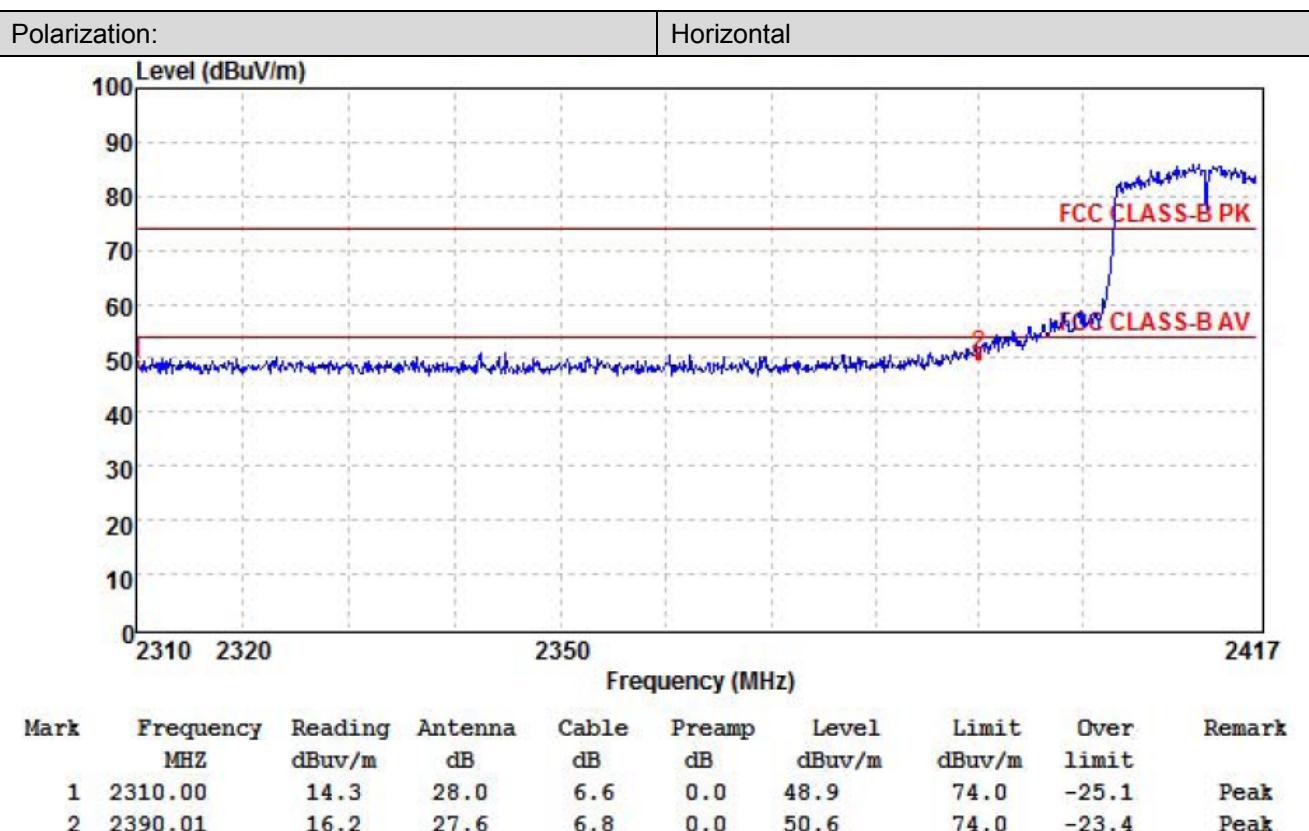
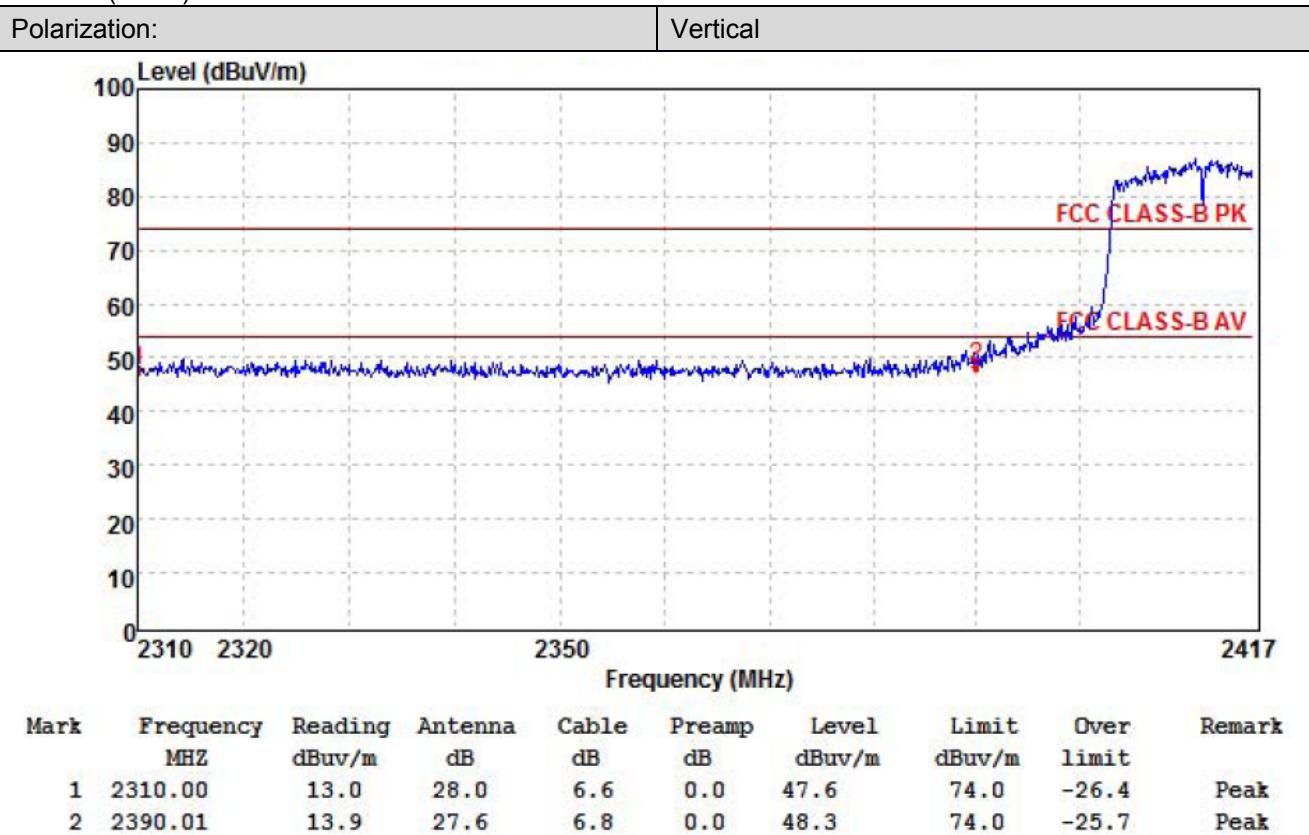
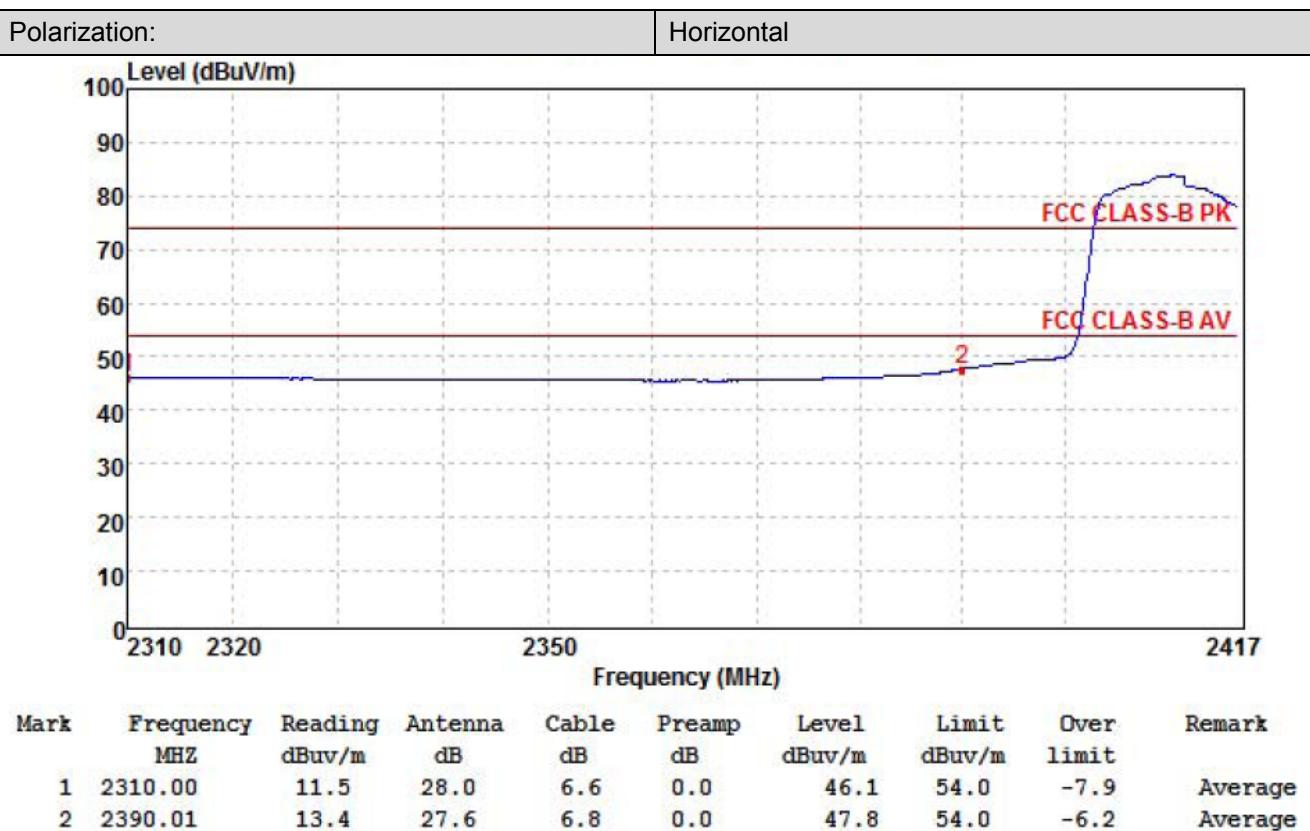
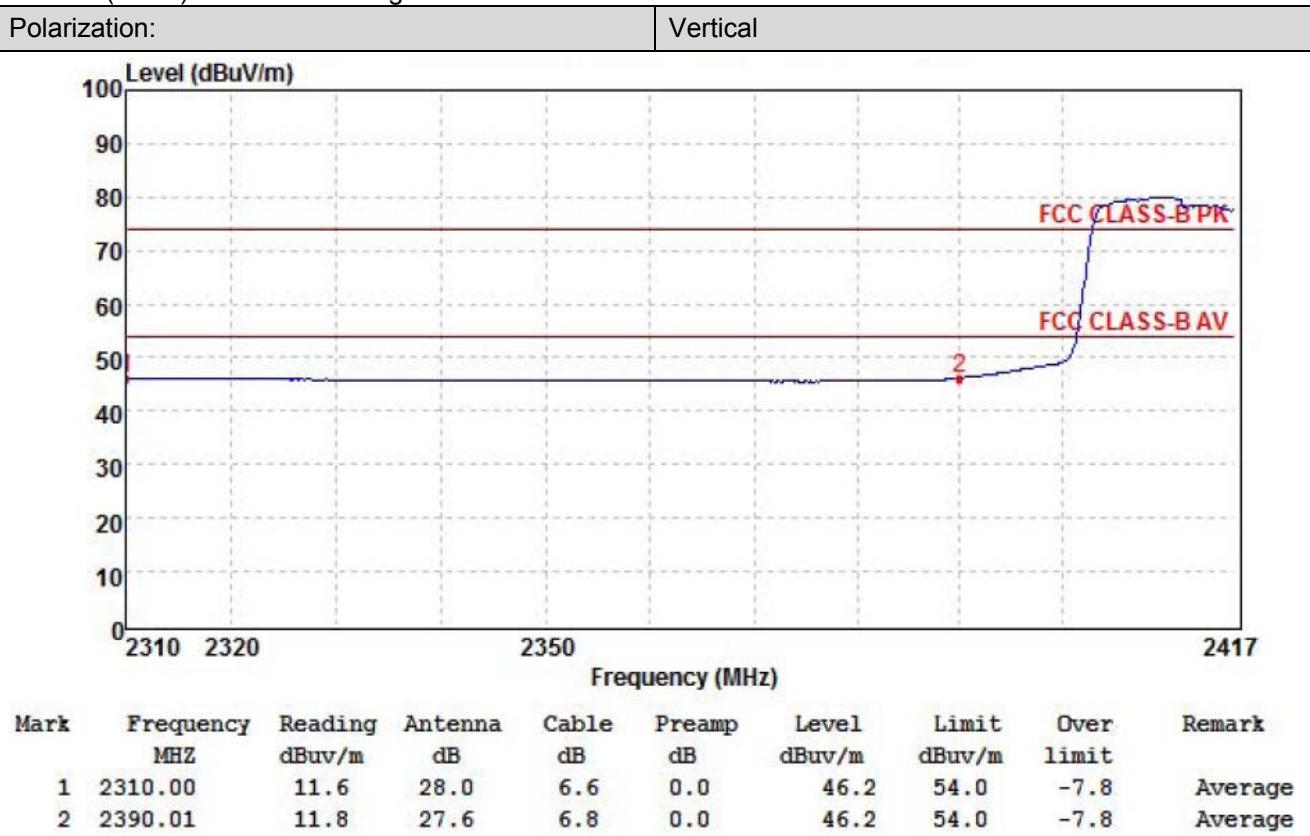


