

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

Device	Model No.	Serial No.	Last Cal.	Next Cal
HP EMI Receiver	HP8546A	3325A00120	03/05/05	03/05/06

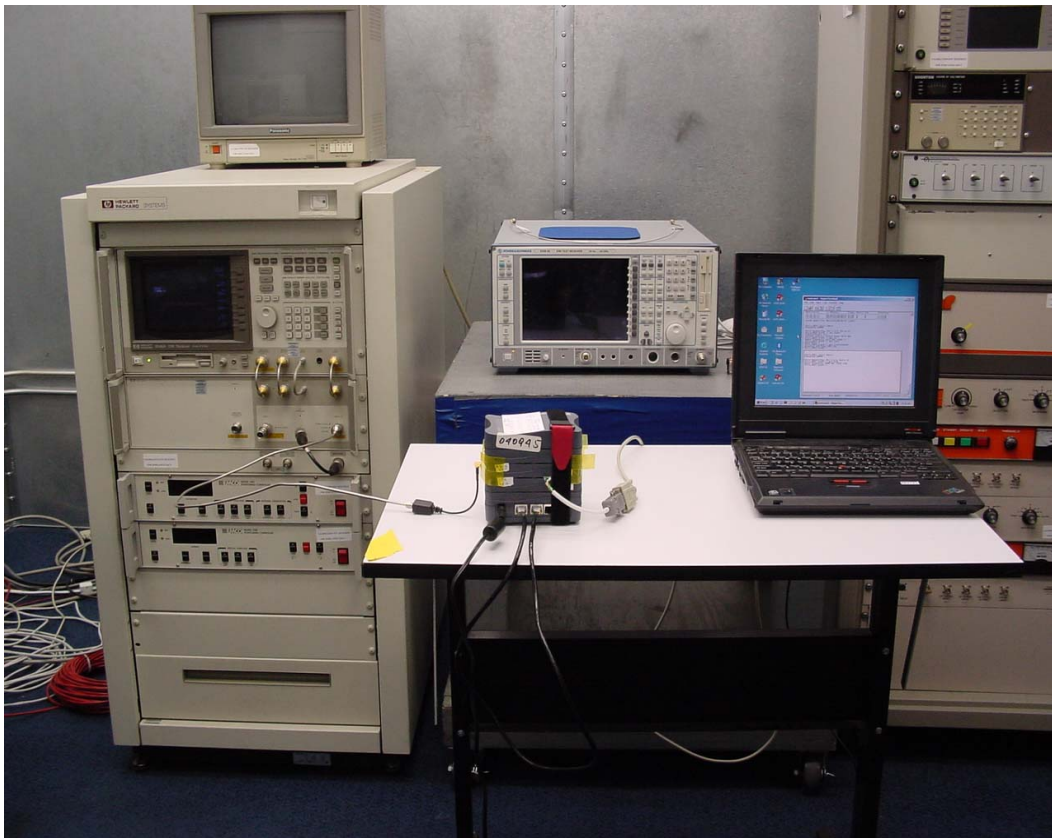
4.3.3 TEST PROCEDURE

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 100kHz 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 highest channel frequency individually.

4.3.7 TEST RESULTS (A)

EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	27deg. C, 40%RH
TESTED BY: Sandra Sohn			

Channel 11

Data Rate (Mbps)	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2462	12.5	0.5	PASS
2	2462	12.35	0.5	PASS
5.5	2462	12.3	0.5	PASS
11	2462	11.25	0.5	PASS
6	2462	16.4	0.5	PASS
24	2462	16.5	0.5	PASS
54	2462	16.5	0.5	PASS

4.4 MAXIMUM PEAK OUTPUT POWER

4.4.1 LIMITS OF MAXIMUM PEAK OUTPUT POWER MEASUREMENT

The Maximum Peak Output Power Measurement is 30dBm.

4.4.2 INSTRUMENTS

Device	Model No.	Serial No.	Last Cal.	Next Cal
HP EMI Receiver	HP8546A	3325A00120	03/05/05	03/05/06

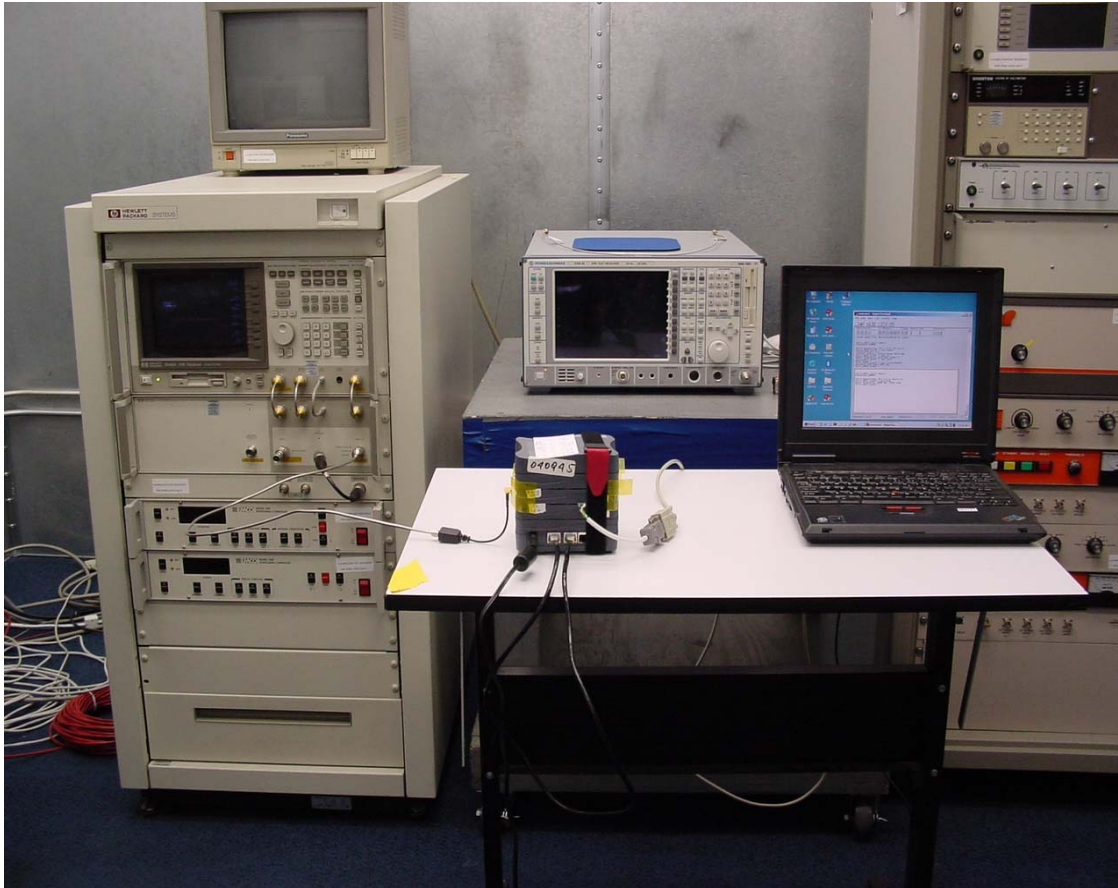
4.4.3 TEST PROCEDURES

The transmitter output was connected to the spectrum analyzer through an attenuator. The maximum power level of the fundamental frequency was measured by spectrum analyzer with 3MHz RBW and 3MHz VBW.

4.4.4 DEVIATION FROM TEST STANDARD

No deviation

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually. The highest channel is seen as highest and repeat with the different data rates.

4.4.7 TEST RESULTS (A)

EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	27deg. C, 40%RH
TESTED BY: Sandra Sohn			

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	18.9	30	PASS
6	2437	18.7	30	PASS
11	2462	20.4	30	PASS

4.4.8 TEST RESULTS (B)

EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	27deg. C, 40%RH
TESTED BY: Sandra Sohn			

Channel 11

Data Rate (Mbps)	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2462	20.4	30	PASS
2	2462	20.4	30	PASS
5.5	2462	20.4	30	PASS
11	2462	20.4	30	PASS
6	2462	16.6	30	PASS
9	2462	16.6	30	PASS
12	2462	16.6	30	PASS
18	2462	16.6	30	PASS
24	2462	16.6	30	PASS
36	2462	16.6	30	PASS
48	2462	16.6	30	PASS
54	2462	16.6	30	PASS

4.4.9 TEST RESULTS (C)

EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	27deg. C, 40%RH
TESTED BY: Sandra Sohn			

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
6 (turbo mode)	2437	13	30	PASS

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

Device	Model No.	Serial No.	Last Cal.	Next Cal
ROHDE & SCHWARZ EMI Test Receiver	ESIB 40	100201	01/23/05	01/23/06

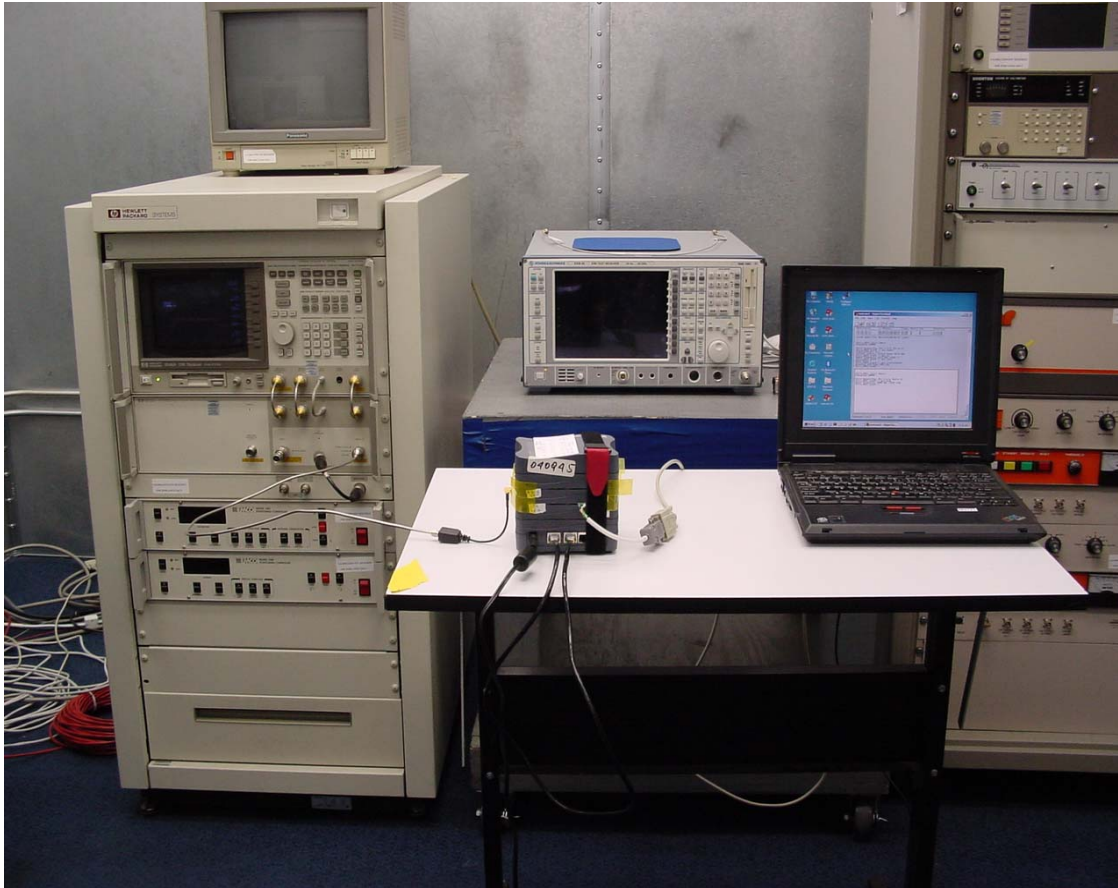
4.5.3 TEST PROCEDURE

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 10kHz VBW, set sweep time = span/3kHz. The power spectral density was measured and recorded.

4.5.4 DEVIATION FROM TEST STANDARD

No deviation

4.5.5 TEST SETUP



4.5.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at highest channel frequency individually.

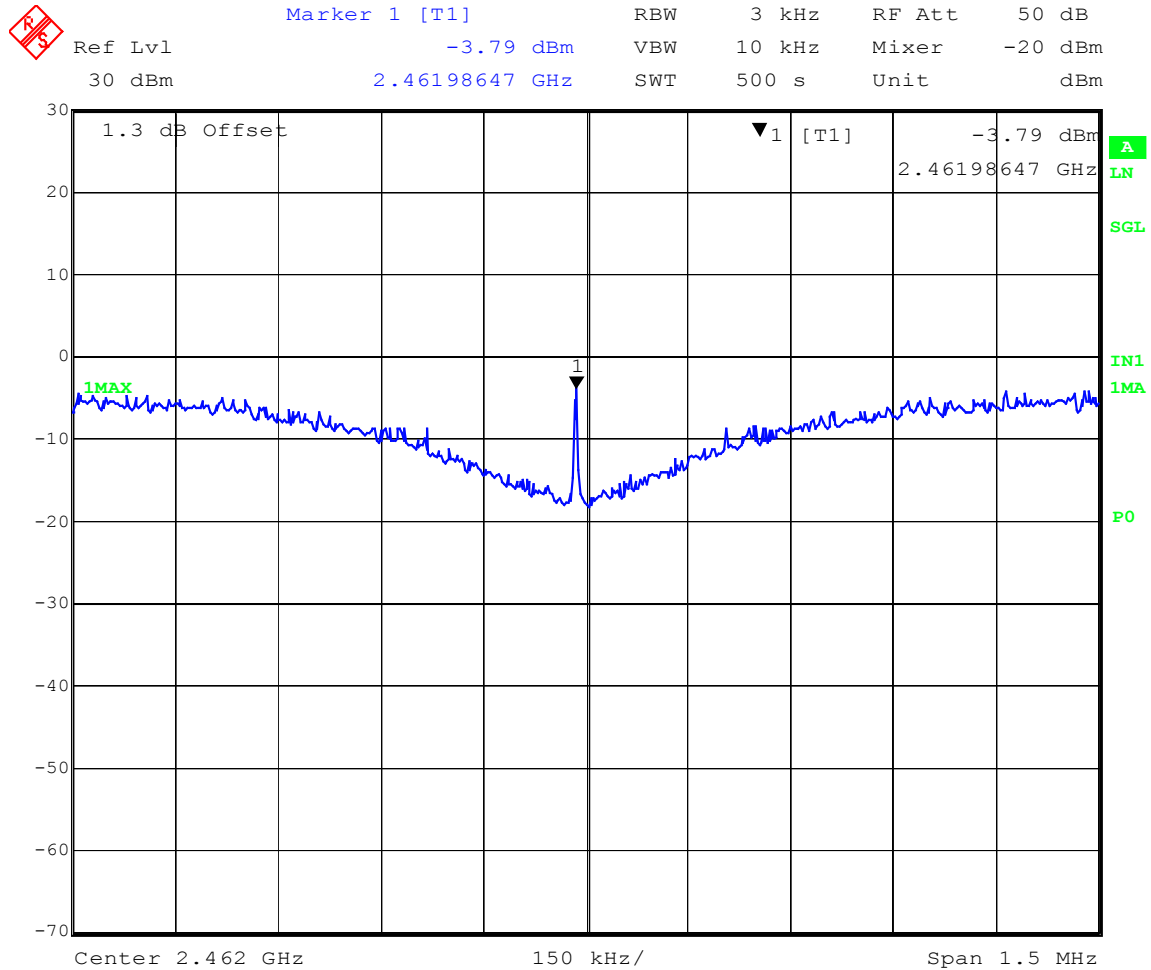
4.5.7 TEST RESULTS (A)

EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	27deg. C, 40%RH
TESTED BY: Sandra Sohn			

Channel 11

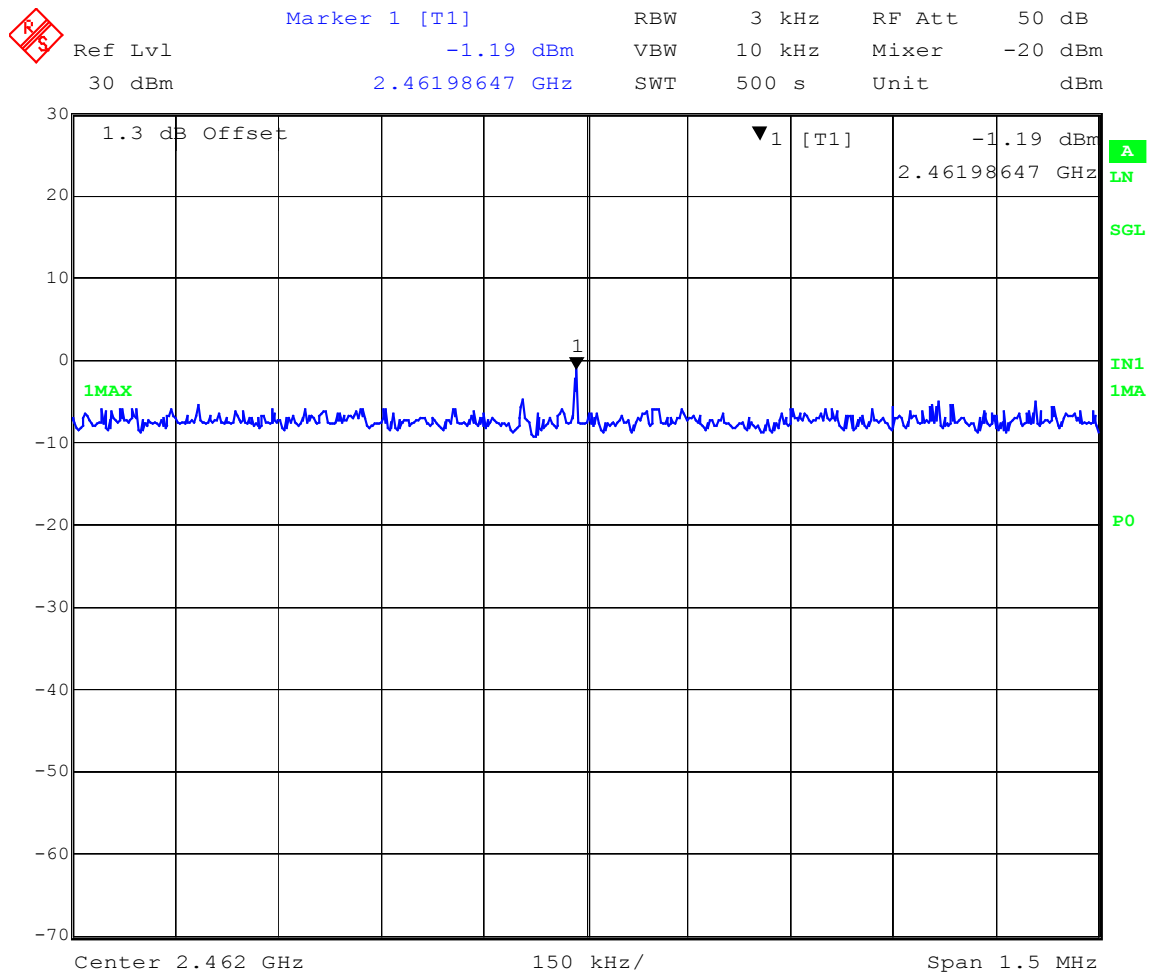
Data rate (Mbps)	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2462	-3.79	8	PASS
5.5	2462	-1.19	8	PASS
11	2462	-1.55	8	PASS
6	2462	-4.41	8	PASS
24	2462	-4.50	8	PASS
54	2462	-5.16	8	PASS

Channel 11
Data rate: 1Mbps



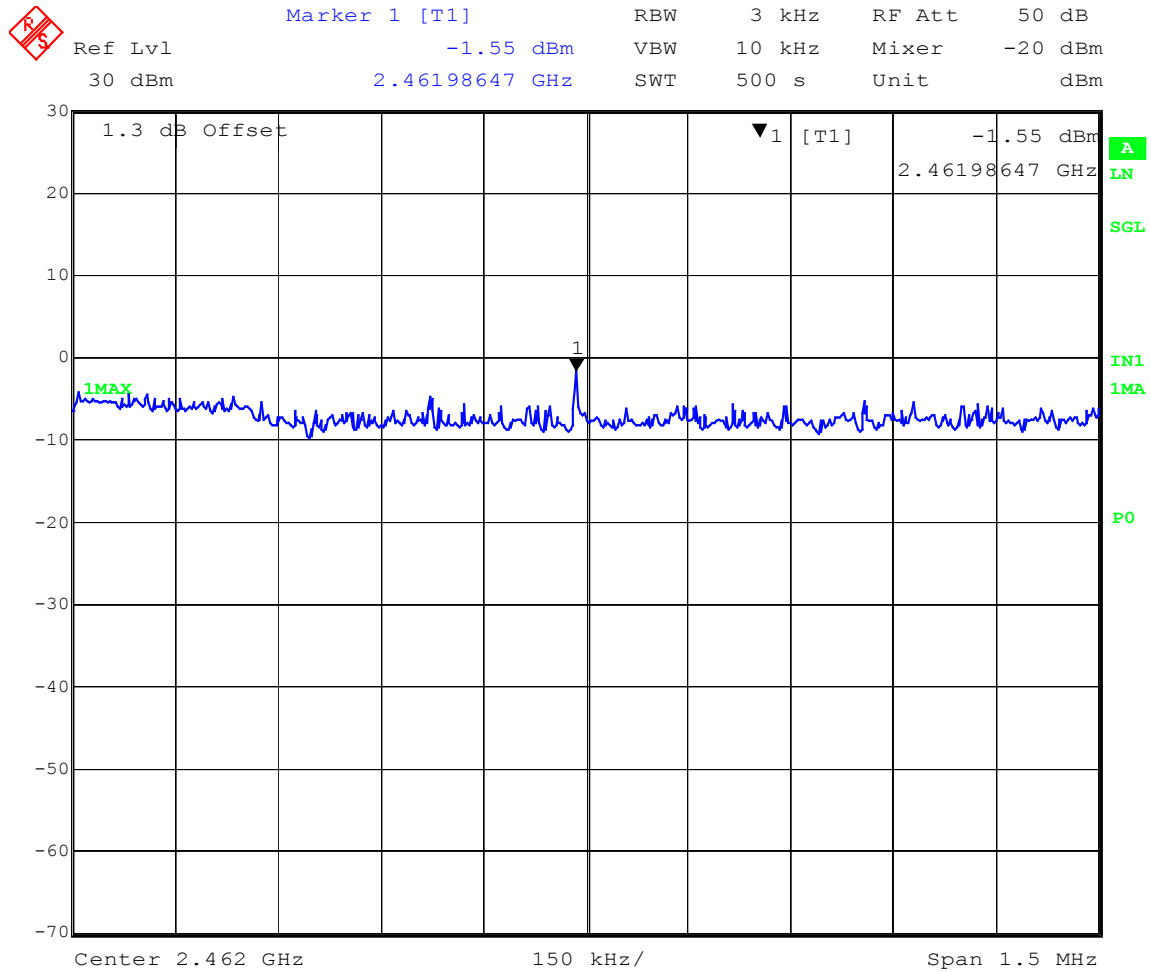
Title: Ch11 rate 1 ppsd
Date: 11.MAY.2005 13:34:21

