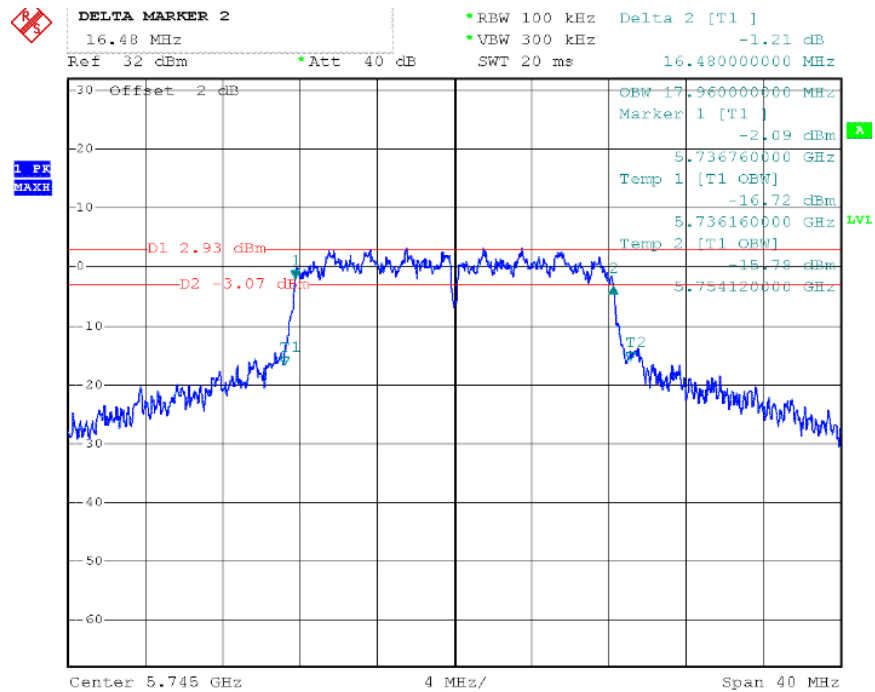
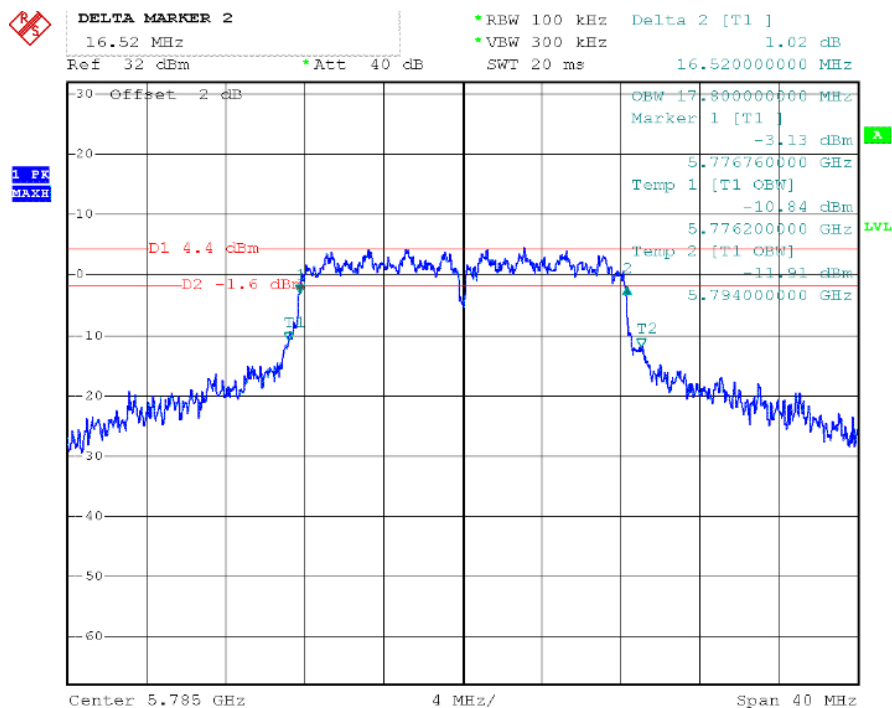


Chain 2

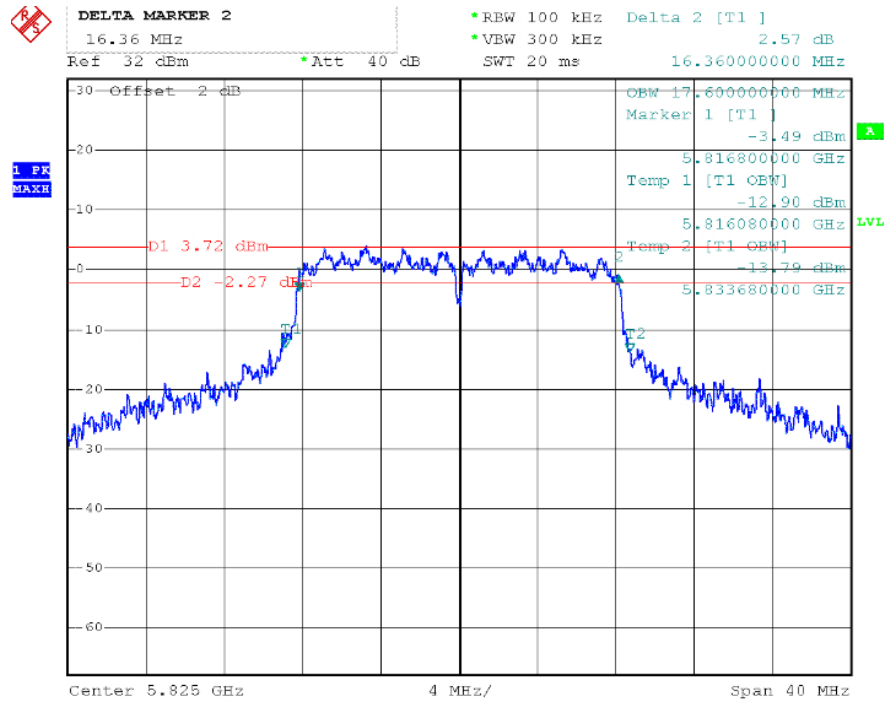
6dB BANDWIDTH (802.11a MODE CH Low 5745MHz)



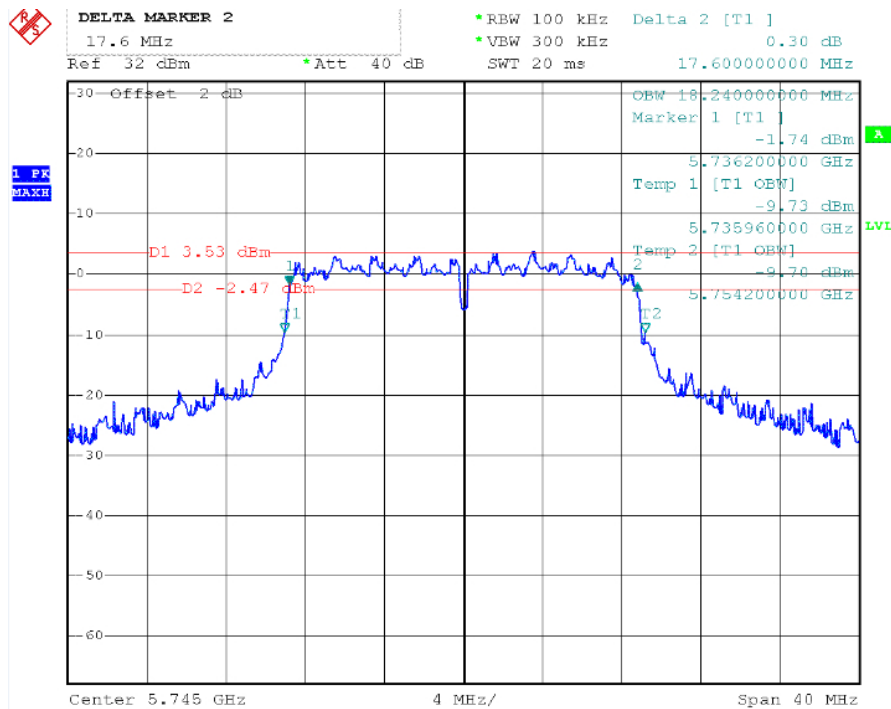
6dB BANDWIDTH (802.11a MODE CH Mid 5785MHz)



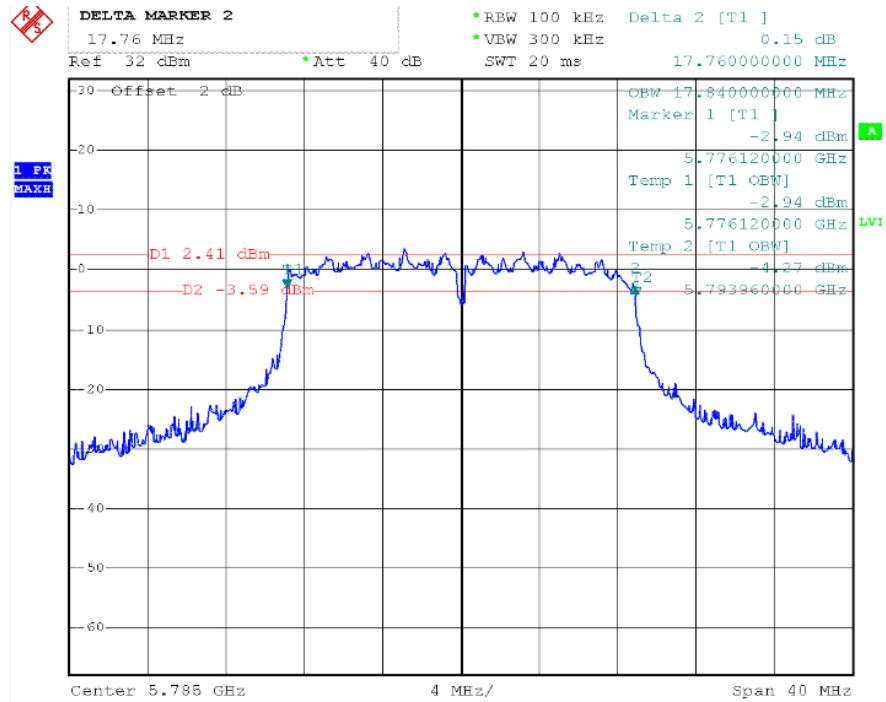
6dB BANDWIDTH (802.11a MODE CH High 5825MHz)



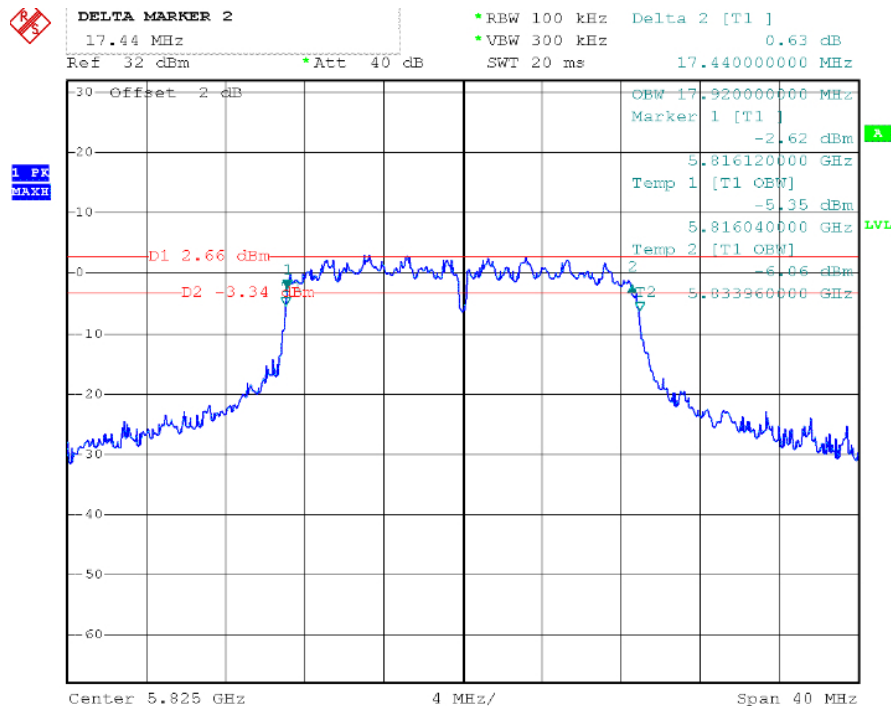
6dB BANDWIDTH (802.11n HT20 MODE CH Low 5745MHz)



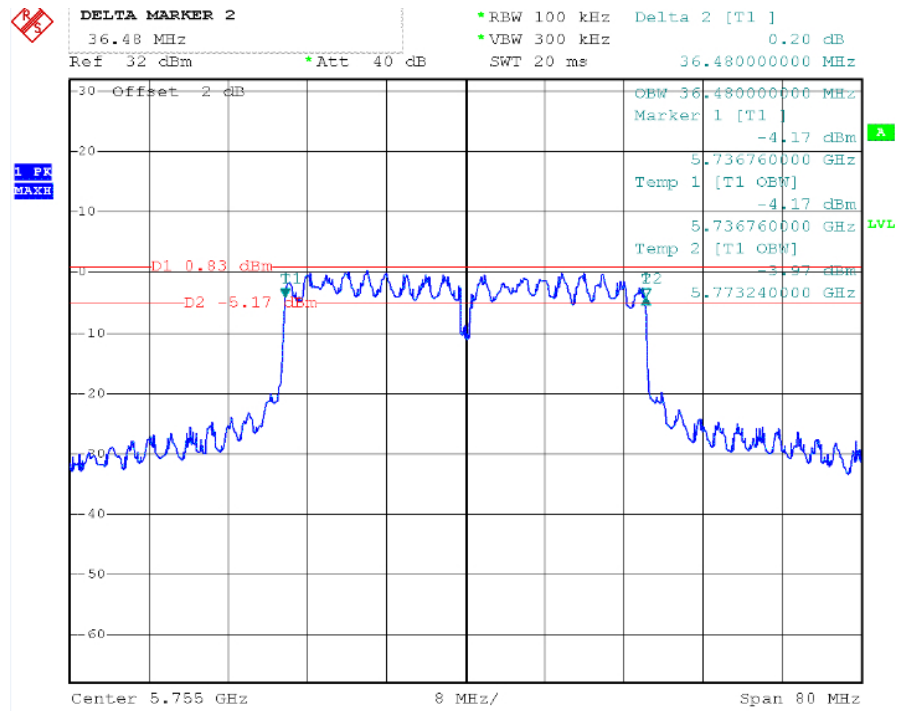
6dB BANDWIDTH (802.11n HT20 MODE CH Mid 5785MHz)



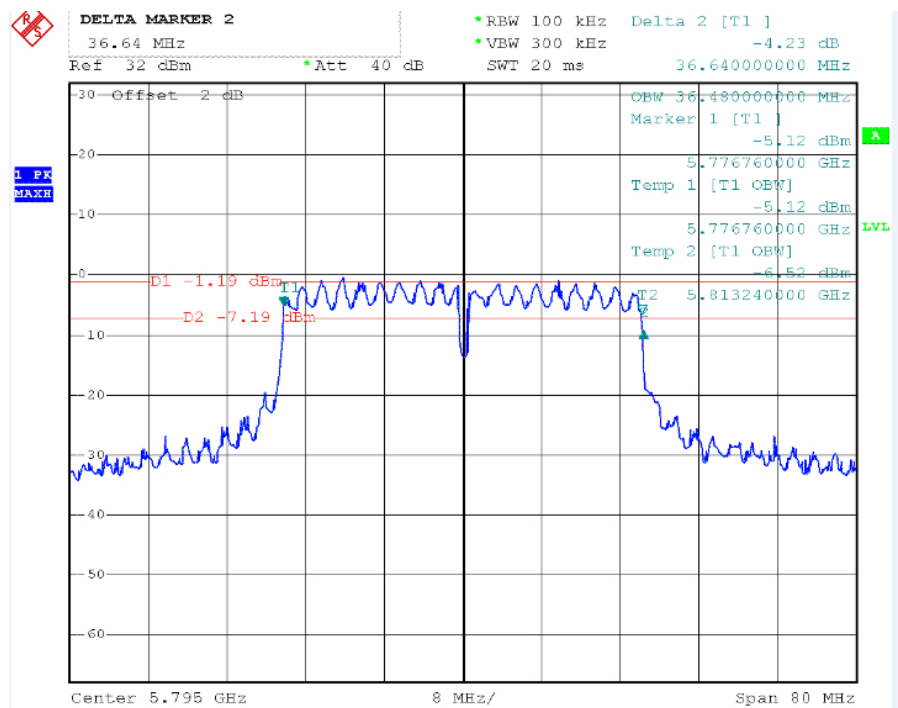
6dB BANDWIDTH (802.11n HT20 MODE CH High 5825MHz)



6dB BANDWIDTH (802.11n HT40 MODE CH Low 5755MHz)



6dB BANDWIDTH (802.11n HT40 MODE CH High 5795MHz)



10. RADIATED UNDESIRABLE EMISSION

10.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

10.2. Test Procedure Used

KDB 789033 D02v01 – Section G

10.3. Test Setting

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

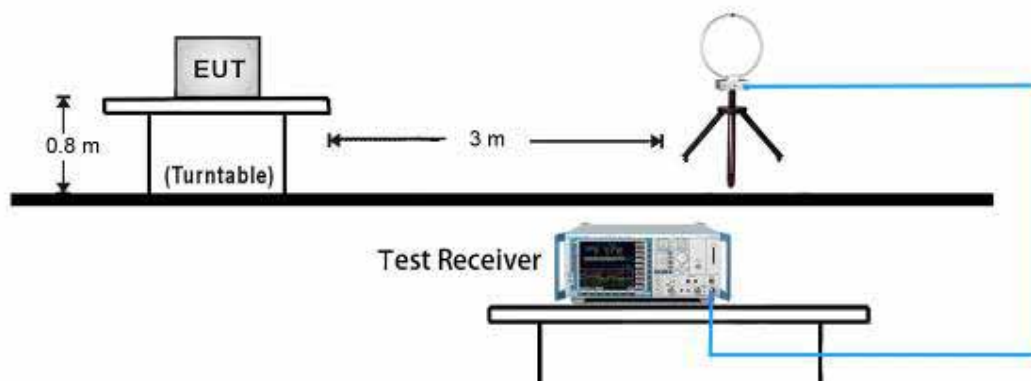
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

