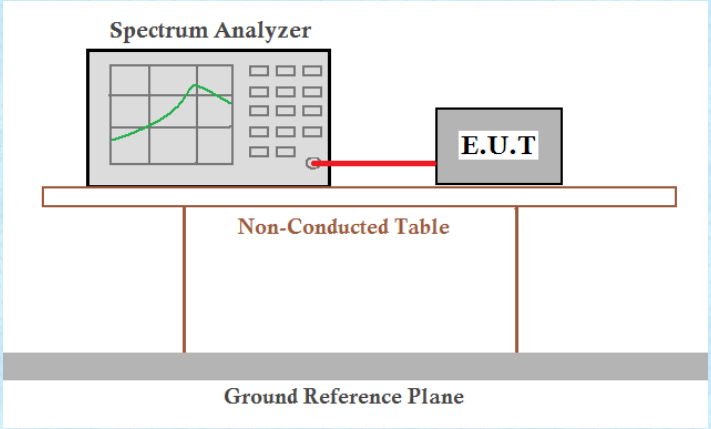
7.7 Spurious Emission

7.7.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Test plot as follows:

802.11b

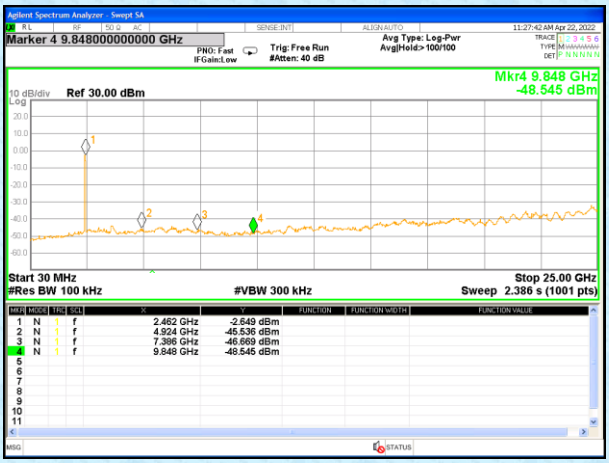
Lowest channel

30MHz~25GHz

Middle channel

30MHz~25GHz

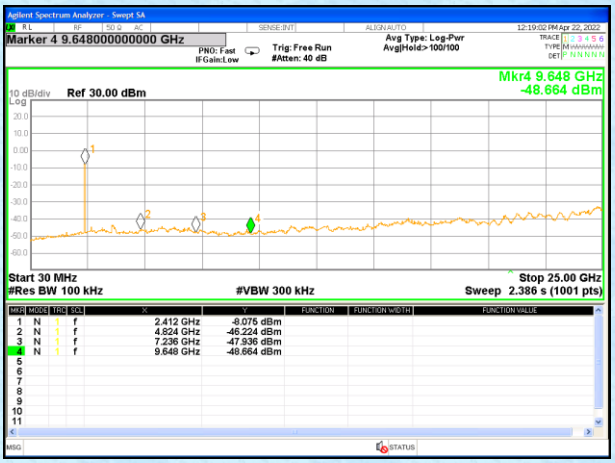
Highest channel



30MHz~25GHz

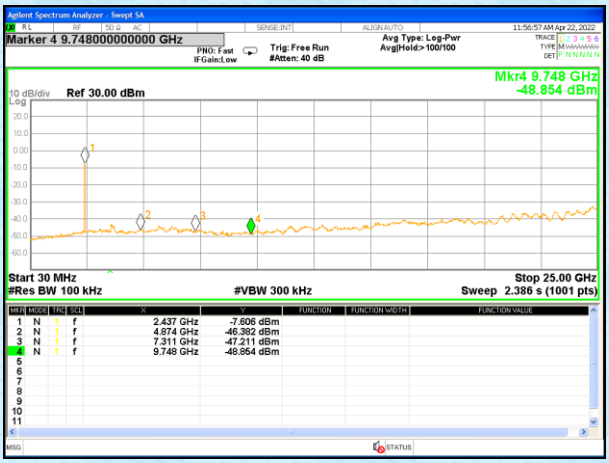
802.11g

Lowest channel



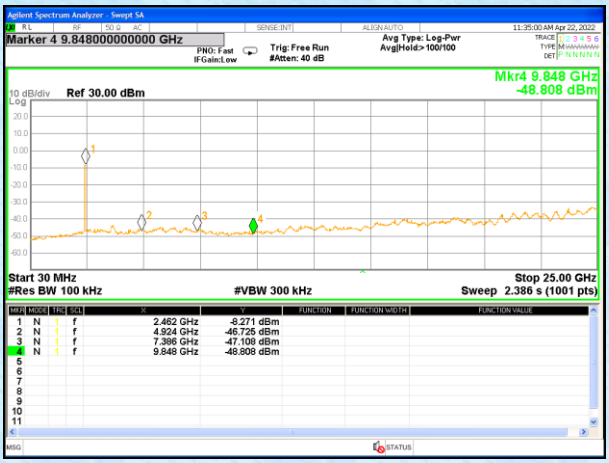
30MHz~25GHz

Middle channel



30MHz~25GHz

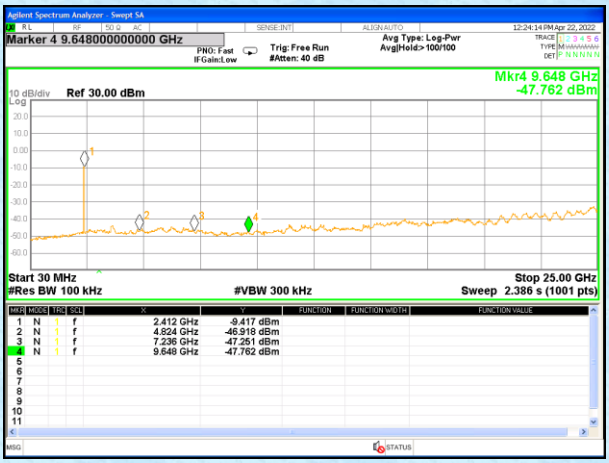
Highest channel



30MHz~25GHz

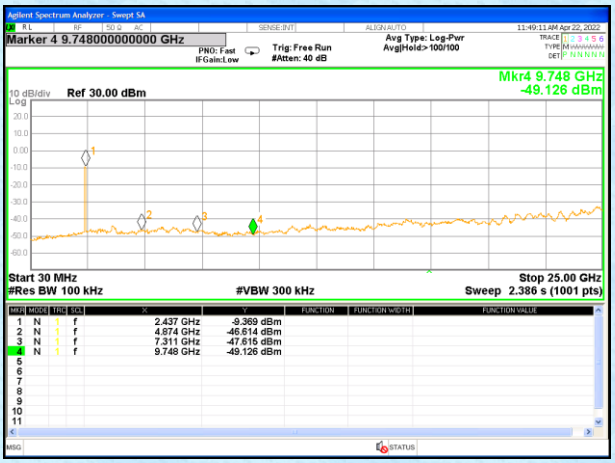
802.11n(HT20)

