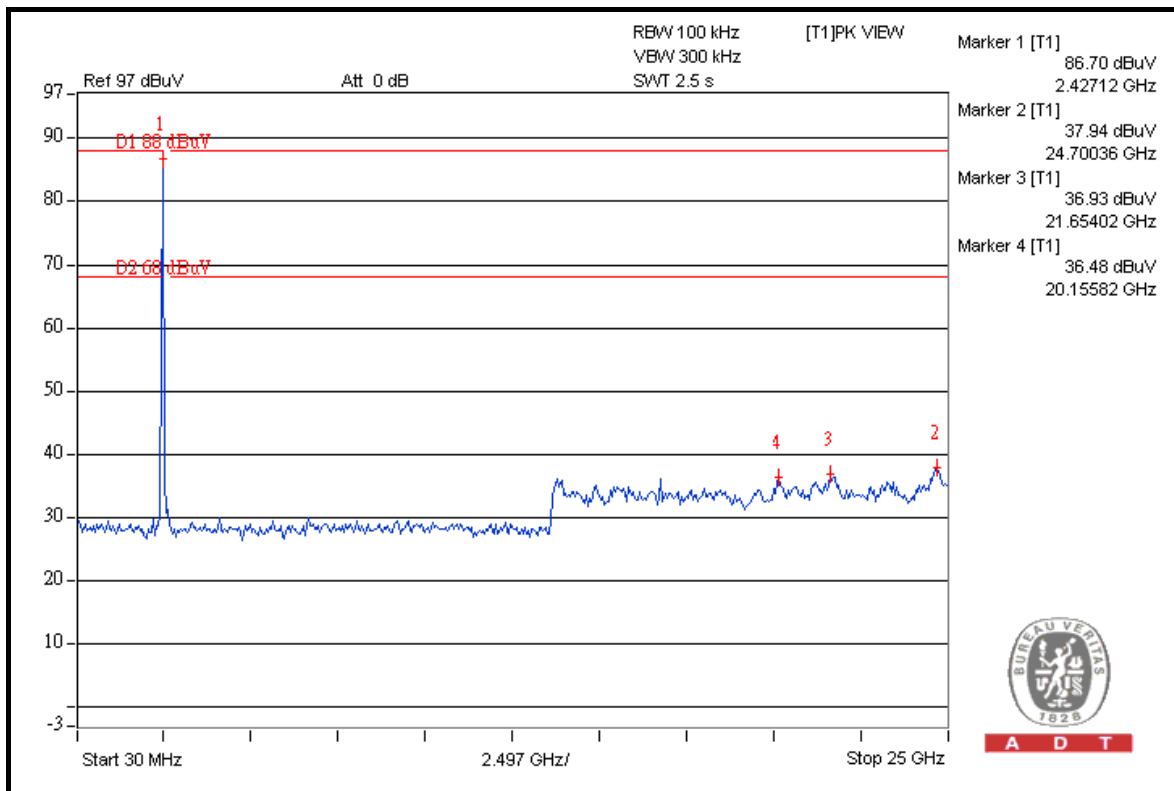
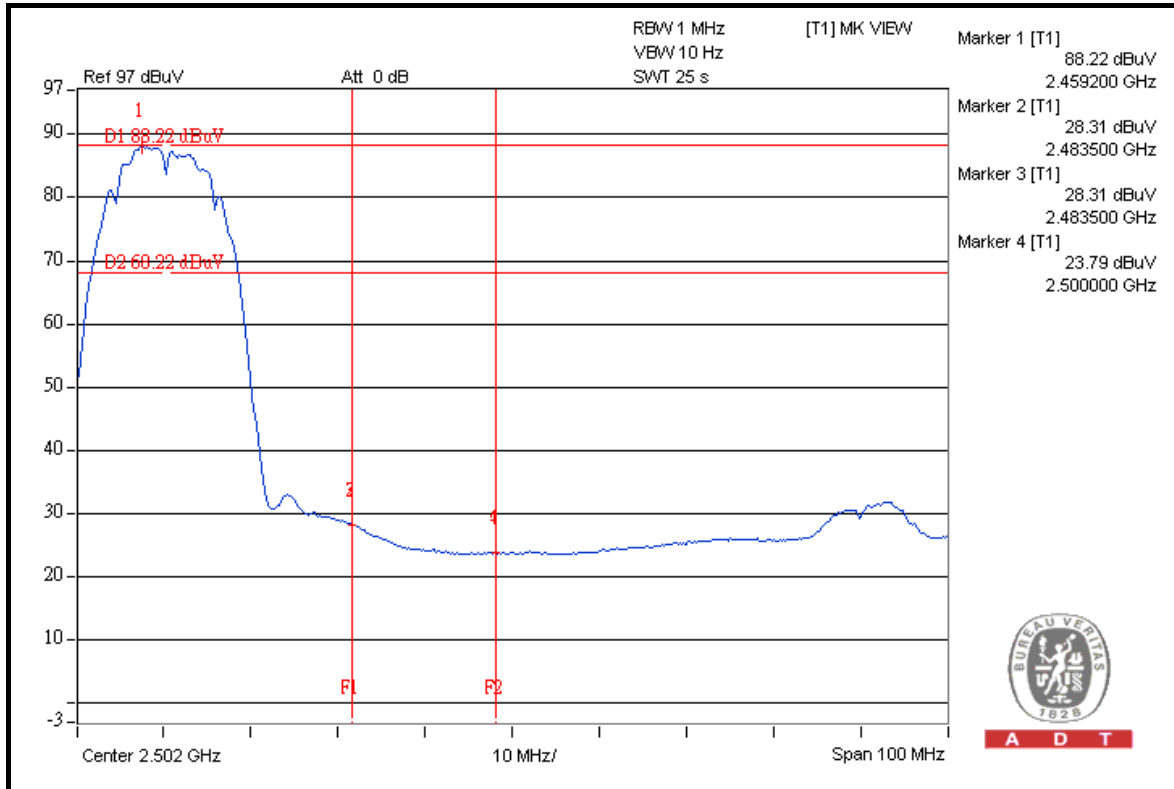


A D T





A D T





A D T

802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	117.0	48.08	68.92	74.00
2412.00 (AV)	104.6	51.94	52.66	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

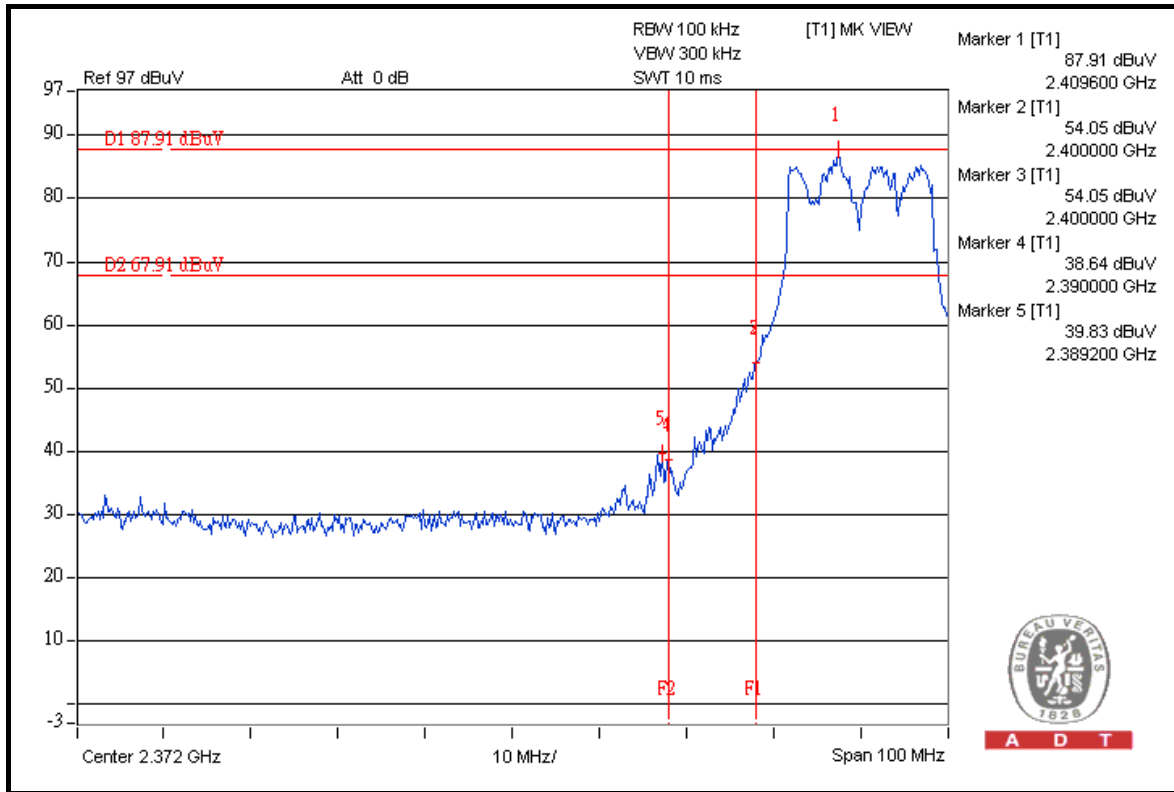
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	116.5	46.62	69.88	74.00
2462.00 (AV)	104.2	51.90	52.30	54.00

NOTE:

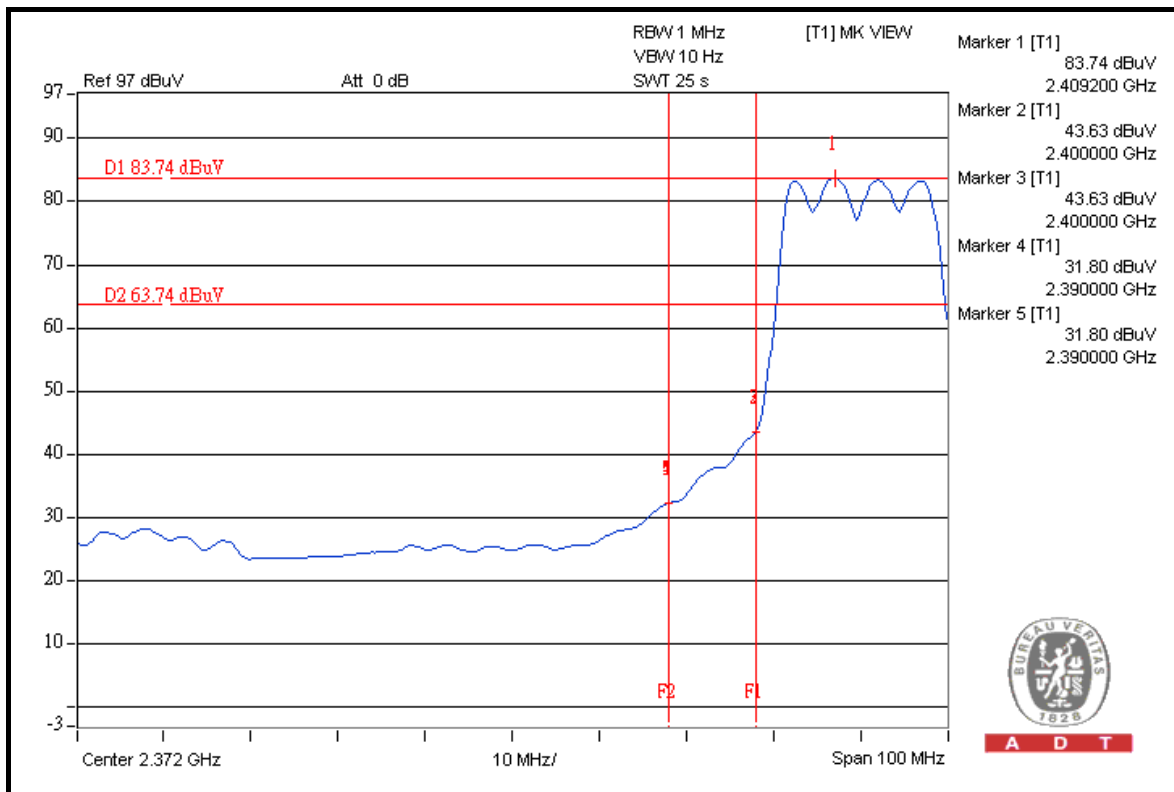
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.



A D T



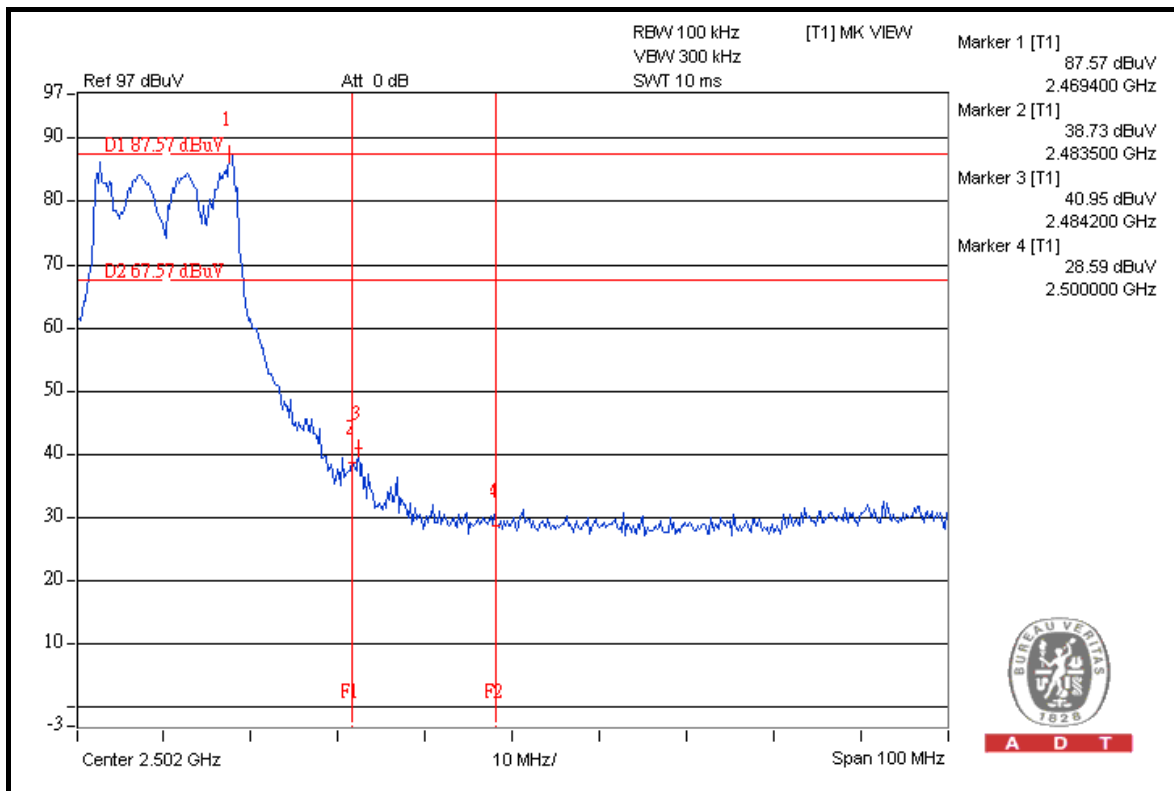
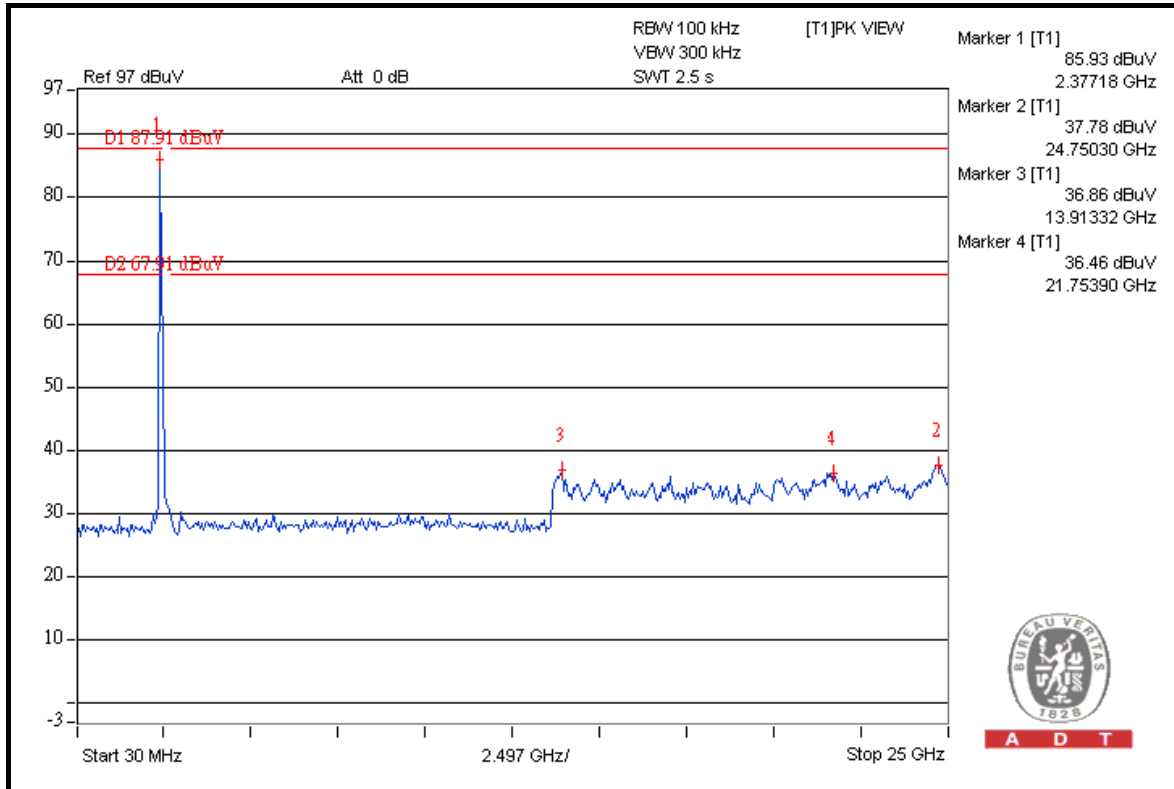
A D T



A D T

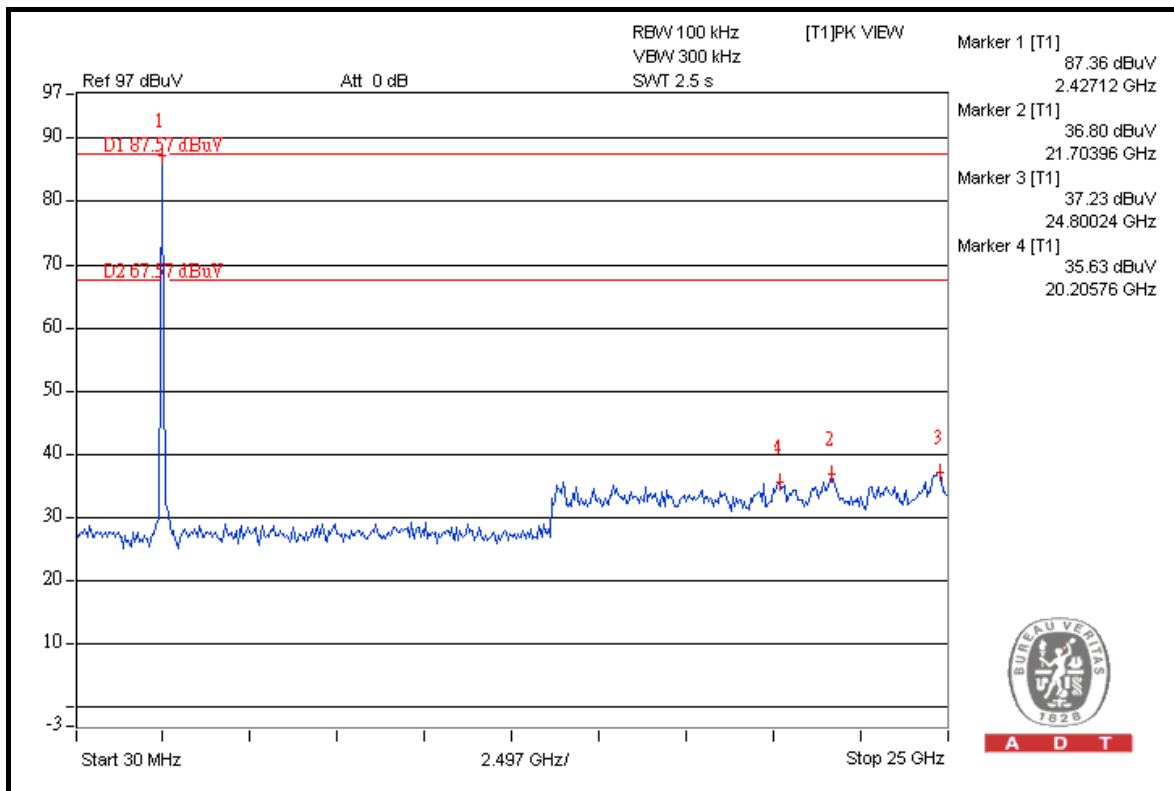
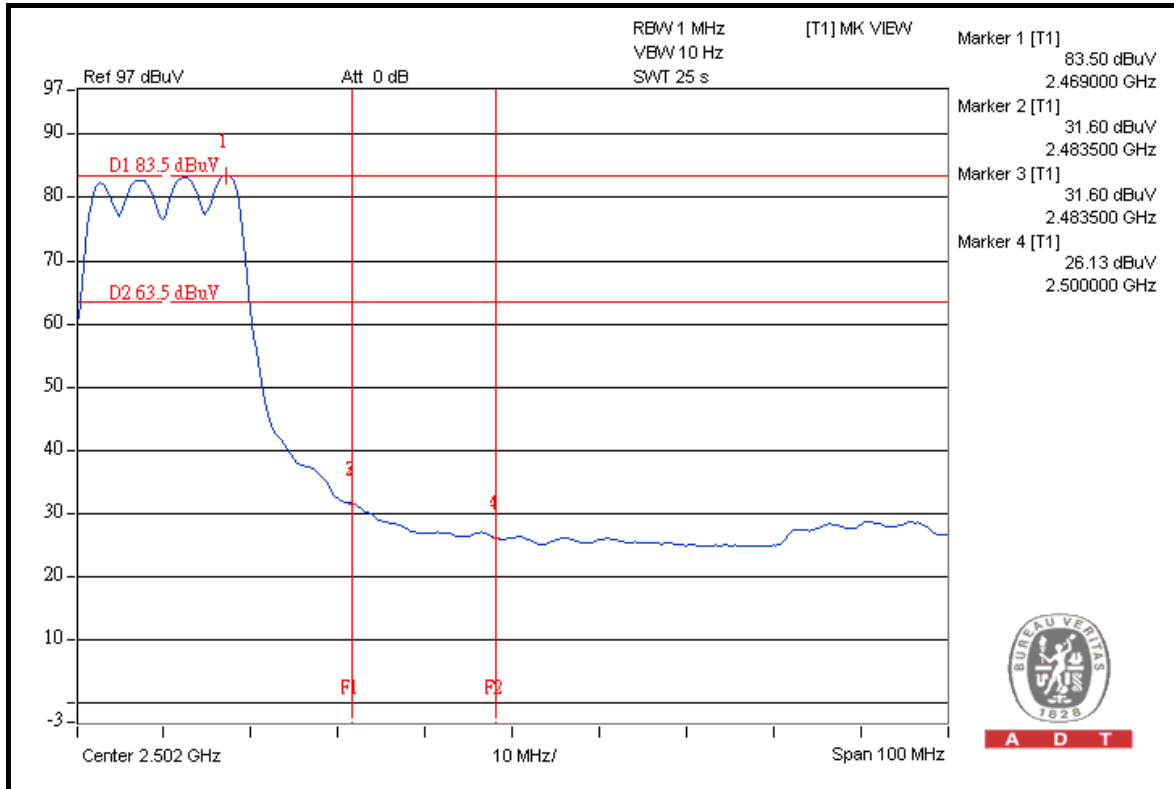


A D T





A D T





A D T

802.11n (20MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	117.4	53.69	63.71	74.00
2412.00 (AV)	105.0	53.56	51.44	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