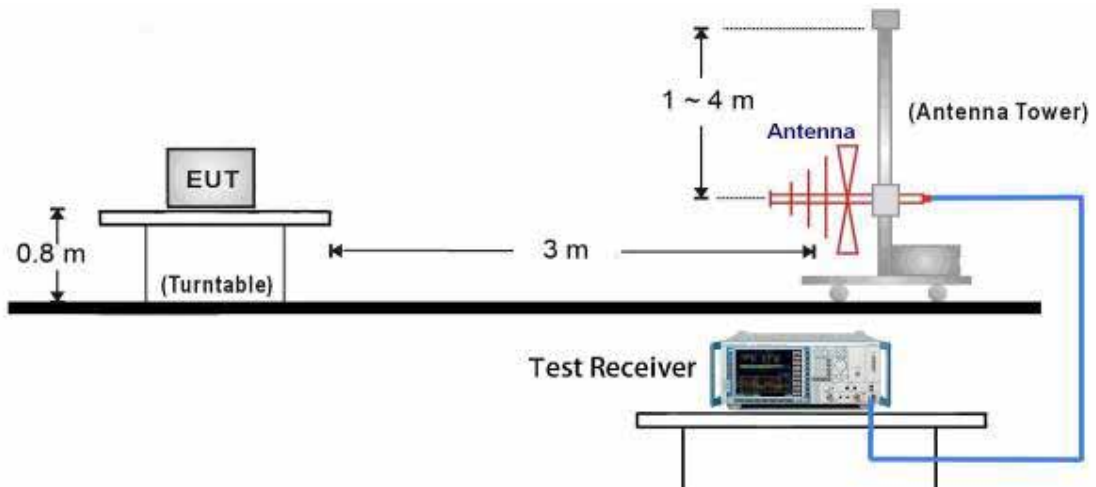
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $> 2 \times \text{span}/\text{RBW}$)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

7.7.4. Test Setup

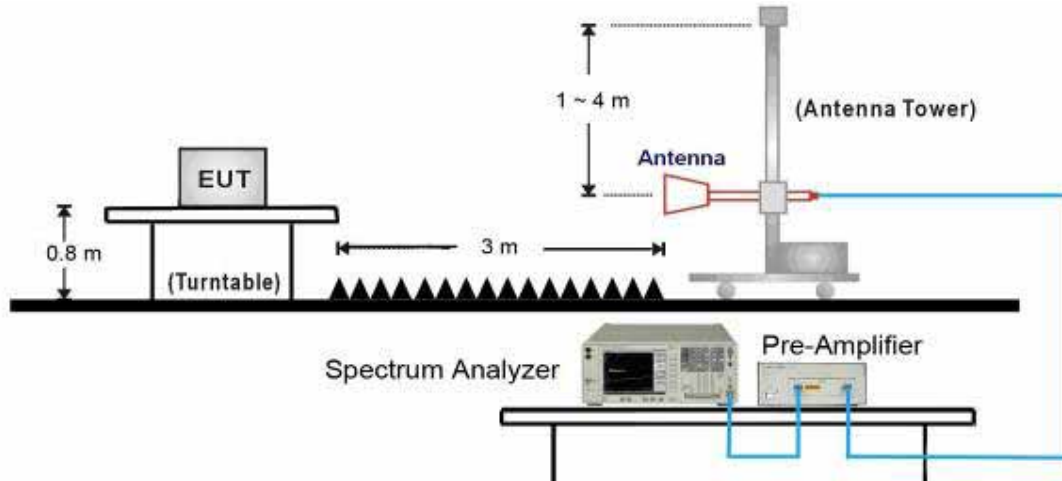
9kHz ~ 30MHz Test Setup:



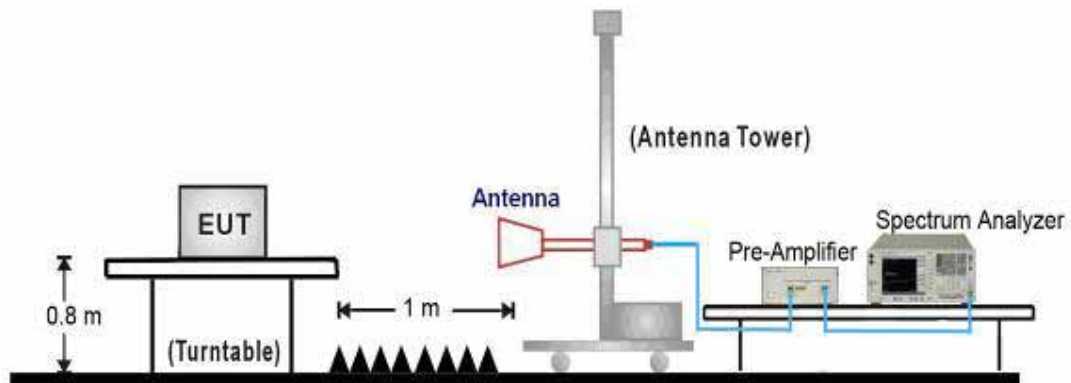
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



Below 30 MHz**Operation Mode:** Normal Link**Temperature:** 25°C**Humidity:** 50% RH**Test Date:** 2014-8-5**Tested by:** Jiankuai.li**Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
0.17	46.78	32.87	79.65	116.82	-37.17	Peak
0.21	45.66	31.54	77.19	113.99	-36.80	Peak
0.27	43.08	29.75	72.83	109.36	-36.53	Peak
0.36	40.34	28.22	68.56	103.29	-34.73	Peak
0.41	38.86	27.23	66.09	99.35	-33.27	Peak
0.46	37.28	26.32	63.61	95.77	-32.16	Peak
6.00	14.30	7.12	21.42	69.50	-48.08	Peak
9.44	10.60	6.32	16.92	69.50	-52.58	Peak
13.28	10.41	5.77	16.18	69.50	-53.32	Peak
17.46	7.51	5.47	12.98	69.50	-56.52	Peak
21.79	8.40	5.42	13.82	69.50	-55.68	Peak
27.93	9.32	6.10	15.41	69.50	-54.09	Peak

Remark:

- Radiated emissions measured in frequency range from 9kHz ~ 30MHz were made with an instrument using peak/quasi-peak detector mode.*
- Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit or as required by the applicant.*
- 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.*
- 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.*
- Margin (dB) = Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).*

Below 1 GHz**Operation Mode:** Normal Link**Temperature:** 25°C**Humidity:** 50% RH**Test Date:** 2014-8-5**Tested by:** Jiankuai.li**Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Pol. (H/V)
41.32	47.26	-12.67	34.59	40.00	-5.41	Peak	V
78.50	43.24	-16.75	26.48	40.00	-13.52	Peak	V
384.05	31.94	-9.58	22.35	46.00	-23.65	Peak	V
479.43	35.01	-8.27	26.74	46.00	-19.26	Peak	V
527.93	32.48	-7.69	24.80	46.00	-21.20	Peak	V
799.53	31.70	-3.88	27.82	46.00	-18.18	Peak	V
191.67	43.20	-12.69	30.50	43.50	-13.00	Peak	H
240.17	46.91	-13.10	33.81	46.00	-12.19	Peak	H
299.98	41.68	-10.82	30.86	46.00	-15.14	Peak	H
359.80	44.75	-9.99	34.76	46.00	-11.24	Peak	H
419.62	50.41	-9.03	41.38	46.00	-4.62	Peak	H
799.53	40.07	-3.88	36.19	46.00	-9.81	Peak	H

Remark:

- 1 Measuring frequencies from 30 MHz to the 1GHz.
- 2 Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.
- 3 Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit or as required by the applicant.
- 4 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.
- 5 Margin (dB) = Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).

Above 1 GHz
3dBi Omni-directional Antenna

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
 CH Low

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankuai.li

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant. Pol. (H/V)
1653.33	56.00	---	-8.99	47.00	---	68.30	54.00	-7.00	Peak	V
10350.00	41.18	31.36	16.98	58.16	48.34	68.30	54.00	-5.66	AVG	V
N/A										
1396.67	62.13	43.12	-10.66	51.47	32.46	68.30	54.00	-21.54	AVG	H
10366.67	41.40	30.74	17.06	58.46	47.80	68.30	54.00	-6.20	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol . (H/V)
1863.33	55.48	---	-6.86	48.62	---	68.30	54.00	-5.38	Peak	V
10433.33	41.00	31.94	17.38	58.38	49.32	68.30	54.00	-4.68	AVG	V
1396.67	65.11	43.12	-10.66	54.46	32.46	68.30	54.00	21.54	AVG	H
10433.33	42.02	31.36	17.38	59.40	48.74	68.30	54.00	-5.26	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1921.67	54.87	---	-6.27	48.60	---	68.30	54.00	-5.40	Peak	V
10483.33	40.88	31.23	17.62	58.50	48.85	68.30	54.00	-5.15	AVG	V
N/A										
1396.67	64.48	43.31	-10.66	53.82	32.65	68.30	54.00	-21.35	AVG	H
10483.33	40.59	31.11	17.62	58.21	48.73	68.30	54.00	-5.27	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
 5180 ~ 5240MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	55.19	---	-7.57	47.62	---	68.30	54.00	-6.38	Peak	V
10350.00	39.53	31.11	16.98	56.51	48.09	68.30	54.00	-5.91	AVG	V
N/A										
1396.67	65.04	43.16	-10.66	54.39	32.50	68.30	54.00	-21.50	AVG	H
10350.00	40.82	31.22	16.98	57.80	48.20	68.30	54.00	-5.80	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
/ 5180 ~ 5240MHz / CH Mid

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankau.li

Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
2061.67	55.78	---	-5.31	50.47	---	68.30	54.00	-3.53	Peak	V
10433.33	39.52	31.14	17.38	56.90	48.52	68.30	54.00	-5.48	AVG	V
N/A										
1396.67	60.95	---	-10.66	50.29	---	68.30	54.00	-3.71	Peak	H
10433.33	40.04	31.16	17.38	57.42	48.54	68.30	54.00	-5.46	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5180 ~ 5240MHz / CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	55.38	---	-5.91	49.47	---	68.30	54.00	-4.53	Peak	V
10483.33	39.25	31.21	17.62	56.87	48.83	68.30	54.00	-5.17	AVG	V
N/A										
1396.67	64.81	43.21	-10.66	54.16	32.55	68.30	54.00	-21.45	AVG	H
10483.33	40.02	31.42	17.62	57.64	49.04	68.30	54.00	-4.96	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
 5190 ~ 5230MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	56.3	---	-7.57	48.73	---	68.3	54	-19.57	Peak	V
10380.00	40.64	32.55	16.98	57.62	49.53	68.3	54	-4.47	AVG	V
N/A										
1396.67	66.15	44.12	-10.66	55.49	33.46	68.3	54	-20.54	AVG	H
10380.00	41.93	32.33	16.98	58.91	49.31	68.3	54	-4.69	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	55.38	---	-5.91	49.47	---	68.30	54.00	-4.53	Peak	V
10463.33	39.25	31.21	17.62	56.87	48.83	68.30	54.00	-5.17	AVG	V
N/A										
1396.67	64.81	43.21	-10.66	54.16	32.55	68.30	54.00	-21.45	AVG	H
10463.33	40.02	31.42	17.62	57.64	49.04	68.30	54.00	-4.96	AVG	H
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).

15dBi Omni-directional Antenna

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
CH Low

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankuai.li

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant. Pol. (H/V)
1653.33	54.89	---	-8.99	45.9	---	68.3	54	-22.4	Peak	V
10350.00	40.07	30.25	16.98	57.05	47.23	68.3	54	-6.77	AVG	V
N/A										
1396.67	61.02	42.01	-10.66	50.36	31.35	68.3	54	-22.65	AVG	H
10366.67	40.29	29.63	17.06	57.35	46.69	68.3	54	-7.31	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
 CH Mid
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol . (H/V)
1863.33	56.59	---	-6.86	49.73	---	68.3	54	-18.57	Peak	V
10433.33	42.11	33.05	17.38	59.49	50.43	68.3	54	-3.57	AVG	V
1396.67	66.22	44.23	-10.66	55.56	33.57	68.3	54	-20.43	AVG	H
10433.33	43.13	32.47	17.38	60.51	49.85	68.3	54	-4.15	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1921.67	55.98	---	-6.27	49.71	---	68.3	54	-18.59	Peak	V
10483.33	41.99	30.12	17.62	59.61	47.74	68.3	54	-6.26	AVG	V
N/A										
1396.67	65.59	42.2	-10.66	54.93	31.54	68.3	54	-22.46	AVG	H
10483.33	41.7	30	17.62	59.32	47.62	68.3	54	-6.38	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
 5180 ~ 5240MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	56.3	---	-7.57	48.73	---	68.3	54	-19.57	Peak	V
10350.00	40.64	30	16.98	57.62	46.98	68.3	54	-7.02	AVG	V
N/A										
1396.67	66.15	42.05	-10.66	55.49	31.39	68.3	54	-22.61	AVG	H
10350.00	41.93	30.11	16.98	58.91	47.09	68.3	54	-6.91	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
/ 5180 ~ 5240MHz / CH Mid

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankau.li

Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
2061.67	56.89	---	-5.31	51.58	---	68.3	54	-16.72	Peak	V
10433.33	40.63	30.03	17.38	58.01	47.41	68.3	54	-6.59	AVG	V
N/A										
1396.67	62.06	---	-10.66	51.4	---	68.3	54	-16.9	Peak	H
10433.33	41.15	30.05	17.38	58.53	47.43	68.3	54	-6.57	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5180 ~ 5240MHz / CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	54.27	---	-5.91	48.36	---	68.3	54	-19.94	Peak	V
10483.33	38.14	30.1	17.62	55.76	47.72	68.3	54	-6.28	AVG	V
N/A										
1396.67	63.7	42.1	-10.66	53.04	31.44	68.3	54	-22.56	AVG	H
10483.33	38.91	30.31	17.62	56.53	47.93	68.3	54	-6.07	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	56.29	---	-7.57	48.72	---	68.3	54	-19.58	Peak	V
10380.00	40.63	30.01	16.98	57.61	46.99	68.3	54	-7.01	AVG	V
N/A										
1396.67	66.14	42.06	-10.66	55.48	31.4	68.3	54	-22.6	AVG	H
10380.00	41.92	30.12	16.98	58.9	47.1	68.3	54	-6.9	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	56.48	---	-5.91	50.57	---	68.3	54	-17.73	Peak	V
10463.33	40.35	30.11	17.62	57.97	47.73	68.3	54	-6.27	AVG	V
N/A										
1396.67	65.91	42.11	-10.66	55.25	31.45	68.3	54	-22.55	AVG	H
10463.33	41.12	30.32	17.62	58.74	47.94	68.3	54	-6.06	AVG	H
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).

19dBi Sector Antenna

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
CH Low

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankuai.li

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1653.33	54.95	---	-8.99	45.96	---	68.3	54	-22.34	Peak	V
10350.00	40.13	30.31	16.98	57.11	47.29	68.3	54	-6.71	AVG	V
N/A										
1396.67	61.08	42.07	-10.66	50.42	31.41	68.3	54	-22.59	AVG	H
10366.67	40.35	29.69	17.06	57.41	46.75	68.3	54	-7.25	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol . (H/V)
1863.33	56.53	---	-6.86	49.67	---	68.3	54	-18.63	Peak	V
10433.33	42.05	30.89	17.38	59.43	48.27	68.3	54	-5.73	AVG	V
1396.67	66.16	42.07	-10.66	55.5	31.41	68.3	54	-22.59	AVG	H
10433.33	43.07	30.31	17.38	60.45	47.69	68.3	54	-6.31	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1921.67	53.82	---	-6.27	47.55	---	68.3	54	-20.75	Peak	V
10483.33	39.83	30.18	17.62	57.45	47.8	68.3	54	-6.2	AVG	V
N/A										
1396.67	63.43	42.26	-10.66	52.77	31.6	68.3	54	-22.4	AVG	H
10483.33	39.54	30.06	17.62	57.16	47.68	68.3	54	-6.32	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5180 ~ 5240MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	54.14	---	-7.57	46.57	---	68.3	54	-21.73	Peak	V
10350.00	38.48	30.06	16.98	55.46	47.04	68.3	54	-6.96	AVG	V
N/A										
1396.67	63.99	42.11	-10.66	53.33	31.45	68.3	54	-22.55	AVG	H
10350.00	39.77	30.17	16.98	56.75	47.15	68.3	54	-6.85	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
/ 5180 ~ 5240MHz / CH Mid

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankau.li

Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
2061.67	54.14	---	-5.31	48.83	---	68.3	54	-19.47	Peak	V
10433.33	38.47	30.09	17.38	55.85	47.47	68.3	54	-6.53	AVG	V
N/A										
1396.67	59.9	---	-10.66	49.24	---	68.3	54	-19.06	Peak	H
10433.33	38.99	30.11	17.38	56.37	47.49	68.3	54	-6.51	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5180 ~ 5240MHz / CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	54.33	---	-5.91	48.42	---	68.3	54	-19.88	Peak	V
10483.33	38.2	30.16	17.62	55.82	47.78	68.3	54	-6.22	AVG	V
N/A										
1396.67	63.76	42.16	-10.66	53.1	31.5	68.3	54	-22.5	AVG	H
10483.33	38.97	30.37	17.62	56.59	47.99	68.3	54	-6.01	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 5190 ~ 5230MHz /CH Low
Humidity: 25°C
 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	54.31	---	-7.57	46.74	---	68.3	54	-21.56	Peak	V
10380.00	38.65	30.23	16.98	55.63	47.21	68.3	54	-6.79	AVG	V
N/A										
1396.67	64.16	42.28	-10.66	53.5	31.62	68.3	54	-22.38	AVG	H
10380.00	39.94	30.34	16.98	56.92	47.32	68.3	54	-6.68	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	54.5	---	-5.91	48.59	---	68.3	54	-19.71	Peak	V
10463.33	38.37	30.33	17.62	55.99	47.95	68.3	54	-6.05	AVG	V
N/A										
1396.67	63.93	42.33	-10.66	53.27	31.67	68.3	54	-22.33	AVG	H
10463.33	39.14	30.54	17.62	56.76	48.16	68.3	54	-5.84	AVG	H
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).

