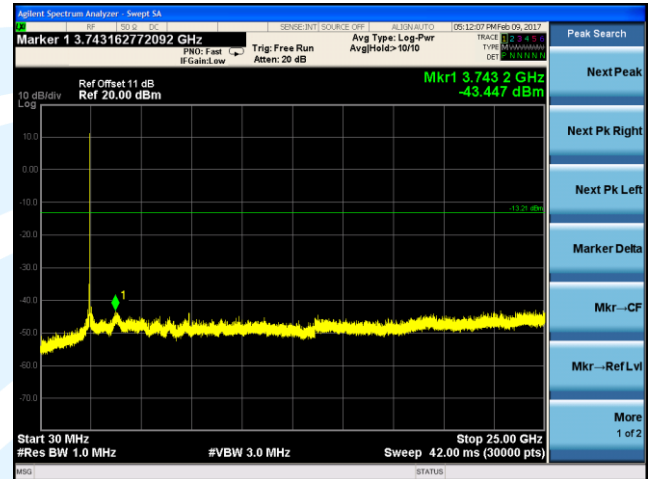
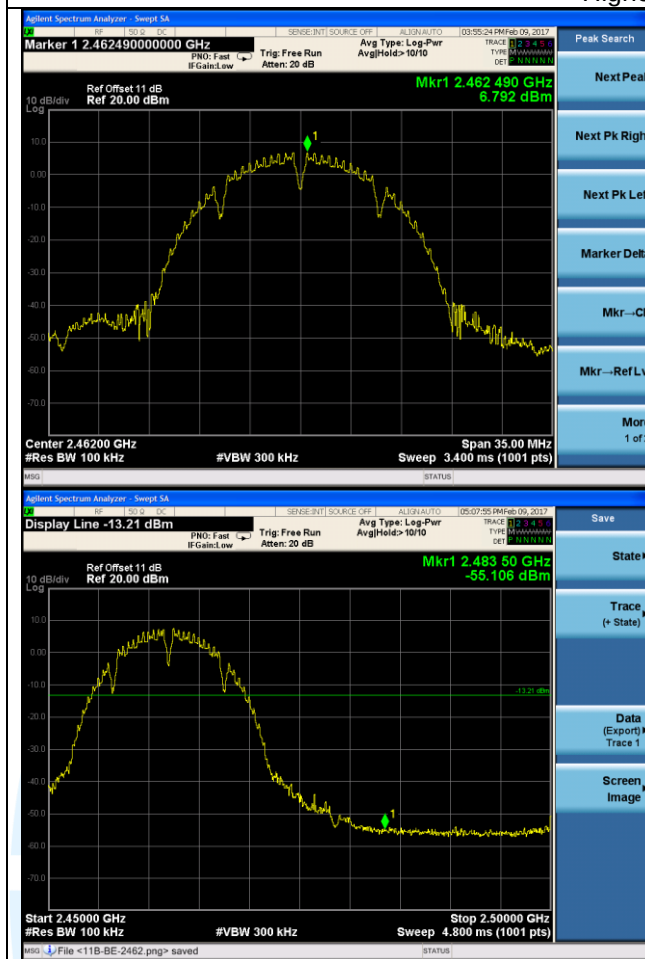
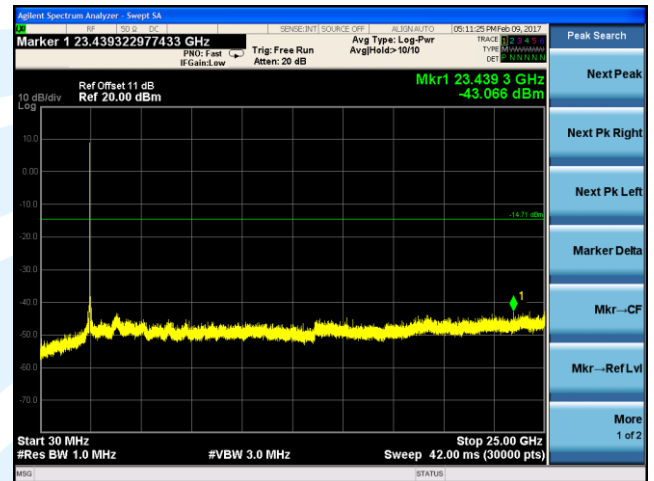
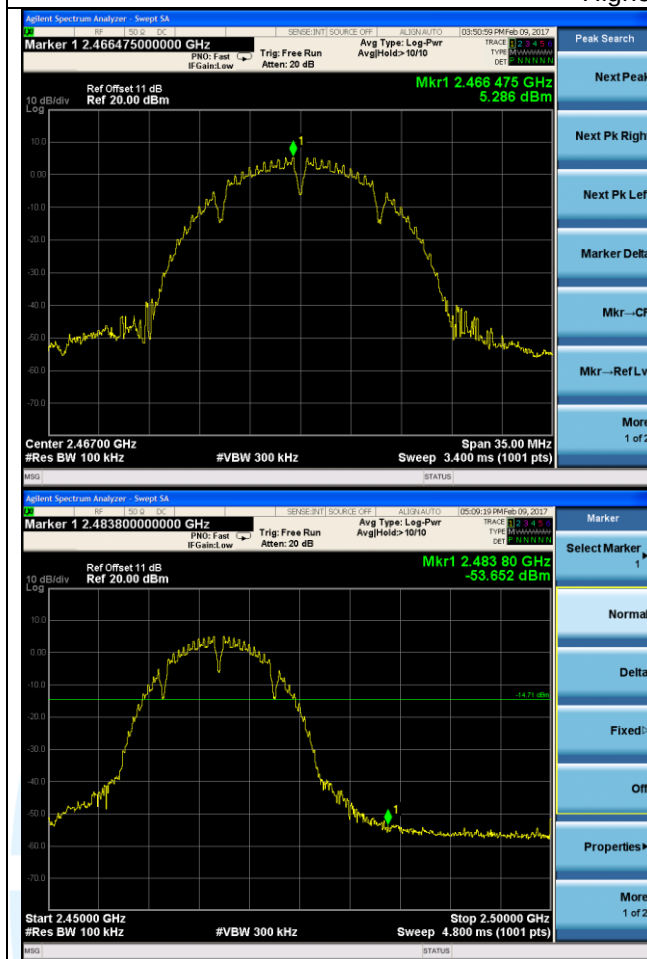


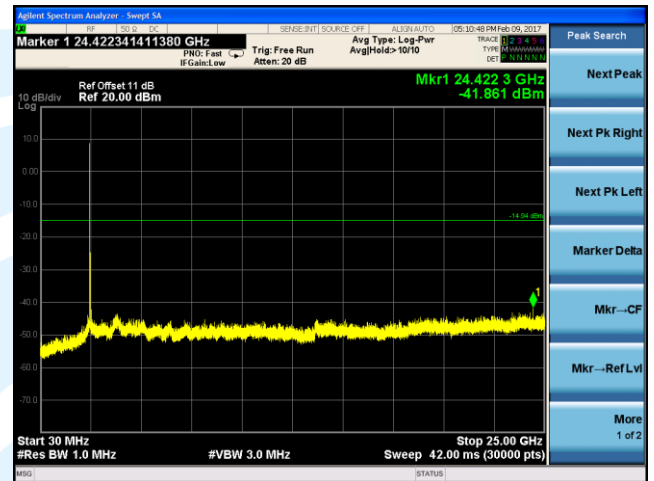
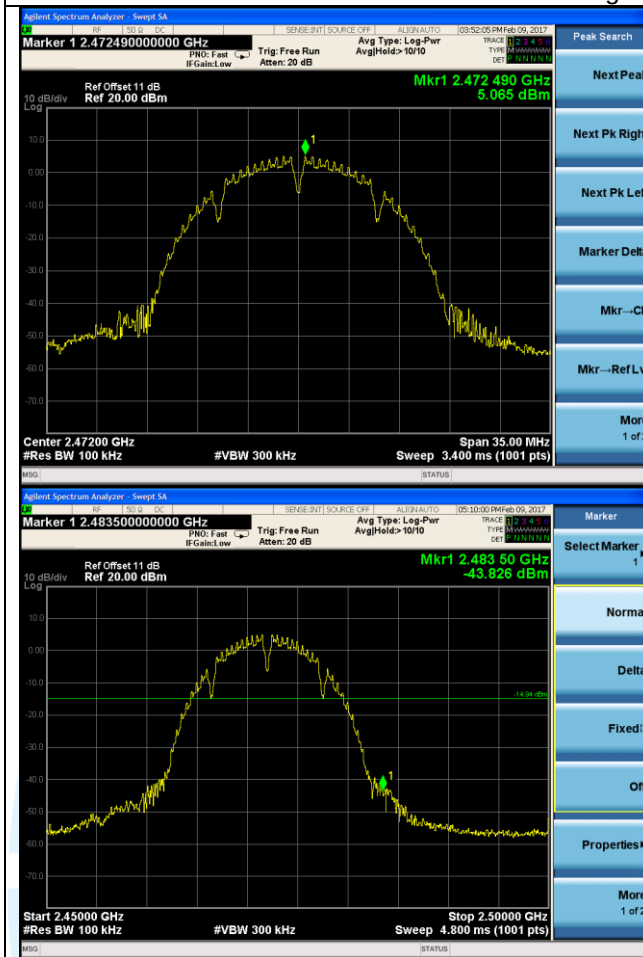
Highest CH11