Channel 11
Data rate: 5.5Mbps



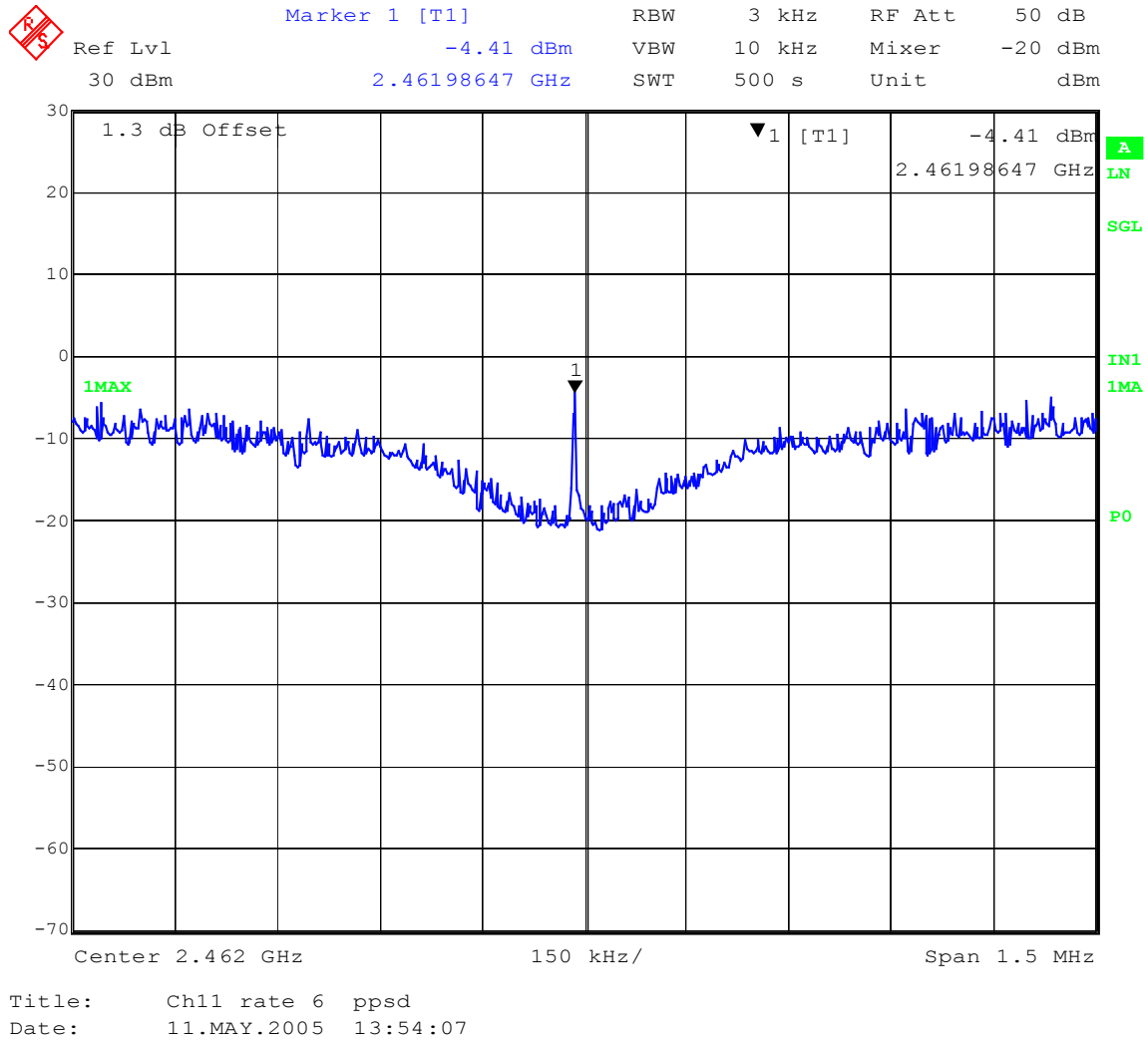
Title: Ch11 rate 5.5 ppsd
Date: 11.MAY.2005 13:45:00

Channel 11
Data rate: 11Mbps

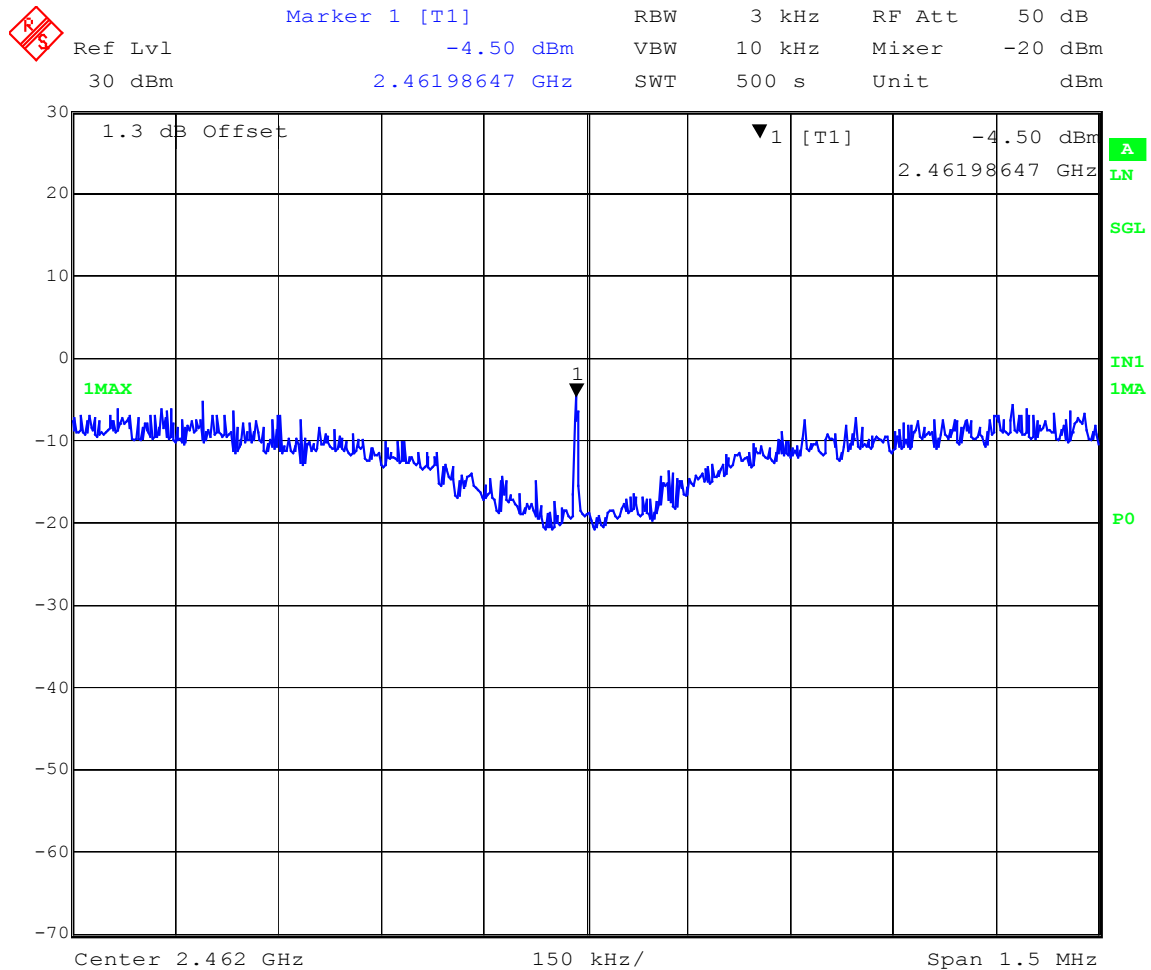


Title: Ch11 rate 11 ppsd
Date: 11.MAY.2005 13:19:45

Channel 11
Data rate: 6Mbps

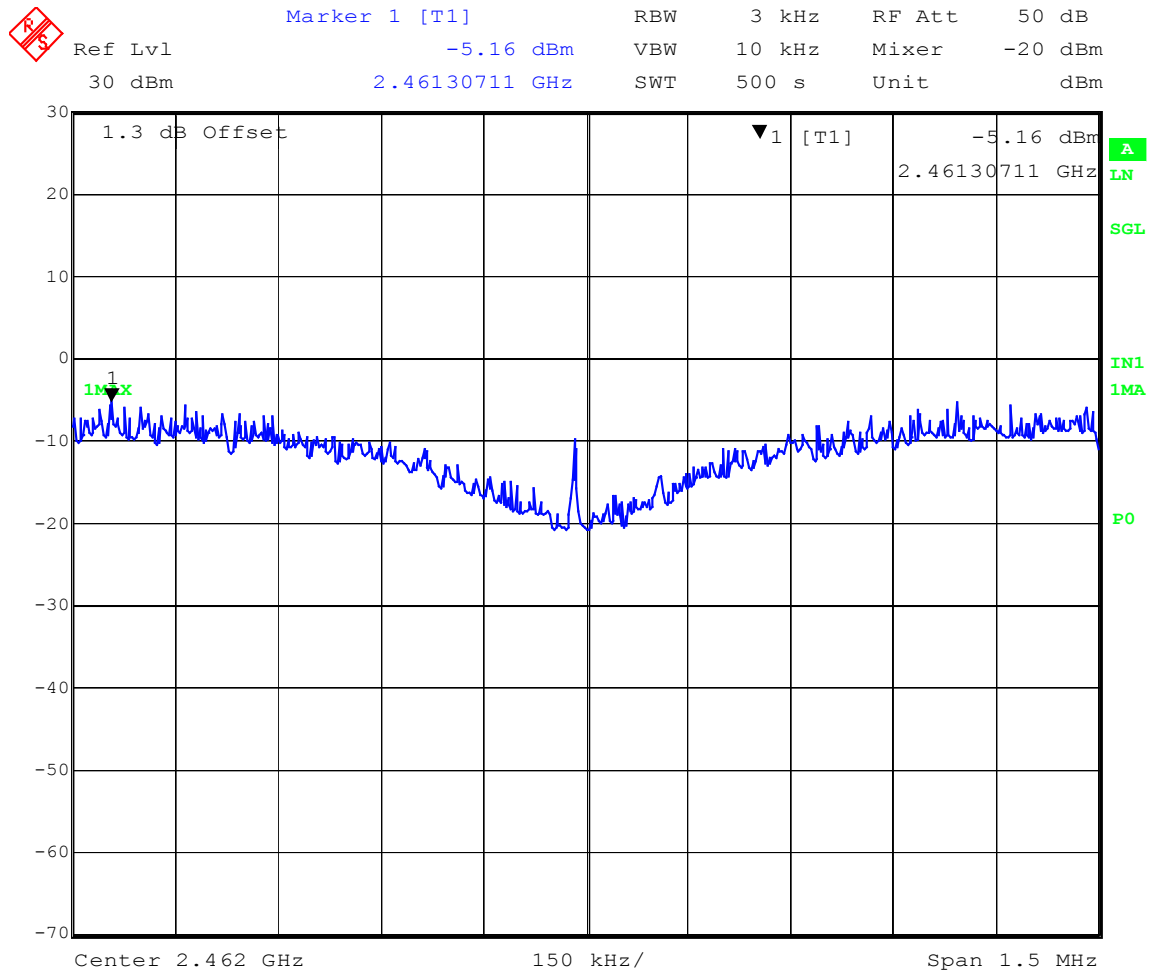


Channel 11
Data rate: 24Mbps



Title: Ch11 rate 24 ppsd
Date: 11.MAY.2005 14:04:39

Channel 11
Data rate: 54Mbps



Title: Ch11 rate 54 ppsd
Date: 11.MAY.2005 14:15:45

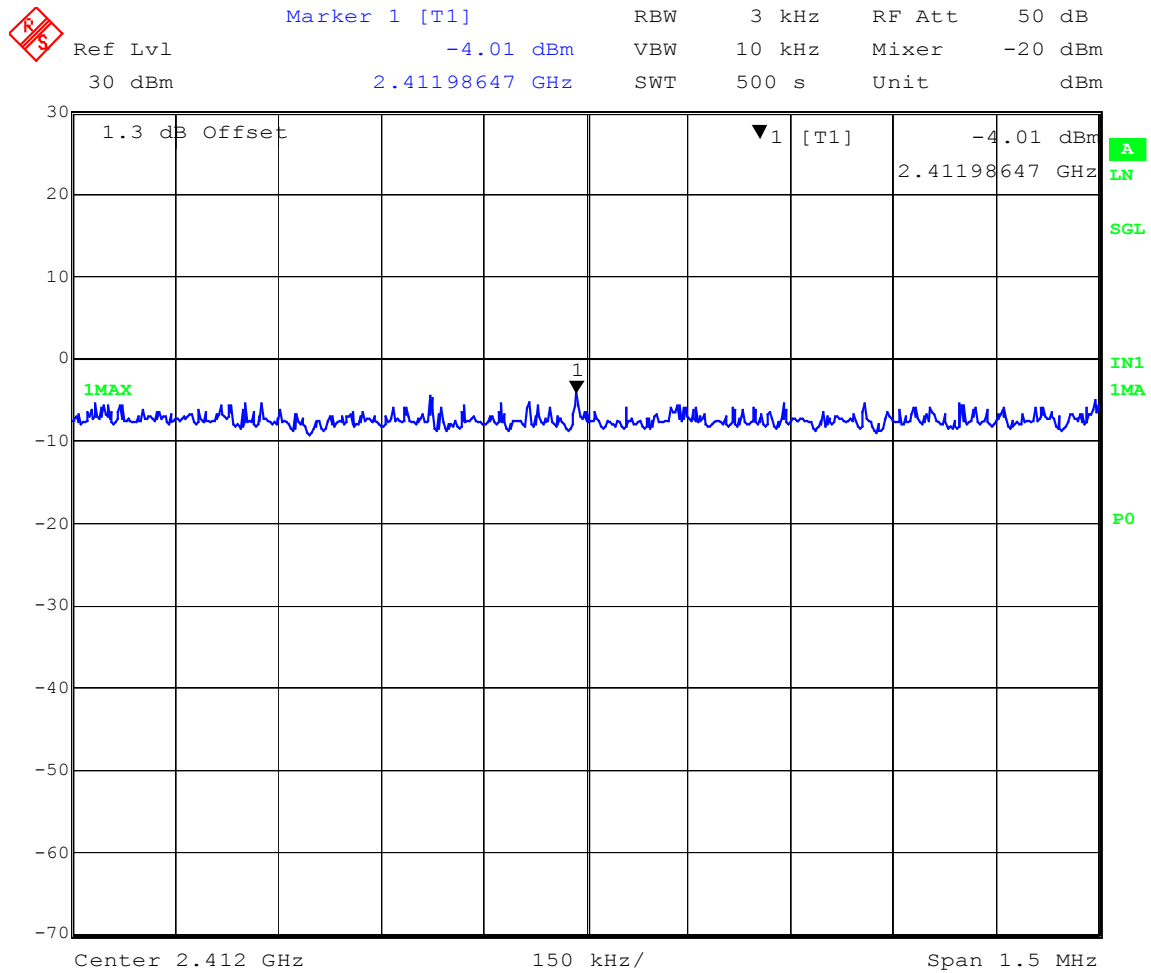
4.5.8 TEST RESULTS (B)

EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	22deg. C, 48%RH
TESTED BY: Sandra Sohn			

Channel 1

Data rate (Mbps)	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
11	2412	-4.01	8	PASS

Channel 1
Data rate: 11Mbps



Title: Ch1 rate 11 ppsd
Date: 11.MAY.2005 14:32:09

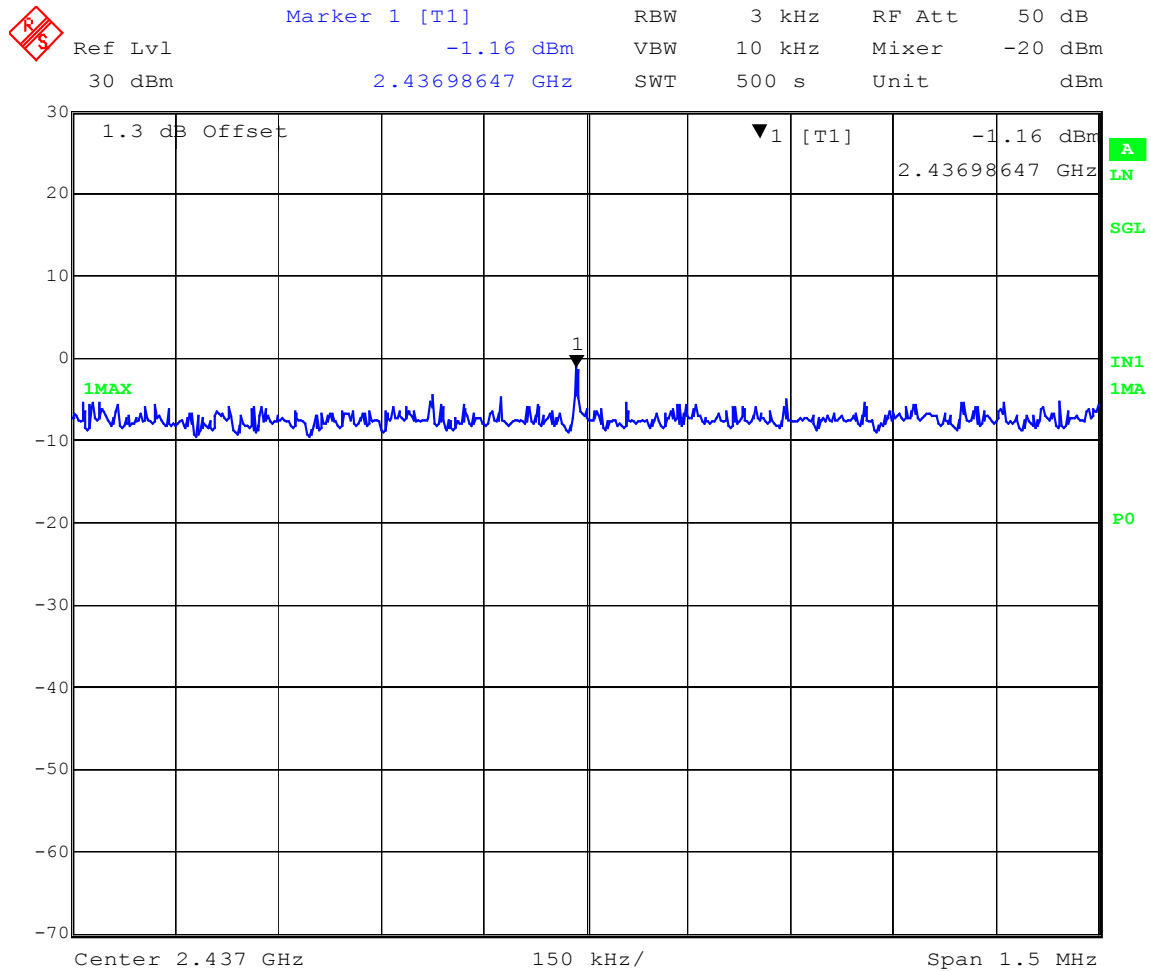
4.5.9 TEST RESULTS (C)

EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	22deg. C, 48%RH
TESTED BY: Sandra Sohn			

Channel 6

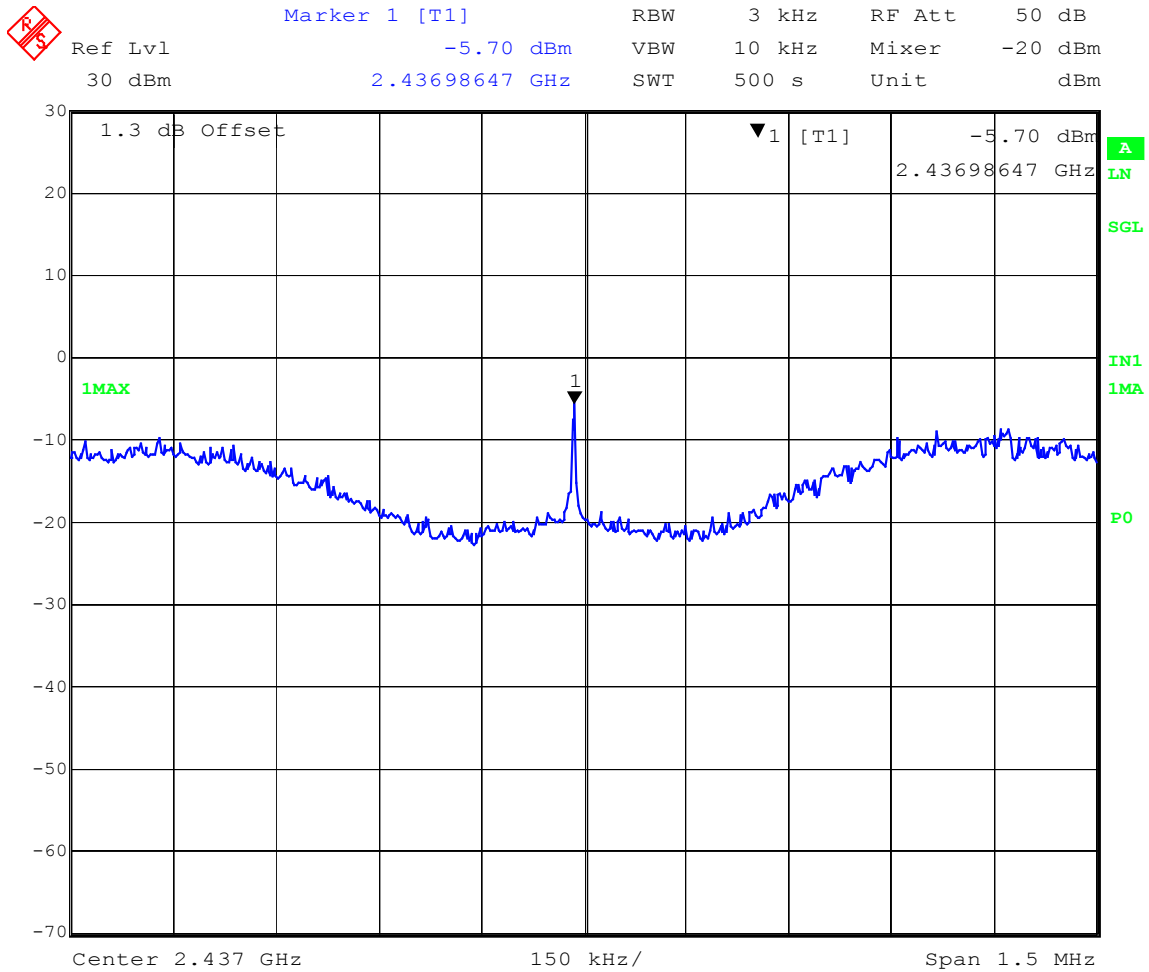
Data rate (Mbps)	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
11	2437	-1.16	8	PASS
Turbo mode	2437	-5.70	8	PASS

Channel 6
Data rate: 11Mbps



Title: Ch6 rate 11 ppsd
Date: 11.MAY.2005 14:41:52

Channel 6 Turbo mode



Title: Ch6 rate turbo ppsd
Date: 11.MAY.2005 14:52:28

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).