23dBi Panel Antenna

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
CH Low

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankuai.li

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant. Pol. (H/V)
1653.33	54.82	---	-8.99	45.83	---	68.3	54	-22.47	Peak	V
10350.00	40	30.18	16.98	56.98	47.16	68.3	54	-6.84	AVG	V
N/A										
1396.67	60.95	41.94	-10.66	50.29	31.28	68.3	54	-22.72	AVG	H
10366.67	40.22	29.56	17.06	57.28	46.62	68.3	54	-7.38	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
CH Mid
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol . (H/V)
1863.33	54.3	---	-6.86	47.44	---	68.3	54	-20.86	Peak	V
10433.33	39.82	30.76	17.38	57.2	48.14	68.3	54	-5.86	AVG	V
1396.67	63.93	41.94	-10.66	53.27	31.28	68.3	54	-22.72	AVG	H
10433.33	40.84	30.18	17.38	58.22	47.56	68.3	54	-6.44	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1921.67	53.69	---	-6.27	47.42	---	68.3	54	-20.88	Peak	V
10483.33	39.7	30.05	17.62	57.32	47.67	68.3	54	-6.33	AVG	V
N/A										
1396.67	63.3	42.13	-10.66	52.64	31.47	68.3	54	-22.53	AVG	H
10483.33	39.41	29.93	17.62	57.03	47.55	68.3	54	-6.45	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
 5180 ~ 5240MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	54.01	---	-7.57	46.44	---	68.3	54	-21.86	Peak	V
10350.00	38.35	29.93	16.98	55.33	46.91	68.3	54	-7.09	AVG	V
N/A										
1396.67	63.86	41.98	-10.66	53.2	31.32	68.3	54	-22.68	AVG	H
10350.00	39.64	30.04	16.98	56.62	47.02	68.3	54	-6.98	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
/ 5180 ~ 5240MHz / CH Mid

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankau.li

Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
2061.67	54.6	---	-5.31	49.29	---	68.3	54	-19.01	Peak	V
10433.33	38.34	29.96	17.38	55.72	47.34	68.3	54	-6.66	AVG	V
N/A										
1396.67	59.77	---	-10.66	49.11	---	68.3	54	-19.19	Peak	H
10433.33	38.86	29.98	17.38	56.24	47.36	68.3	54	-6.64	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5180 ~ 5240MHz / CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	54.2	---	-5.91	48.29	---	68.3	54	-20.01	Peak	V
10483.33	38.07	30.03	17.62	55.69	47.65	68.3	54	-6.35	AVG	V
N/A										
1396.67	63.63	42.03	-10.66	52.97	31.37	68.3	54	-22.63	AVG	H
10483.33	38.84	30.24	17.62	56.46	47.86	68.3	54	-6.14	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
 5190 ~ 5230MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	54.01	---	-7.57	46.44	---	68.3	54	-21.86	Peak	V
10380.00	38.35	29.93	16.98	55.33	46.91	68.3	54	-7.09	AVG	V
N/A										
1396.67	63.86	41.98	-10.66	53.2	31.32	68.3	54	-22.68	AVG	H
10380.00	39.64	30.04	16.98	56.62	47.02	68.3	54	-6.98	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	54.2	---	-5.91	48.29	---	68.3	54	-20.01	Peak	V
10463.33	38.07	30.03	17.62	55.69	47.65	68.3	54	-6.35	AVG	V
N/A										
1396.67	63.63	42.03	-10.66	52.97	31.37	68.3	54	-22.63	AVG	H
10463.33	38.84	30.24	17.62	56.46	47.86	68.3	54	-6.14	AVG	H
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).

30dBi Dish Antenna

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
CH Low

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankuai.li

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant. Pol. (H/V)
1653.33	55.61	---	-8.99	46.62	---	68.3	54	-21.68	Peak	V
10350.00	40.79	30.97	16.98	57.77	47.95	68.3	54	-6.05	AVG	V
N/A										
1396.67	61.74	42.73	-10.66	51.08	32.07	68.3	54	-21.93	AVG	H
10366.67	41.01	30.35	17.06	58.07	47.41	68.3	54	-6.59	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
 CH Mid
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol . (H/V)
1863.33	55.09	---	-6.86	48.23	---	68.3	54	-20.07	Peak	V
10433.33	40.61	31.55	17.38	57.99	48.93	68.3	54	-5.07	AVG	V
1396.67	64.72	42.73	-10.66	54.06	32.07	68.3	54	-21.93	AVG	H
10433.33	41.63	30.97	17.38	59.01	48.35	68.3	54	-5.65	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5180 ~ 5240MHz
CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1921.67	54.48	---	-6.27	48.21	---	68.3	54	-20.09	Peak	V
10483.33	40.49	30.84	17.62	58.11	48.46	68.3	54	-5.54	AVG	V
N/A										
1396.67	64.09	42.92	-10.66	53.43	32.26	68.3	54	-21.74	AVG	H
10483.33	40.2	30.72	17.62	57.82	48.34	68.3	54	-5.66	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
 5180 ~ 5240MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	55.56	---	-7.57	47.99	---	68.3	54	-20.31	Peak	V
10350.00	41.57	31.92	16.98	58.55	48.9	68.3	54	-5.1	AVG	V
N/A										
1396.67	65.17	44	-10.66	54.51	33.34	68.3	54	-20.66	AVG	H
10350.00	41.28	31.8	16.98	58.26	48.78	68.3	54	-5.22	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
/ 5180 ~ 5240MHz / CH Mid

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankau.li

Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
2061.67	55.09	---	-5.31	49.78	---	68.3	54	-18.52	Peak	V
10433.33	38.83	30.45	17.38	56.21	47.83	68.3	54	-6.17	AVG	V
N/A										
1396.67	60.26	---	-10.66	49.6	---	68.3	54	-18.7	Peak	H
10433.33	39.35	30.47	17.38	56.73	47.85	68.3	54	-6.15	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5180 ~ 5240MHz / CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	54.69	---	-5.91	48.78	---	68.3	54	-19.52	Peak	V
10483.33	38.56	30.52	17.62	56.18	48.14	68.3	54	-5.86	AVG	V
N/A										
1396.67	64.12	42.52	-10.66	53.46	31.86	68.3	54	-22.14	AVG	H
10483.33	39.33	30.73	17.62	56.95	48.35	68.3	54	-5.65	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 5190 ~ 5230MHz /CH Low
Humidity: 25°C
 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	54.5	---	-7.57	46.93	---	68.3	54	-21.37	Peak	V
10380.00	38.84	30.42	16.98	55.82	47.4	68.3	54	-6.6	AVG	V
N/A										
1396.67	64.35	42.47	-10.66	53.69	31.81	68.3	54	-22.19	AVG	H
10380.00	40.13	30.53	16.98	57.11	47.51	68.3	54	-6.49	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	54.69	---	-5.91	48.78	---	68.3	54	-19.52	Peak	V
10463.33	38.56	30.52	17.62	56.18	48.14	68.3	54	-5.86	AVG	V
N/A										
1396.67	64.12	42.52	-10.66	53.46	31.86	68.3	54	-22.14	AVG	H
10463.33	39.33	30.73	17.62	56.95	48.35	68.3	54	-5.65	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$

Above 1 GHz
3dBi Omni-directional Antenna

Operation Mode: Tx / IEEE 802.11a mode / 5745 ~ 5825MHz
 CH Low

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankuai.li

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak)	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	Ant. Pol. (H/V)
1658.33	53.78	---	-8.99	44.79	---	68.3	54	-23.51	Peak	V
11490.00	38.96	31.36	18.68	57.64	50.04	68.3	54	-3.96	AVG	V
N/A										
1400.67	49.91	41.12	-10.66	39.25	30.46	68.3	54	-23.54	AVG	H
11490.67	39.18	29.74	18.68	57.86	48.42	68.3	54	-5.58	AVG	H
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).

Tx / IEEE 802.11a mode / 5745 ~ 5825MHz

Operation Mode: CH Mid

Test Date: 2014-8-5

Temperature: 25°C

Tested by: Jiankuai.li

Humidity: 50% RH

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1863.33	53.26	---	-6.86	46.4	---	68.3	54	-21.9	Peak	V
11570.33	38.78	31.22	18.77	57.55	49.99	68.3	54	-4.01	AVG	V
1396.67	52.89	42.12	-10.66	42.23	31.46	68.3	54	-22.54	AVG	H
11570.33	39.8	30.36	18.77	58.57	49.13	68.3	54	-4.87	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5745 ~ 5825MHz
CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol . (H/V)
1921.67	50.87	---	-6.27	44.6	---	68.3	54	-23.7	Peak	V
11650.33	41.88	31.23	18.86	60.74	50.09	68.3	54	-3.91	AVG	V
N/A										
1396.67	60.48	42.31	-10.66	49.82	31.65	68.3	54	-22.35	AVG	H
11650.33	44.22	30.21	18.86	63.08	49.07	68.3	54	-4.93	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
 5745 ~ 5825MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	52.19	---	-7.57	44.62	---	68.3	54	-23.68	Peak	V
11490.00	40.11	31.23	18.68	58.79	49.91	68.3	54	-4.09	AVG	V
N/A										
1396.67	54.32	42.16	-10.66	43.66	31.5	68.3	54	-22.5	AVG	H
11490.00	40.21	31.2	18.68	58.89	49.88	68.3	54	-4.12	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
/5745 ~ 5825MHz / CH Mid

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankau.li

Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
2061.67	52.12	---	-5.31	46.81	---	68.3	54	-21.49	Peak	V
11570.33	34.35	29.33	18.77	53.12	48.1	68.3	54	-5.9	AVG	V
N/A										
1396.67	50.95	---	-10.66	40.29	---	68.3	54	-28.01	Peak	H
11570.33	40.32	31.02	18.77	59.09	49.79	68.3	54	-4.21	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5745 ~ 5825MHz / CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1356.67	55.38	---	-5.91	49.47	---	68.30	54.00	-4.53	Peak	V
11650.33	39.25	31.21	18.86	56.87	48.83	68.30	54.00	-5.17	AVG	V
N/A										
1396.67	52.33	---	-5.91	46.42	---	68.3	54	-21.88	AVG	H
11650.33	39.86	31.32	18.86	58.72	50.18	68.3	54	-3.82	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
5755 ~ 5795MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	54.36	---	-7.57	46.79	---	68.3	54	-21.51	Peak	V
11510.00	40.33	32.11	18.71	59.04	50.82	68.3	54	-3.18	AVG	V
N/A										
1396.67	56.33	44.44	-10.66	45.67	33.78	68.3	54	-20.22	AVG	H
11510.00	41.24	31.23	18.71	59.95	49.94	68.3	54	-4.06	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	53.21	---	-5.91	47.3	---	68.3	54	-21	Peak	V
11590.33	40.12	30.59	18.8	58.92	49.39	68.3	54	-4.61	AVG	V
N/A										
1396.67	54.81	40.21	-10.66	29.55	29.55	68.3	54	-24.45	AVG	H
11590.33	40.55	31.66	18.8	50.46	50.46	68.3	54	-3.54	AVG	H
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).

Above 1 GHz
12dBi Omni-directional Antenna

Operation Mode: Tx / IEEE 802.11a mode / 5745 ~ 5825MHz
 CH Low

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankuai.li

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1658.66	52.33	---	-8.99	43.34	---	68.3	54	-24.96	Peak	V
11490.00	40.25	30.56	18.68	58.93	49.24	68.3	54	-4.76	AVG	V
N/A										
1402.67	50.32	43.23	-10.66	39.66	32.57	68.3	54	-21.43	AVG	H
11490.67	40.28	30.74	18.68	58.96	49.42	68.3	54	-4.58	AVG	H
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).

Tx / IEEE 802.11a mode / 5745 ~ 5825MHz

Operation Mode: CH Mid

Test Date: 2014-8-5

Temperature: 25°C

Tested by: Jiankuai.li

Humidity: 50% RH

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1864.56	52.56	---	-6.86	45.7	---	68.3	54	-22.6	Peak	V
11570.33	42.78	31.88	18.77	61.55	50.65	68.3	54	-3.35	AVG	V
1397.55	52.56	45.4	-10.66	41.9	34.74	68.3	54	-19.26	AVG	H
11570.33	39.89	30.1	18.77	58.66	48.87	68.3	54	-5.13	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5745 ~ 5825MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol . (H/V)
1921.67	50.84	---	-6.27	44.57	---	68.3	54	-23.73	Peak	V
11650.33	42.56	31.55	18.86	61.42	50.41	68.3	54	-3.59	AVG	V
N/A										
1396.67	58.48	42.66	-10.66	47.82	32	68.3	54	-22	AVG	H
11650.33	44.66	30.56	18.86	63.52	49.42	68.3	54	-4.58	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
 5745 ~ 5825MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	50.19	---	-7.57	42.62	---	68.3	54	-11.38	Peak	V
11490.00	40.16	30.88	18.68	58.84	49.56	68.3	54	-4.44	AVG	V
N/A										
1396.67	54.39	43.32	-10.66	43.73	32.66	68.3	54	-21.34	AVG	H
11490.00	40	31.22	18.68	58.68	49.9	68.3	54	-4.1	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
/5745 ~ 5825MHz / CH Mid

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankau.li

Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
2061.67	53.02	---	-5.31	47.71	---	68.3	54	-20.59	Peak	V
11570.33	35.66	29.38	18.77	54.43	48.15	68.3	54	-5.85	AVG	V
N/A										
1396.67	50.55	---	-10.66	39.89	---	68.3	54	-28.41	Peak	H
11570.33	40.38	31.55	18.77	59.15	50.32	68.3	54	-3.68	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5745 ~ 5825MHz / CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1356.67	52.33	---	-5.91	46.42	---	68.3	54	-21.88	Peak	V
11650.33	39.89	30.23	18.86	58.75	49.09	68.3	54	-4.91	AVG	V
N/A										
1396.67	50.33	---	-5.91	44.42	---	68.3	54	-23.88	AVG	H
11650.33	40.32	30.22	18.86	59.18	49.08	68.3	54	-4.92	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 5755 ~ 5795MHz /CH Low
Humidity: 25°C
 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	52.33	---	-7.57	44.76	---	68.3	54	-23.54	Peak	V
11510.00	40.68	30.89	18.71	59.39	49.6	68.3	54	-4.4	AVG	V
N/A										
1396.67	54.32	45.68	-10.66	43.66	35.02	68.3	54	-18.98	AVG	H
11510.00	42.33	31	18.71	61.04	49.71	68.3	54	-4.29	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	54.66	---	-5.91	48.75	---	68.3	54	-19.55	Peak	V
11590.33	40.68	29.56	18.8	59.48	48.36	68.3	54	-5.64	AVG	V
N/A										
1396.67	53.56	40.44	-10.66	42.9	29.78	68.3	54	-24.22	AVG	H
11590.33	41.23	29.56	18.8	60.03	48.36	68.3	54	-5.64	AVG	H
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).

Above 1 GHz
19dBi Sector Antenna

Operation Mode: Tx / IEEE 802.11a mode / 5745 ~ 5825MHz
 CH Low

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankuai.li

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1658.66	50.11	---	-8.99	41.12	---	68.3	54	-27.18	Peak	V
11490.00	41.23	31.25	18.68	59.91	49.93	68.3	54	-4.07	AVG	V
N/A										
1402.67	51.45	43.56	-10.66	40.79	32.9	68.3	54	-21.1	AVG	H
11490.67	40.55	30.22	18.68	59.23	48.9	68.3	54	-5.1	AVG	H
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).

Tx / IEEE 802.11a mode / 5745 ~ 5825MHz

Operation Mode: CH Mid

Test Date: 2014-8-5

Temperature: 25°C

Tested by: Jiankuai.li

Humidity: 50% RH

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1864.56	50.11	---	-6.86	43.25	---	68.3	54	-25.05	Peak	V
11570.33	41.33	30.22	18.77	60.1	48.99	68.3	54	-5.01	AVG	V
1397.55	50.22	44.23	-10.66	39.56	33.57	68.3	54	-20.43	AVG	H
11570.33	40.12	30.55	18.77	58.89	49.32	68.3	54	-4.68	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5745 ~ 5825MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant. Pol. (H/V)
1921.67	50.22	---	-6.27	43.95	---	68.3	54	-24.35	Peak	V
11650.33	41.55	30.56	18.86	60.41	49.42	68.3	54	-4.58	AVG	V
N/A										
1386.67	58.48	42.66	-10.66	47.82	32	68.3	54	-22	AVG	H
11650.33	44.66	30.56	18.86	63.52	49.42	68.3	54	-4.58	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
 5745 ~ 5825MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	50.19	---	-7.57	42.62	---	68.3	54	-11.38	Peak	V
11490.00	40.16	30.88	18.68	58.84	49.56	68.3	54	-4.44	AVG	V
N/A										
1396.67	54.39	43.32	-10.66	43.73	32.66	68.3	54	-21.34	AVG	H
11490.00	40	31.22	18.68	58.68	49.9	68.3	54	-4.1	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
/5745 ~ 5825MHz / CH Mid

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankau.li

Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
2061.67	52.33	---	-5.31	47.02	---	68.3	54	-21.28	Peak	V
11570.33	38.66	29.89	18.77	57.43	48.66	68.3	54	-5.34	AVG	V
N/A										
1396.67	51.32	---	-10.66	40.66	---	68.3	54	-27.64	Peak	H
11570.33	40.66	30.25	18.77	59.43	49.02	68.3	54	-4.98	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5745 ~ 5825MHz / CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1356.67	53.22	---	-5.91	47.31	---	68.3	54	-20.99	Peak	V
11650.33	40.89	31.22	18.86	59.75	50.08	68.3	54	-3.92	AVG	V
N/A										
1396.67	50.67	---	-5.91	44.76	---	68.3	54	-23.54	AVG	H
11650.33	42.32	30.88	18.86	61.18	49.74	68.3	54	-4.26	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 5755 ~ 5795MHz /CH Low
Humidity: 25°C
 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	50.33	---	-7.57	42.76	---	68.3	54	-25.54	Peak	V
11510.00	41.33	29.66	18.71	60.04	48.37	68.3	54	-5.63	AVG	V
N/A										
1396.67	52.32	44.33	-10.66	41.66	33.67	68.3	54	-20.33	AVG	H
11510.00	42.55	30.99	18.71	61.26	49.7	68.3	54	-4.3	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	53.22	---	-5.91	47.31	---	68.3	54	-20.99	Peak	V
11590.33	40.56	30.25	18.8	59.36	49.05	68.3	54	-4.95	AVG	V
N/A										
1396.67	53.56	40.44	-10.66	42.9	29.78	68.3	54	-24.22	AVG	H
11590.33	41.23	29.56	18.8	60.03	48.36	68.3	54	-5.64	AVG	H
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).