Lowest channel



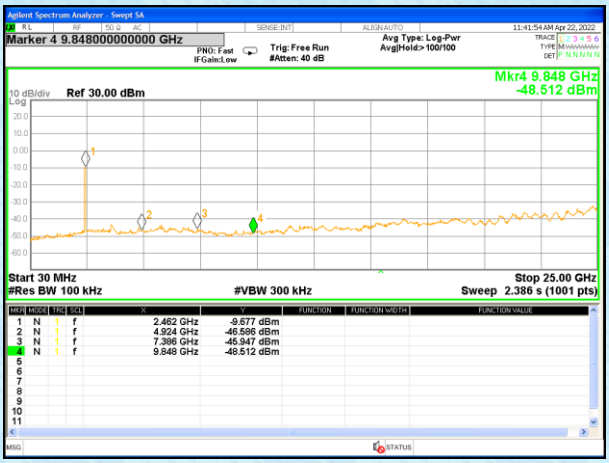
30MHz~25GHz

Middle channel



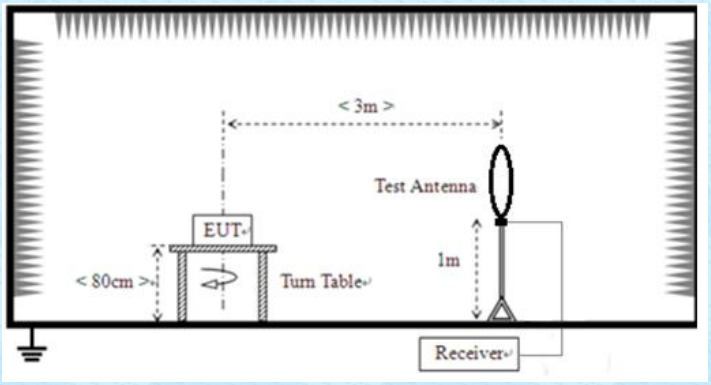
30MHz~25GHz

Highest channel

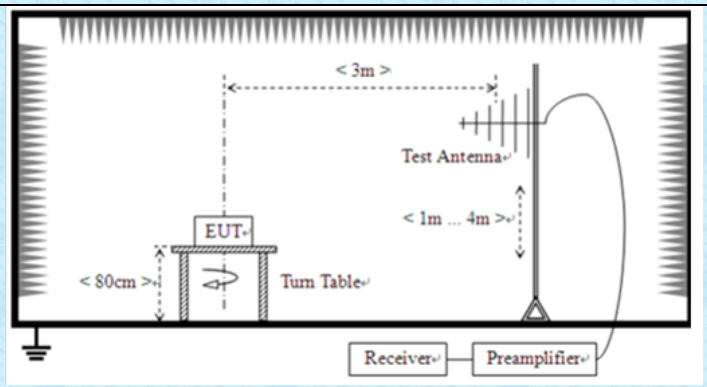


30MHz~25GHz

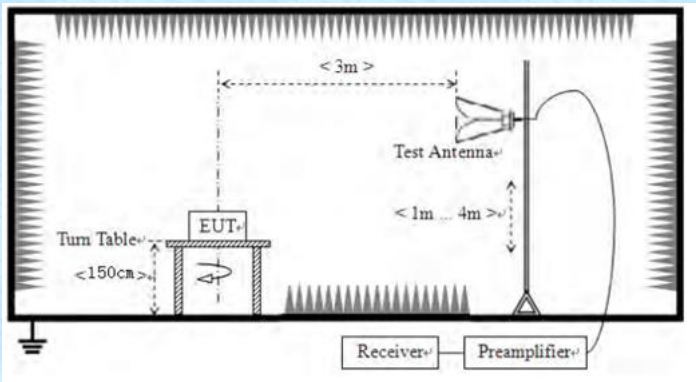
7.7.2 Radiated Emission Method

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.209</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10: 2013</td></tr>
<tr><td>Test Frequency Range:</td><td>9kHz to 25GHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Value</td></tr>
<tr><td>9KHz-150KHz</td><td>Quasi-peak</td><td>200Hz</td><td>600Hz</td><td>Quasi-peak</td></tr>
<tr><td>150KHz-30MHz</td><td>Quasi-peak</td><td>9KHz</td><td>30KHz</td><td>Quasi-peak</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120KHz</td><td>300KHz</td><td>Quasi-peak</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr>
<tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average</td></tr>
</table>
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Frequency</td><td>Limit (uV/m)</td><td>Value</td><td>Measurement Distance</td></tr>
<tr><td>0.009MHz-0.490MHz</td><td>2400/F(KHz)</td><td>QP</td><td>300m</td></tr>
<tr><td>0.490MHz-1.705MHz</td><td>24000/F(KHz)</td><td>QP</td><td>300m</td></tr>
<tr><td>1.705MHz-30MHz</td><td>30</td><td>QP</td><td>30m</td></tr>
<tr><td>30MHz-88MHz</td><td>100</td><td>QP</td><td rowspan="6">3m</td></tr>
<tr><td>88MHz-216MHz</td><td>150</td><td>QP</td></tr>
<tr><td>216MHz-960MHz</td><td>200</td><td>QP</td></tr>
<tr><td>960MHz-1GHz</td><td>500</td><td>QP</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>500</td><td>Average</td></tr>
<tr><td>5000</td><td>Peak</td></tr>
</table>
</td></tr>
<tr><td>Test setup:</td><td>For radiated emissions from 9kHz to 30MHz
 

For radiated emissions from 30MHz to1GHz</td></tr>
</table>



For radiated emissions above 1GHz



Test Procedure:	1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details

Test voltage:	AC120V 60Hz					
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test voltage:	5Vdc 1A					
Test results:	Pass					

Remarks:

1. *Only the worst case Main Antenna test data.*
2. *Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.*

Measurement data:

■ **9kHz~30MHz**

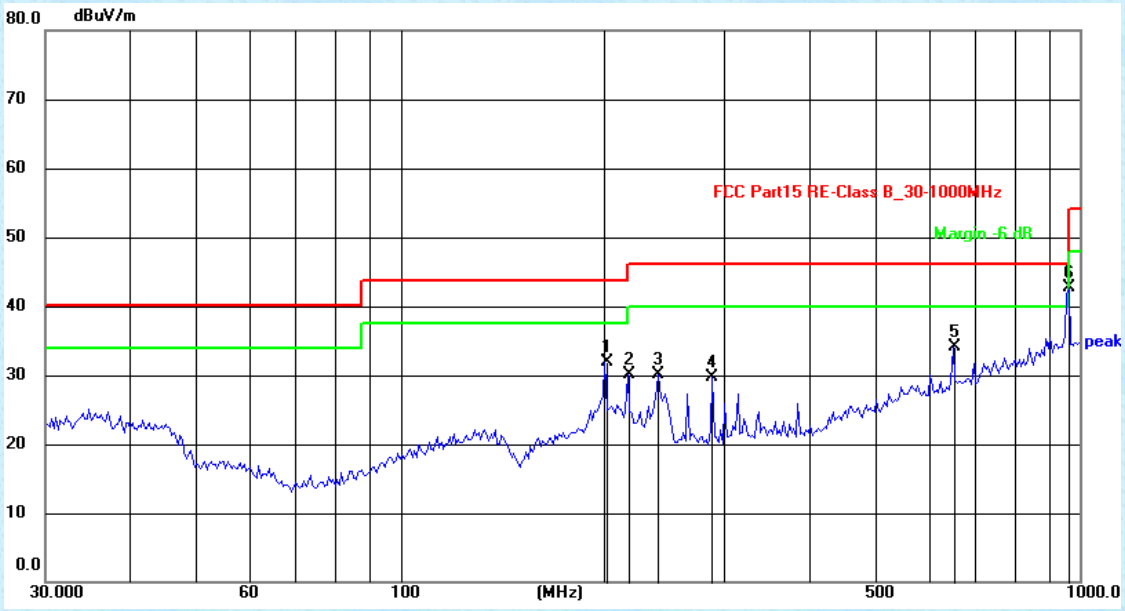
The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.

■ **Above 18GHz**

The emission from Above 18GHz was pre-tested and found the result was 20dB lower than the limit, the test result no need to reported.

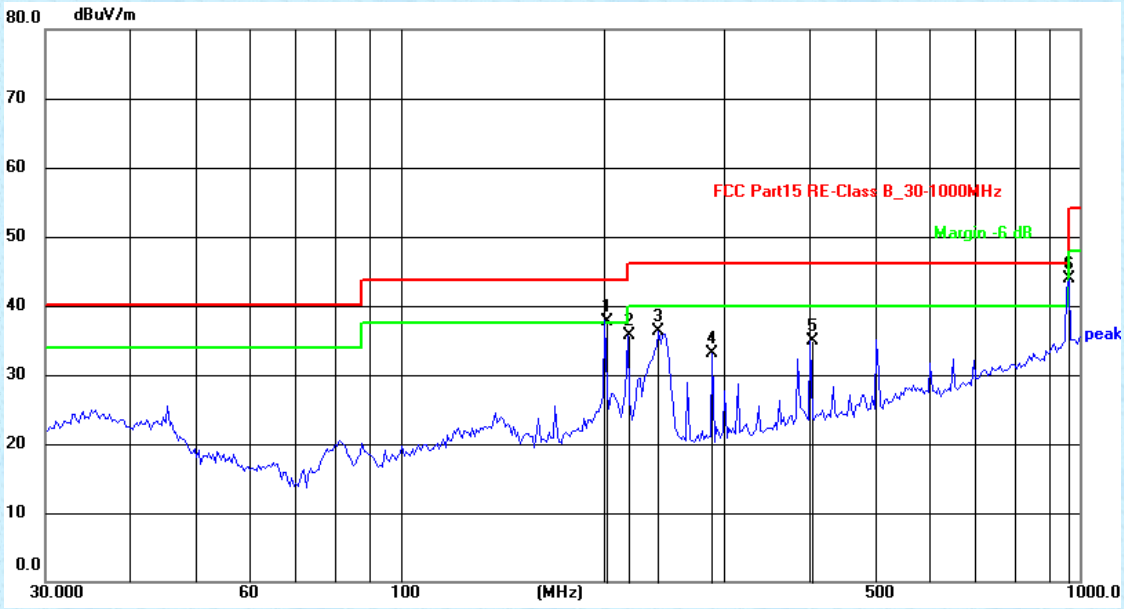
■ **Below 1GHz**

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	200.0432	32.71	-0.75	31.96	43.50	-11.54	QP
2	216.1197	32.21	-2.19	30.02	46.00	-15.98	QP
3	240.1442	34.46	-4.34	30.12	46.00	-15.88	QP
4	288.2840	34.54	-4.75	29.79	46.00	-16.21	QP
5	651.3831	32.74	1.32	34.06	46.00	-11.94	QP
6	965.4742	37.11	5.50	42.61	54.00	-11.39	QP

Vertical:

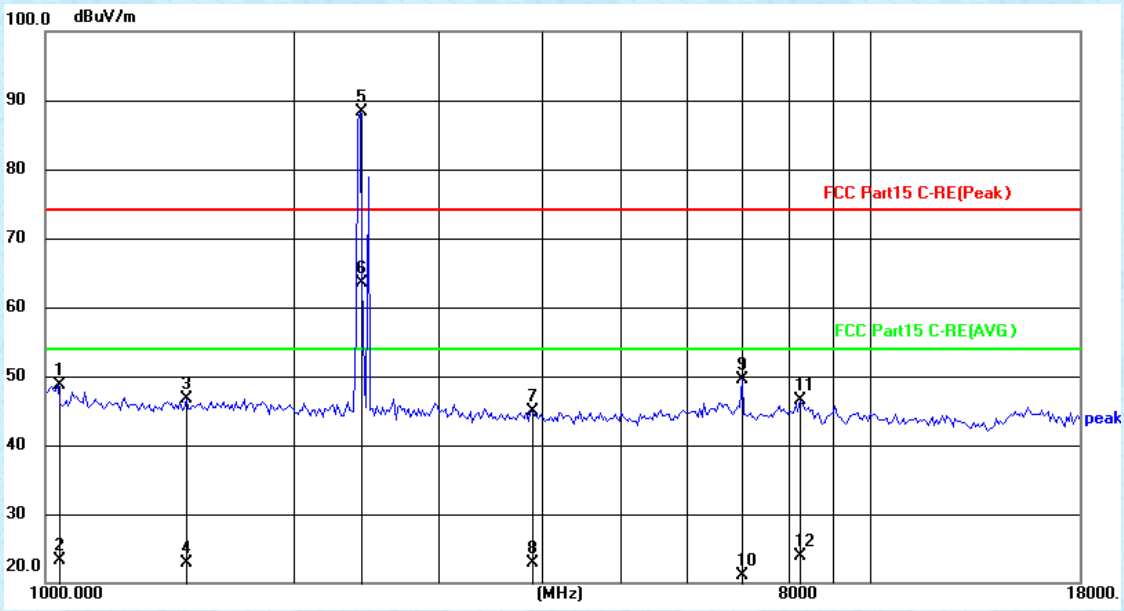


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	200.0432	39.15	-1.35	37.80	43.50	-5.70	QP
2	216.1197	38.23	-2.60	35.63	46.00	-10.37	QP
3	240.1442	40.83	-4.46	36.37	46.00	-9.63	QP
4	288.2840	37.88	-4.75	33.13	46.00	-12.87	QP
5	401.1050	37.72	-2.82	34.90	46.00	-11.10	QP
6	965.4742	38.47	5.43	43.90	54.00	-10.10	QP

Above 1GHz

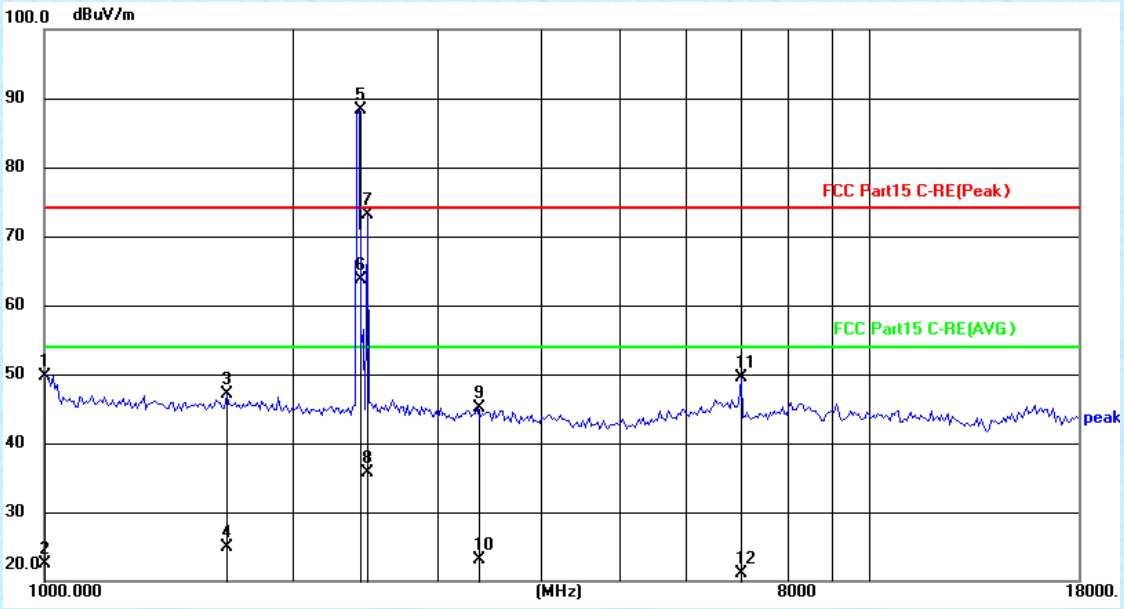
Test mode:	802.11b	Test channel:	Lowest

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1035.365	46.79	1.95	48.74	74.00	-25.26	peak
2	1035.365	21.37	1.95	23.32	54.00	-30.68	AVG
3	1482.720	22.30	24.38	46.68	74.00	-27.32	peak
4	1482.720	-1.52	24.38	22.86	54.00	-31.14	AVG
5	2412.000	61.86	26.36	88.22	74.00	14.22	peak
6	2412.000	37.22	26.36	63.58	54.00	9.58	AVG
7	3900.860	16.16	28.78	44.94	74.00	-29.06	peak
8	3900.860	-5.87	28.78	22.91	54.00	-31.09	AVG
9	7002.185	13.73	35.80	49.53	74.00	-24.47	peak
10	7002.185	-14.67	35.80	21.13	54.00	-32.87	AVG
11	8235.116	9.74	36.72	46.46	74.00	-27.54	peak
12	8235.116	-12.90	36.72	23.82	54.00	-30.18	AVG

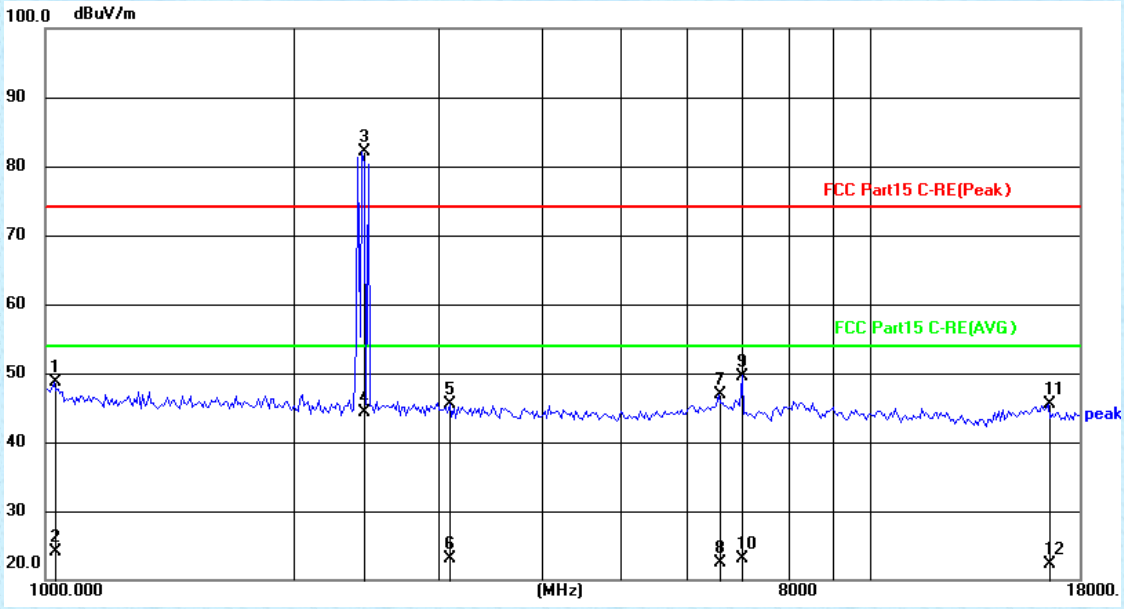
Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1005.809	48.18	1.49	49.67	74.00	-24.33	peak
2	1005.809	21.00	1.49	22.49	54.00	-31.51	AVG
3	1664.833	22.38	24.69	47.07	74.00	-26.93	peak
4	1664.833	0.12	24.69	24.81	54.00	-29.19	AVG
5	2412.000	61.88	26.36	88.24	74.00	14.24	peak
6	2412.000	37.35	26.36	63.71	54.00	9.71	AVG
7	2468.481	46.58	26.45	73.03	74.00	-0.97	peak
8	2468.481	9.31	26.45	35.76	54.00	-18.24	AVG
9	3355.486	17.02	28.04	45.06	74.00	-28.94	peak
10	3355.486	-5.02	28.04	23.02	54.00	-30.98	AVG
11	7002.185	13.73	35.80	49.53	74.00	-24.47	peak
12	7002.185	-14.69	35.80	21.11	54.00	-32.89	AVG