4.6.2 TEST INSTRUMENTS

Device	Model No.	Serial No.	Last Cal.	Next Cal
HP EMI Receiver	HP8546A	3325A00120	03/05/05	03/05/06

4.6.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low loss cable. Set both RBW and VBW of spectrum analyzer to 100 kHz and 300 kHz with suitable frequency span including 50 MHz bandwidth from band edge. The band edges was measured and recorded.

4.6.4 DEVIATION FROM TEST STANDARD

No deviation

4.6.5 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, highest channel frequency for different data rates individually.

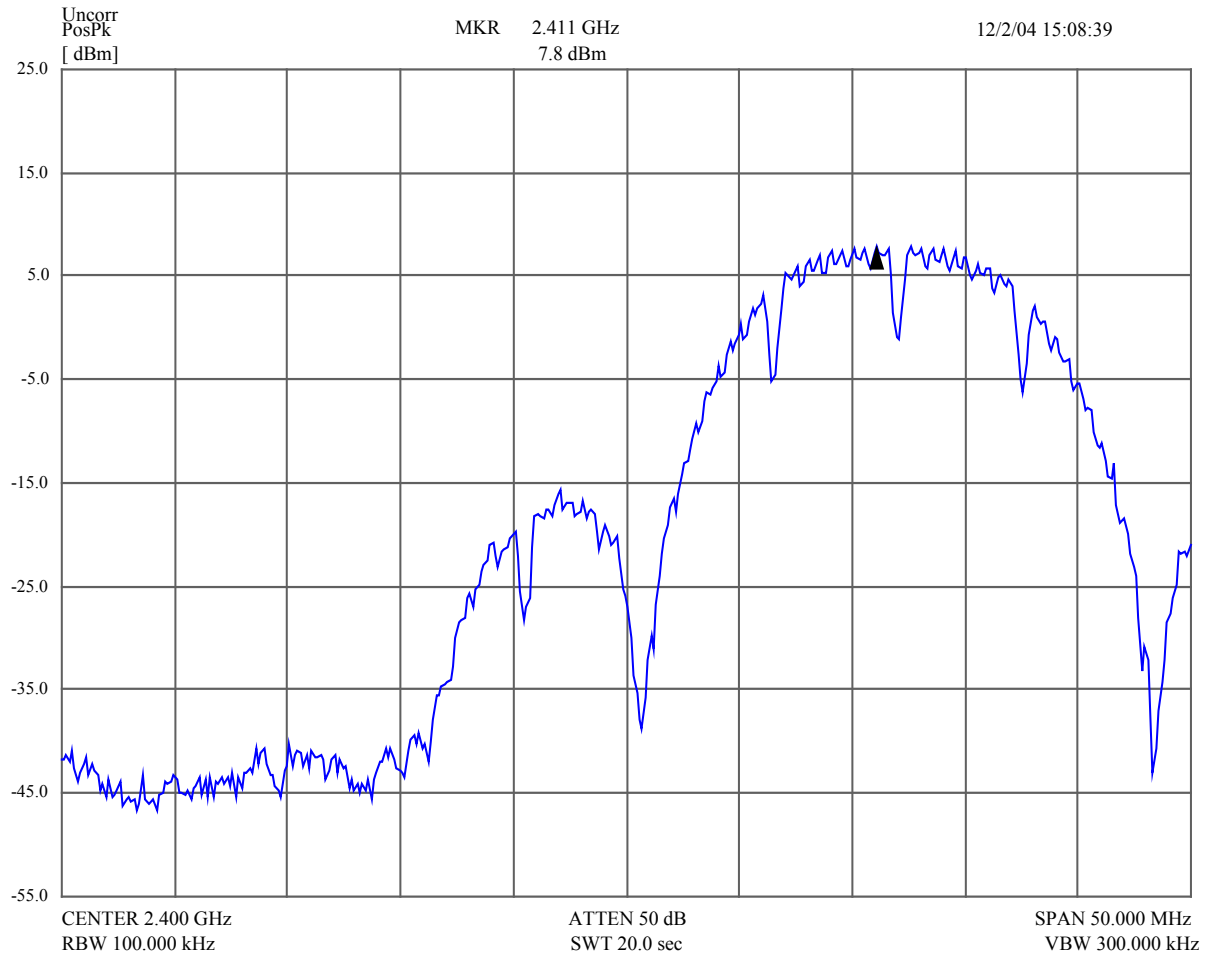
4.6.6 TEST RESULTS (A)

The spectrum plots are attached on the following 12 pages. The marker indicates the highest level. It shows compliance with the requirement in part 15.247(C).

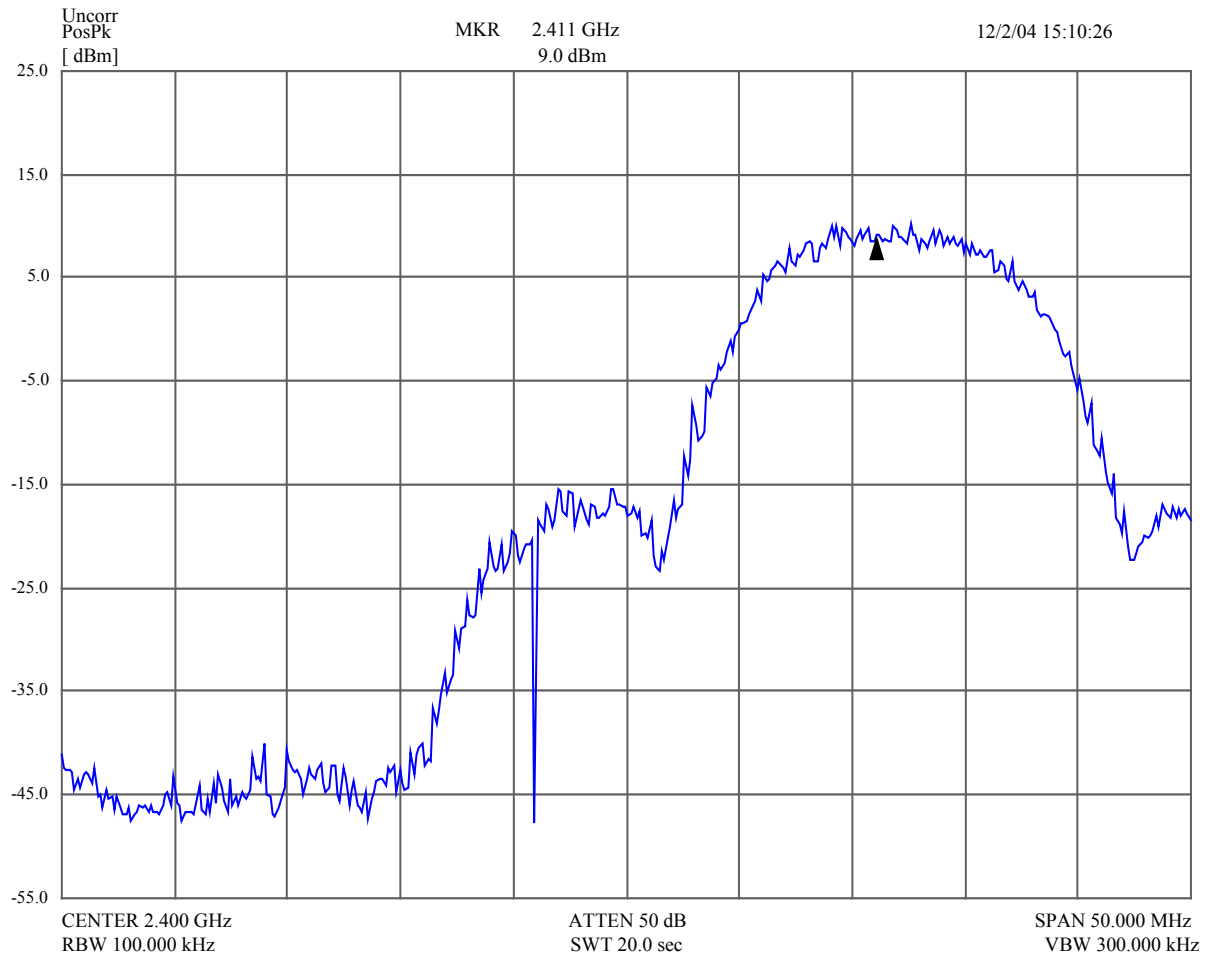
NOTE 1:

The Lower band edge emission plot on the following first 6 page for different Data rates (1Mbps, 5.5Mbps, 11Mbps, 6Mbps, 24Mbps, 54Mbps) of Channel 1 shows at least 20dB delta between carrier maximum power and local maximum emission outside the frequency band (2.400GHz), based on a RF conducted measurement.

