Operation Mode: Tx / IEEE 802.11a mode / CH High Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
10620.67	V	43.87	35.68	2.4	46.27	38.08	74	54	-15.92	AVG
N/A										
10611.33	Н	40.11	34.52	2.4	42.51	36.92	74	54	-17.08	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

Page 201 Rev. 00

Operation Mode: TX / draft 802.11n Standard-20 MHz Channel

mode / CH Low

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
10520.67	V	45.45	37.17	2.4	47.85	39.57	74	54	-14.43	AVG
N/A										
10522.67	Н	41.47	35.22	2.4	43.87	37.62	74	54	-16.38	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

Page 202 Rev. 00

Operation Mode: TX / draft 802.11n Standard-20 MHz Channel

mode / CH Mid

Tested by: Steven Young

Test Date: December 9, 2008

Temperature: 25°C

Humidity:

55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
10610.67	V	47.54	36.41	2.4	49.94	38.81	74	54	-15.19	AVG
N/A										
10610.89	Н	46.87	36.2	2.4	49.27	38.6	74	54	-15.4	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

Page 203 Rev. 00

Operation Mode: TX / draft 802.11n Standard-20 MHz Channel

mode / CH High

25°C Tested by: Steven Young

Test Date: December 9, 2008

Humidity: 55 % RH Polarity: Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
10615.33	V	48.64	38.14	2.4	51.04	40.54	74	54	-13.46	AVG
N/A										
10618.47	Н	44.54	35.67	2.4	46.94	38.07	74	54	-15.93	AVG
N/A										

Remark:

Temperature:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

Page 204 Rev. 00

TX / draft 802.11n Wide-40 MHz Channel mode

Operation Mode: 11X / draft 802:1111 Wide-40 WITZ Chainlet mode Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
10534.24	V	42.35	35.14	2.4	44.75	37.54	74	54	-16.46	AVG
N/A										
10544.33	Н	40.36	34.85	2.4	42.76	37.25	74	54	-16.75	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: TX / draft 802.11n Wide-40 MHz Channel mode

/ CH High

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
10630.33	V	43.47	36.67	2.4	45.87	39.07	74	54	-14.93	AVG
N/A										
10637.90	Н	41.65	34.84	2.4	44.05	37.24	74	54	-16.76	AVG
N/A		41.03	34.04	2.4	44.03	31.24	7-7	34	10.70	

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

Page 206 Rev. 00

5470~5725MHz Above 1 GHz

Operation Mode: Tx / IEEE 802.11a mode / CH Low Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
11000.67	V	43.98	38.12	2.4	46.38	40.52	74	54	-13.48	AVG
N/A										
10998.33	Н	39.48	37.94	2.4	41.88	40.34	74	54	-13.66	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: Tx / IEEE 802.11a mode / CH Mid Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
11210.67	V	44.87	39.47	3.56	48.43	43.03	74	54	-10.97	AVG
N/A										
11198.67	Н	42.61	35.84	3.56	46.17	39.40	74	54	-14.60	AVG
N/A		12.01	22.01	3.50	10.17	27.10	, .	3.	11.00	11, 0

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: Tx / IEEE 802.11a mode / CH High Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
11350.67	V	44.95	36.97	3.56	48.51	40.53	74	54	-13.47	AVG
N/A										
11410.33	Н	40.25	35.14	3.56	43.81	38.7	74	54	-15.3	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: TX / draft 802.11n Standard-20 MHz Channel

mode / CH Low

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
10990.67	V	46.05	37.31	2.4	48.45	39.71	74	54	-14.29	AVG
N/A										
11010.67	Н	41.35	34.14	2.4	43.75	36.54	74	54	-17.46	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: TX / draft 802.11n Standard-20 MHz Channel

mode / CH Mid

25°C Tested by: Steven Young

Test Date: December 9, 2008

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
11189.67	V	48.57	37.69	3.56	52.13	41.25	74	54	-12.75	AVG
N/A										
11197.67	Н	47.84	37.01	3.56	51.4	40.57	74	54	-13.43	AVG

Remark:

Temperature:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: TX / draft 802.11n Standard-20 MHz Channel

mode / CH High

25°C

Tested by: Steven Young

Test Date: December 9, 2008

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
11450.33	V	49.14	38.57	3.56	52.7	42.13	74	54	-11.87	AVG
N/A										
11446.67	Н	48.57	37.55	3.56	52.13	41.11	74	54	-12.89	AVG

Remark:

Temperature:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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TX / draft 802.11n Wide-40 MHz Channel mode **Operation Mode:**

Test Date: December 9, 2008 / CH Low

25°C Tested by: Steven Young **Temperature:**

55 % RH **Humidity: Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
11020.33	V	42.65	35.67	2.4	45.05	38.07	74	54	-15.93	AVG
N/A										
11015.77	Н	41.69	34.98	2.4	44.09	37.38	74	54	-16.62	AVG

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

Page 213 Rev. 00

Operation Mode: TX / draft 802.11n Wide-40 MHz Channel mode

/ CH Mid

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
11185.33	V	44.58	37.61	2.4	46.98	40.01	74	54	-13.99	AVG
N/A										
11180.67	Н	42.68	35.47	2.4	45.08	37.87	74	54	-16.13	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

Page 214 Rev. 00

Operation Mode: TX / draft 802.11n Wide-40 MHz Channel mode

/ CH High

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
11345.33	V	44.27	36.84	2.4	46.67	39.24	74	54	-14.76	AVG
N/A										
11050 65	***									ATTC
11350.67	Н	41.85	35.11	2.4	44.25	37.51	74	54	-16.49	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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5150~5250MHz <u>Above 1 GHz</u>

Operation Mode: Rx / IEEE 802.11a mode / CH Low Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
2050. 11	V	40. 25	35. 81	3. 31	43.56	39.12	74.00	54.00	-14.88	AVG
N/A										
2046.67	Н	41. 15	38. 22	3. 31	44. 46	41.53	74.00	54.00	-12.47	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: Rx / IEEE 802.11a mode / CH Mid Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1923.33	V	39.78	38.56	2.39	42. 17	40.95	74.00	54.00	-13.05	AVG
N/A										
1893.33	Н	39.63	33.62	2.24	41.87	35.86	74.00	54.00	-18.14	AVG
N/A	11	00.03	00.02	2.27	11.07	00.00	7 1.00	31.00	10.11	717 0
14/74										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: Rx / IEEE 802.11a mode / CH High Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1733.33	V	40.90	35.42	1.26	42. 16	36.68	74.00	54.00	-17.32	AVG
N/A										
1710.00	Н	41.35	36.18	1.19	42.54	37.37	74.00	54.00	-16.63	AVG
N/A		11.33	00.10	1.17	12.31	01.37	7 1.00	2 1.00	10.05	717 0
1,711										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: RX / draft 802.11n Standard-20 MHz Channel

mode / CH Low

Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
2011.36	V	42.69	35.87	2.4	45.09	38.27	74	54	-15.73	AVG
N/A										
2015.69	Н	40.36	34.47	2.4	42.76	36.87	74	54	-17.13	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: RX / draft 802.11n Standard-20 MHz Channel

mode / CH Mid

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1986.25	V	43.69	36.84	2.4	46.09	39.24	74	54	-14.76	AVG
N/A										
1996.36	Н	41.25	35.87	2.4	43.65	38.27	74	54	-15.73	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: RX / draft 802.11n Standard-20 MHz Channel

mode / CH High

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
V	42.96	35.71	2.4	45.36	38.11	74	54	-15.89	AVG
Н	40.36	36.87	2.4	42.76	39.27	74	54	-14.73	AVG
	(H/V) V	Ant. Foi. (Peak) (dBuV) V 42.96	Ant.Pol. (Peak) (Average) (dBuV) V 42.96 35.71	Ant.Pol. (Peak) (Average) (dBuV) (dBuV) V 42.96 35.71 2.4	Ant.Pol. (H/V) (Peak) (Average) (dBuV) (dBuV) (dBuV) (dBuV/m) V 42.96 35.71 2.4 45.36	Ant.Pol. (H/V) (Peak) (Average) (dBuV) (dBuV) (dBm) (dBuV/m) (dBuV/m) (dBuV/m) V 42.96 35.71 2.4 45.36 38.11	Ant.Pol. (H/V) (Peak) (Average) (dBuV) (dBuW) (dBuW/m) (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m)	Ant.Pol. (H/V) (Peak) (Average) (dBuV) (dBm) (Peak) (dBuV/m)	Ant.Pol. (H/V) (BuV) (Average) (BuV) (Average) (BuV/m) (BuV/m) (BuV/m) (BuV/m) (Average) (BuV/m) (BuV/

Remark:

- 1. Meassuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: RX / draft 802.11n Wide-40 MHz Channel mode

/ CH Low

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
2003.25	V	42.36	35.95	2.4	44.76	38.35	74	54	-15.65	AVG
N/A										
		1								1
1986.36	Н	41.25	35.41	2.4	43.65	37.81	74	54	-16.19	1986.36
N/A										

Remark:

- 1. Meassuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: RX / draft 802.11n Wide-40 MHz Channel mode

/ CH High

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
2130.32	V	41.36	34.26	2.4	43.76	36.66	74	54	-17.34	AVG
N/A										
		1								
2135.66	Н	40.36	33.64	2.4	42.76	36.04	74	54	-17.96	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Mrgin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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5250~5350MHz <u>Above 1 GHz</u>

Operation Mode: Rx / IEEE 802.11a mode / CH Low Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1795.36	V	42.63	36.98	2.4	45.03	39.38	74	54	-14.62	AVG
N/A										
1790.367	Н	41.78	35.25	2.4	44.18	37.65	74	54	-16.35	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
 - 6. $Margin(dB) = Remark\ result(dBuV/m) Average\ limit(dBuV/m)$.

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Operation Mode: Rx / IEEE 802.11a mode / CH Mid Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1911.36	V	42.36	35.98	2.4	44.76	38.38	74	54	-15.62	AVG
N/A										
1920.33	Н	41.68	35.71	2.4	44.08	38.11	74	54	-15.89	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Mrgin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: Rx / IEEE 802.11a mode / CH High Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
2015.69	V	43.69	36.98	2.4	46.09	39.38	74	54	-14.62	AVG
N/A										
2019.46	Н	41.69	35.14	2.4	44.09	37.54	74	54	-16.46	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Mrgin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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RX / draft 802.11n Standard-20 MHz Channel **Operation Mode:**

mode / CH Low

Temperature: 25°C Tested by: Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1793.36	V	42.99	35.98	2.4	45.39	38.38	74	54	-15.62	AVG
N/A										
1789.36	Н	41.69	34.58	2.4	44.09	36.98	74	54	-17.02	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: RX / draft 802.11n Standard-20 MHz Channel

mode / CH Mid

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1969.66	V	42.35	35.98	2.4	44.75	38.38	74	54	-15.62	AVG
N/A										
		1						1		
1978.96	Н	40.69	34.87	2.4	43.09	37.27	74	54	-16.73	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 7. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 8. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 9. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: RX / draft 802.11n Standard-20 MHz Channel

mode / CH High

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
2101.68	V	43.39	36.47	2.4	45.79	38.87	74	54	-15.13	AVG
N/A										
2109.66	Н	41.99	35.17	2.4	44.39	37.57	74	54	-16.43	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: RX / draft 802.11n Wide-40 MHz Channel mode Test Date: December 9, 2008

/ CH Low

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1769.66	V	42.69	35.87	2.4	45.09	38.27	74	54	-15.73	AVG
N/A										
		<u> </u>						<u> </u>		
1810.35	Н	42.36	34.96	2.4	44.76	37.36	74	54	-16.64	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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Operation Mode: RX / draft 802.11n Wide-40 MHz Channel mode

/ CH High

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
2136.31	V	42.47	35.21	2.4	44.87	37.61	74	54	-16.39	AVG
N/A										
2206.5	Н	42.36	34.96	2.4	44.76	37.36	74	54	-16.64	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. $Margin(dB) = Remark\ result\ (dBuV/m) Average\ limit\ (dBuV/m)$.