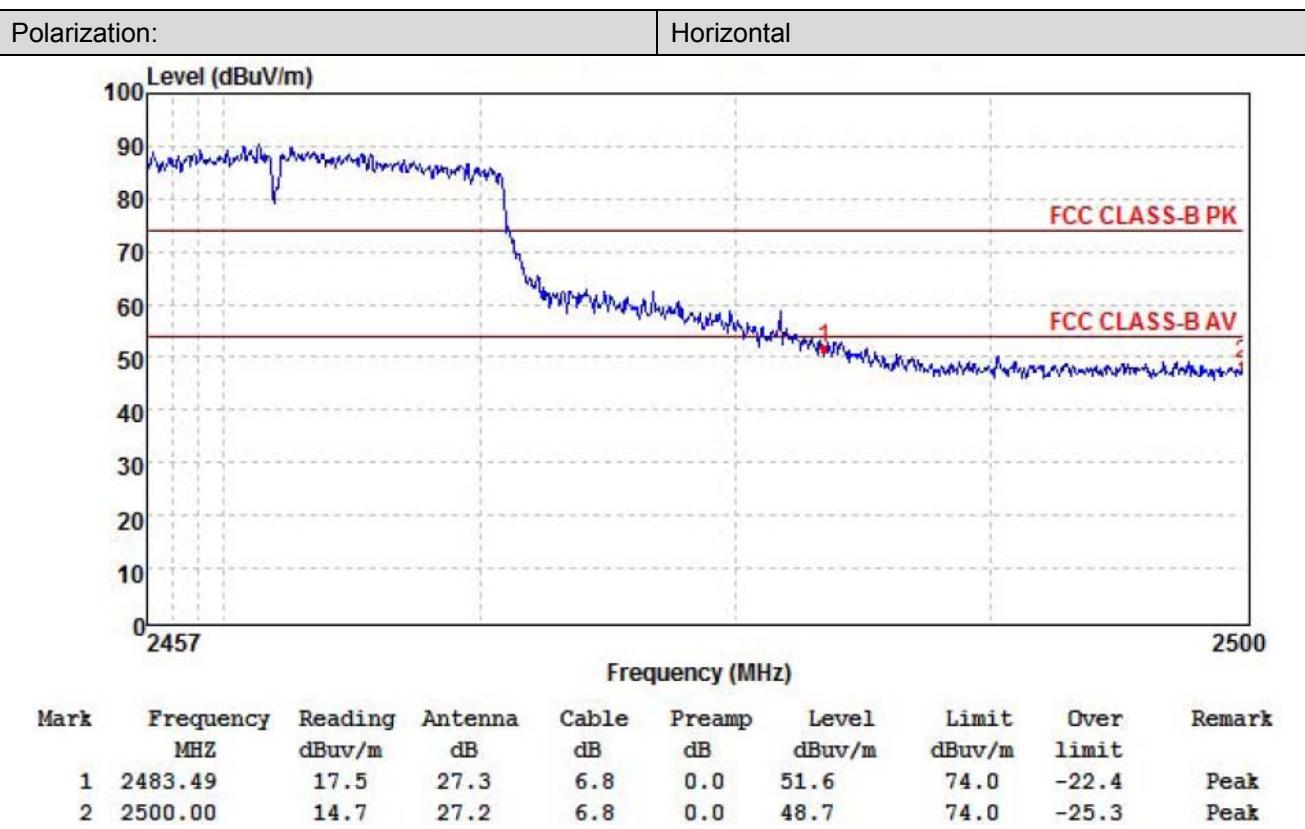
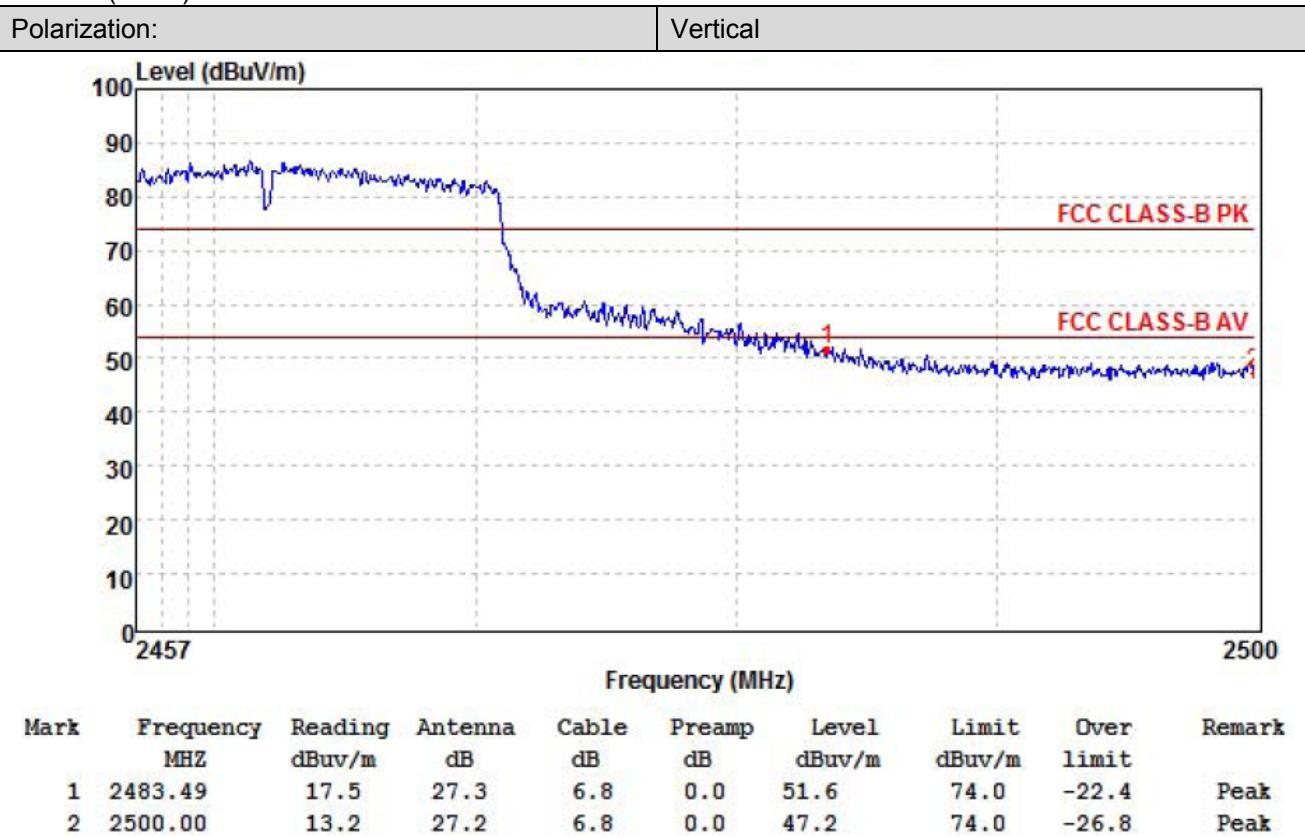
802.11n(HT20)-2412MHz Peak:



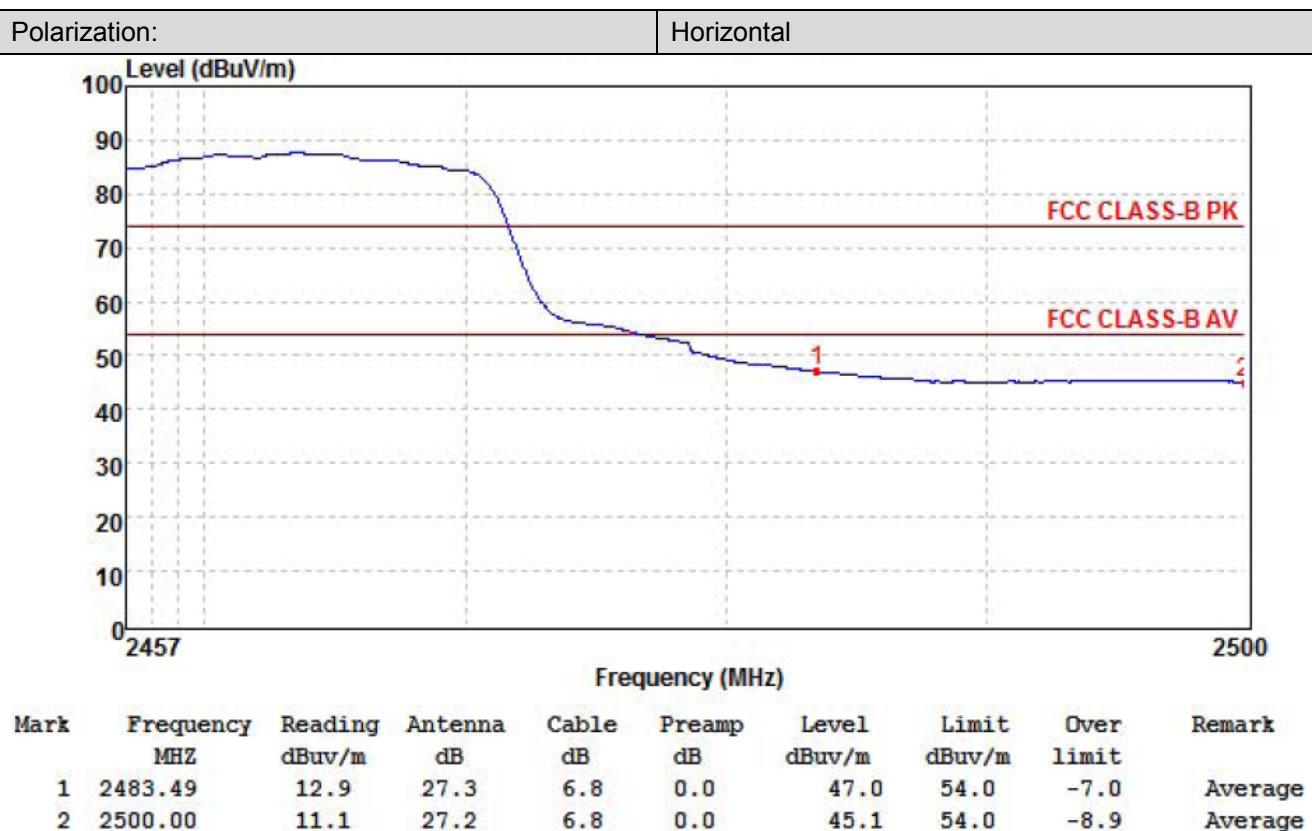
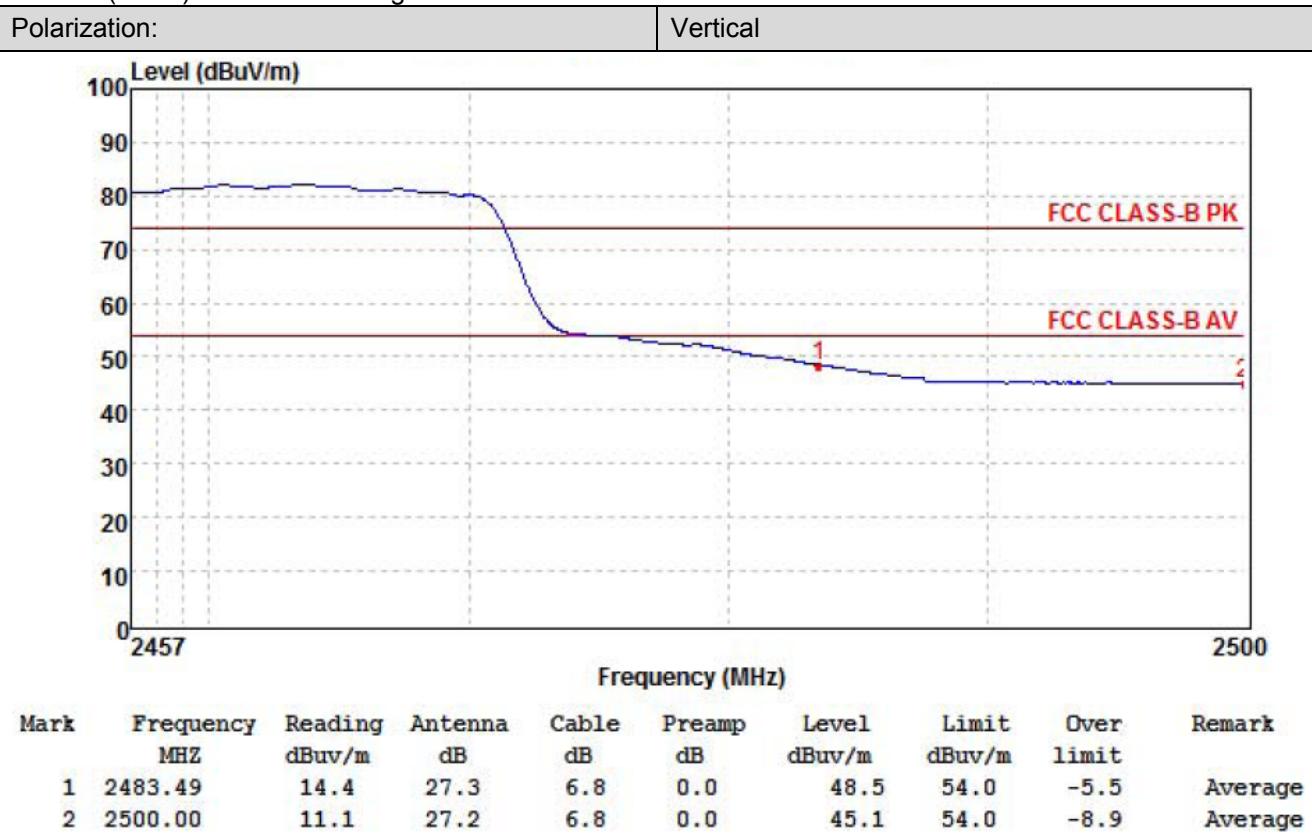
802.11n(HT20)-2412MHz Average:



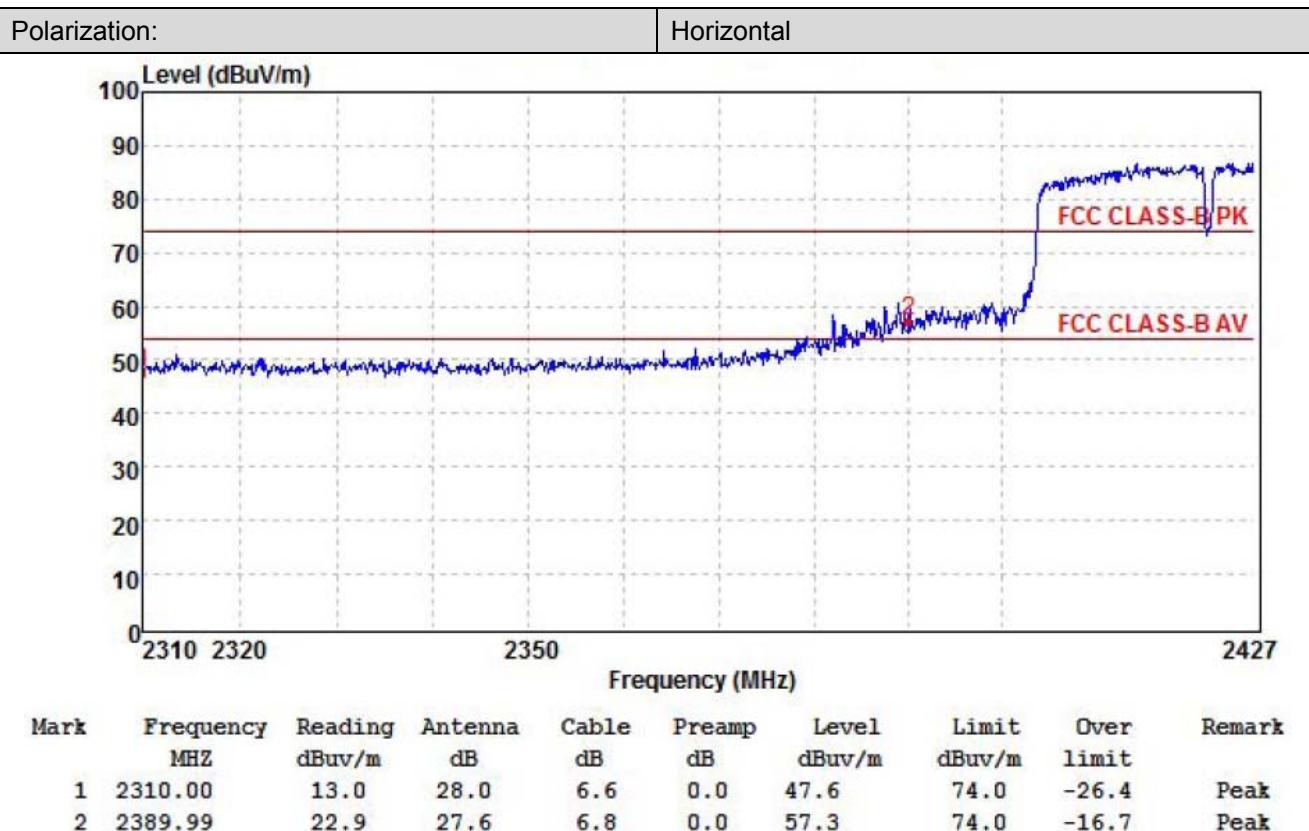
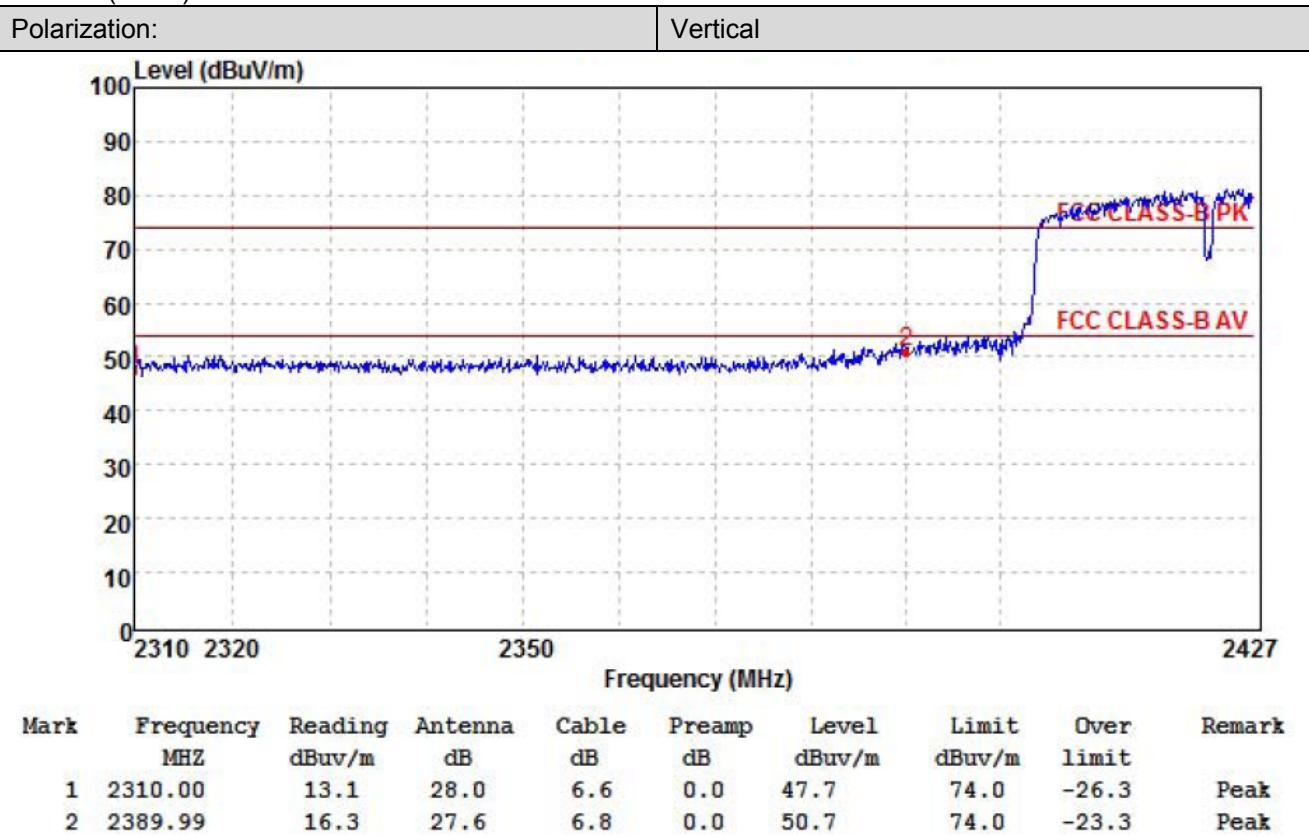
802.11n(HT20)-2462MHz Peak:



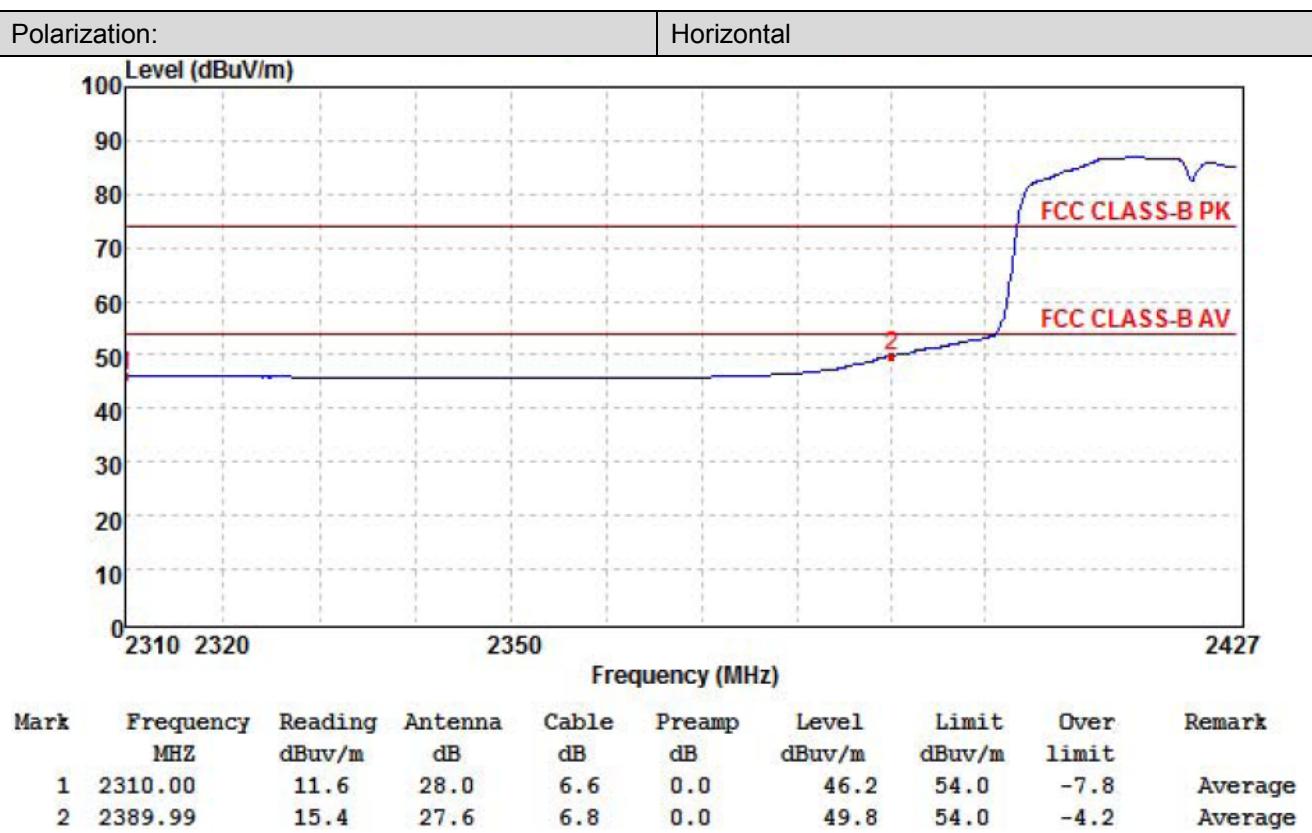
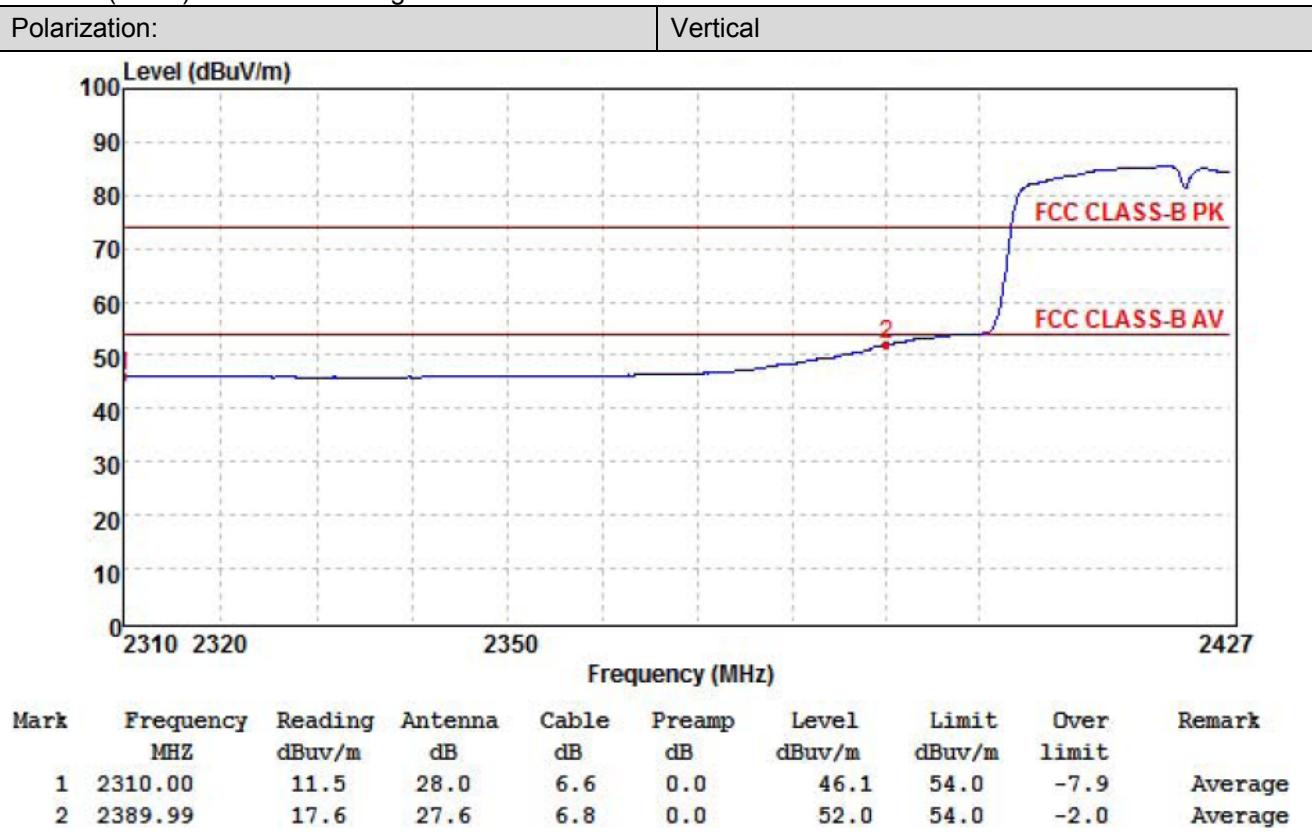
802.11n(HT20)-2462MHz Average:



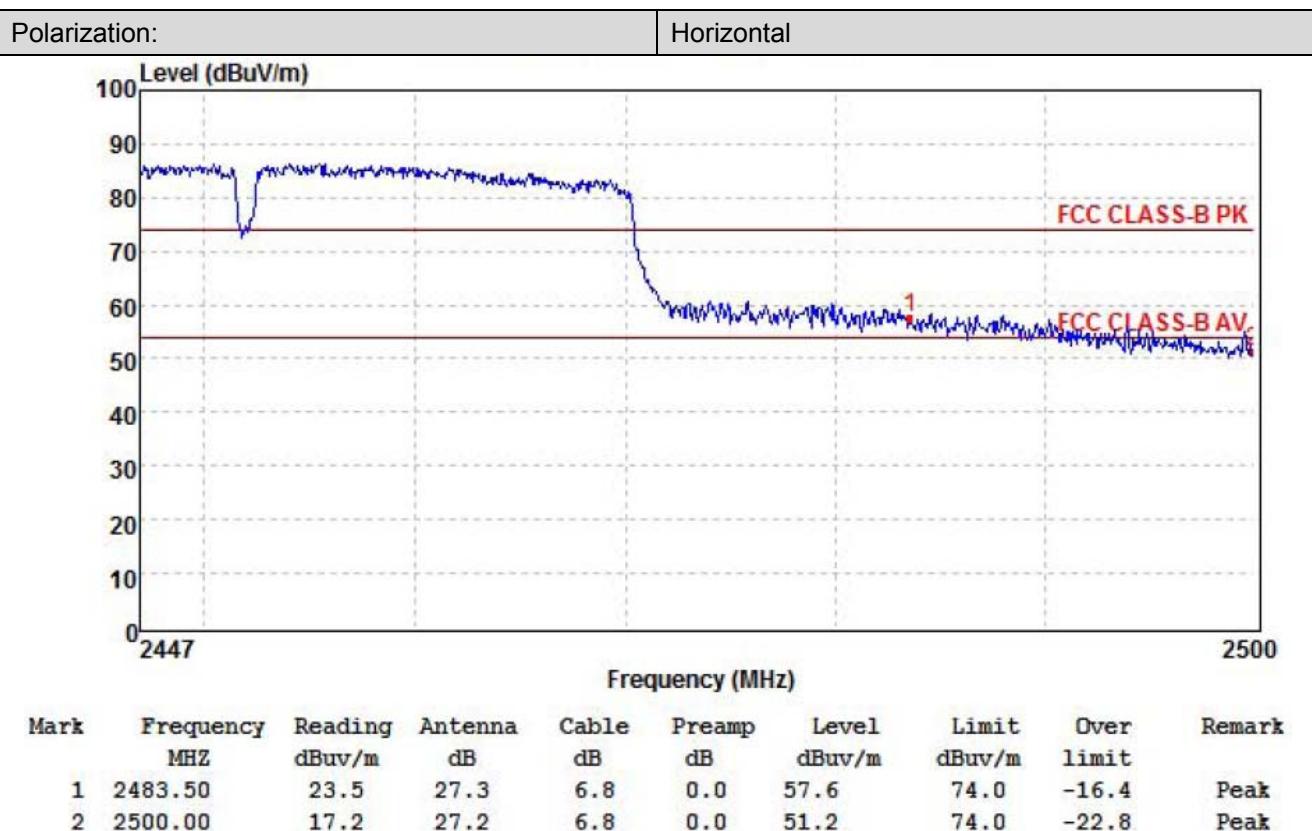
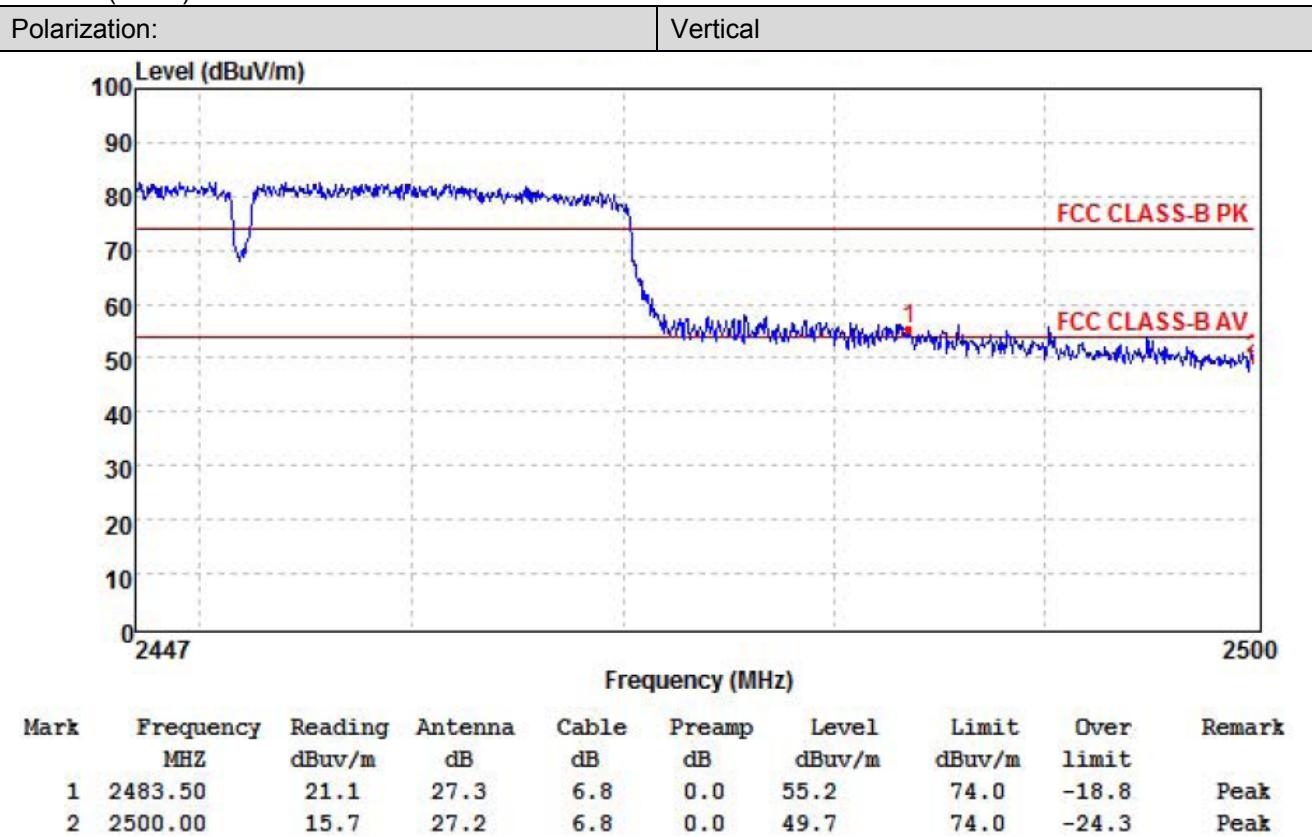
802.11n(HT40)-2422MHz Peak:



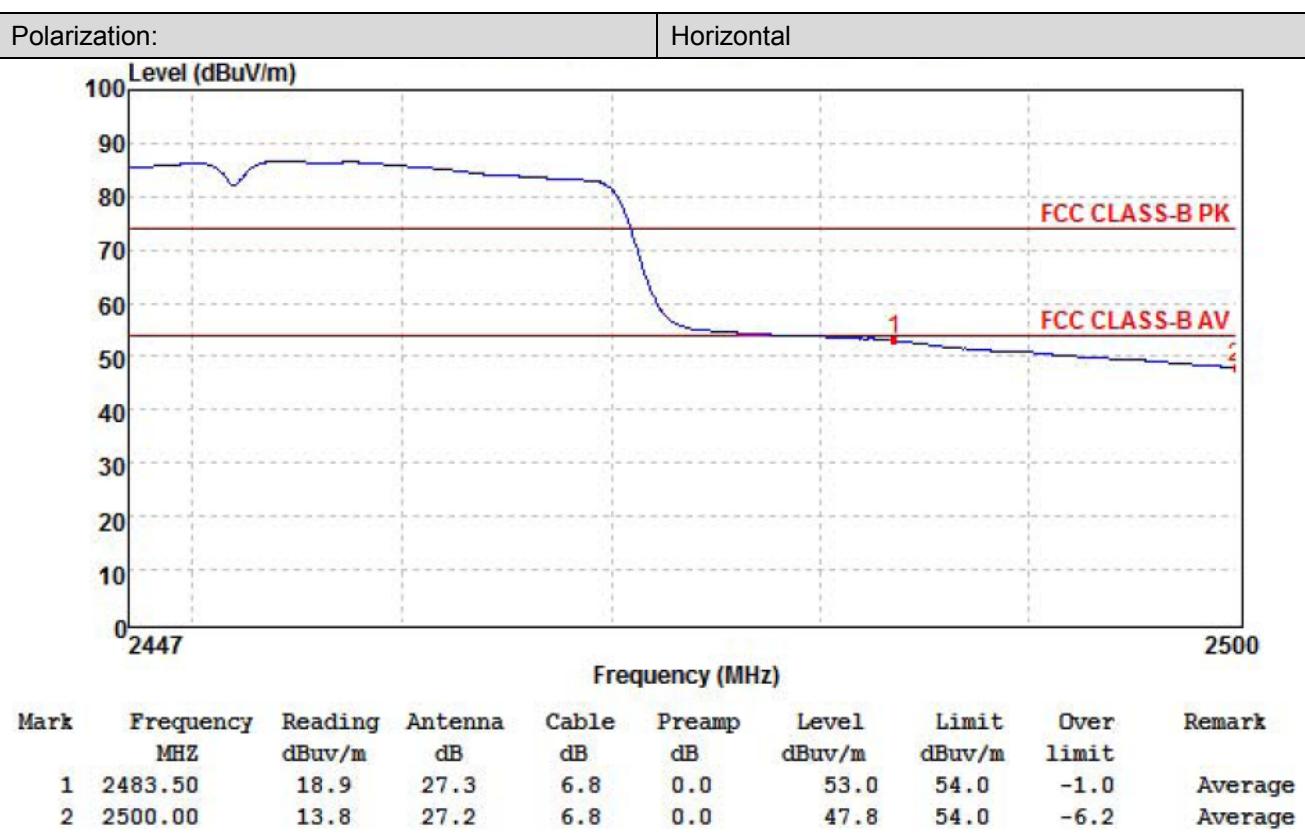
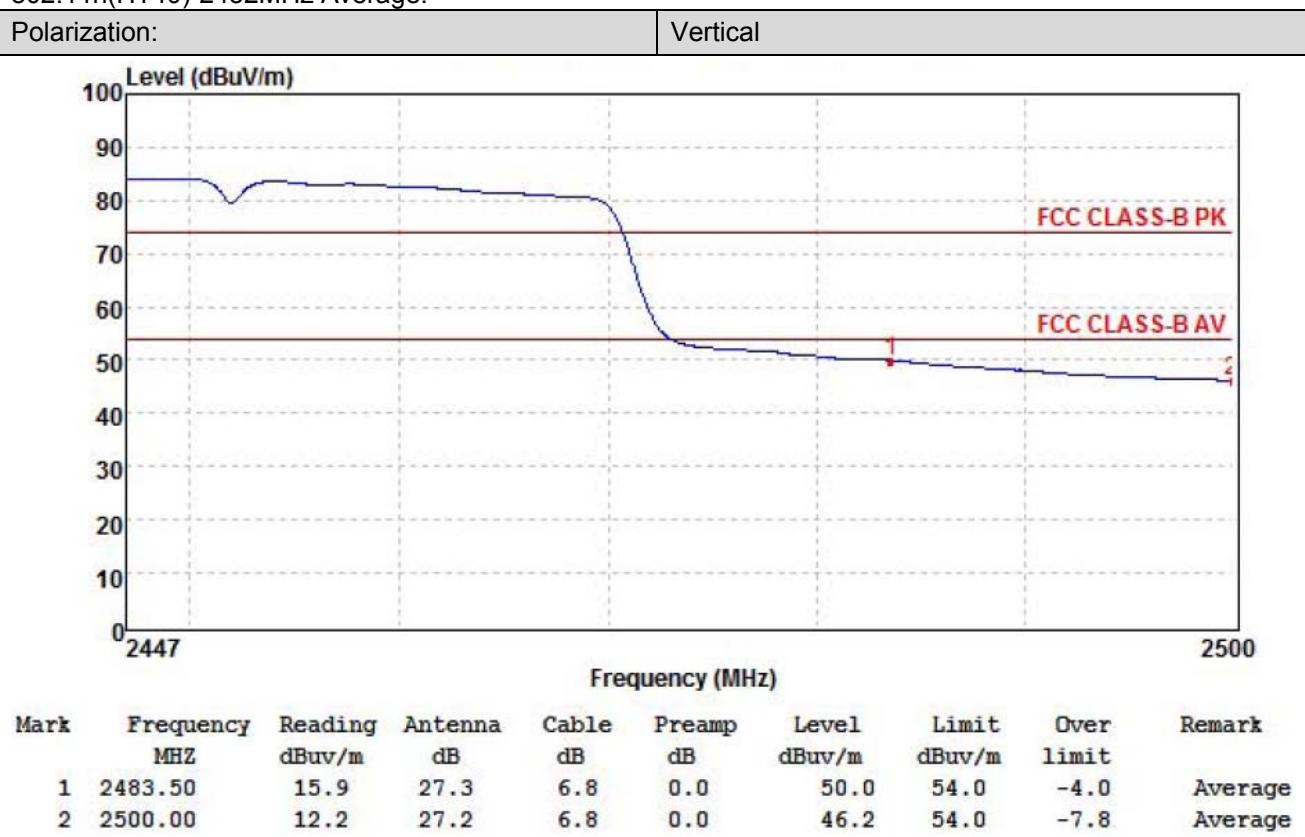
802.11n(HT40)-2422MHz Average:



802.11n(HT40)-2452MHz Peak:



802.11n(HT40)-2452MHz Average:

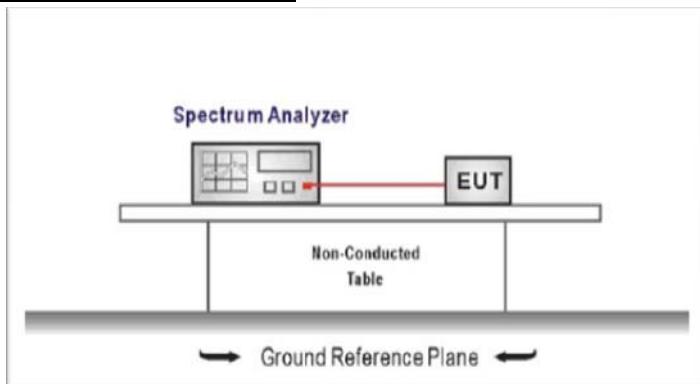


7.7. Band edge and Spurious Emissions (conducted)

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d): 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 CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input.
2. Establish a reference level by using the following procedure
Center frequency=DTS channel center frequency
The span = 1.5 times the DTS bandwidth.
RBW = 100 kHz, VBW \geq 3 x RBW
Detector = peak, Sweep time = auto couple, Trace mode = max hold
Allow trace to fully stabilize
Use the peak marker function to determine the maximum PSD level

Note: the channel found to contain the maximum PSD level can be used to establish the reference level.
3. Emission level measurement
Set the center frequency and span to encompass frequency range to be measured
RBW = 100 kHz, VBW \geq 3 x RBW
Detector = peak, Sweep time = auto couple, Trace mode = max hold
Allow trace to fully stabilize
Use the peak marker function to determine the maximum amplitude level.
4. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
5. Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

TEST MODE:

Please refer to the clause 3.3

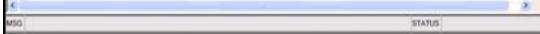
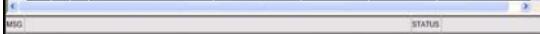
TEST RESULTS

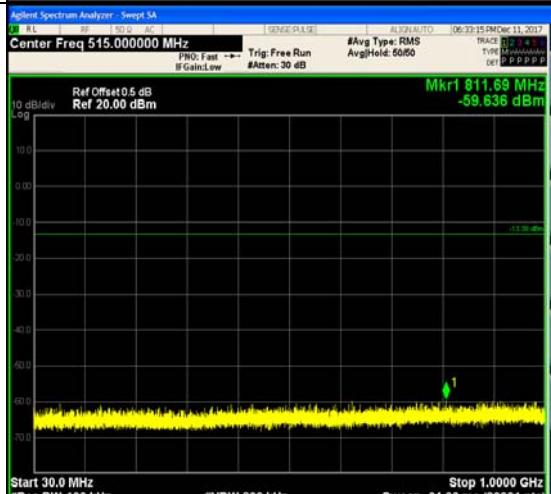
Passed Not Applicable

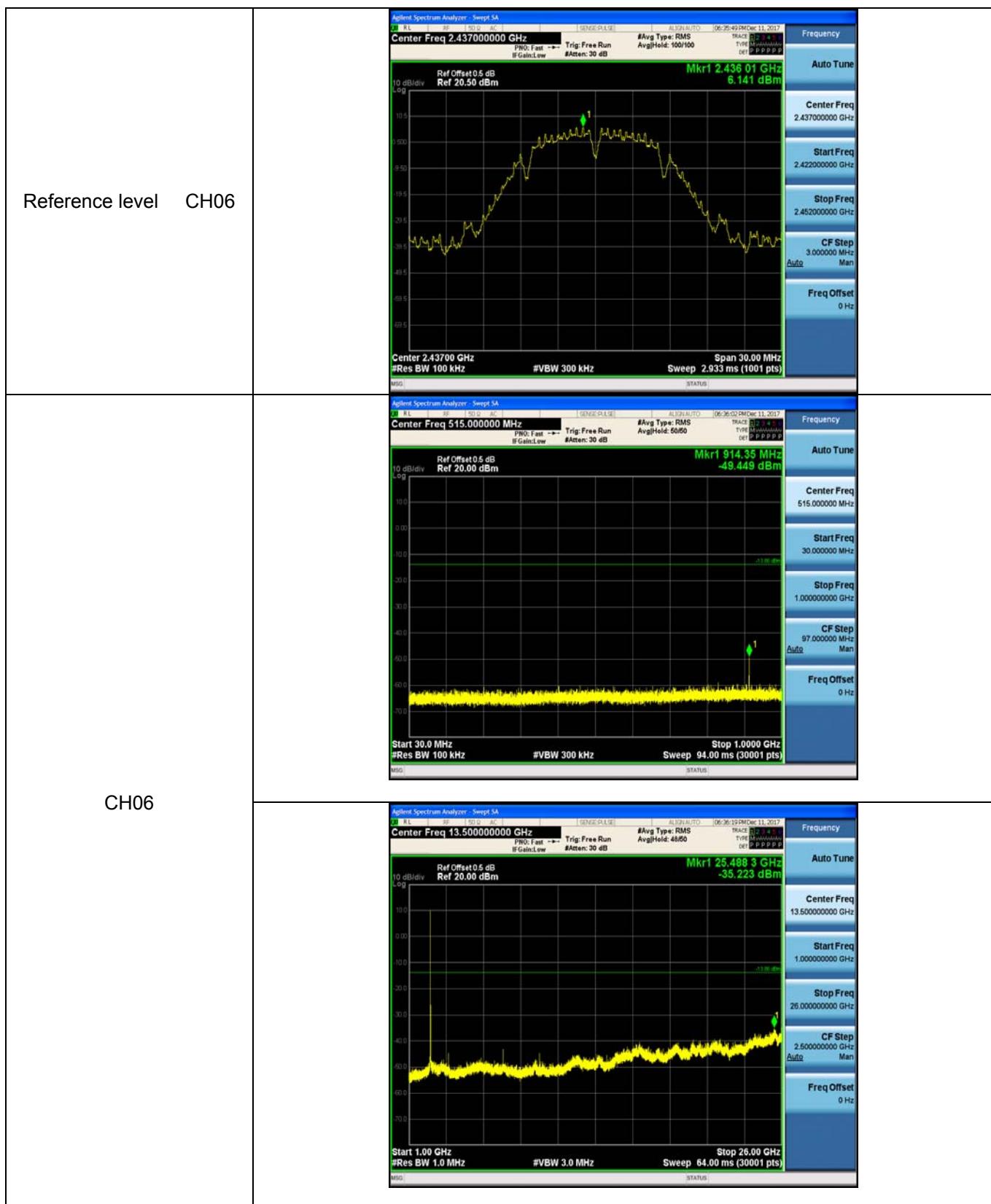
Test Item:	Bandedge	Type:	802.11 b
CH01			<p>Frequency: Auto Tune</p> <p>Center Freq: 2.366000000 GHz</p> <p>Start Freq: 2.310000000 GHz</p> <p>Stop Freq: 2.422000000 GHz</p> <p>CF Step: 11.200000 MHz</p> <p>Freq Offset: 0 Hz</p>
CH11			<p>Frequency: Auto Tune</p> <p>Center Freq: 2.476000000 GHz</p> <p>Start Freq: 2.452000000 GHz</p> <p>Stop Freq: 2.500000000 GHz</p> <p>CF Step: 4.800000 MHz</p> <p>Freq Offset: 0 Hz</p>