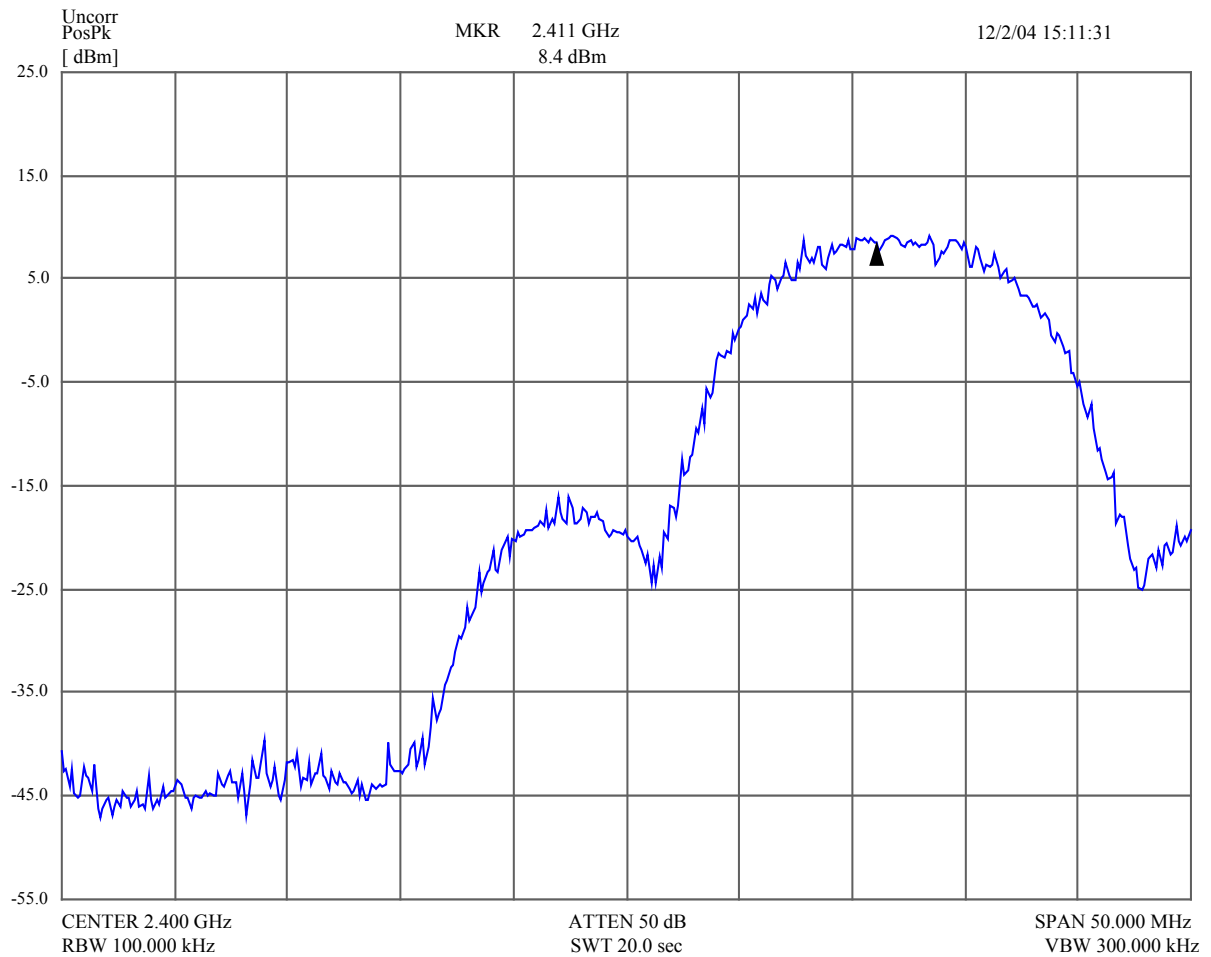
Channel 1
Data rate: 1Mbps



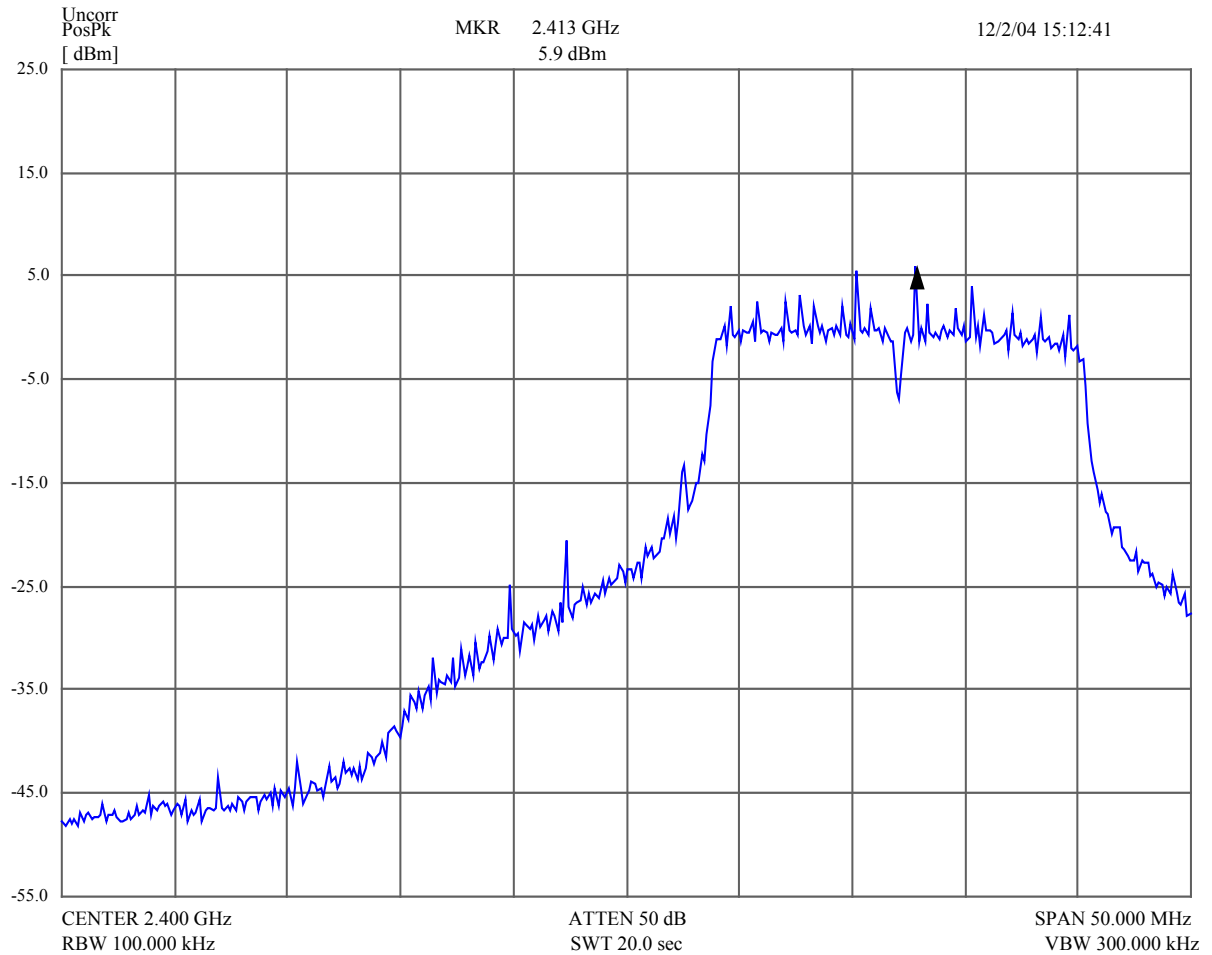
Channel 1
Data rate: 5.5Mbps



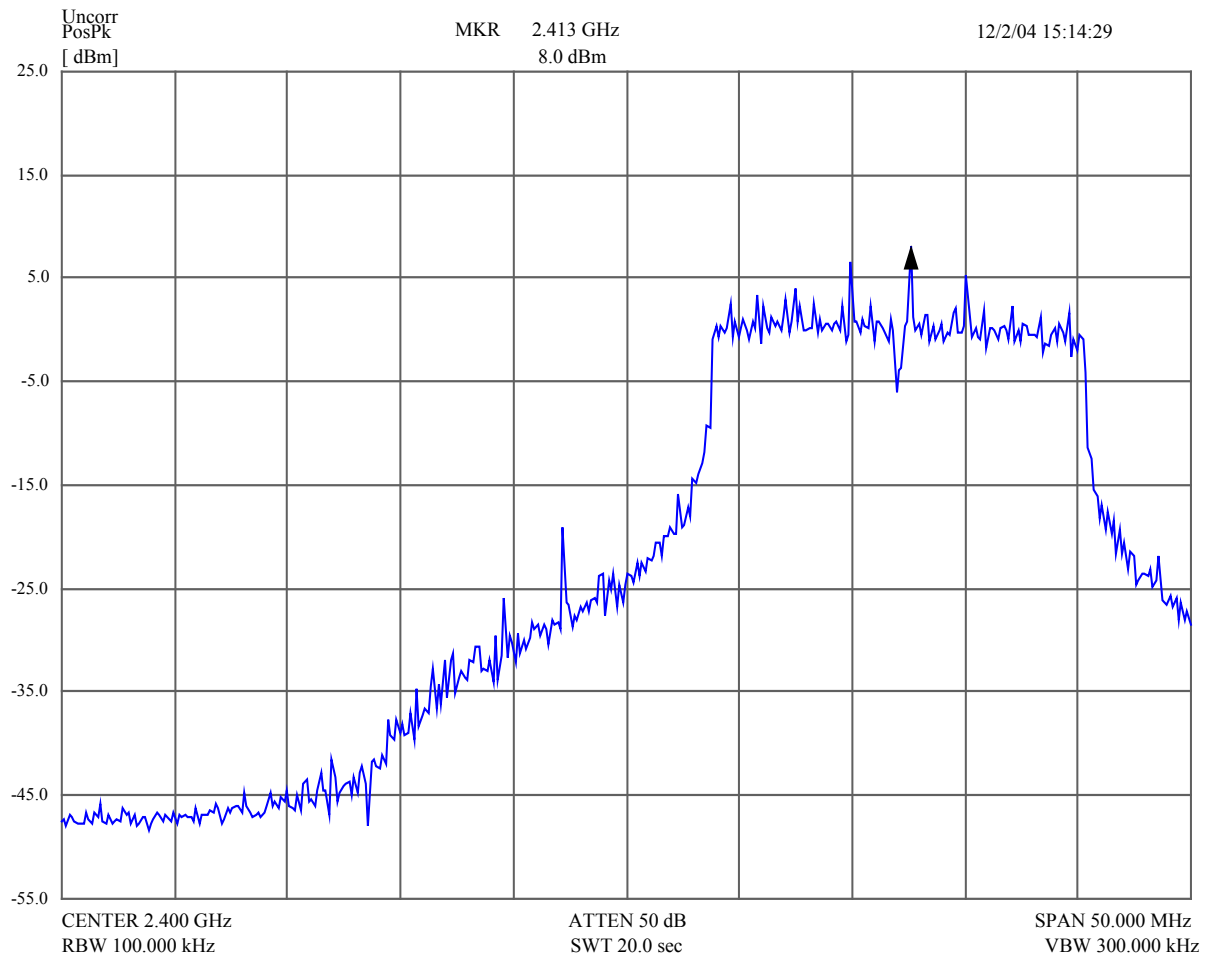
Channel 1
Data rate: 11Mbps



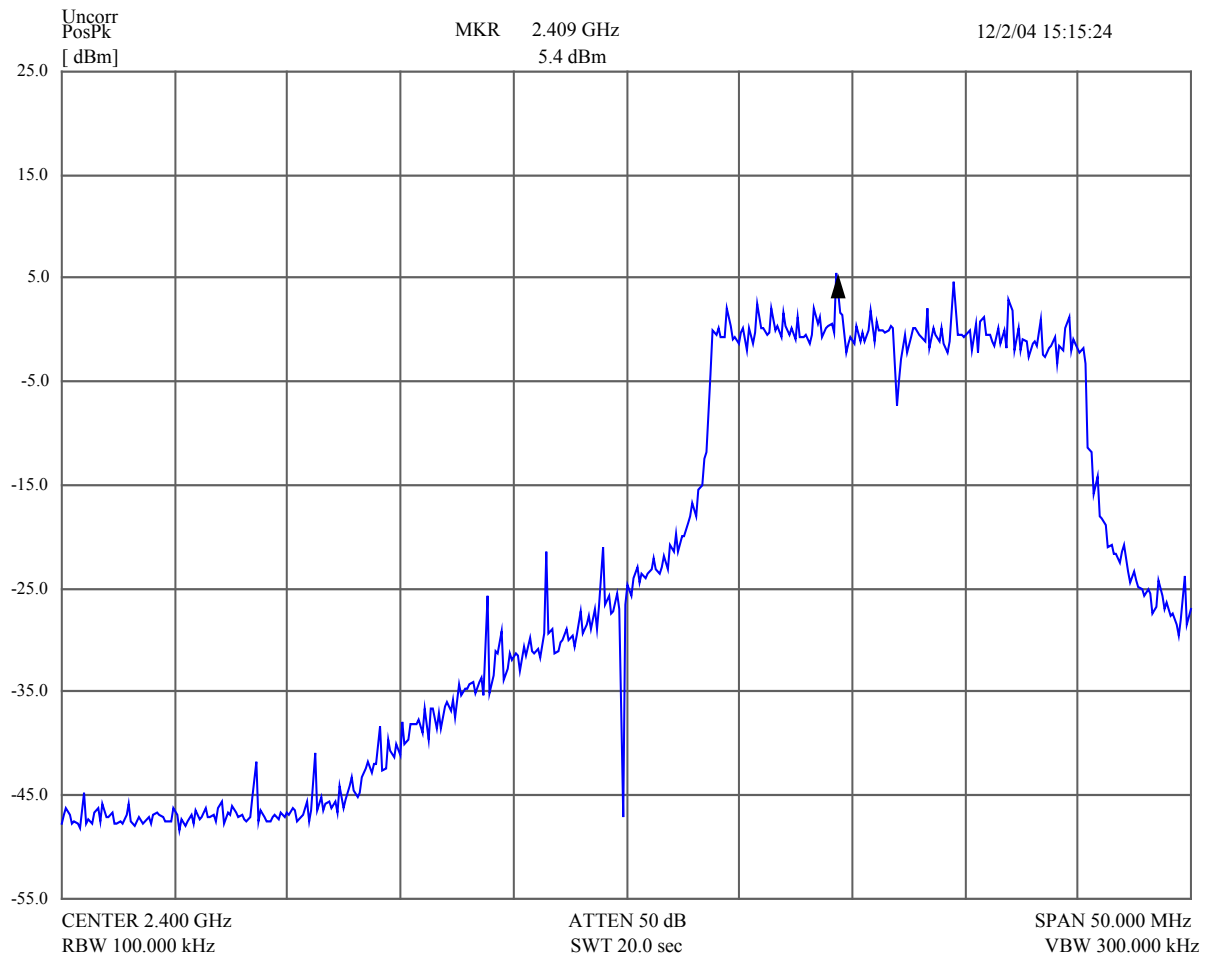
Channel 1
Data rate: 6Mbps



Channel 1
Data rate: 24Mbps



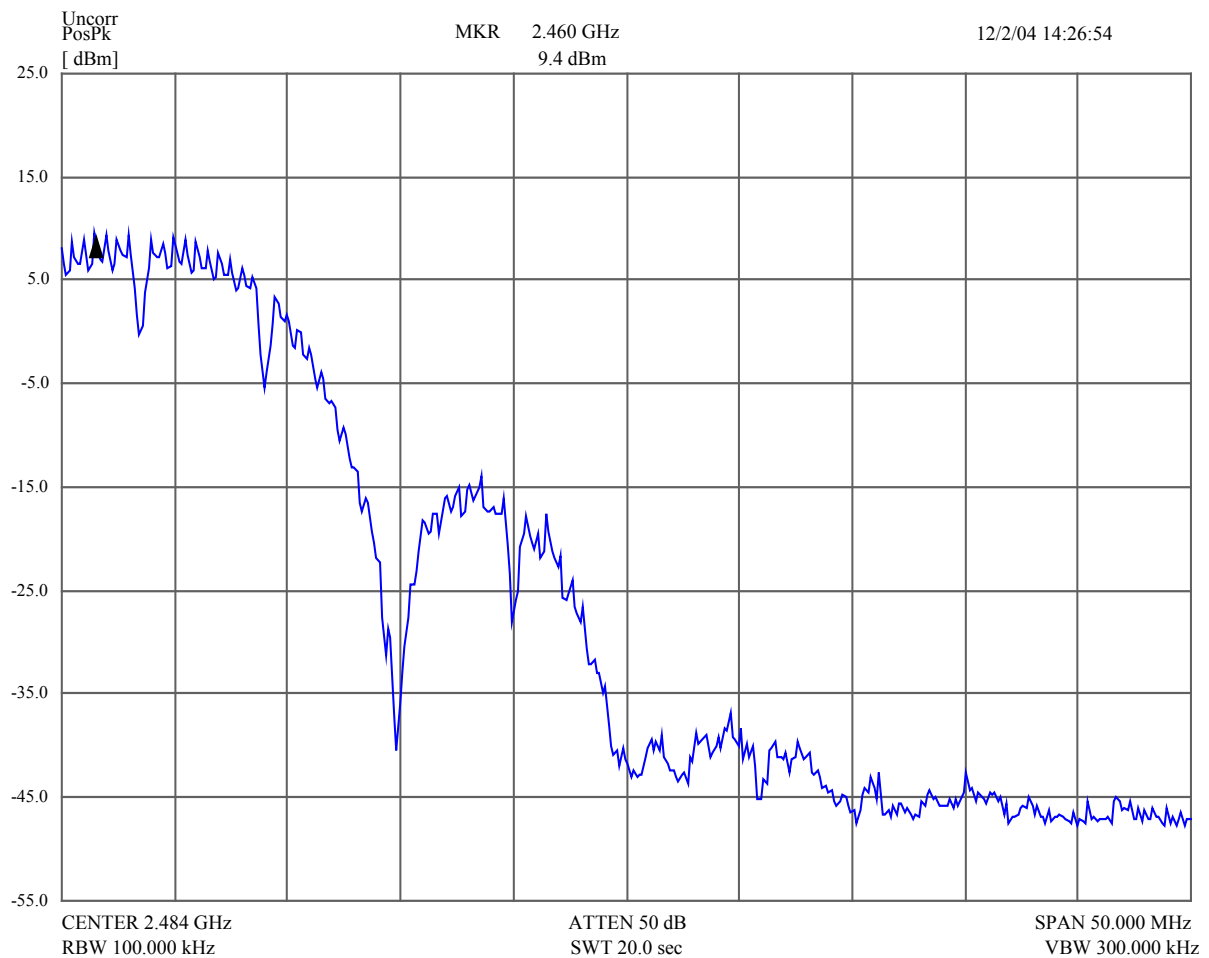
Channel 1
Data rate: 54Mbps



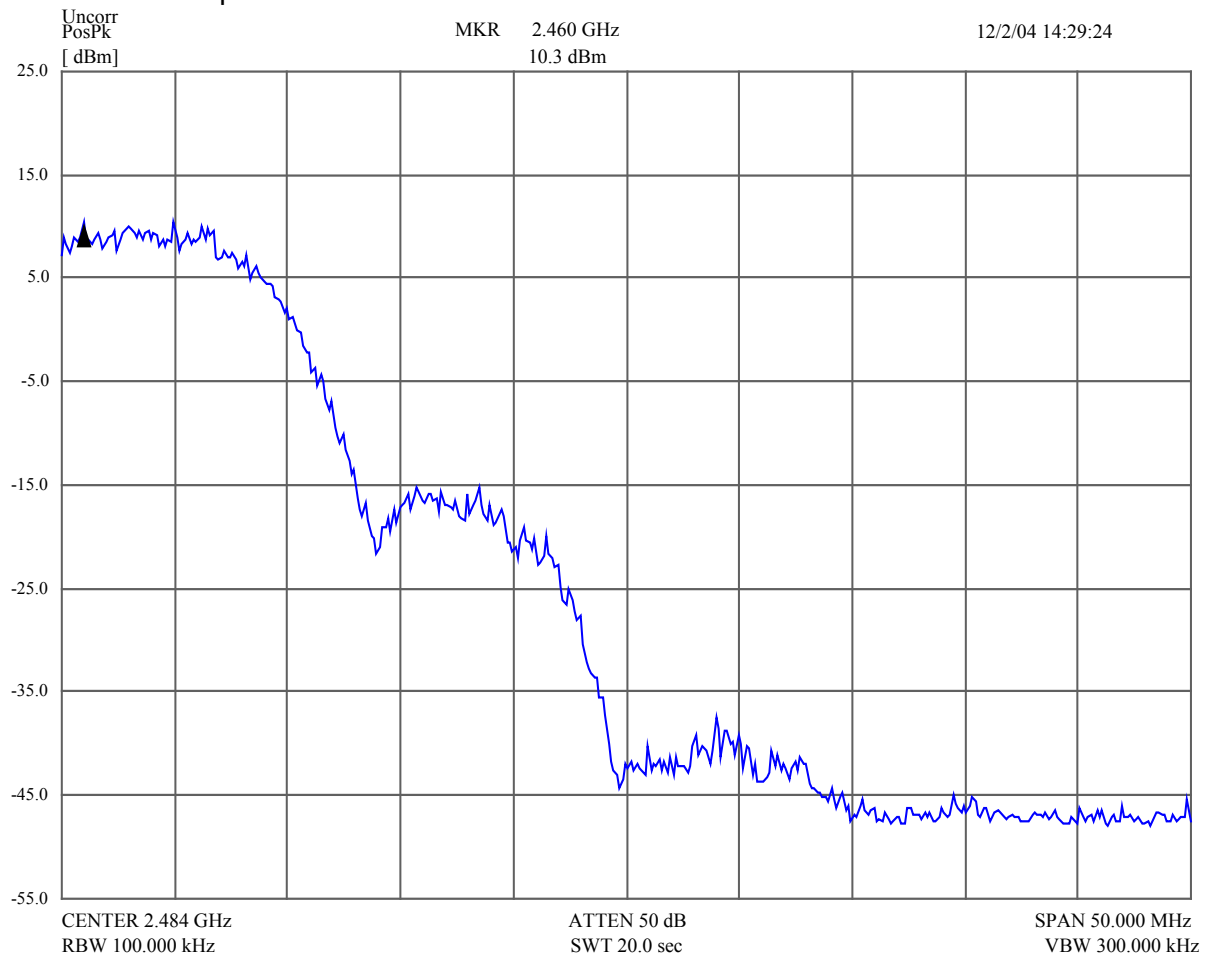
NOTE 2:

The Upper band edge emission plot on the following second 6 pages for different Data rates (1Mbps, 5.5Mbps, 11Mbps, 6Mbps, 24Mbps, 54Mbps) of Channel 11 shows at least 20dB delta between carrier maximum power and local maximum emission outside the frequency band (2.4835GHz), based on a RF conducted measurement.