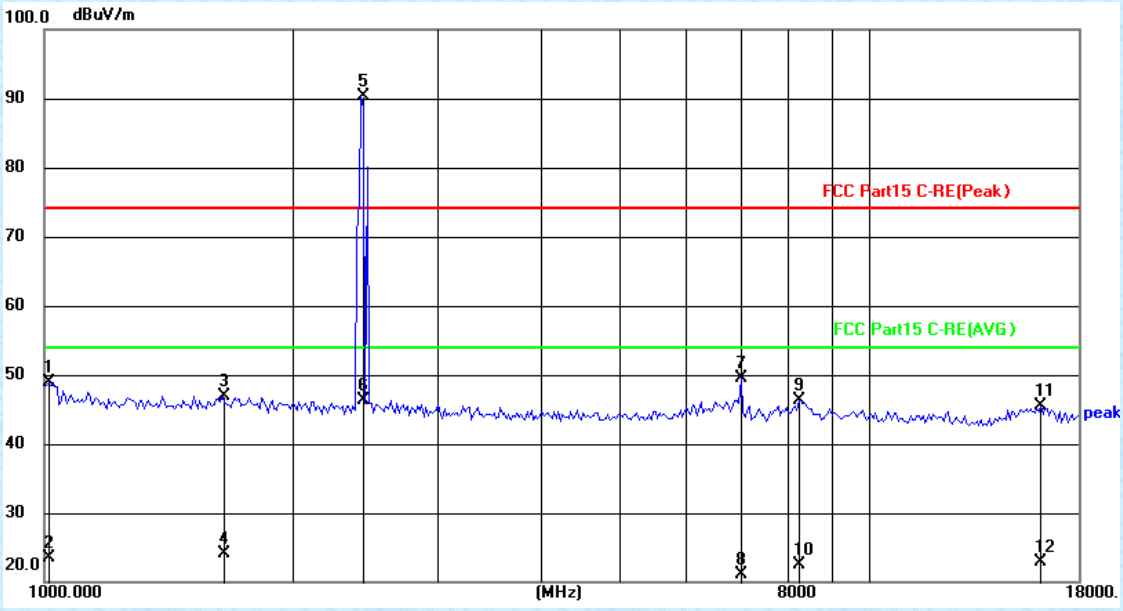
Test mode:	802.11b	Test channel:	Middle

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1023.440	47.00	1.76	48.76	74.00	-25.24	peak
2	1023.440	22.31	1.76	24.07	54.00	-29.93	AVG
3	2437.000	55.67	26.40	82.07	74.00	8.07	peak
4	2437.000	17.84	26.40	44.24	54.00	-9.76	AVG
5	3094.121	17.95	27.57	45.52	74.00	-28.48	peak
6	3094.121	-4.46	27.57	23.11	54.00	-30.89	AVG
7	6569.953	12.46	34.42	46.88	74.00	-27.12	peak
8	6569.953	-12.01	34.42	22.41	54.00	-31.59	AVG
9	7002.185	13.80	35.80	49.60	74.00	-24.40	peak
10	7002.185	-12.73	35.80	23.07	54.00	-30.93	AVG
11	16502.087	7.25	38.30	45.55	74.00	-28.45	peak
12	16502.087	-15.95	38.30	22.35	54.00	-31.65	AVG

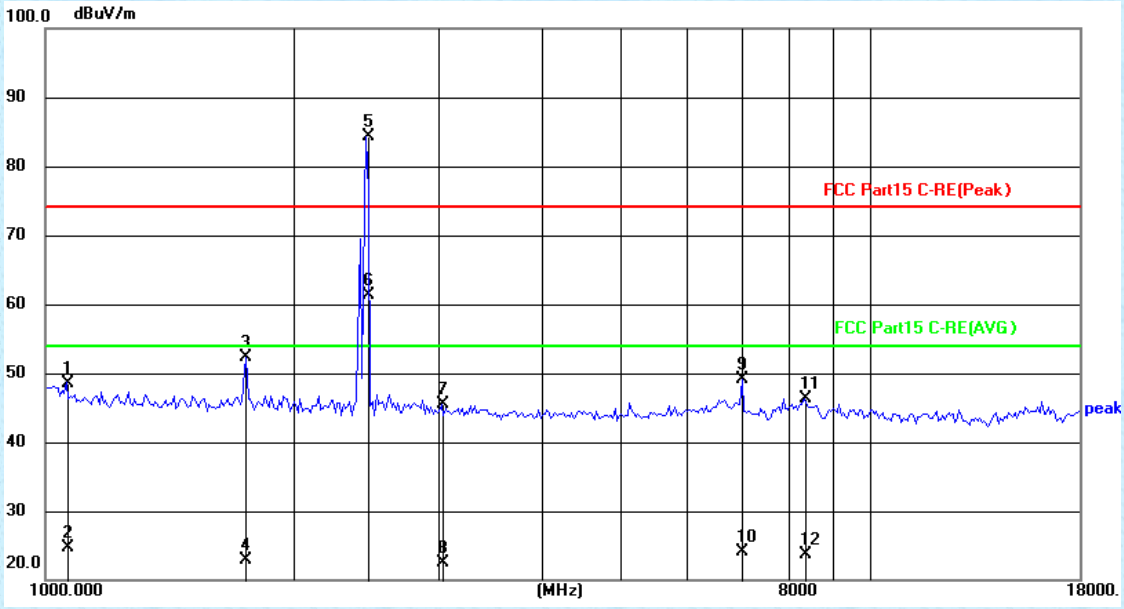
Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1011.652	47.34	1.58	48.92	74.00	-25.08	peak
2	1011.652	21.93	1.58	23.51	54.00	-30.49	AVG
3	1645.658	22.24	24.64	46.88	74.00	-27.12	peak
4	1645.658	-0.51	24.64	24.13	54.00	-29.87	AVG
5	2437.000	63.96	26.40	90.36	74.00	16.36	peak
6	2437.000	19.84	26.40	46.24	54.00	-7.76	AVG
7	7002.185	13.76	35.80	49.56	74.00	-24.44	peak
8	7002.185	-14.60	35.80	21.20	54.00	-32.80	AVG
9	8235.116	9.66	36.72	46.38	74.00	-27.62	peak
10	8235.116	-14.13	36.72	22.59	54.00	-31.41	AVG
11	16217.807	7.30	38.19	45.49	74.00	-28.51	peak
12	16217.807	-15.33	38.19	22.86	54.00	-31.14	AVG

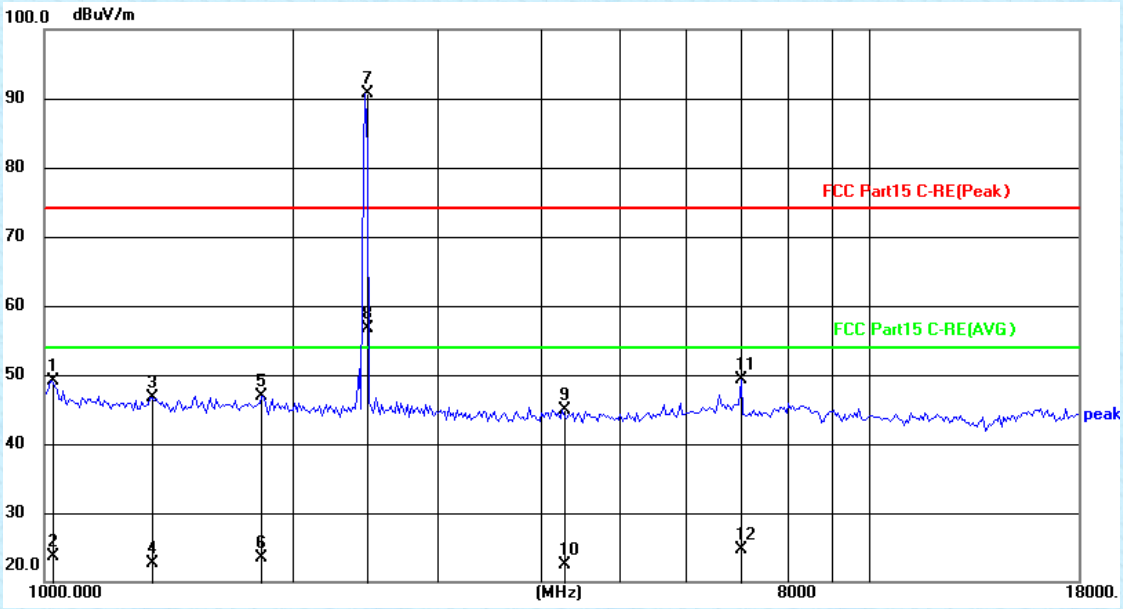
Test mode:	802.11b	Test channel:	Highest

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1059.634	24.92	23.68	48.60	74.00	-25.40	peak
2	1059.634	1.04	23.68	24.72	54.00	-29.28	AVG
3	1753.924	27.44	24.96	52.40	74.00	-21.60	peak
4	1753.924	-2.16	24.96	22.80	54.00	-31.20	AVG
5	2462.000	57.94	26.44	84.38	74.00	10.38	peak
6	2462.000	34.88	26.44	61.32	54.00	7.32	AVG
7	3023.257	18.14	27.44	45.58	74.00	-28.42	peak
8	3023.257	-4.92	27.44	22.52	54.00	-31.48	AVG
9	7002.185	13.33	35.80	49.13	74.00	-24.87	peak
10	7002.185	-11.65	35.80	24.15	54.00	-29.85	AVG
11	8331.072	9.62	36.73	46.35	74.00	-27.65	peak
12	8331.072	-13.10	36.73	23.63	54.00	-30.37	AVG