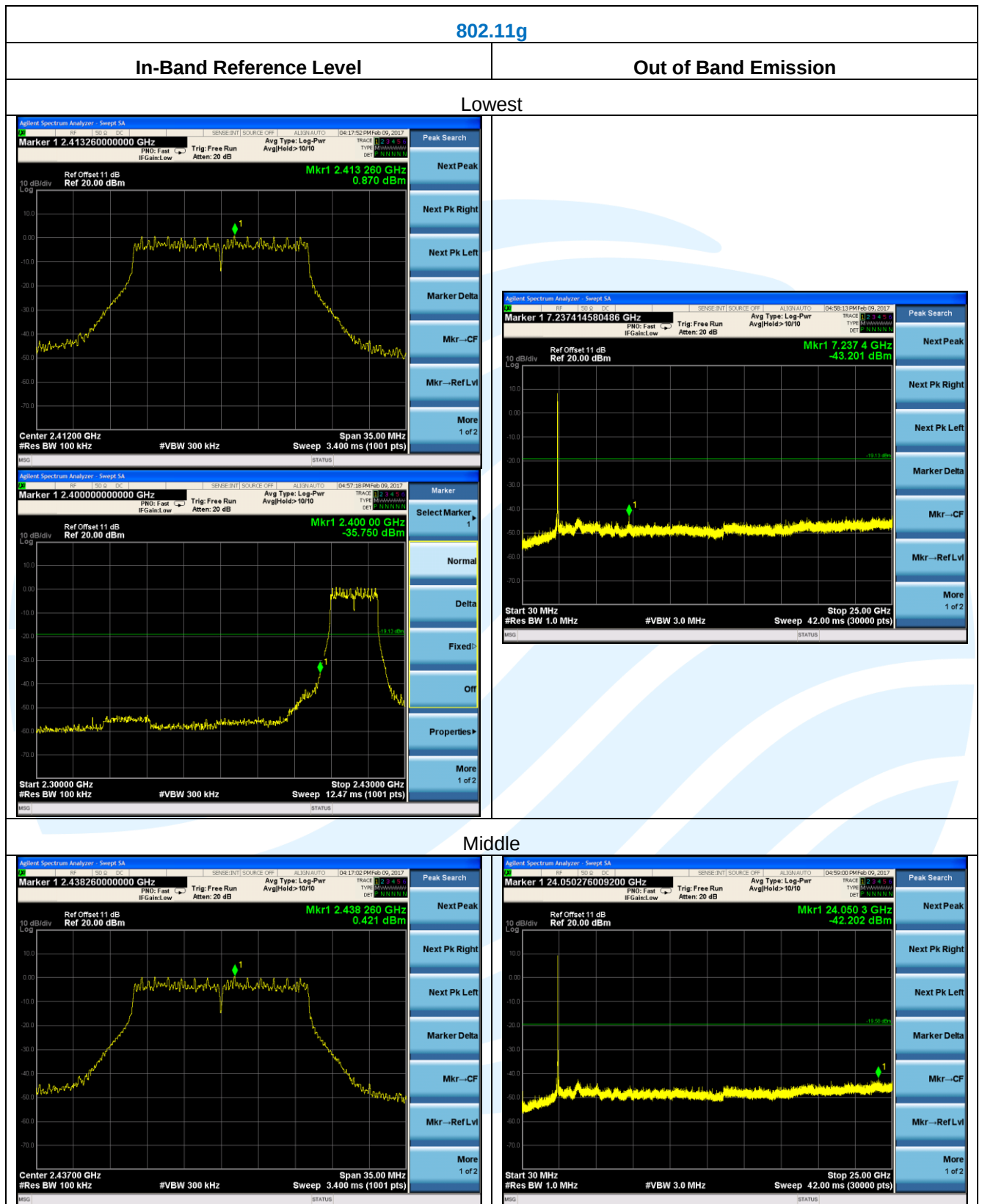


Highest CH12

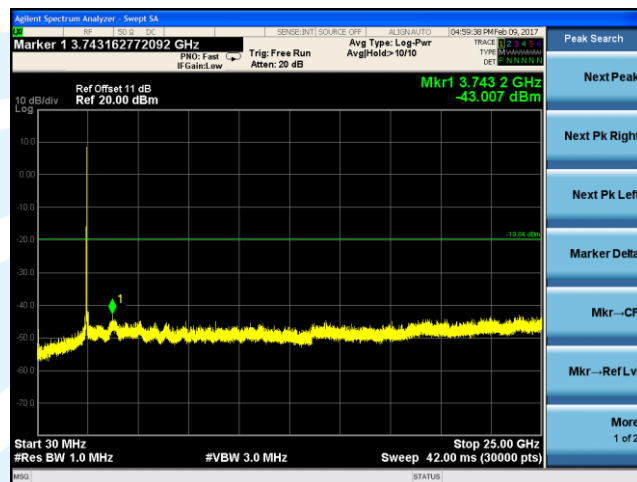
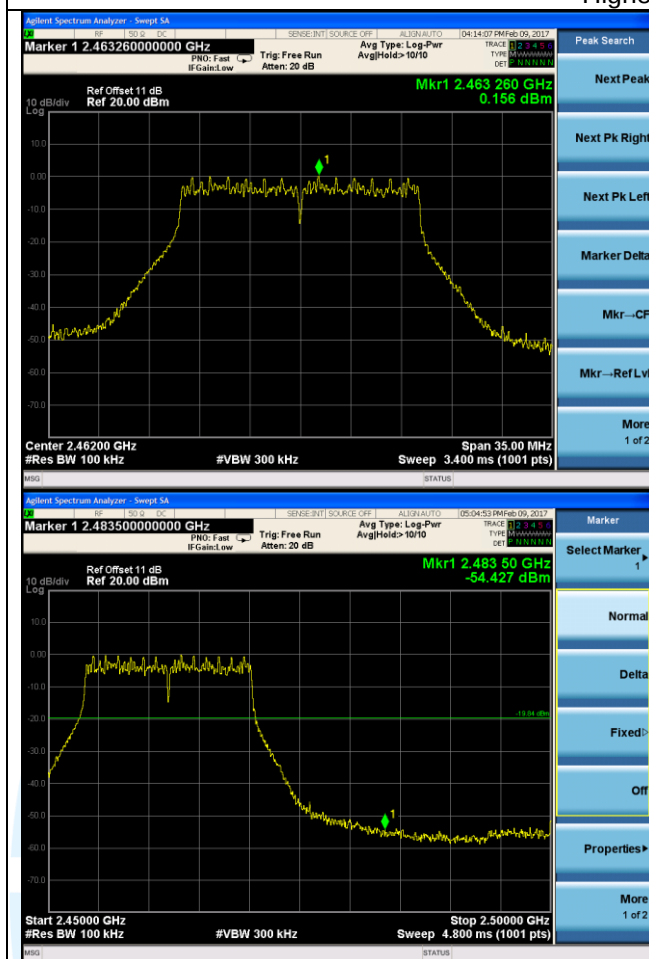


Highest CH13

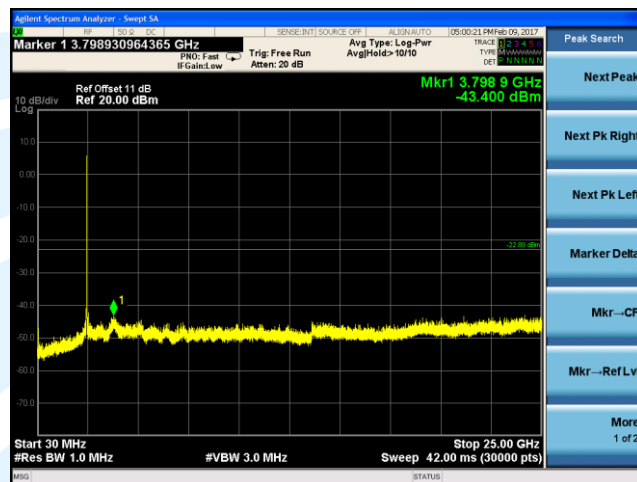
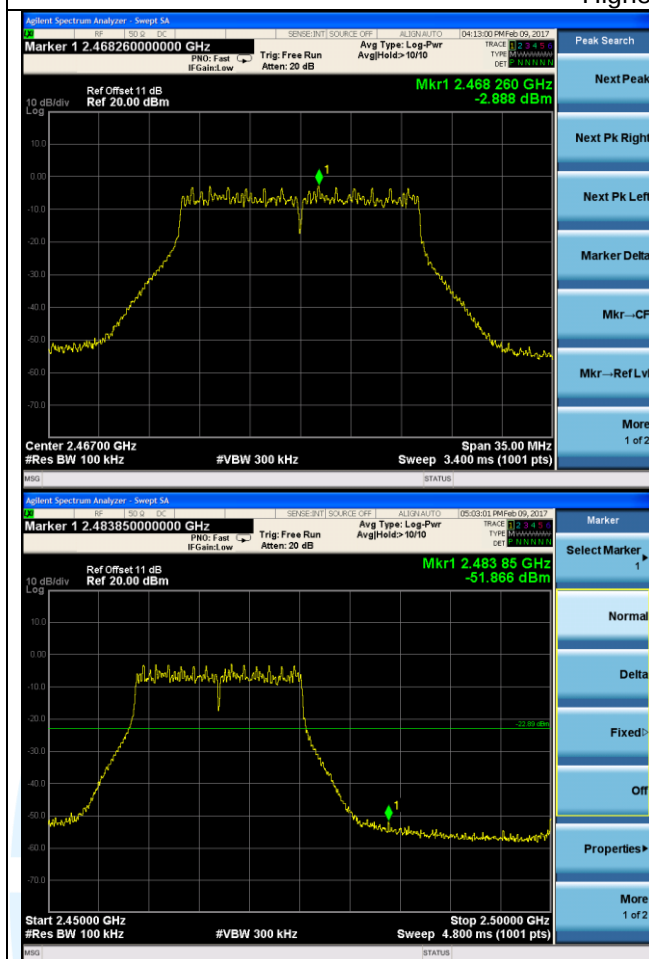