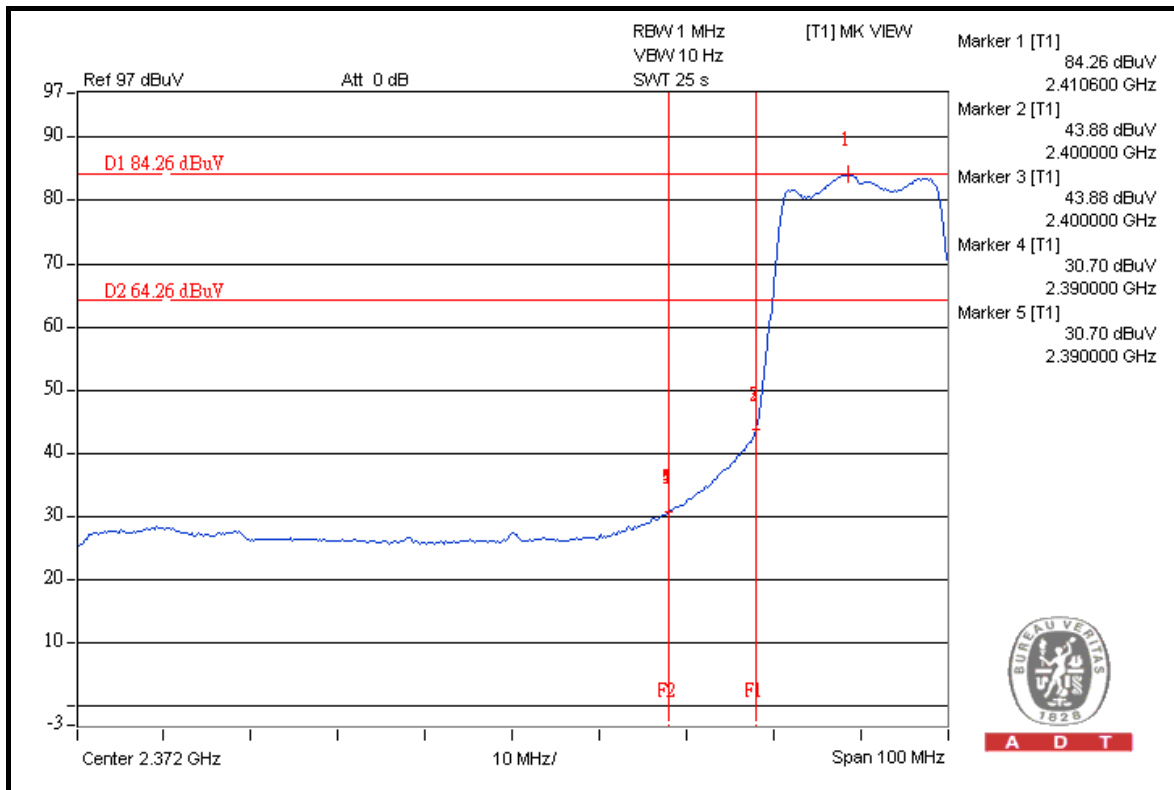
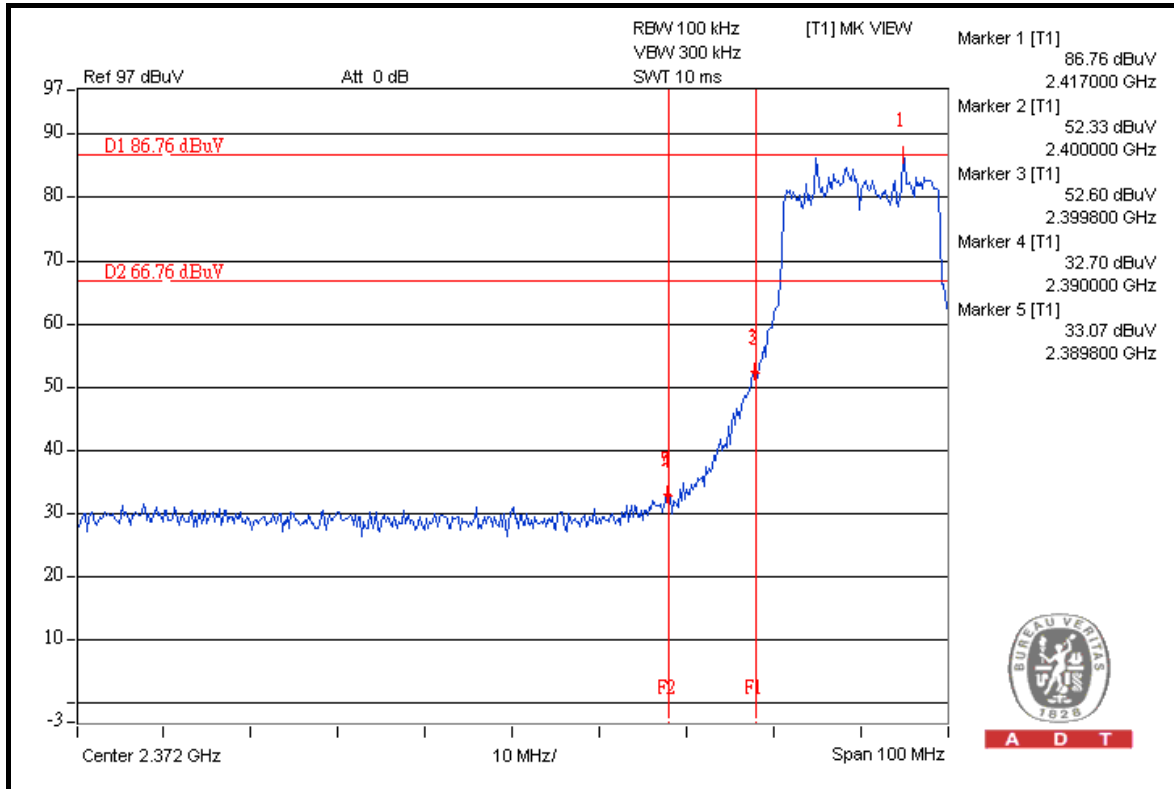
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	114.3	51.94	62.36	74.00
2462.00 (AV)	102.0	52.43	49.57	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

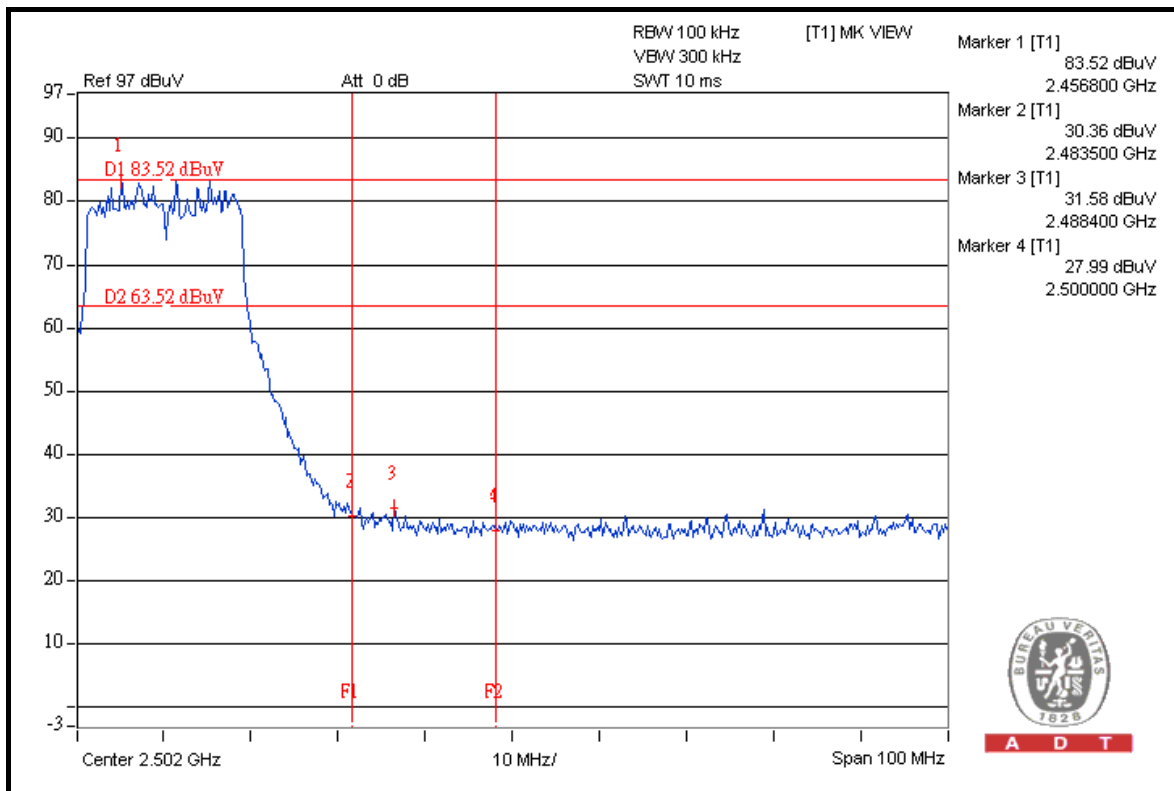
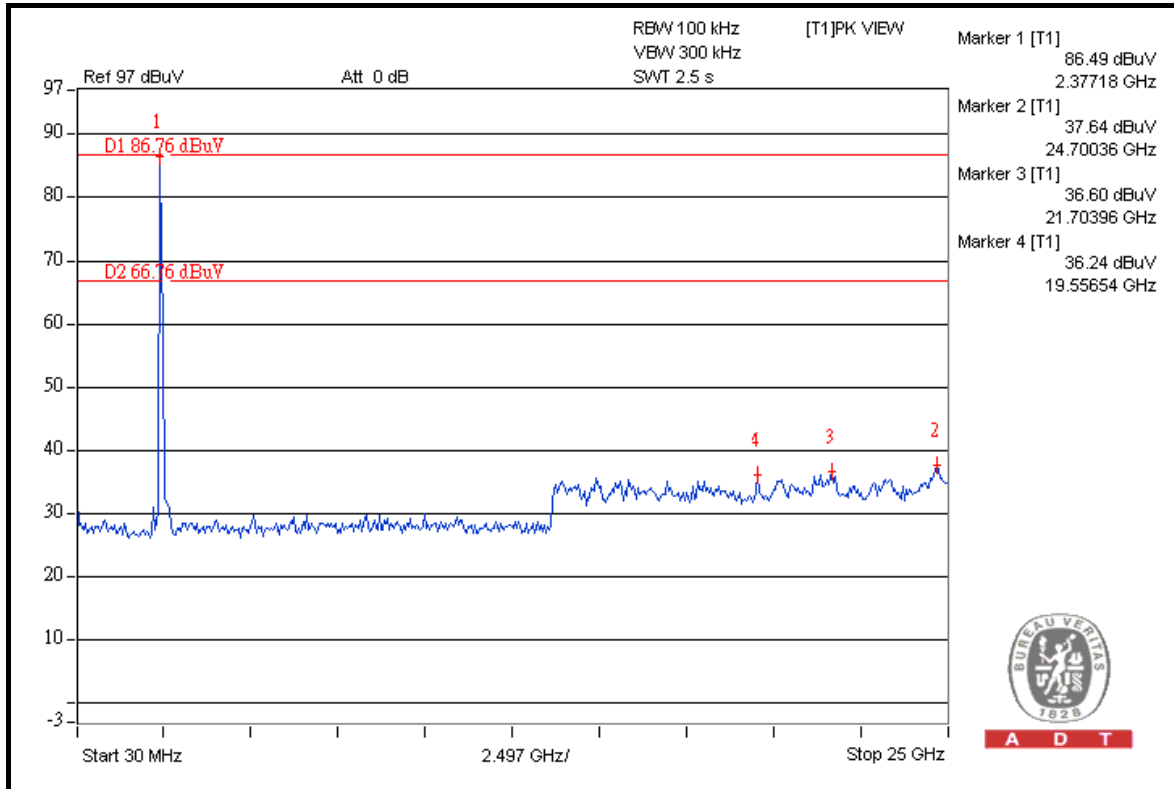


A D T



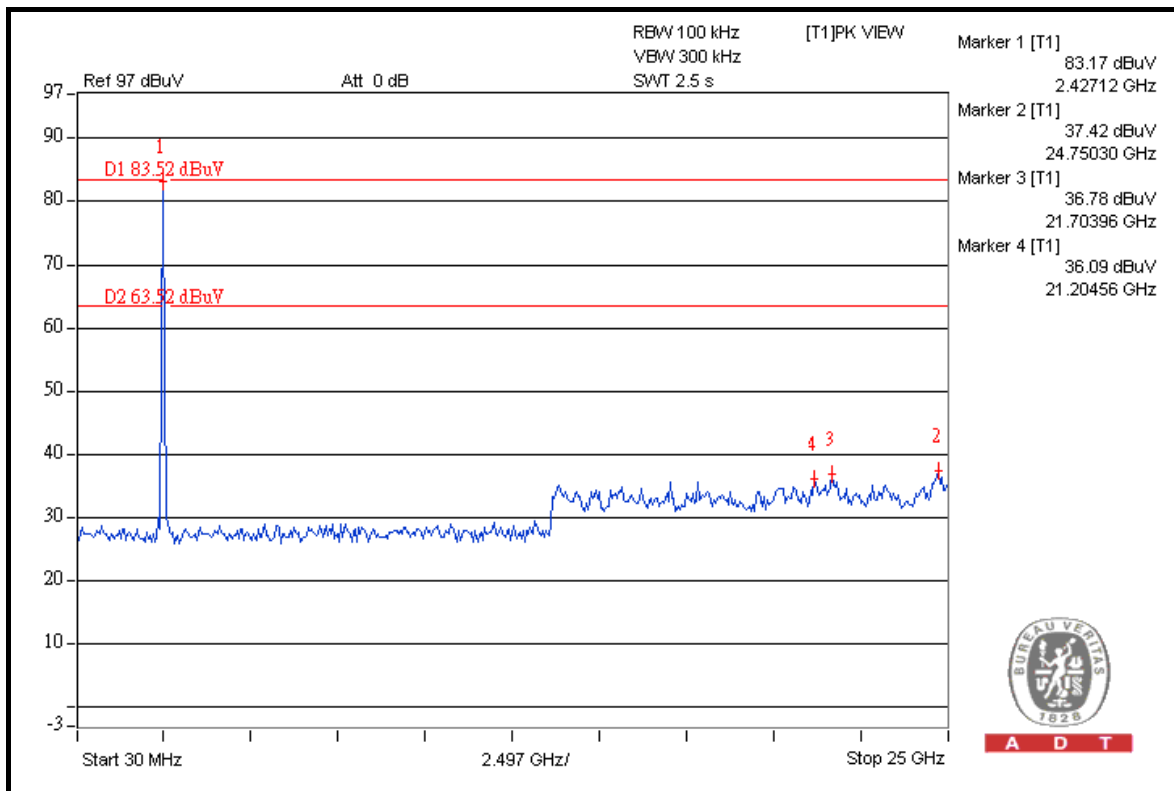
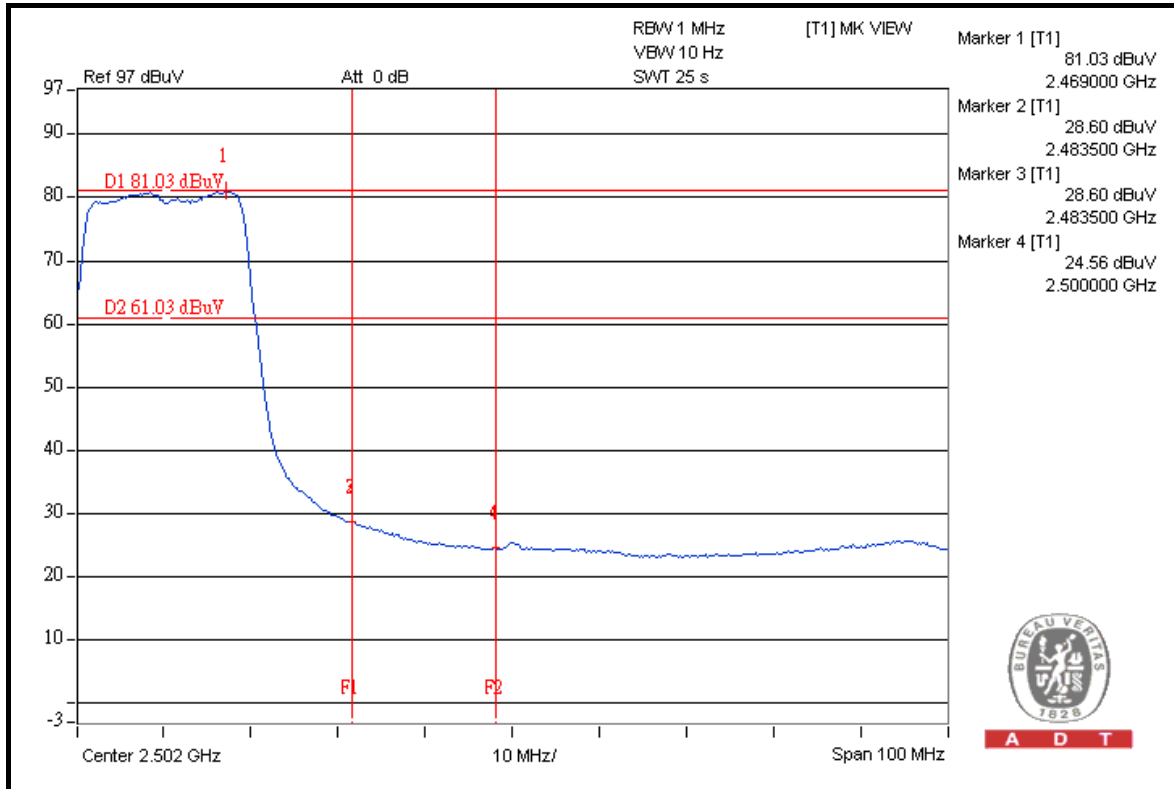


A D T





A D T





A D T

802.11n (40MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	111.0	45.33	65.67	74.00
2422.00 (AV)	98.8	46.10	52.70	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

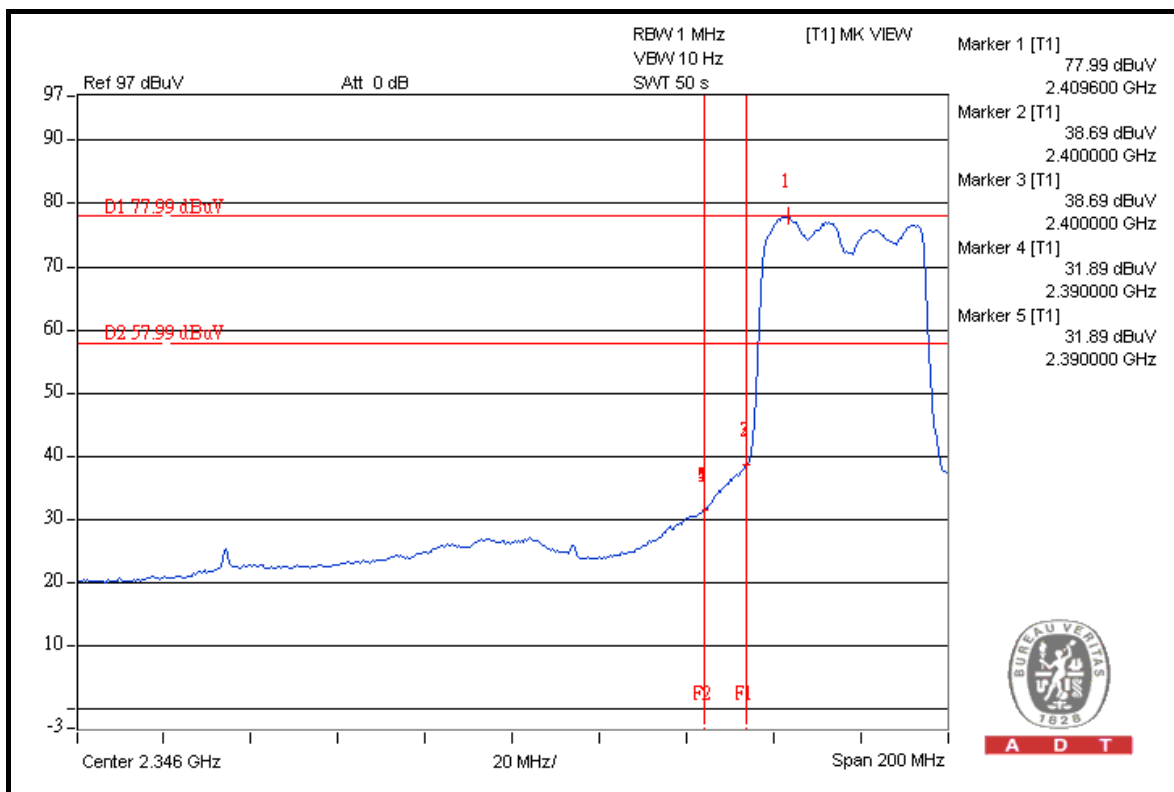
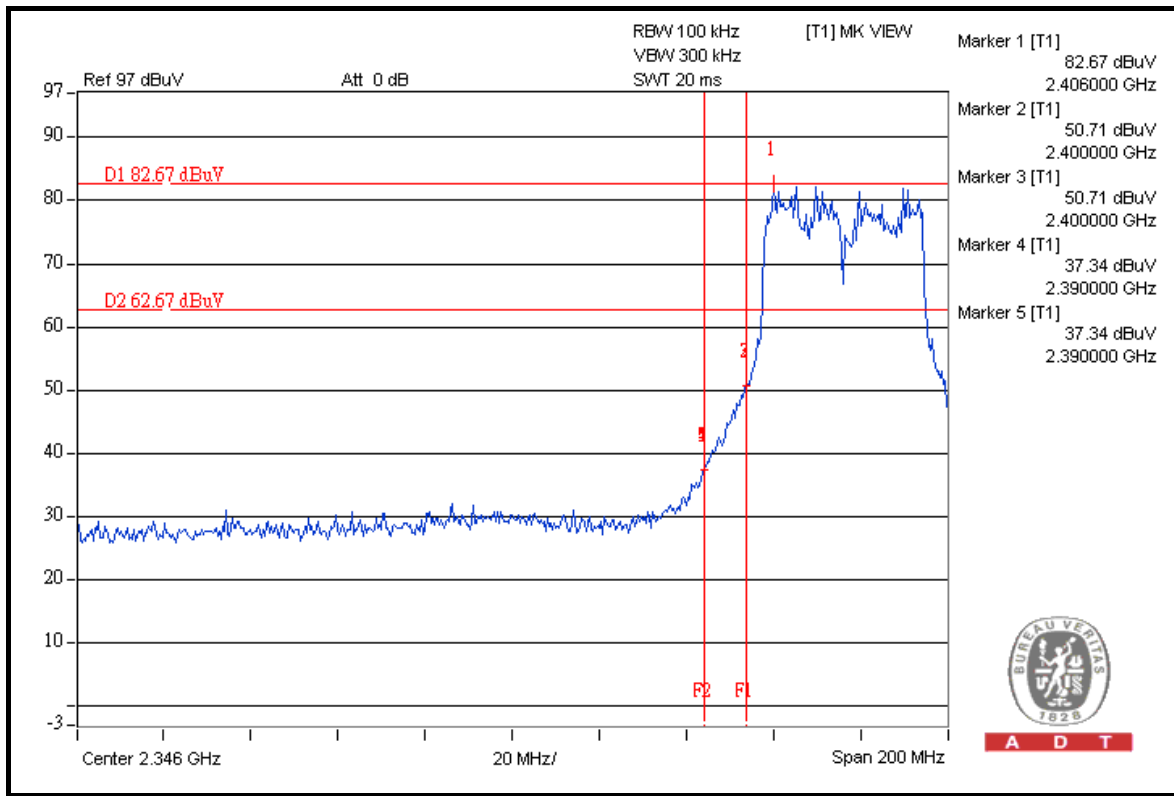
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	110.4	45.06	65.34	74.00
2452.00 (AV)	98.2	45.59	52.61	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