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5470~5725MHz <u>Above 1 GHz</u>

Operation Mode: Rx / IEEE 802.11a mode / CH Low **Test Date:** December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1810.47	V	41.74	35.11	2.4	44.14	37.51	74	54	-16.49	AVG
N/A										
							1	1		
1820.31	Н	41.96	34.41	2.4	44.36	36.81	74	54	-17.19	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: Rx / IEEE 802.11a mode / CH Mid Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1910.36	V	41.21	35.01	2.4	43.61	37.41	74	54	-16.59	AVG
N/A										
1915.24	Н	40.98	33.74	2.4	43.38	36.14	74	54	-17.86	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: Rx / IEEE 802.11a mode / CH High **Test Date:** December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
2230.21	V	42.96	36.74	2.4	45.36	39.14	74	54	-14.86	AVG
N/A										
2254.36	Н	40.25	34.41	2.4	42.65	36.81	74	54	-17.19	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: RX / draft 802.11n Standard-20 MHz Channel

mode / CH Low

Test Date: December 9, 2008

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1806.81	V	42.36	35.14	2.4	44.76	37.54	74	54	-16.46	AVG
N/A										
1821.35	Н	41.62	34.87	2.4	44.02	37.27	74	54	-16.73	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: RX / draft 802.11n Standard-20 MHz Channel

mode / CH Mid

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1950.31	V	42.14	36.74	2.4	44.54	39.14	74	54	-14.86	AVG
N/A										
								1		
1933.74	Н	41.33	34.58	2.4	43.73	36.98	74	54	-17.02	AVG

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: RX / draft 802.11n Standard-20 MHz Channel

mode / CH High

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
2210.74	V	43.68	36.74	2.4	46.08	39.14	74	54	-14.86	AVG
N/A										
2219.66	Н	42.01	35.14	2.4	44.41	37.54	74	54	-16.46	AVG

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: RX / draft 802.11n Wide-40 MHz Channel mode

/ CH Low

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1806.81	V	42.69	36.74	35.74	78.43	72.48	74	54	18.48	AVG
N/A										
1820.45	Н	41.57	34.76	2.4	43.97	37.16	74	54	-16.84	AVG

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: RX / draft 802.11n Wide-40 MHz Channel mode

/ CH Mid

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1968.47	V	42.58	36.42	35.74	78.32	72.16	74	54	18.16	AVG
N/A										
	l .		l .				l .			
1964.14	Н	41.25	34.67	2.4	43.65	37.07	74	54	-16.93	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: RX / draft 802.11n Wide-40 MHz Channel mode

/ CH High

Temperature: 25°C **Tested by:** Steven Young

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
2196.38	V	42.35	35.74	35.74	78.09	71.48	74	54	17.48	AVG
N/A										
2189.36	Н	41.01	33.97	2.4	43.41	36.37	74	54	-17.63	AVG
N/A										

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m)

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CONDUCTED UNDESIRABLE EMISSION

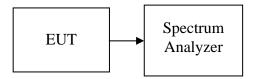
LIMIT

According to 15.407(b),

- (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.
- (3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

The provisions of §15.205 apply to intentional radiators operating under this section.

Test Configuration



TEST PROCEDURE

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1 MHz. The video bandwidth is set to 1 MHz. Peak detection measurements are compared to the average EIRP limit, adjusted for the maximum antenna gain. If necessary, additional average detection measurements are made.

Measurements are made over the 30 MHz to 40 GHz range with the transmitter set to the lowest, middle, and highest channels.

TEST RESULTS

No non-compliance noted

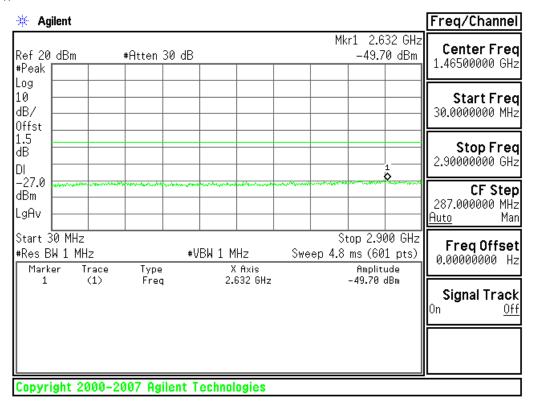
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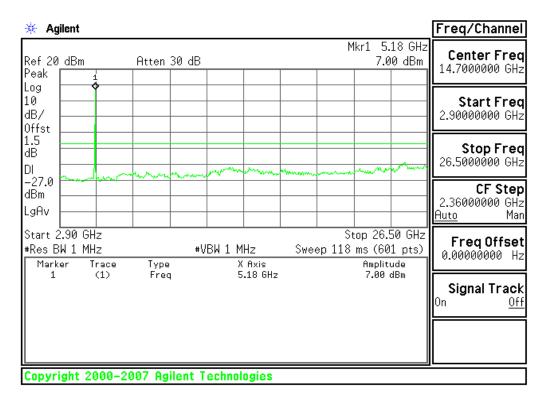
Test Plot

Test mode: IEEE 802.11a mode:

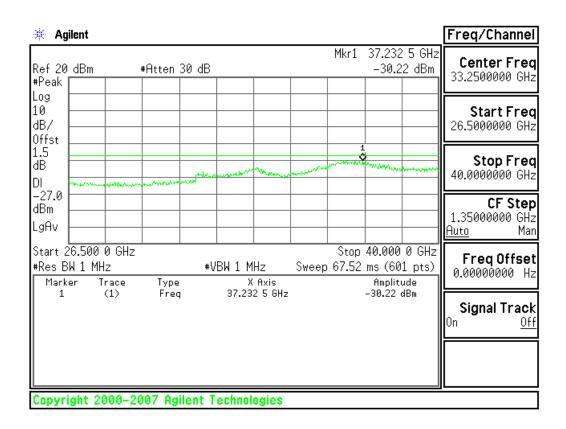
5150~5250MHz

CH Low

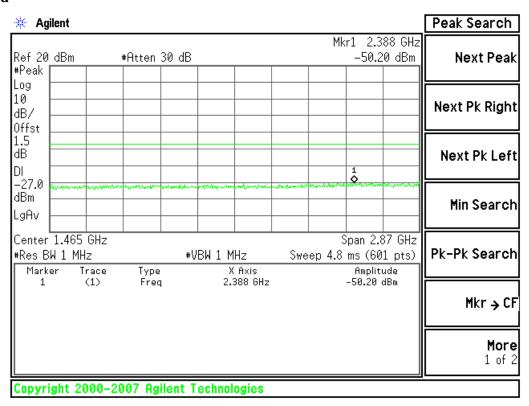




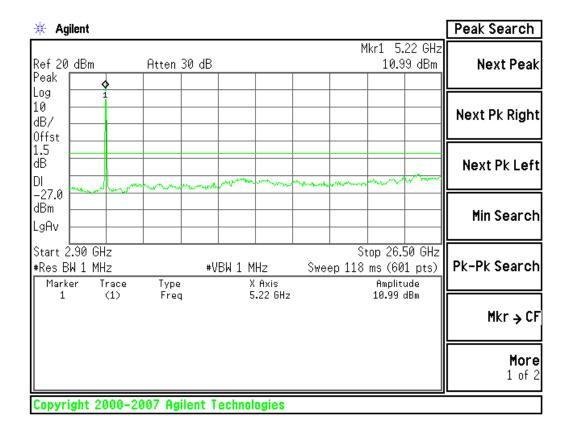
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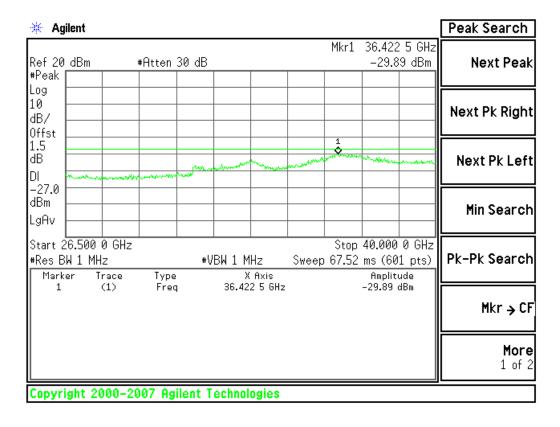


CH Mid



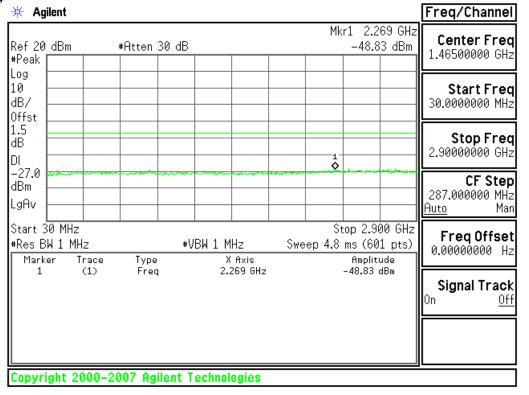
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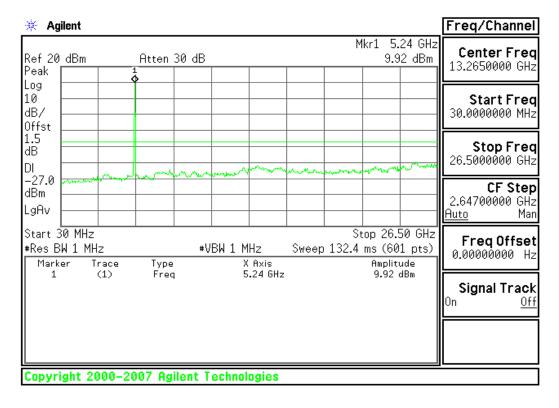




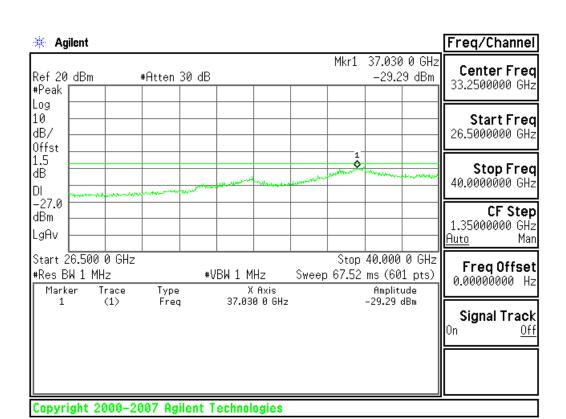
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CH High



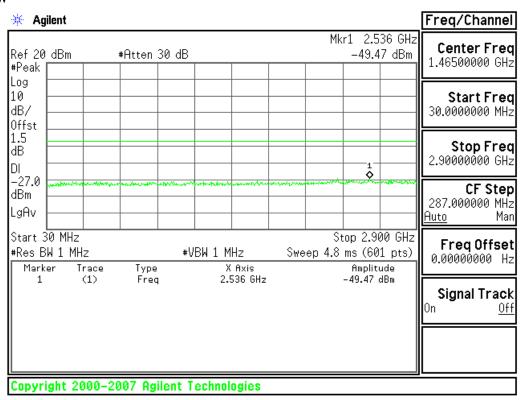


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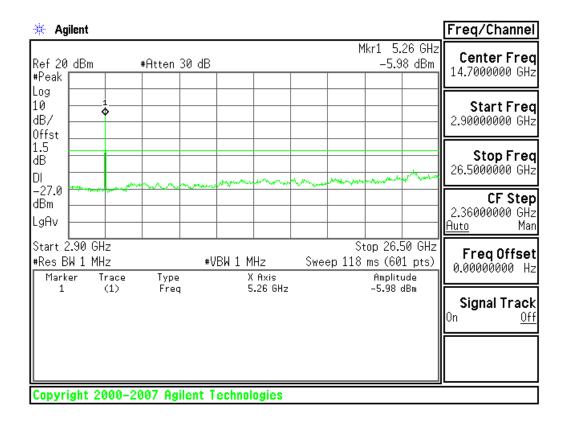


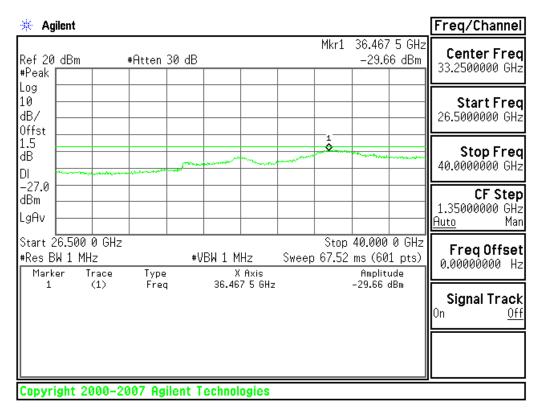
5250~5350MHz

CH Low



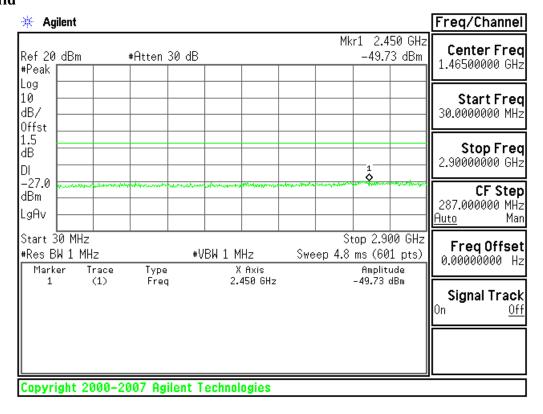
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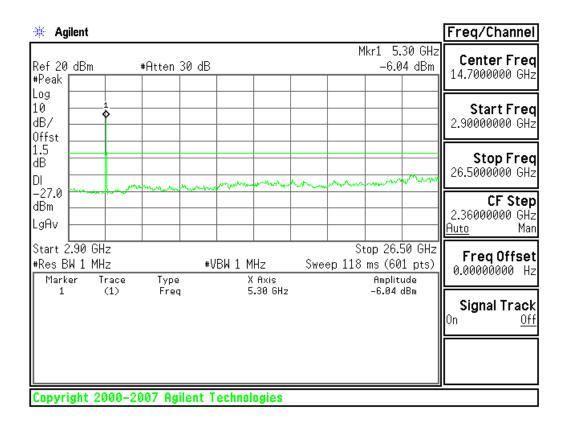




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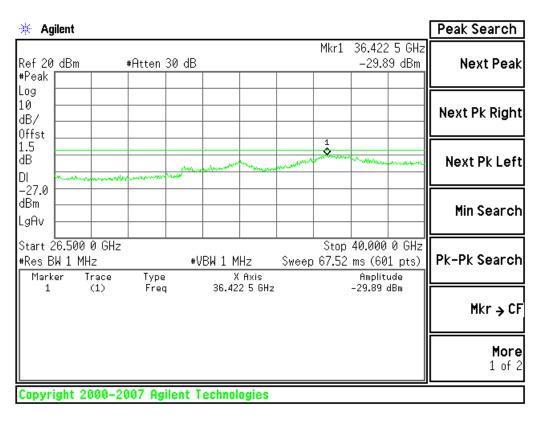
CH Mid