Above 1 GHz
23dBi Directional Antenna

Operation Mode: Tx / IEEE 802.11a mode / 5745 ~ 5825MHz
 CH Low

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankuai.li

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1611.22	51.36	---	-8.99	42.37	---	68.3	54	-25.93	Peak	V
11490.00	42.33	30.98	18.68	61.01	49.66	68.3	54	-4.34	AVG	V
N/A										
1403.22	51.33	48.6	-10.66	40.67	37.94	68.3	54	-16.06	AVG	H
11490.67	42.33	30.39	18.68	61.01	49.07	68.3	54	-4.93	AVG	H
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).

Tx / IEEE 802.11a mode / 5745 ~ 5825MHz

Operation Mode: CH Mid

Test Date: 2014-8-5

Temperature: 25°C

Tested by: Jiankuai.li

Humidity: 50% RH

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1864.56	51.33	---	-6.86	44.47	---	68.3	54	-23.83	Peak	V
11570.33	41.55	31.21	18.77	60.32	49.98	68.3	54	-4.02	AVG	V
1397.55	53.66	42.3	-10.66	43	31.64	68.3	54	-22.36	AVG	H
11570.33	40.23	30.6	18.77	59	49.37	68.3	54	-4.63	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5745 ~ 5825MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol . (H/V)
1955.32	50.56	---	-6.27	44.29	---	68.3	54	-24.01	Peak	V
11650.33	40.36	30.66	18.86	59.22	49.52	68.3	54	-4.48	AVG	V
N/A										
1388.69	50.48	41.65	-10.66	39.82	30.99	68.3	54	-23.01	AVG	H
11650.33	44	29.69	18.86	62.86	48.55	68.3	54	-5.45	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
 5745 ~ 5825MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1786.33	51.33	---	-7.57	43.76	---	68.3	54	-24.54	Peak	V
11490.00	40.59	30.22	18.68	59.27	48.9	68.3	54	-5.1	AVG	V
N/A										
1356.67	53.39	44.32	-10.66	42.73	33.66	68.3	54	-20.34	AVG	H
11490.00	40.55	30.25	18.68	59.23	48.93	68.3	54	-5.07	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
/5745 ~ 5825MHz / CH Mid

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankau.li

Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
2081.68	52.44	---	-5.31	47.13	---	68.3	54	-21.17	Peak	V
11570.33	38.66	30.55	18.77	57.43	49.32	68.3	54	-4.68	AVG	V
N/A										
1397.68	51.55	---	-10.66	40.89	---	68.3	54	-27.41	Peak	H
11570.33	40.66	31.23	18.77	59.43	50	68.3	54	-4	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5745 ~ 5825MHz / CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1366.67	51.33	---	-5.91	45.42	---	68.3	54	-22.88	Peak	V
11650.33	40.23	30.23	18.86	59.09	49.09	68.3	54	-4.91	AVG	V
N/A										
1398.67	50.38	---	-5.91	44.47	---	68.3	54	-23.83	AVG	H
11650.33	40.66	30.38	18.86	59.52	49.24	68.3	54	-4.76	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
5755 ~ 5795MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	51.45	---	-7.57	43.88	---	68.3	54	-24.42	Peak	V
11510.00	40.78	29.55	18.71	59.49	48.26	68.3	54	-5.74	AVG	V
N/A										
1396.67	51.32	42.56	-10.66	40.66	31.9	68.3	54	-22.1	AVG	H
11510.00	42.33	30.69	18.71	61.04	49.4	68.3	54	-4.6	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1956.67	52.33	---	-5.91	46.42	---	68.3	54	-21.88	Peak	V
11590.33	40.26	30.11	18.8	59.06	48.91	68.3	54	-5.09	AVG	V
N/A										
1396.67	52.88	40.78	-10.66	42.22	30.12	68.3	54	-23.88	AVG	H
11590.33	41.66	29.99	18.8	60.46	48.79	68.3	54	-5.21	AVG	H
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).

Above 1 GHz
30dBi Dish Antenna

Operation Mode: Tx / IEEE 802.11a mode / 5745 ~ 5825MHz

CH Low

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankuai.li

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant. Pol. (H/V)
1658.44	50.65	---	-8.99	41.66	---	68.3	54	-26.64	Peak	V
11490.00	40.85	31.12	18.68	59.53	49.8	68.3	54	-4.2	AVG	V
N/A										
1412.63	51.32	43.11	-10.66	40.66	32.45	68.3	54	-21.55	AVG	H
11490.67	42.33	30.22	18.68	61.01	48.9	68.3	54	-5.1	AVG	H
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).

Tx / IEEE 802.11a mode / 5745 ~ 5825MHz

Operation Mode: CH Mid

Test Date: 2014-8-5

Temperature: 25°C

Tested by: Jiankuai.li

Humidity: 50% RH

Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol. (H/V)
1854.32	54.55	---	-6.86	47.69	---	68.3	54	-20.61	Peak	V
11570.33	42.22	31.22	18.77	60.99	49.99	68.3	54	-4.01	AVG	V
1389.77	53.56	44.4	-10.66	42.9	33.74	68.3	54	-20.26	AVG	H
11570.33	40.89	30.12	18.77	59.66	48.89	68.3	54	-5.11	AVG	H
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).

Operation Mode: Tx / IEEE 802.11a mode / 5745 ~ 5825MHz
CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	Reading (Peak) (dBuV)	Reading (Average)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average)	Limit (Peak) (dBuV/m)	Limit (Average)	Margin (dB)	Remark	Ant.Pol . (H/V)
1921.52	50.89	---	-6.27	44.62	---	68.3	54	-23.68	Peak	V
11650.33	42.44	30.55	18.86	61.3	49.41	68.3	54	-4.59	AVG	V
N/A										
1393.22	55.48	42.26	-10.66	44.82	31.6	68.3	54	-22.4	AVG	H
11650.33	44.28	30.33	18.86	63.14	49.19	68.3	54	-4.81	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
 5745 ~ 5825MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	51.25	---	-7.57	43.68	---	68.3	54	-24.62	Peak	V
11490.00	41.16	31.22	18.68	59.84	49.9	68.3	54	-4.1	AVG	V
N/A										
1396.67	53.66	45.21	-10.66	43	34.55	68.3	54	-19.45	AVG	H
11490.00	40.58	30.66	18.68	59.26	49.34	68.3	54	-4.66	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
/5745 ~ 5825MHz / CH Mid

Temperature: 25°C

Humidity: 50% RH

Test Date: 2014-8-5

Tested by: Jiankau.li

Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
2061.67	54.88	---	-5.31	49.57	---	68.3	54	-18.73	Peak	V
11570.33	39.66	31.38	18.77	58.43	50.15	68.3	54	-3.85	AVG	V
N/A										
1396.66	51.55	---	-10.66	40.89	---	68.3	54	-27.41	Peak	H
11570.33	40.44	30.55	18.77	59.21	49.32	68.3	54	-4.68	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 20 MHz
5745 ~ 5825MHz / CH High
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1358.66	53.66	---	-5.91	47.75	---	68.3	54	-20.55	Peak	V
11650.33	40.23	30.77	18.86	59.09	49.63	68.3	54	-4.37	AVG	V
N/A										
1388.96	51.33	---	-5.91	45.42	---	68.3	54	-22.88	Peak	H
11650.33	42.33	30.1	18.86	61.19	48.96	68.3	54	-5.04	AVG	H
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).

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
5755 ~ 5795MHz /CH Low
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: Jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1793.33	52.33	---	-7.57	44.76	---	68.3	54	-23.54	Peak	V
11510.00	41.68	31.33	18.71	60.39	50.04	68.3	54	-3.96	AVG	V
N/A										
1396.67	52.2	45.68	-10.66	41.54	35.02	68.3	54	-18.98	AVG	H
11510.00	41.65	30.66	18.71	60.36	49.37	68.3	54	-4.63	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

Operation Mode: Tx / IEEE 802.11n HT 40 MHz
Temperature: 25°C
Humidity: 50% RH

Test Date: 2014-8-5
Tested by: jiankuai.li
Polarity: Ver. / Hor.

Frequency (MHz)	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	Ant.Pol. (H/V)
1968.67	52.66	---	-5.91	46.75	---	68.3	54	-21.55	Peak	V
11590.33	41.68	30.88	18.8	60.48	49.68	68.3	54	-4.32	AVG	V
N/A										
1398.67	53.86	40.58	-10.66	43.2	29.92	68.3	54	-24.08	AVG	H
11590.33	41.58	29.22	18.8	60.38	48.02	68.3	54	-5.98	AVG	H
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. $\text{Margin (dB)} = \text{Remark result (dBuV/m)} - \text{Average limit (dBuV/m)}$.

11. CONDUCTED UNDESIRABLE EMISSION

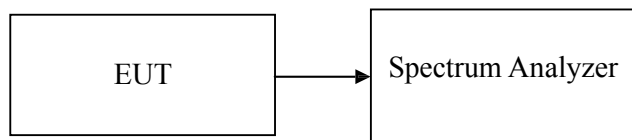
LIMIT

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.
For transmitters operating in the 5.725-5.85 GHz band: for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. 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.