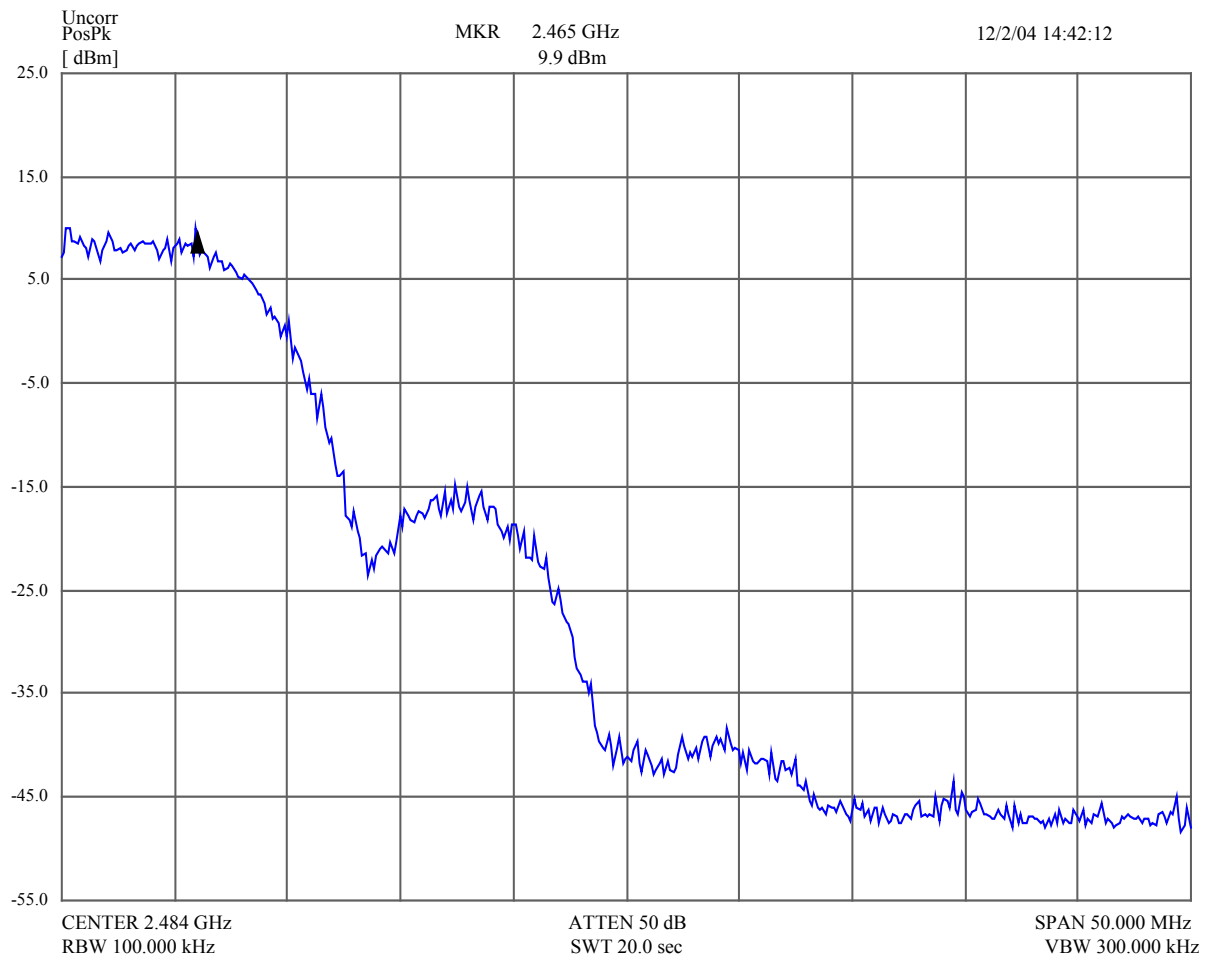
Channel 11
Data rate: 1Mbps



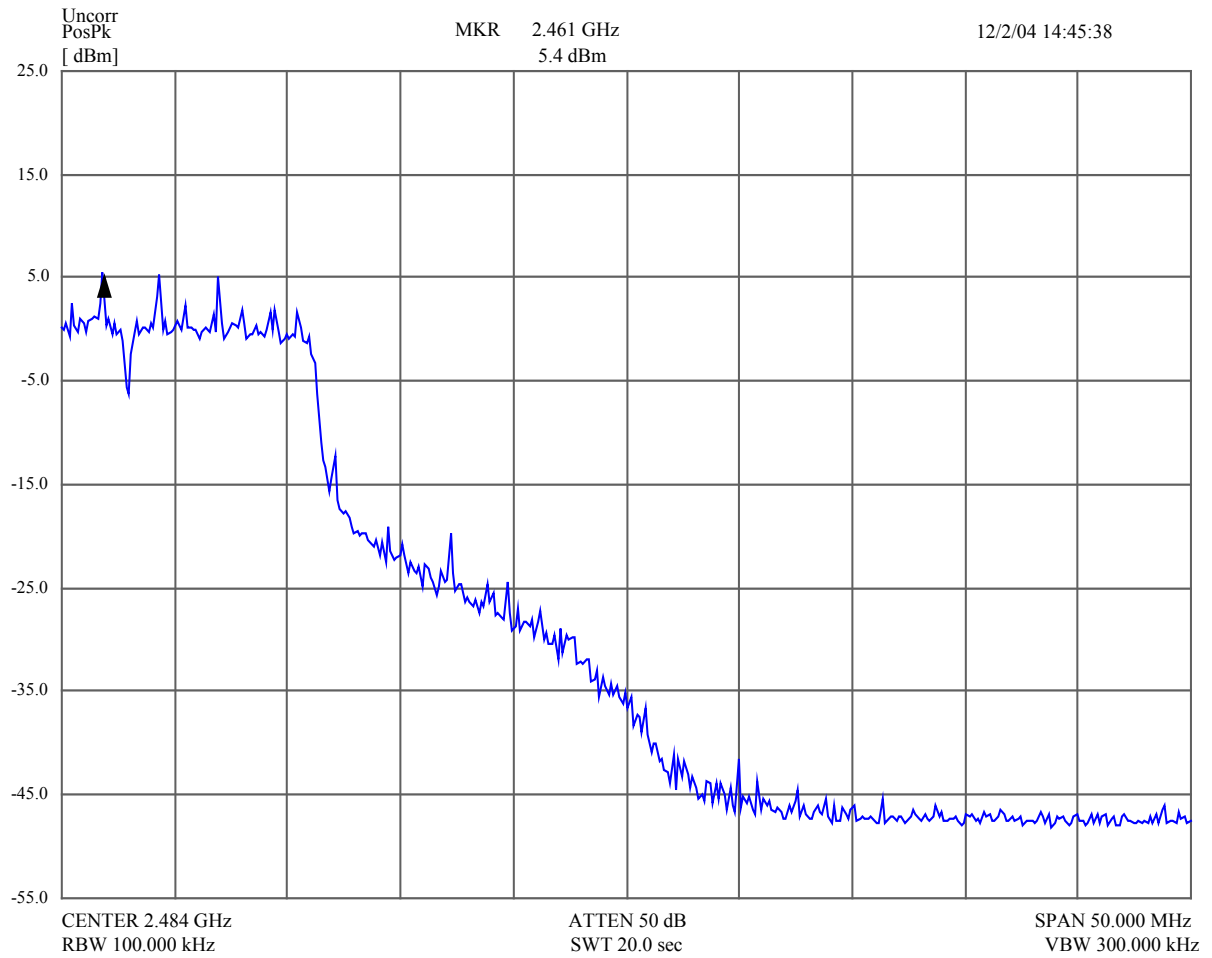
Channel 11
Data rate: 5.5Mbps



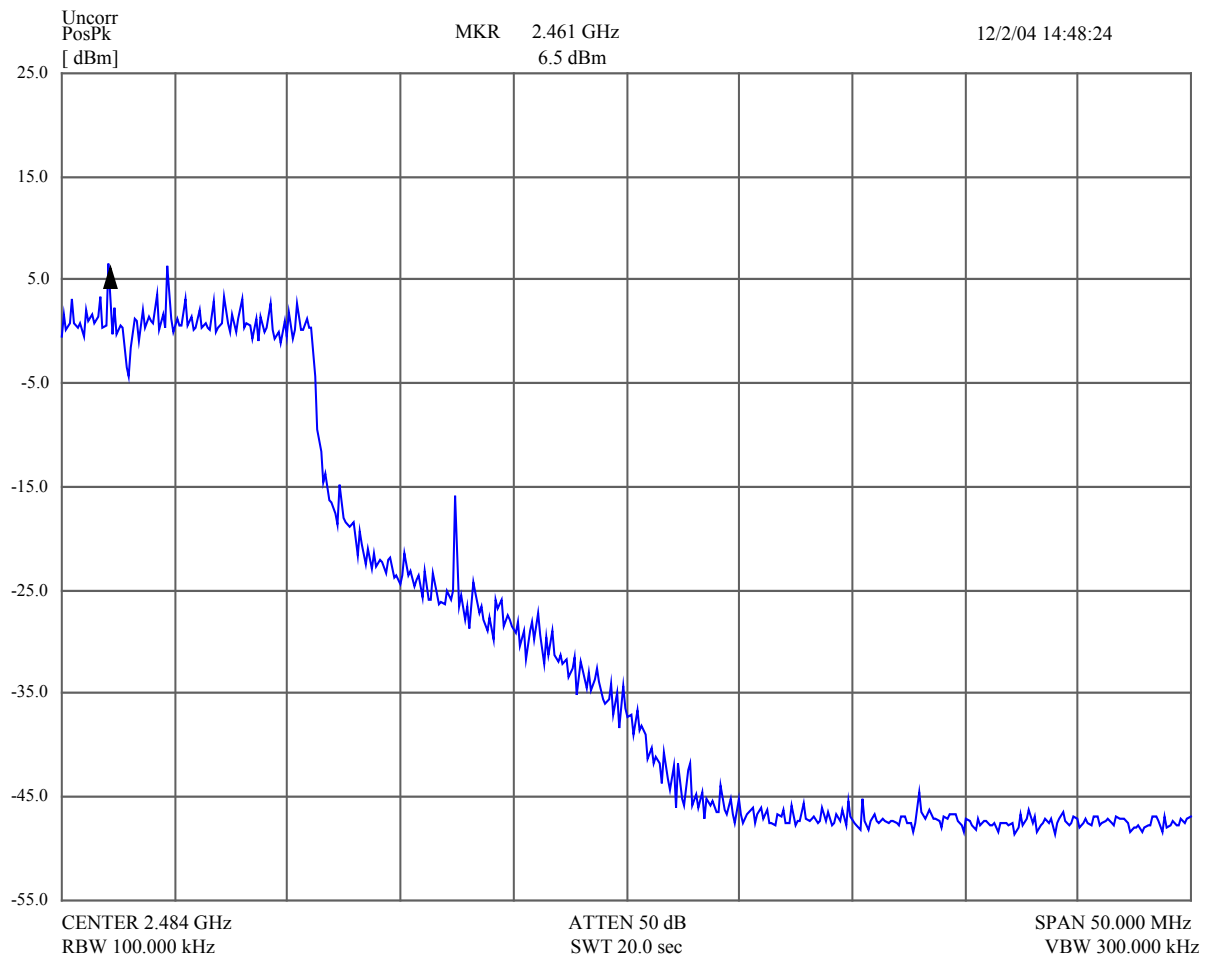
Channel 11
Data rate: 11Mbps



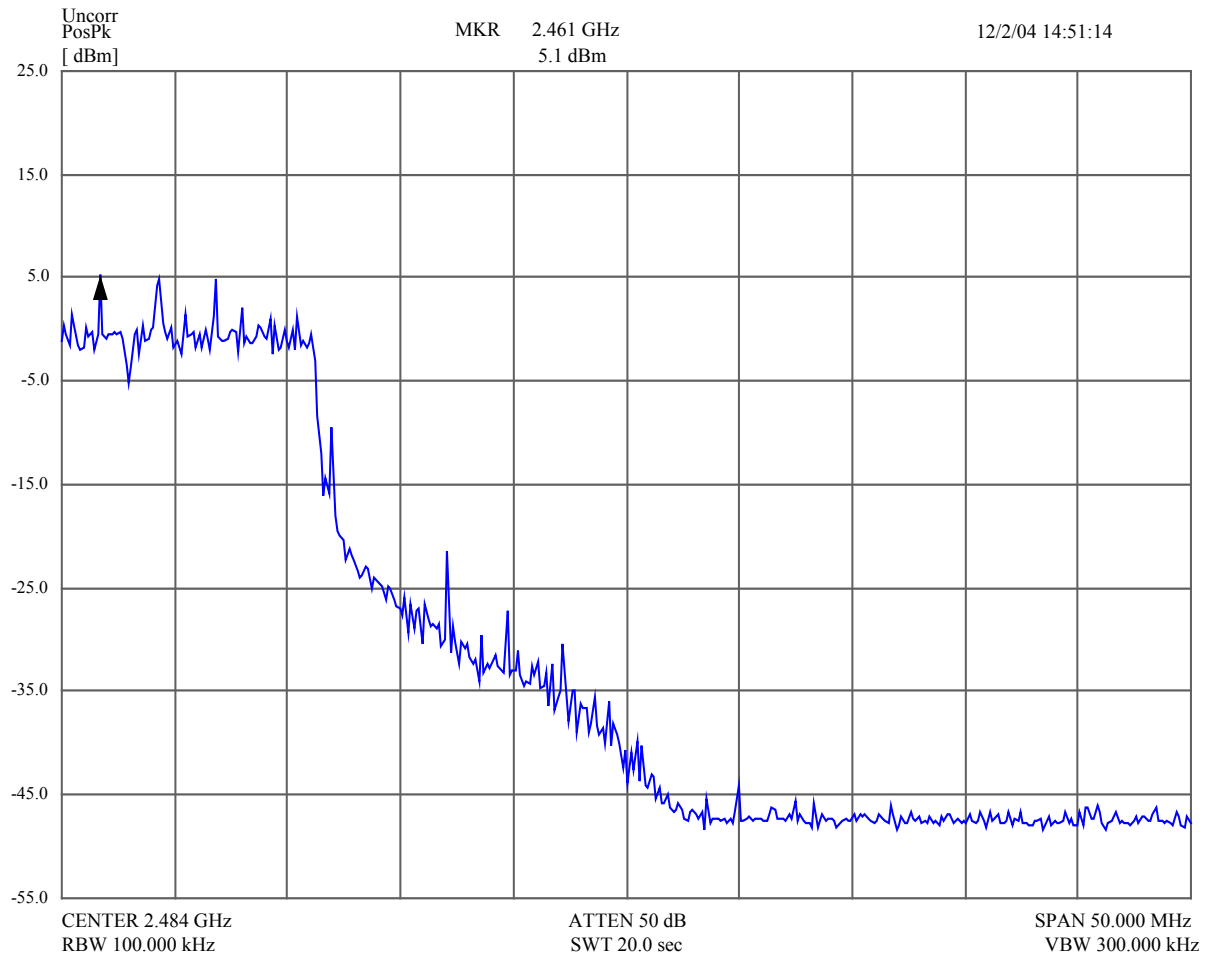
Channel 11
Data rate: 6Mbps



Channel 11
Data rate: 24Mbps



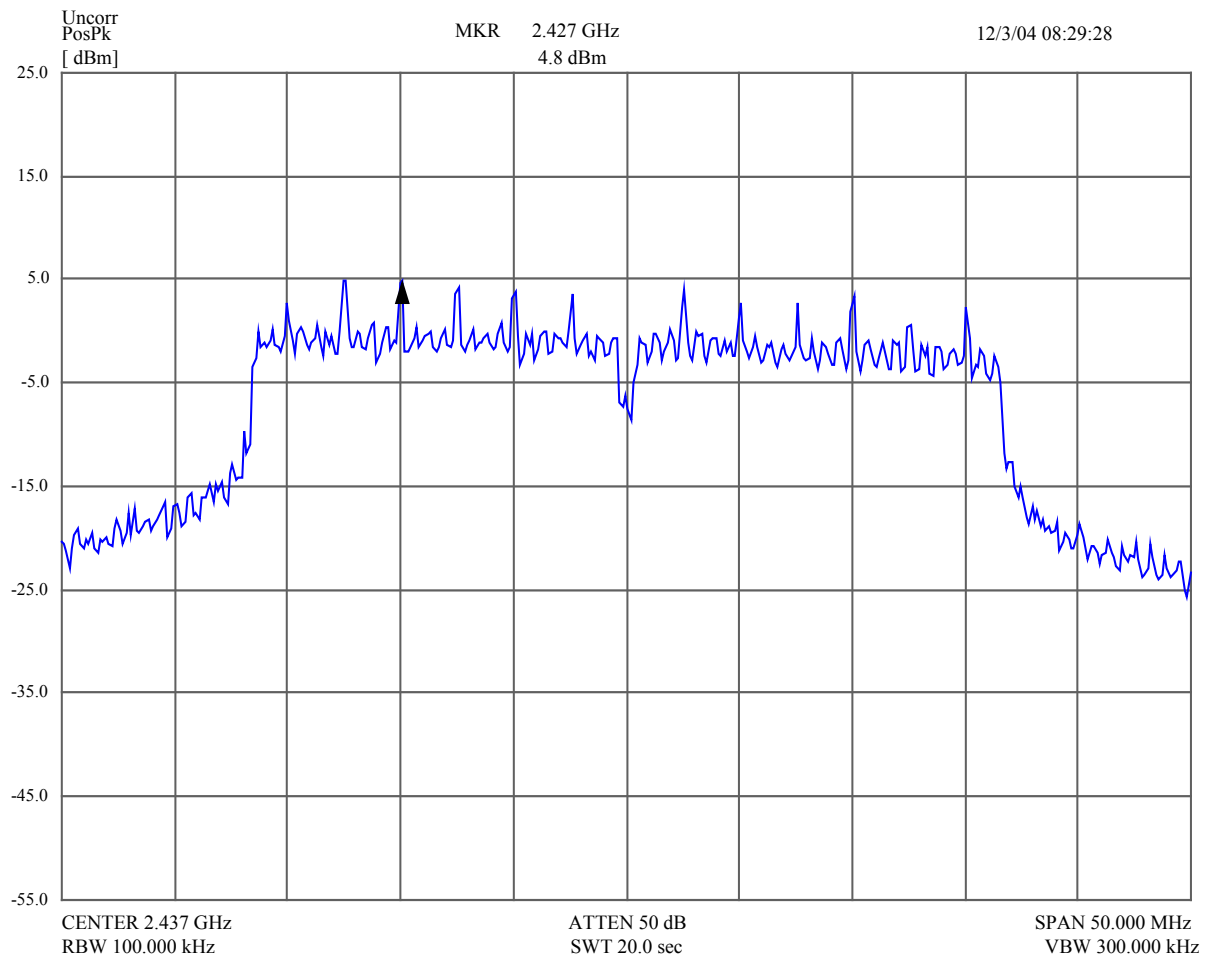
Channel 11
Data rate: 54Mbps



NOTE 3:

The Lower and Upper band edge emission plot on the following 1 page for Turbo mode shows at least 20dB delta between carrier maximum power and local maximum emission outside the frequency band (2.4GHz and 2.4835GHz), based on a RF conducted measurement.

Channel 6
Turbo mode



4.7 RESTRICTED BANDS OF OPERATION

4.7.1 LIMITS OF RESTRICTED BANDS OF OPEARATION

54dBuV/m in the following restricted bands of operations: 2310-2390MHz, 2483.5-2500MHz.

4.7.2 TEST INSTRUMENTS

Device	Model No.	Serial No.	Last Cal.	Next Cal
HP EMI Receiver	HP8546A	3325A00120	03/05/05	03/05/06

4.7.3 TEST PROCEDURES

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter Semi-Anechoic Chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna is a Horn 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.
- 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 table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using the quasi-peak method or average method as specified and then reported in Data sheet peak mode and QP mode.

NOTE:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz , 3MHz for Peak detection (PK) at frequency above 1GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 KHz for Average detection (AV) at frequency above 1GHz.

4.7.4 DEVIATION FROM TEST STANDARD

No deviation

4.7.5 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, highest channel frequency for b,g data rates with internal module and external antenna individually.

4.7.6 TEST RESULTS (A)

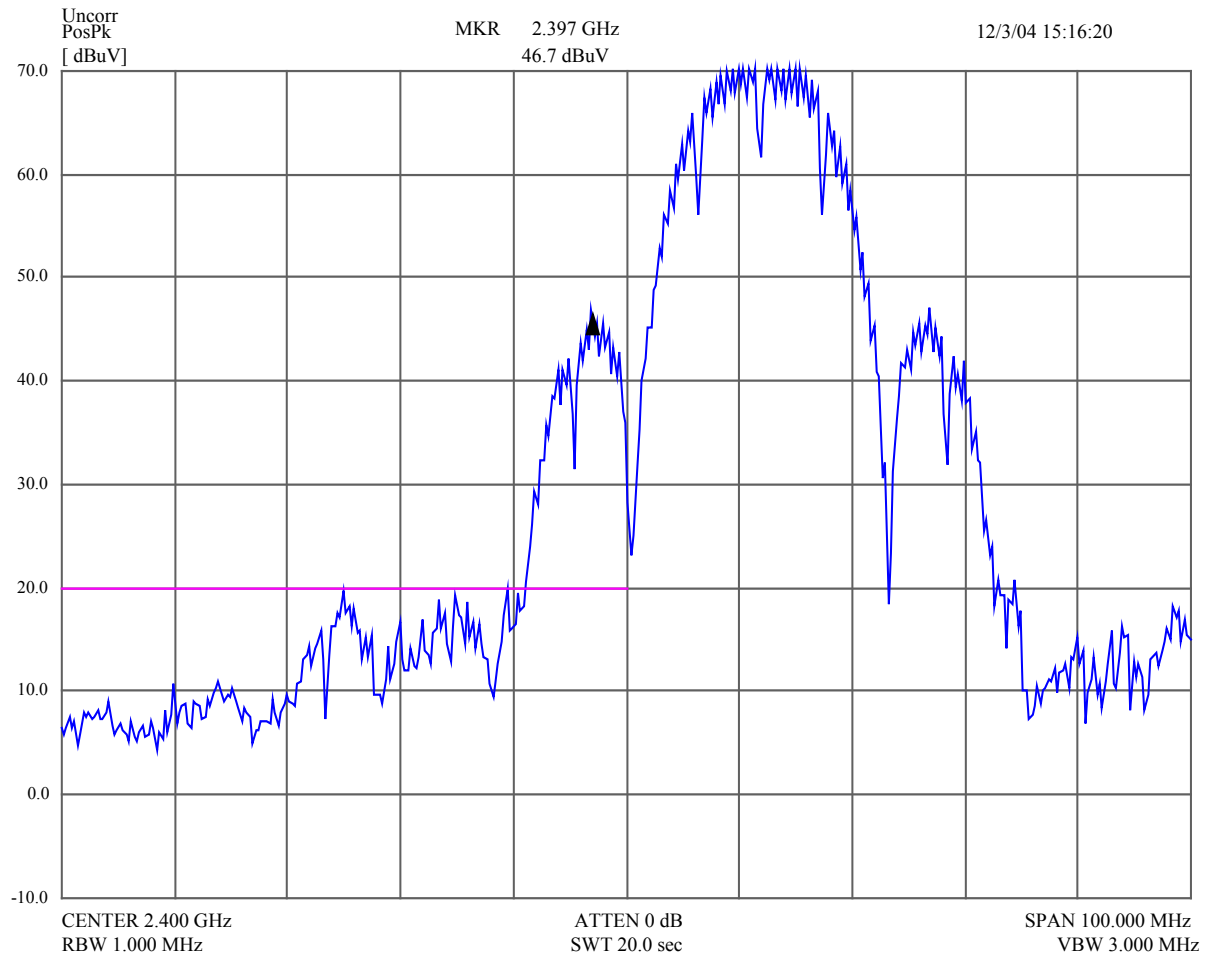
EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
MODE	Channel 1(1Mbps, 6Mbps), w/antenna module	FREQUENCY RANGE	2350-2450MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (P) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 40%RH	TESTED BY: Sandra Sohn	

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	53.9	74(P)	-20.1	1	24	20	33.9
1	2390	43.9	54(AV)	-10.1	1	24	10	33.9
2	2390	55.9	74(P)	-18.1	1	24	22	33.9
2	2390	43.9	54(AV)	-10.1	1	24	10	33.9

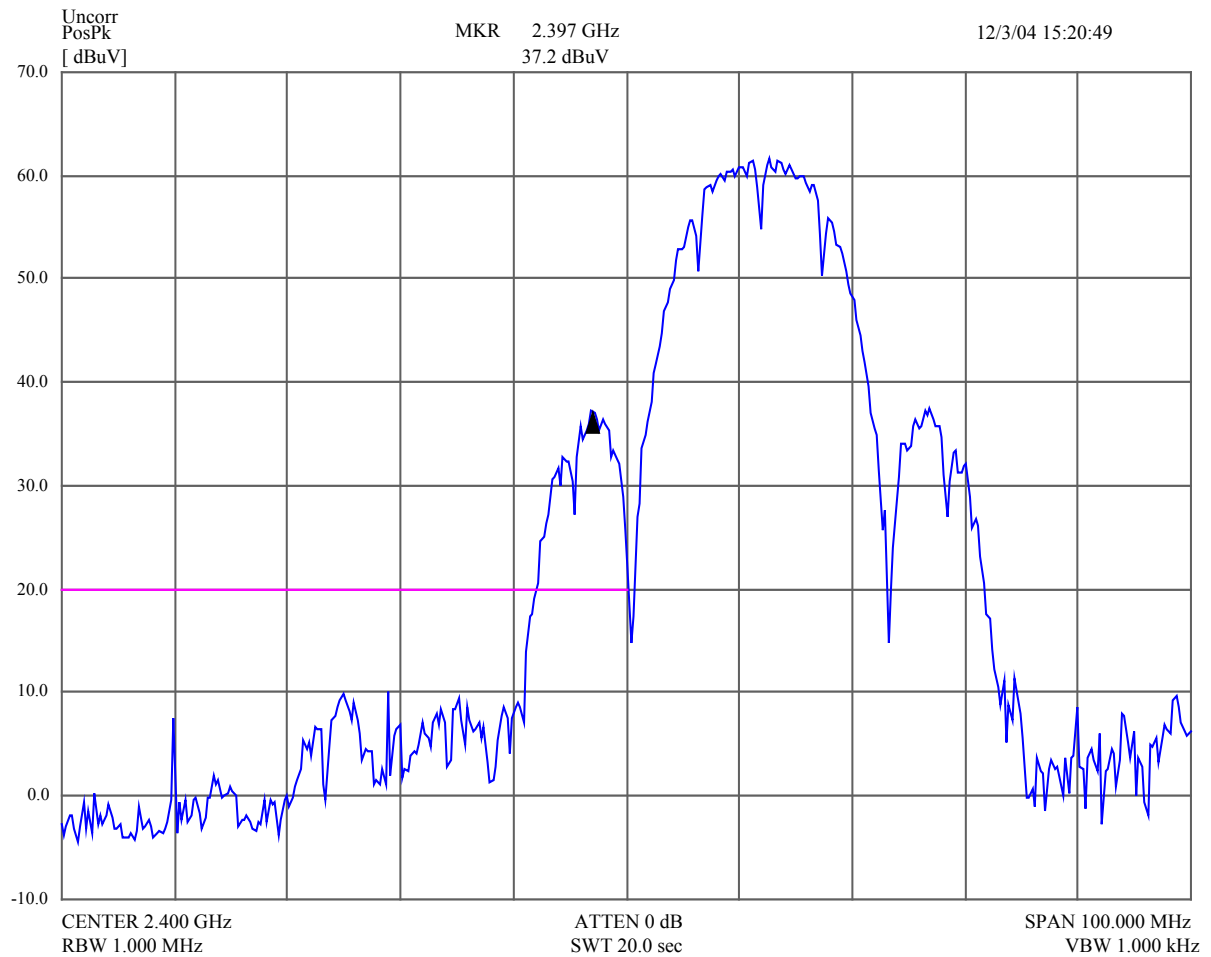
REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna 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. The limit value is defined as per 15.205
6. No.1 are for data rate 1Mbps, No. 2 are for data rate 6Mbps.