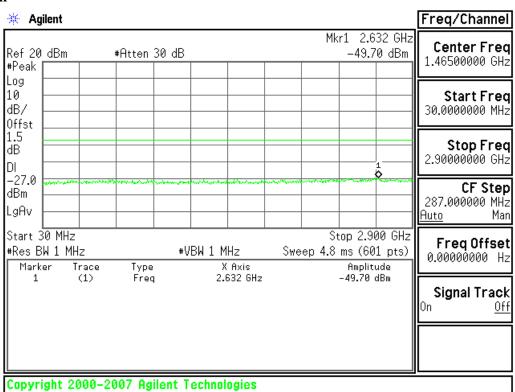


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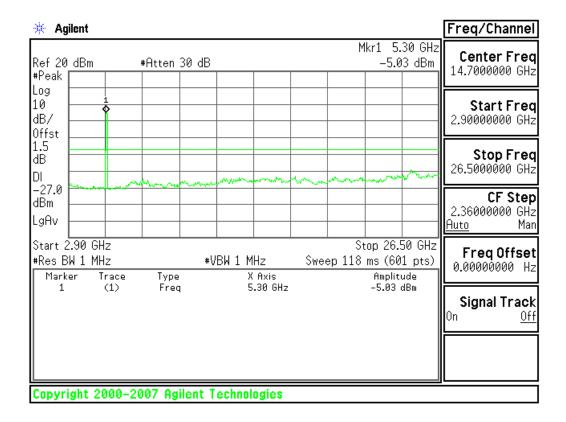


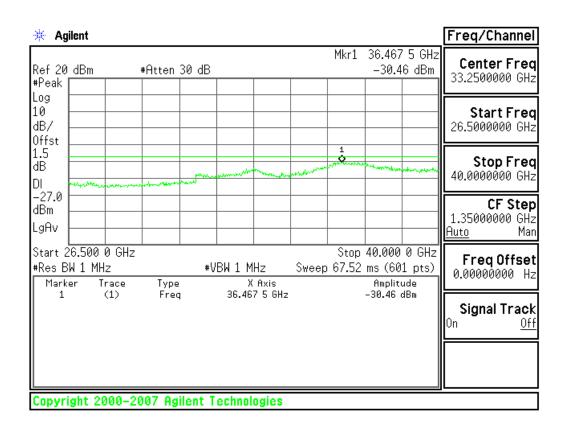


CH High



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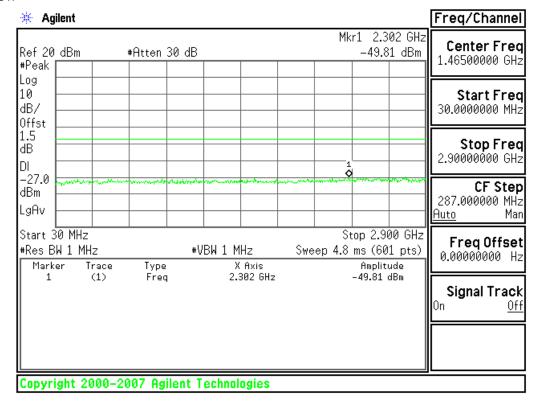


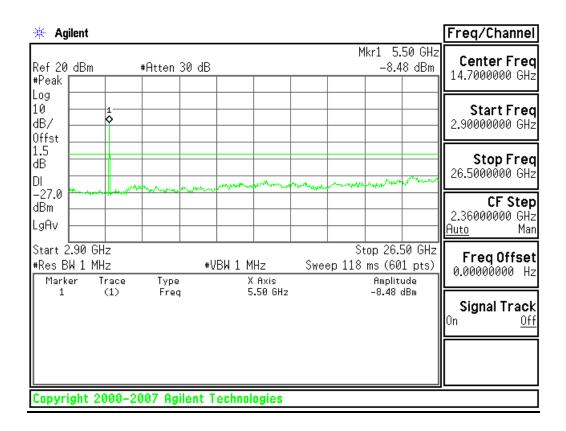


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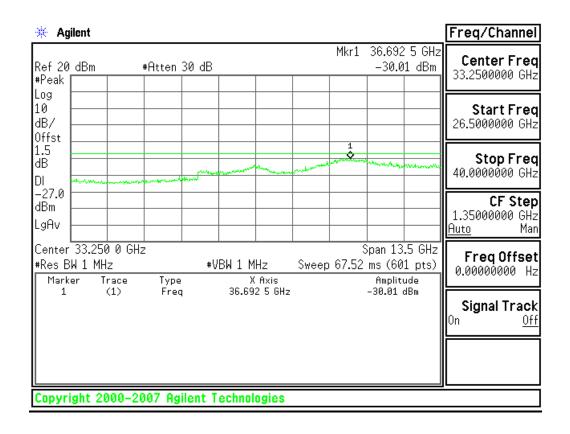
5470~5725MHz

CH Low

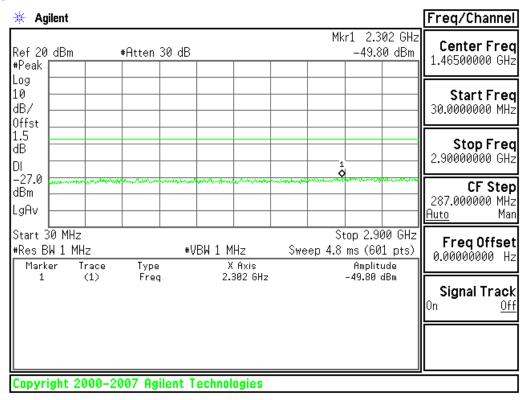




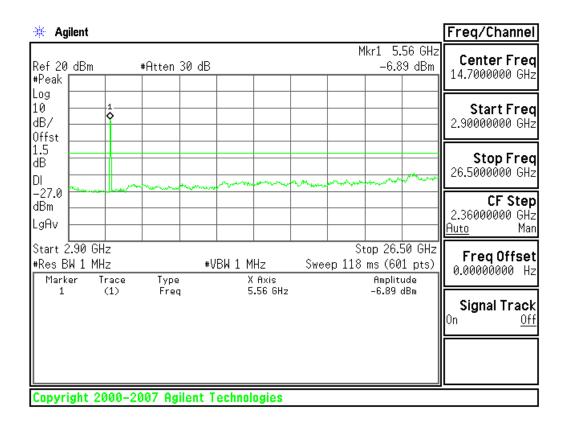
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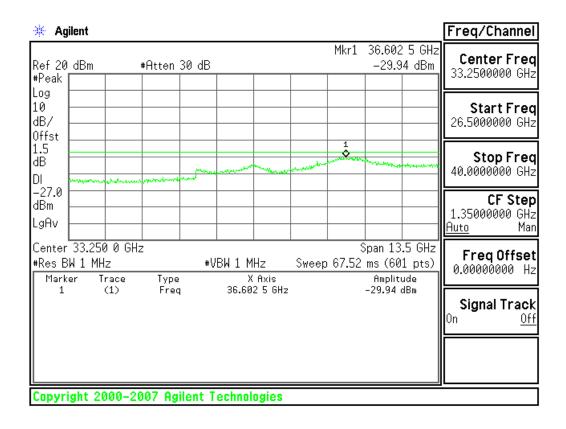


CH Mid



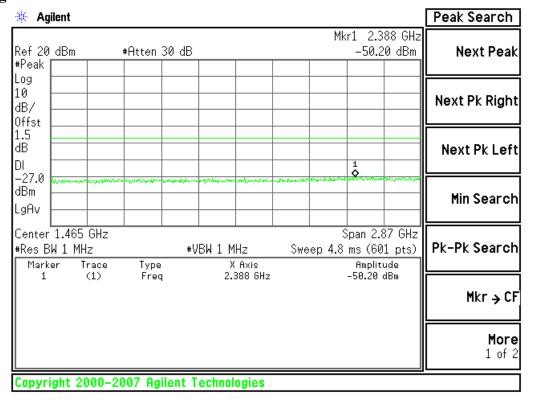
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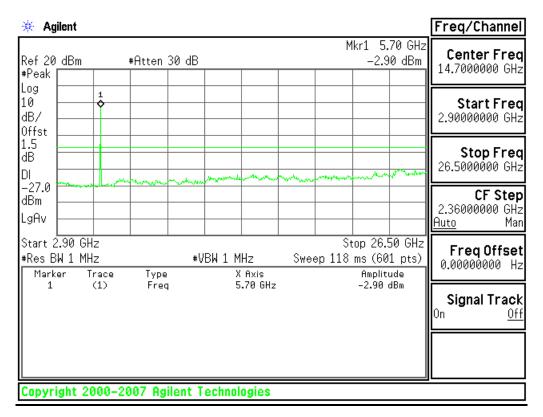




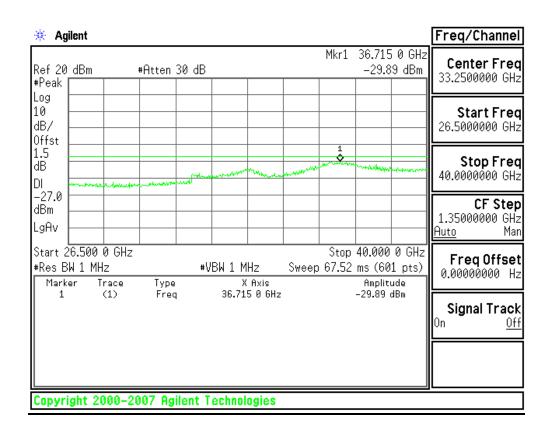
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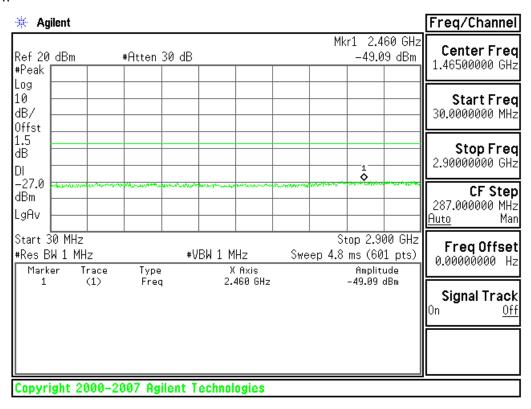


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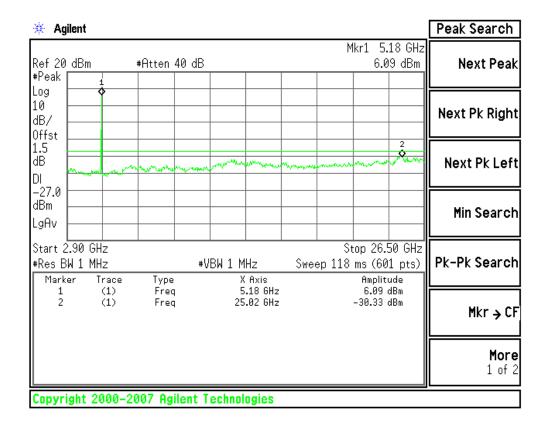


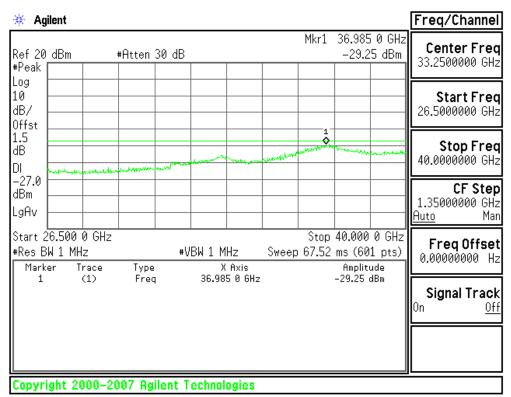
<u>Test mode: draft 802.11n Standard-20 MHz Channel mode / Chain 0:</u> 5150~5250MHz

CH Low



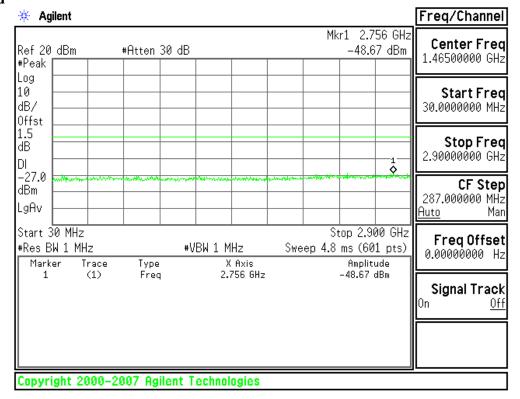
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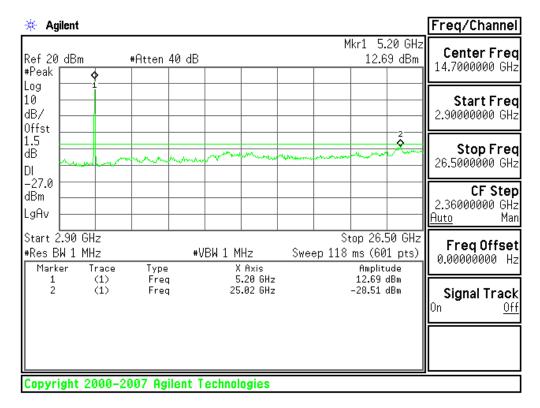