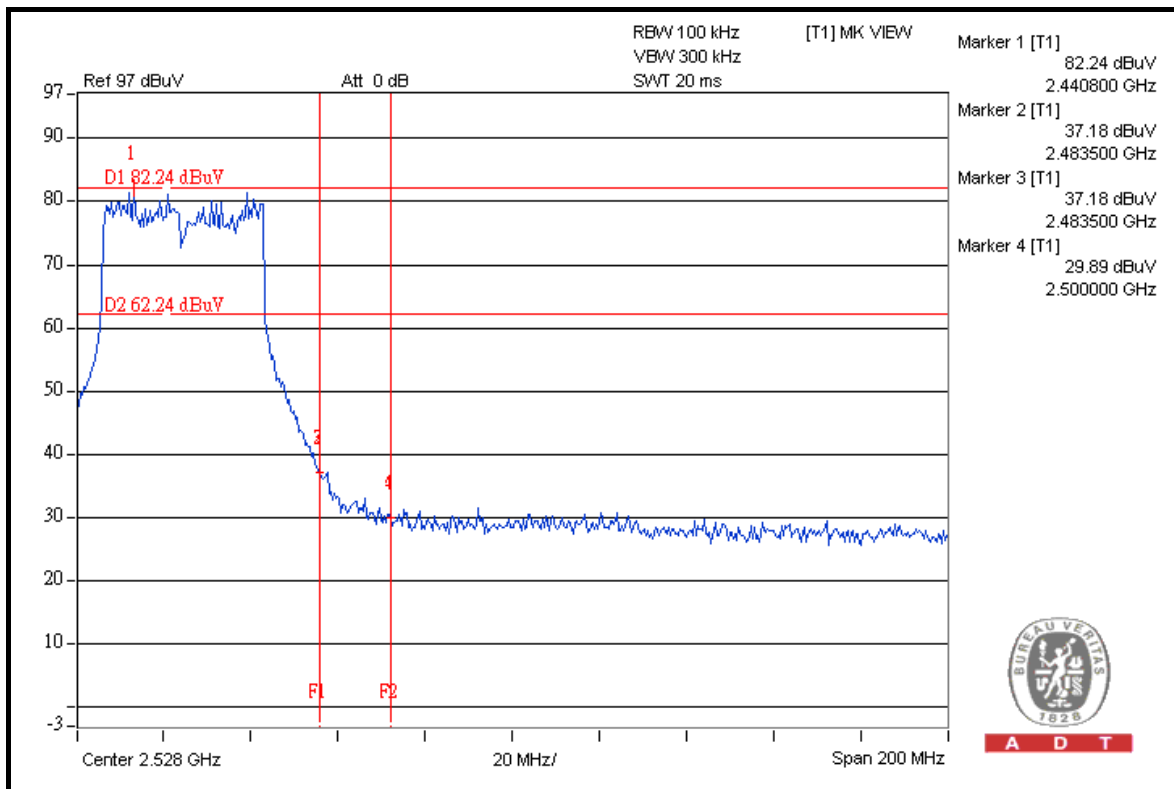
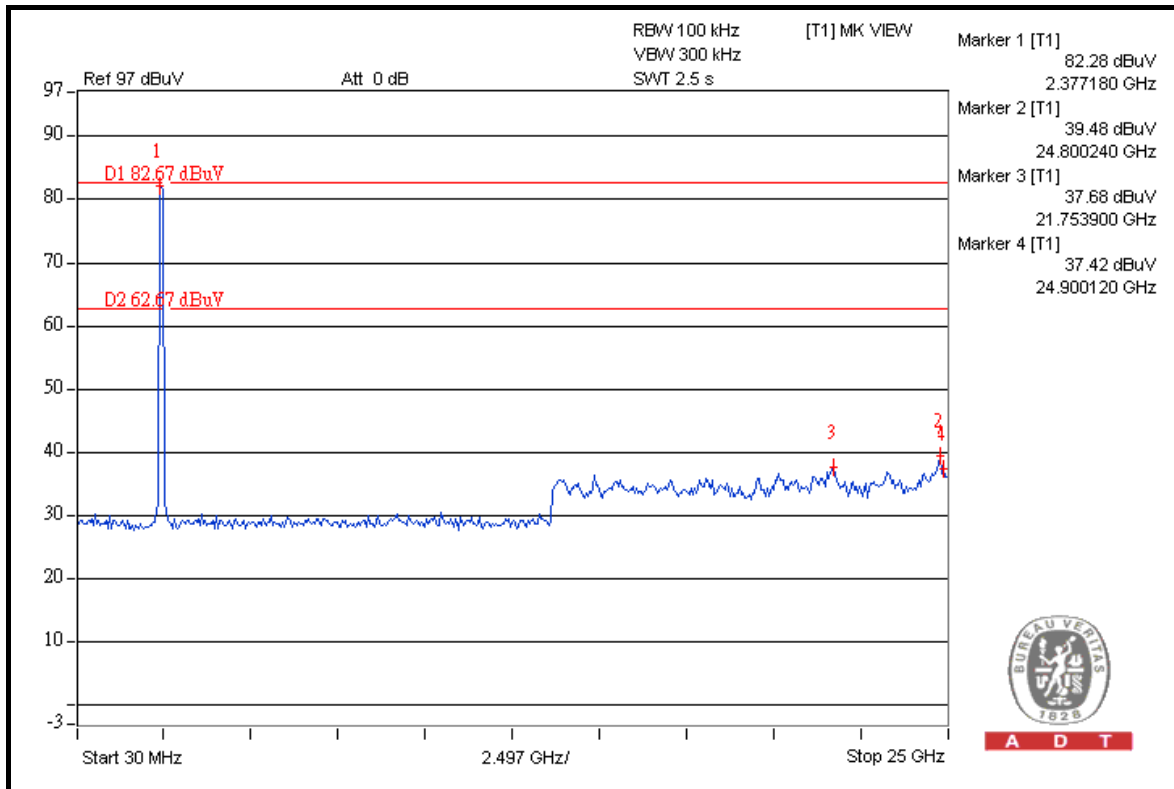


A D T



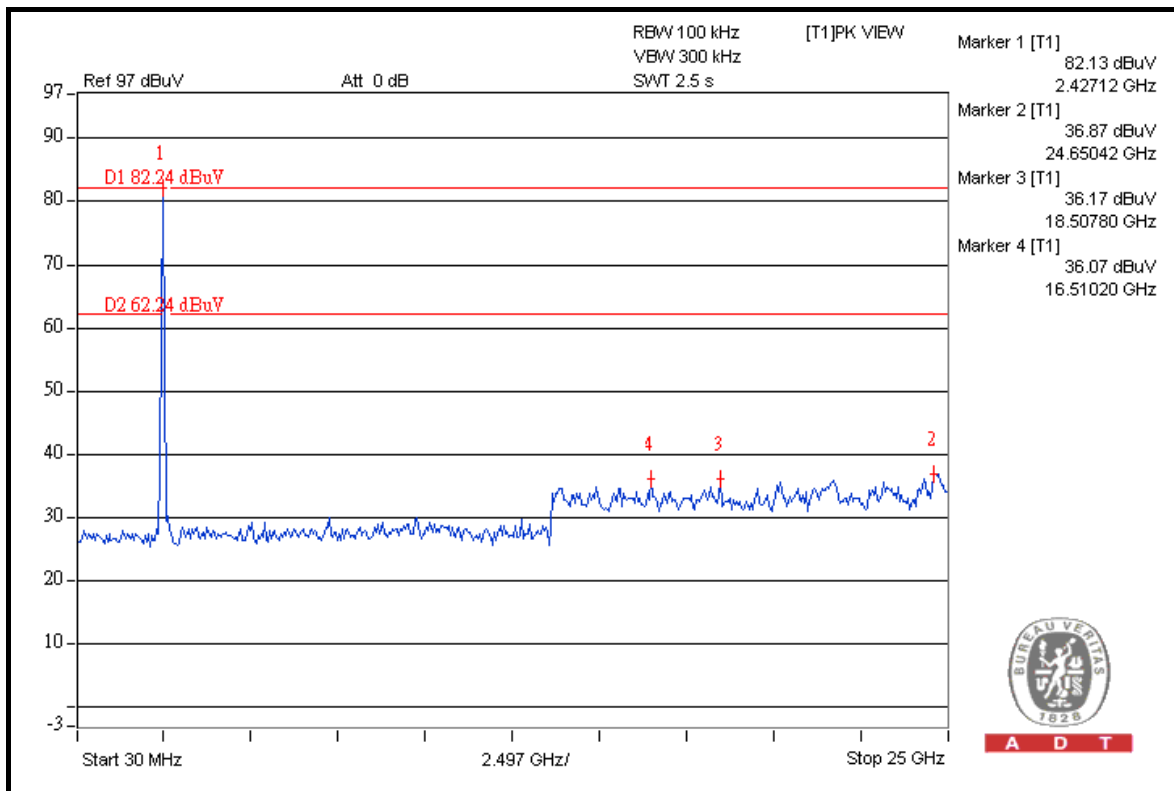
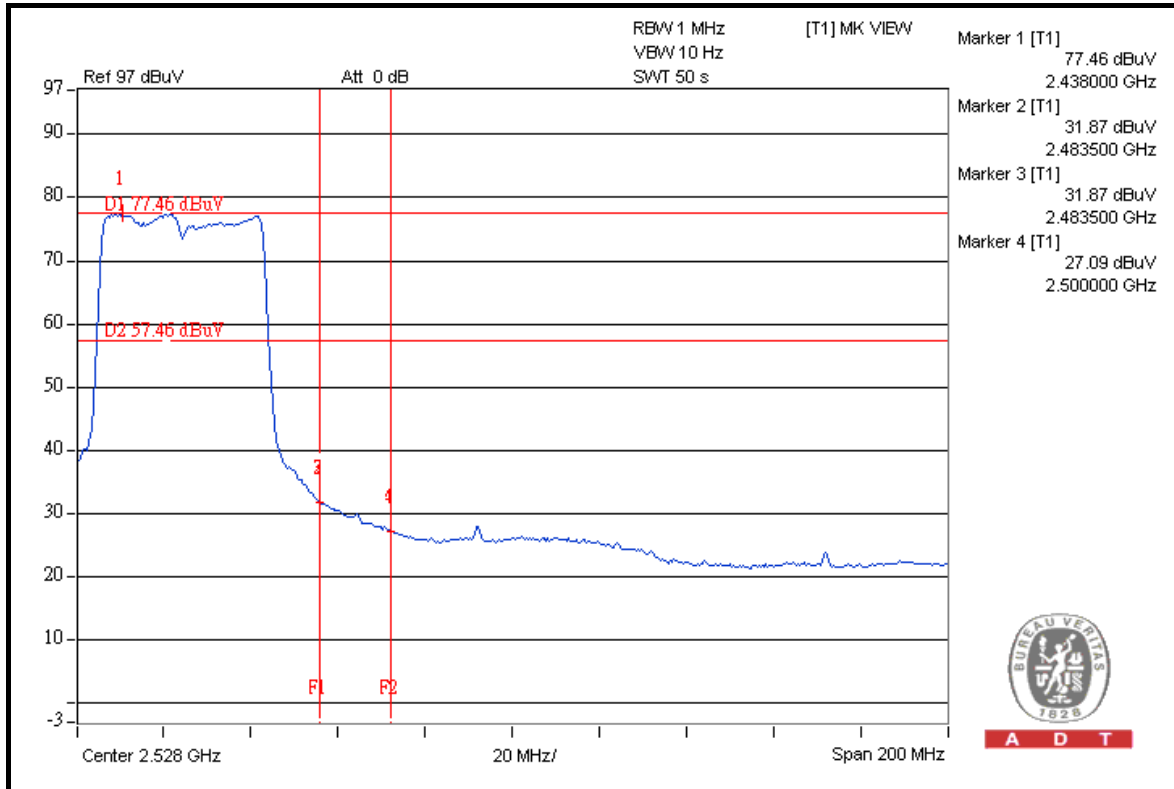


A D T





A D T





A D T

4.6.14 TEST RESULTS (TEST MODE E 1)

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	113.9	56.43	57.47	74.00
2412.00 (AV)	110.0	58.15	51.85	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

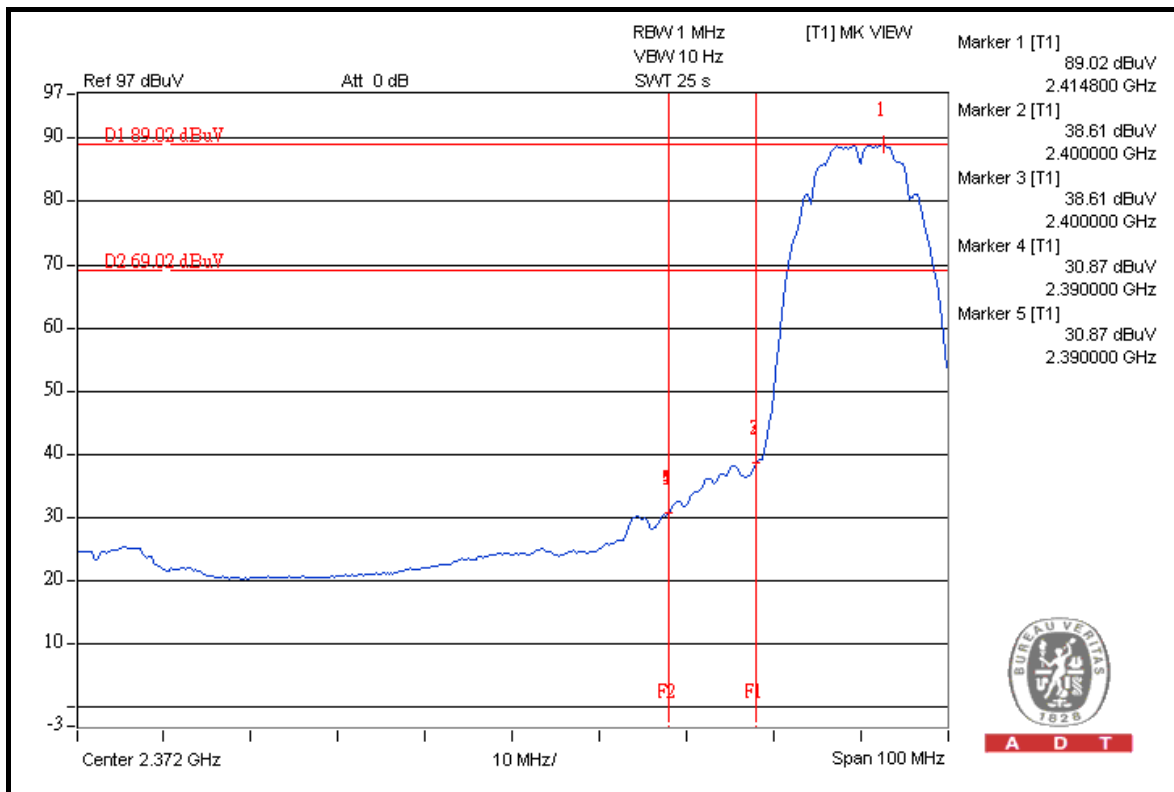
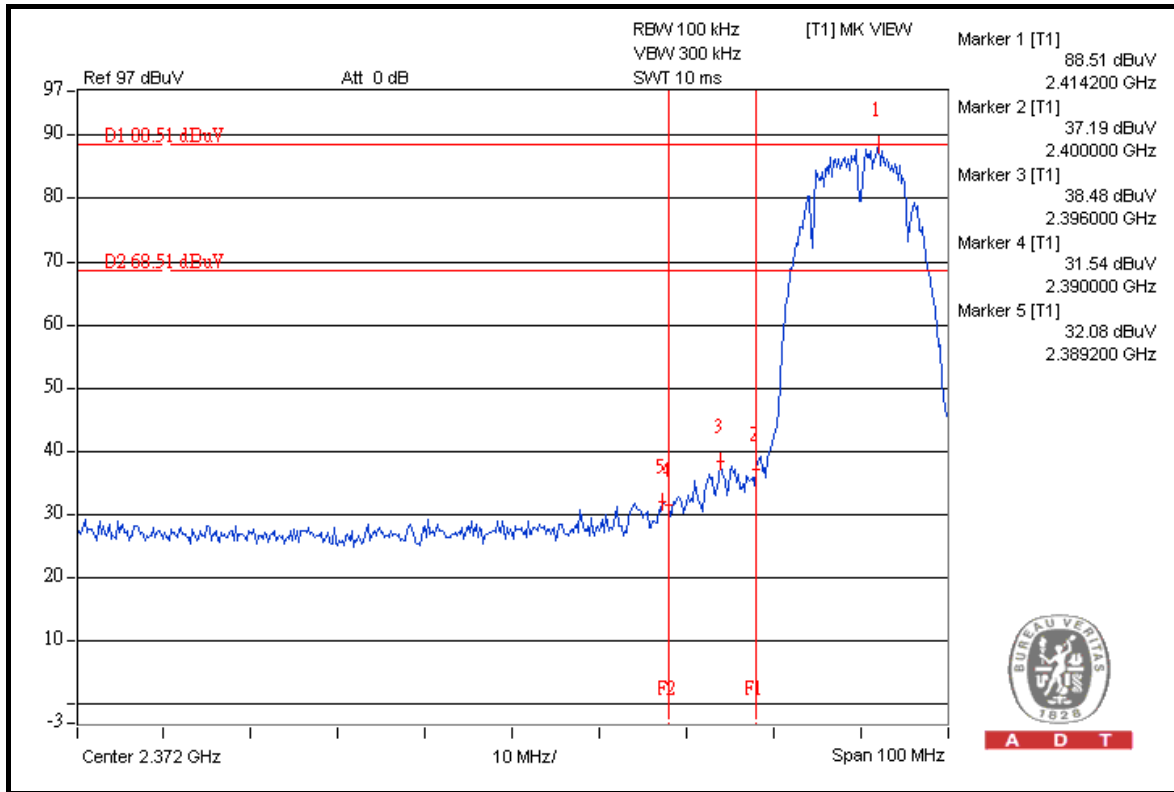
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	114.0	55.61	58.39	74.00
2462.00 (AV)	110.3	59.05	51.25	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

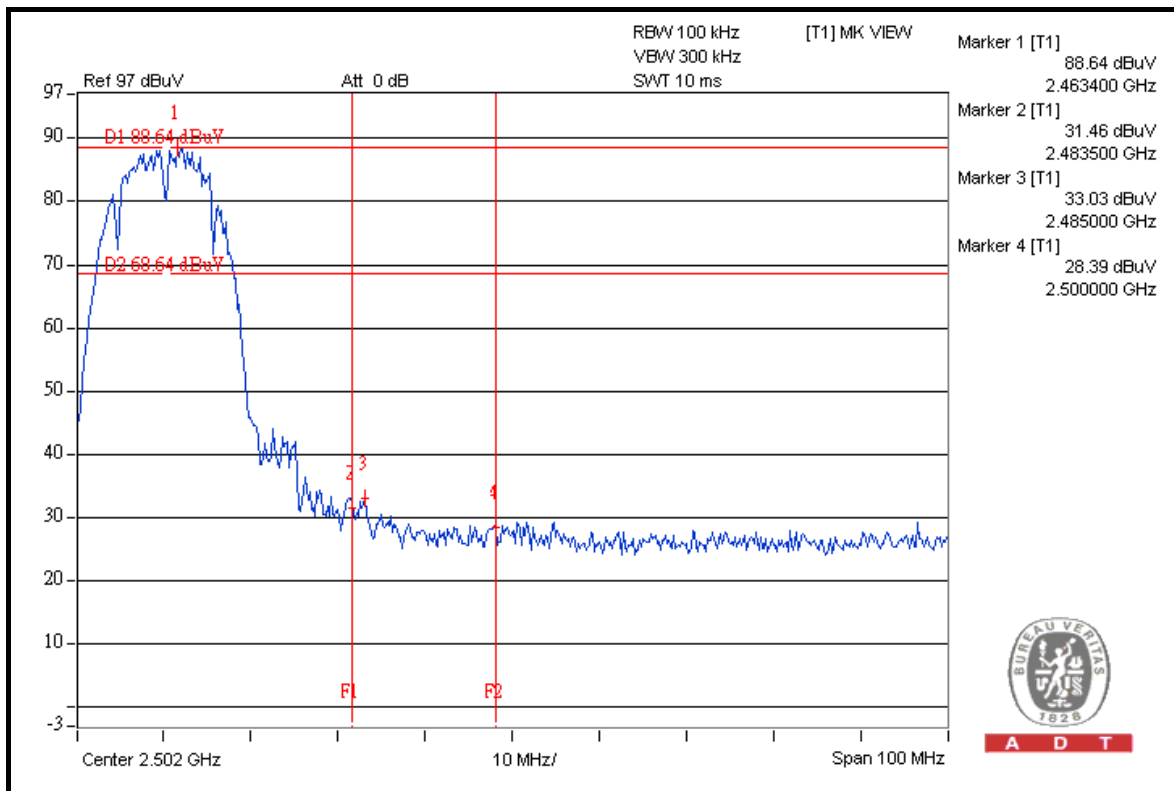
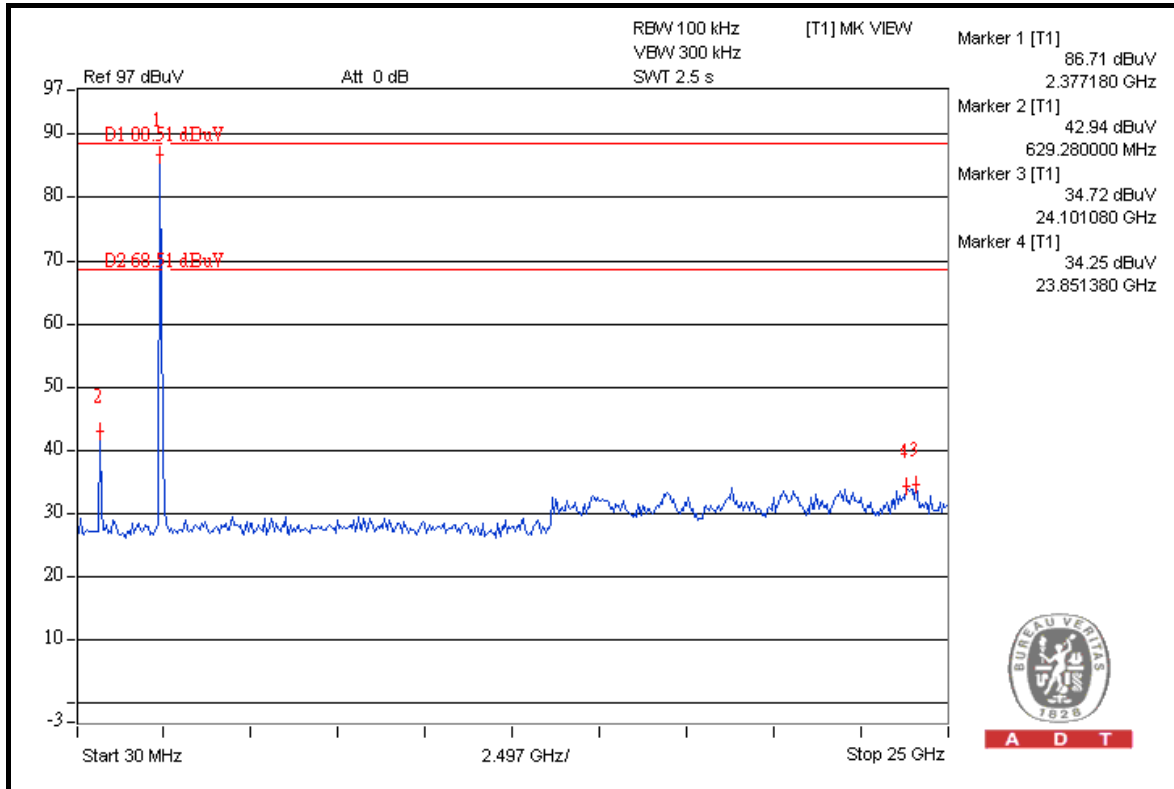