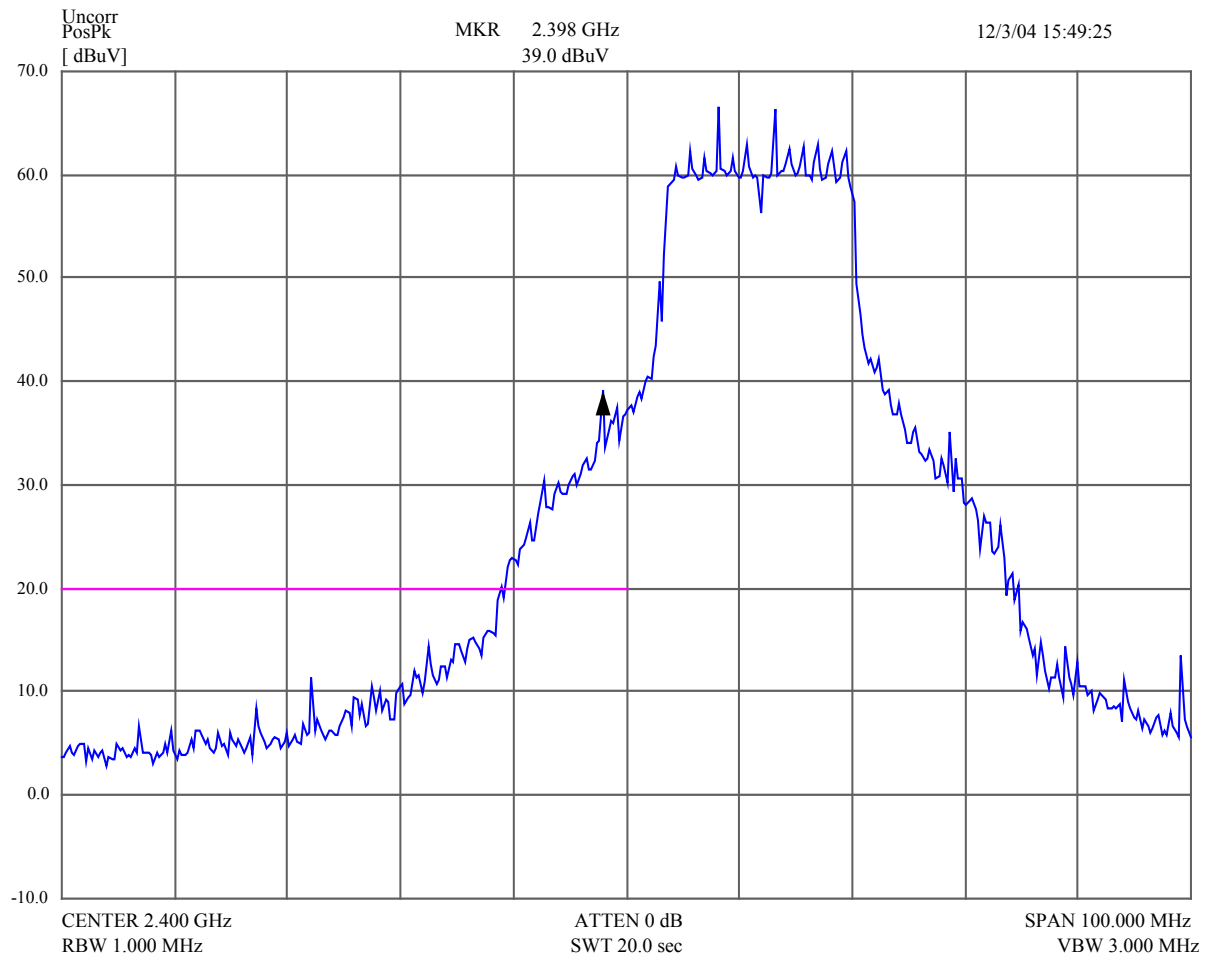
Channel 1
Data rate: 1Mbps
MaxPeak before correction



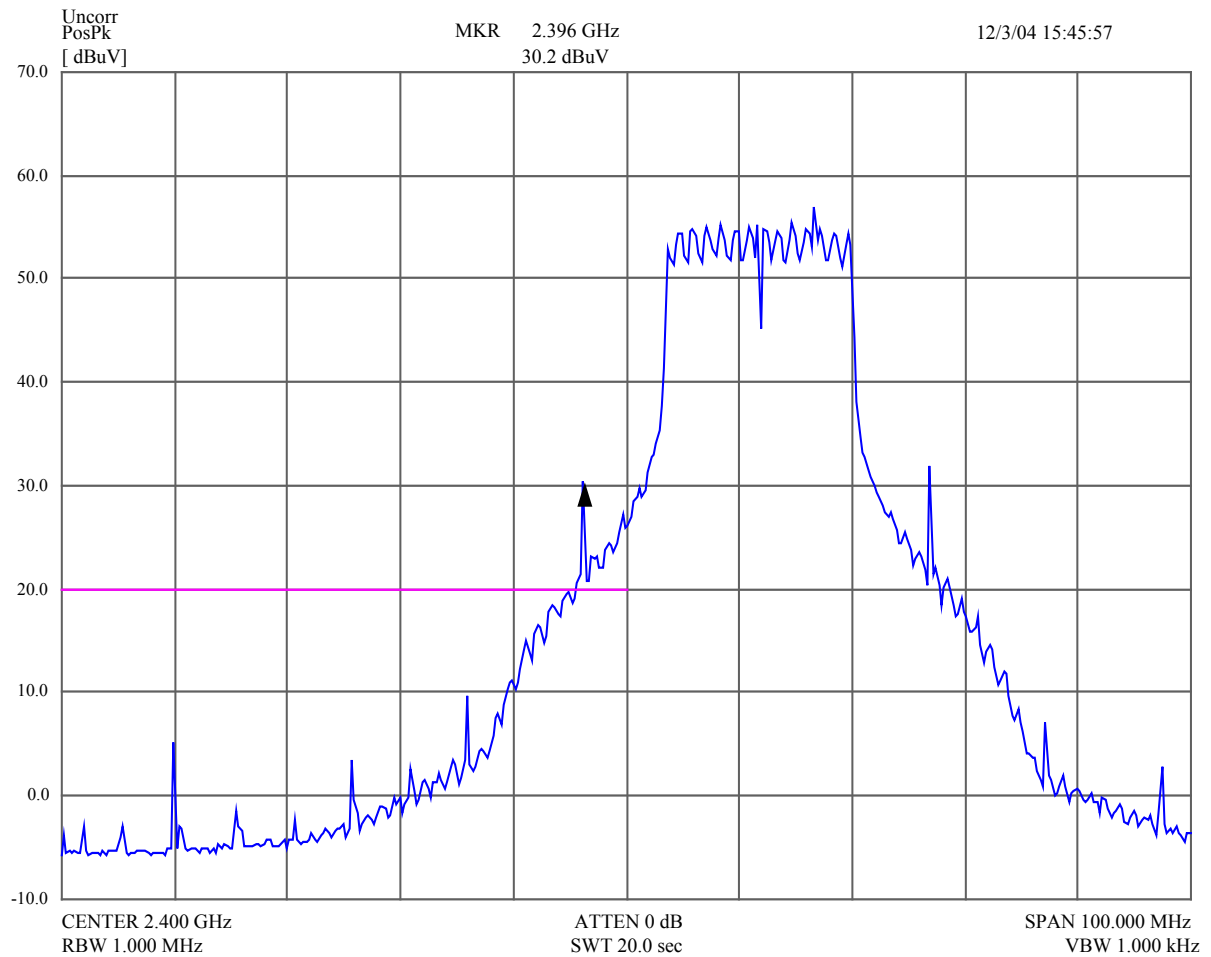
Channel 1
Data rate: 1Mbps
Average before correction



Channel 1
Data rate: 6Mbps
MaxPeak before correction



Channel 1
Data rate: 6Mbps
Average before correction



4.7.7 TEST RESULTS (B)

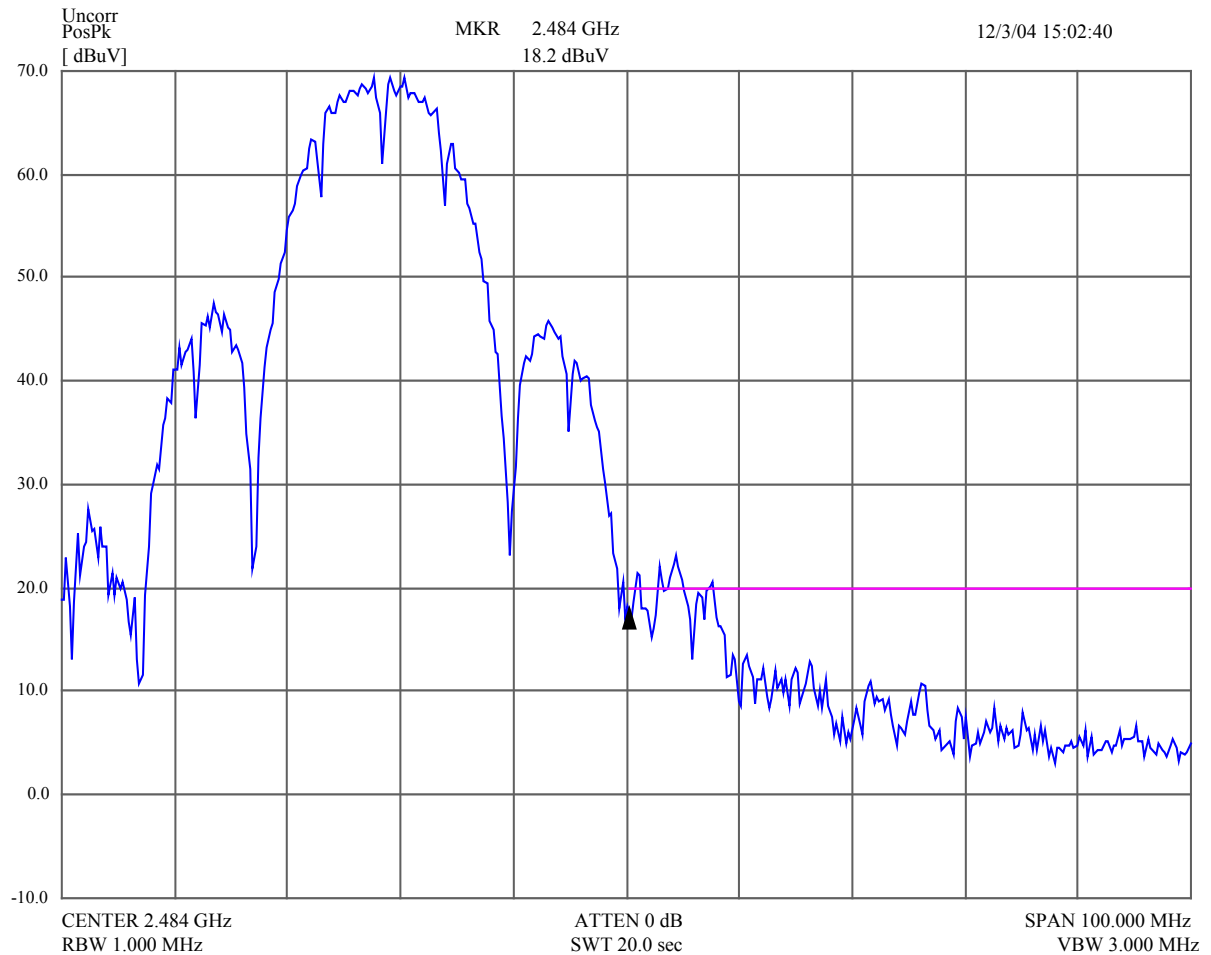
EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
MODE	Channel 11(1Mbps, 6Mbps), w/antenna module	FREQUENCY RANGE	2434-2534MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (P) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 40%RH	TESTED BY: Sandra Sohn	

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	2484	52.1	74(P)	-22	1	10	18.2	33.9
1	2484	43.5	54(AV)	-10.5	1	10	9.6	33.9
2	2484	60.6	74(P)	-13.4	1	10	26.7	33.9
2	2484	48.5	54(AV)	-5.5	1	10	14.6	33.9

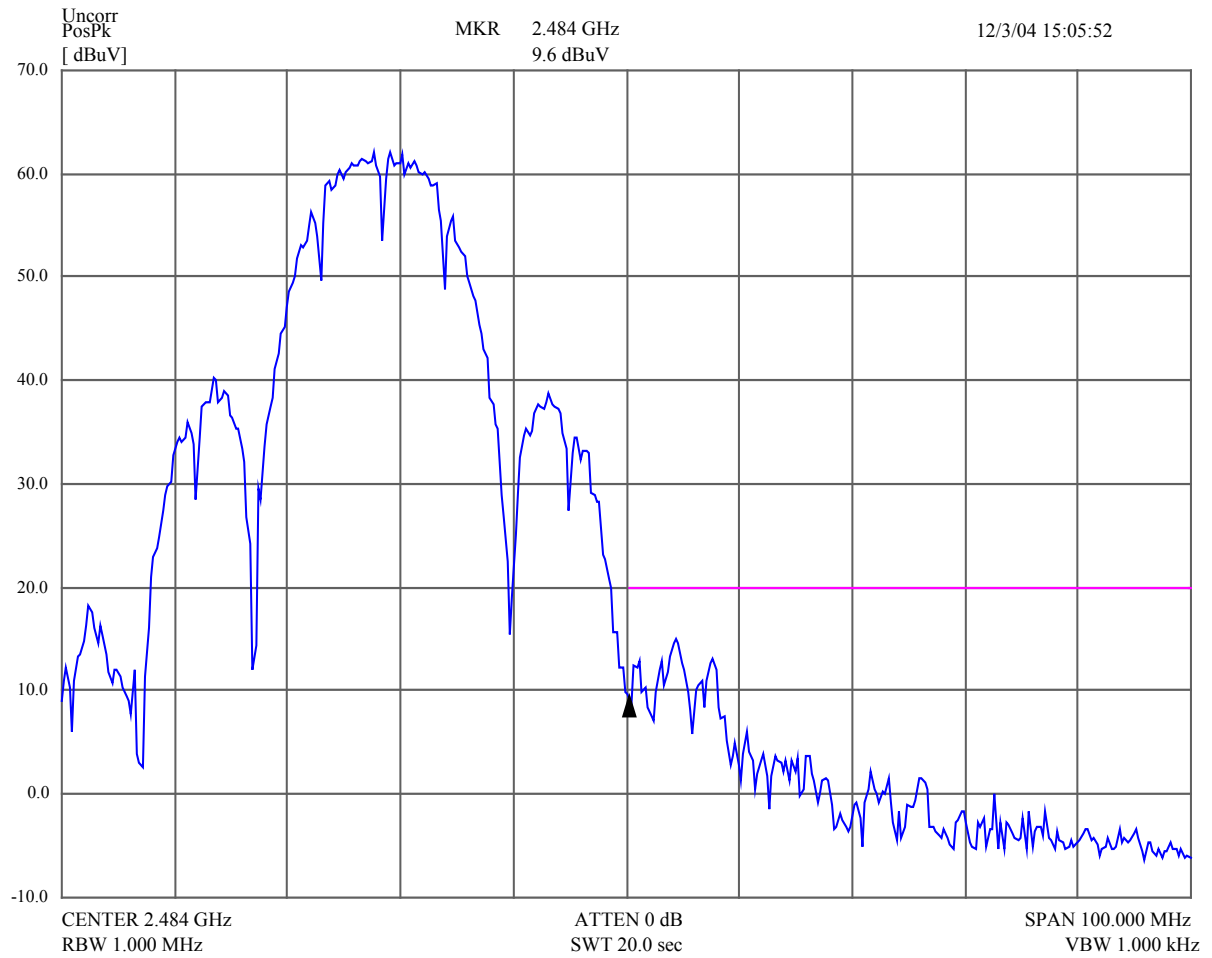
REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna 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. The limit value is defined as per 15.205
6. No.1 are for data rate 1Mbps, No. 2 are for data rate 6Mbps.

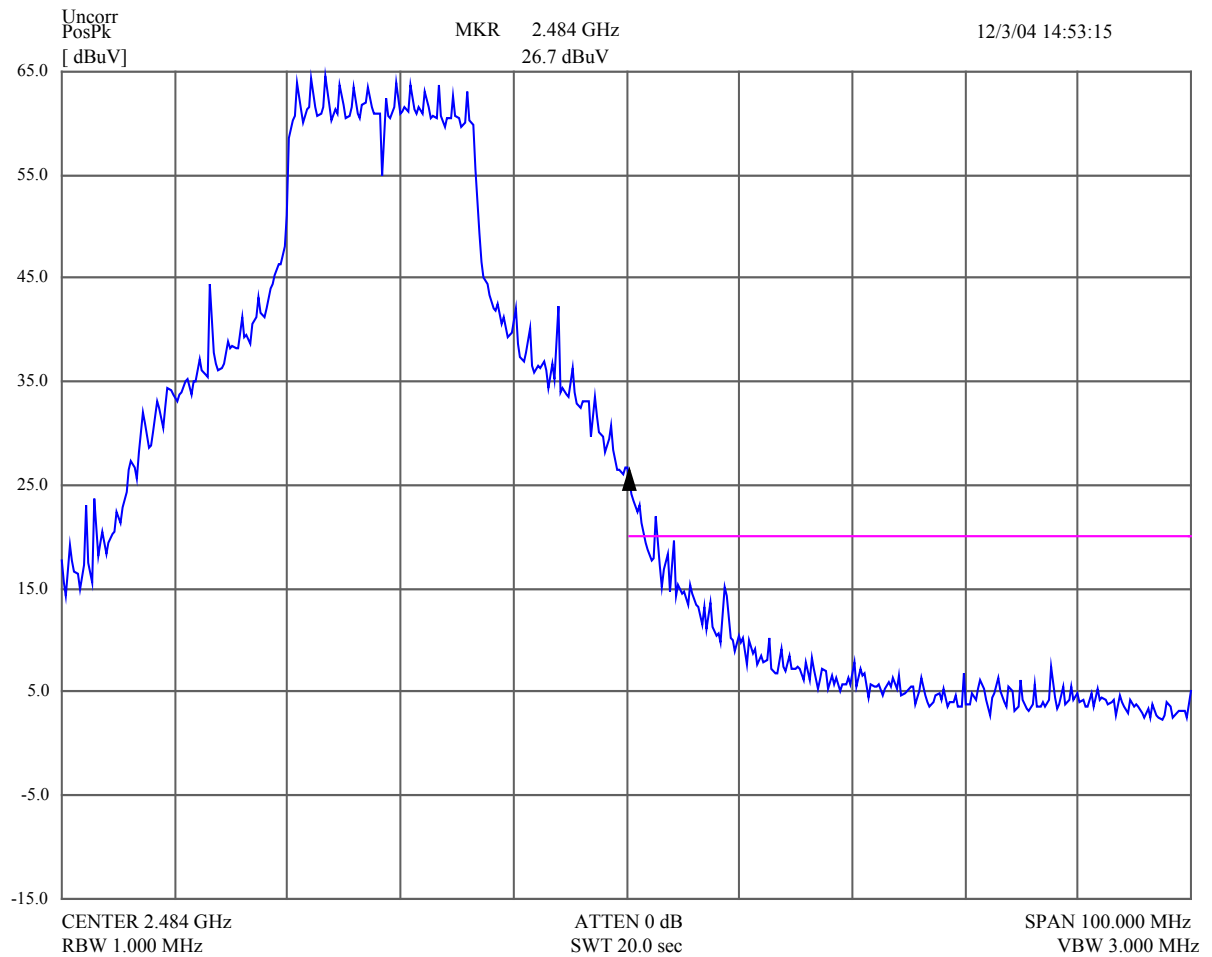
Channel 11
Data rate: 1Mbps
MaxPeak before correction



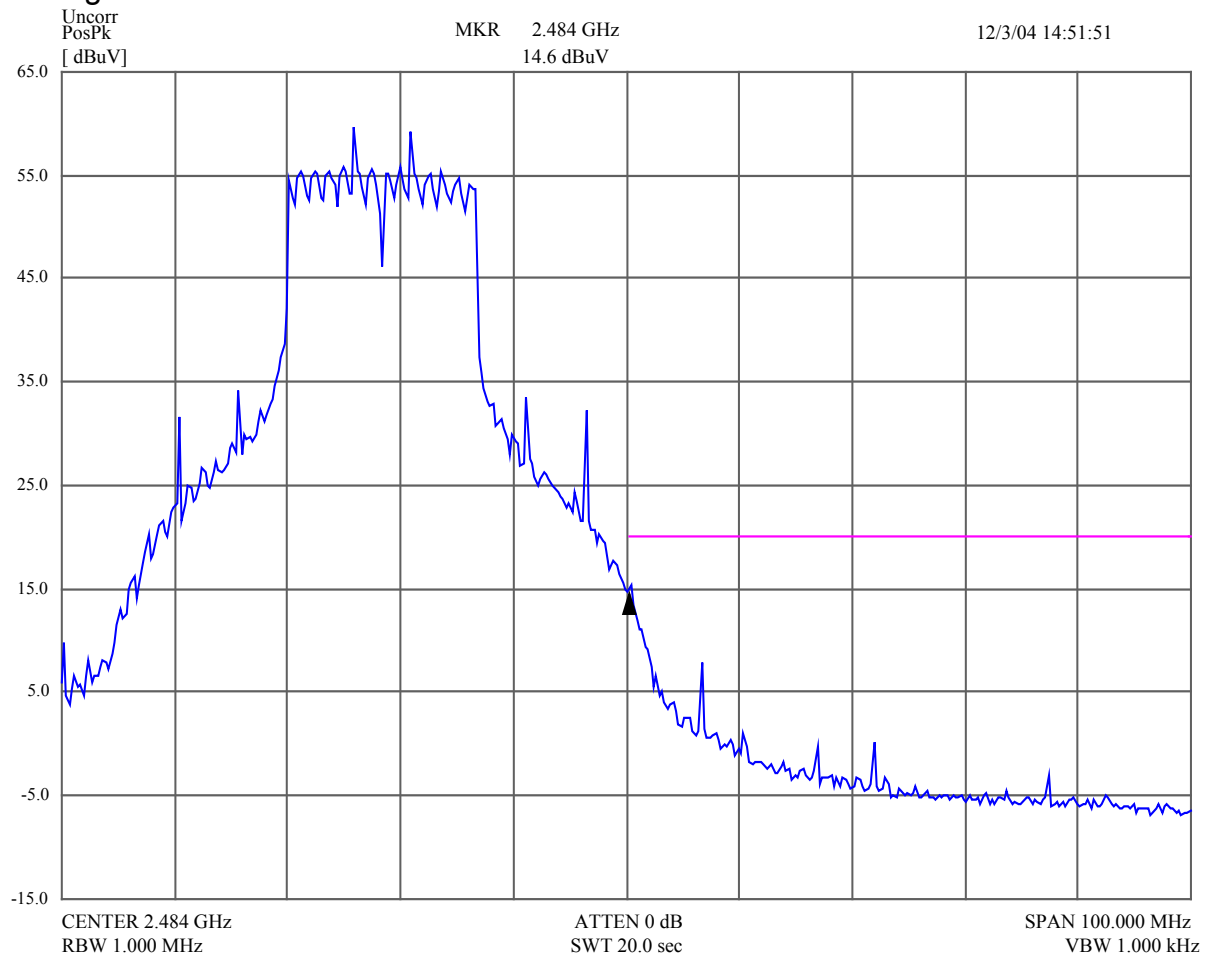
Channel 11
Data rate: 1Mbps
Average before correctino