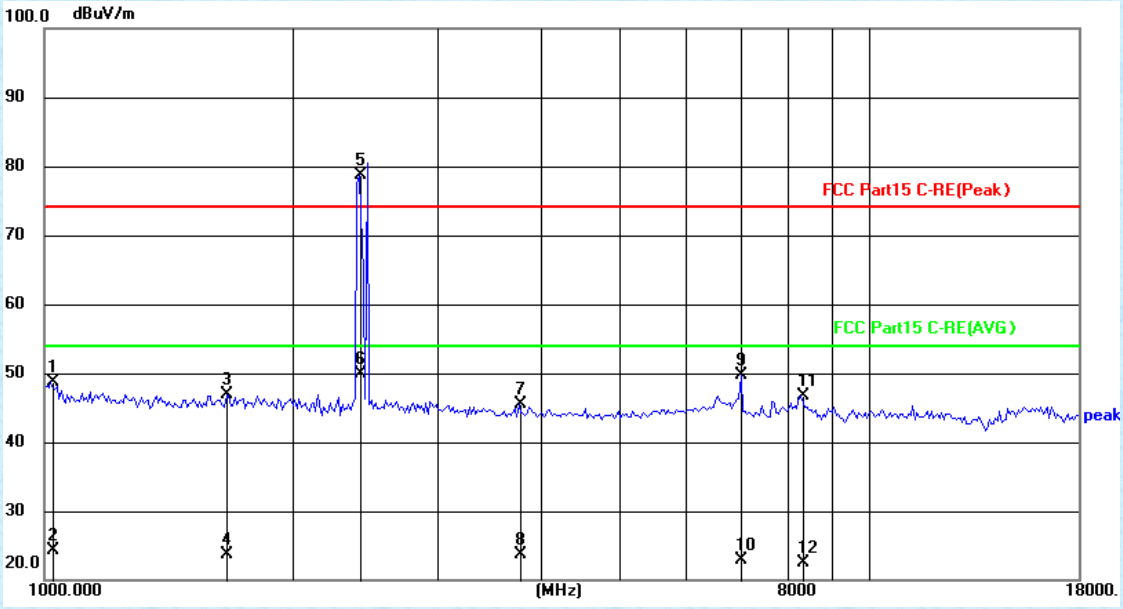
Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1017.529	47.42	1.67	49.09	74.00	-24.91	peak
2	1017.529	21.95	1.67	23.62	54.00	-30.38	AVG
3	1351.481	22.52	24.25	46.77	74.00	-27.23	peak
4	1351.481	-1.50	24.25	22.75	54.00	-31.25	AVG
5	1837.111	21.77	25.21	46.98	74.00	-27.02	peak
6	1837.111	-1.65	25.21	23.56	54.00	-30.44	AVG
7	2462.000	64.36	26.44	90.80	74.00	16.80	peak
8	2462.000	30.19	26.44	56.63	54.00	2.63	AVG
9	4254.946	15.77	29.15	44.92	74.00	-29.08	peak
10	4254.946	-6.67	29.15	22.48	54.00	-31.52	AVG
11	7002.185	13.54	35.80	49.34	74.00	-24.66	peak
12	7002.185	-11.07	35.80	24.73	54.00	-29.27	AVG

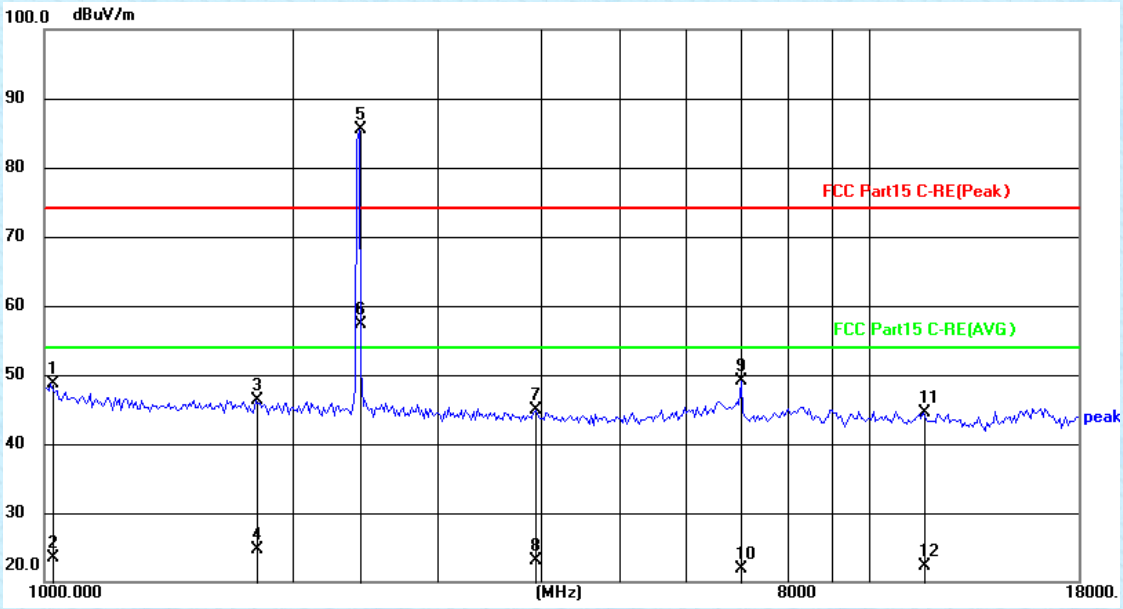
Test mode:	802.11g	Test channel:	lowest

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1017.529	47.02	1.67	48.69	74.00	-25.31	peak
2	1017.529	22.65	1.67	24.32	54.00	-29.68	AVG
3	1664.833	22.29	24.69	46.98	74.00	-27.02	peak
4	1664.833	-1.01	24.69	23.68	54.00	-30.32	AVG
5	2412.000	52.43	26.36	78.79	74.00	4.79	peak
6	2412.000	23.51	26.36	49.87	54.00	-4.13	AVG
7	3767.619	16.96	28.62	45.58	74.00	-28.42	peak
8	3767.619	-4.84	28.62	23.78	54.00	-30.22	AVG
9	7002.185	13.86	35.80	49.66	74.00	-24.34	peak
10	7002.185	-12.96	35.80	22.84	54.00	-31.16	AVG
11	8282.955	10.00	36.73	46.73	74.00	-27.27	peak
12	8282.955	-14.15	36.73	22.58	54.00	-31.42	AVG

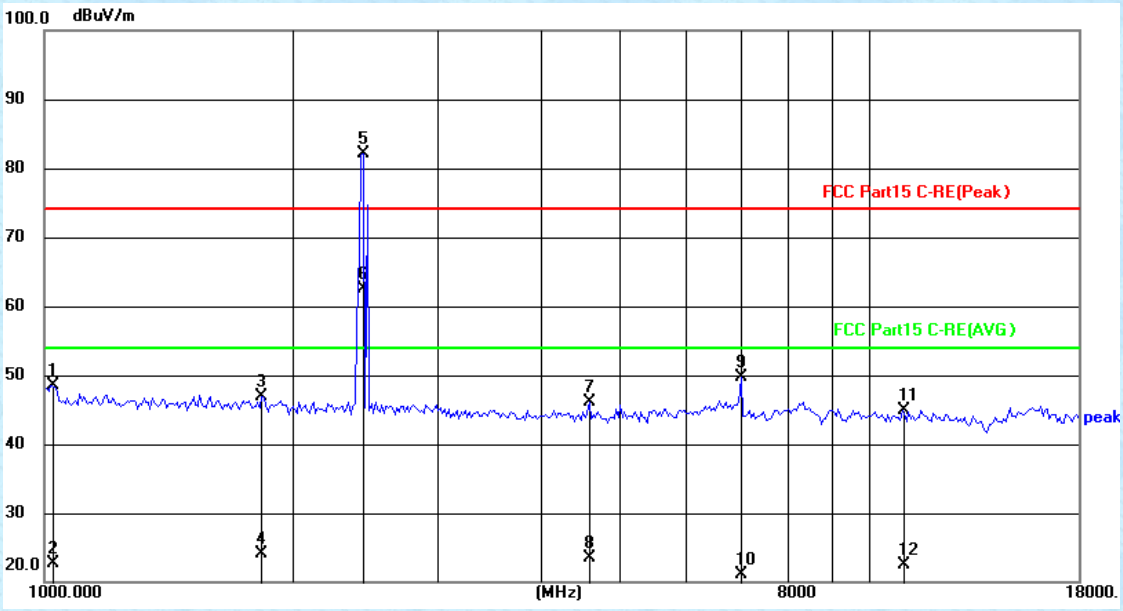
Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1017.529	46.96	1.67	48.63	74.00	-25.37	peak
2	1017.529	21.83	1.67	23.50	54.00	-30.50	AVG
3	1805.464	21.11	25.12	46.23	74.00	-27.77	peak
4	1805.464	-0.48	25.12	24.64	54.00	-29.36	AVG
5	2412.000	59.10	26.36	85.46	74.00	11.46	peak
6	2412.000	30.91	26.36	57.27	54.00	3.27	AVG
7	3946.313	16.07	28.84	44.91	74.00	-29.09	peak
8	3946.313	-5.71	28.84	23.13	54.00	-30.87	AVG
9	7002.185	13.38	35.80	49.18	74.00	-24.82	peak
10	7002.185	-13.86	35.80	21.94	54.00	-32.06	AVG
11	11657.470	4.13	40.29	44.42	74.00	-29.58	peak
12	11657.470	-17.98	40.29	22.31	54.00	-31.69	AVG