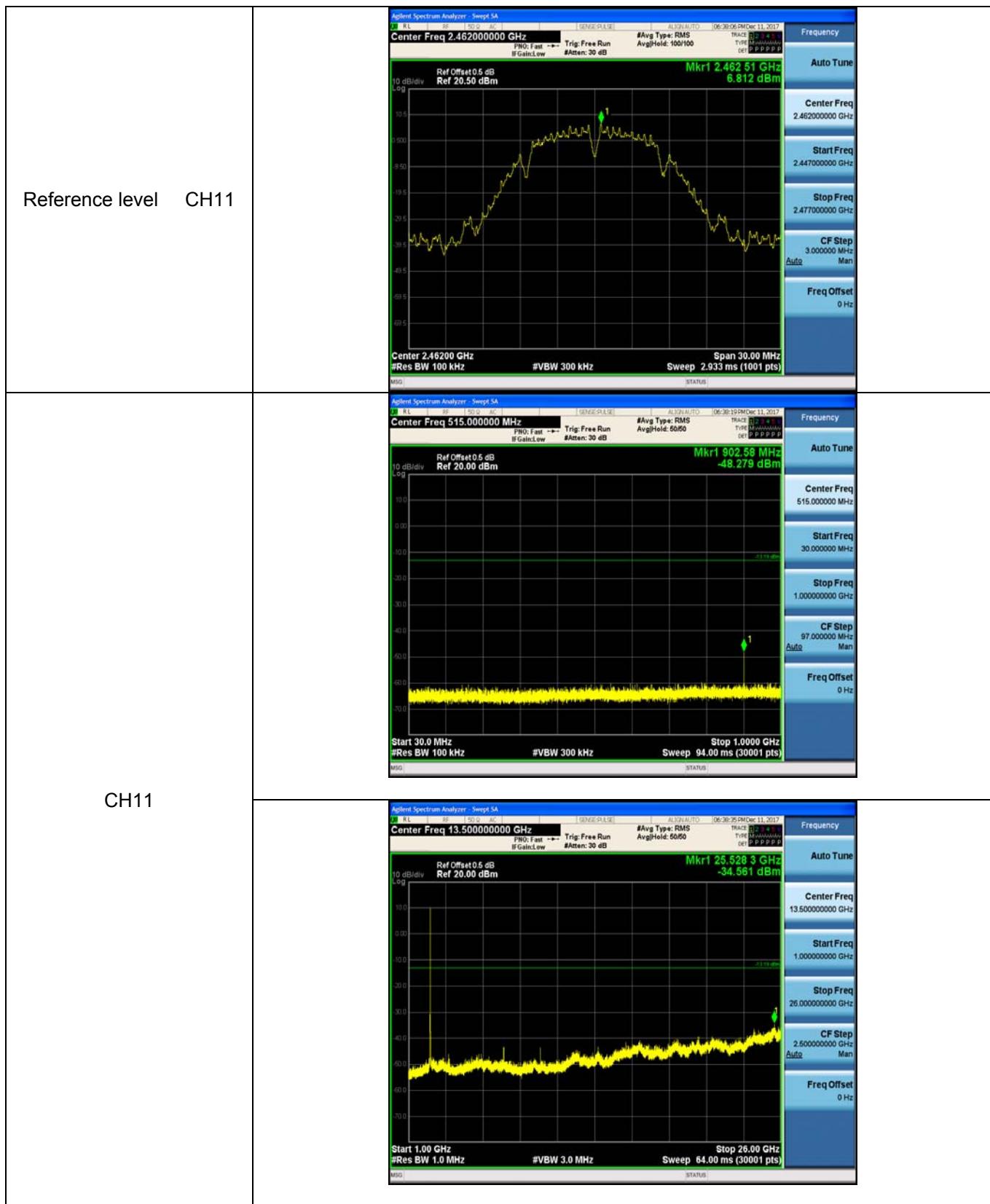
Test Item:	Bandedge	Type:	802.11 g
CH01			
CH11			

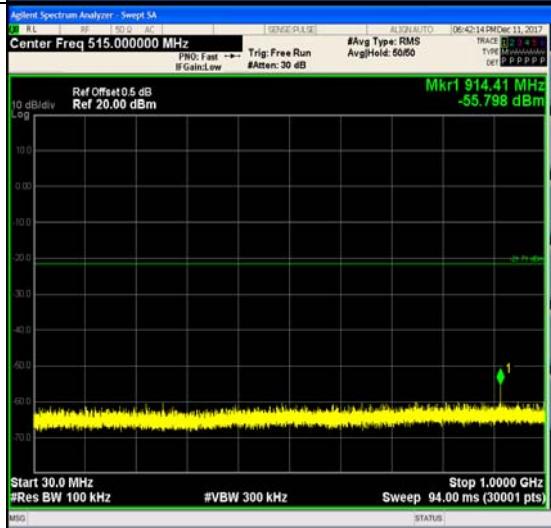
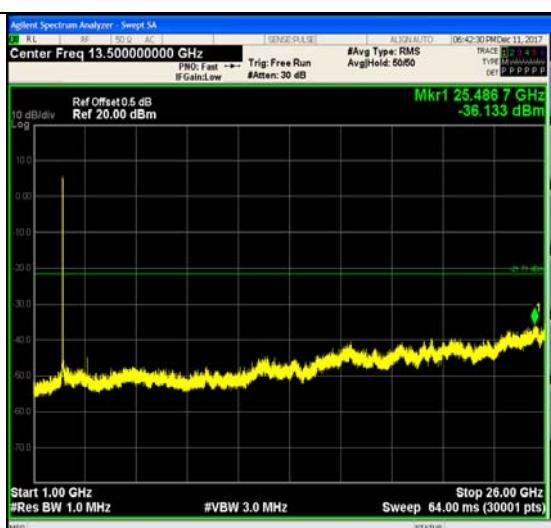
Test Item:	Bandedge	Type:	802.11 n(HT20)
CH01			<p>Frequency: Auto Tune</p> <p>Center Freq: 2.366000000 GHz</p> <p>Start Freq: 2.310000000 GHz</p> <p>Stop Freq: 2.422000000 GHz</p> <p>CF Step: 11.200000 MHz</p> <p>Freq Offset: 0 Hz</p>
CH11			<p>Frequency: Auto Tune</p> <p>Center Freq: 2.476000000 GHz</p> <p>Start Freq: 2.452000000 GHz</p> <p>Stop Freq: 2.500000000 GHz</p> <p>CF Step: 4.800000 MHz</p> <p>Freq Offset: 0 Hz</p>

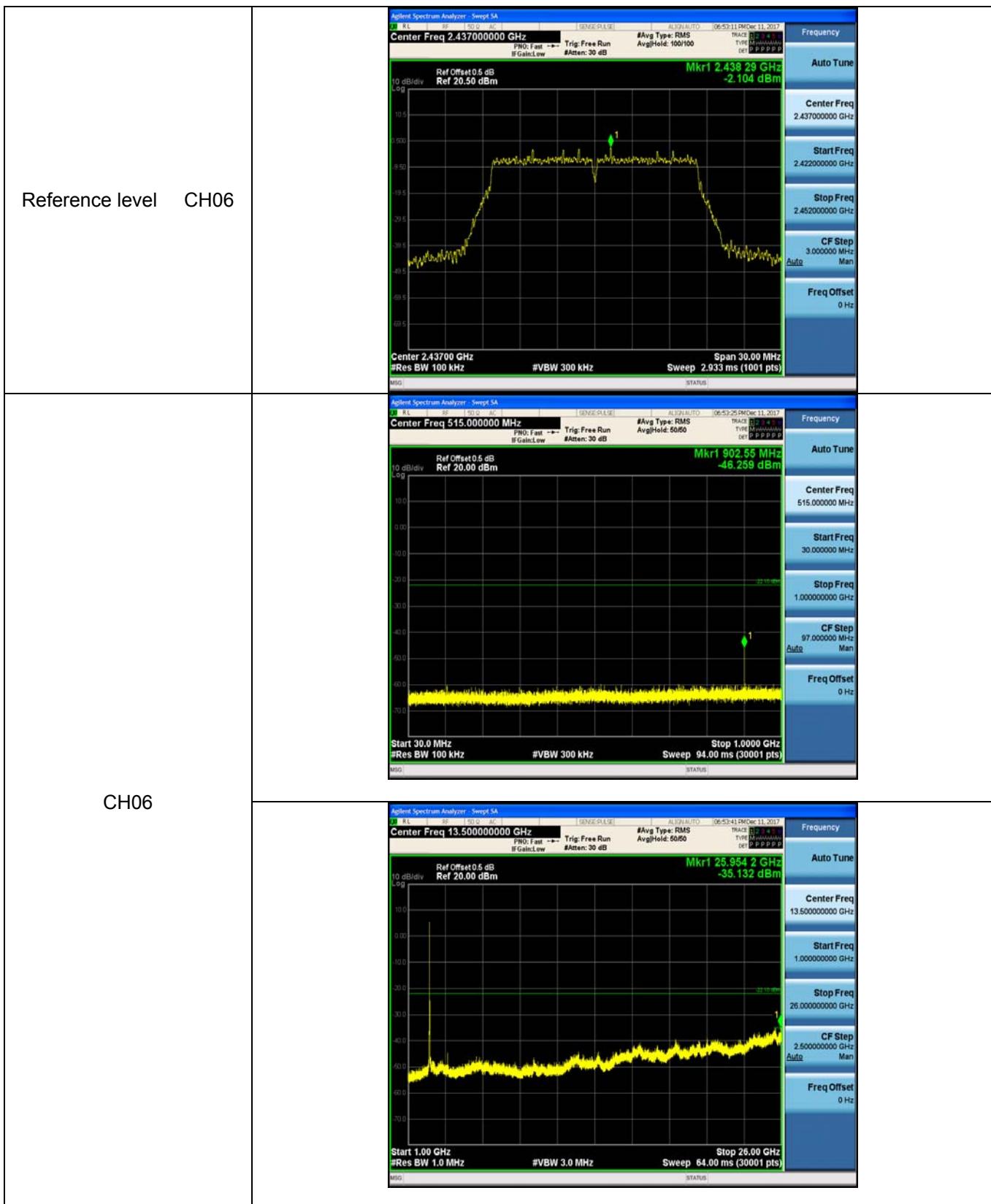
Test Item:	Bandedge	Type:	802.11 n(HT40)
CH03			<p>Frequency: Auto Tune</p> <p>Center Freq: 2.376000000 GHz</p> <p>Start Freq: 2.310000000 GHz</p> <p>Stop Freq: 2.442000000 GHz</p> <p>CF Step: 13.20000 MHz</p> <p>Freq Offset: 0 Hz</p>
CH09			<p>Frequency: Auto Tune</p> <p>Center Freq: 2.466000000 GHz</p> <p>Start Freq: 2.432000000 GHz</p> <p>Stop Freq: 2.500000000 GHz</p> <p>CF Step: 6.80000 MHz</p> <p>Freq Offset: 0 Hz</p>