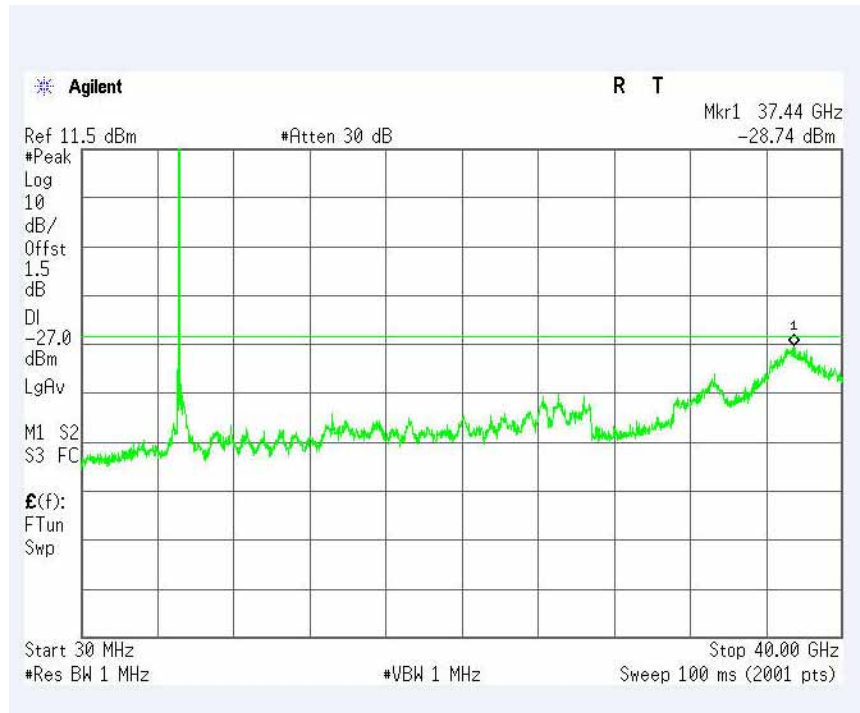
TEST RESULTS

No non-compliance noted

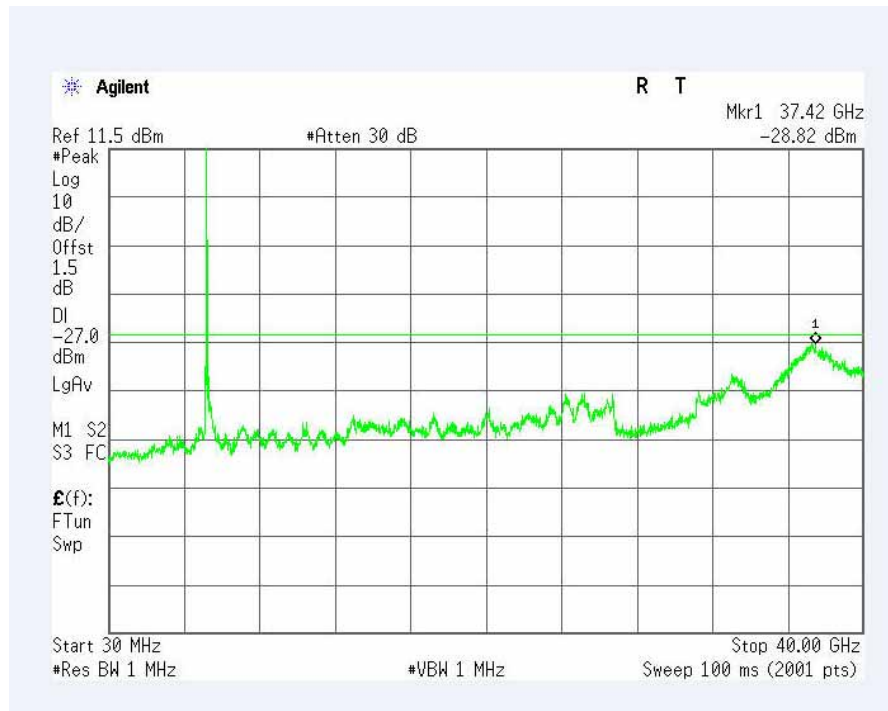
Chain 1

IEEE 802.11a (5180 ~ 5240MHz) CH

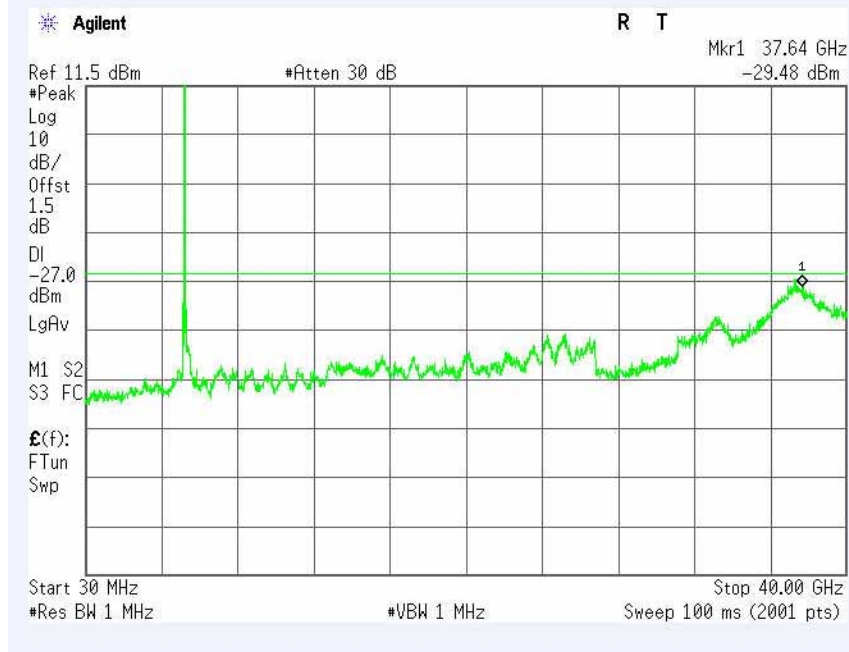
Low



CH Mid

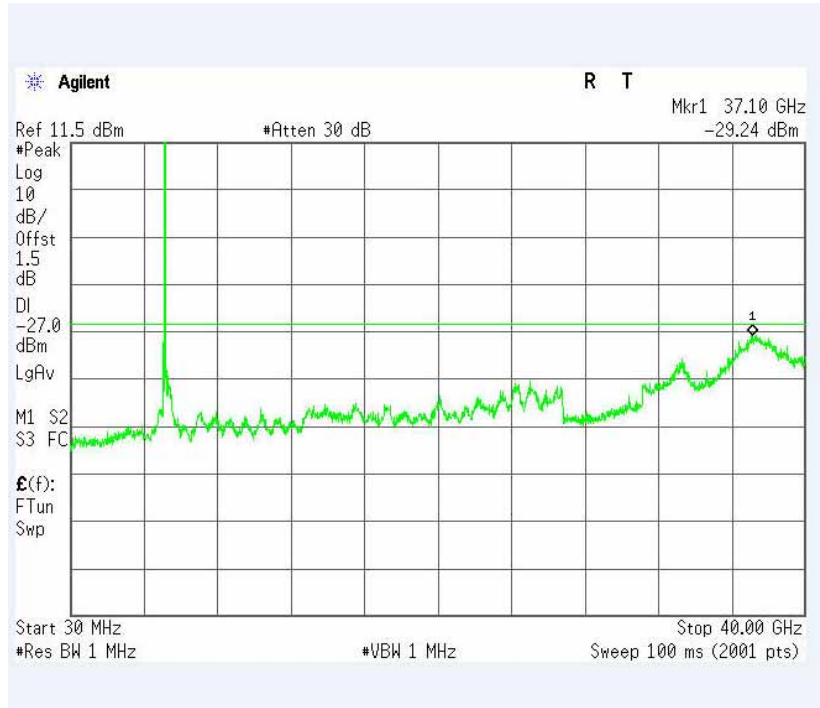


CH High

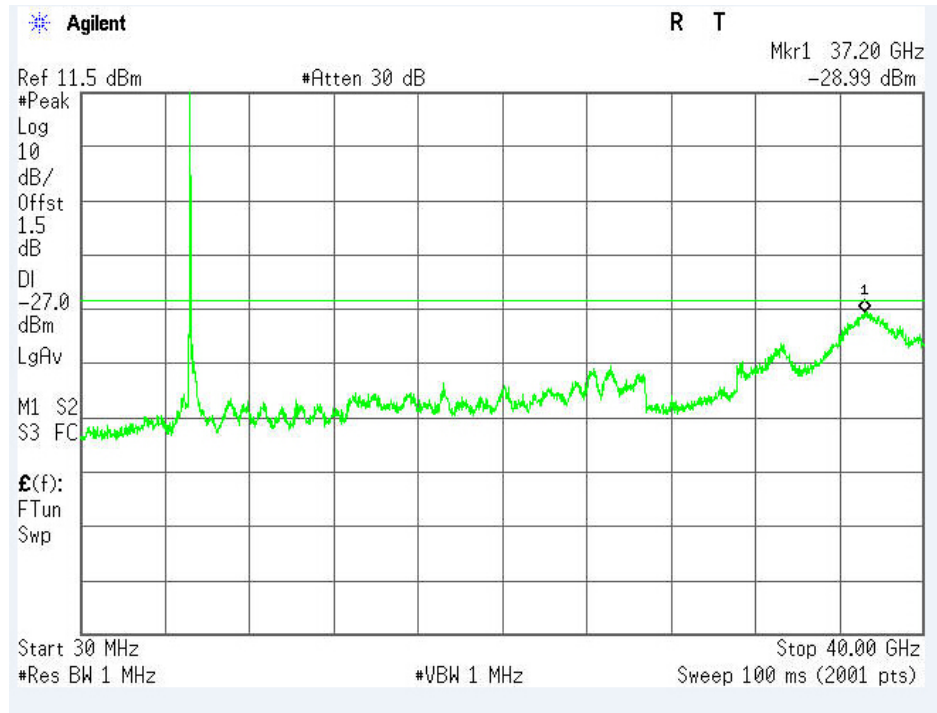


IEEE 802.11n HT 20 MHz (5180 ~ 5240MHz) CH

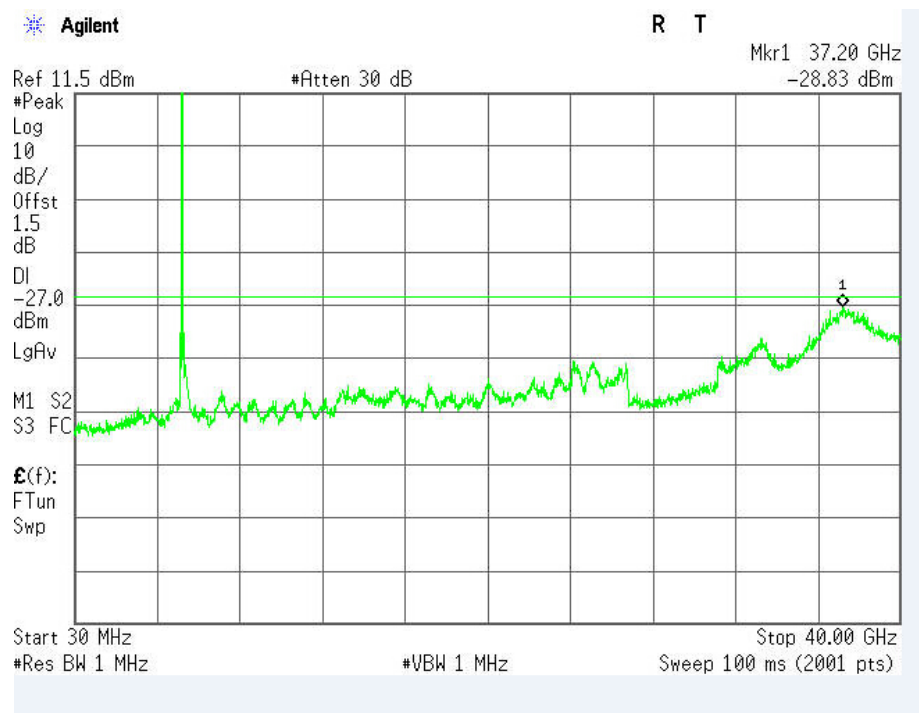
Low



CH Mid

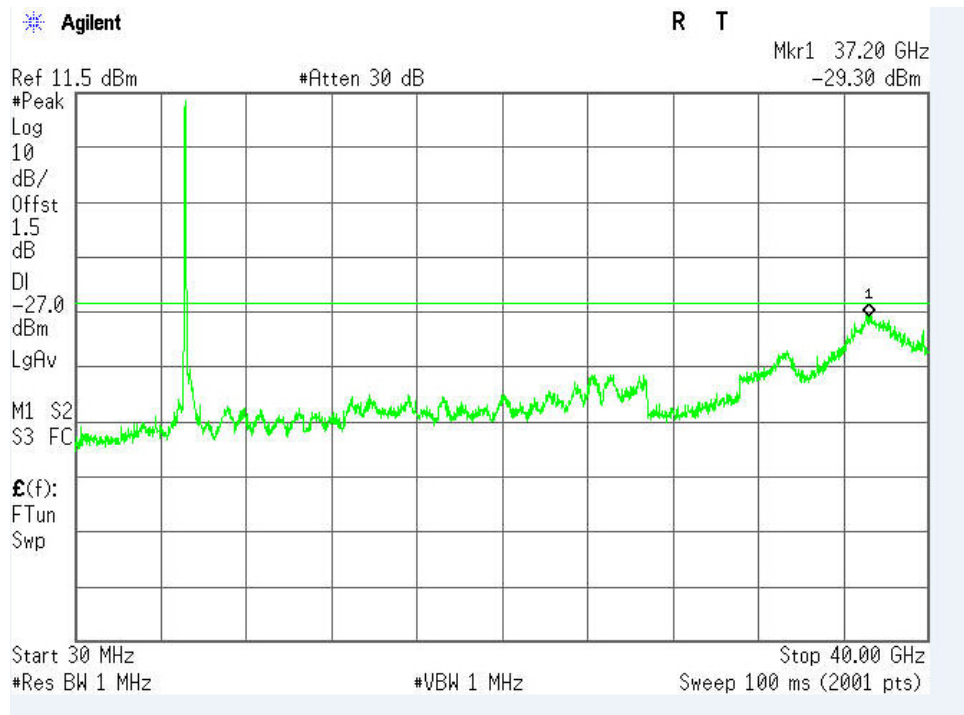


CH High

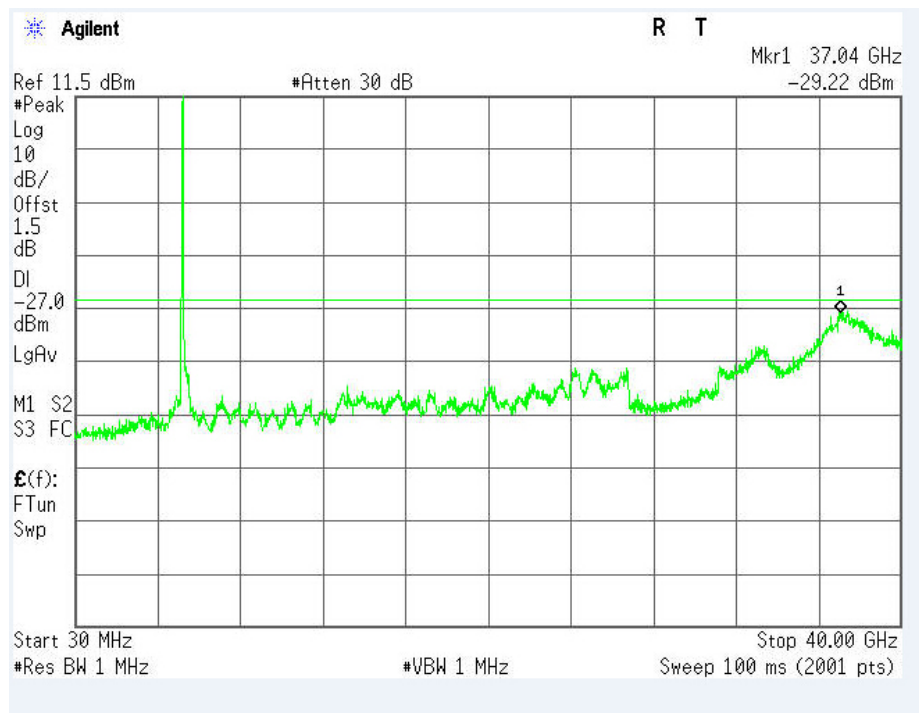


IEEE 802.11n HT 40 MHz (5190 ~ 5230MHz) CH

Low



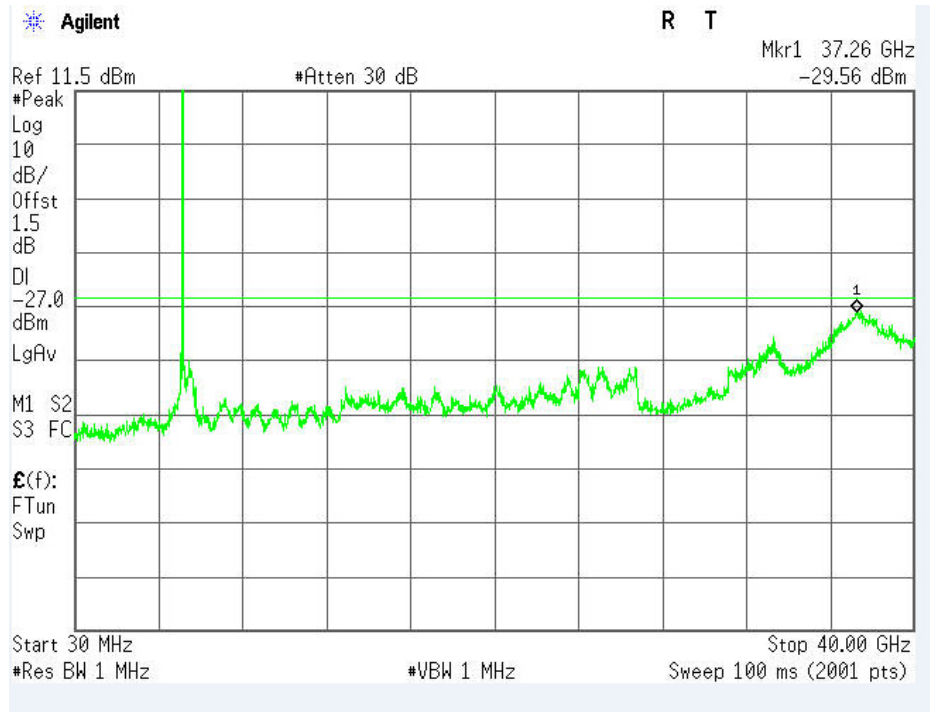
CH High



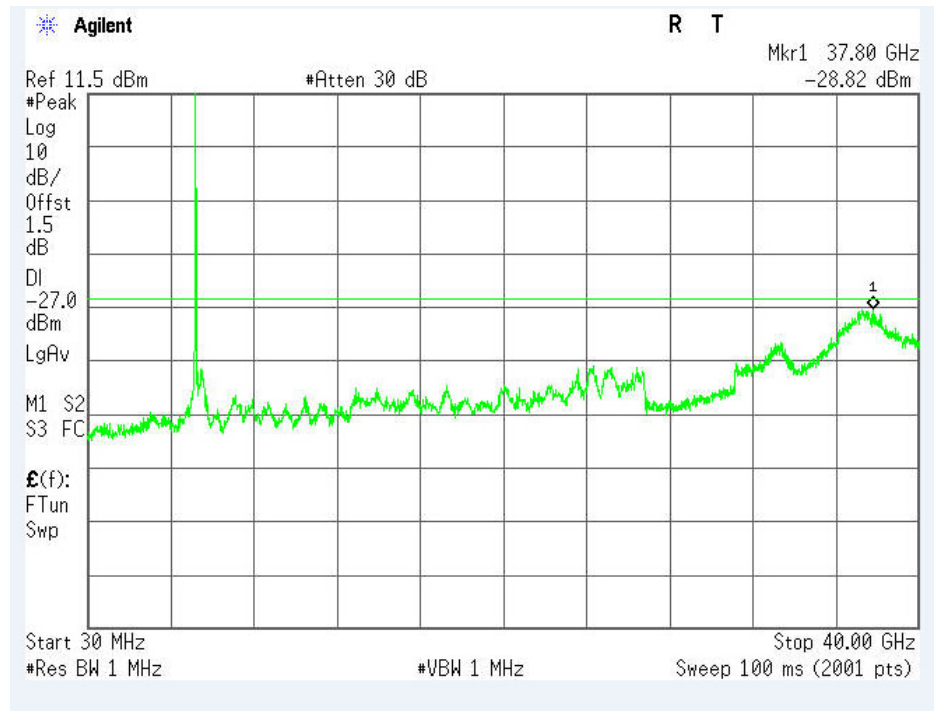
Chain 2

IEEE 802.11a (5180 ~ 5240MHz) CH

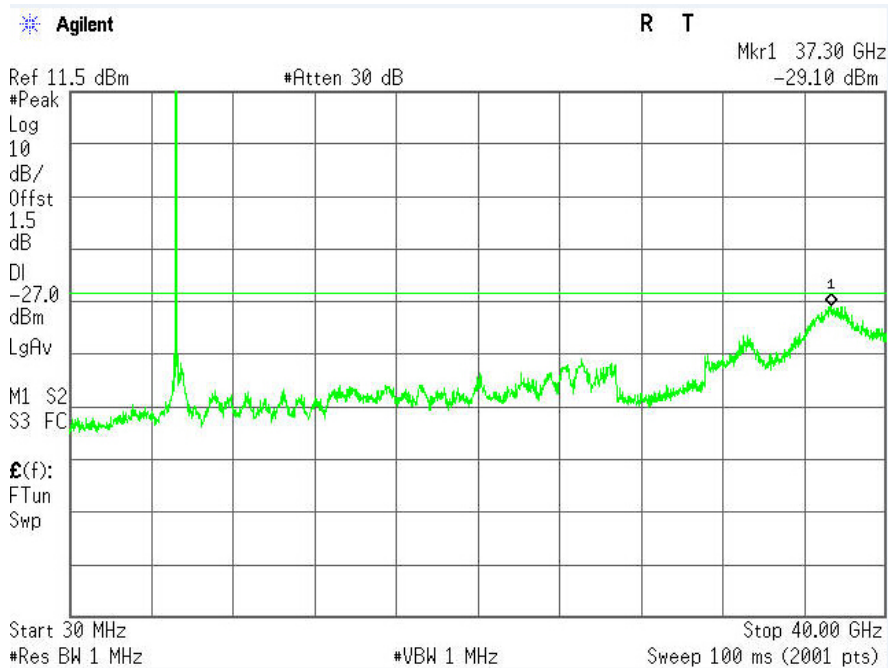
Low



CH Mid

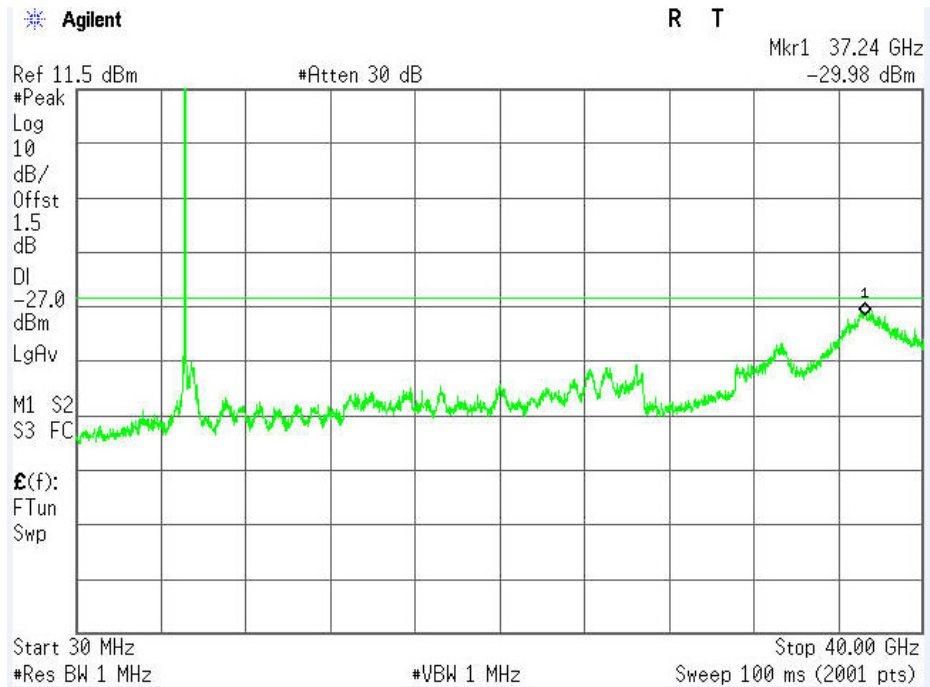


CH High

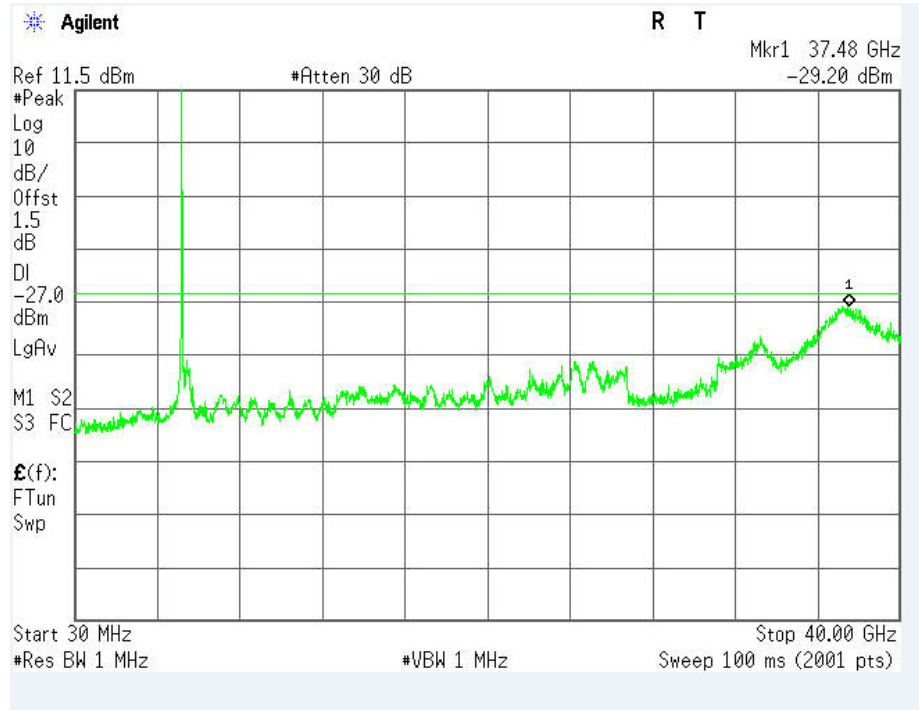


IEEE 802.11n HT 20 MHz (5180 ~ 5240MHz) CH

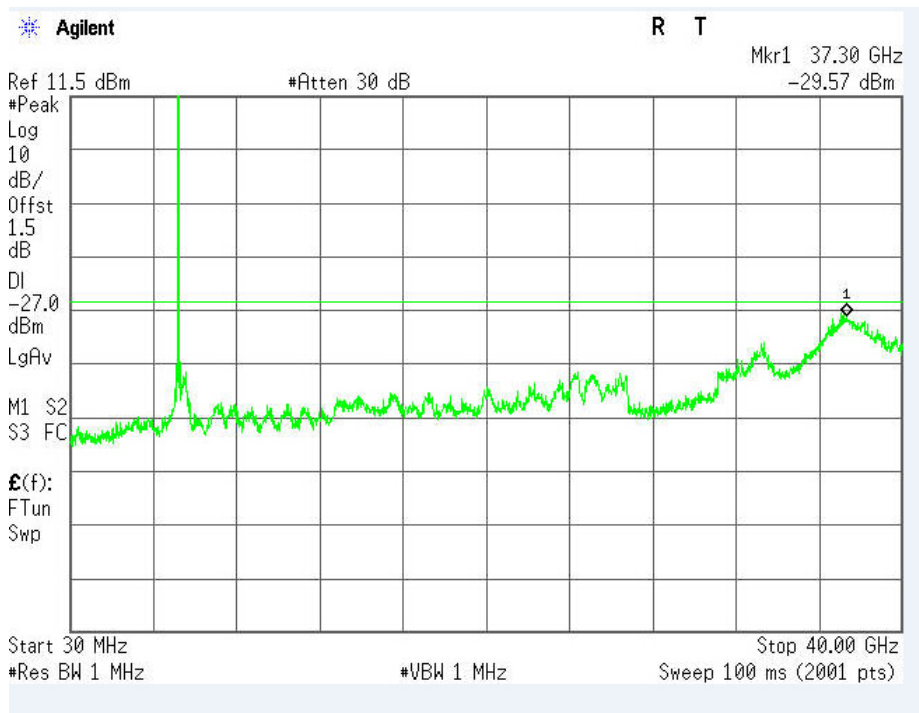
Low



CH Mid

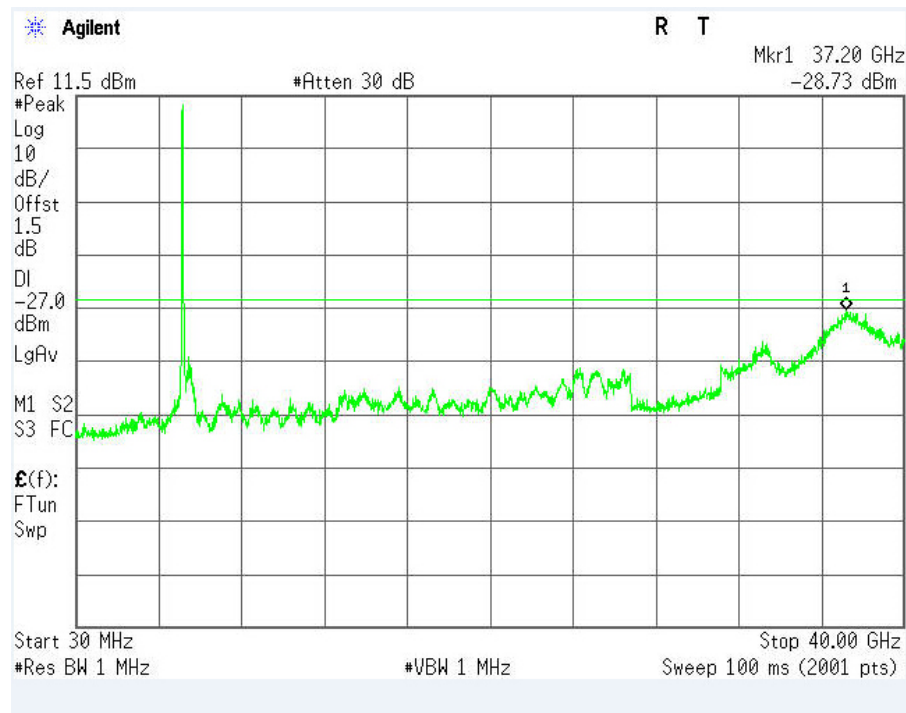


CH High

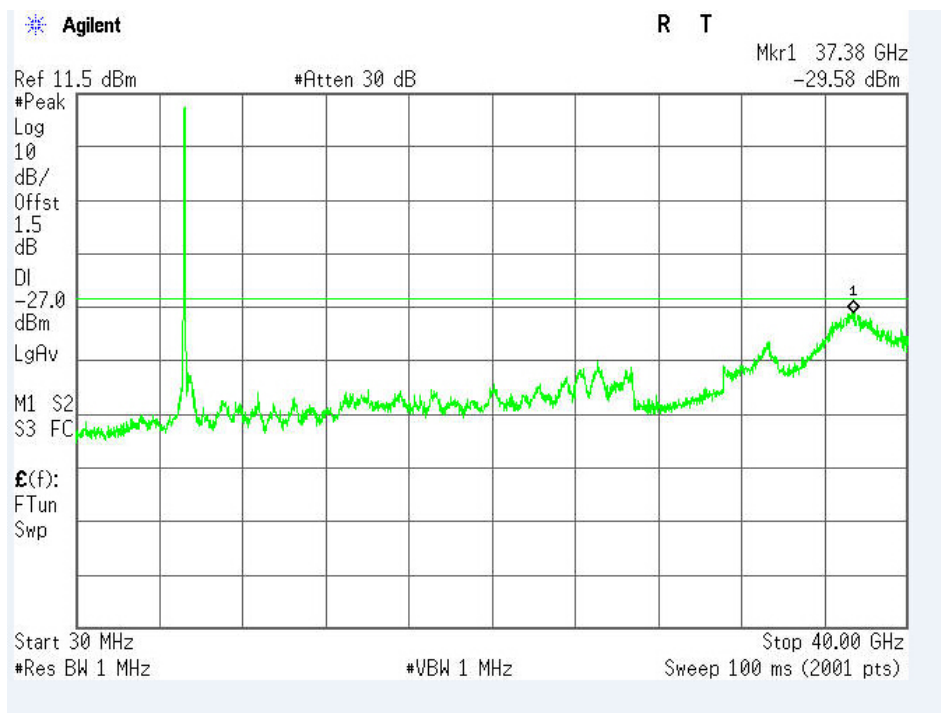


IEEE 802.11n HT 40 MHz (5190 ~ 5230MHz) CH

Low



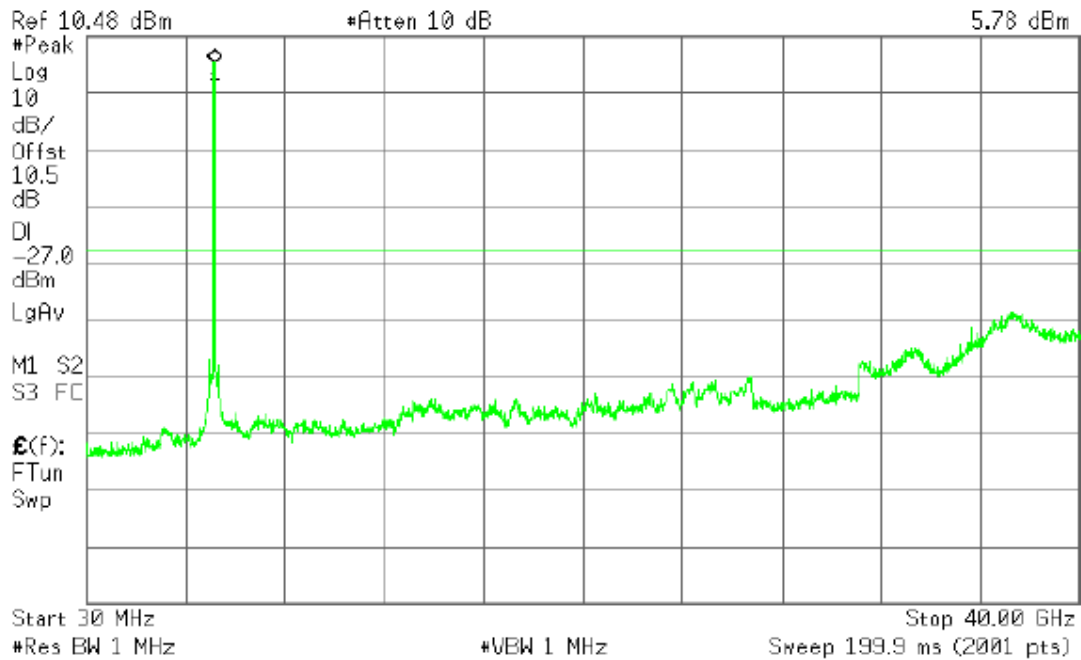
CH High



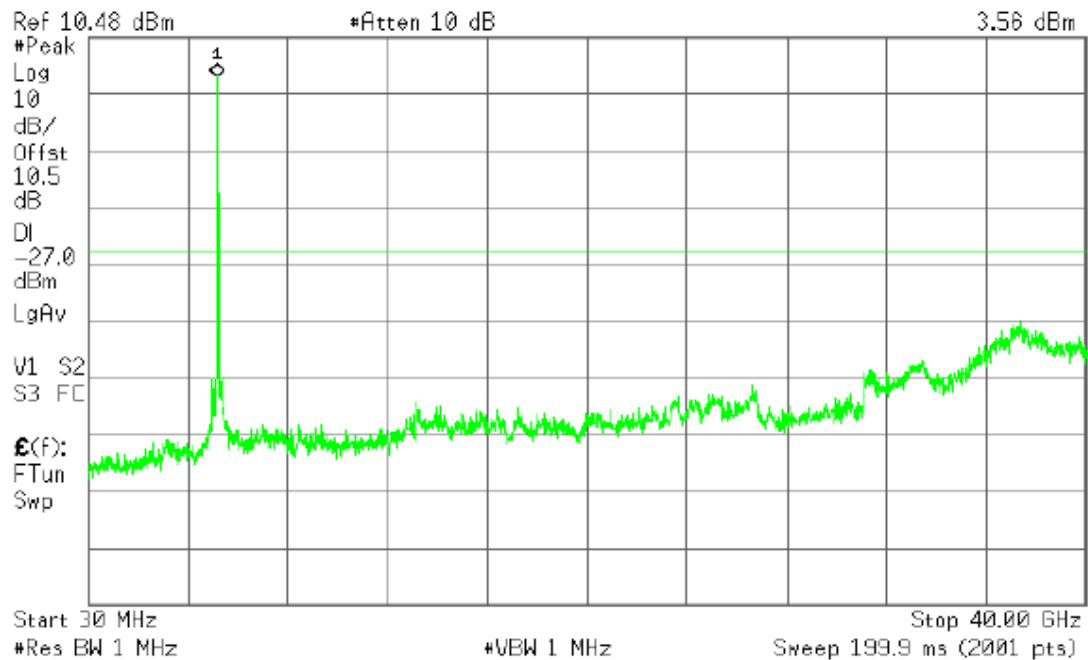
Chain 1

IEEE 802.11a (5745 ~ 5825MHz) CH

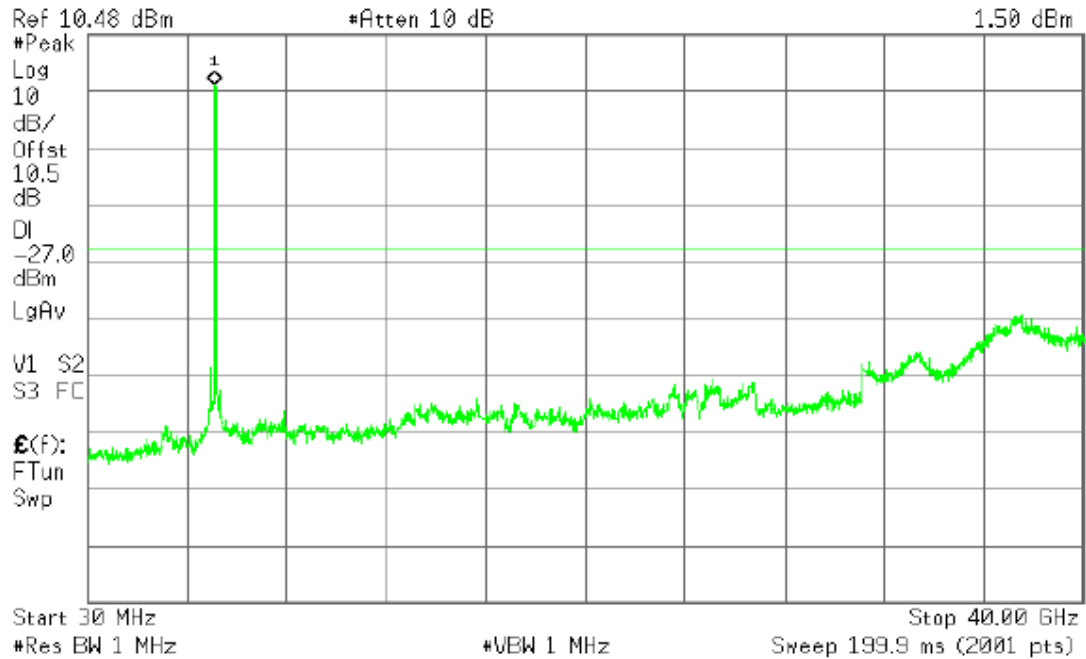
Low



CH Mid

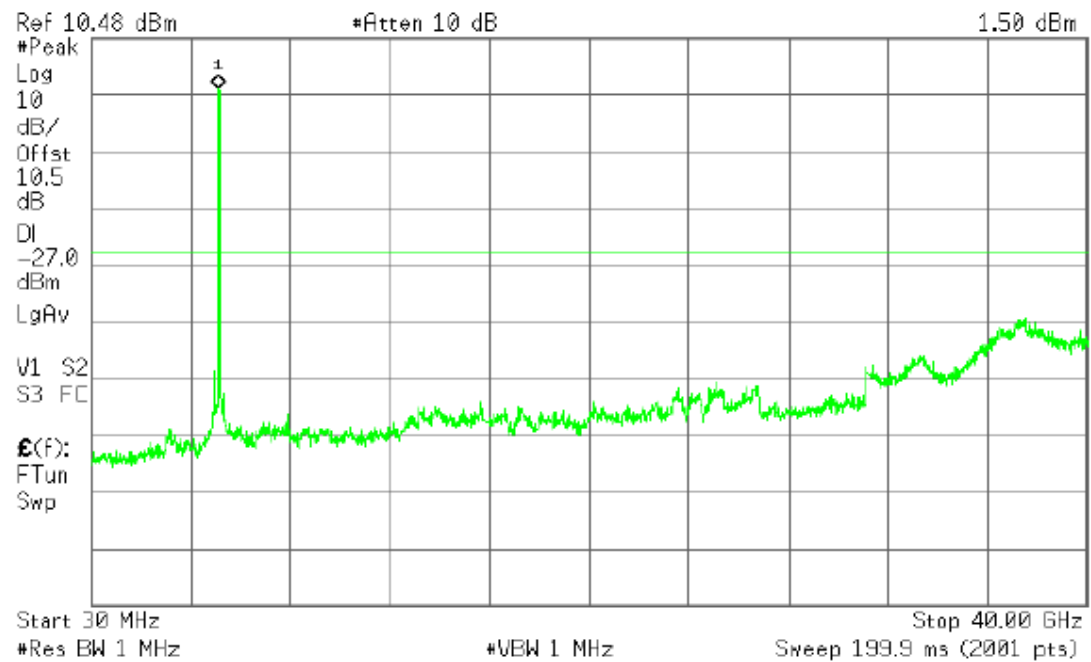


CH High

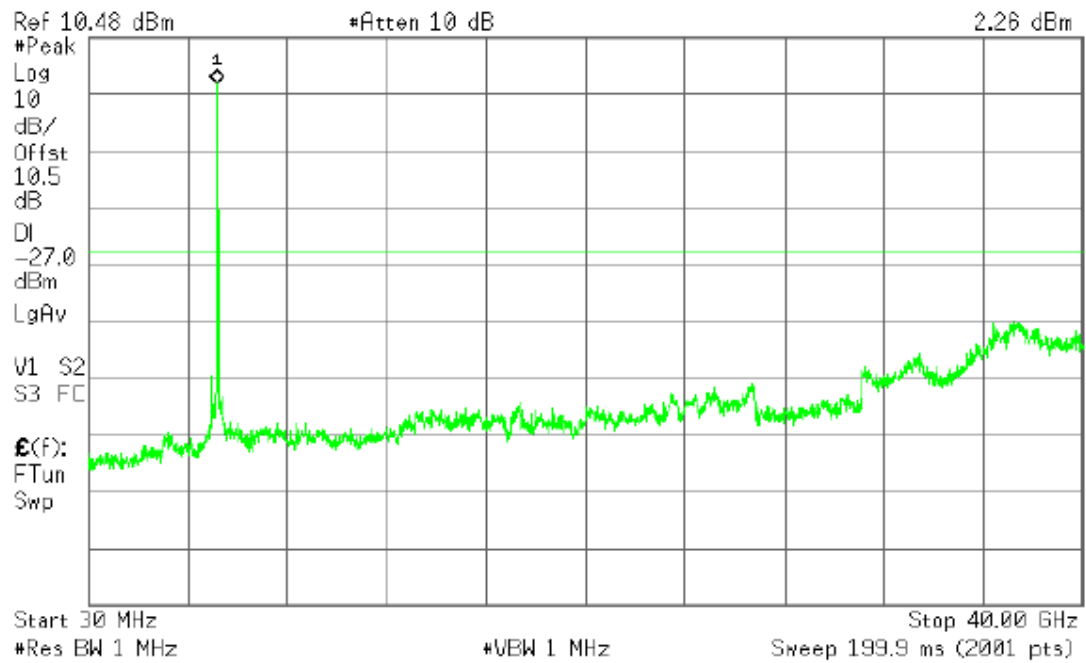


IEEE 802.11n HT 20 MHz (5745 ~ 5825MHz) CH