A D T



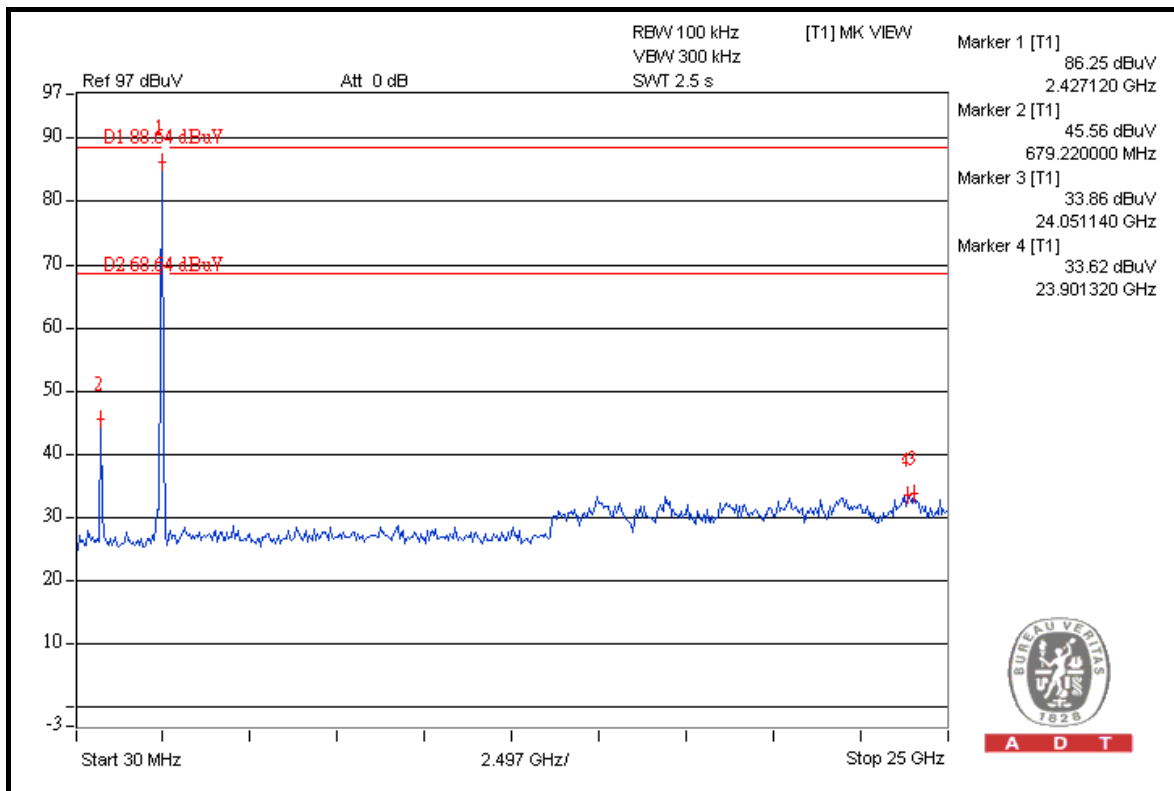
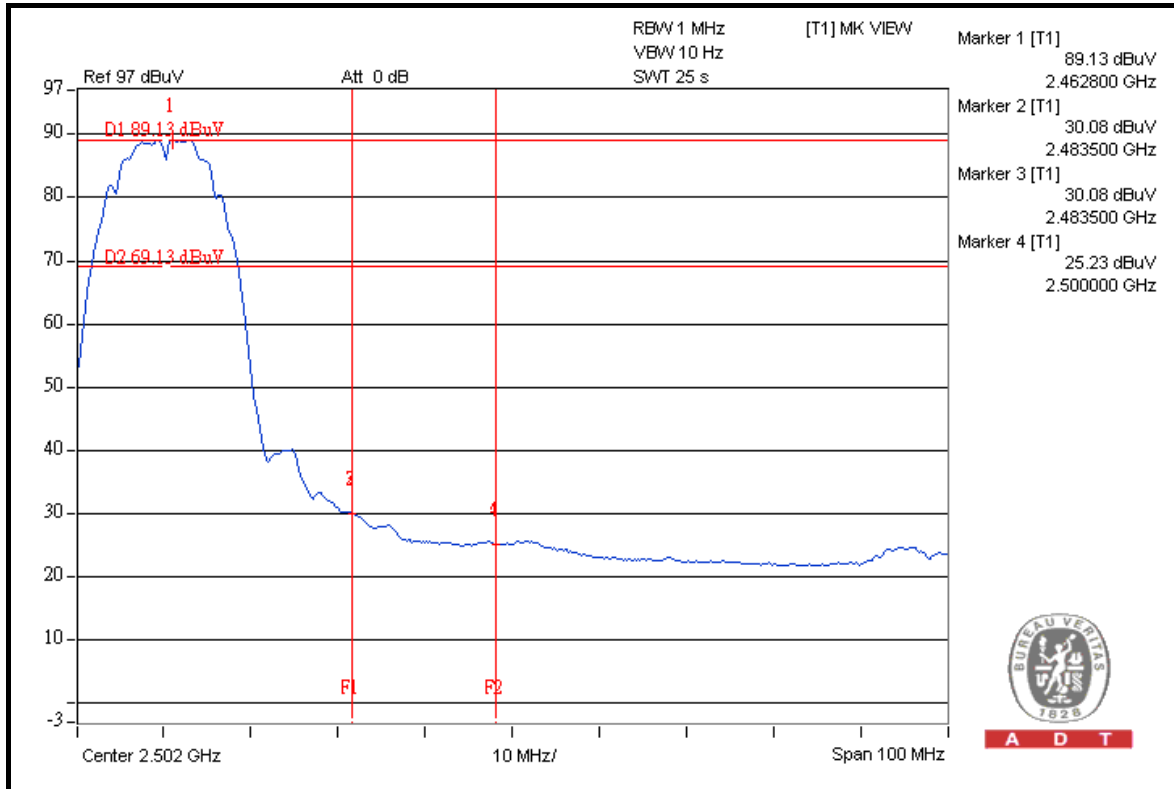


A D T





A D T





A D T

802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	111.0	42.35	68.65	74.00
2412.00 (AV)	98.6	47.52	51.08	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

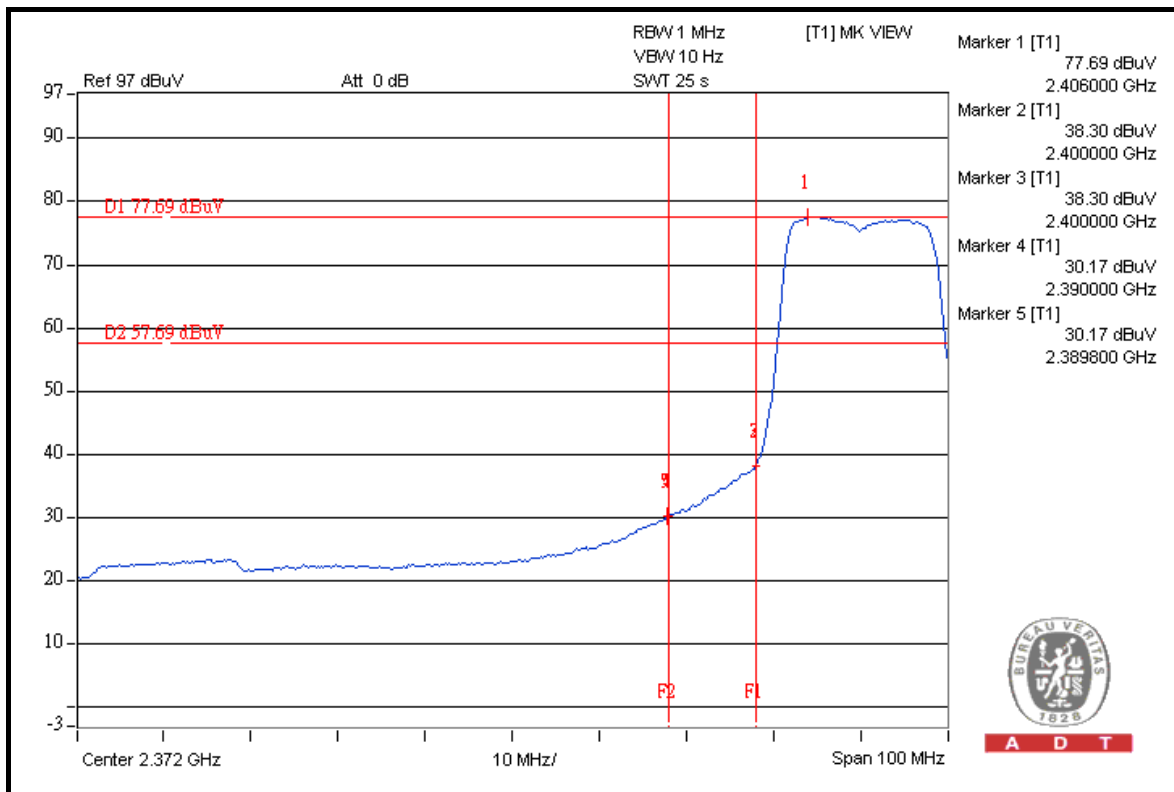
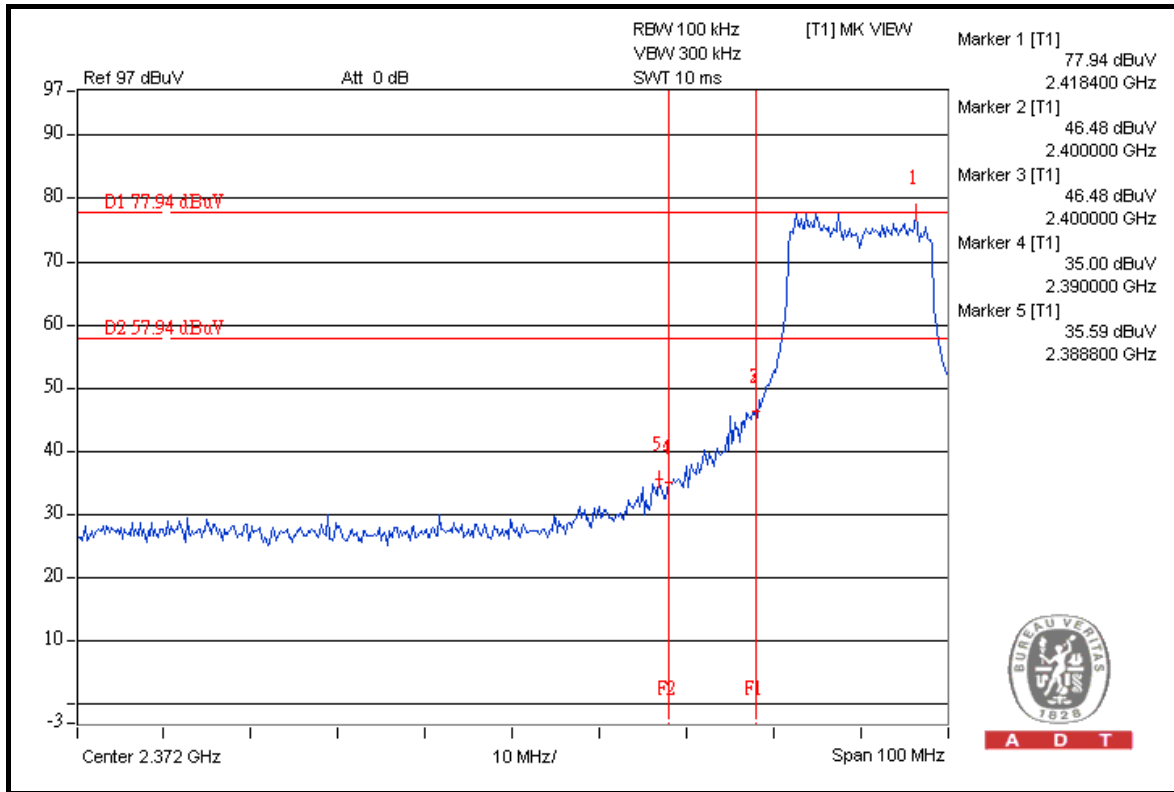
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.9	44.83	69.07	74.00
2462.00 (AV)	101.0	49.67	51.33	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

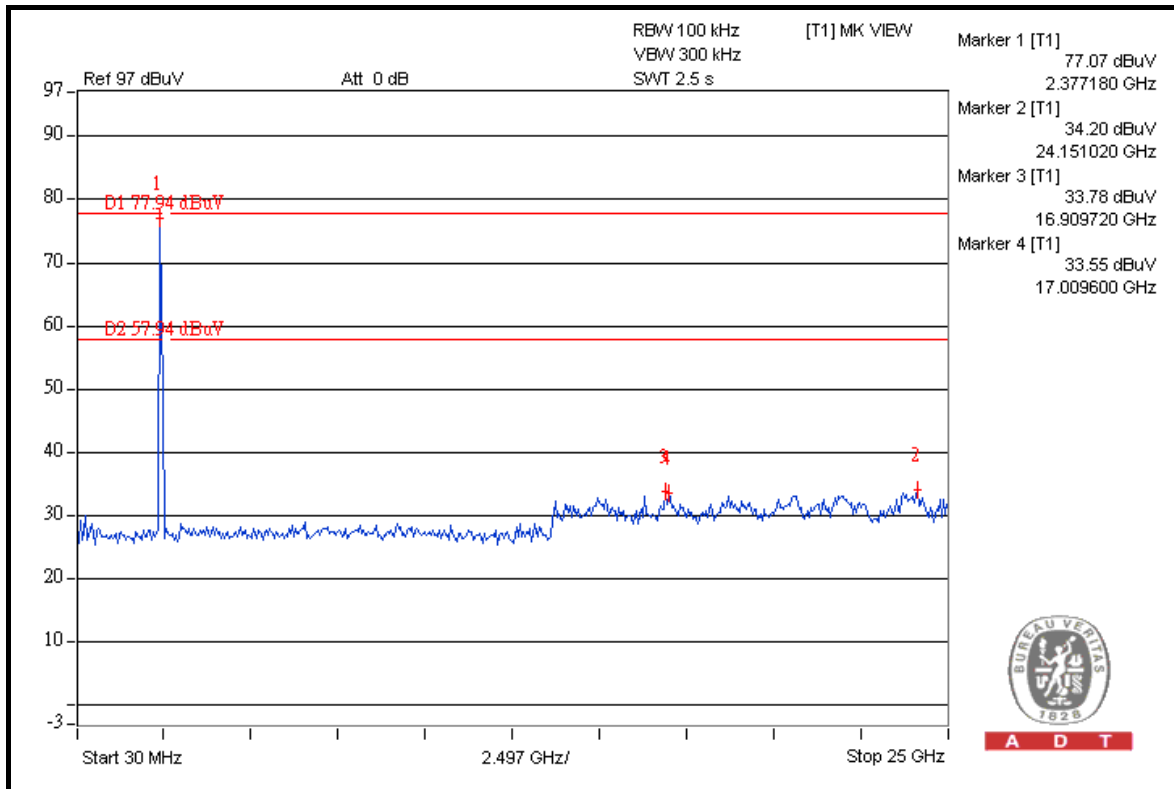


A D T

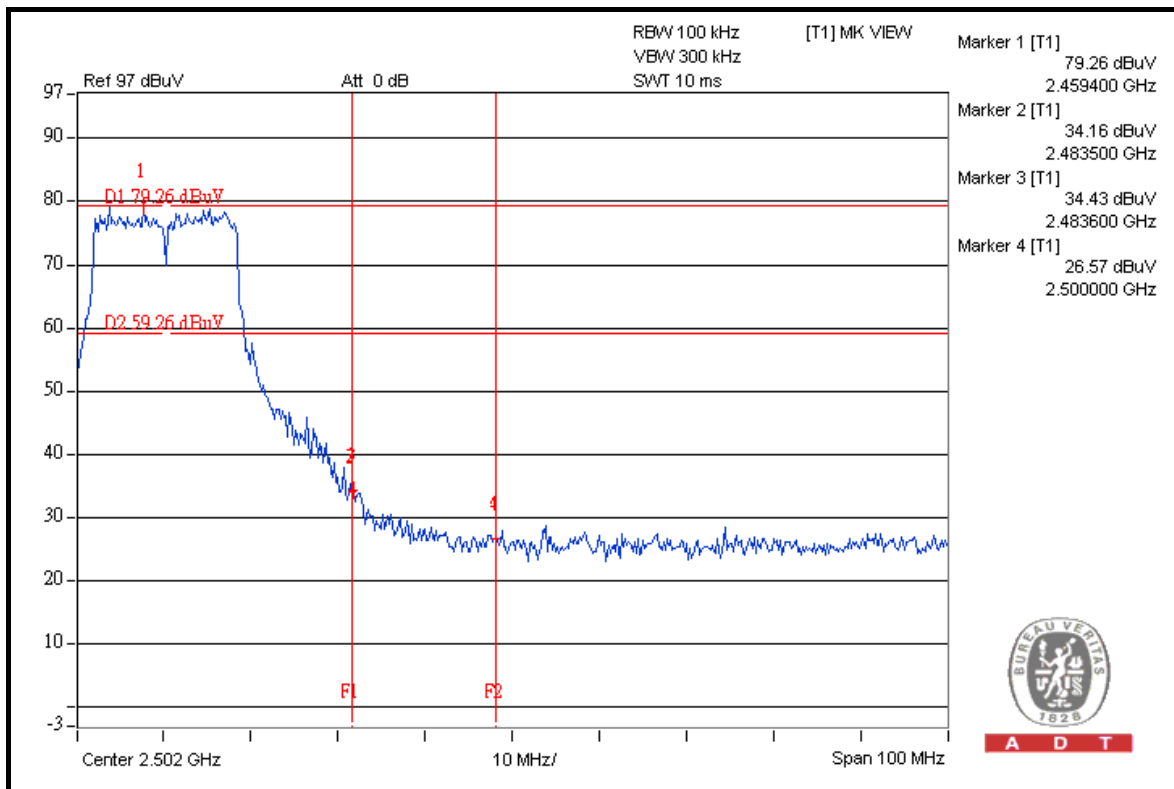




A D T



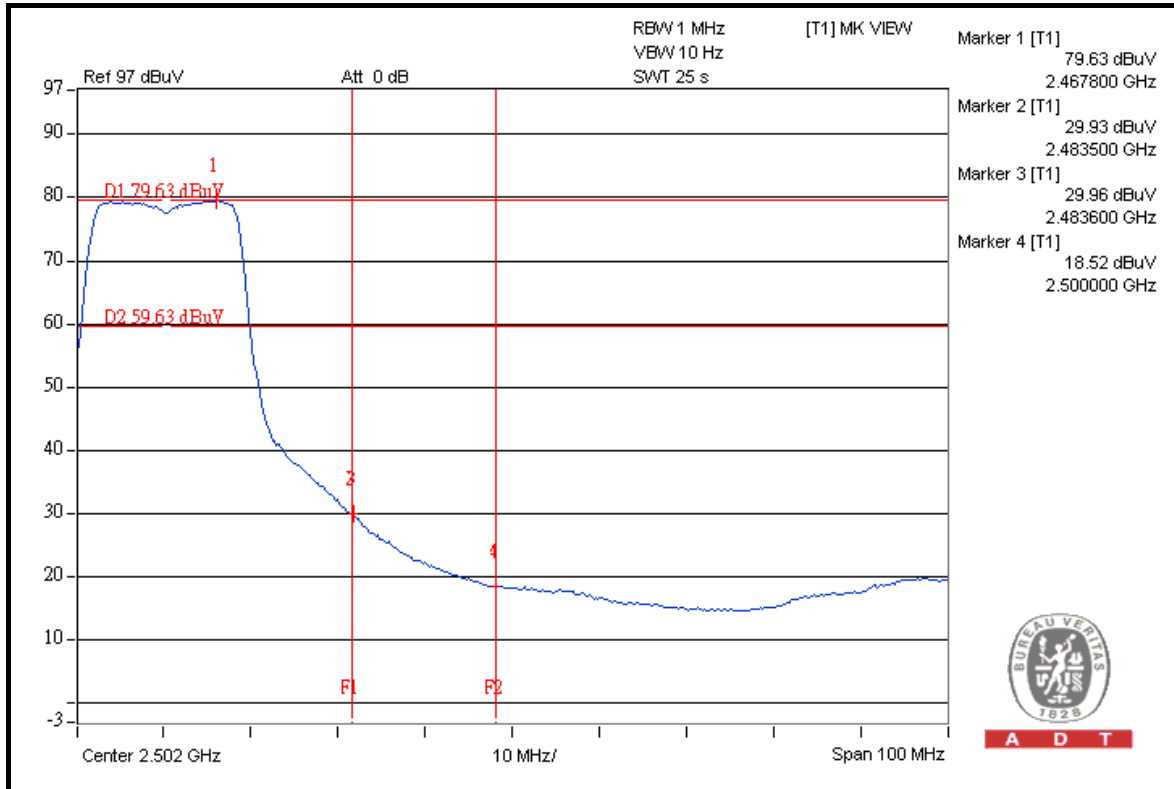
A D T



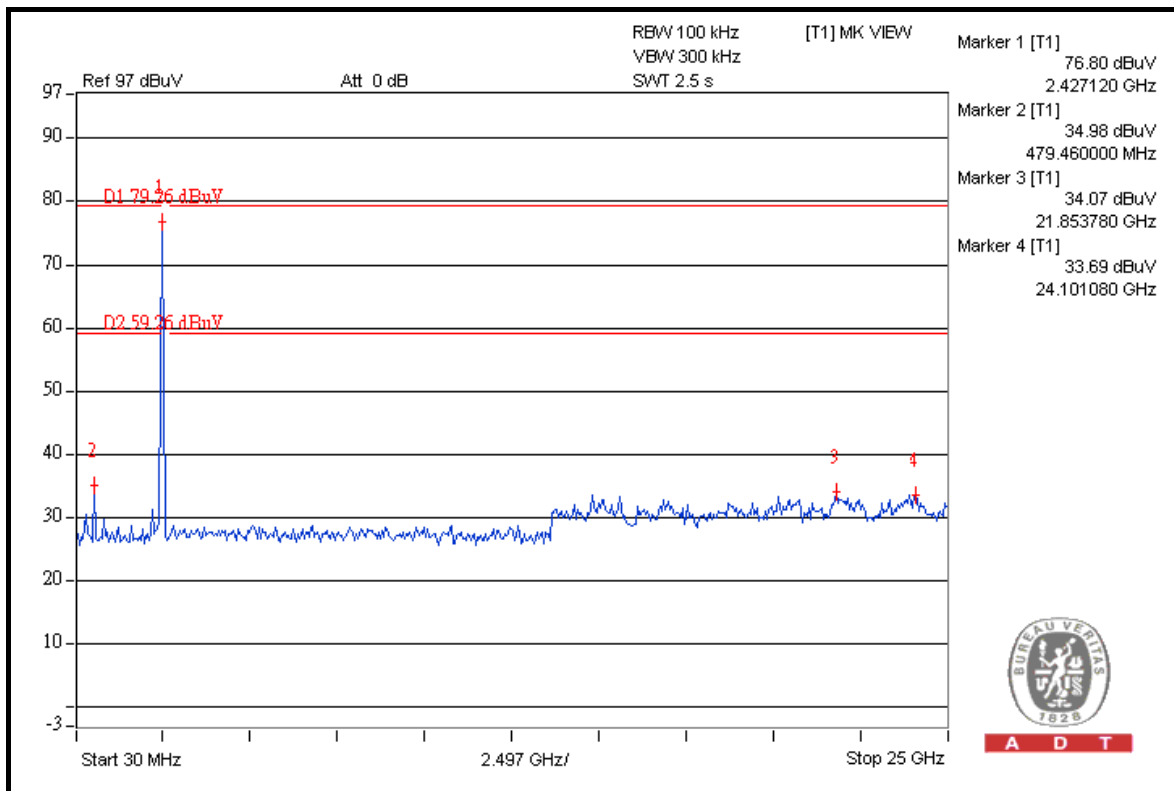
A D T



A D T



A D T



A D T



A D T

802.11n (20MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	110.6	43.76	66.84	74.00
2412.00 (AV)	98.3	47.85	50.45	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