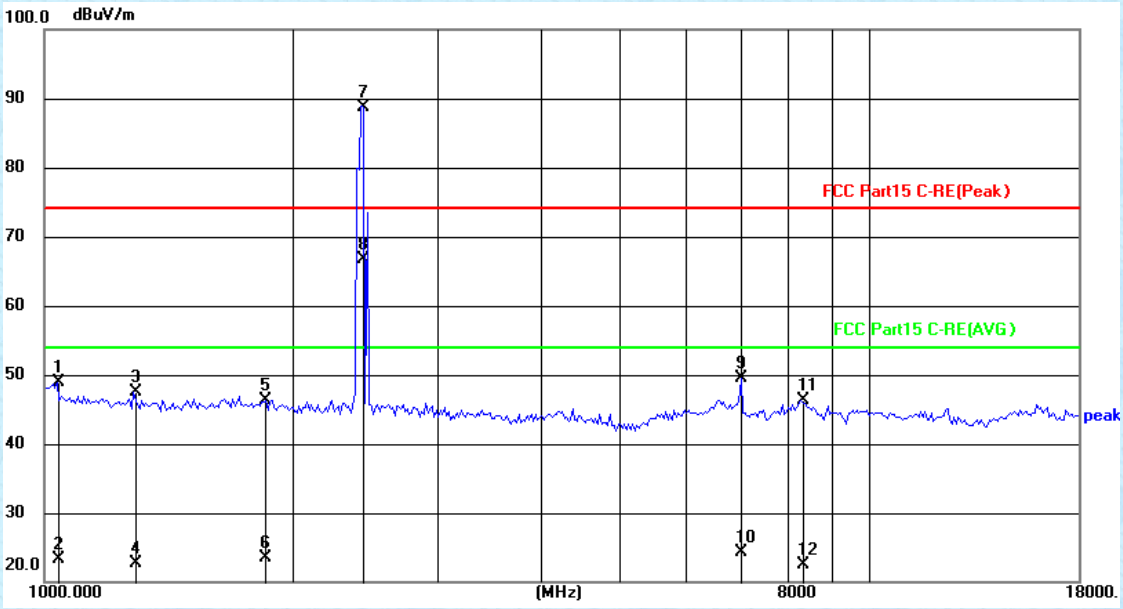
Test mode:	802.11g	Test channel:	Middle

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1017.529	46.85	1.67	48.52	74.00	-25.48	peak
2	1017.529	21.01	1.67	22.68	54.00	-31.32	AVG
3	1837.111	21.65	25.21	46.86	74.00	-27.14	peak
4	1837.111	-1.05	25.21	24.16	54.00	-29.84	AVG
5	2437.000	55.67	26.40	82.07	74.00	8.07	peak
6	2437.000	36.13	26.40	62.53	54.00	8.53	AVG
7	4587.716	16.52	29.59	46.11	74.00	-27.89	peak
8	4587.716	-6.04	29.59	23.55	54.00	-30.45	AVG
9	7002.185	13.93	35.80	49.73	74.00	-24.27	peak
10	7002.185	-14.67	35.80	21.13	54.00	-32.87	AVG
11	11001.415	4.98	39.90	44.88	74.00	-29.12	peak
12	11001.415	-17.49	39.90	22.41	54.00	-31.59	AVG

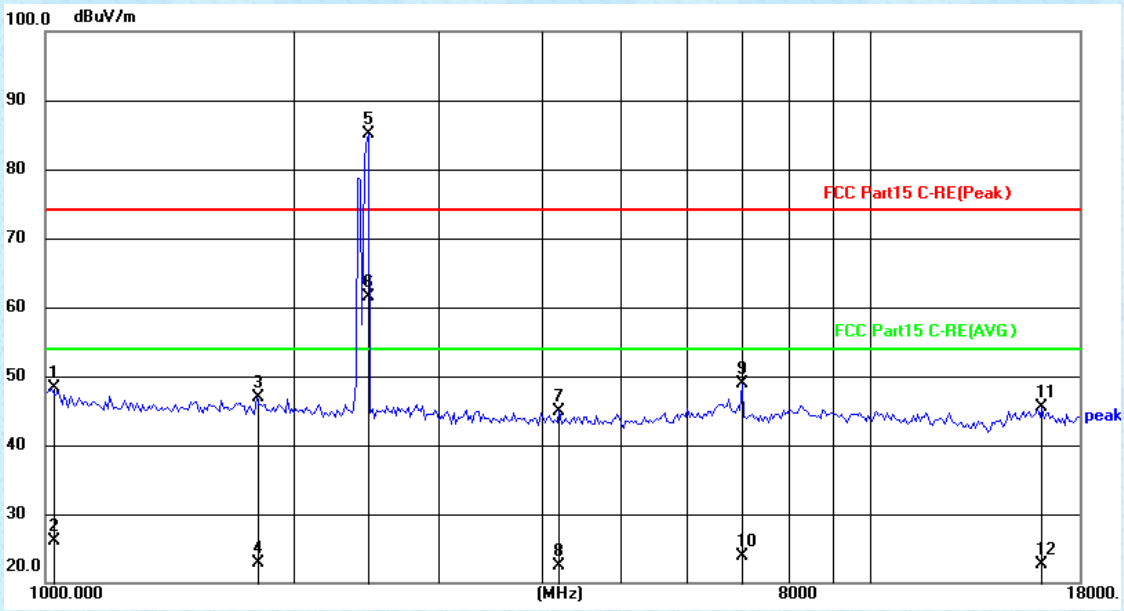
Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1035.365	46.86	1.95	48.81	74.00	-25.19	peak
2	1035.365	21.30	1.95	23.25	54.00	-30.75	AVG
3	1282.832	23.23	24.18	47.41	74.00	-26.59	peak
4	1282.832	-1.50	24.18	22.68	54.00	-31.32	AVG
5	1858.517	21.03	25.28	46.31	74.00	-27.69	peak
6	1858.517	-1.84	25.28	23.44	54.00	-30.56	AVG
7	2437.000	62.38	26.40	88.78	74.00	14.78	peak
8	2437.000	40.22	26.40	66.62	54.00	12.62	AVG
9	7002.185	13.79	35.80	49.59	74.00	-24.41	peak
10	7002.185	-11.44	35.80	24.36	54.00	-29.64	AVG
11	8282.955	9.54	36.73	46.27	74.00	-27.73	peak
12	8282.955	-14.19	36.73	22.54	54.00	-31.46	AVG

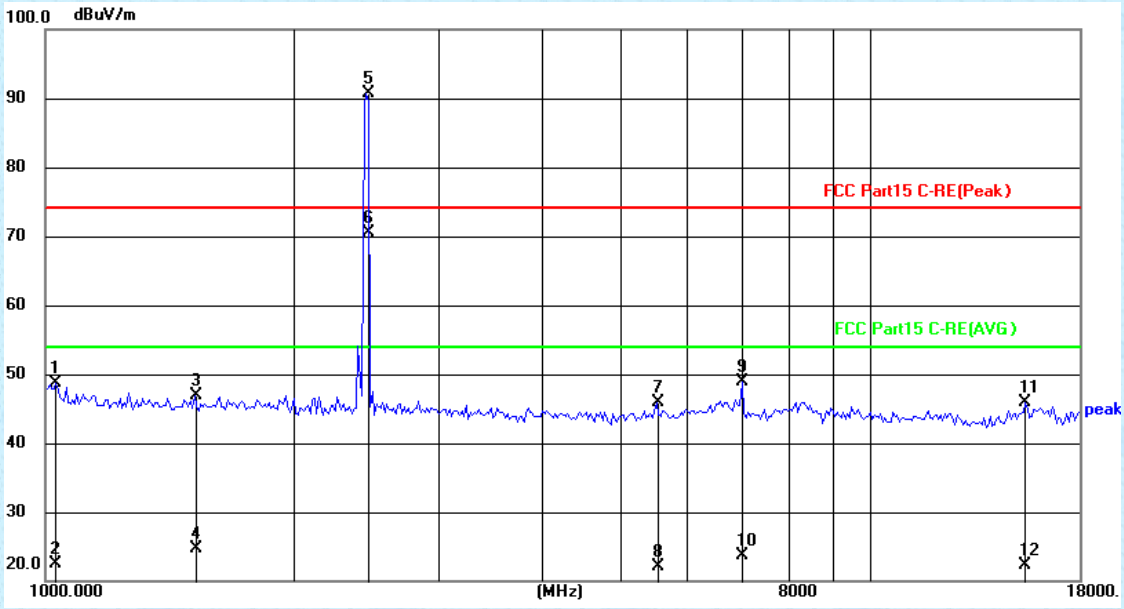
Test mode:	802.11g	Test channel:	Highest

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1017.529	46.58	1.67	48.25	74.00	-25.75	peak
2	1017.529	24.49	1.67	26.16	54.00	-27.84	AVG
3	1805.464	21.76	25.12	46.88	74.00	-27.12	peak
4	1805.464	-2.19	25.12	22.93	54.00	-31.07	AVG
5	2462.000	58.60	26.44	85.04	74.00	11.04	peak
6	2462.000	35.14	26.44	61.58	54.00	7.58	AVG
7	4205.938	15.89	29.11	45.00	74.00	-29.00	peak
8	4205.938	-6.53	29.11	22.58	54.00	-31.42	AVG
9	7002.185	13.15	35.80	48.95	74.00	-25.05	peak
10	7002.185	-11.87	35.80	23.93	54.00	-30.07	AVG
11	16217.807	7.40	38.19	45.59	74.00	-28.41	peak
12	16217.807	-15.47	38.19	22.72	54.00	-31.28	AVG