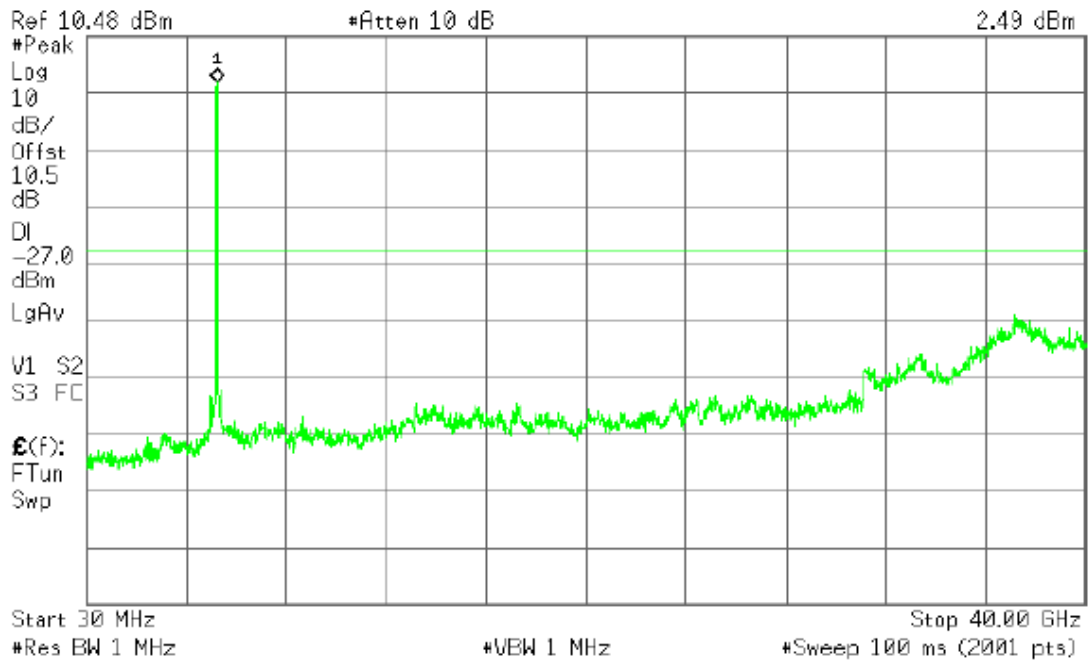
Low



CH Mid

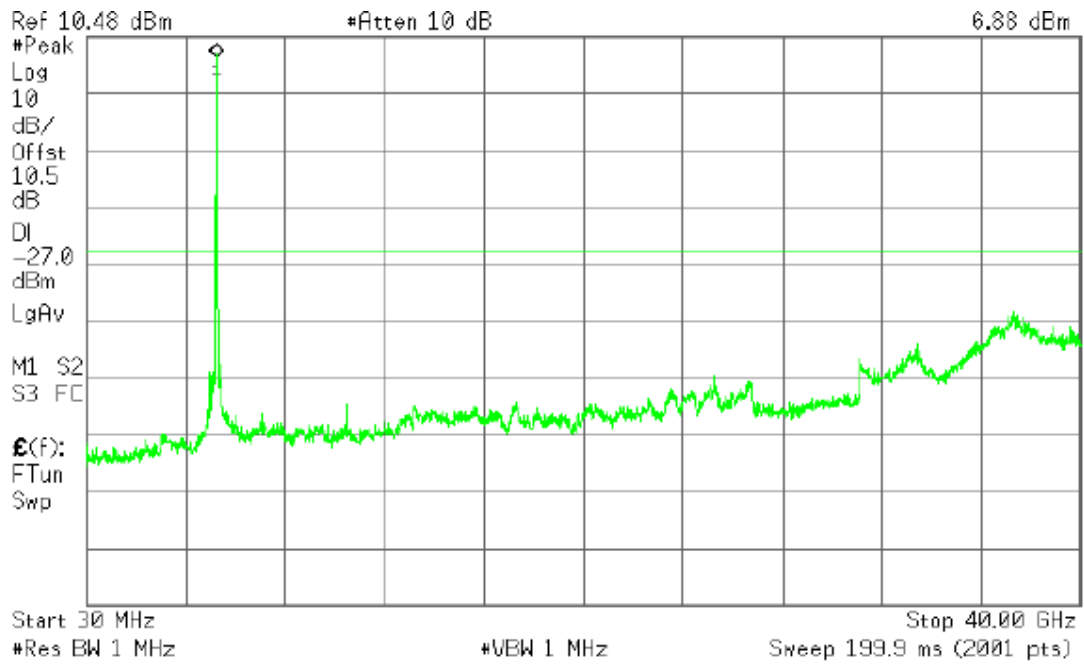


CH High

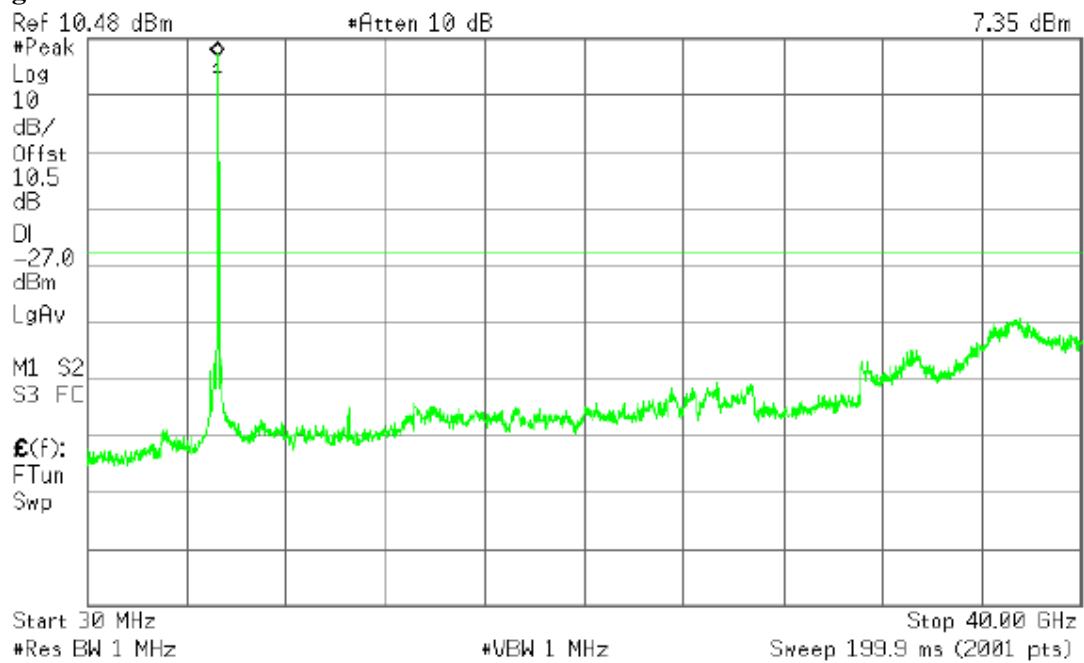


IEEE 802.11n HT 40 MHz (5755 ~ 5795MHz) CH

Low



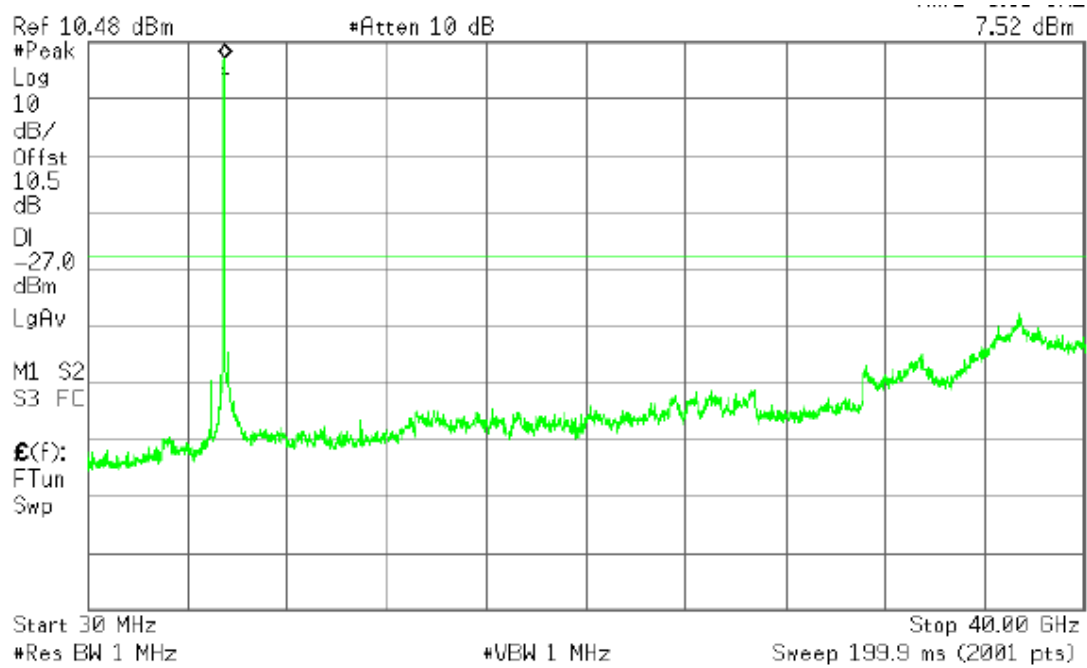
CH High



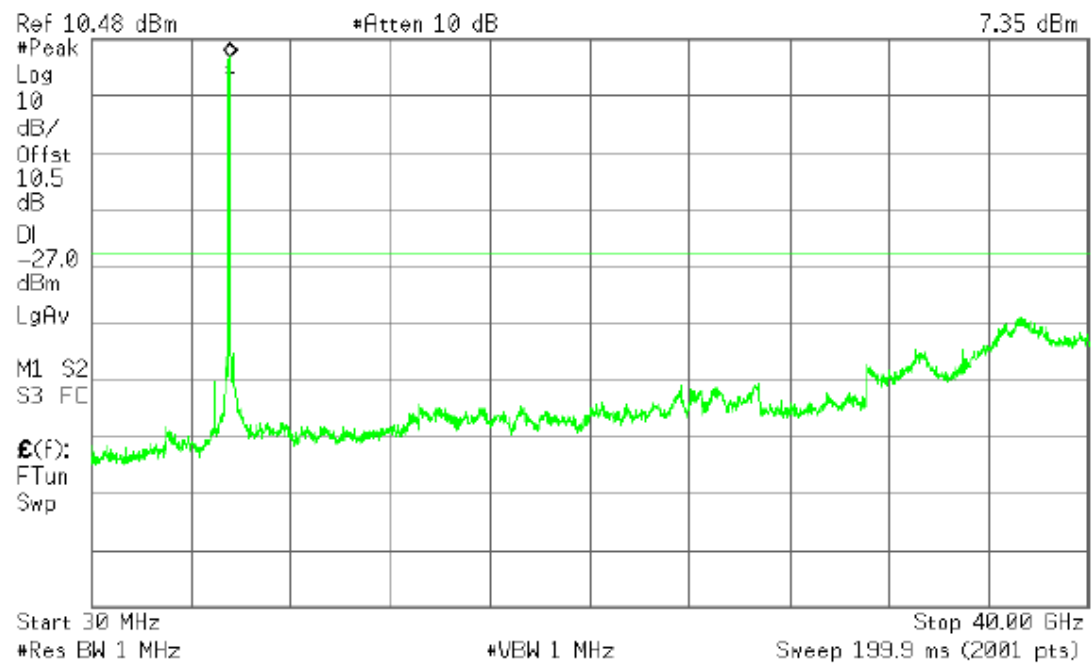
Chain 2

IEEE 802.11a (5745 ~ 5825MHz) CH

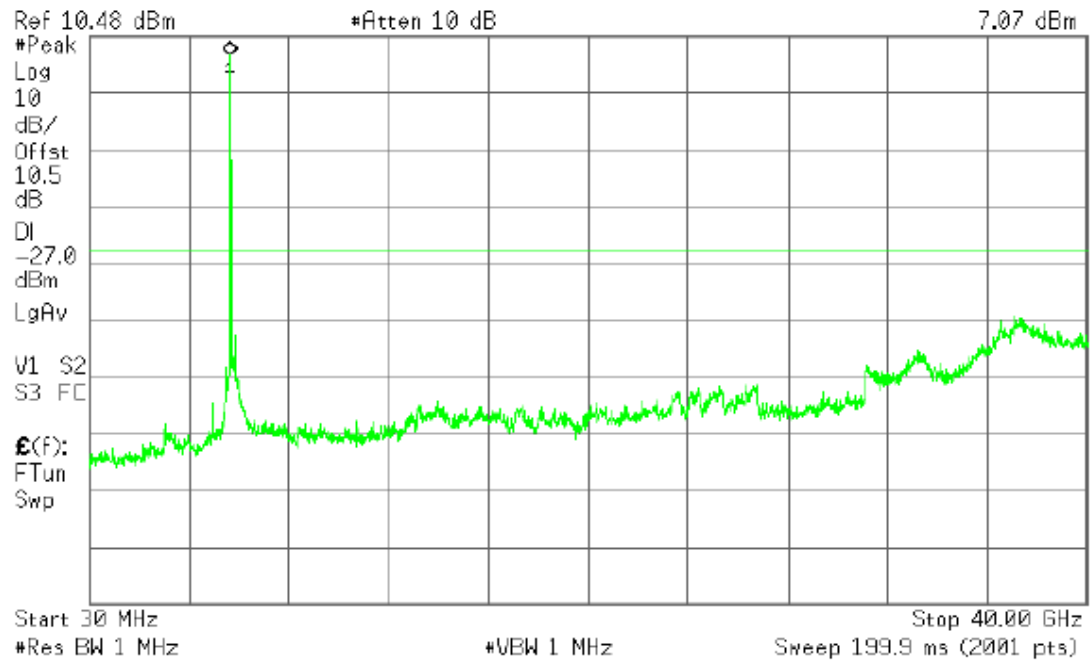
Low



CH Mid

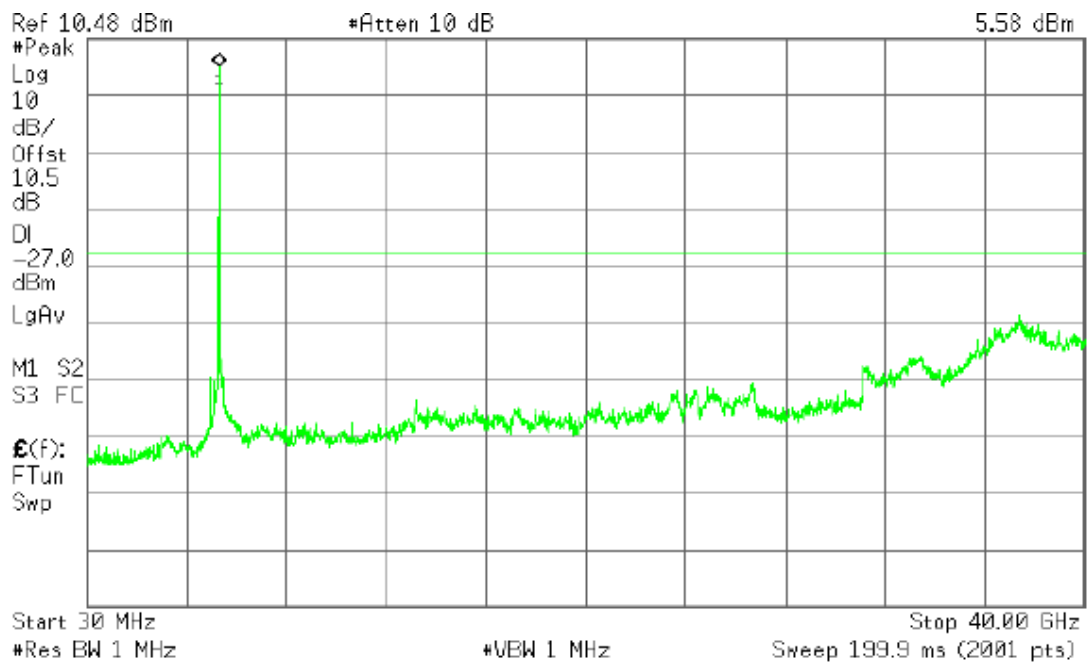


CH High

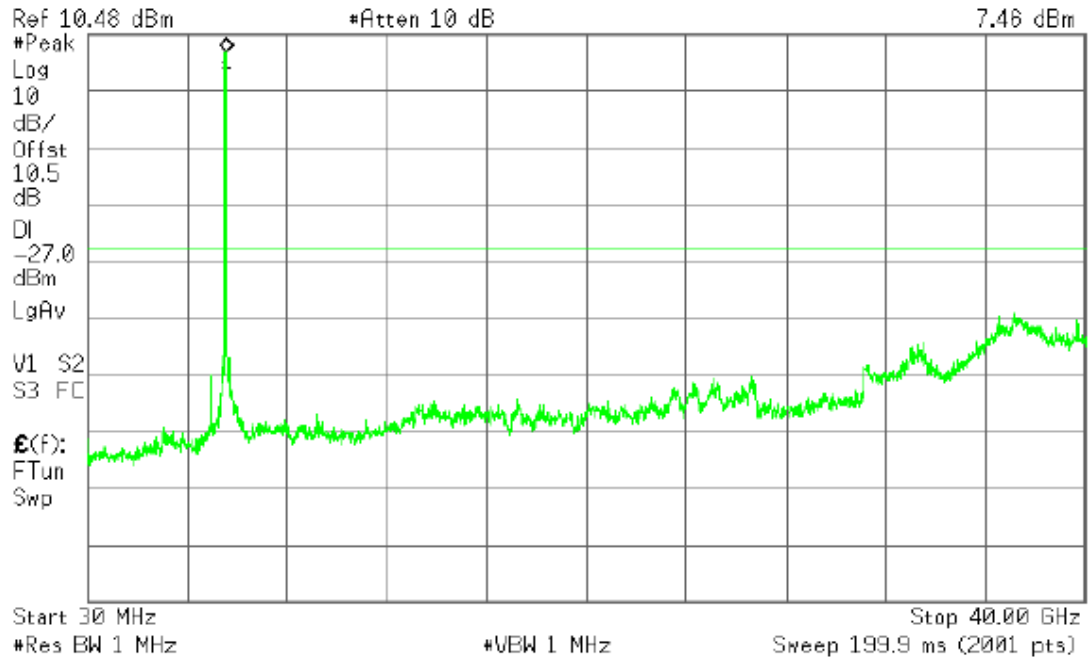


IEEE 802.11n HT 20 MHz (5745 ~ 5825MHz) CH

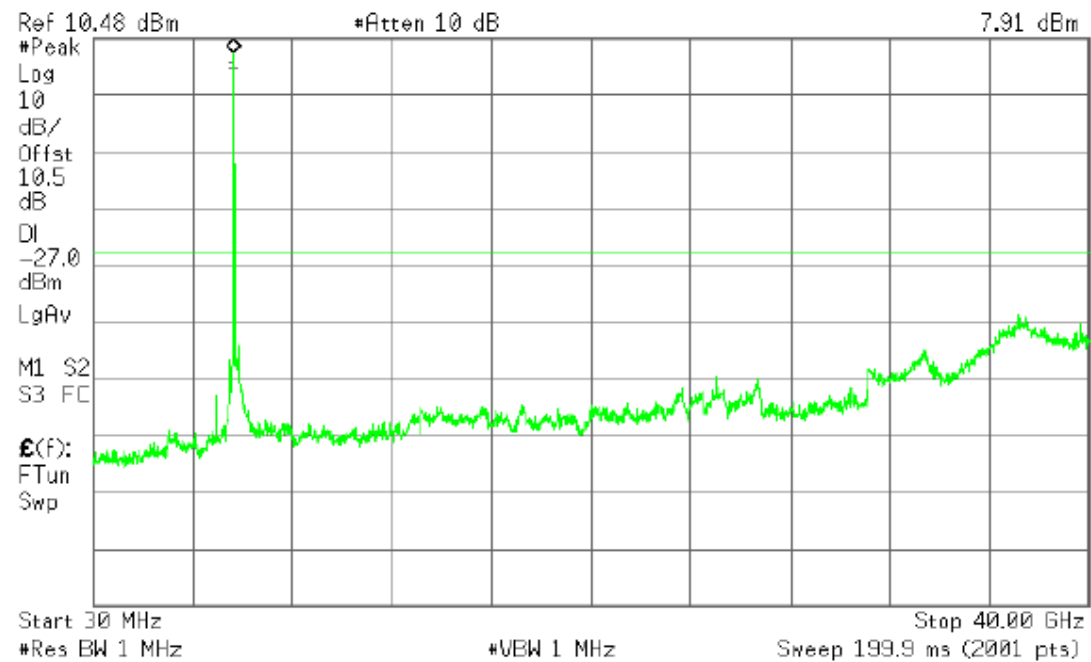
Low



CH Mid

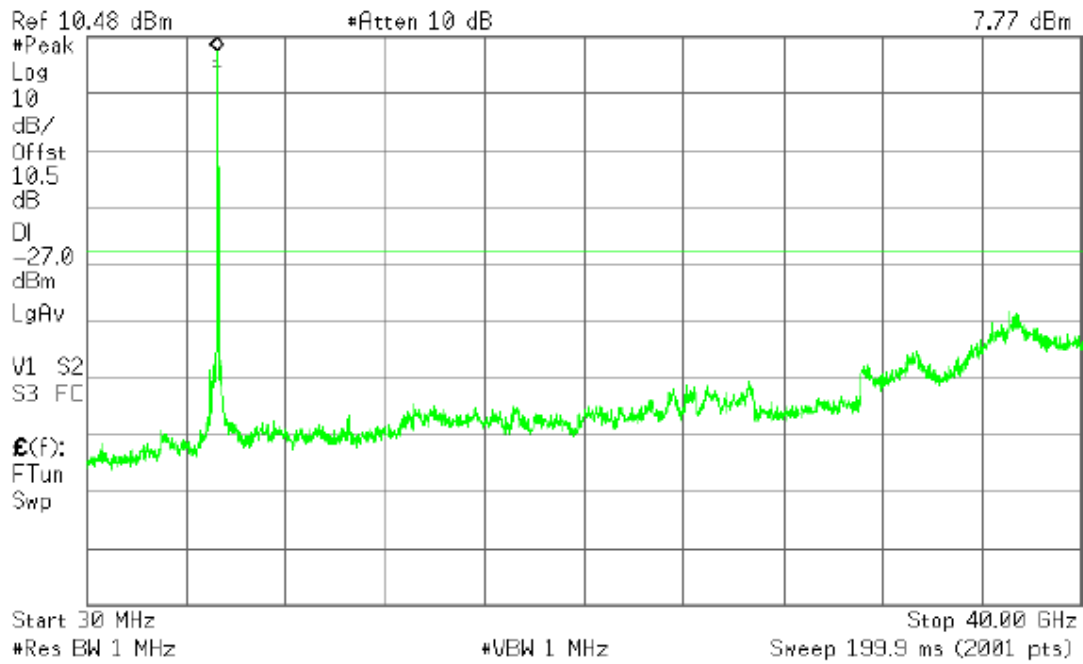


CH High

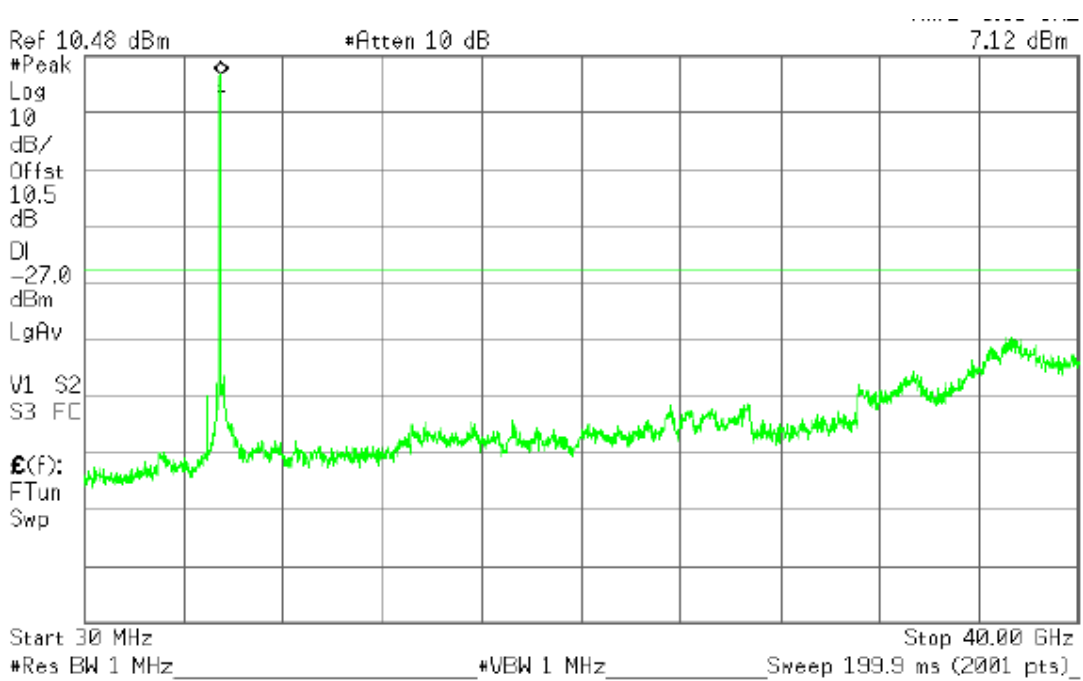


IEEE 802.11n HT 40 MHz (5755 ~ 5795MHz) CH

Low



CH High



12. POWERLINE CONDUCTED EMISSIONS

12.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207		
Frequency (MHz)	QP (dBµV)	AV (dBµV)
0.15 - 0.50	66 - 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

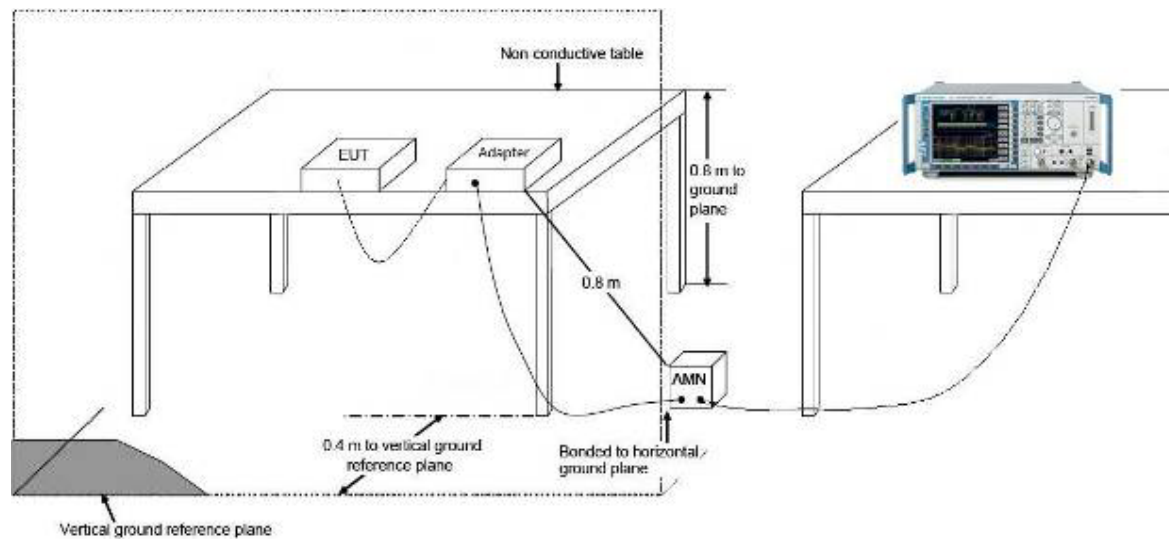
7.9.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.9.3. Test Setup

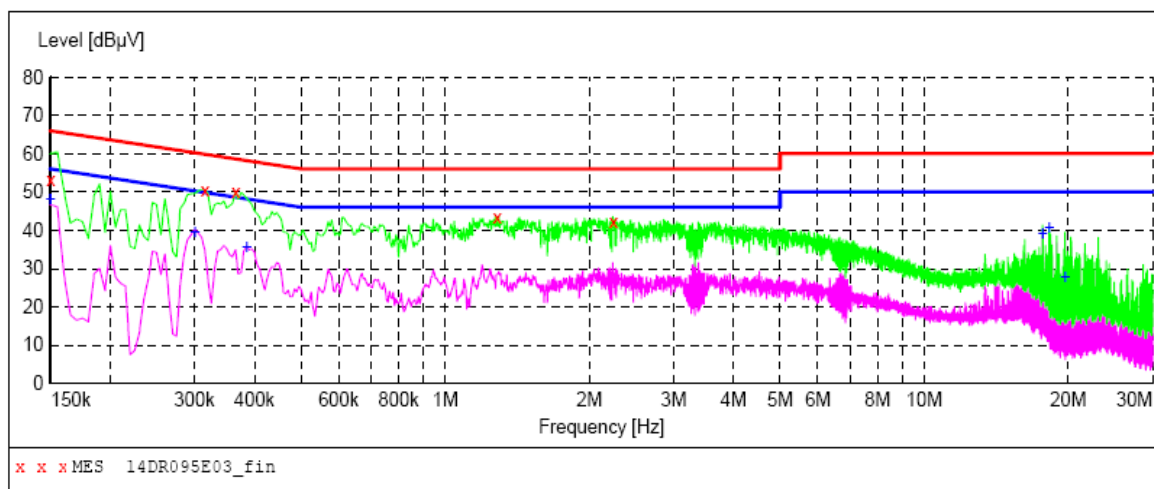


Conducted Emission:

EUT: Broadband Digital Transmission System
M/N: FWBD-1102
Operating Condition: Tx Mode
Test Site: Shielded Room
Operator: Yang
Test Specification: AC 120V/60Hz for adapter
Comment: L Line

SCAN TABLE: "Voltage (150K-30M) PR"

Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "14DR095E03_fin"

8/7/2014 20:41