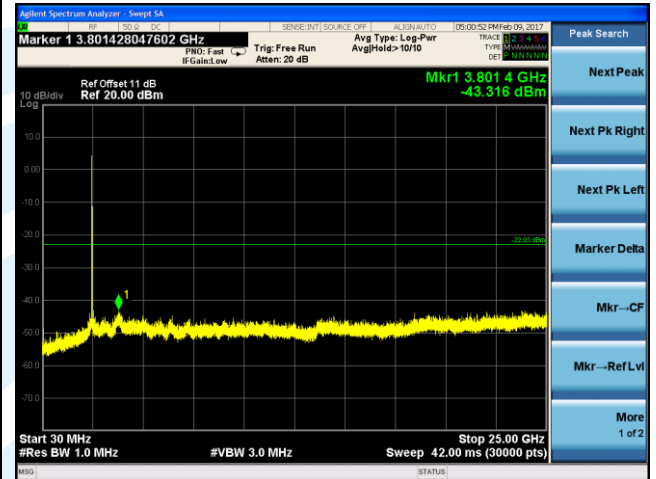
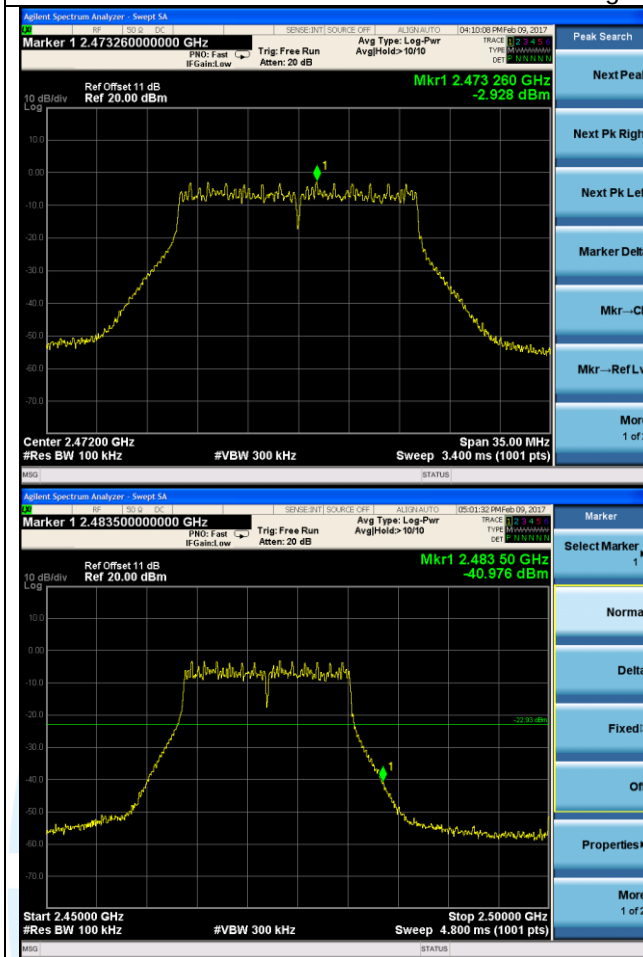
Highest CH11

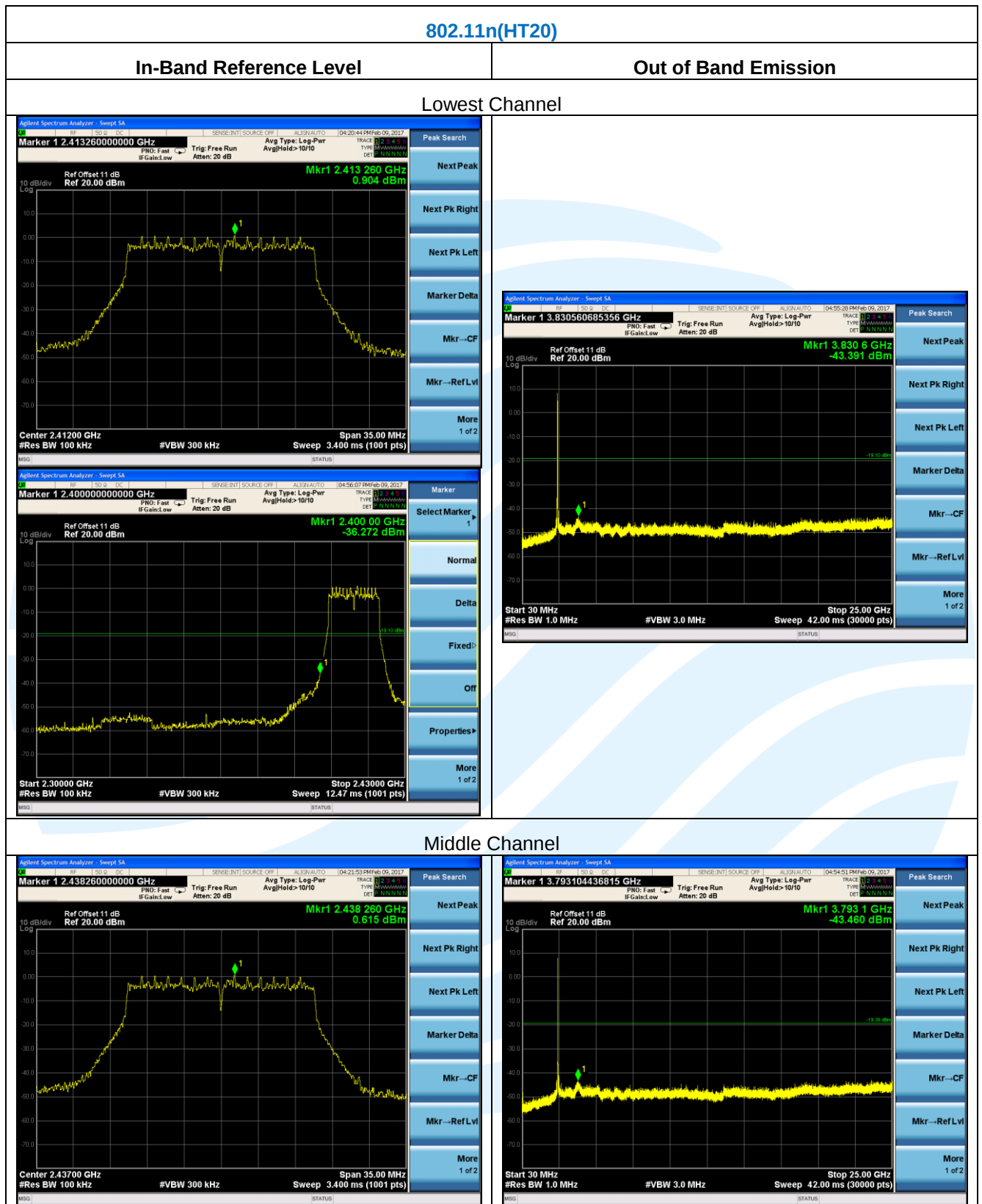


Highest CH12

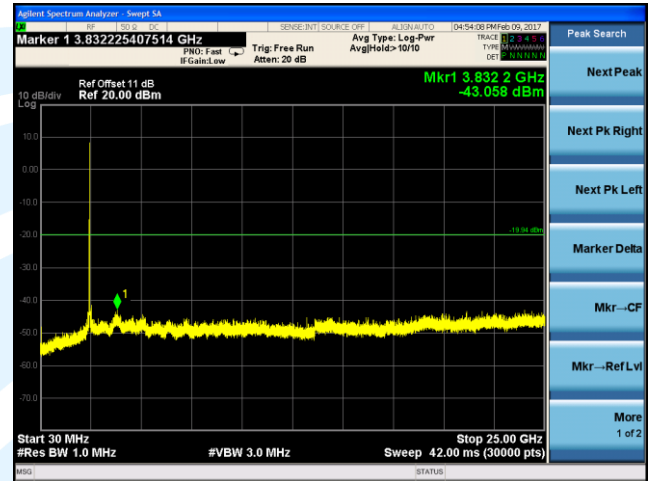
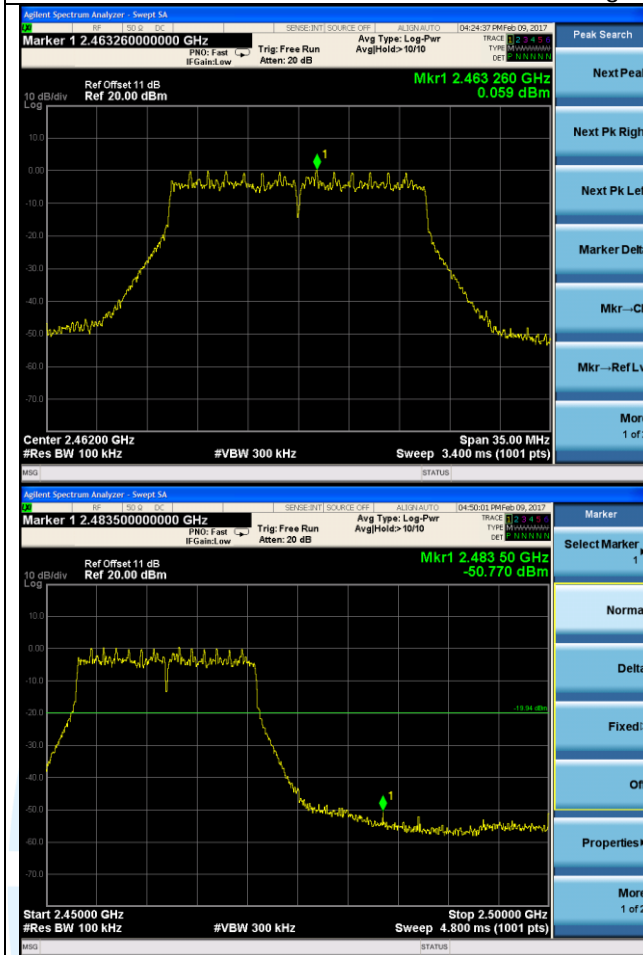