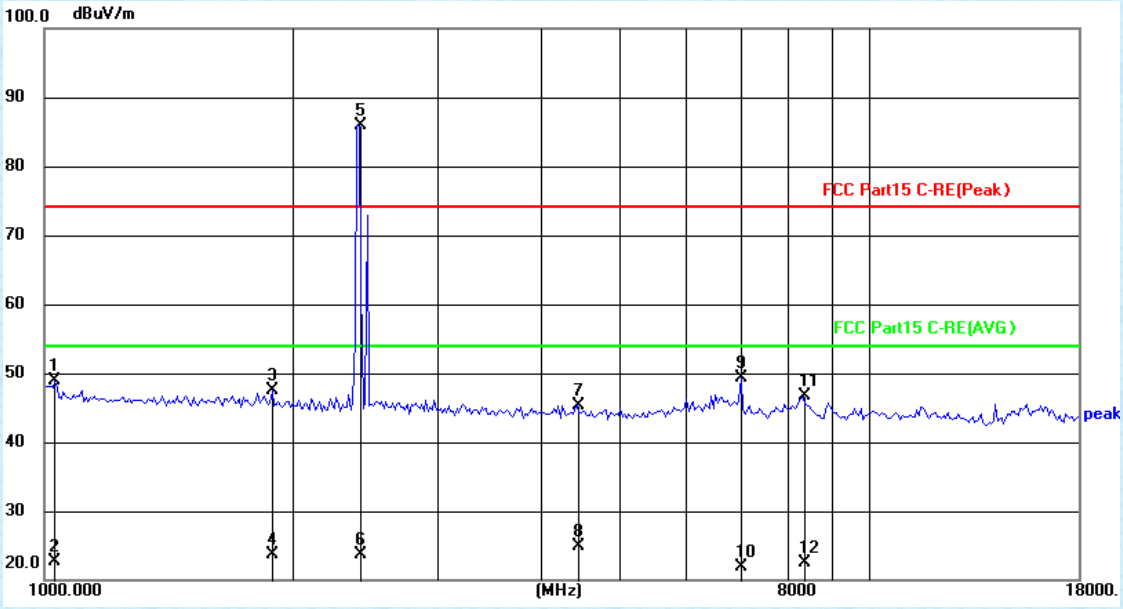
Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1029.385	46.90	1.86	48.76	74.00	-25.24	peak
2	1029.385	20.72	1.86	22.58	54.00	-31.42	AVG
3	1517.475	22.39	24.42	46.81	74.00	-27.19	peak
4	1517.475	0.23	24.42	24.65	54.00	-29.35	AVG
5	2462.000	64.29	26.44	90.73	74.00	16.73	peak
6	2462.000	44.15	26.44	70.59	54.00	16.59	AVG
7	5521.982	14.65	31.27	45.92	74.00	-28.08	peak
8	5521.982	-9.15	31.27	22.12	54.00	-31.88	AVG
9	7002.185	13.12	35.80	48.92	74.00	-25.08	peak
10	7002.185	-12.13	35.80	23.67	54.00	-30.33	AVG
11	15483.442	7.93	38.00	45.93	74.00	-28.07	peak
12	15483.442	-15.62	38.00	22.38	54.00	-31.62	AVG

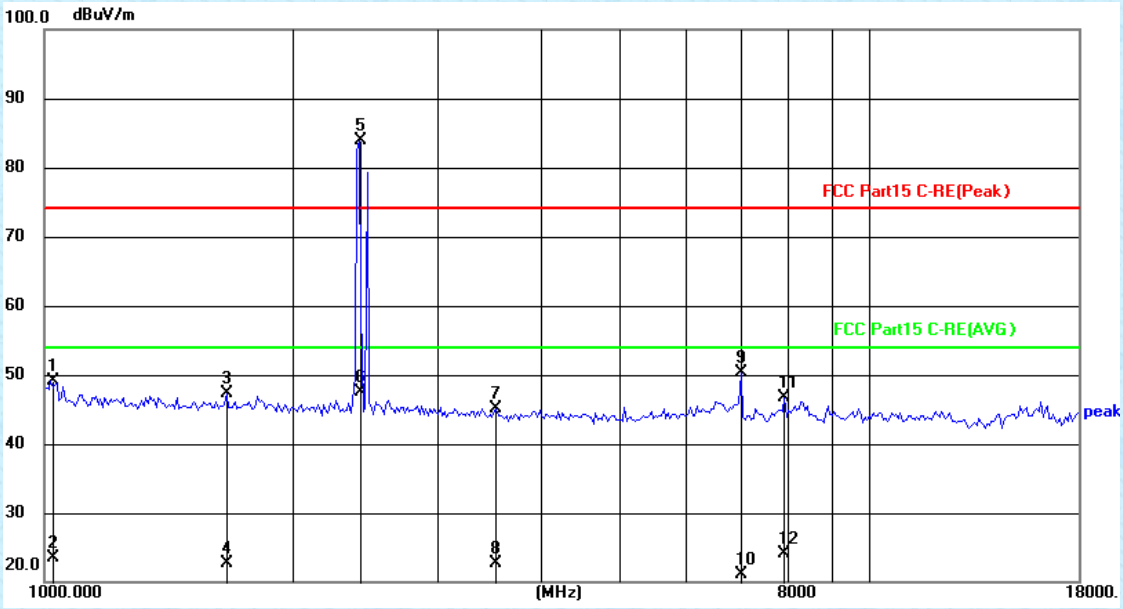
Test mode:	802.11n(HT20)	Test channel:	Lowest

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1029.385	46.99	1.86	48.85	74.00	-25.15	peak
2	1029.385	20.76	1.86	22.62	54.00	-31.38	AVG
3	1891.095	22.13	25.37	47.50	74.00	-26.50	peak
4	1891.095	-1.74	25.37	23.63	54.00	-30.37	AVG
5	2412.000	59.60	26.36	85.96	74.00	11.96	peak
6	2412.000	-2.74	26.36	23.62	54.00	-30.38	AVG
7	4431.014	16.07	29.33	45.40	74.00	-28.60	peak
8	4431.014	-4.50	29.33	24.83	54.00	-29.17	AVG
9	7002.185	13.49	35.80	49.29	74.00	-24.71	peak
10	7002.185	-13.92	35.80	21.88	54.00	-32.12	AVG
11	8331.072	10.02	36.73	46.75	74.00	-27.25	peak
12	8331.072	-14.24	36.73	22.49	54.00	-31.51	AVG

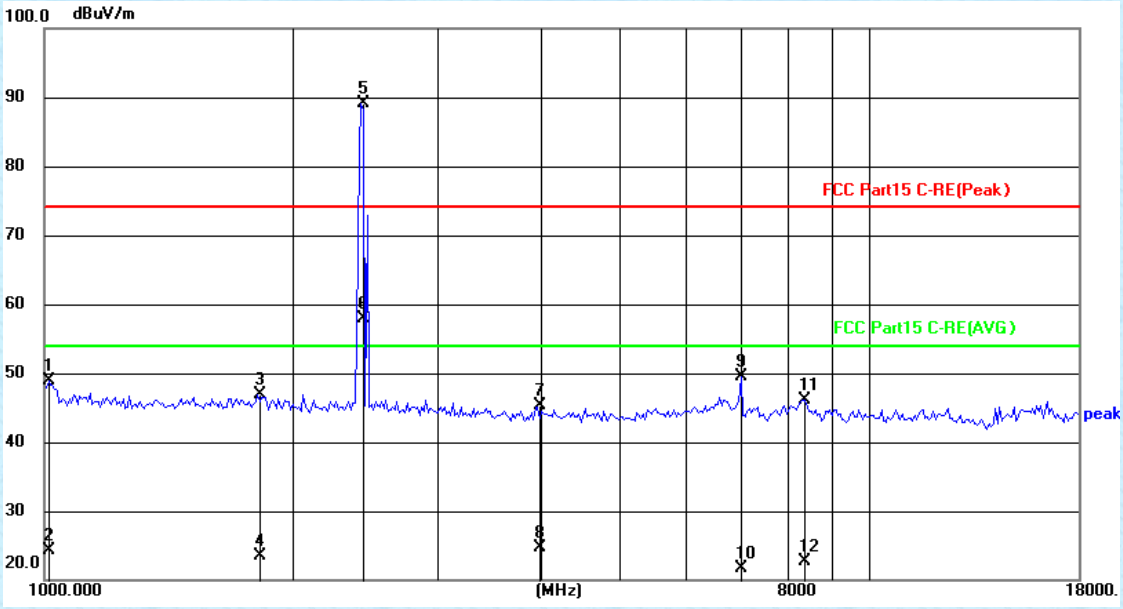
Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1017.529	47.48	1.67	49.15	74.00	-24.85	peak
2	1017.529	21.92	1.67	23.59	54.00	-30.41	AVG
3	1664.833	22.56	24.69	47.25	74.00	-26.75	peak
4	1664.833	-1.93	24.69	22.76	54.00	-31.24	AVG
5	2412.000	57.59	26.36	83.95	74.00	9.95	peak
6	2412.000	21.13	26.36	47.49	54.00	-6.51	AVG
7	3535.050	16.75	28.34	45.09	74.00	-28.91	peak
8	3535.050	-5.71	28.34	22.63	54.00	-31.37	AVG
9	7002.185	14.56	35.80	50.36	74.00	-23.64	peak
10	7002.185	-14.62	35.80	21.18	54.00	-32.82	AVG
11	7907.891	10.10	36.59	46.69	74.00	-27.31	peak
12	7907.891	-12.52	36.59	24.07	54.00	-29.93	AVG

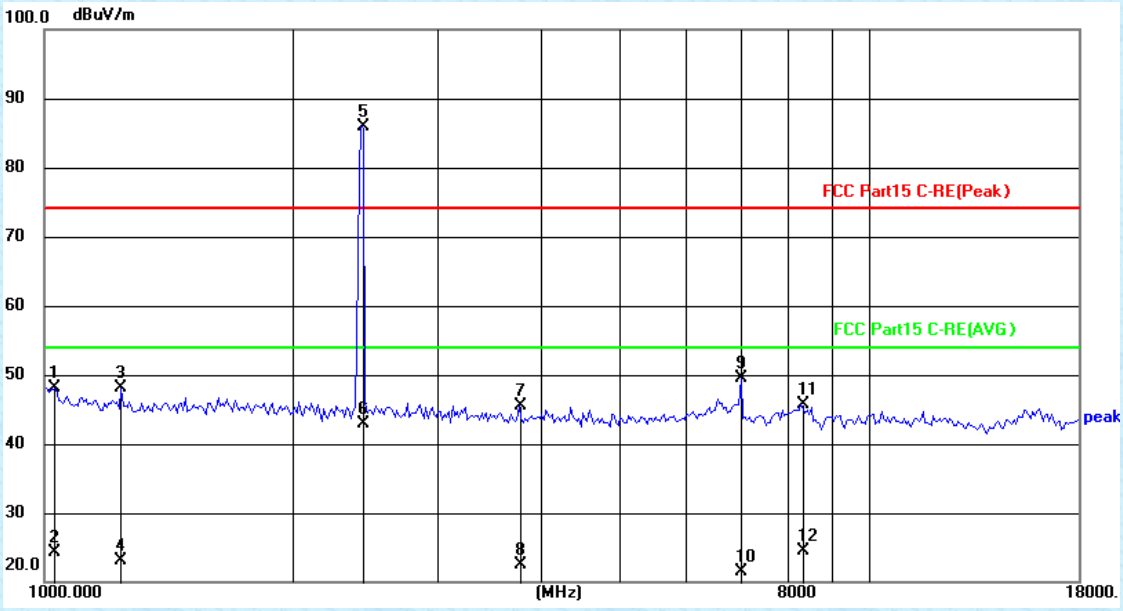
Test mode:	802.11n(HT20)	Test channel:	Middle