Channel 11
Data rate: 6Mbps
MaxPeak before correction



Channel 11
Data rate: 6Mbps
Average before correction



4.7.8 TEST RESULTS (C)

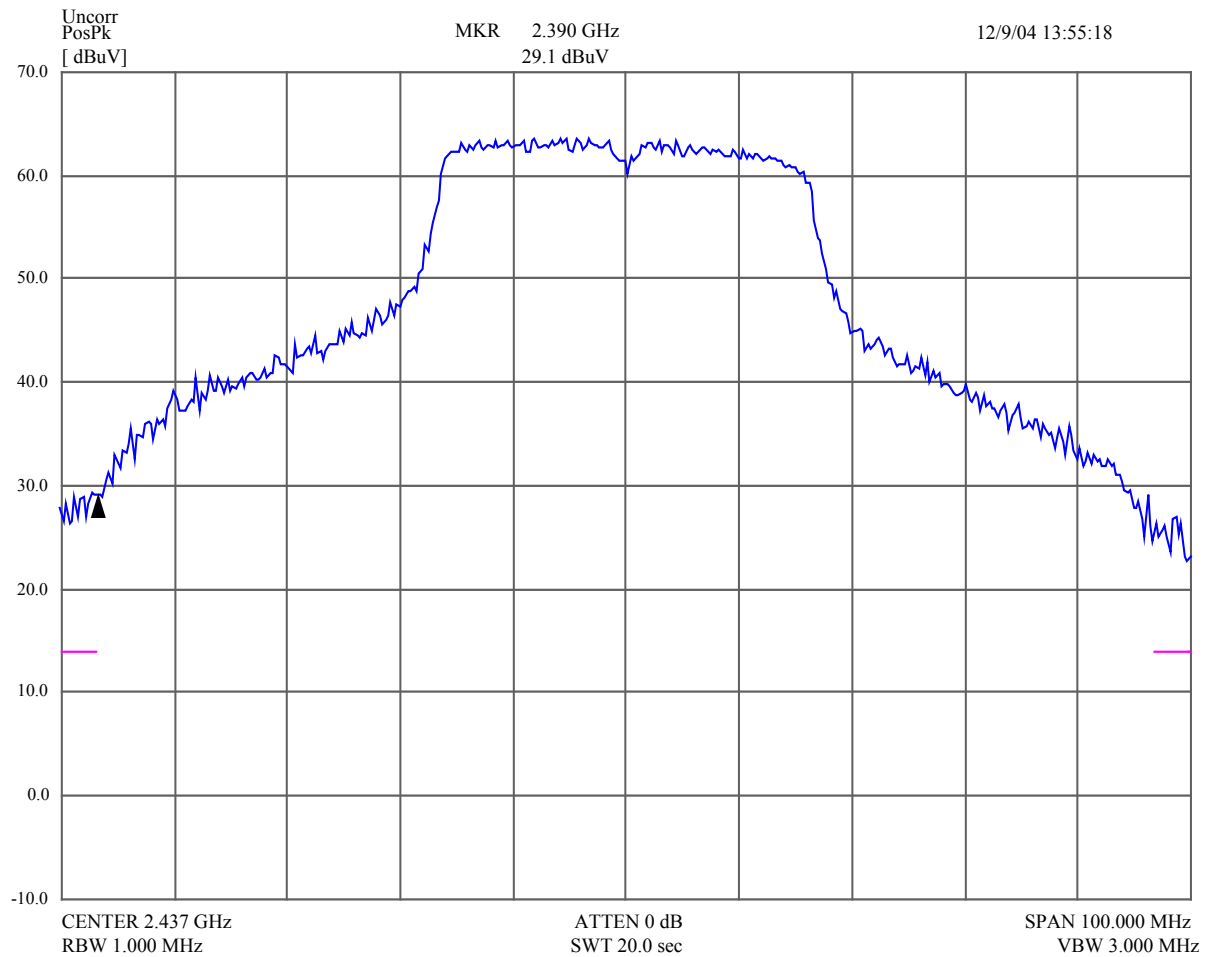
EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
MODE	Channel 6(turbo mode), w/antenna module	FREQUENCY RANGE	2390-2484MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (P) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 40%RH	TESTED BY: Sandra Sohn	

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	69.0	74(P)	-5.0	1	22	29.1	39.9
1*	2390	52.3	54(AV)	-1.7	1	22	12.4	39.9
2*	2484	68.0	74(P)	-6.0	1	22	28.1	39.9
2*	2484	49.9	54(AV)	-4.1	1	22	10	39.9

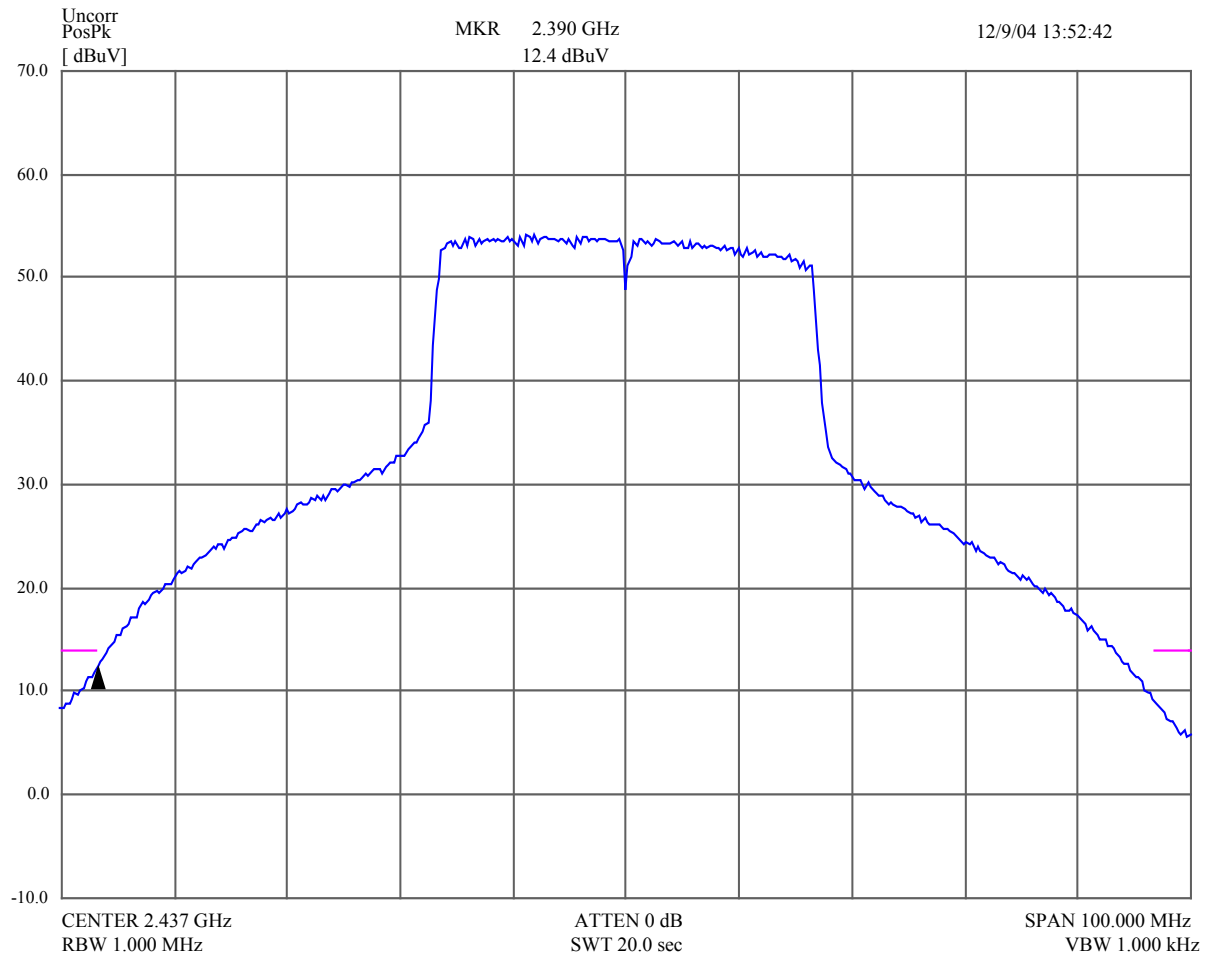
REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) + *External Attenuator (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. The limit value is defined as per 15.205
6. *External Attenuator is used.

Channel 6
Turbo mode (date rate: 12Mbps)
MaxPeak before correction



Channel 6
Turbo mode (data rate: 12Mbps)
Average before correction



4.7.9 TEST RESULTS (D)

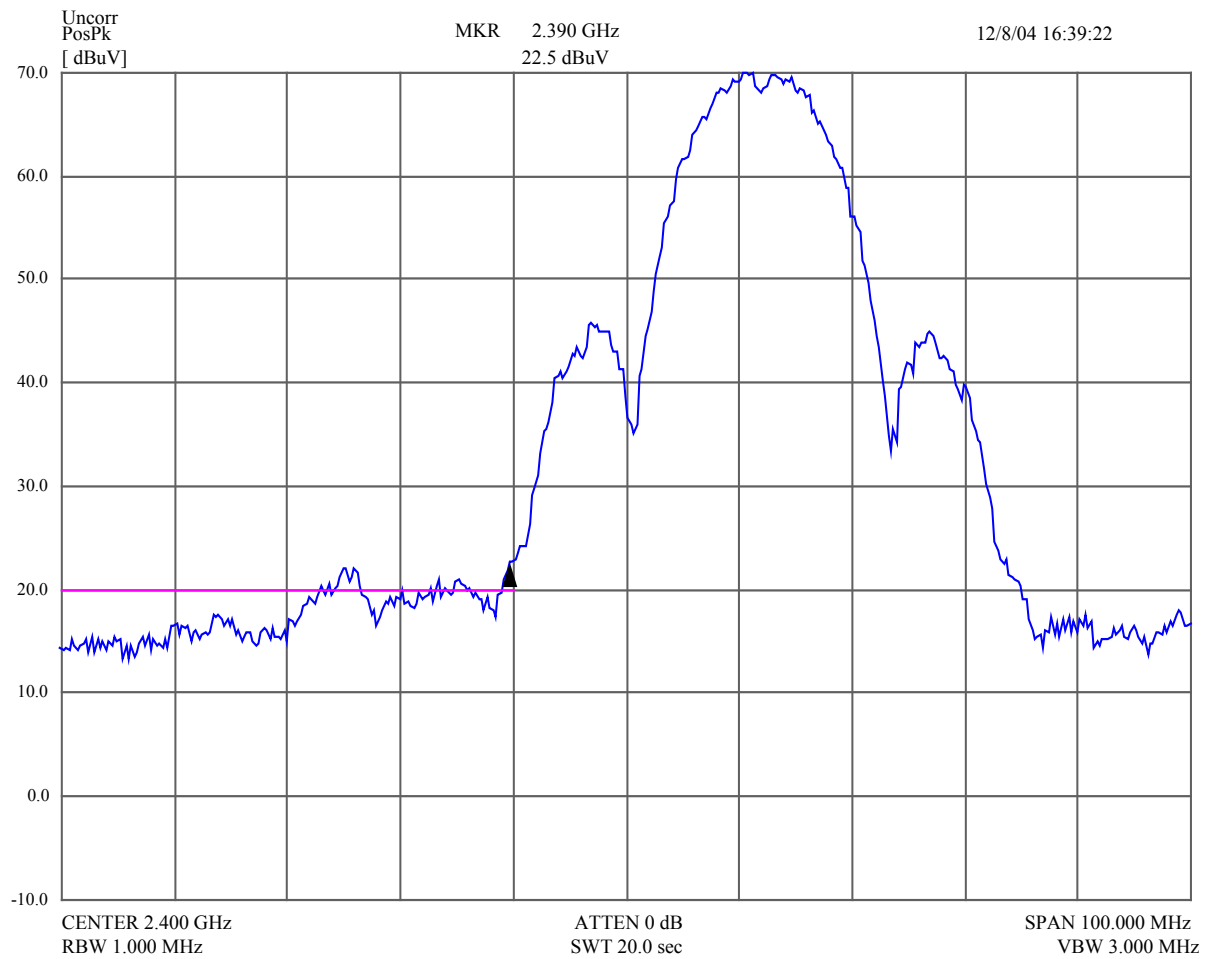
EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
MODE	Channel 1 (1Mbps, 6Mbps), w/external antenna	FREQUENCY RANGE	2350-2450MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (P) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 40%RH	TESTED BY: Sandra Sohn	

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	56.4	74(P)	-17.6	1	24	22.5	33.9
1	2390	49.2	54(AV)	-4.8	1	24	15.3	33.9
2	2390	70.3	74(P)	-3.7	1	24	36.4	33.9
2	2390	48.4	54(AV)	-5.6	1	24	14.5	33.9

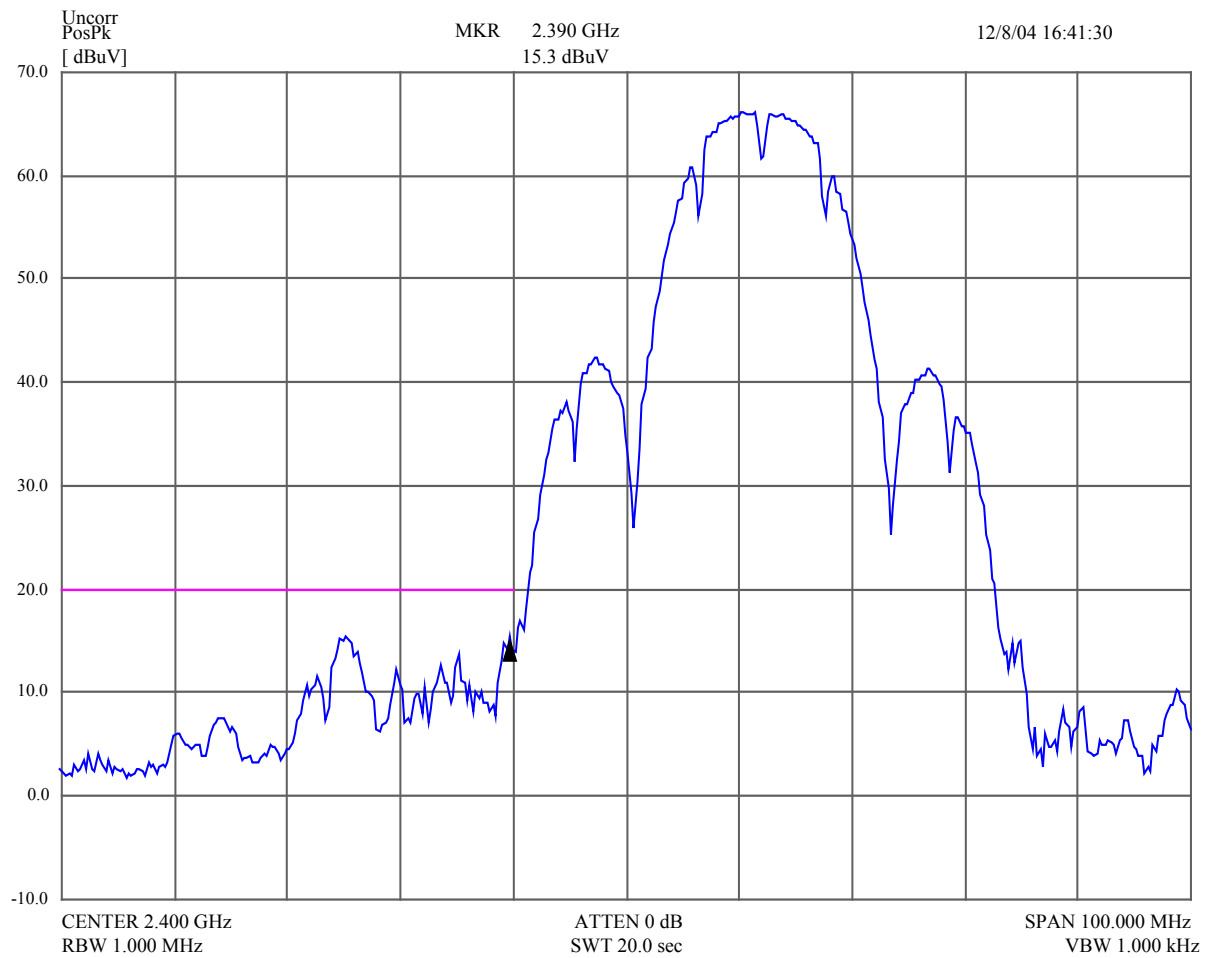
REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna 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. The limit value is defined as per 15.205
6. No.1 are for data rate 1Mbps, No.2 are for data rate 6Mbps.

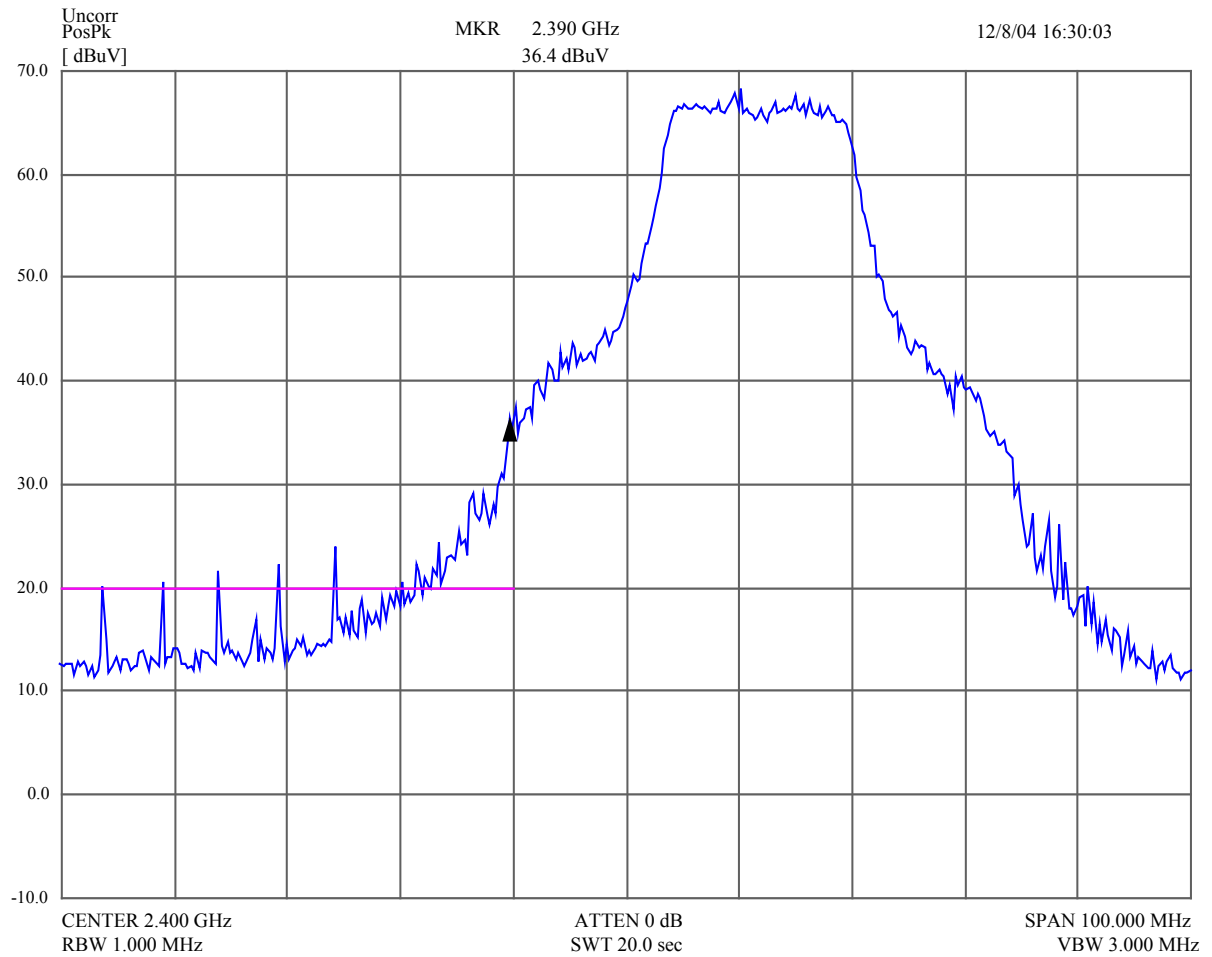
Channel 1
Data Rate: 1Mbps
MaxPeak before correction



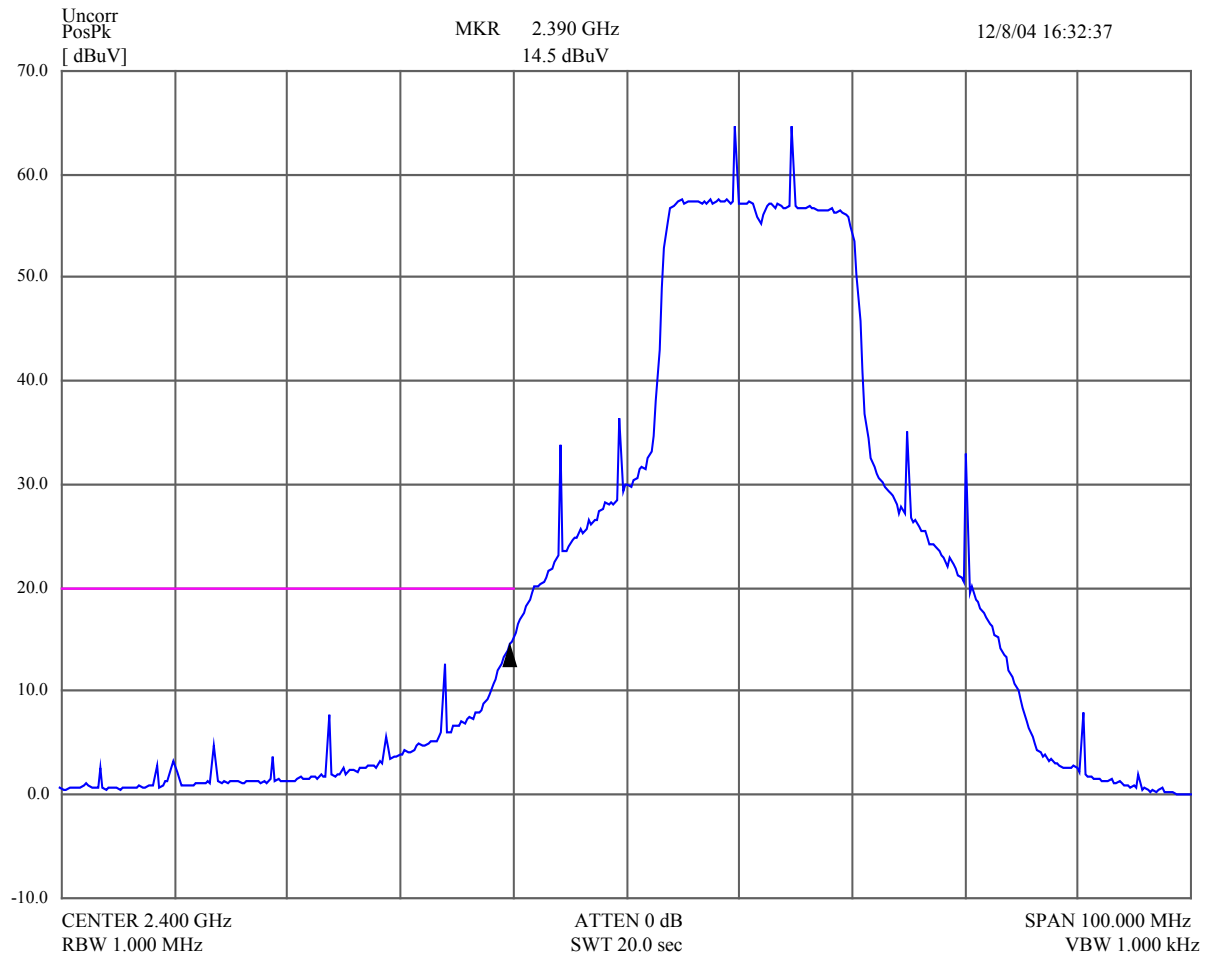
Channel 1
Data Rate: 1Mbps
Average before correction