Highest CH13

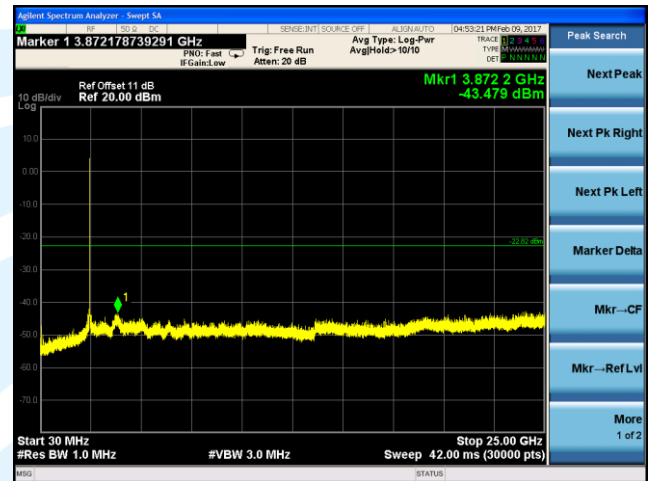
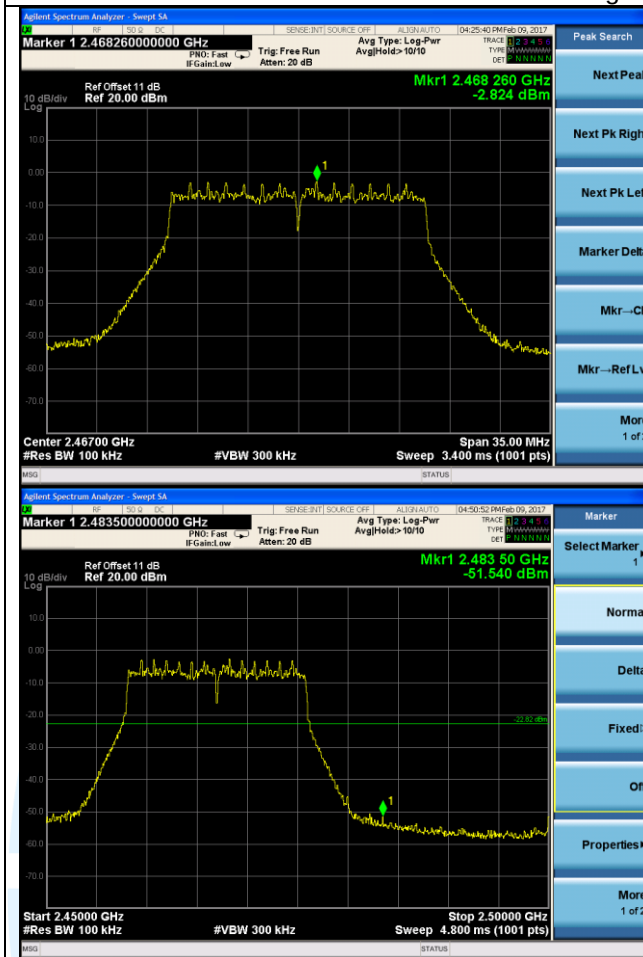




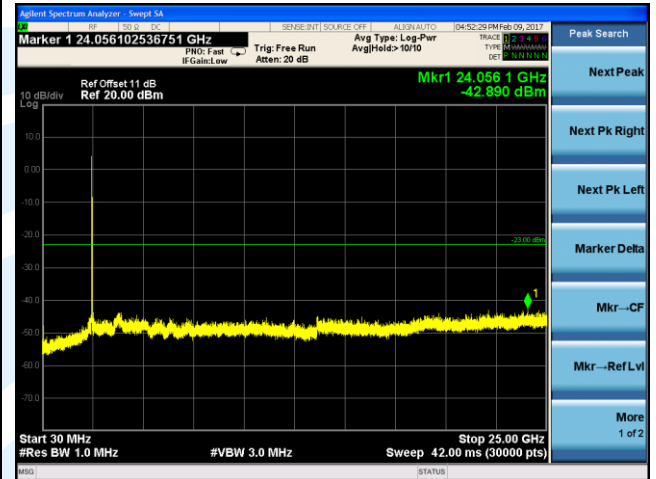
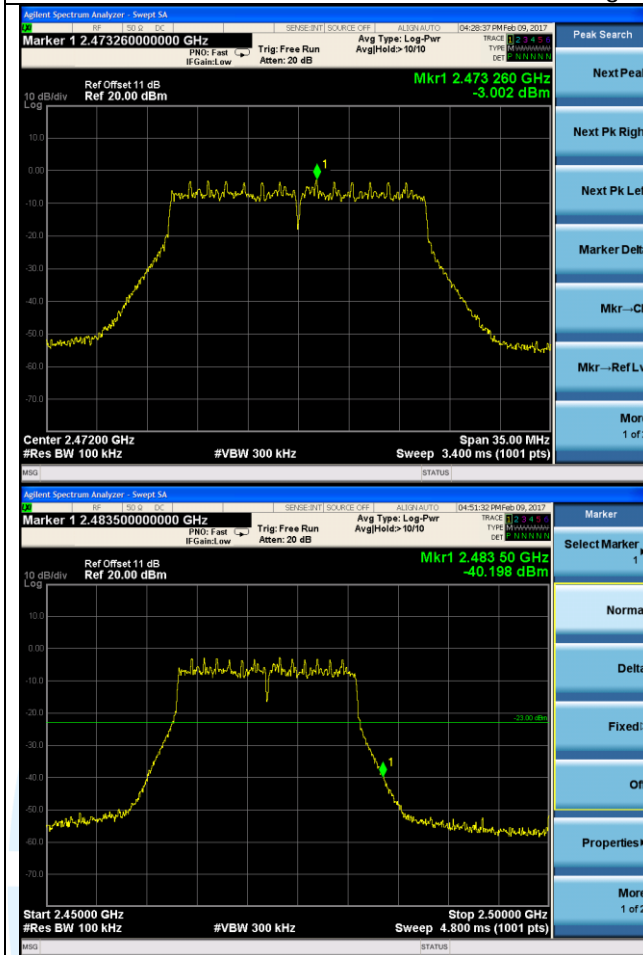
Highest CH11

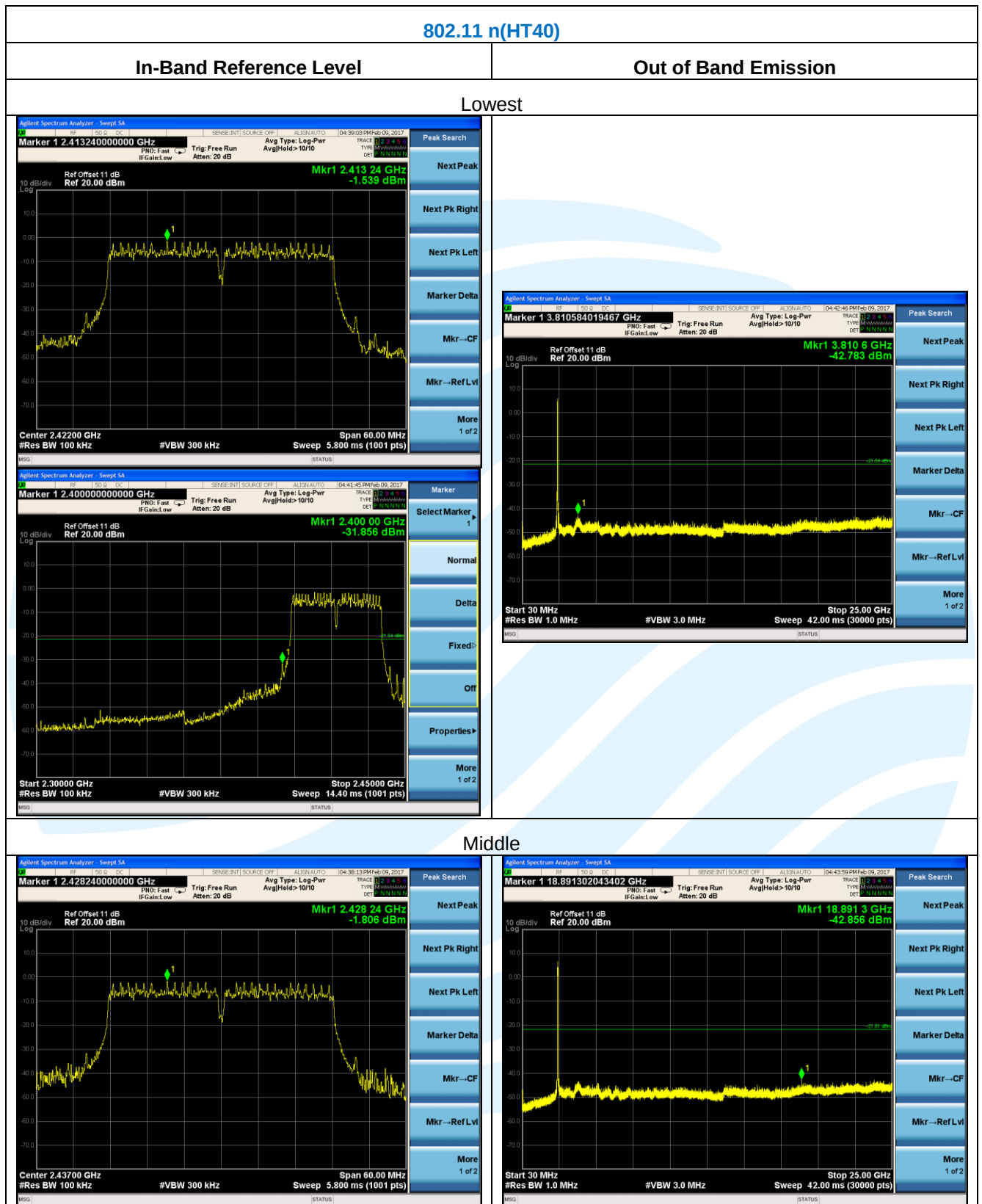


Highest CH12

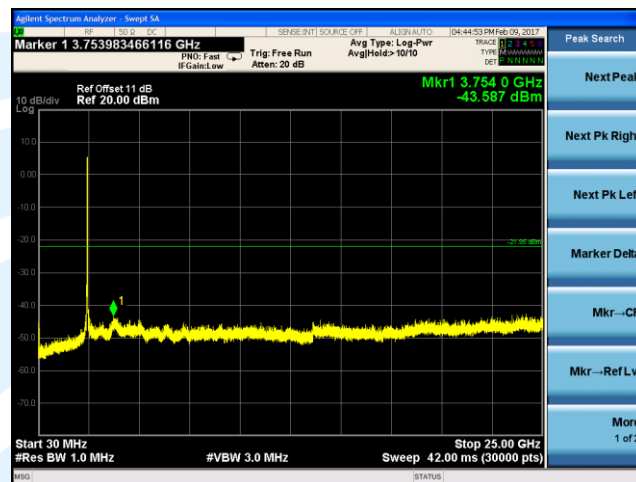
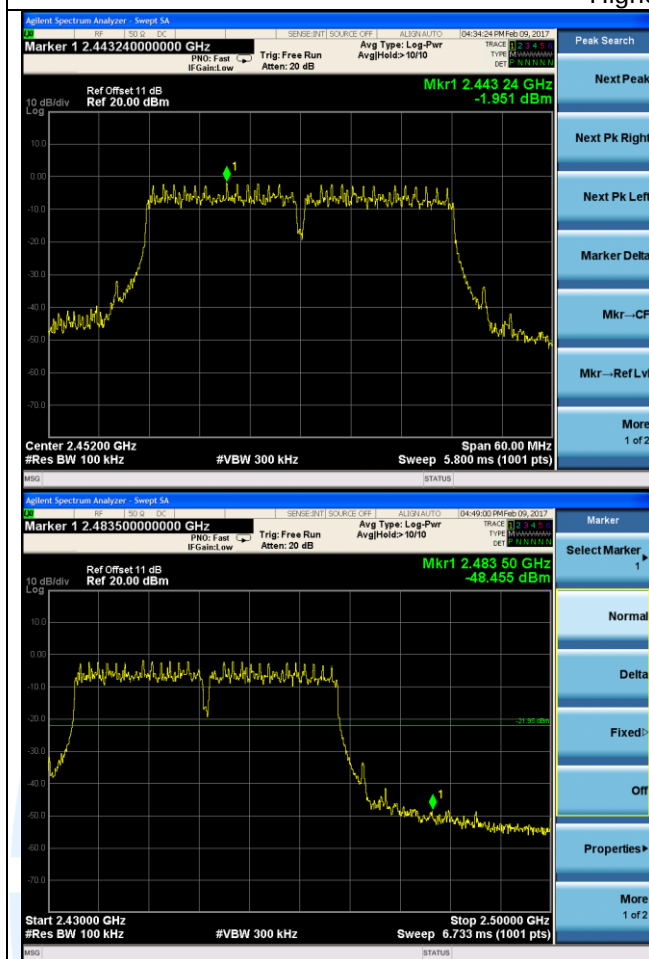