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1011.652	47.28	1.58	48.86	74.00	-25.14	peak
2	1011.652	22.81	1.58	24.39	54.00	-29.61	AVG
3	1815.952	21.69	25.15	46.84	74.00	-27.16	peak
4	1815.952	-1.57	25.15	23.58	54.00	-30.42	AVG
5	2437.000	62.74	26.40	89.14	74.00	15.14	peak
6	2437.000	31.44	26.40	57.84	54.00	3.84	AVG
7	3969.238	16.34	28.86	45.20	74.00	-28.80	peak
8	3969.238	-4.23	28.86	24.63	54.00	-29.37	AVG
9	7002.185	13.63	35.80	49.43	74.00	-24.57	peak
10	7002.185	-14.13	35.80	21.67	54.00	-32.33	AVG
11	8379.468	9.45	36.74	46.19	74.00	-27.81	peak
12	8379.468	-14.00	36.74	22.74	54.00	-31.26	AVG

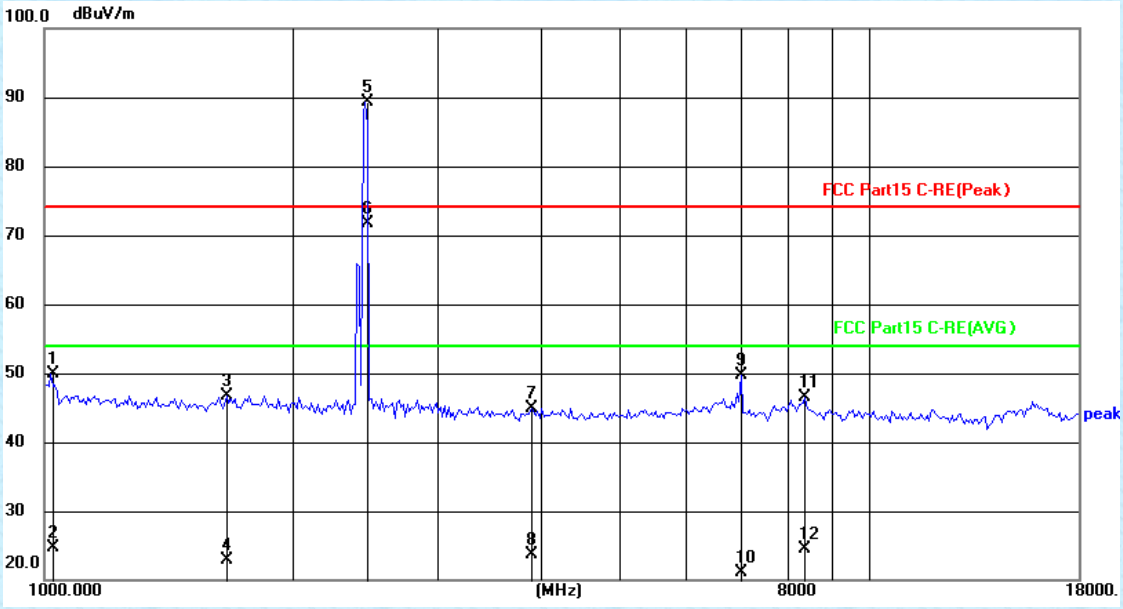
Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1029.385	46.27	1.86	48.13	74.00	-25.87	peak
2	1029.385	22.51	1.86	24.37	54.00	-29.63	AVG
3	1239.014	23.91	24.14	48.05	74.00	-25.95	peak
4	1239.014	-0.95	24.14	23.19	54.00	-30.81	AVG
5	2437.000	59.60	26.40	86.00	74.00	12.00	peak
6	2437.000	16.46	26.40	42.86	54.00	-11.14	AVG
7	3767.619	16.90	28.62	45.52	74.00	-28.48	peak
8	3767.619	-6.11	28.62	22.51	54.00	-31.49	AVG
9	7002.185	13.68	35.80	49.48	74.00	-24.52	peak
10	7002.185	-14.36	35.80	21.44	54.00	-32.56	AVG
11	8282.955	9.04	36.73	45.77	74.00	-28.23	peak
12	8282.955	-12.30	36.73	24.43	54.00	-29.57	AVG

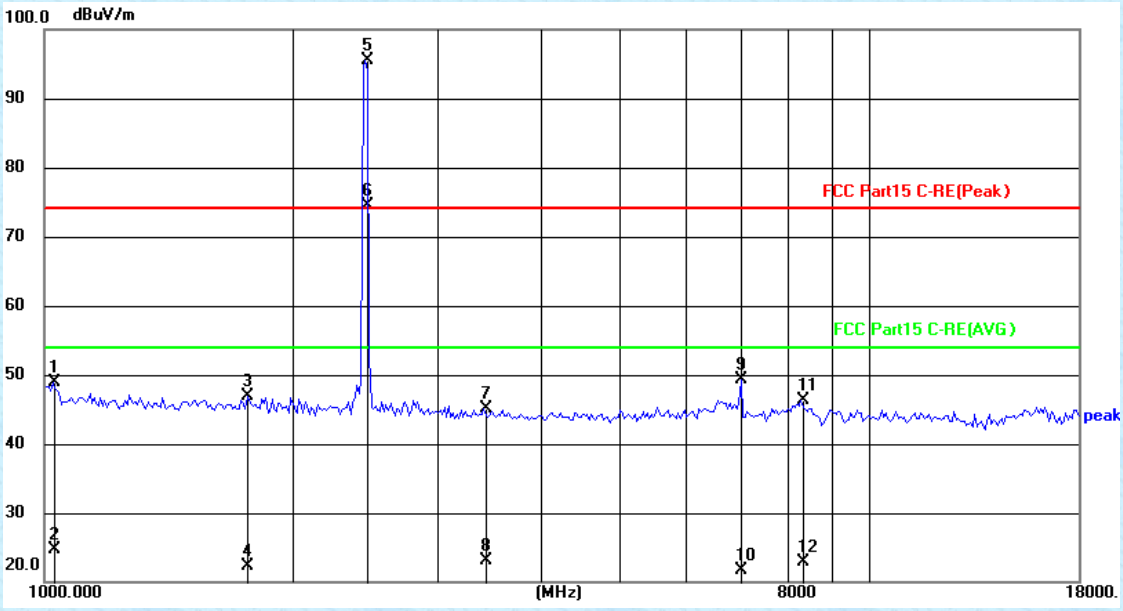
Test mode:	802.11n(HT20)	Test channel:	Highest

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1017.529	48.22	1.67	49.89	74.00	-24.11	peak
2	1017.529	22.94	1.67	24.61	54.00	-29.39	AVG
3	1664.833	22.04	24.69	46.73	74.00	-27.27	peak
4	1664.833	-1.83	24.69	22.86	54.00	-31.14	AVG
5	2462.000	62.91	26.44	89.35	74.00	15.35	peak
6	2462.000	45.22	26.44	71.66	54.00	17.66	AVG
7	3900.860	16.19	28.78	44.97	74.00	-29.03	peak
8	3900.860	-5.03	28.78	23.75	54.00	-30.25	AVG
9	7002.185	13.98	35.80	49.78	74.00	-24.22	peak
10	7002.185	-14.69	35.80	21.11	54.00	-32.89	AVG
11	8379.468	9.75	36.74	46.49	74.00	-27.51	peak
12	8379.468	-12.32	36.74	24.42	54.00	-29.58	AVG

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1023.440	47.21	1.76	48.97	74.00	-25.03	peak
2	1023.440	22.89	1.76	24.65	54.00	-29.35	AVG
3	1764.113	21.90	24.99	46.89	74.00	-27.11	peak
4	1764.113	-2.78	24.99	22.21	54.00	-31.79	AVG
5	2462.000	69.14	26.44	95.58	74.00	21.58	peak
6	2462.000	47.99	26.44	74.43	54.00	20.43	AVG
7	3414.304	16.95	28.15	45.10	74.00	-28.90	peak
8	3414.304	-5.13	28.15	23.02	54.00	-30.98	AVG
9	7002.185	13.48	35.80	49.28	74.00	-24.72	peak
10	7002.185	-14.07	35.80	21.73	54.00	-32.27	AVG
11	8282.955	9.55	36.73	46.28	74.00	-27.72	peak
12	8282.955	-13.93	36.73	22.80	54.00	-31.20	AVG

Remark:

1 Final Level =Receiver Read level + Antenna Factor

2 "", means this data is the too weak instrument of signal is unable to test.*

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** and **appendix III** for details.

------End------