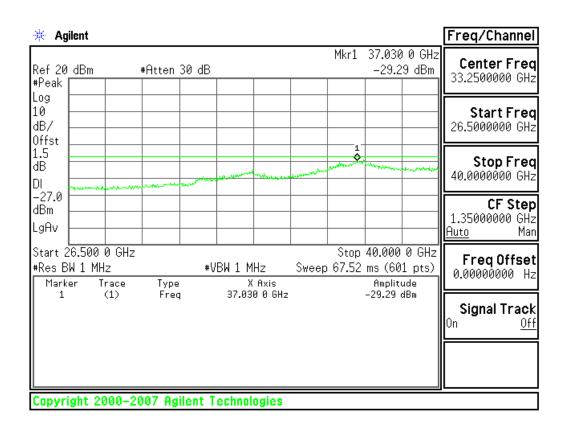
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CH Mid

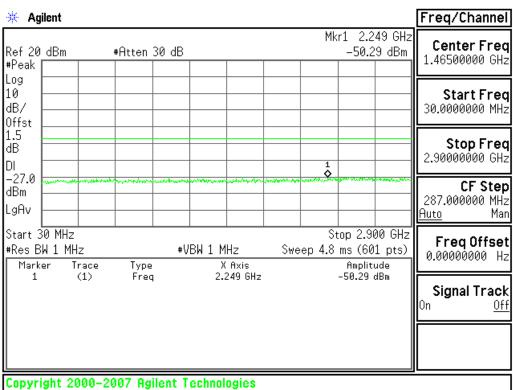




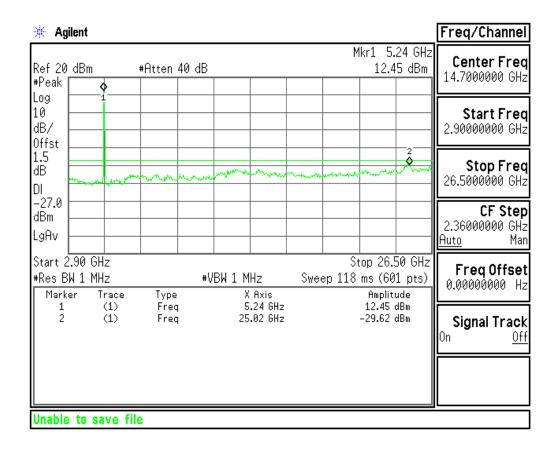
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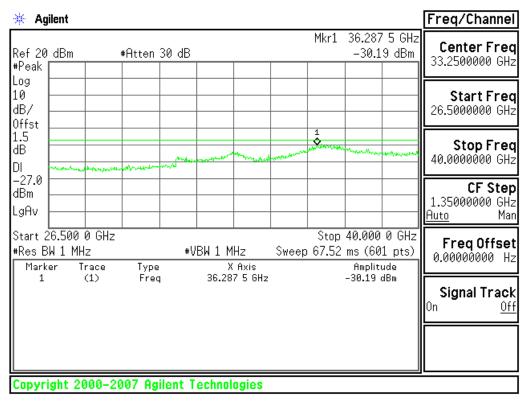


CH High



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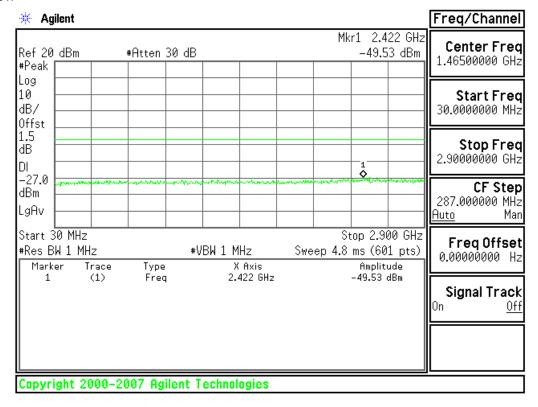


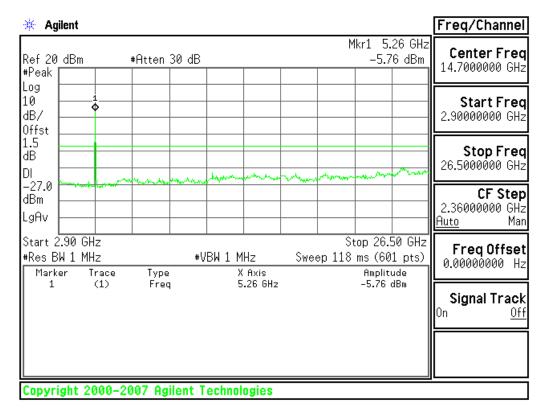


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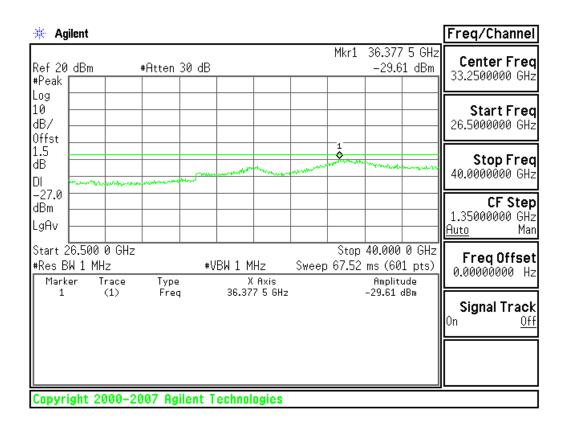
5250~5350MHz

CH Low

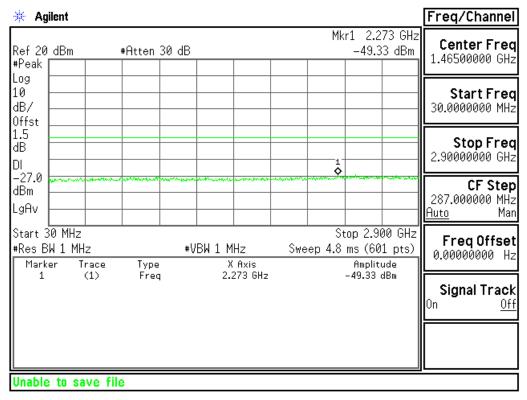




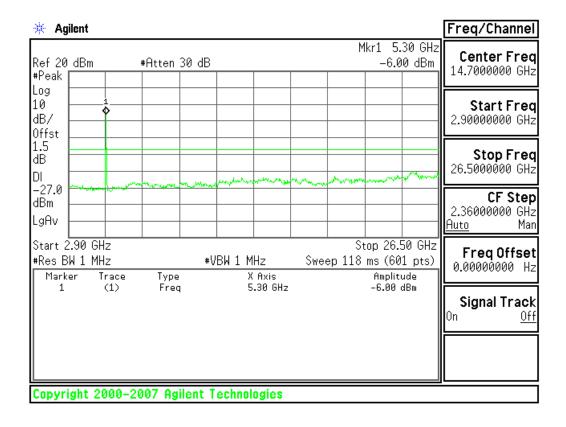
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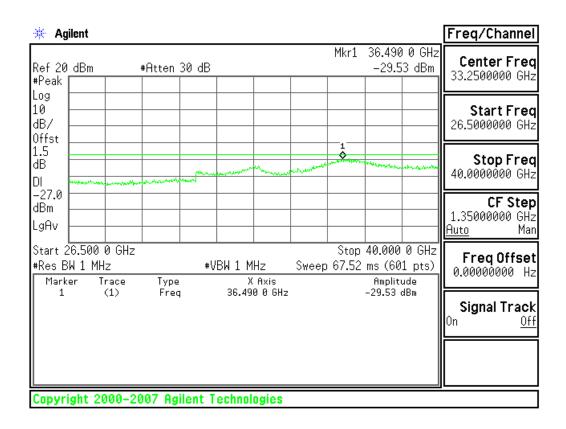


CH Mid



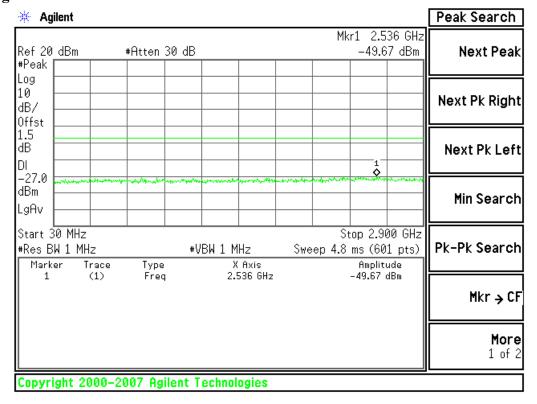
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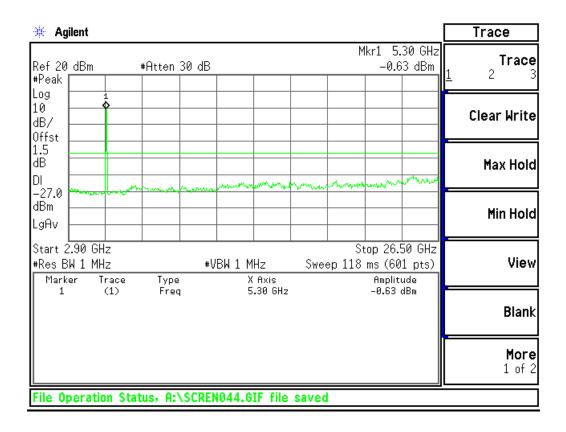




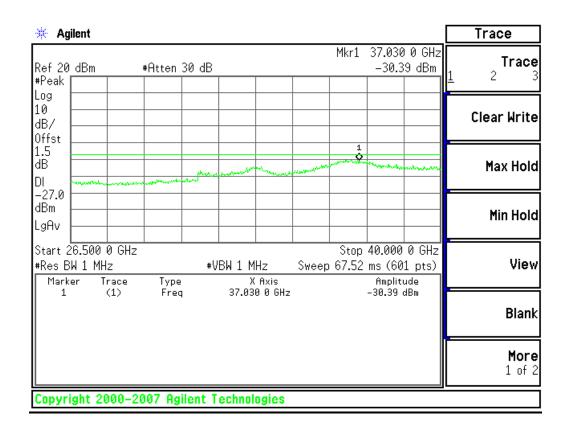
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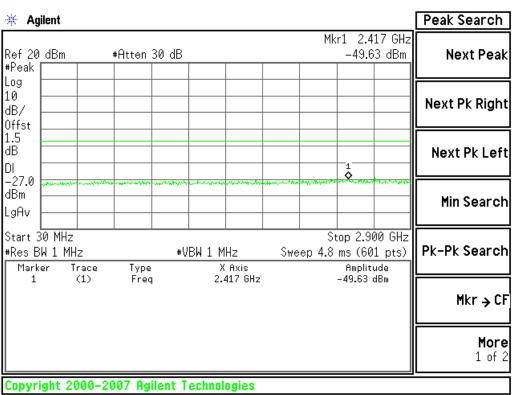




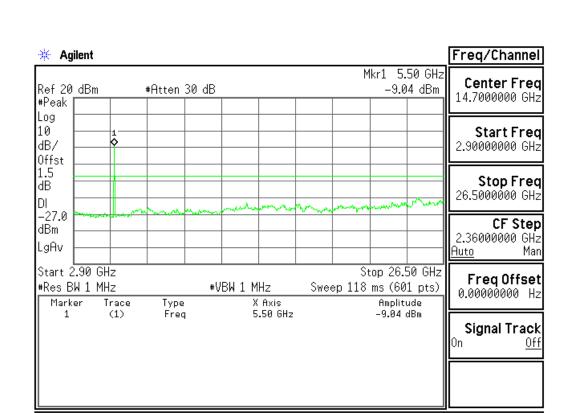
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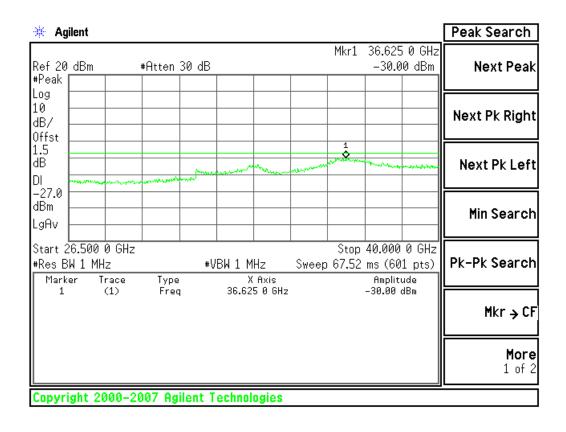
5470~5725MHz CH Low



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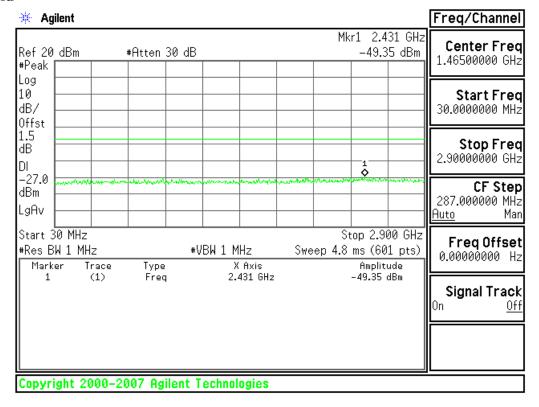