Highest CH13

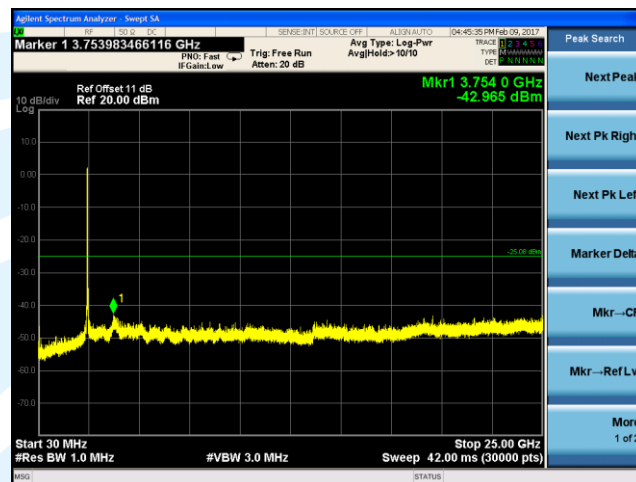
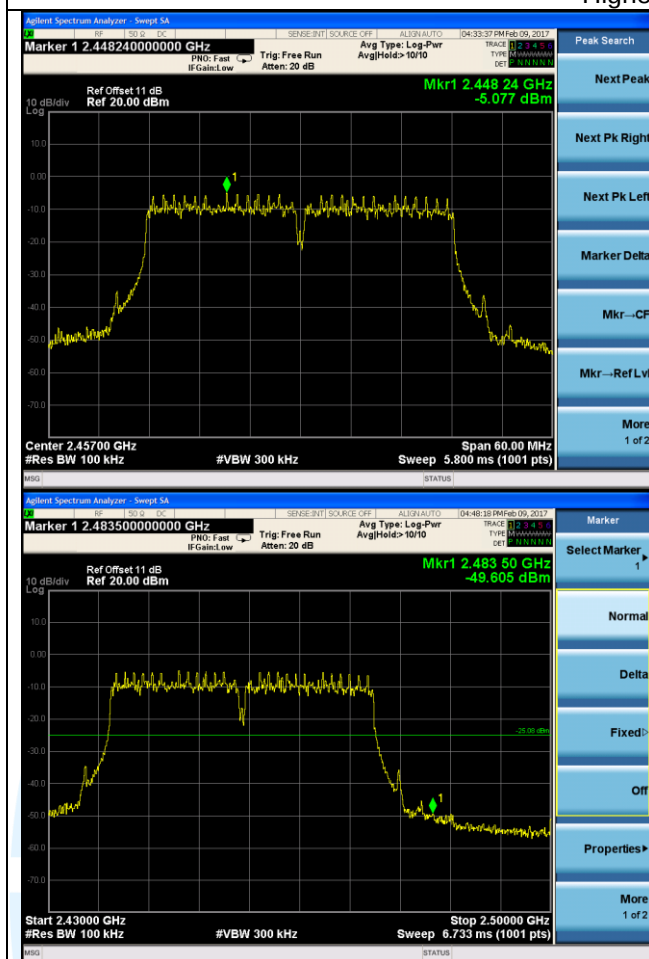




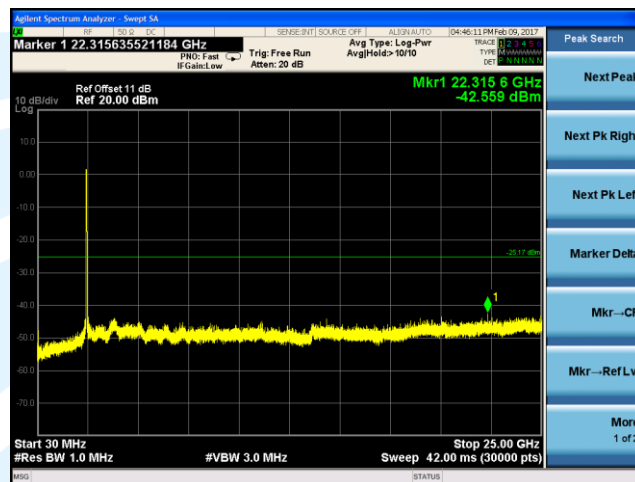
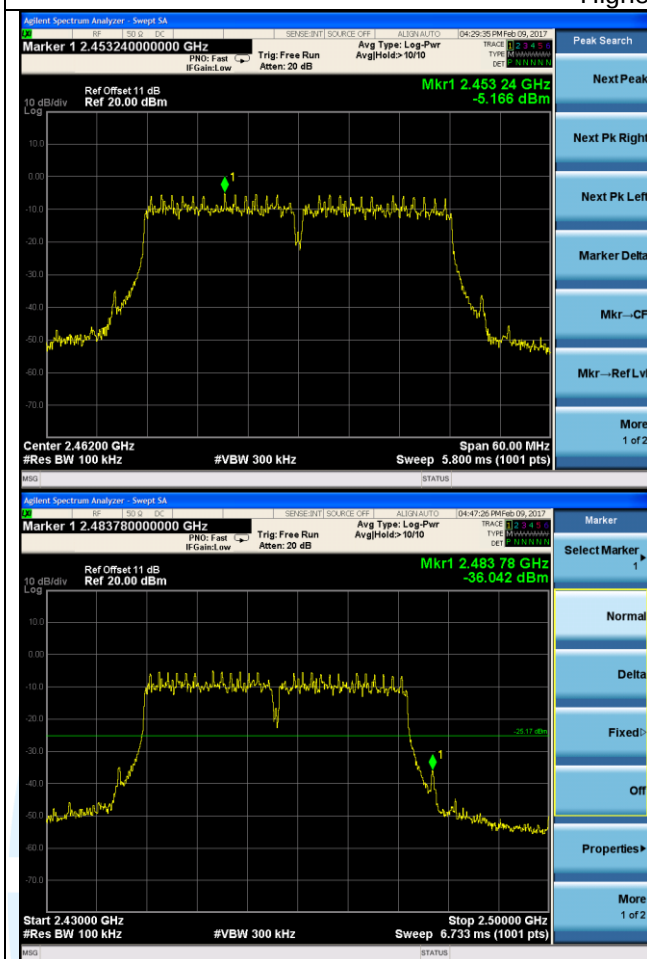
Highest_CH9



Highest CH10



Highest CH11



5.6 Radiated Spurious Emissions

Test Requirement:

FCC 47 CFR Part 15 Subpart C Section 15.205/15.209

Test Method:

KDB 558074 D01 v03r05 Section 12.1

Limit:

Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	54.0	Average	3

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

Remark:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

The emissions were measured using the following resolution bandwidths:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

Harmonic and Spurious emissions that were identified as coming from the EUT were checked in Peak and in Average Mode. The high frequency, which started from 10 to26.5GHz, which above 10GHz are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured was not reported.

Peak measurements and average measurements are made. All emissions were determined to have a peak-to-average ratio of less than 20dB.

Test Procedure:**Below 1GHz test procedure as below:**

- a) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.
- e) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f) Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel

Above 1GHz test procedure as below:

- g) Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber change from table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).
- h) Test the EUT in the lowest channel , the Highest channel
- i) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.
- j) Repeat above procedures until all frequencies measured was complete.

Test Setup:

Refer to section 4.1.2 for details.

Instruments Used:

Refer to section 3 for details

Test Mode:

Transmitter mode

Test Results:

Pass

Test Data:**Radiated Emission Test Data (9 KHz ~ 30MHz)**

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

Radiated Emission Test Data (Above 10 GHz)