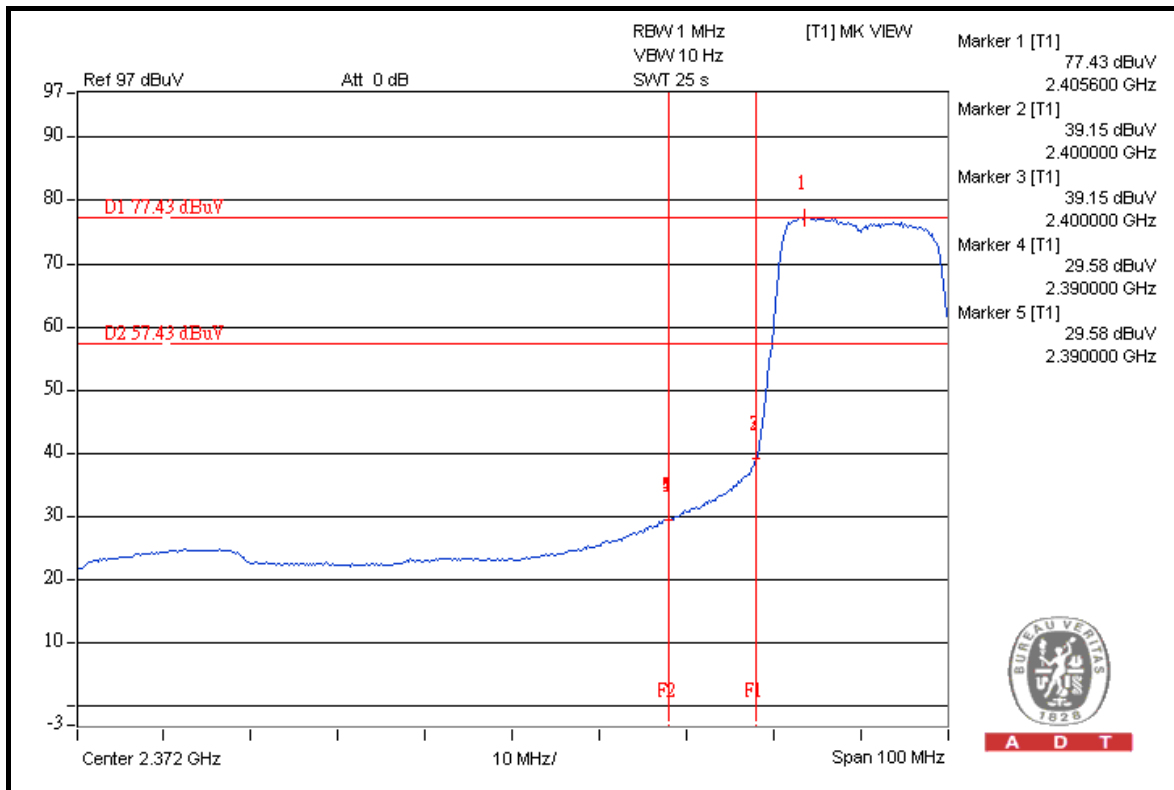
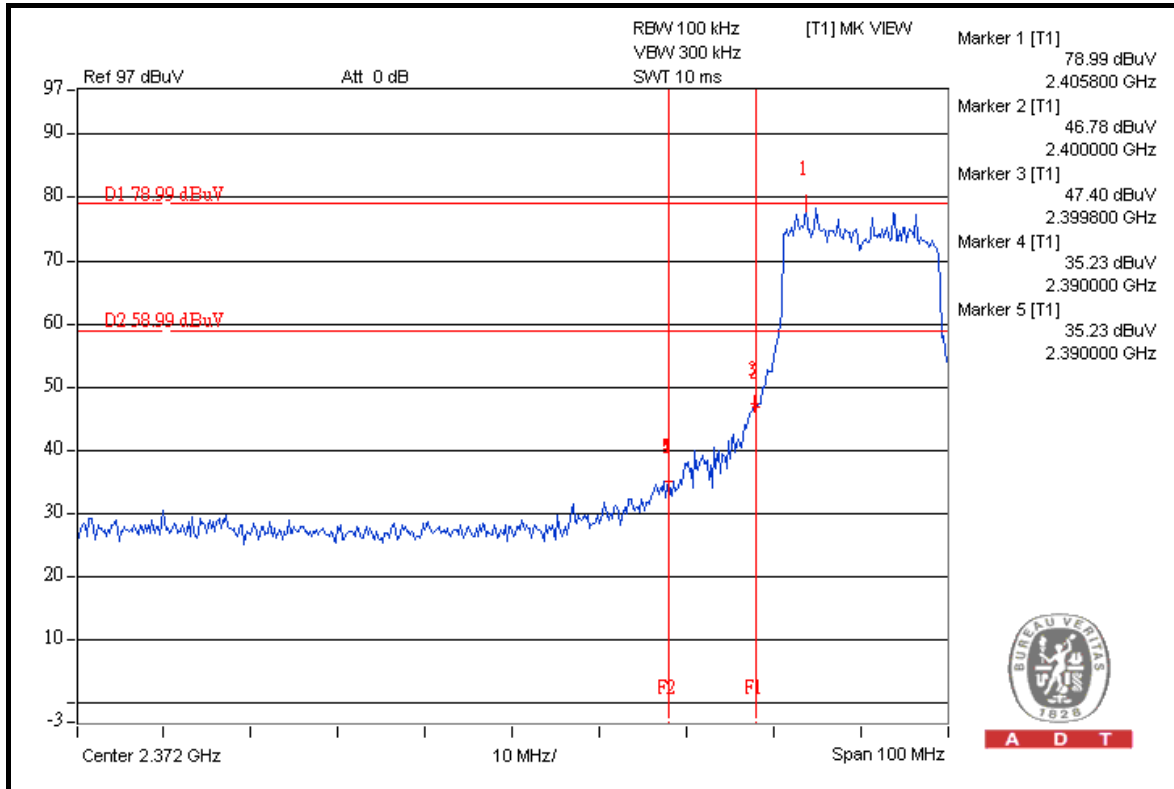
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.5	42.09	71.41	74.00
2462.00 (AV)	100.6	48.63	51.97	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

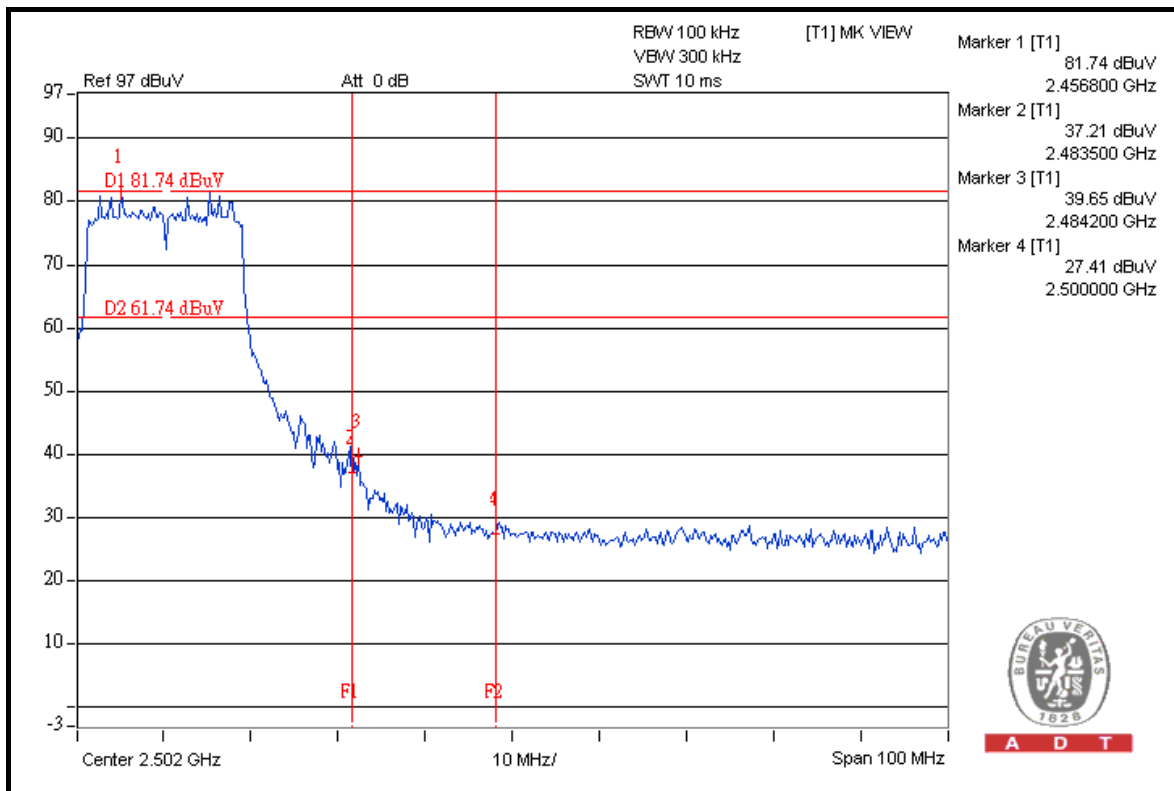
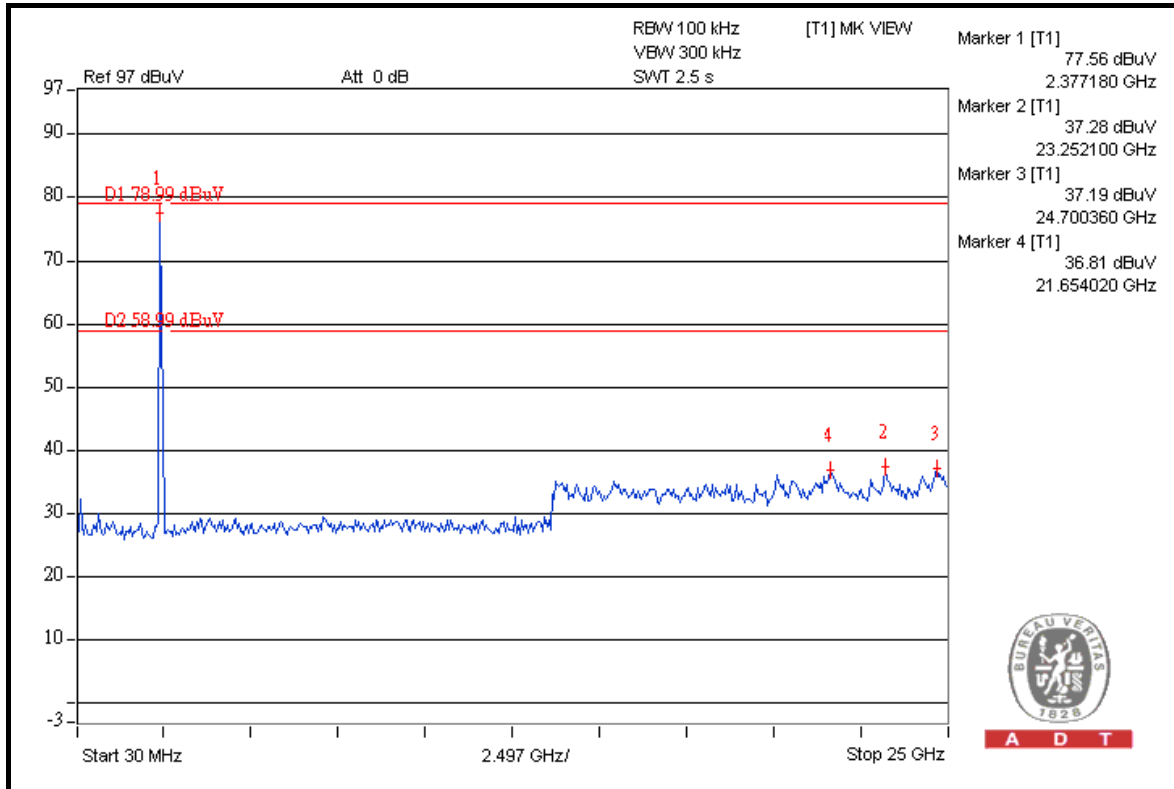


A D T



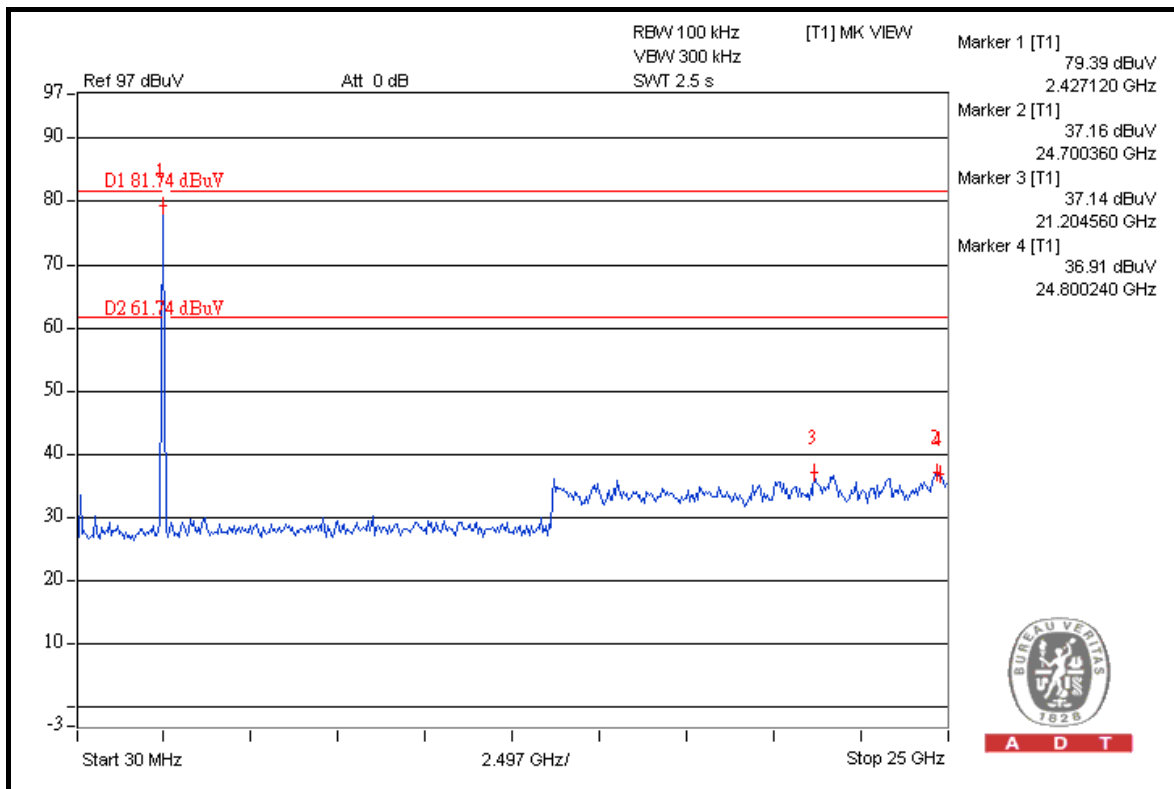
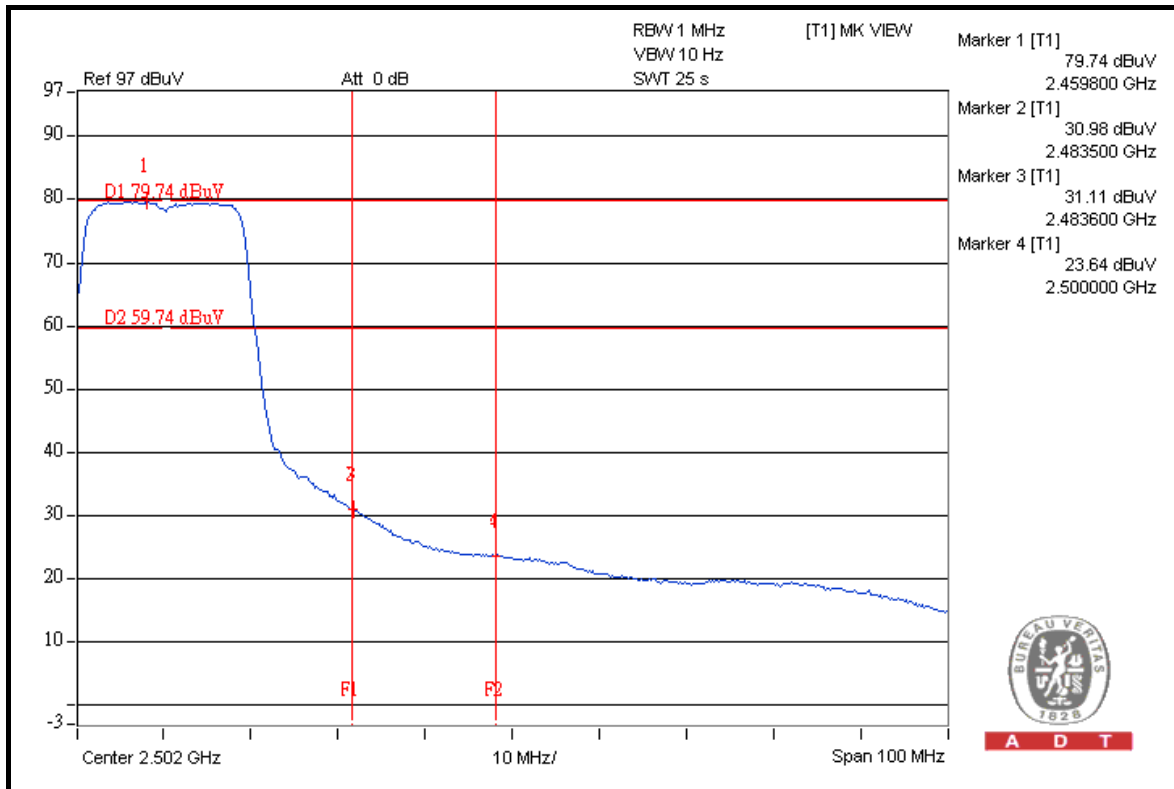


A D T





A D T





A D T

802.11n (40MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	108.2	38.47	69.73	74.00
2422.00 (AV)	95.3	43.83	51.47	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

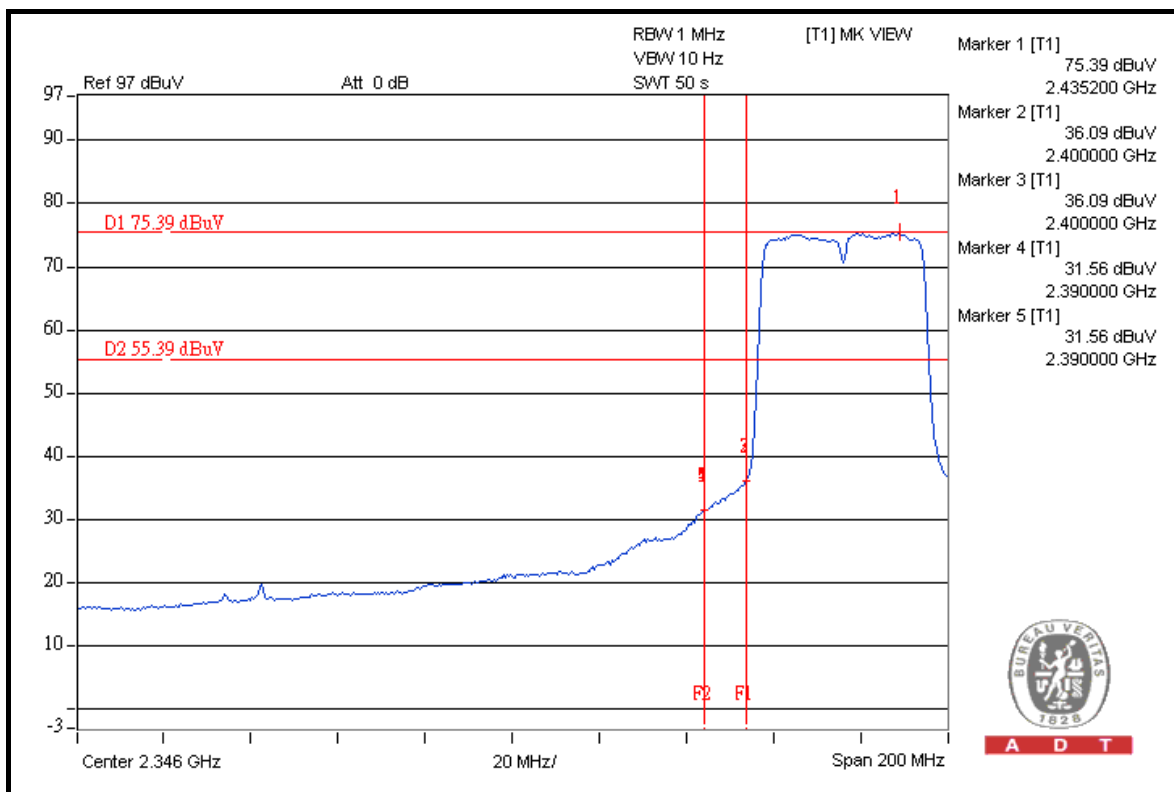
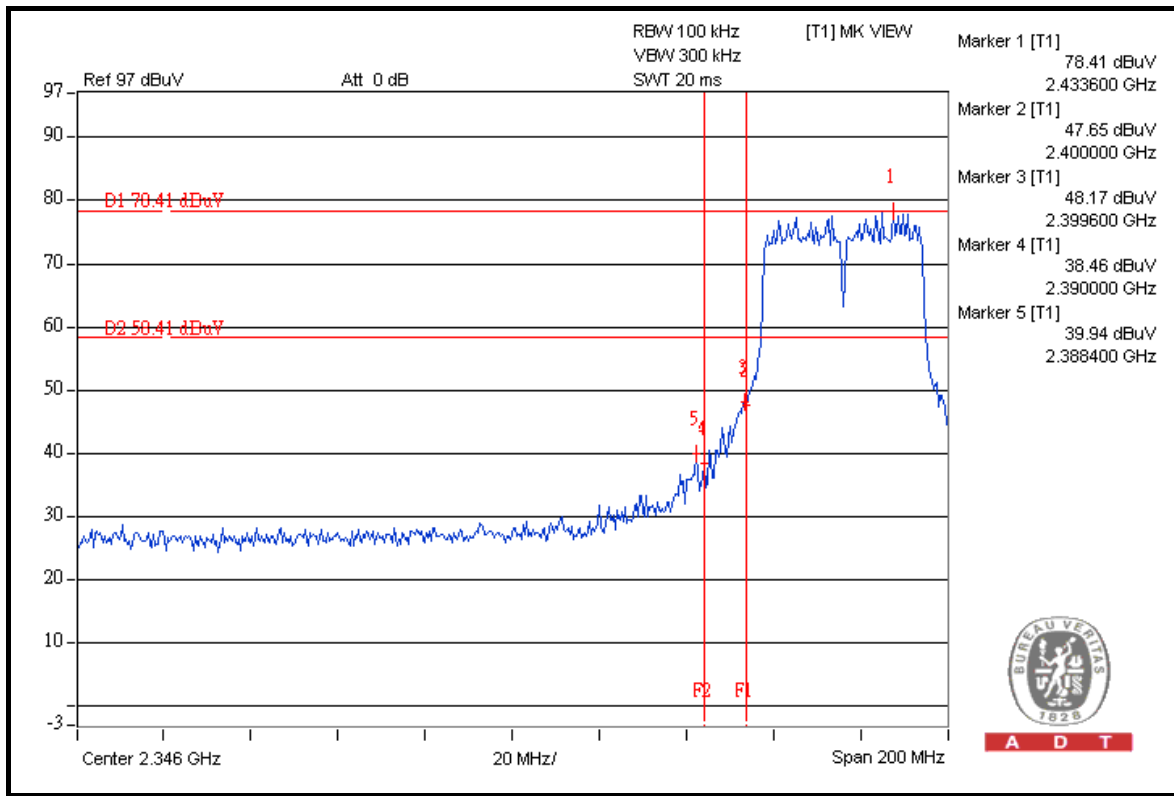
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	108.3	39.82	68.48	74.00
2452.00 (AV)	95.6	44.50	51.10	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

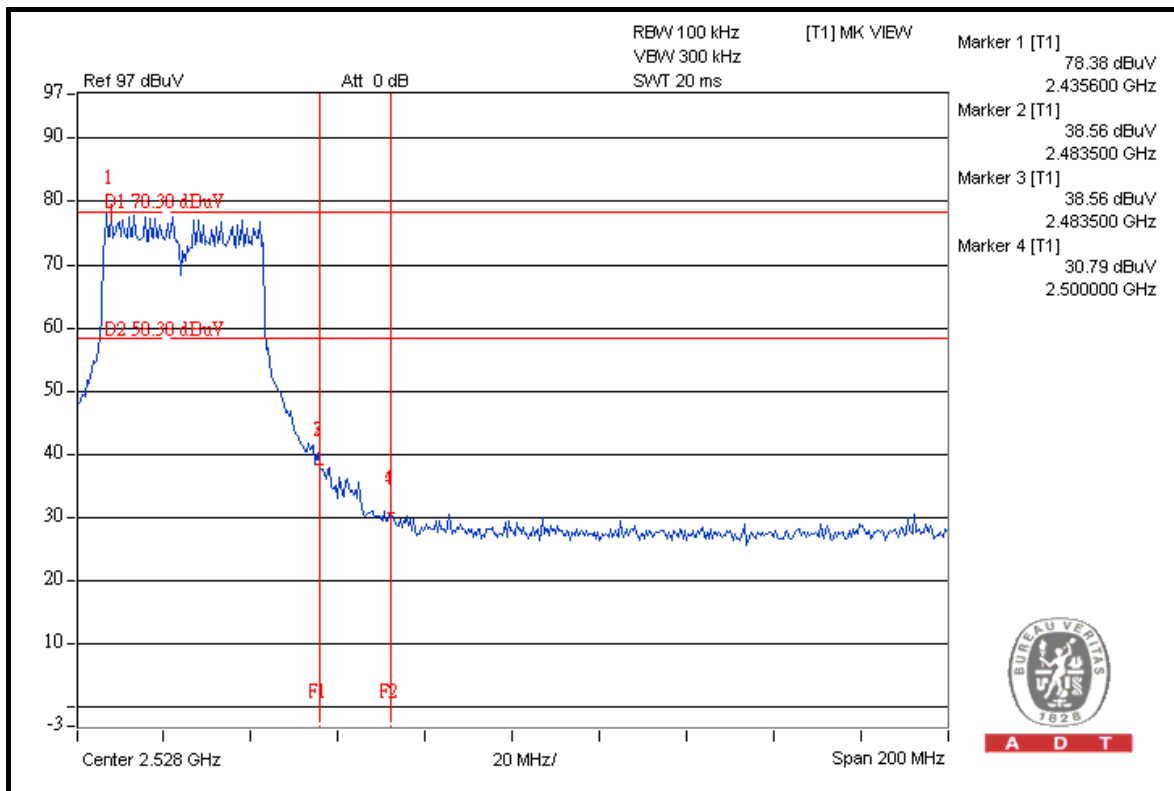
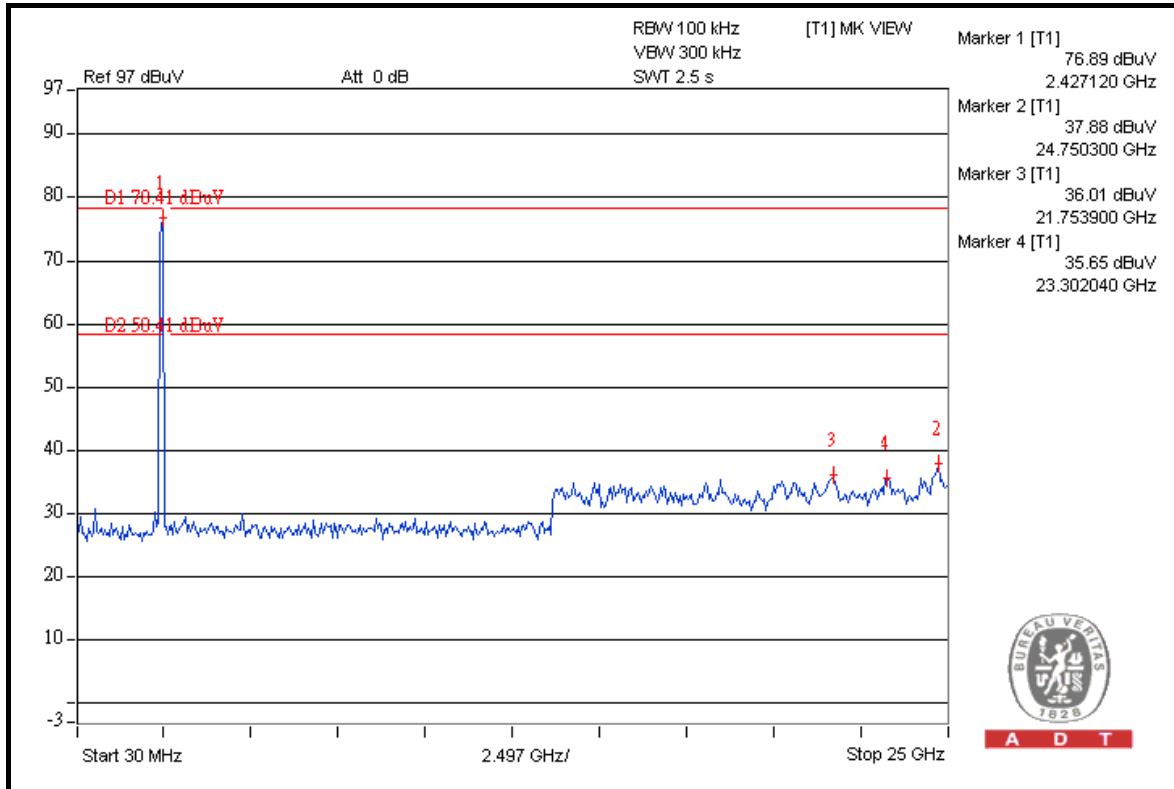