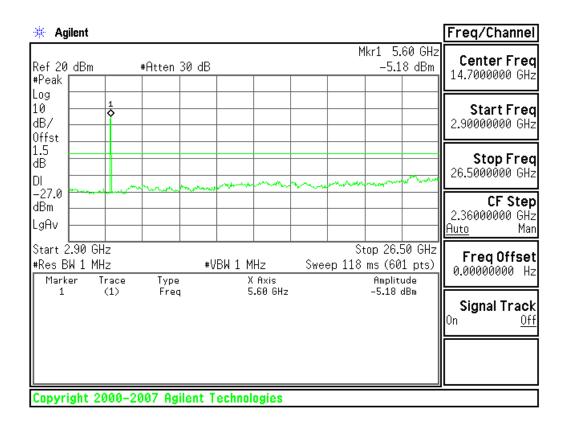
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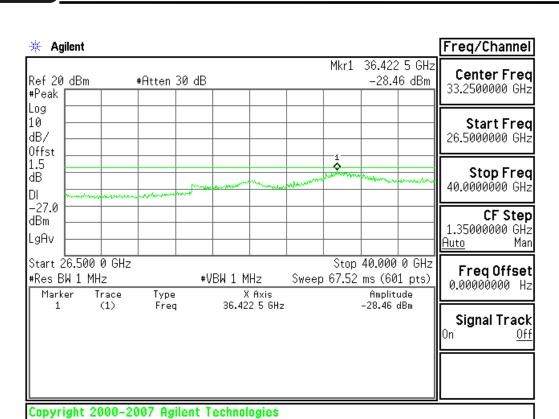
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CH Mid

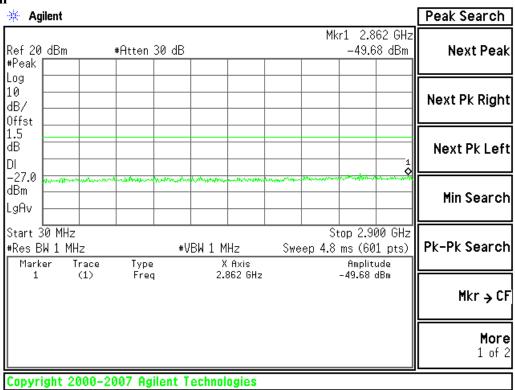




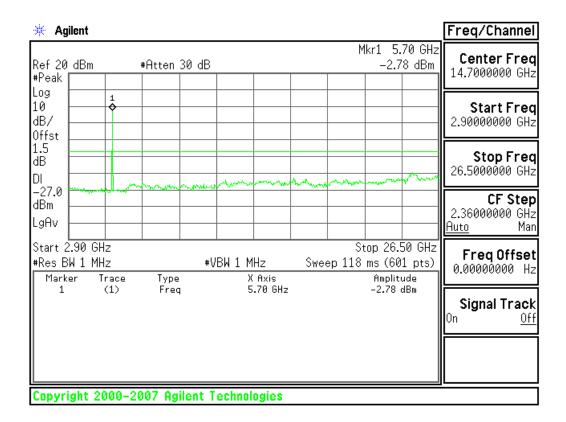
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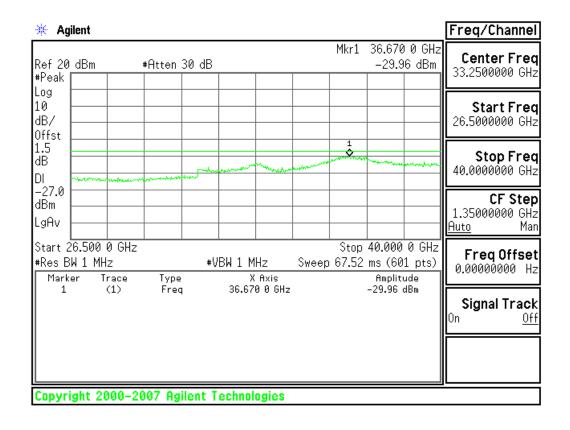


CH High



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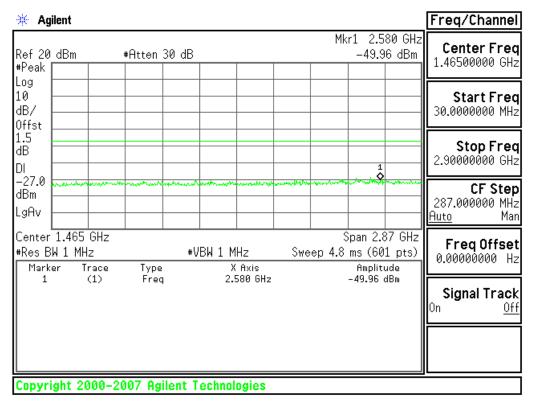


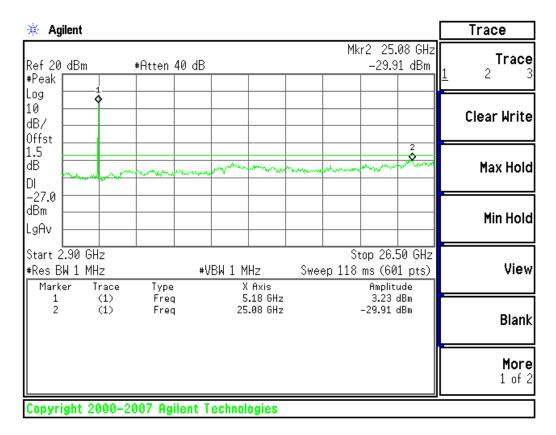


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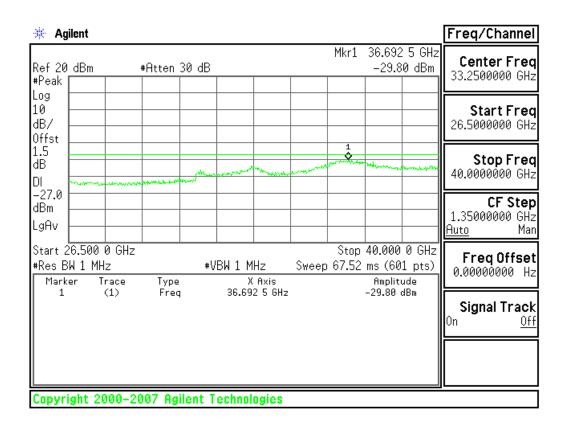
Test mode: draft 802.11n Standard-20 MHz Channel mode / Chain 1: 5150~5250MHz

CH Low

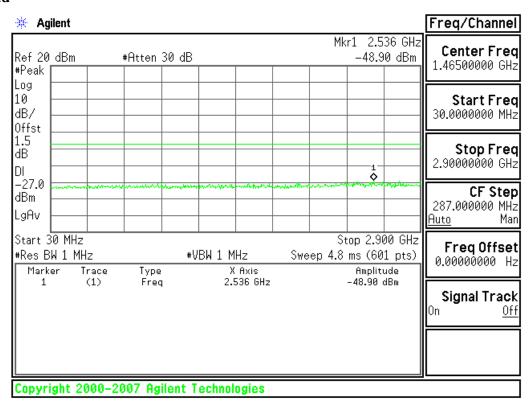




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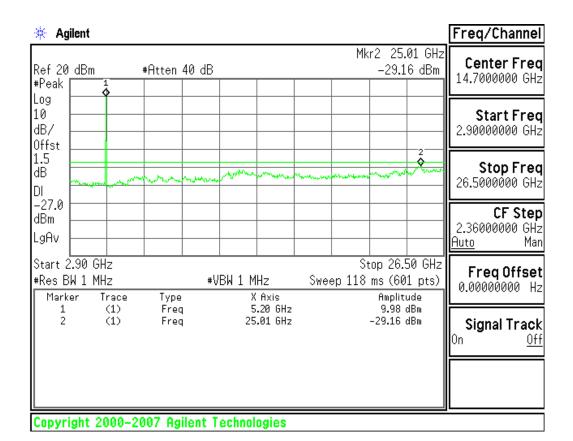


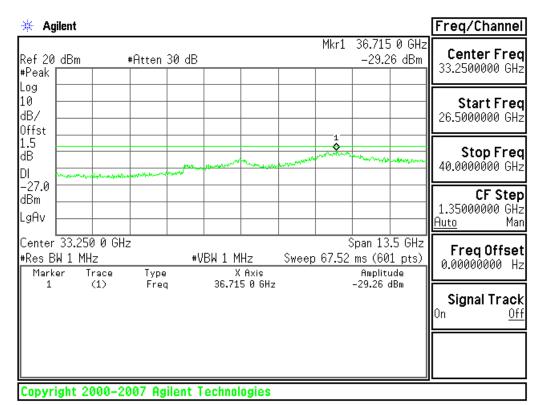
CH Mid



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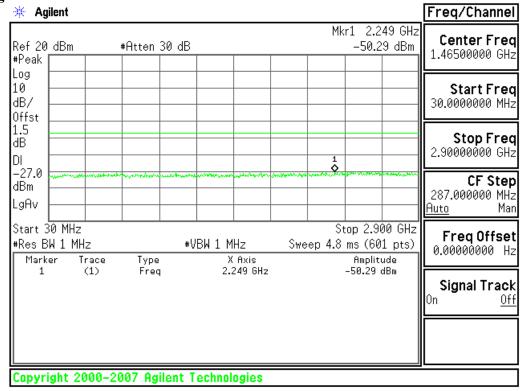


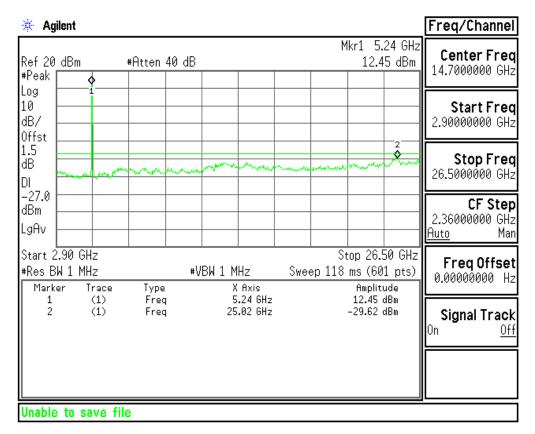




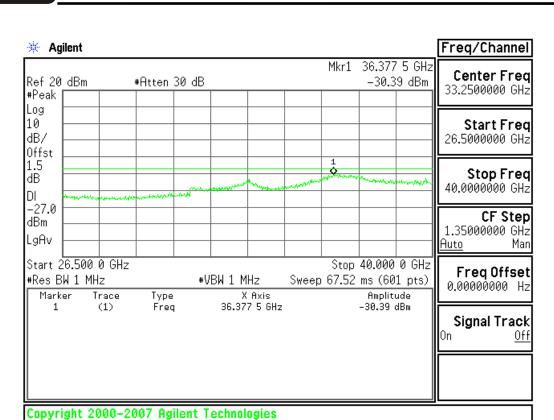
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CH High



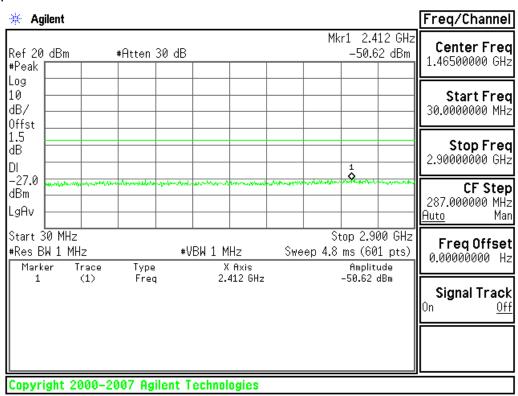


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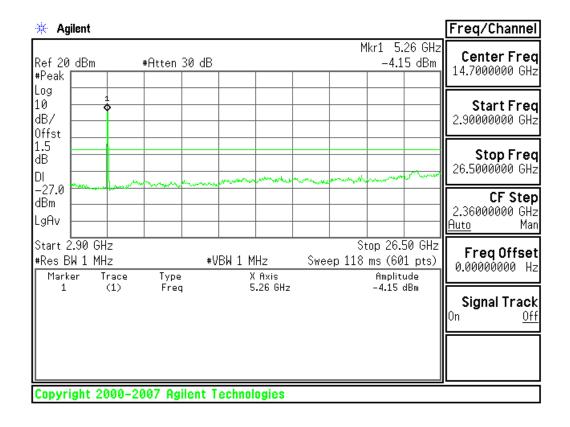


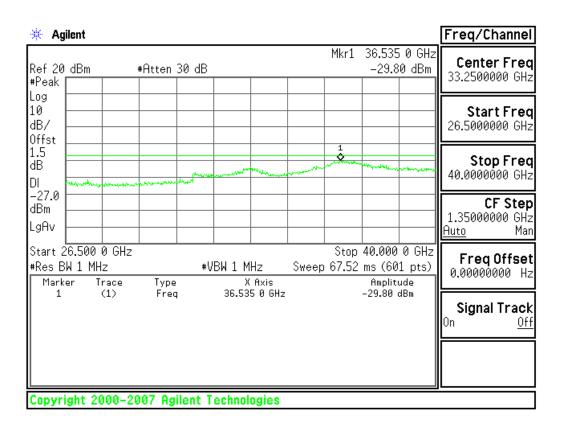
5250~5350MHz

CH Low



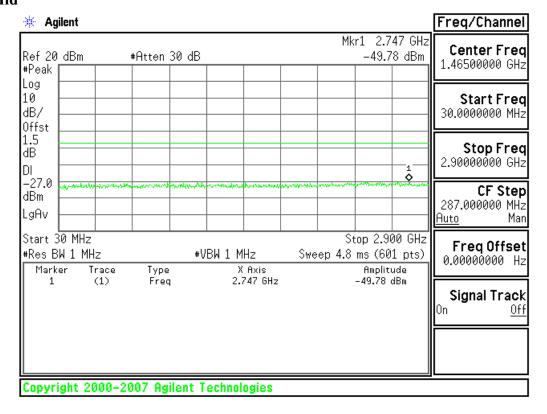
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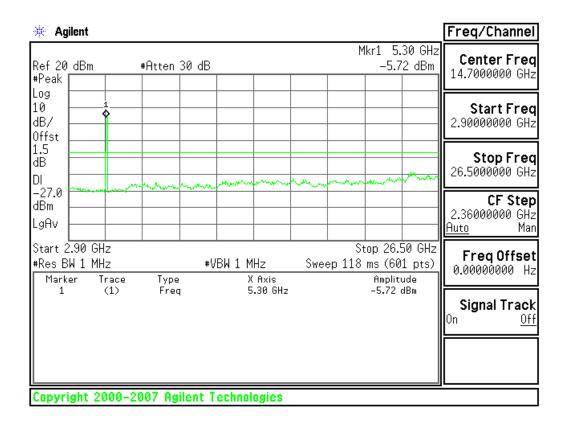