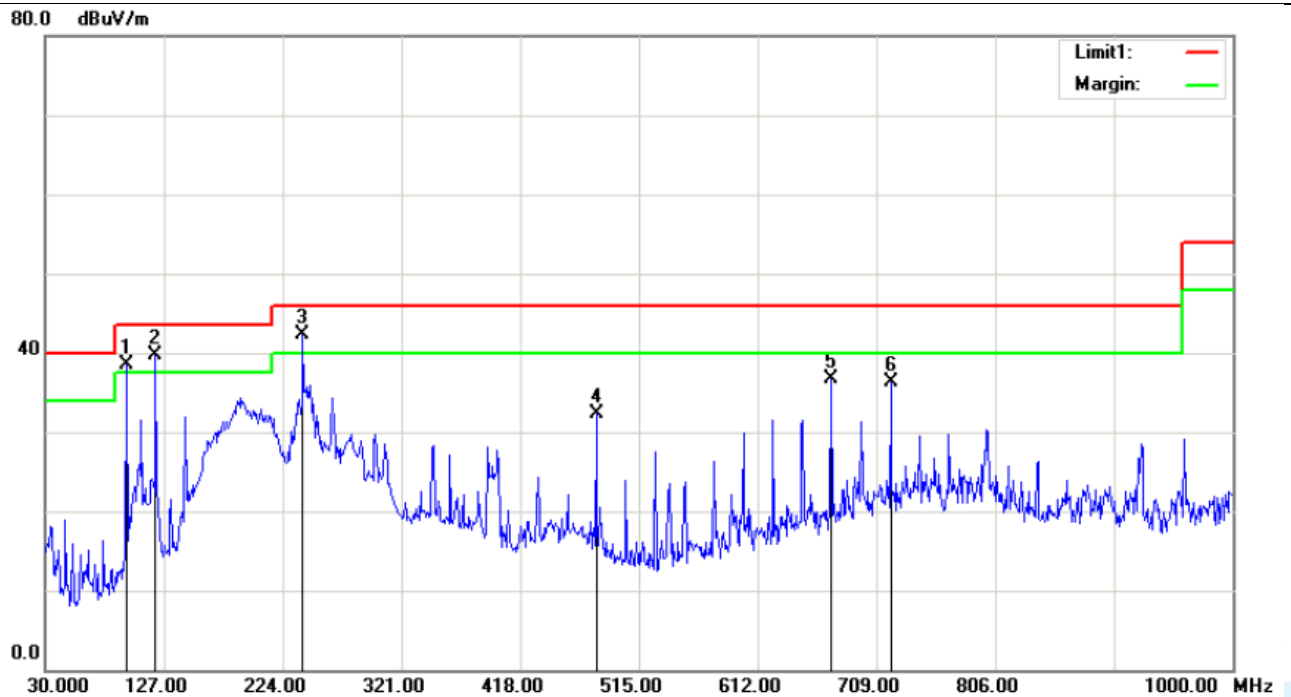
The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

Radiated Emission Test Data (30MHz ~ 1 GHz Worst Case)

Model: MK-QTWIFI-04(A)

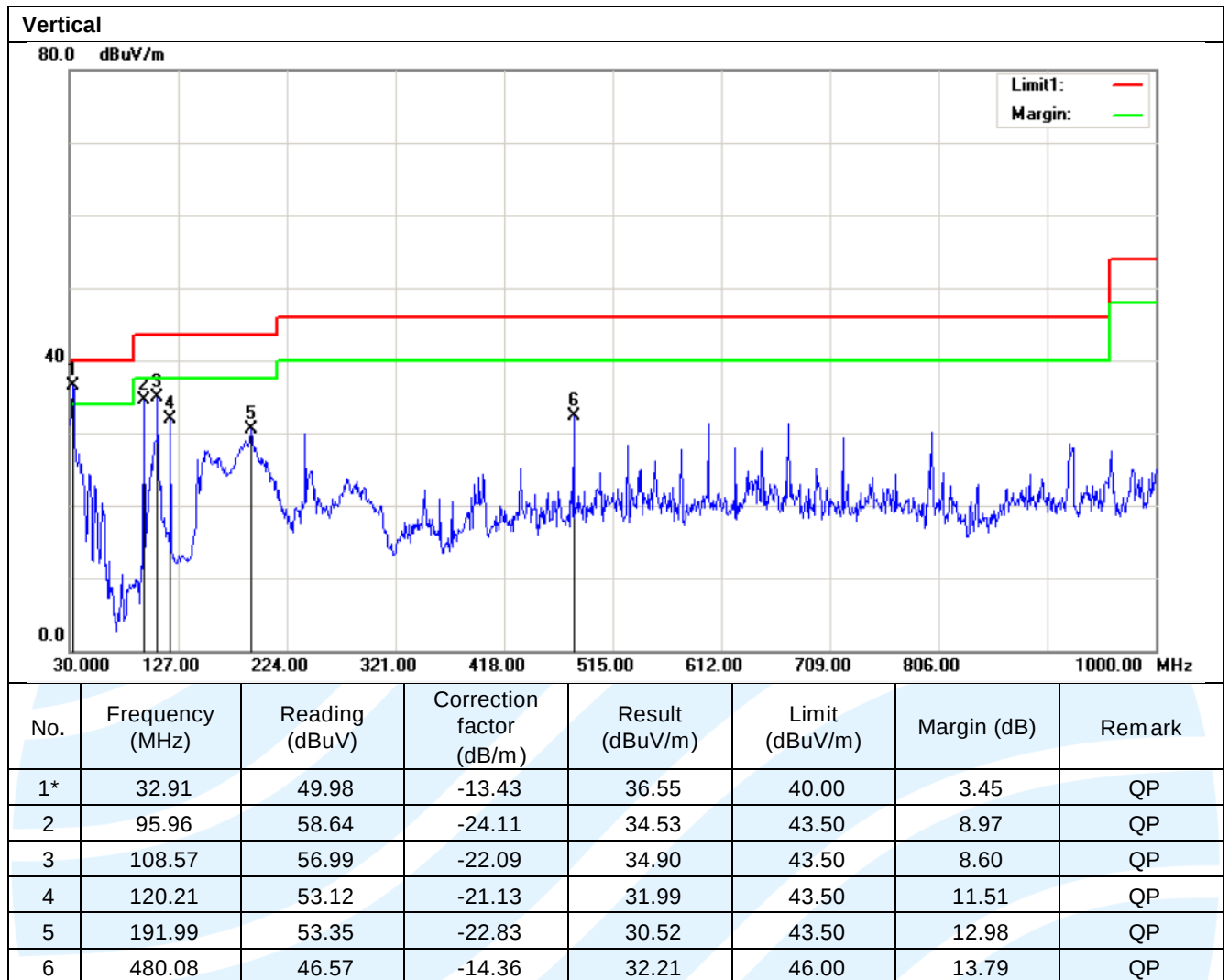
802.11b_Tx_Lowest

Horizontal



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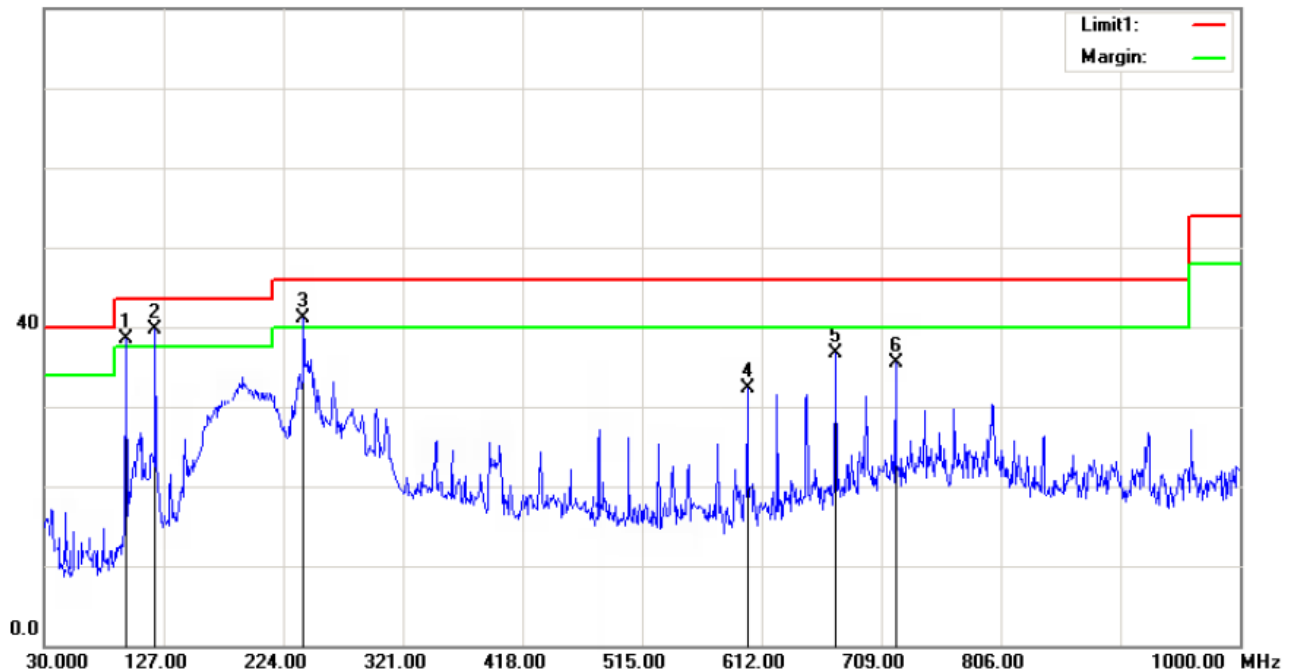


Model: MK-QTWIFI-04(B)