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	53.10	13.4	66	12.9	PK	L1	GND
0.315000	50.50	10.9	60	9.3	PK	L1	GND
0.365000	50.30	10.8	59	8.3	PK	L1	GND
1.285000	43.40	10.4	56	12.6	PK	L1	GND
2.245000	42.20	10.4	56	13.8	PK	L1	GND

MEASUREMENT RESULT: "14DR095E03_fin2"

8/7/2014 20:41

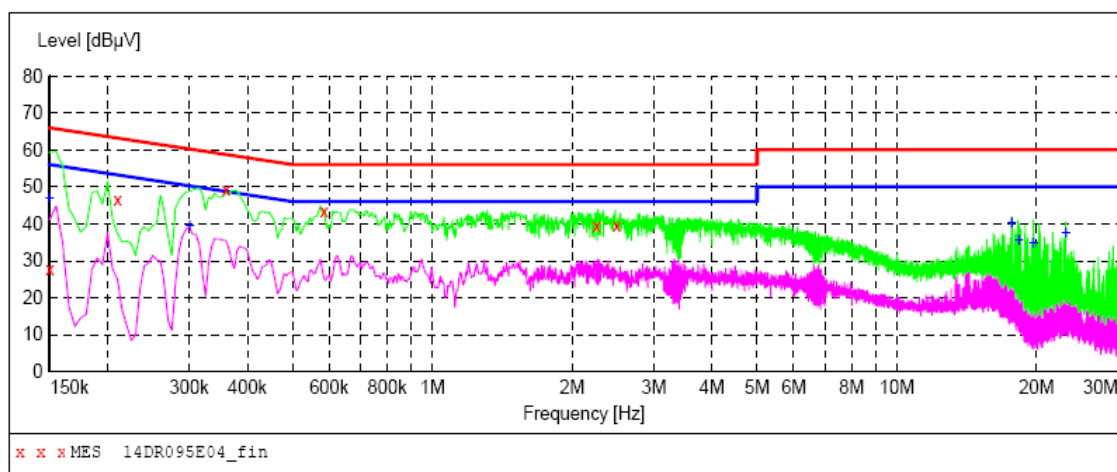
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	48.00	13.4	56	8.0	AV	L1	GND
0.300000	39.70	11.0	50	10.5	AV	L1	GND
0.385000	35.60	10.7	48	12.6	AV	L1	GND
17.695000	39.20	10.7	50	10.8	AV	L1	GND
18.245000	40.90	10.7	50	9.1	AV	L1	GND
19.705000	27.90	10.7	50	22.1	AV	L1	GND

Conducted Emission:

EUT: Broadband Digital Transmission System
M/N: FWBD-1102
Operating Condition: Tx Mode
Test Site: Shielded Room
Operator: Yang
Test Specification: AC 120V/60Hz for adapter
Comment: N Line

SCAN TABLE: "Voltage (150K-30M) PR"

Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "14DR095E04_fin"

8/7/2014 20:44

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	27.90	13.4	66	38.1	PK	N	GND
0.210000	46.60	11.3	63	16.6	PK	N	GND
0.360000	49.40	10.8	59	9.3	PK	N	GND
0.585000	43.30	10.4	56	12.7	PK	N	GND
2.260000	39.50	10.4	56	16.5	PK	N	GND
2.495000	39.60	10.4	56	16.4	PK	N	GND

MEASUREMENT RESULT: "14DR095E04_fin2"

8/7/2014 20:44

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	46.90	13.4	56	9.1	AV	N	GND
0.300000	39.60	11.0	50	10.6	AV	N	GND
17.695000	40.30	10.7	50	9.7	AV	N	GND