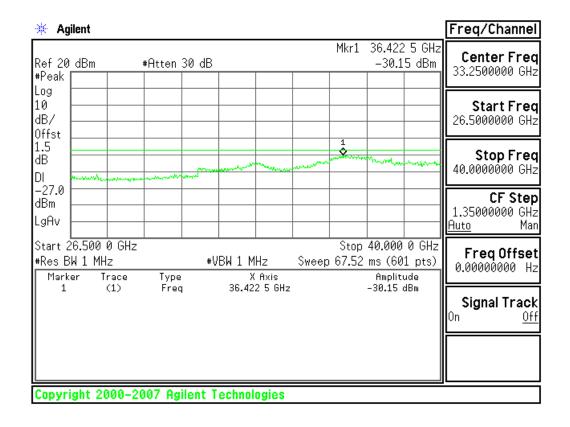
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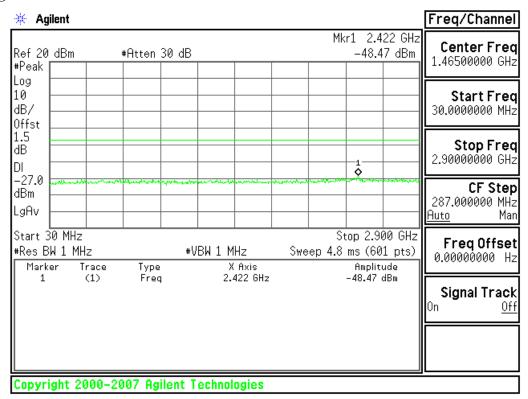
CH Mid



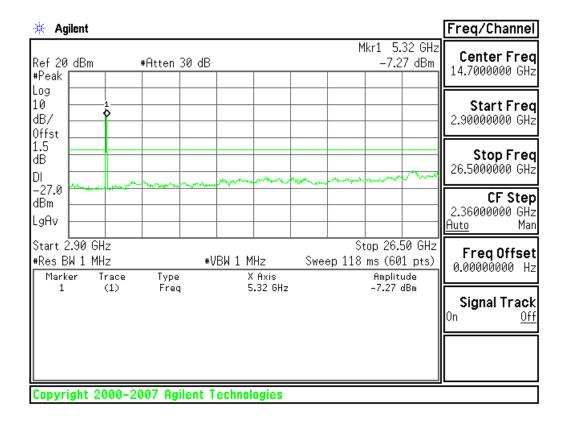


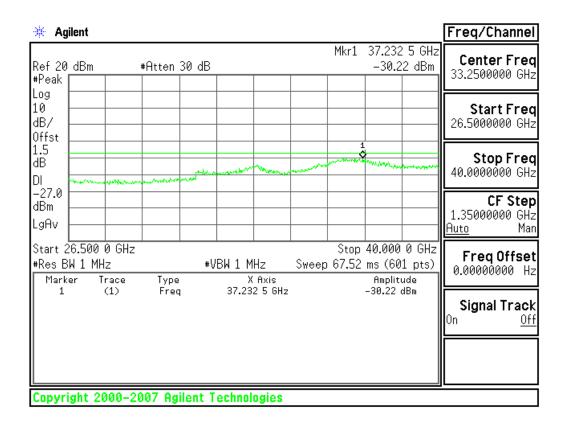
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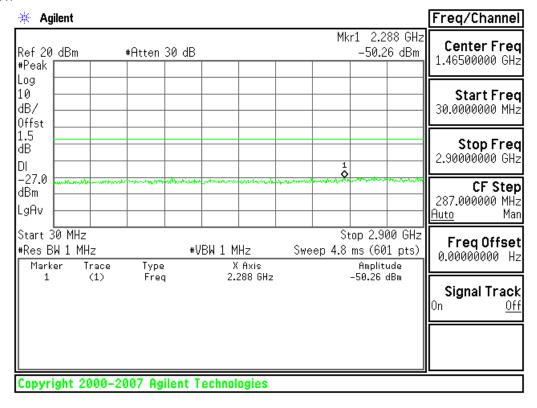


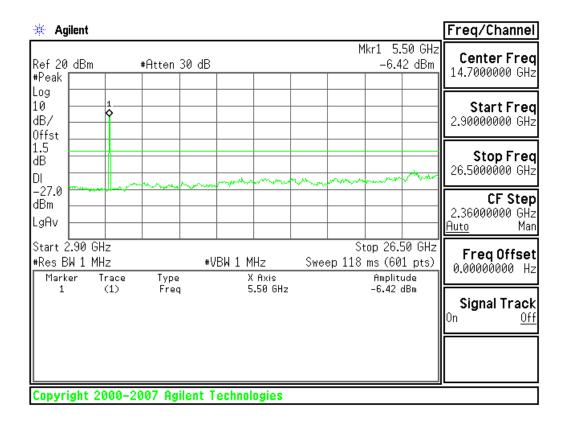


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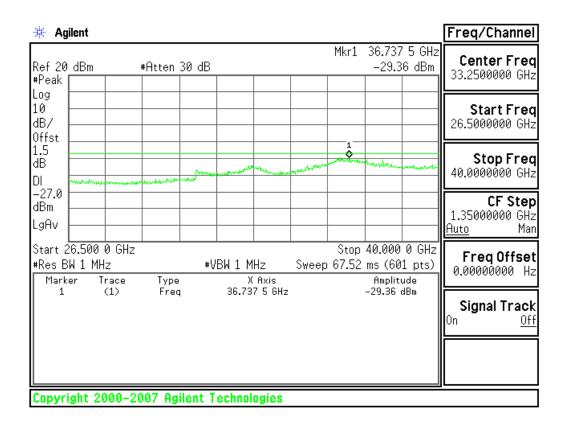
5470~5725MHz

CH Low

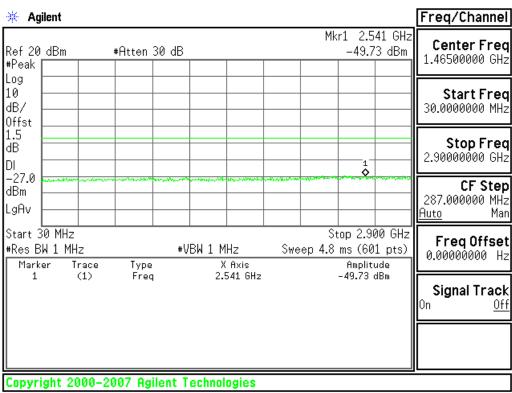




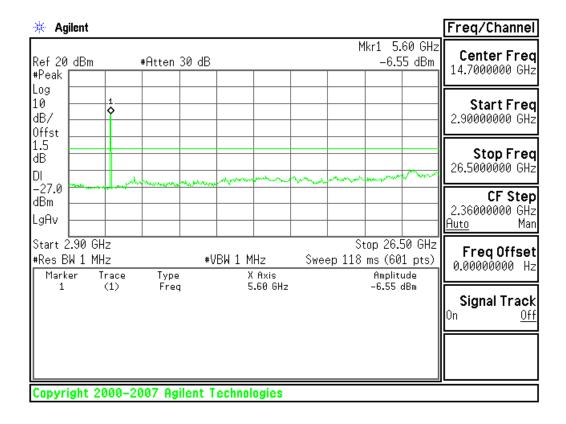
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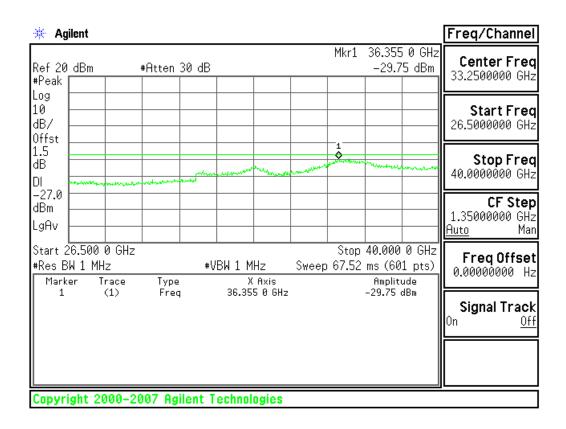


CH Mid

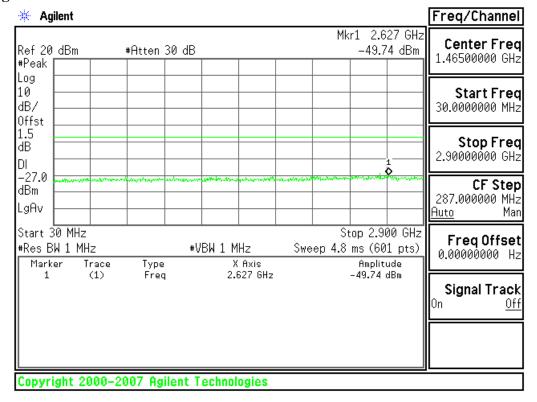


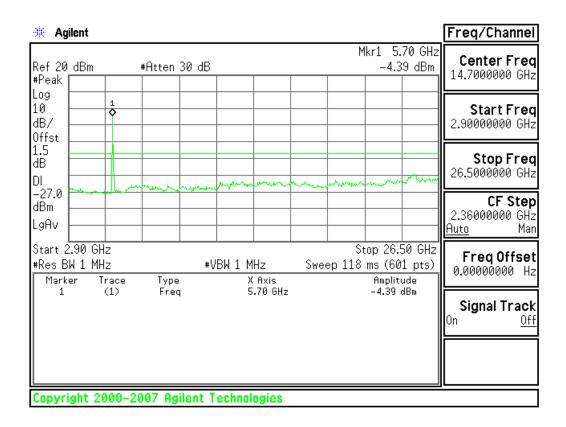
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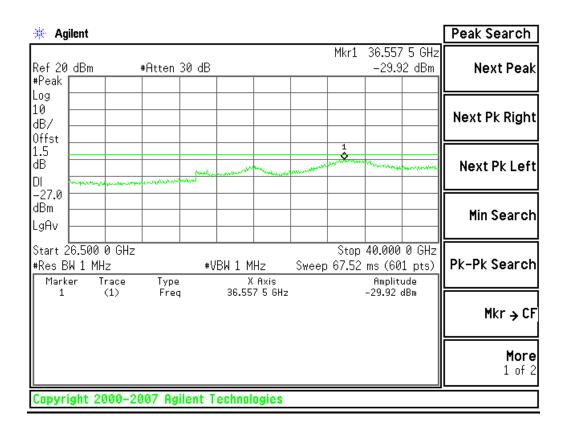


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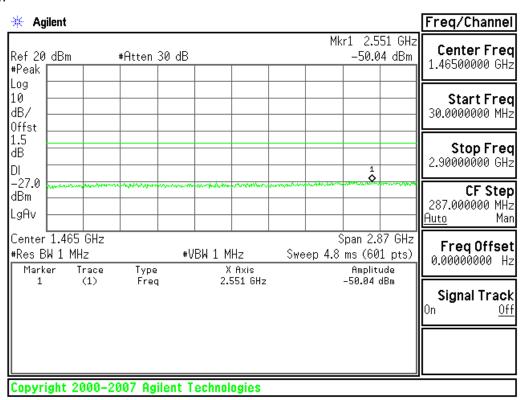
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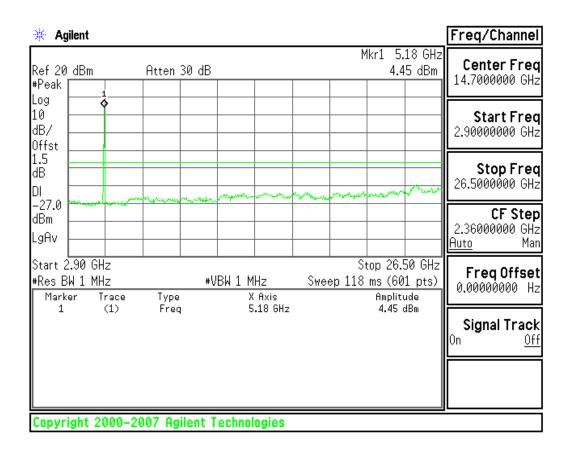
Test mode: draft 802.11n Standard-20 MHz Channel mode / Chain 2:

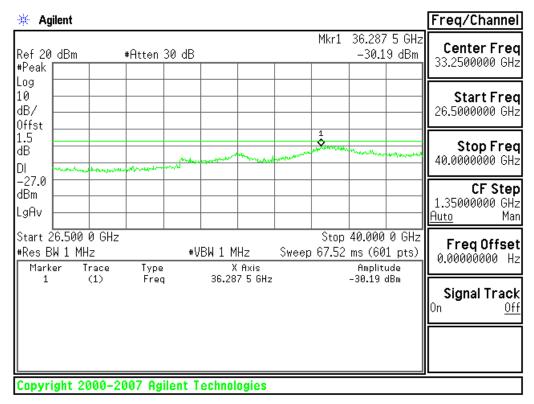
5150~5250MHz

CH Low



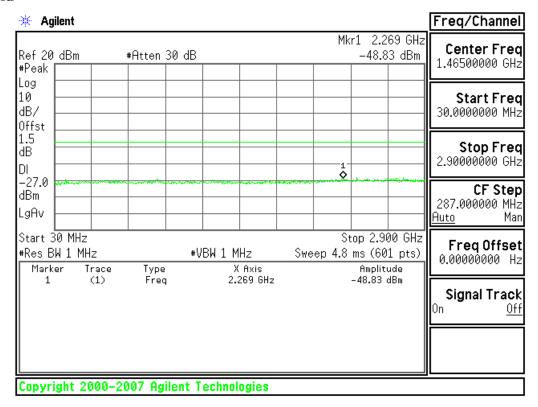
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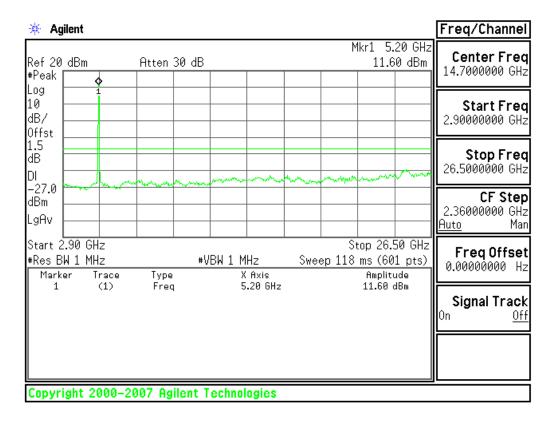




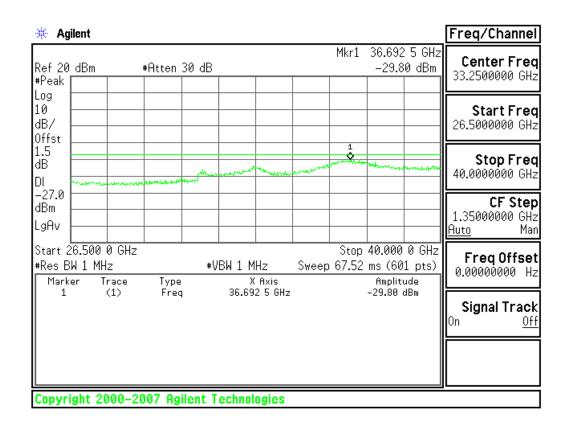
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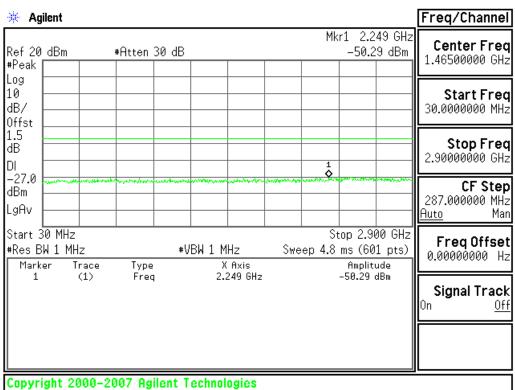
CH Mid



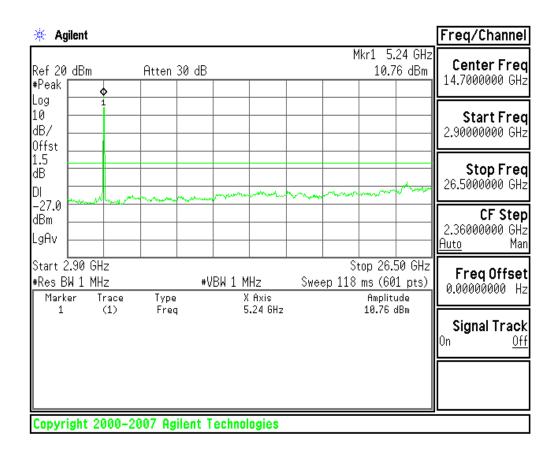


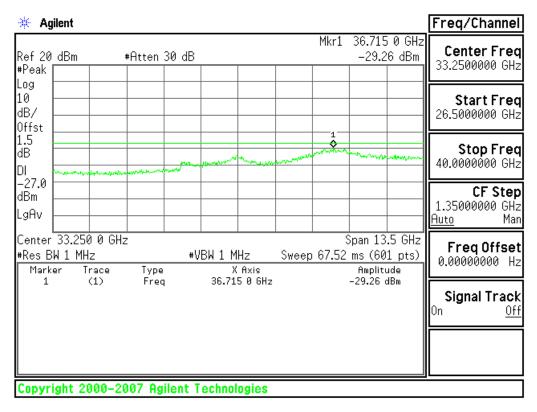
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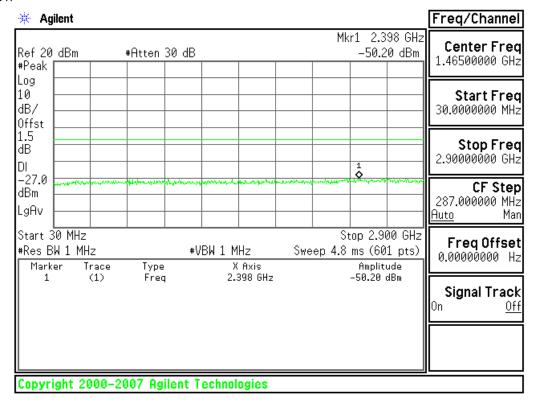


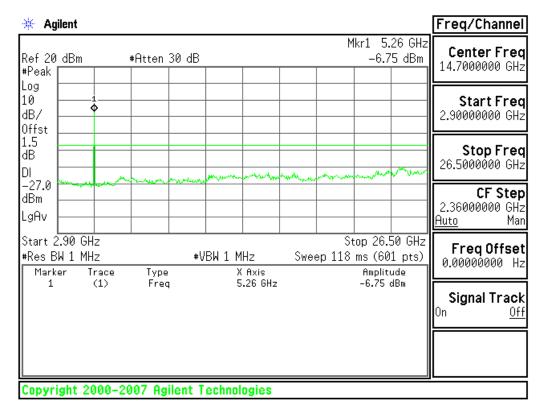


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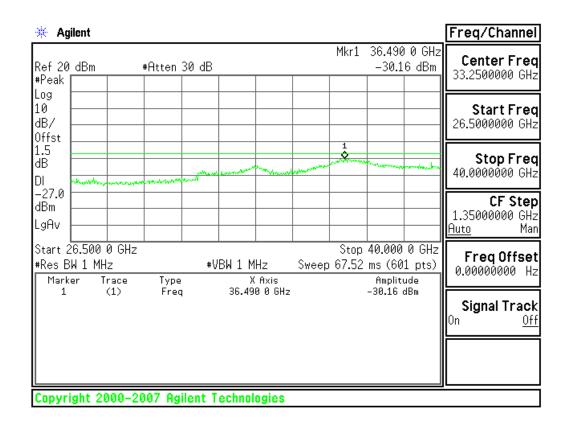
5250~5350MHz

CH Low

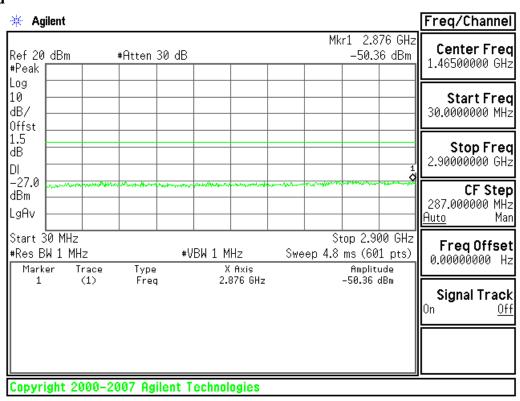




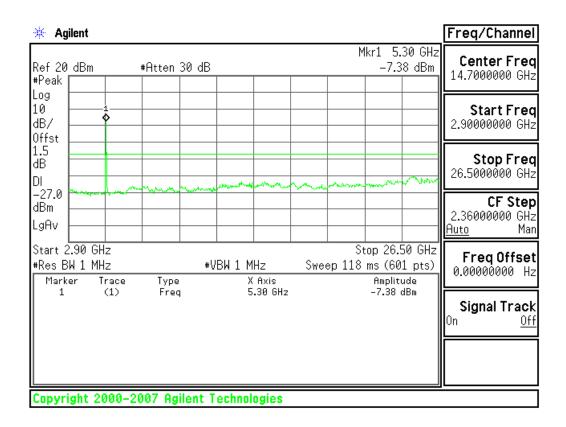
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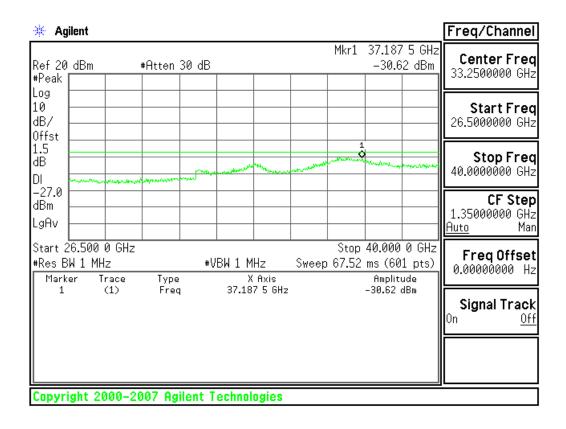


CH Mid

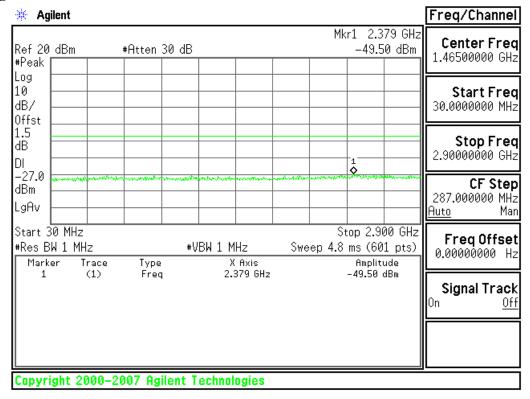


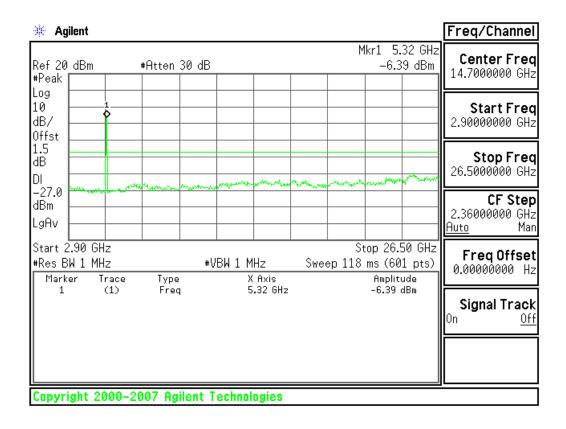
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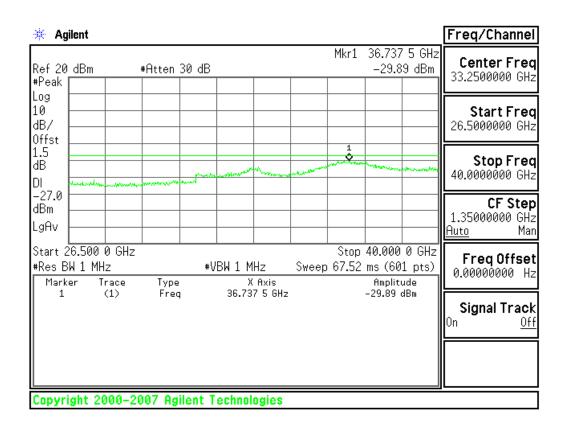


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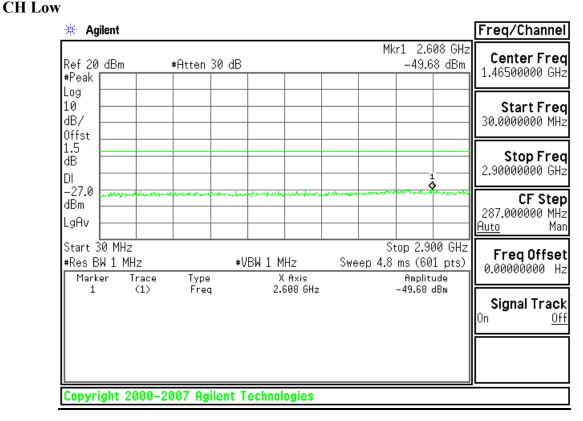