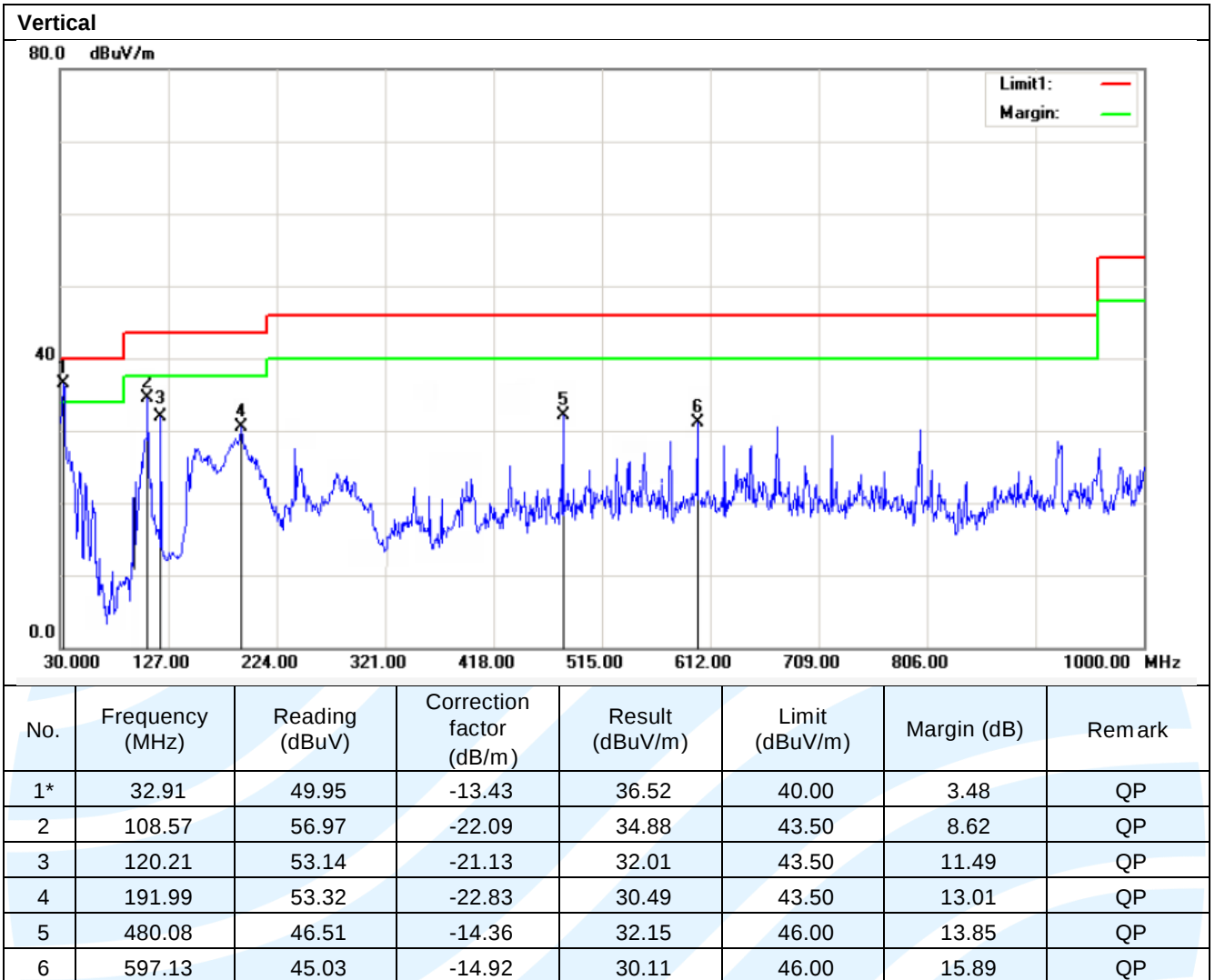
802.11b_Tx_Lowest

Horizontal

80.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	95.96	62.53	-24.11	38.42	43.50	5.08	QP
2*	120.21	60.75	-21.13	39.62	43.50	3.88	QP
3	240.49	62.78	-21.48	41.30	46.00	4.70	QP
4	597.13	45.14	-13.17	31.97	46.00	14.03	QP
5	672.14	48.87	-12.19	36.68	46.00	9.32	QP
6	720.64	48.05	-11.84	36.21	46.00	9.79	QP



Radiated Emission Test Data (1GHz ~ 10GHz Worst Case)

Model: MK-QTWIFI-04(A)						
802.11b						
Tx_Lowest						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	1441.0000	42.16	74.00	31.84	Peak	Horizontal
2	2494.0000	42.53	74.00	31.47	Peak	Horizontal
3	3196.0000	42.11	74.00	31.89	Peak	Horizontal
4	4824.0000	45.75	74.00	28.25	Peak	Horizontal
5	5923.0000	46.46	74.00	27.54	Peak	Horizontal
6	7236.0000	49.44	74.00	24.56	Peak	Horizontal
7	1099.0000	44.22	74.00	29.78	Peak	Vertical
8	1603.0000	44.27	74.00	29.73	Peak	Vertical
9	4824.0000	47.97	74.00	26.03	Peak	Vertical
10	5689.0000	47.36	74.00	26.64	Peak	Vertical
11	7012.0000	47.99	74.00	26.01	Peak	Vertical
12	7507.0000	49.08	74.00	24.92	Peak	Vertical
Tx_Middle						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	1441.0000	43.22	74.00	30.78	Peak	Horizontal
2	2530.0000	42.41	74.00	31.59	Peak	Horizontal
3	3970.0000	42.94	74.00	31.06	Peak	Horizontal
4	5230.0000	45.40	74.00	28.60	Peak	Horizontal
5	6310.0000	45.90	74.00	28.10	Peak	Horizontal
6	7699.0000	50.08	74.00	23.92	Peak	Horizontal
7	1090.0000	42.33	74.00	31.67	Peak	Vertical
8	1441.0000	42.15	74.00	31.85	Peak	Vertical
9	1603.0000	43.84	74.00	30.16	Peak	Vertical
10	2566.0000	42.51	74.00	31.49	Peak	Vertical
11	4195.0000	43.25	74.00	30.75	Peak	Vertical
12	7687.0000	50.13	74.00	23.87	Peak	Vertical
Tx_CH11						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	1441.0000	41.98	74.00	32.02	Peak	Horizontal
2	1747.0000	45.44	74.00	28.56	Peak	Horizontal
3	2548.0000	42.81	74.00	31.19	Peak	Horizontal
4	4447.0000	43.55	74.00	30.45	Peak	Horizontal
5	5401.0000	46.09	74.00	27.91	Peak	Horizontal
6	6355.0000	47.57	74.00	26.43	Peak	Horizontal
7	1603.0000	48.40	74.00	25.60	Peak	Vertical
8	2143.0000	40.29	74.00	33.71	Peak	Vertical
9	2818.0000	42.48	74.00	31.52	Peak	Vertical
10	3529.0000	41.95	74.00	32.05	Peak	Vertical
11	4924.0000	45.43	74.00	28.57	Peak	Vertical
12	6697.0000	46.59	74.00	27.41	Peak	Vertical

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Tx_Highest_CH12						
No.	Frequency (MHz)	Result (dBUV)	Limit (dBUV/m)	Margin (dB)	Remark	Ant. Polar.
1	1441.0000	43.09	74.00	30.91	Peak	Horizontal
2	1594.0000	41.11	74.00	32.89	Peak	Horizontal
3	2530.0000	42.35	74.00	31.65	Peak	Horizontal
4	2818.0000	41.45	74.00	32.55	Peak	Horizontal
5	3214.0000	41.55	74.00	32.45	Peak	Horizontal
6	3817.0000	41.86	74.00	32.14	Peak	Horizontal
7	1441.0000	43.06	74.00	30.94	Peak	Vertical
8	1594.0000	47.45	74.00	26.55	Peak	Vertical
9	2539.0000	42.52	74.00	31.48	Peak	Vertical
10	2863.0000	41.25	74.00	32.75	Peak	Vertical
11	3583.0000	42.11	74.00	31.89	Peak	Vertical
12	3808.0000	41.83	74.00	32.17	Peak	Vertical
Tx_Highest_CH13						
No.	Frequency (MHz)	Result (dBUV)	Limit (dBUV/m)	Margin (dB)	Remark	Ant. Polar.
1	1441.0000	41.66	74.00	32.34	Peak	Horizontal
2	1594.0000	40.93	74.00	33.07	Peak	Horizontal
3	2503.0000	42.91	74.00	31.09	Peak	Horizontal
4	3151.0000	41.67	74.00	32.33	Peak	Horizontal
5	3835.0000	42.01	74.00	31.99	Peak	Horizontal
6	4627.0000	43.86	74.00	30.14	Peak	Horizontal
7	1603.0000	45.41	74.00	28.59	Peak	Vertical
8	1756.0000	43.82	74.00	30.18	Peak	Vertical
9	2566.0000	42.43	74.00	31.57	Peak	Vertical
10	3196.0000	42.19	74.00	31.81	Peak	Vertical
11	3826.0000	41.79	74.00	32.21	Peak	Vertical
12	4465.0000	44.23	74.00	29.77	Peak	Vertical

802.11g						
Tx_Lowest						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	1342.0000	43.58	74.00	30.42	Peak	Horizontal
2	1756.0000	47.00	74.00	27.00	Peak	Horizontal
3	2548.0000	42.45	74.00	31.55	Peak	Horizontal
4	2845.0000	42.71	74.00	31.29	Peak	Horizontal
5	3619.0000	43.03	74.00	30.97	Peak	Horizontal
6	3835.0000	43.87	74.00	30.13	Peak	Horizontal
7	1594.0000	44.80	74.00	29.20	Peak	Vertical
8	2251.0000	40.99	74.00	33.01	Peak	Vertical
9	2494.0000	42.63	74.00	31.37	Peak	Vertical
10	3619.0000	43.39	74.00	30.61	Peak	Vertical
11	4824.0000	46.40	74.00	27.60	Peak	Vertical
12	5482.0000	45.26	74.00	28.74	Peak	Vertical
Tx_Middle						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	1387.0000	39.71	74.00	34.29	Peak	Horizontal
2	2179.0000	41.02	74.00	32.98	Peak	Horizontal
3	2566.0000	42.67	74.00	31.33	Peak	Horizontal
4	2818.0000	41.81	74.00	32.19	Peak	Horizontal
5	3304.0000	41.59	74.00	32.41	Peak	Horizontal
6	3817.0000	41.95	74.00	32.05	Peak	Horizontal
7	1603.0000	46.74	74.00	27.26	Peak	Vertical
8	2512.0000	41.97	74.00	32.03	Peak	Vertical
9	3250.0000	41.91	74.00	32.09	Peak	Vertical
10	3574.0000	43.17	74.00	30.83	Peak	Vertical
11	4874.0000	46.09	74.00	27.91	Peak	Vertical
12	5590.0000	45.70	74.00	28.30	Peak	Vertical
Tx_CH11						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	1261.0000	41.38	74.00	32.62	Peak	Horizontal
2	1603.0000	41.22	74.00	32.78	Peak	Horizontal
3	2557.0000	42.95	74.00	31.05	Peak	Horizontal
4	2800.0000	42.69	74.00	31.31	Peak	Horizontal
5	3295.0000	42.52	74.00	31.48	Peak	Horizontal
6	3691.0000	42.42	74.00	31.58	Peak	Horizontal
7	1594.0000	46.11	74.00	27.89	Peak	Vertical
8	2152.0000	40.86	74.00	33.14	Peak	Vertical
9	2566.0000	41.98	74.00	32.02	Peak	Vertical
10	3196.0000	41.96	74.00	32.04	Peak	Vertical
11	4096.0000	41.96	74.00	32.04	Peak	Vertical
12	4924.0000	47.05	74.00	26.95	Peak	Vertical