A D T



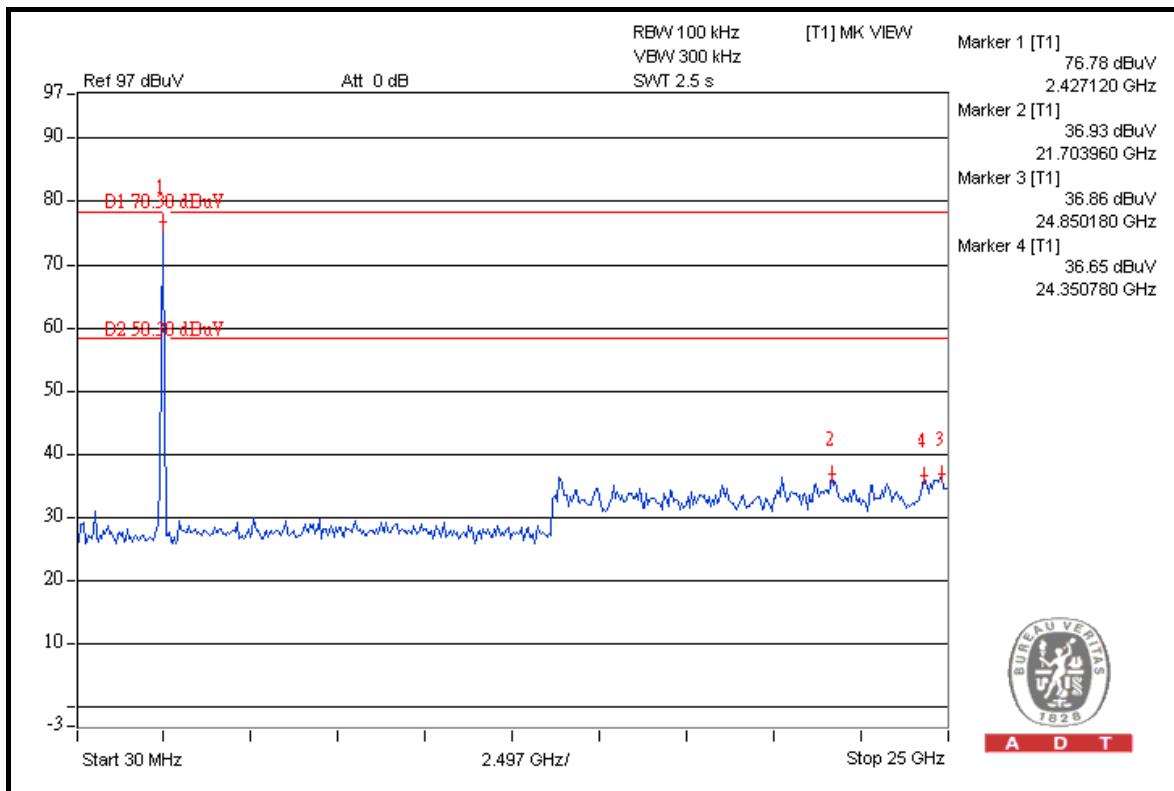
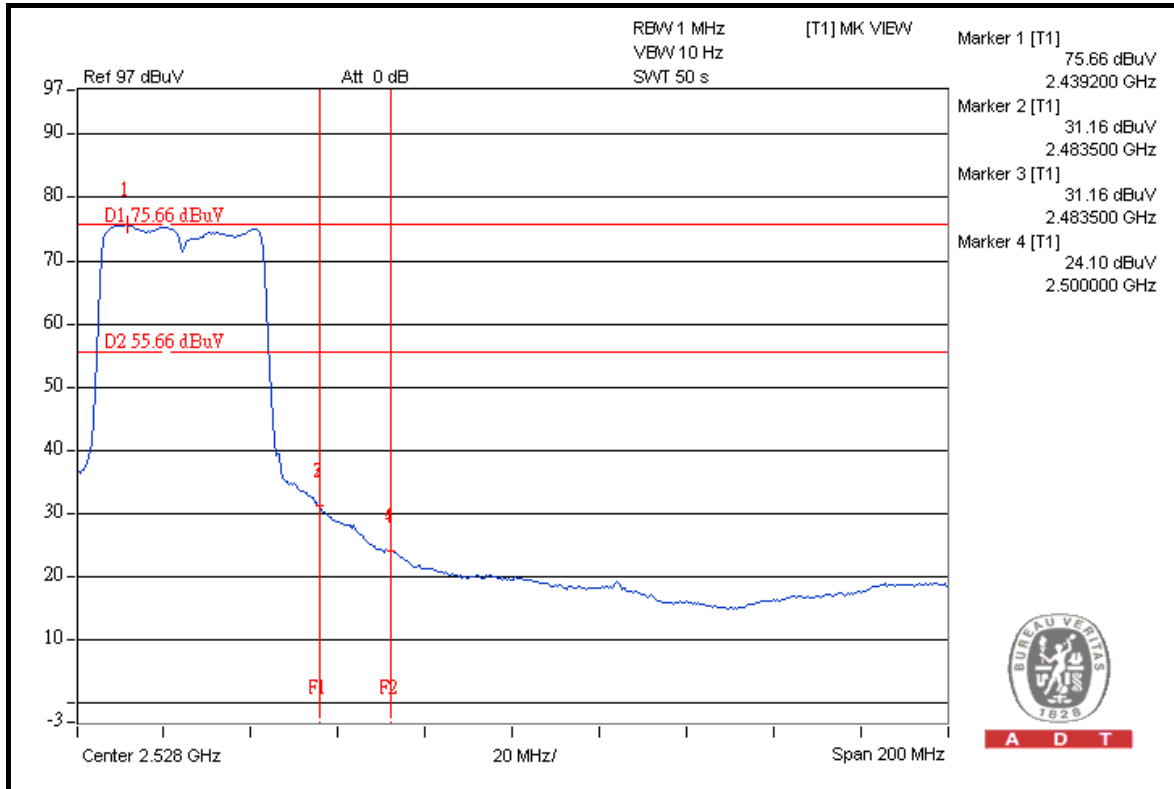


A D T





A D T





4.6.15 TEST RESULTS (TEST MODE E 2)

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	114.1	50.49	63.61	74.00
2412.00 (AV)	110.2	57.32	52.88	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

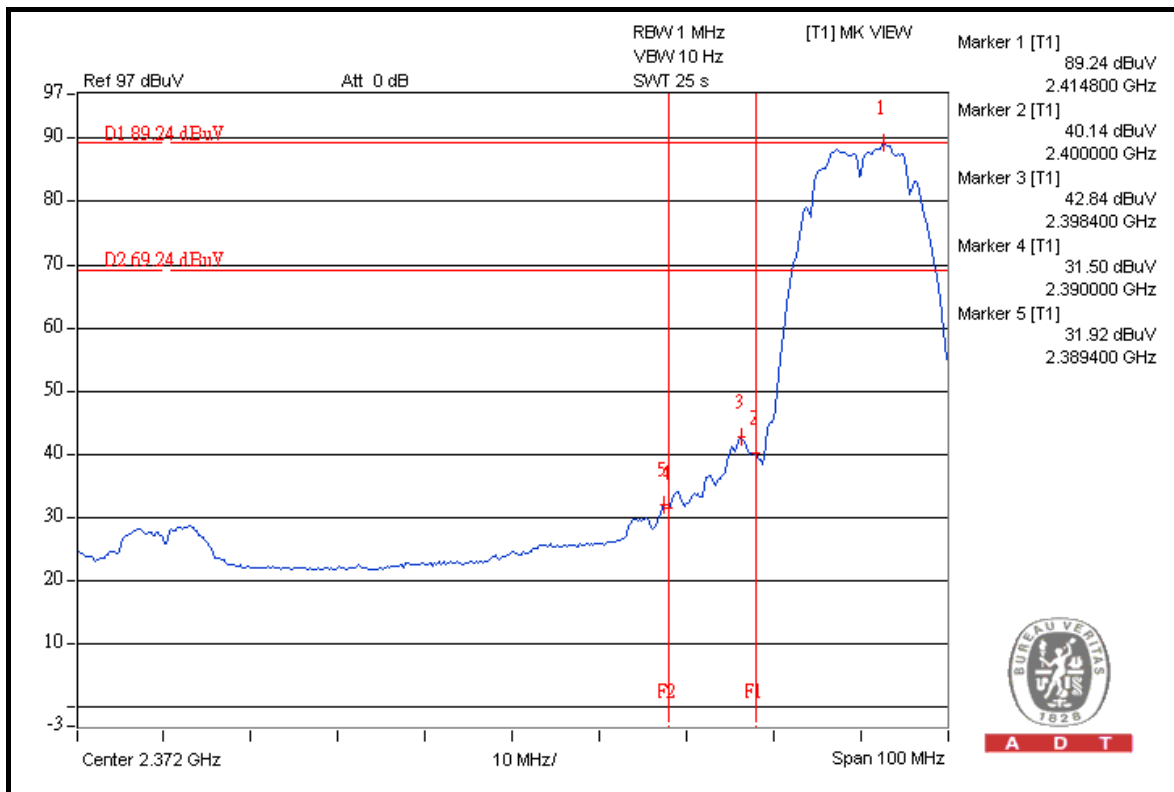
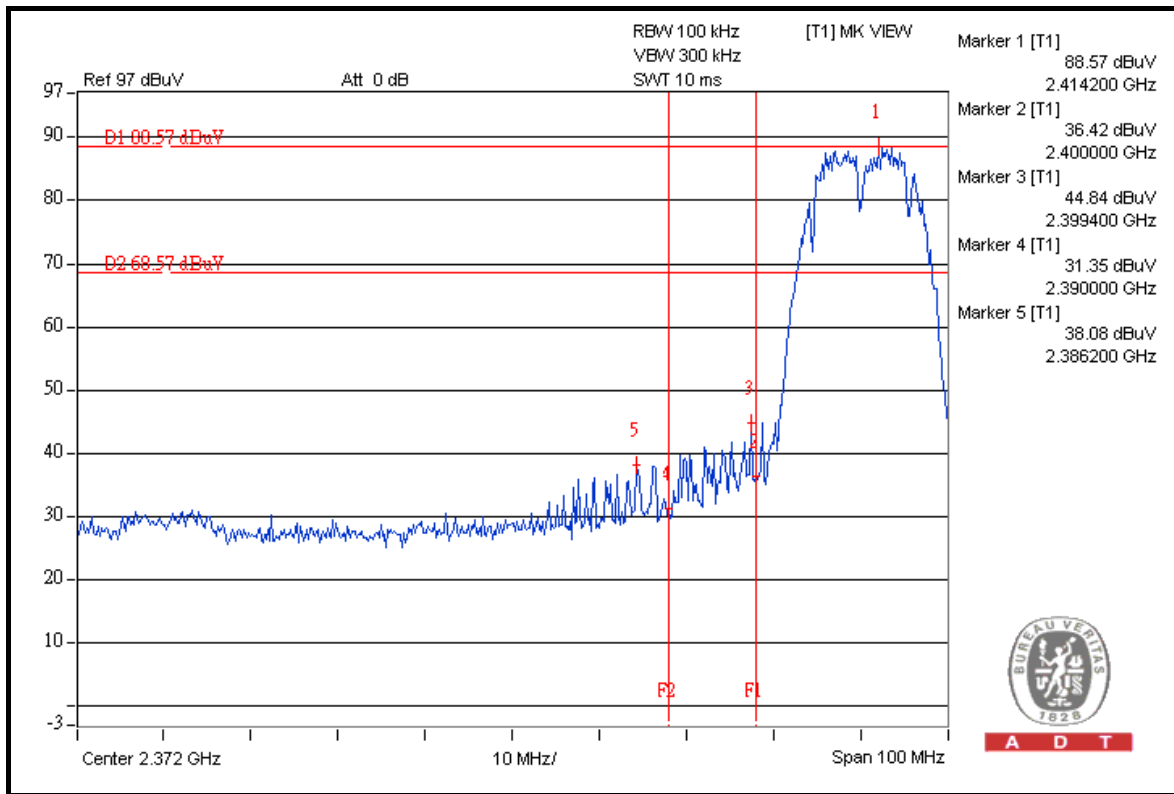
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	114.3	51.88	62.42	74.00
2462.00 (AV)	110.6	59.46	51.14	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

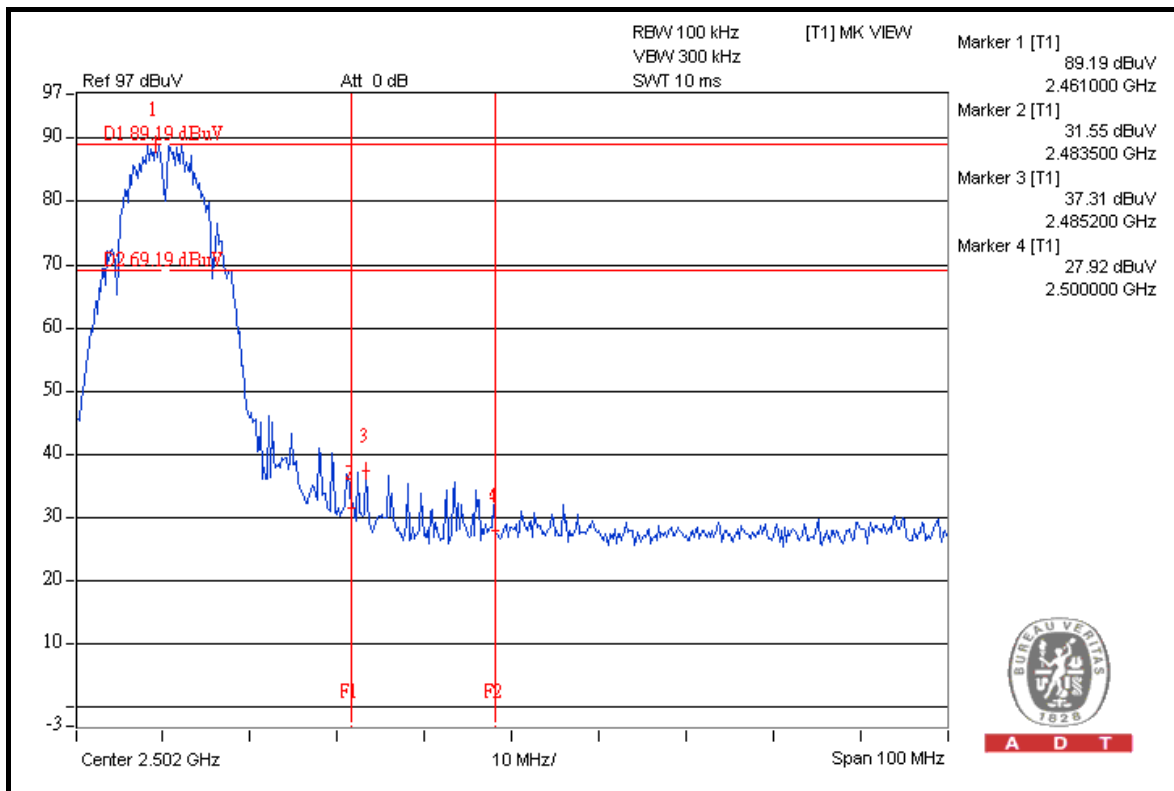
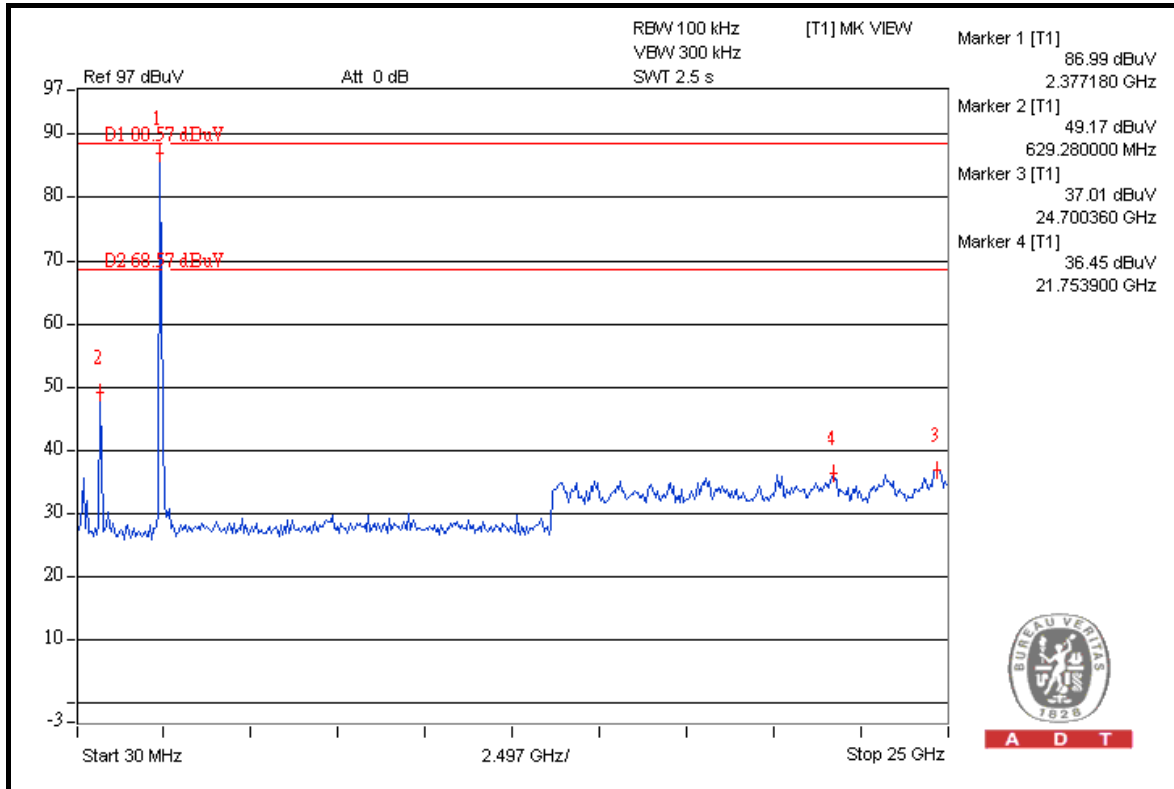


A D T



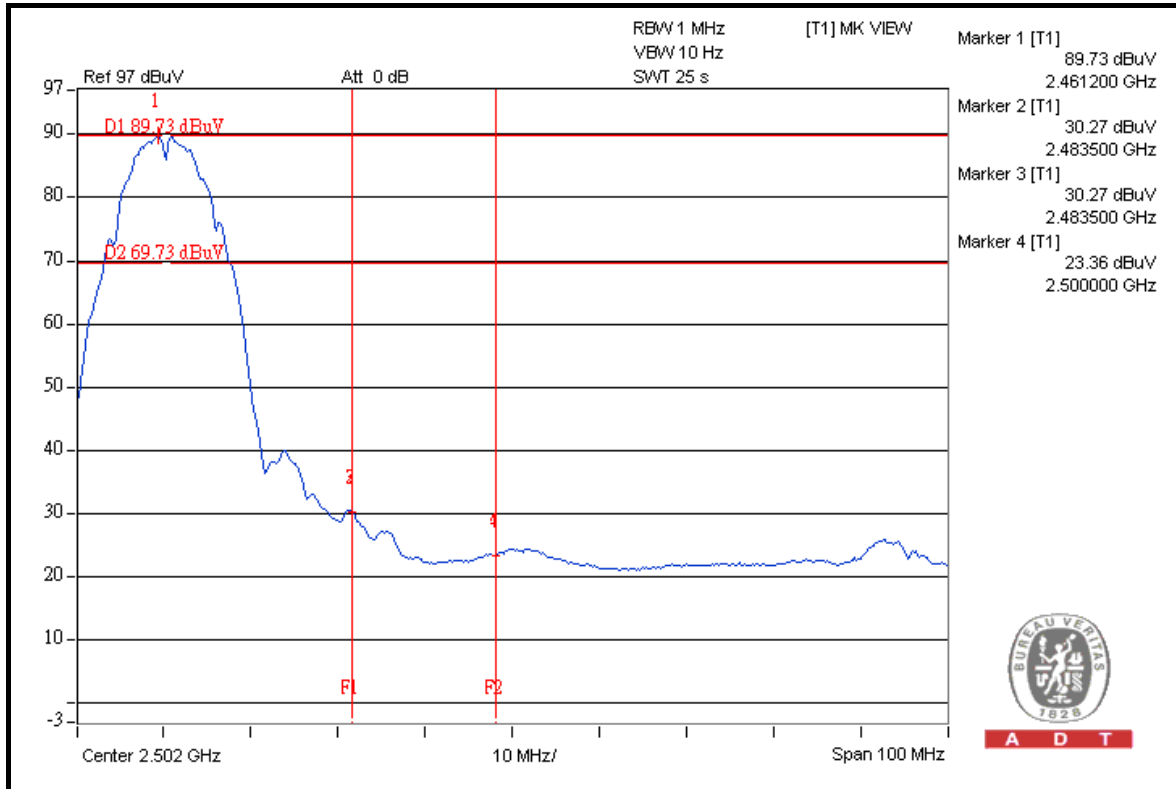


A D T

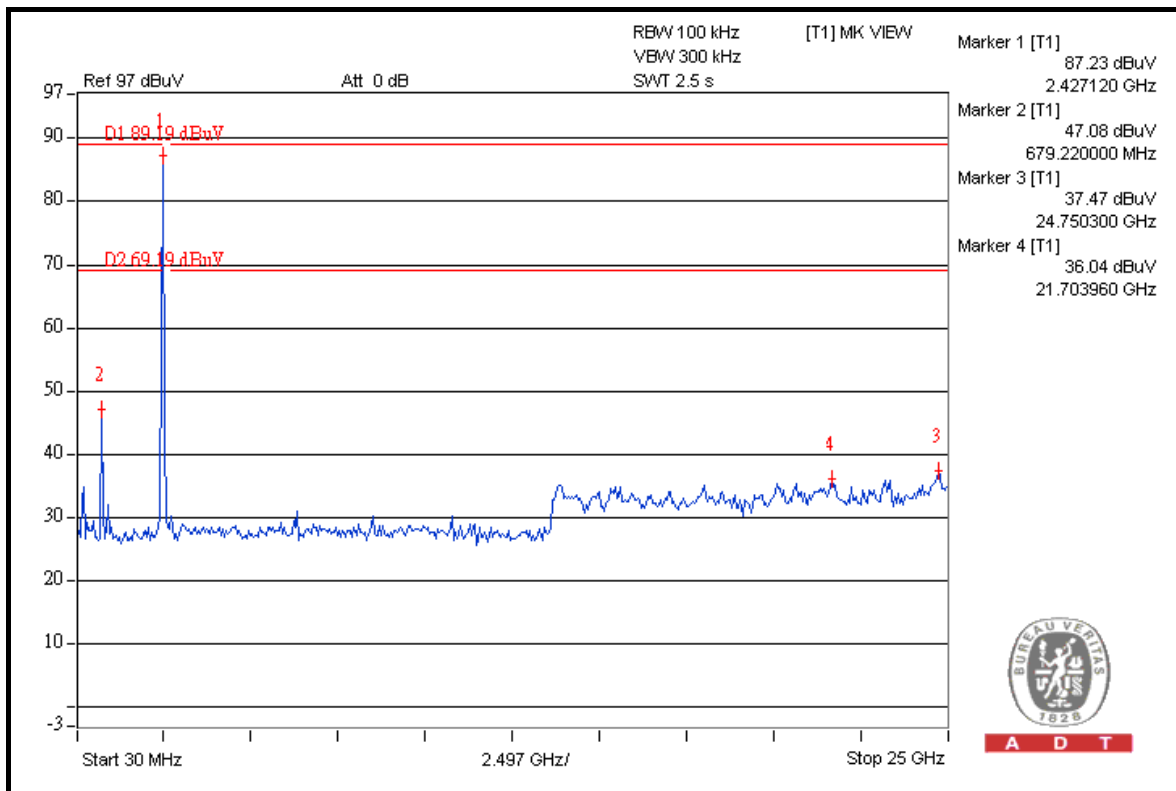




A D T



A D T



A D T



A D T

802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	111.2	41.56	69.64	74.00
2412.00 (AV)	98.8	46.38	52.42	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