Channel 1
Data Rate: 6Mbps
Peak



Channel 1
Data Rate: 6Mbps
Average before correction



4.7.10 TEST RESULTS (E)

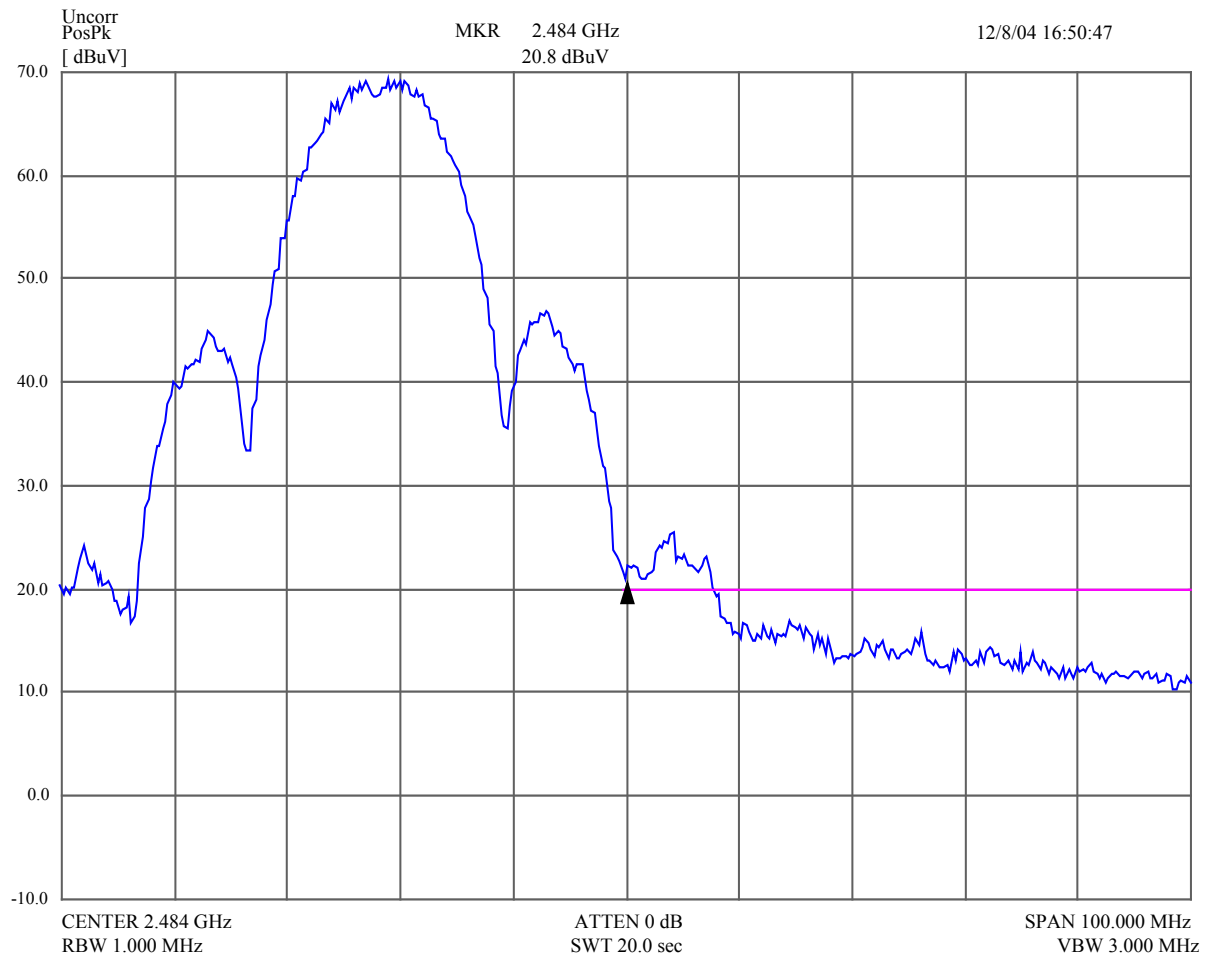
EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
MODE	Channel 11 (1Mbps, 6Mbps), w/external antenna	FREQUENCY RANGE	2434-2534MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (P) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 40%RH	TESTED BY: Sandra Sohn	

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	2484	54.7	74(P)	-19.3	1	10	20.8	33.9
1	2484	47.1	54(AV)	-6.9	1	10	13.2	33.9
2	2484	70.5	74(P)	-3.5	1	10	36.6	33.9
2	2484	52.4	54(AV)	-1.6	1	10	18.5	33.9

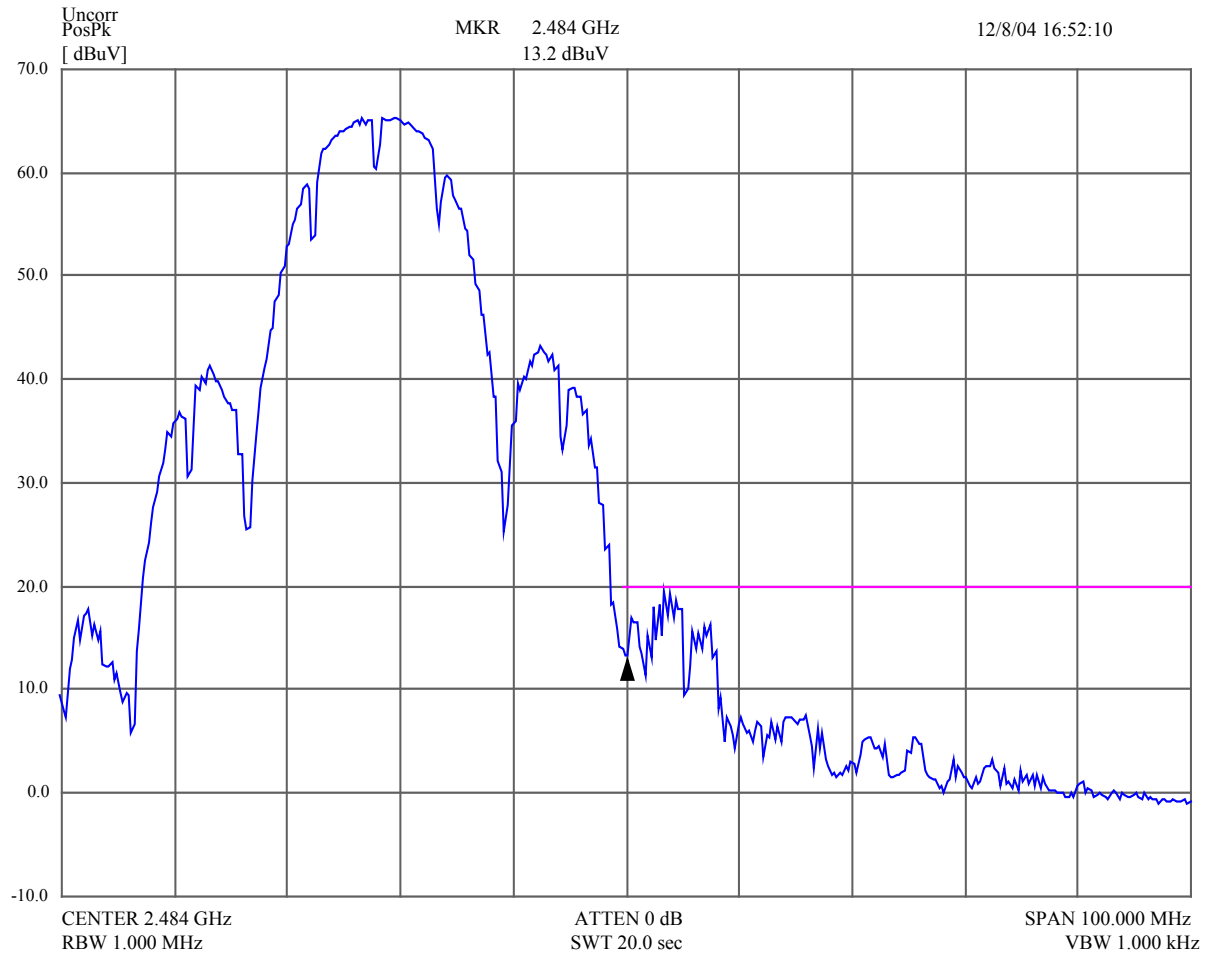
REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna 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. The limit value is defined as per 15.205
6. No.1 are for data rate 1Mbps, No.2 are for data rate 6Mbps.

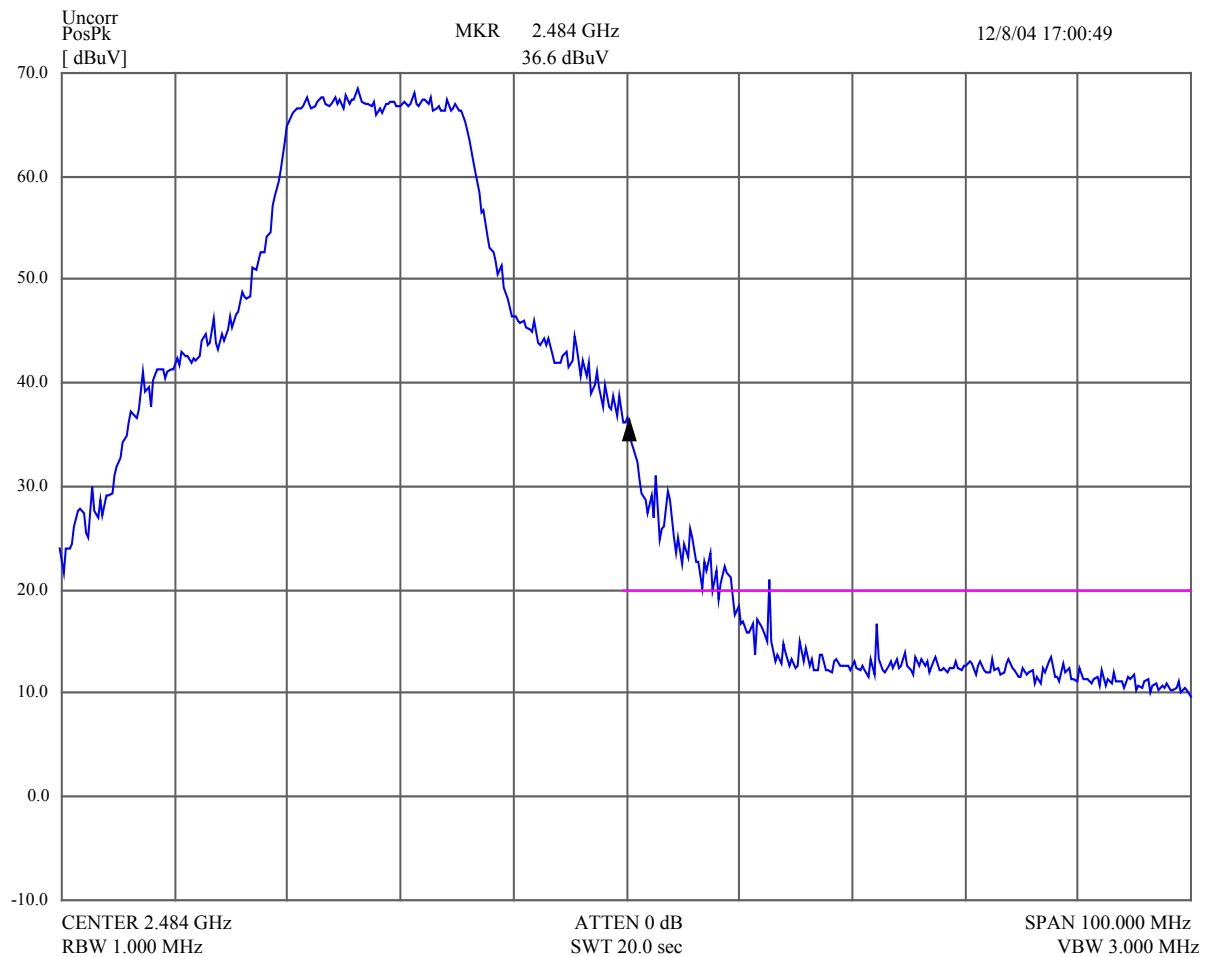
Channel 11
Data rate: 1Mbps
MaxPeak before correction



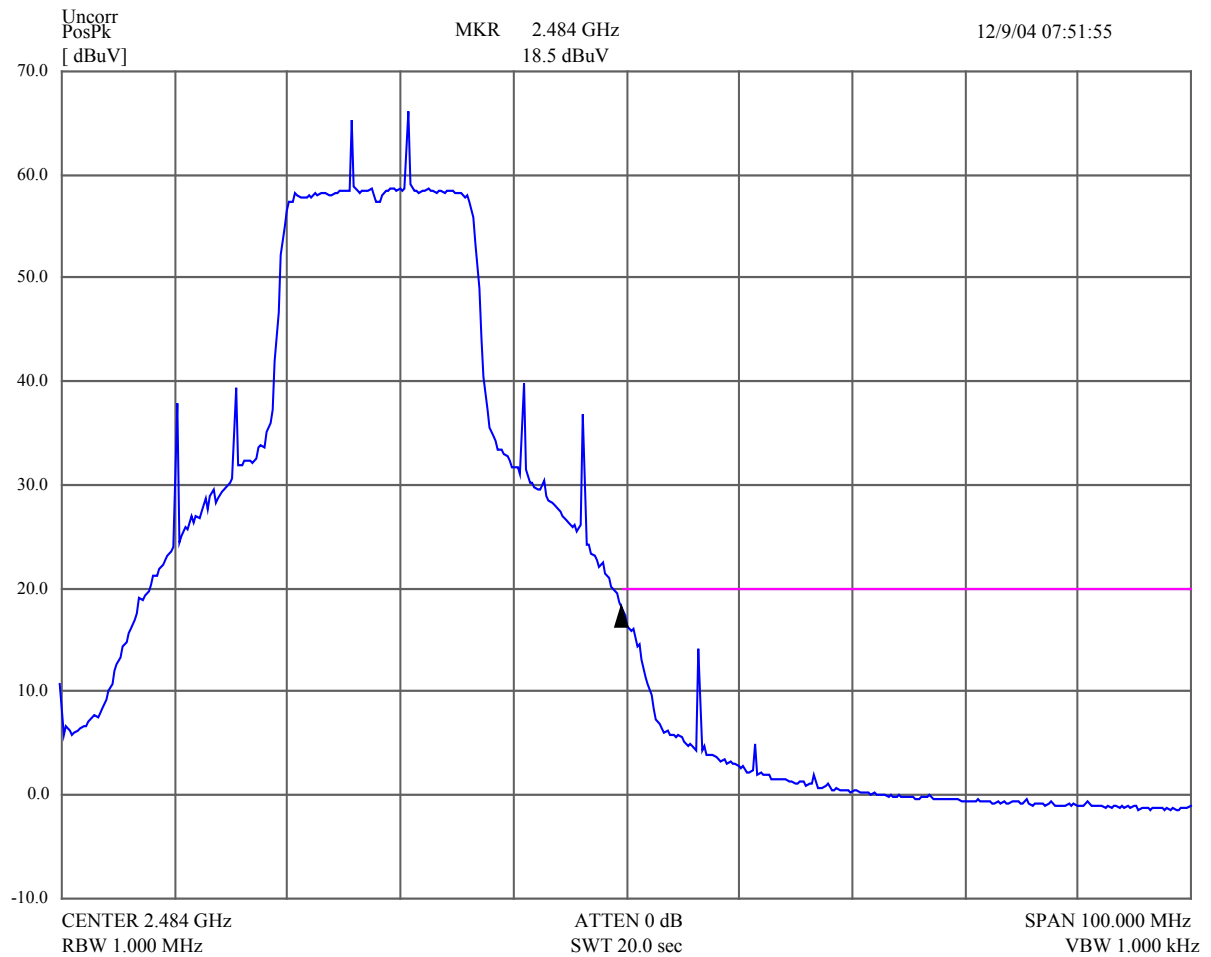
Channel 11
Data rate: 1Mbps
Average before correction



Channel 11
Data rate: 6Mbps
MaxPeak before correction



Channel 11
Data rate: 6Mbps
Average before correction



4.7.11 TEST RESULTS (F)

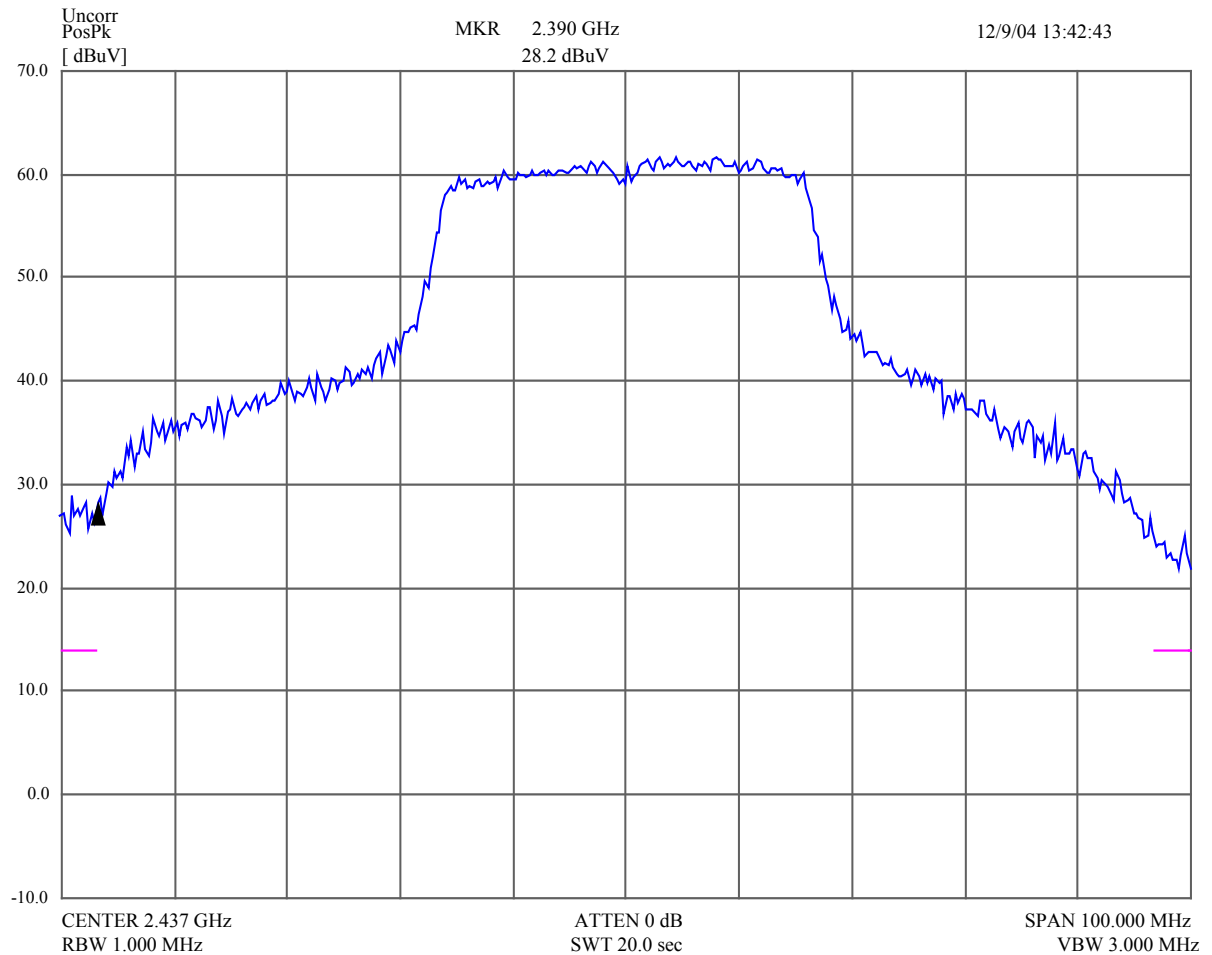
EUT	IEEE 802.11 A/B/G WIRELESS ACCESS POINT	MODEL	ACCESS / ONE NETWORK: WM11Ae, WM11Ge
MODE	Channel 6 (turbo mode), w/external antenna	FREQUENCY RANGE	2390-2484MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (P) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 40%RH	TESTED BY: Sandra Sohn	

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	68.1	74(P)	-5.9	1	24	28.2	39.9
1*	2390	50.7	54(AV)	-3.3	1	24	10.8	39.9
2*	2484	64.9	74(P)	-9.1	1	24	25.0	39.9
2*	2484	47.9	54(AV)	-6.1	1	24	8.0	39.9

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) + *External Attenuator (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. The limit value is defined as per 15.205
6. *External Attenuator is used.

Channel 6
Turbo mode (data rate: 12Mbps)
MaxPeak before correction



Channel 6
Turbo mode (data rate: 12Mbps)
Average before correction