802.11n(HT20)						
Tx_Lowest						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	1594.0000	42.06	74.00	31.94	Peak	Horizontal
2	1783.0000	41.29	74.00	32.71	Peak	Horizontal
3	2521.0000	42.41	74.00	31.59	Peak	Horizontal
4	2827.0000	41.60	74.00	32.40	Peak	Horizontal
5	3619.0000	42.63	74.00	31.37	Peak	Horizontal
6	4824.0000	46.76	74.00	27.24	Peak	Horizontal
7	1594.0000	47.43	74.00	26.57	Peak	Vertical
8	2179.0000	40.67	74.00	33.33	Peak	Vertical
9	2521.0000	41.83	74.00	32.17	Peak	Vertical
10	2809.0000	41.88	74.00	32.12	Peak	Vertical
11	3619.0000	43.13	74.00	30.87	Peak	Vertical
12	4824.0000	48.53	74.00	25.47	Peak	Vertical
Tx_Middle						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	1270.0000	39.81	74.00	34.19	Peak	Horizontal
2	1783.0000	40.41	74.00	33.59	Peak	Horizontal
3	2539.0000	43.51	74.00	30.49	Peak	Horizontal
4	2800.0000	41.85	74.00	32.15	Peak	Horizontal
5	3655.0000	41.75	74.00	32.25	Peak	Horizontal
6	4874.0000	46.89	74.00	27.11	Peak	Horizontal
7	1594.0000	46.04	74.00	27.96	Peak	Vertical
8	2530.0000	41.90	74.00	32.10	Peak	Vertical
9	3250.0000	42.95	74.00	31.05	Peak	Vertical
10	4375.0000	43.43	74.00	30.57	Peak	Vertical
11	4874.0000	46.80	74.00	27.20	Peak	Vertical
12	5185.0000	46.48	74.00	27.52	Peak	Vertical
Tx_CH11						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	1855.0000	40.21	74.00	33.79	Peak	Horizontal
2	2566.0000	42.36	74.00	31.64	Peak	Horizontal
3	2809.0000	42.19	74.00	31.81	Peak	Horizontal
4	3394.0000	41.85	74.00	32.15	Peak	Horizontal
5	4123.0000	42.91	74.00	31.09	Peak	Horizontal
6	4798.0000	43.94	74.00	30.06	Peak	Horizontal
7	1594.0000	45.51	74.00	28.49	Peak	Vertical
8	1783.0000	41.22	74.00	32.78	Peak	Vertical
9	2566.0000	43.44	74.00	30.56	Peak	Vertical
10	3385.0000	41.90	74.00	32.10	Peak	Vertical
11	4663.0000	43.48	74.00	30.52	Peak	Vertical
12	4924.0000	46.43	74.00	27.57	Peak	Vertical

802.11n(HT40)						
Tx_ Lowest						
No.	Frequency (MHz)	Result (dBUV)	Limit (dBUV/m)	Margin (dB)	Remark	Ant. Polar.
1	1324.0000	41.41	74.00	32.59	Peak	Horizontal
2	1720.0000	42.83	74.00	31.17	Peak	Horizontal
3	2584.0000	43.28	74.00	30.72	Peak	Horizontal
4	2845.0000	41.84	74.00	32.16	Peak	Horizontal
5	3619.0000	41.74	74.00	32.26	Peak	Horizontal
6	4393.0000	39.84	74.00	34.16	Peak	Horizontal
7	1594.0000	45.16	74.00	28.84	Peak	Vertical
8	1900.0000	43.13	74.00	30.87	Peak	Vertical
9	2548.0000	41.85	74.00	32.15	Peak	Vertical
10	3619.0000	42.27	74.00	31.73	Peak	Vertical
11	4824.0000	48.56	74.00	25.44	Peak	Vertical
12	5239.0000	45.21	74.00	28.79	Peak	Vertical
Tx_ Middle						
No.	Frequency (MHz)	Result (dBUV)	Limit (dBUV/m)	Margin (dB)	Remark	Ant. Polar.
1	1288.0000	40.74	74.00	33.26	Peak	Horizontal
2	1594.0000	40.22	74.00	33.78	Peak	Horizontal
3	2125.0000	39.83	74.00	34.17	Peak	Horizontal
4	2521.0000	41.79	74.00	32.21	Peak	Horizontal
5	3232.0000	43.15	74.00	30.85	Peak	Horizontal
6	4348.0000	42.74	74.00	31.26	Peak	Horizontal
7	1594.0000	46.16	74.00	27.84	Peak	Vertical
8	1900.0000	43.99	74.00	30.01	Peak	Vertical
9	2557.0000	42.72	74.00	31.28	Peak	Vertical
10	3241.0000	41.96	74.00	32.04	Peak	Vertical
11	3583.0000	42.04	74.00	31.96	Peak	Vertical
12	4874.0000	46.09	74.00	27.91	Peak	Vertical
Tx_ CH9						
No.	Frequency (MHz)	Result (dBUV)	Limit (dBUV/m)	Margin (dB)	Remark	Ant. Polar.
1	1288.0000	40.89	74.00	33.11	Peak	Horizontal
2	1603.0000	40.48	74.00	33.52	Peak	Horizontal
3	1900.0000	40.55	74.00	33.45	Peak	Horizontal
4	2521.0000	41.84	74.00	32.16	Peak	Horizontal
5	3340.0000	41.81	74.00	32.19	Peak	Horizontal
6	3826.0000	42.77	74.00	31.23	Peak	Horizontal
7	1594.0000	46.43	74.00	27.57	Peak	Vertical
8	1765.0000	44.47	74.00	29.53	Peak	Vertical
9	2530.0000	42.94	74.00	31.06	Peak	Vertical
10	2836.0000	41.26	74.00	32.74	Peak	Vertical
11	3142.0000	41.59	74.00	32.41	Peak	Vertical
12	4924.0000	48.43	74.00	25.57	Peak	Vertical

Worse Case for Model: MK-QTWIFI-04(B)						
802.11b						
Tx_Lowest						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	1783.0000	42.26	74.00	31.74	Peak	Horizontal
2	2512.0000	41.23	74.00	32.77	Peak	Horizontal
3	3826.0000	41.90	74.00	32.10	Peak	Horizontal
4	4825.0000	48.06	74.00	25.94	Peak	Horizontal
5	6364.0000	44.57	74.00	29.43	Peak	Horizontal
6	7237.0000	48.89	74.00	25.11	Peak	Horizontal
7	2521.0000	40.26	74.00	33.74	Peak	Vertical
8	3907.0000	40.86	74.00	33.14	Peak	Vertical
9	4825.0000	46.51	74.00	27.49	Peak	Vertical
10	6580.0000	45.06	74.00	28.94	Peak	Vertical
11	7237.0000	48.06	74.00	25.94	Peak	Vertical
12	8281.0000	48.37	74.00	25.63	Peak	Vertical
Tx_Middle						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	2080.0000	41.50	74.00	32.50	Peak	Horizontal
2	3070.0000	42.61	74.00	31.39	Peak	Horizontal
3	4402.0000	42.95	74.00	31.05	Peak	Horizontal
4	4870.0000	45.15	74.00	28.85	Peak	Horizontal
5	5545.0000	45.26	74.00	28.74	Peak	Horizontal
6	7309.0000	49.48	74.00	24.52	Peak	Horizontal
7	2521.0000	42.77	74.00	31.23	Peak	Vertical
8	3673.0000	42.56	74.00	31.44	Peak	Vertical
9	4870.0000	43.98	74.00	30.02	Peak	Vertical
10	5842.0000	47.21	74.00	26.79	Peak	Vertical
11	7309.0000	45.14	74.00	28.86	Peak	Vertical
12	7813.0000	50.09	74.00	23.91	Peak	Vertical
Tx_CH11						
No.	Frequency (MHz)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Polar.
1	2521.0000	41.85	74.00	32.15	Peak	Horizontal
2	3754.0000	43.05	74.00	30.95	Peak	Horizontal
3	4924.0000	42.79	74.00	31.21	Peak	Horizontal
4	6337.0000	43.17	74.00	30.83	Peak	Horizontal
5	7381.0000	46.19	74.00	27.81	Peak	Horizontal
6	7615.0000	46.24	74.00	27.76	Peak	Horizontal
7	2530.0000	43.90	74.00	30.10	Peak	Vertical
8	4150.0000	43.76	74.00	30.24	Peak	Vertical
9	4924.0000	43.58	74.00	30.42	Peak	Vertical
10	5509.0000	47.03	74.00	26.97	Peak	Vertical
11	6175.0000	47.23	74.00	26.77	Peak	Vertical
12	7381.0000	44.57	74.00	29.43	Peak	Vertical

Note:

- 1) Through Pre-scan transmitting mode with all kind of modulation and data rate, find the 1Mbps of rate is the worst case of 802.11b; 54Mbps of rate is the worst case of 802.11g; MCS 7 of rate is the worst case of 802.11n(HT20), MCS 7 of rate is the worst case of 802.11n(HT40), and then only the worst case is recorded in the report.
- 2) Scan from 9 KHz to 25 GHz, the disturbance above 10 GHz and below 30 MHz was very low, the amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3) Since peak data above 1 GHz are lower the average limit, so the average data are pass, no need for testing.



5.7 Band Edge Measurements (Radiated)

Test Requirement:

FCC 47 CFR Part 15 Subpart C Section 15.205/15.209

Test Method:

KDB 558074 D01 v03r05 Section 12.1

Limit:

Frequency	Limit (dBμV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
	74.0	Peak Value

Test Procedure:

Radiated band edge measurements at 2390MHz and 2483MHz were made with the unit transmitting in the low end of the channel range and the high end closest to the restricted bands respectively. The emissions were made on the 966 Semi-Chamber. Use (resolution bandwidth (RBW) = 1 MHz, video bandwidth (VBW) = 3 MHz for peak levels and RBW = 1 MHz and VBW = 10 Hz or 1/T for average levels).

1. Use radiated spurious emission test procedure described in 5.6 clause. The transmitter output (antenna port) was connected to the test receiver.
2. Set the PK and AV limit line.
3. Record the fundamental emission and emissions out of the band-edge.
4. Determine band-edge compliance as required.

Test Setup:

Refer to section 4.1.2 for details.

Instruments Used:

Refer to section 3 for details

Test Mode:

Transmitter mode

Test Results:

Pass

Test Data:

Model: MK-QTWIFI-04(A)

802.11b

Frequency (MHz)		2412	Ant. Polar.		Horizontal																																																																																																																																																																																																																								
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