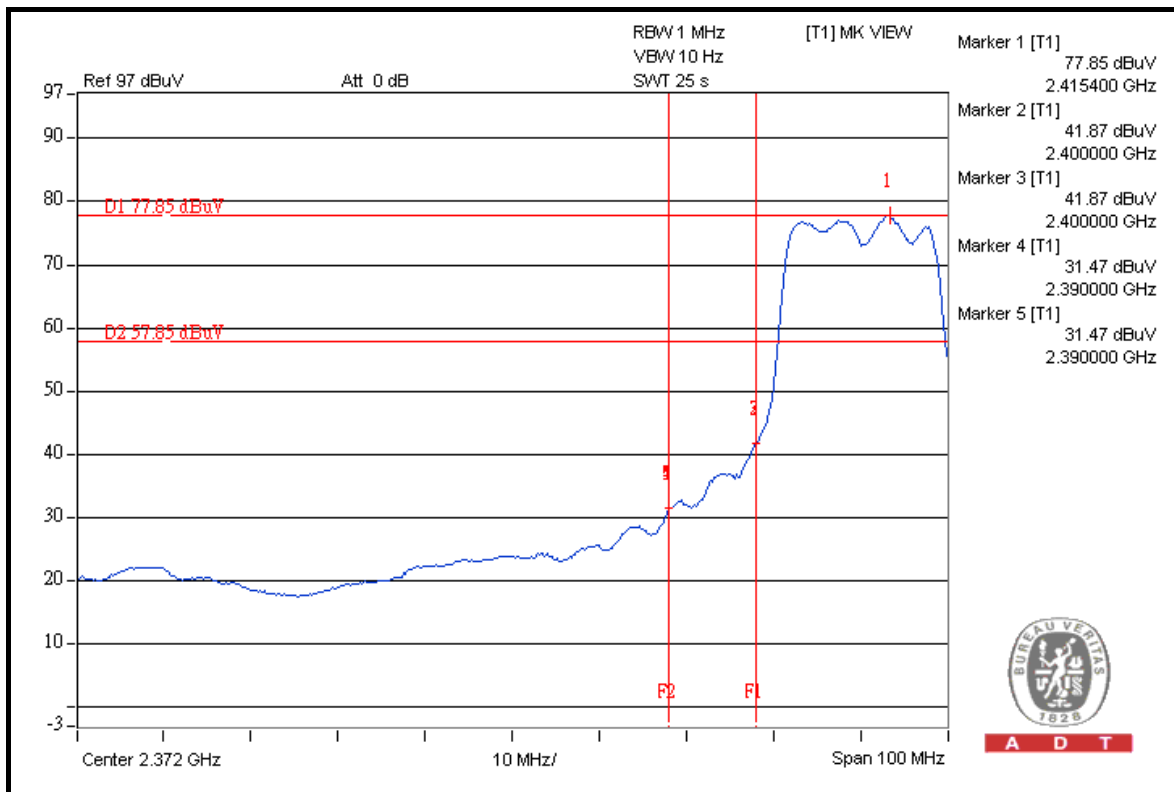
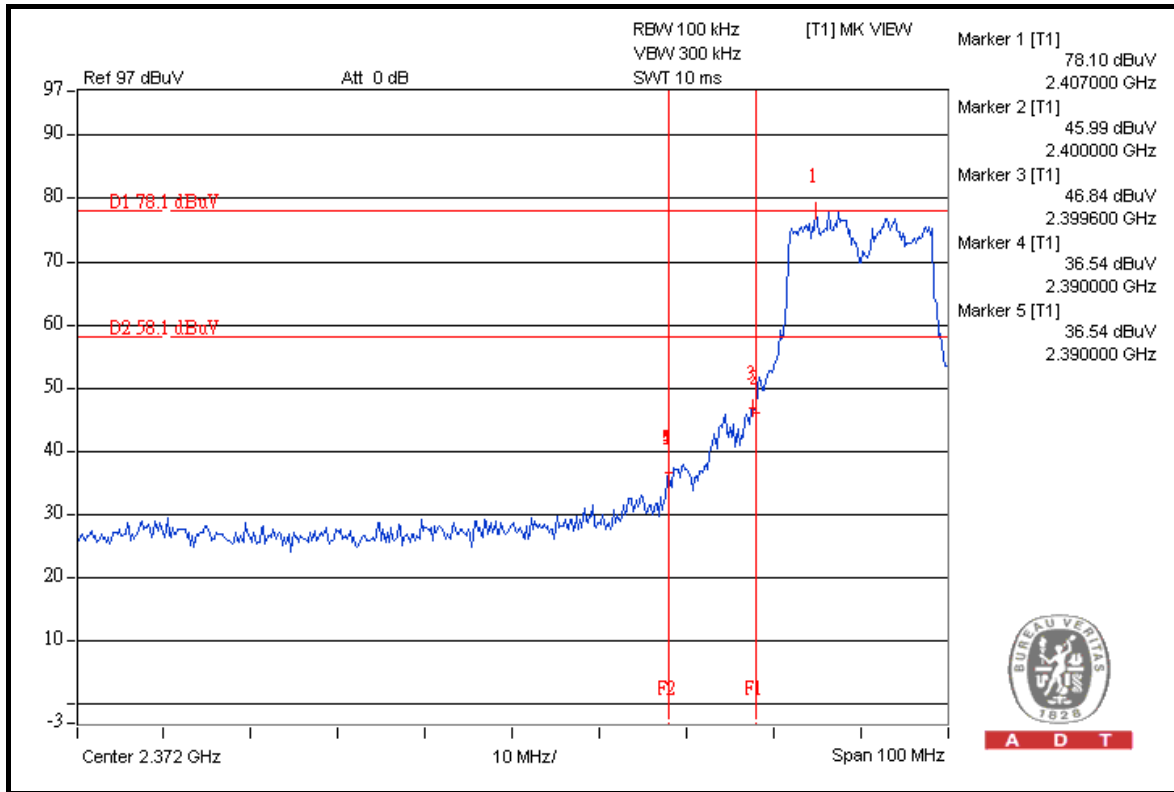
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	114.1	45.54	68.56	74.00
2462.00 (AV)	101.2	49.44	51.76	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

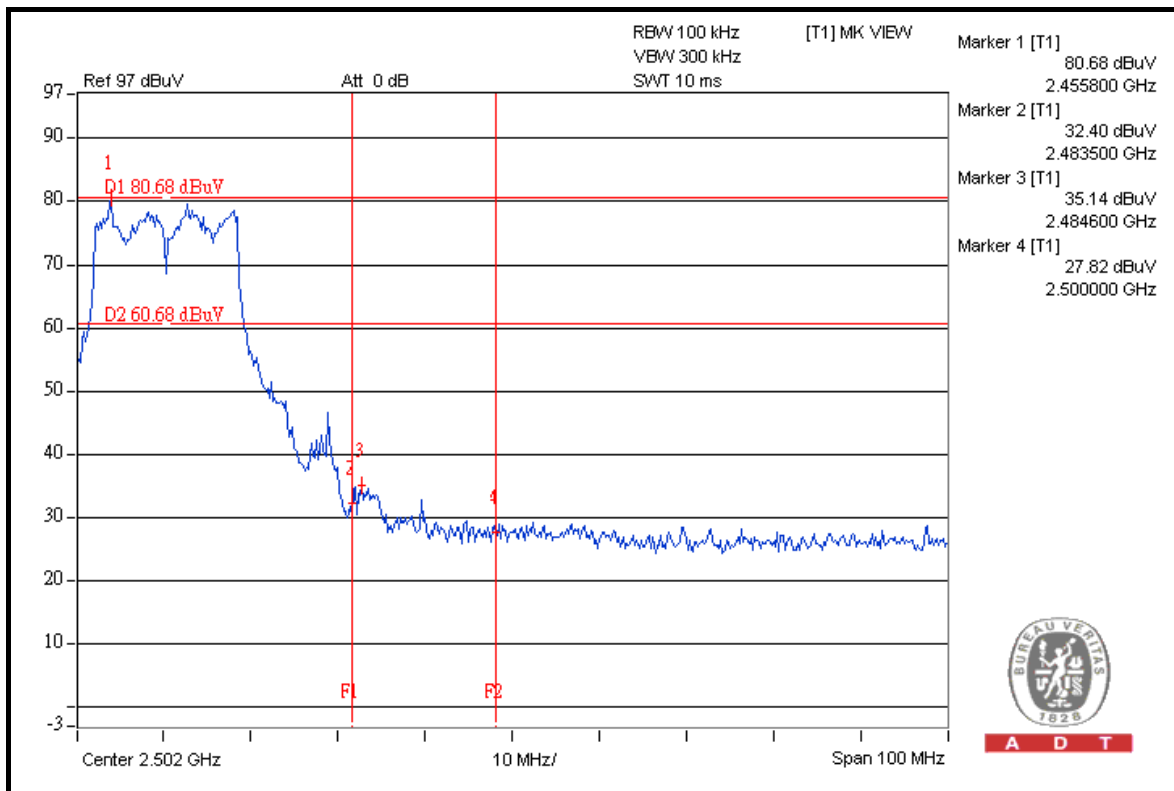
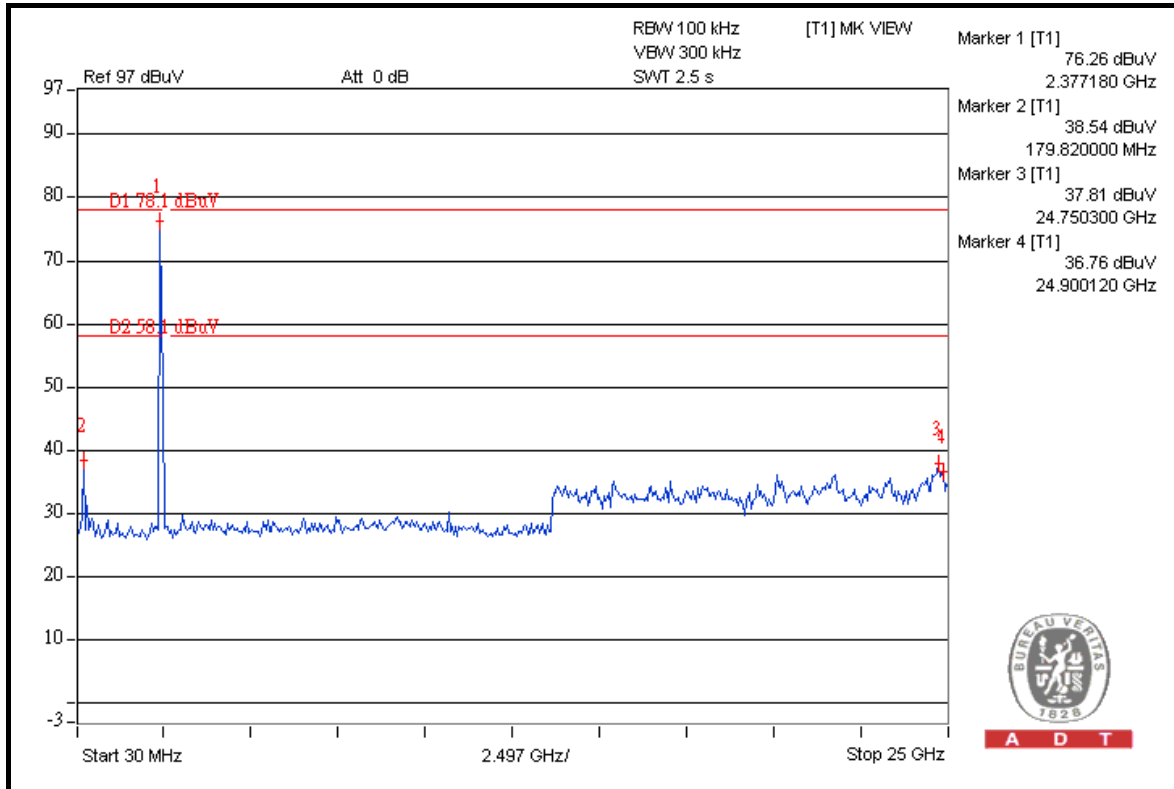


A D T



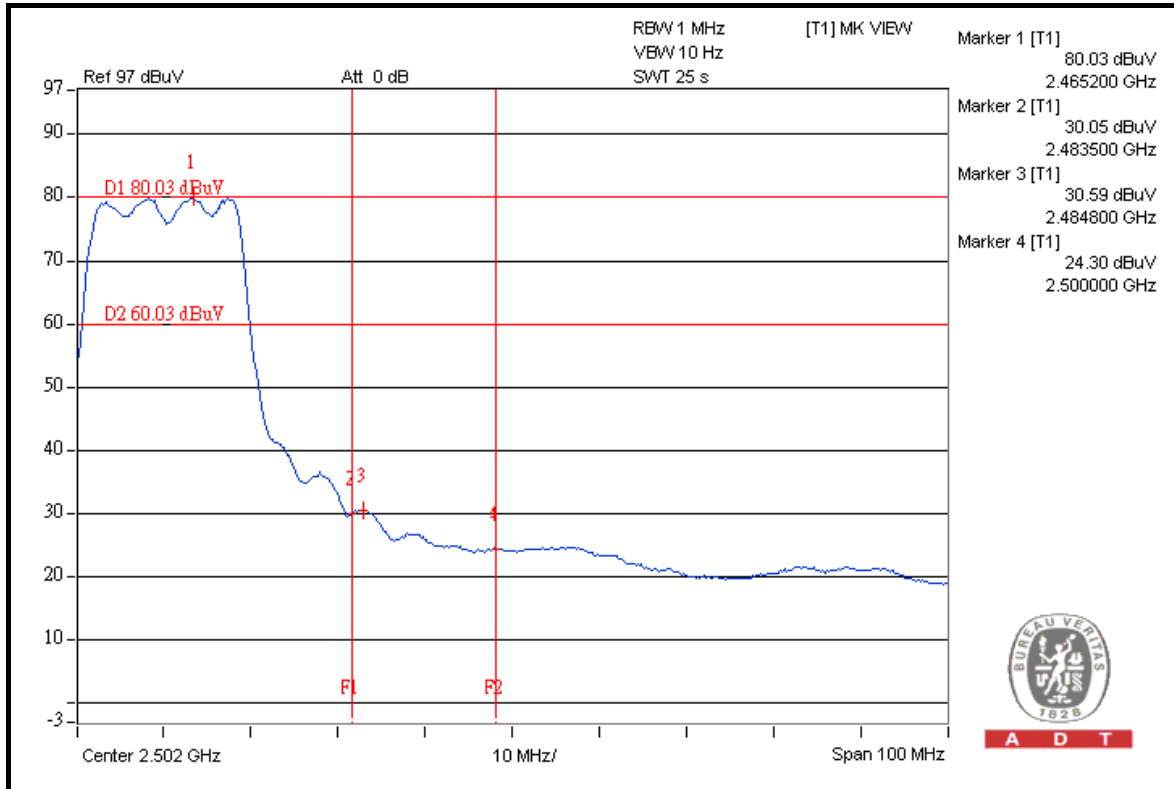


A D T

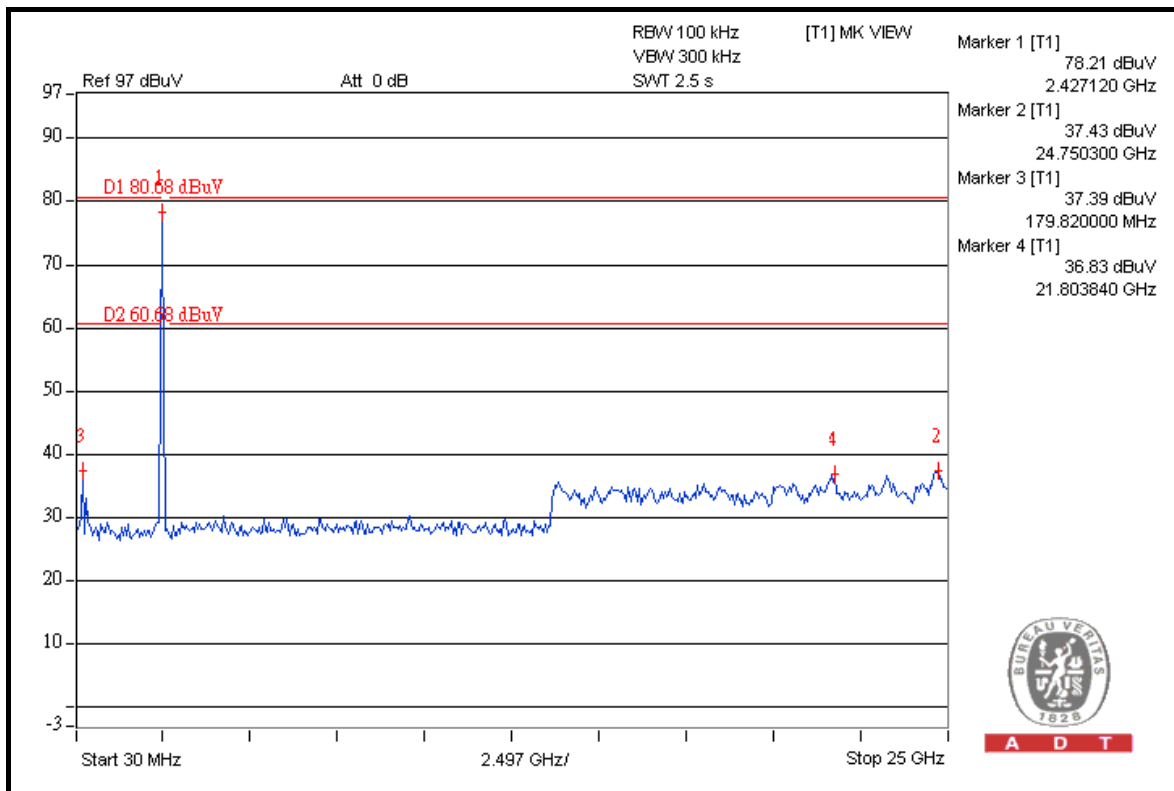




A D T



A D T



A D T



A D T

802.11n (20MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	110.8	48.00	62.80	74.00
2412.00 (AV)	98.5	47.68	50.82	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

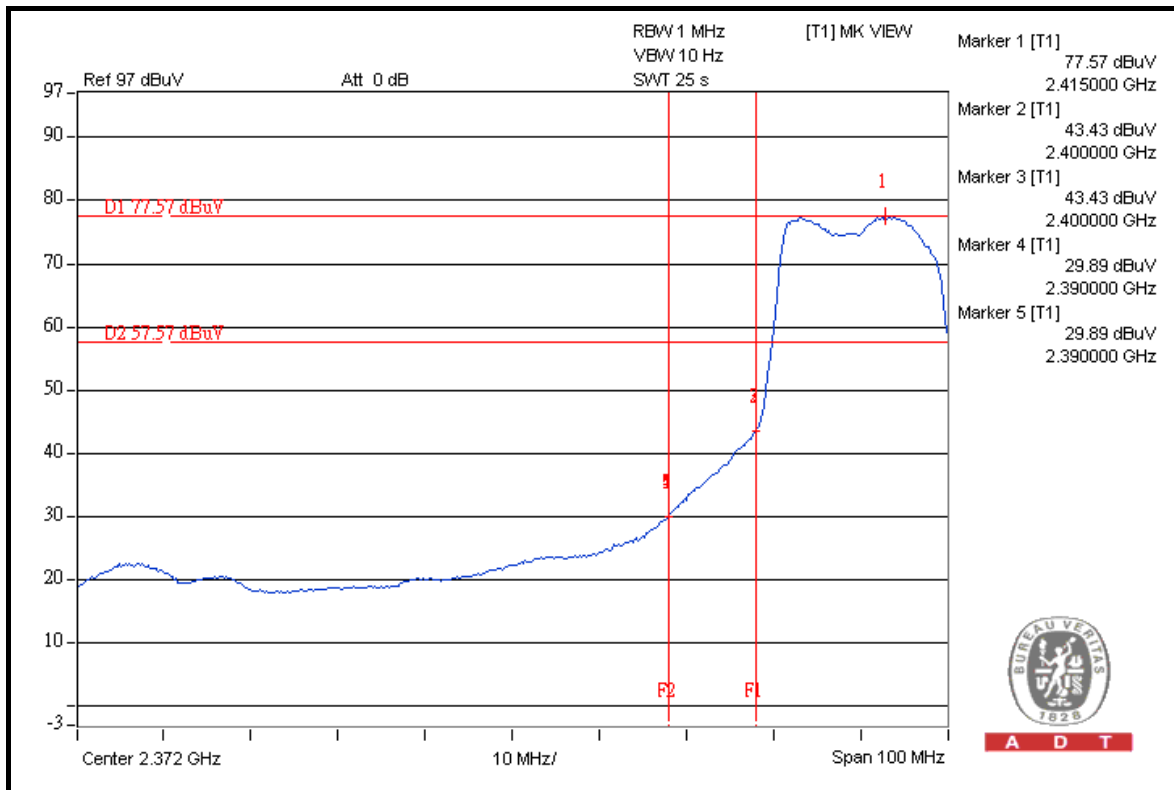
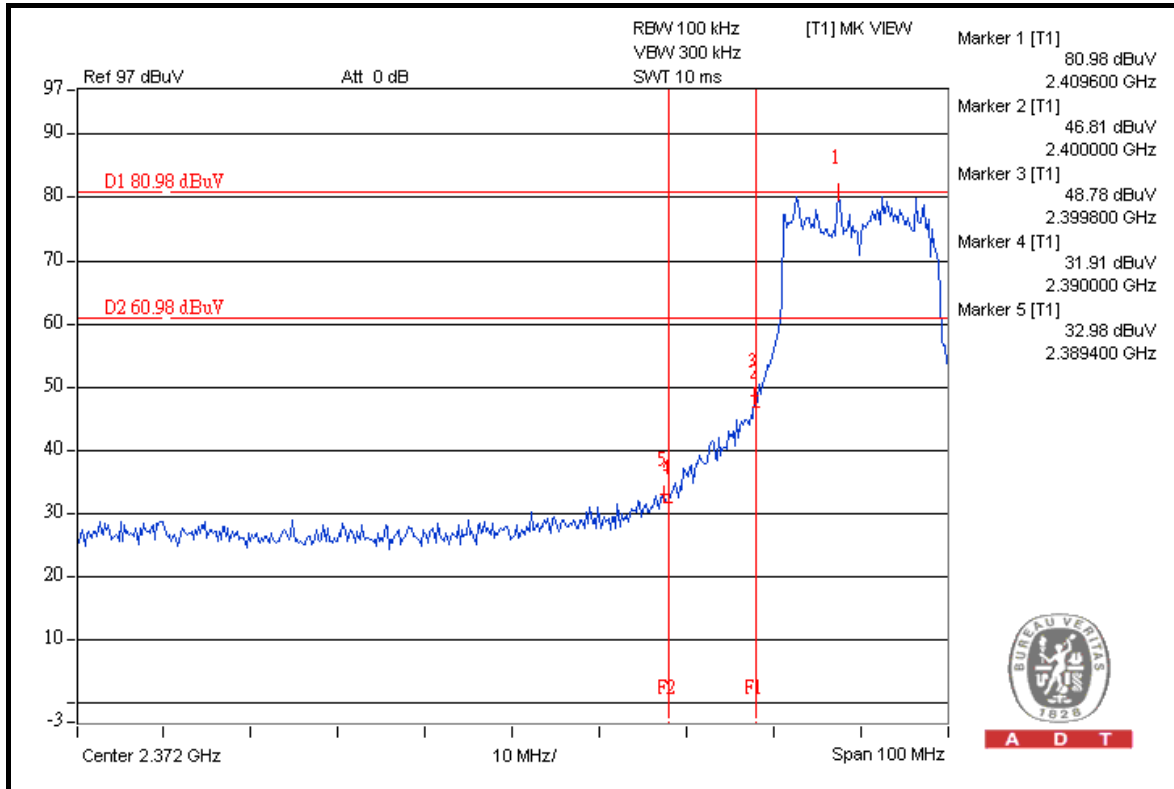
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	113.9	45.92	67.98	74.00
2462.00 (AV)	100.9	49.5	51.40	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