18.305000	35.50	10.7	50	14.5	AV	N	GND
19.710000	34.80	10.7	50	15.2	AV	N	GND
23.130000	37.40	10.8	50	12.6	AV	N	GND

13. FREQUENCY STABILITY

13.1. Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

13.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

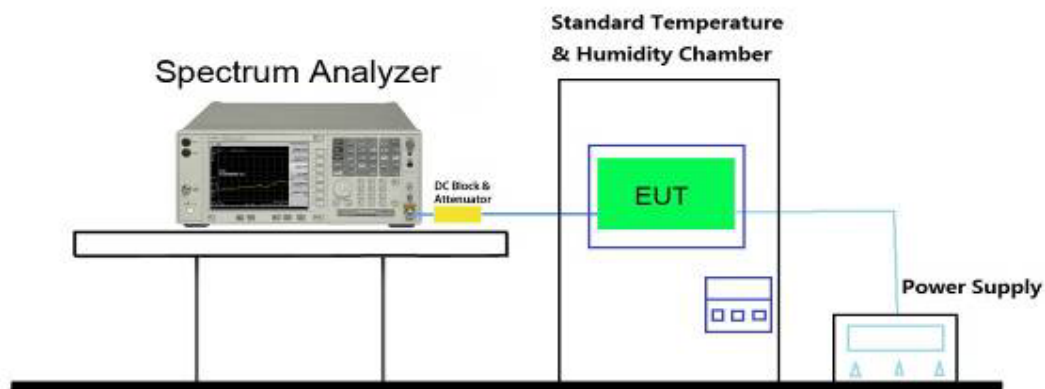
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

13.3. Test Setup



13.4. Test Result

Voltage (%)	Power (VAC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100%	120	+ 20 (Ref)	5220018651.694	18651.694	0.000357
			5784998125.684	-1874.316	-0.000032
		- 30	5220031581.522	31581.522	0.000605
			5785029633.344	29633.344	0.000512
		- 20	5220028764.749	28764.749	0.000551
			5785014243.547	14243.547	0.000246
		- 10	5220036157.243	36157.243	0.000693
			5785031634.751	31634.751	0.000547
		0	5220010357.212	10357.212	0.000198
			5785041821.370	41821.370	0.000723
		+ 10	5220015658.651	15658.651	0.000300
			5784995187.658	-4812.342	-0.000083
		+ 20	5220025680.830	25680.830	0.000492
			5784996714.185	-3285.815	-0.000057
		+ 30	5219989752.347	-10247.653	-0.000196
			5785015204.625	15204.625	0.000263
		+ 40	5220001738.711	1738.711	0.000033
			5784990164.571	-9835.429	-0.000170
		+ 50	5219996525.712	-3474.288	-0.000067
			5784989303.618	-10696.382	-0.000185
115%	138	+ 20	5220002774.668	2774.668	0.000053
			5784988601.402	-11398.598	-0.000197
85%	102	+ 20	5219998124.121	-1875.879	-0.000036
			5784988413.321	-11586.679	-0.000200