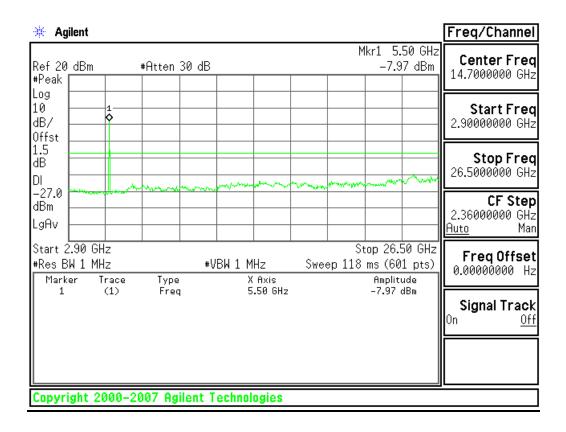
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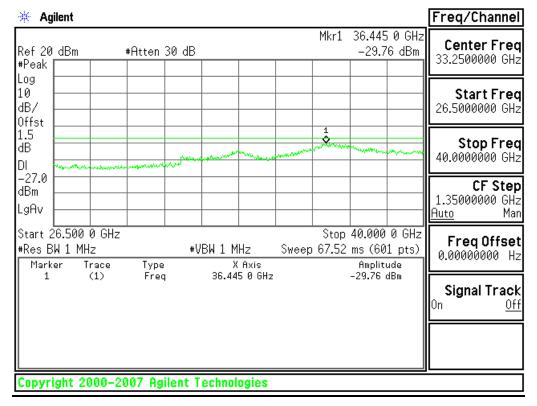


5470~5725MHz



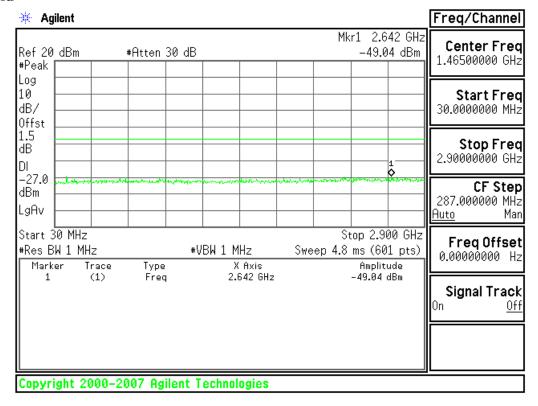
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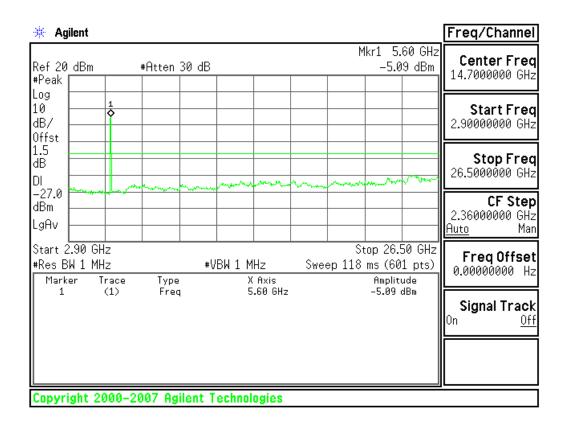




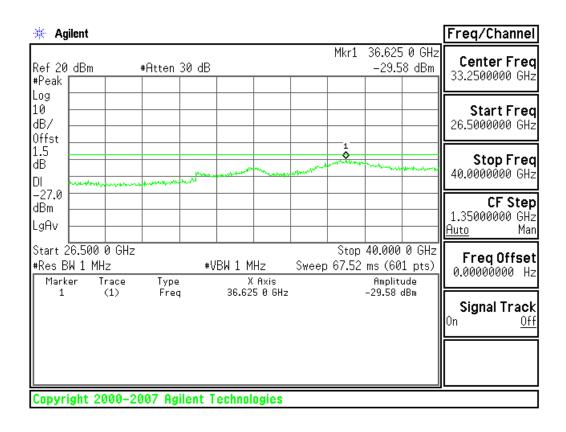
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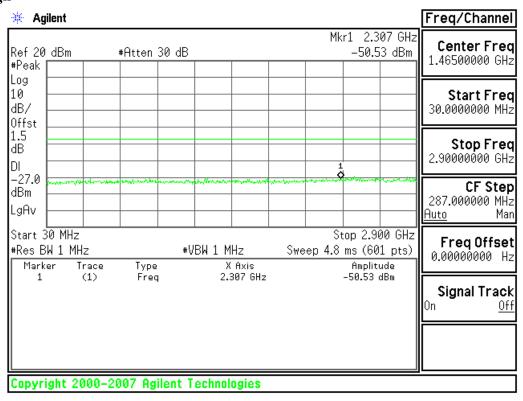
CH Mid



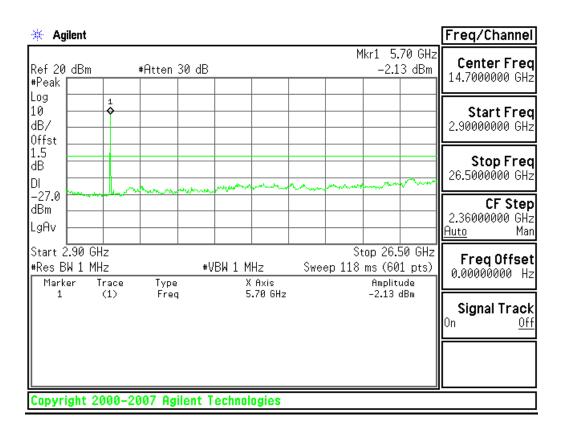


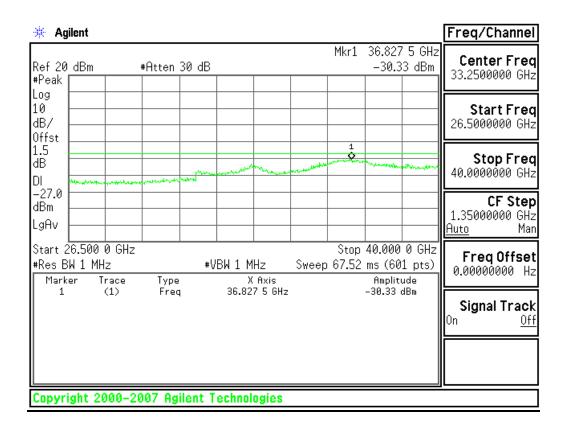
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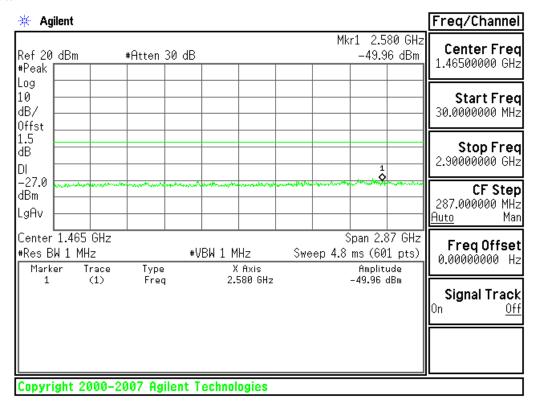


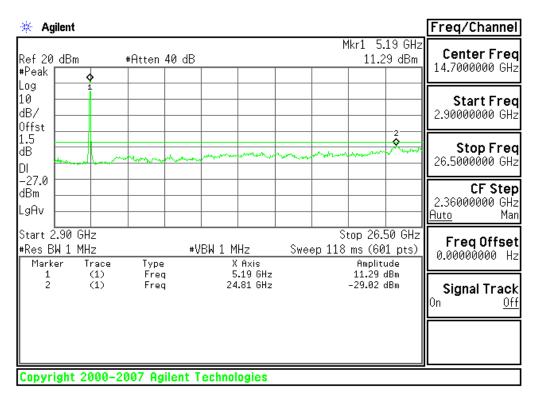
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Test mode: draft 802.11n Wide-40 MHz Channel mode / Chain 0:

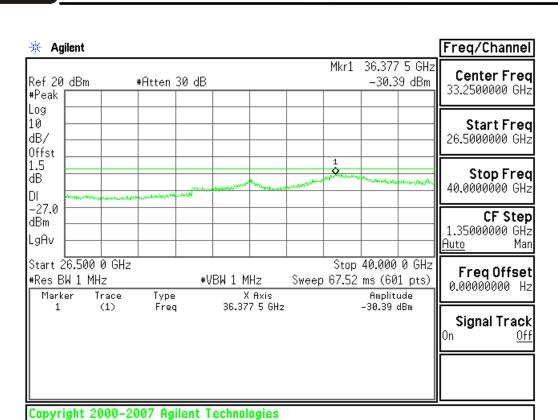
5150~5250MHz

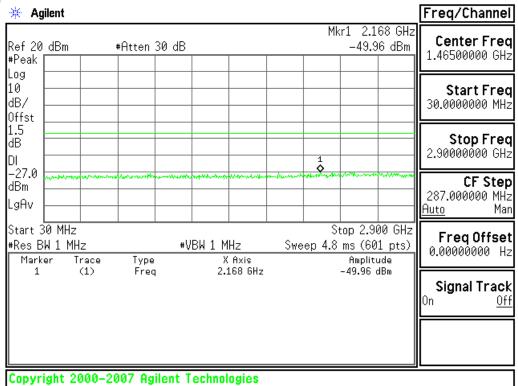
CH Low



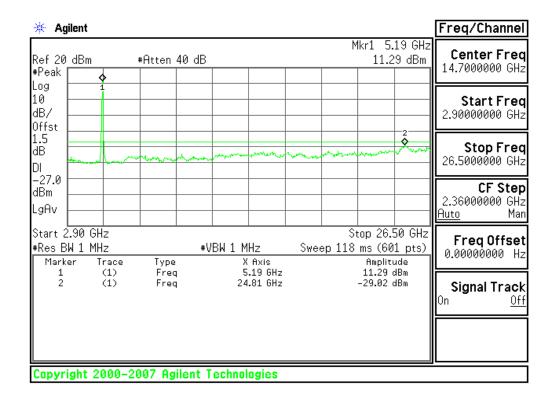


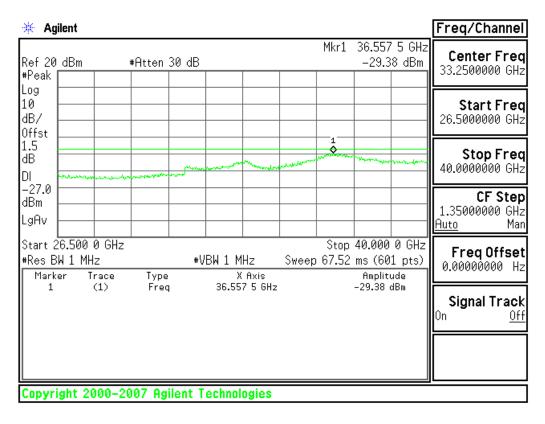
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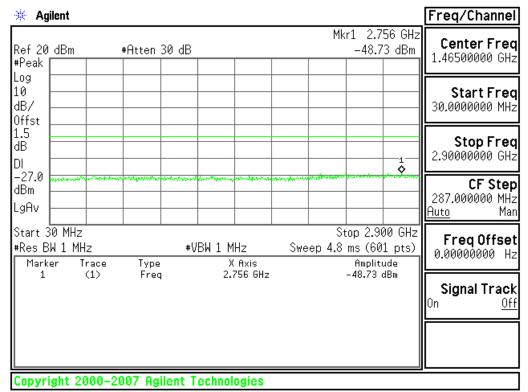


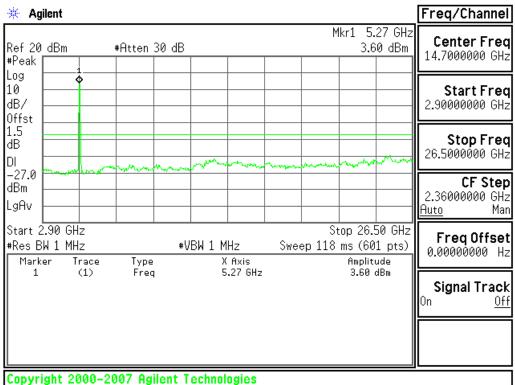


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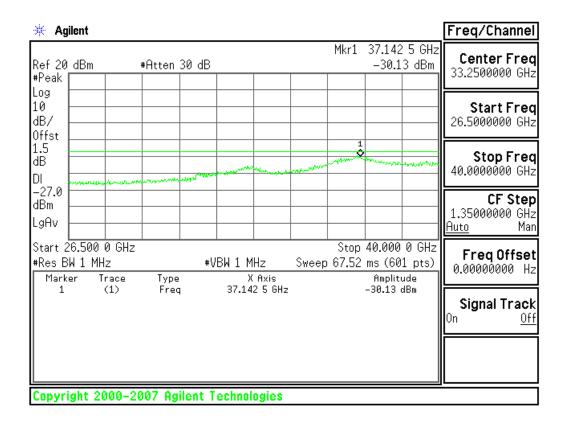
5250~5350MHz

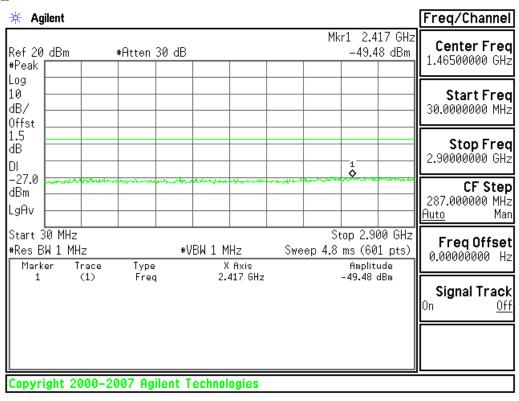
CH Low





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