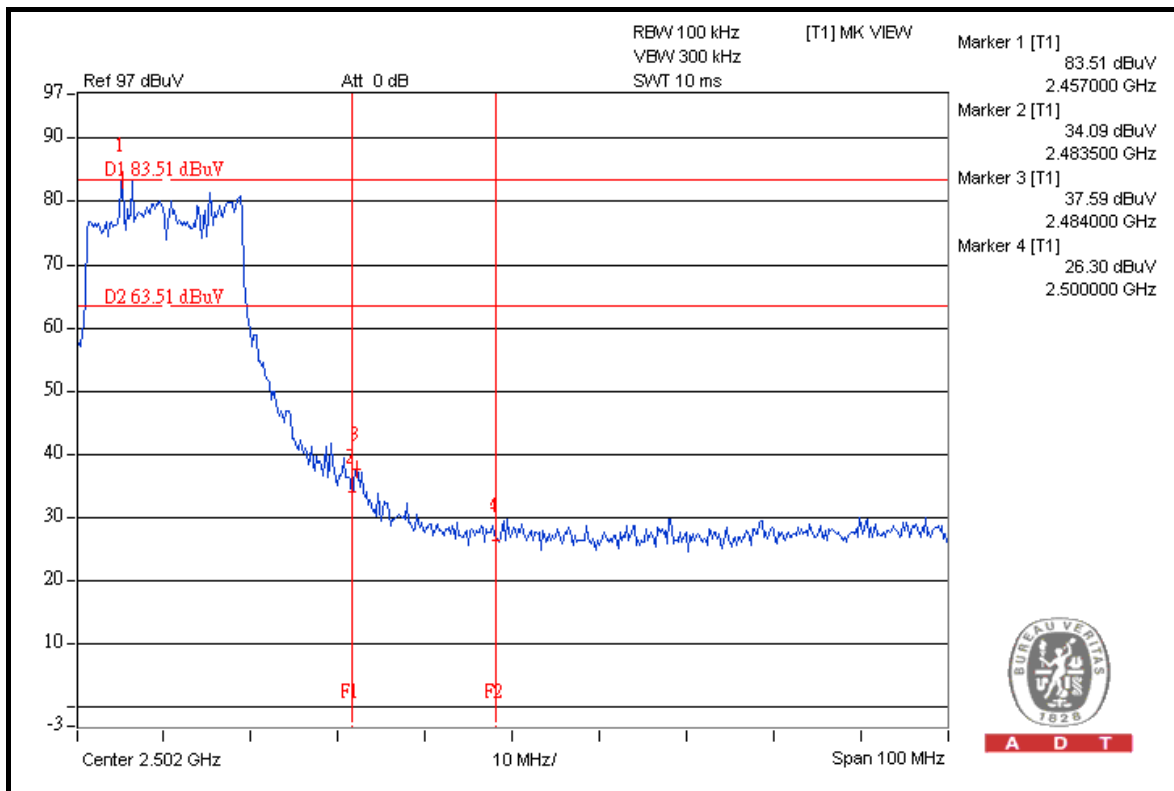
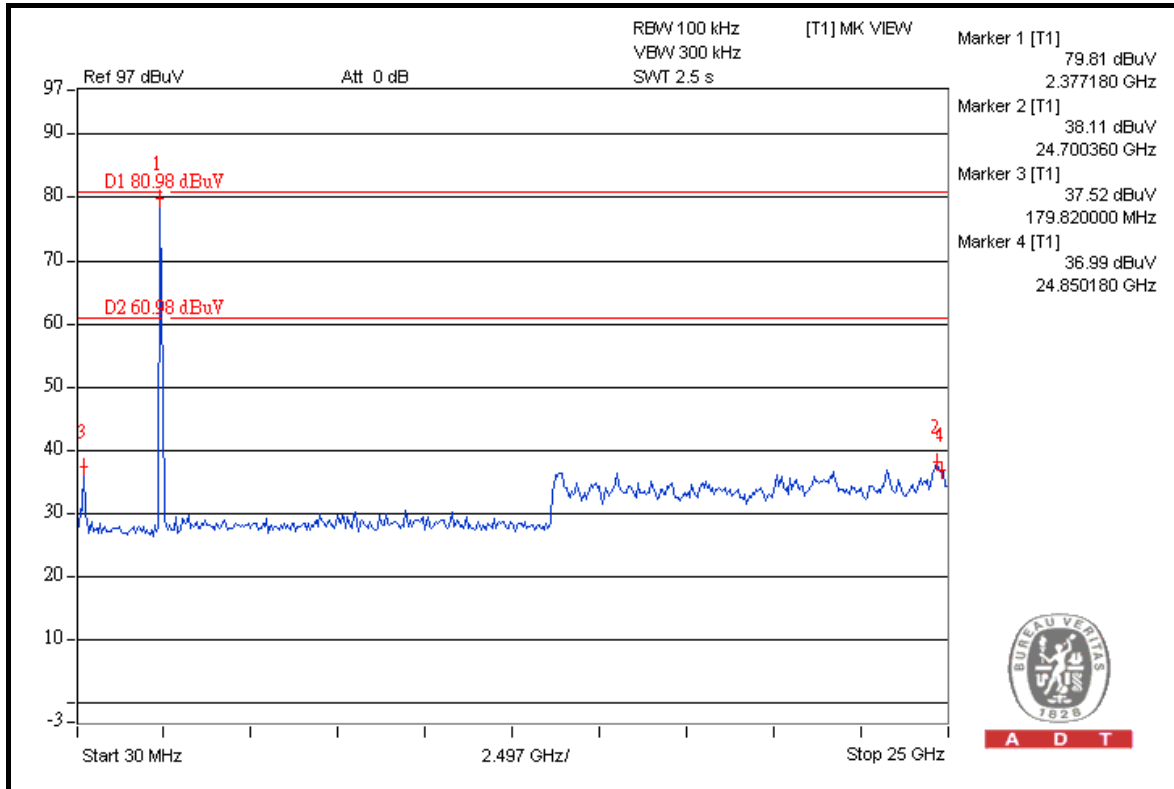


A D T



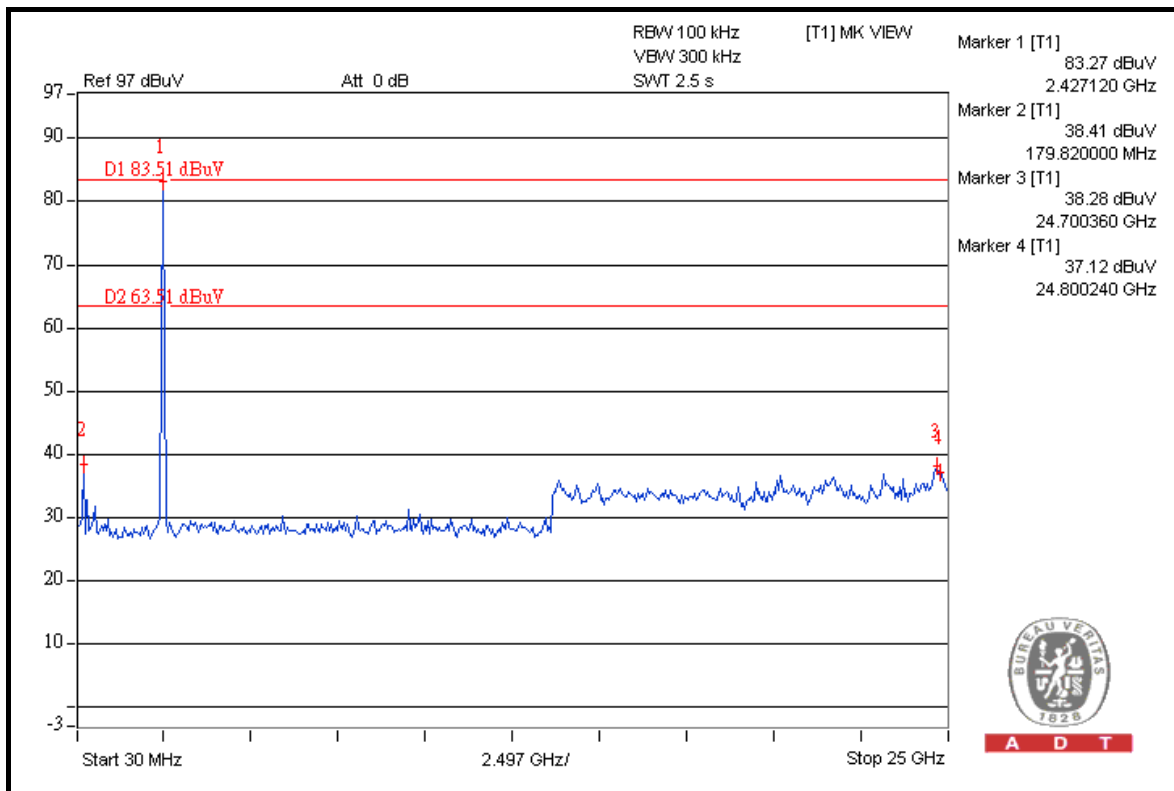
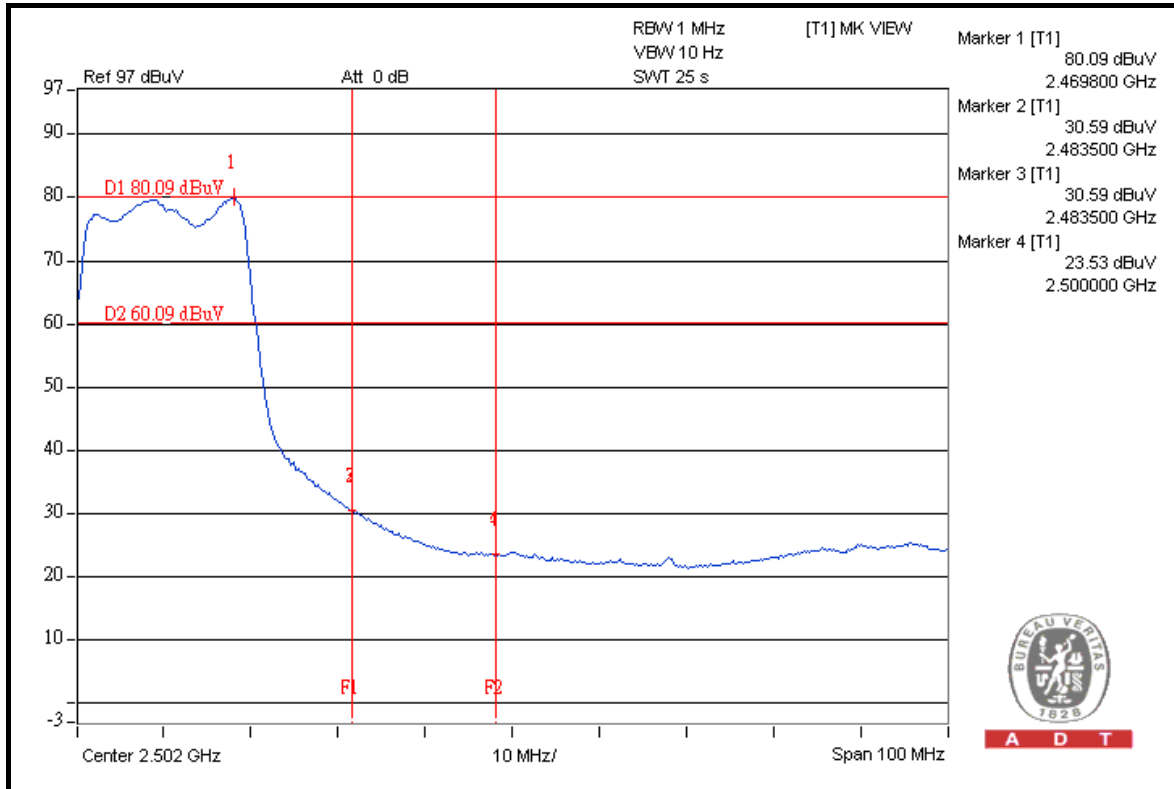


A D T





A D T





A D T

802.11n (40MHz)

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	109.4	43.84	65.56	74.00
2422.00 (AV)	96.5	43.56	52.94	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

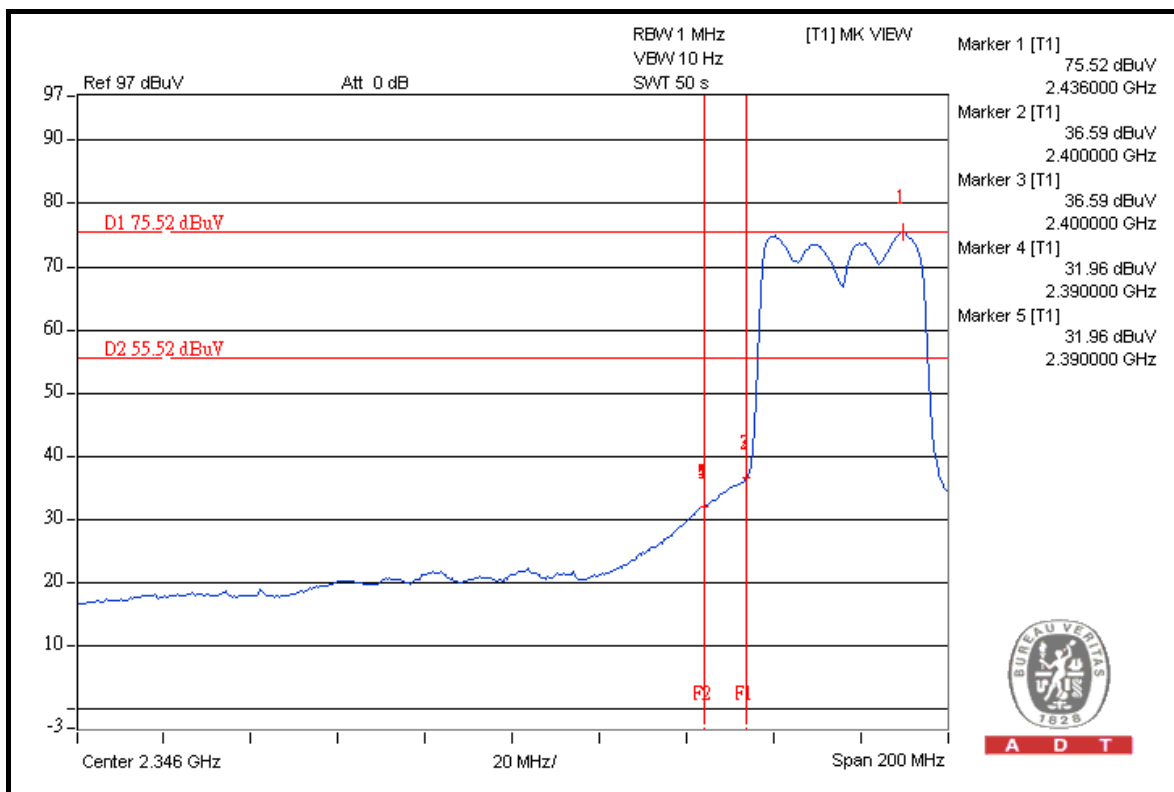
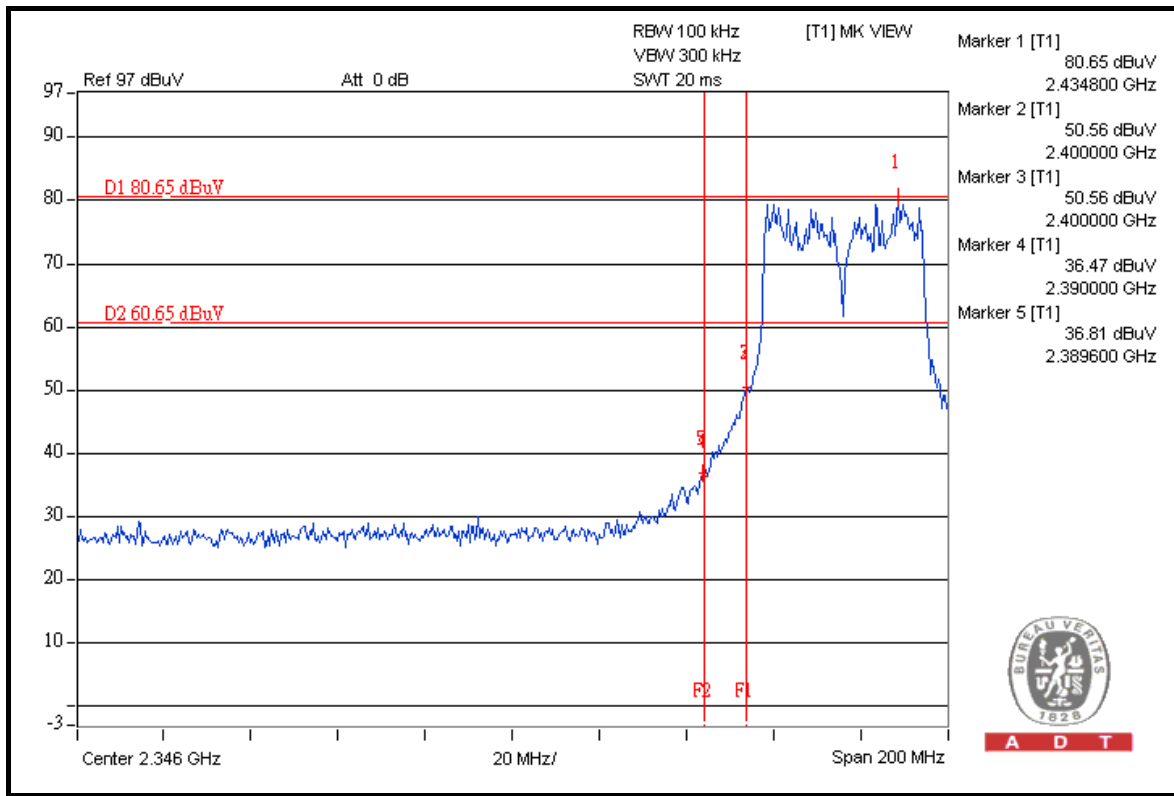
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	108.5	43.45	65.05	74.00
2452.00 (AV)	95.7	44.56	51.14	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

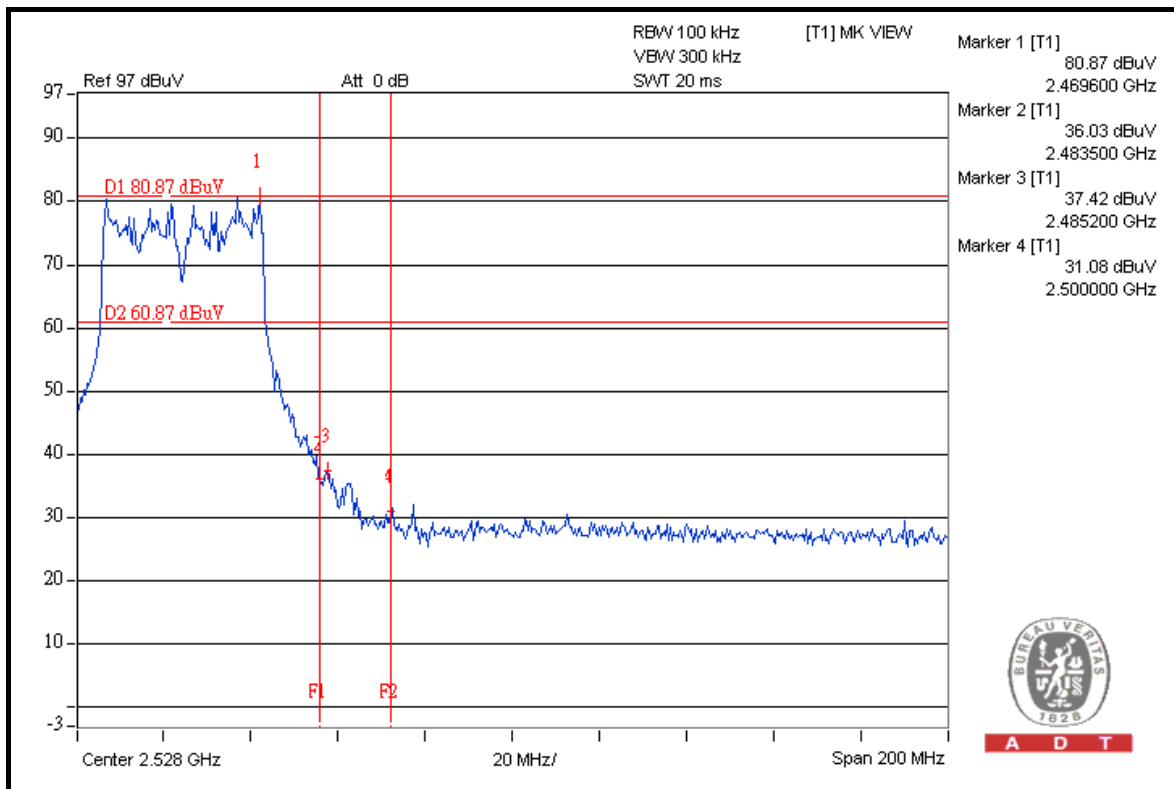
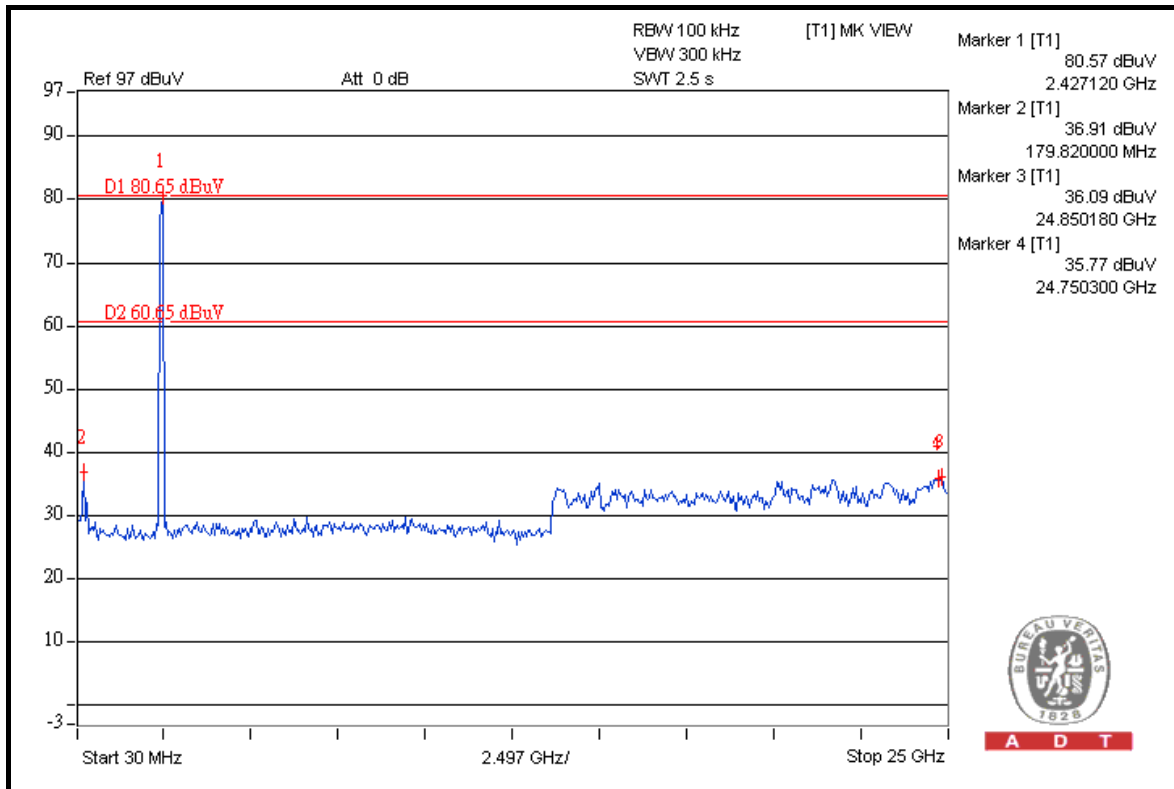


A D T





A D T





A D T