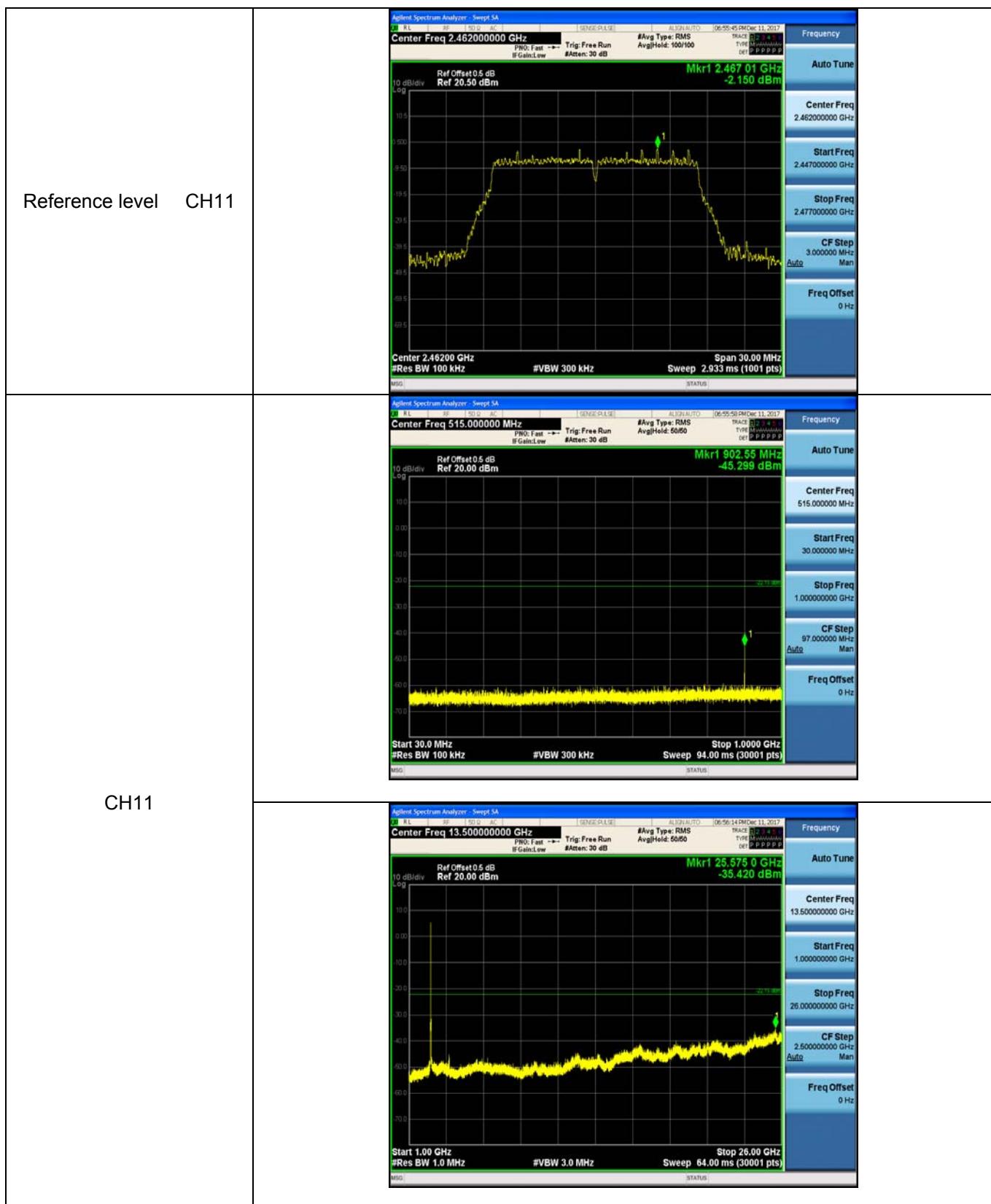
Test Item:	SE	Type:	802.11 b
Reference level	CH01		<p>Frequency: Auto Tune</p> <p>Center Freq: 2.412000000 GHz</p> <p>Start Freq: 2.397000000 GHz</p> <p>Stop Freq: 2.427000000 GHz</p> <p>CF Step: 3.000000 MHz</p> <p>Freq Offset: 0 Hz</p>
CH01			<p>Frequency: Auto Tune</p> <p>Center Freq: 515.0000000 MHz</p> <p>Start Freq: 30.0000000 MHz</p> <p>Stop Freq: 1.000000000 GHz</p> <p>CF Step: 97.0000000 MHz</p> <p>Freq Offset: 0 Hz</p>
			<p>Frequency: Auto Tune</p> <p>Center Freq: 13.500000000 GHz</p> <p>Start Freq: 1.000000000 GHz</p> <p>Stop Freq: 26.000000000 GHz</p> <p>CF Step: 2.500000000 GHz</p> <p>Freq Offset: 0 Hz</p>

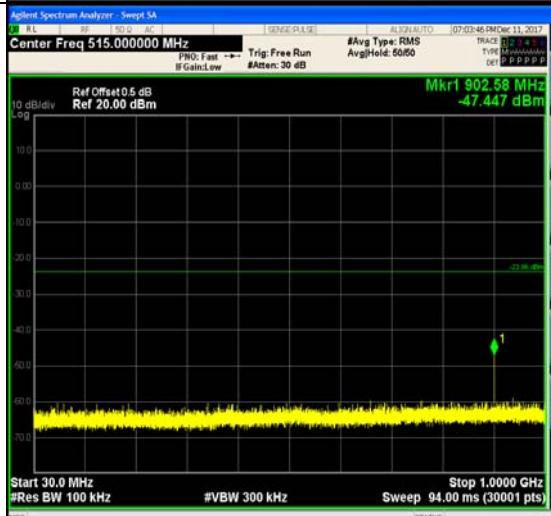


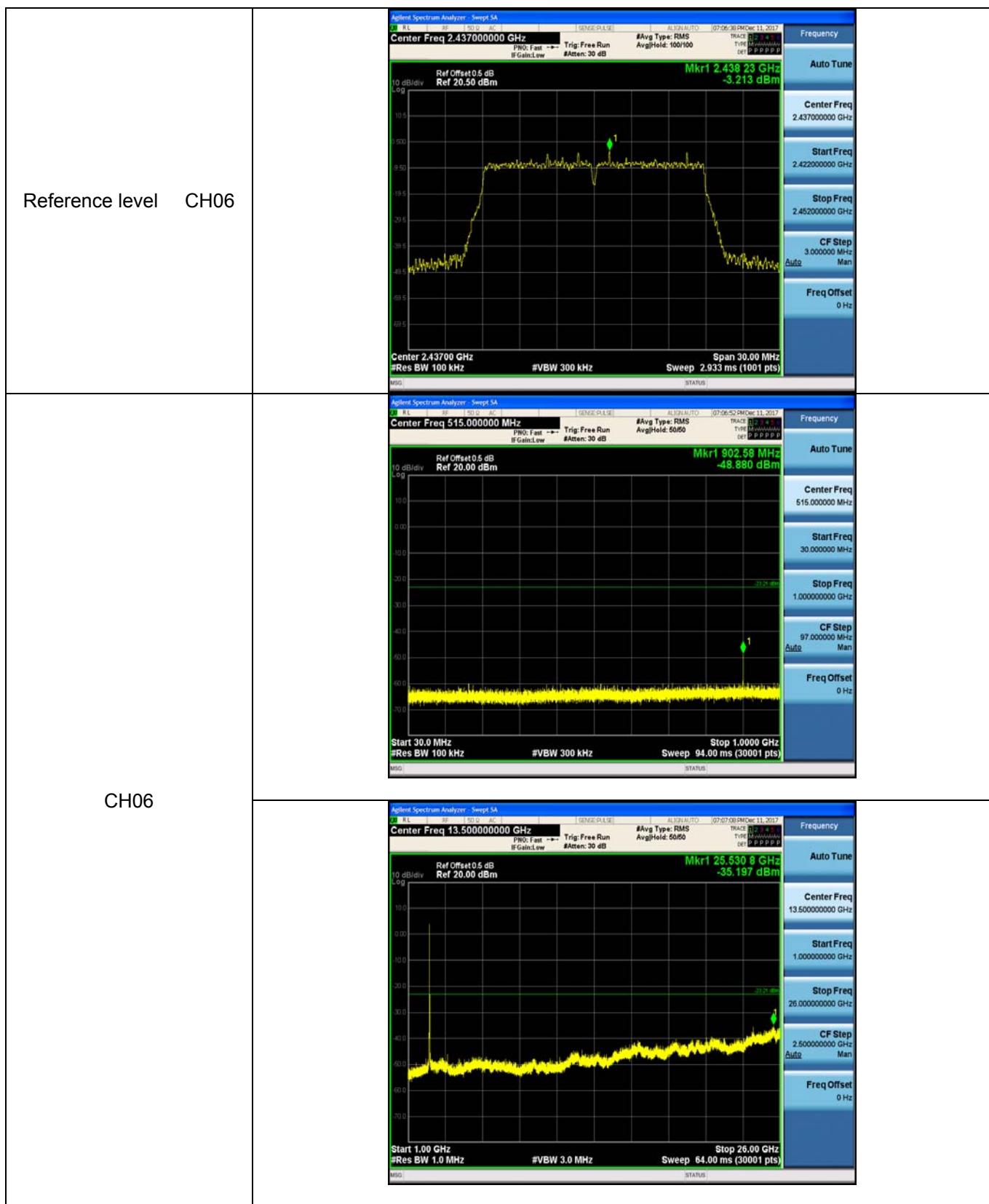


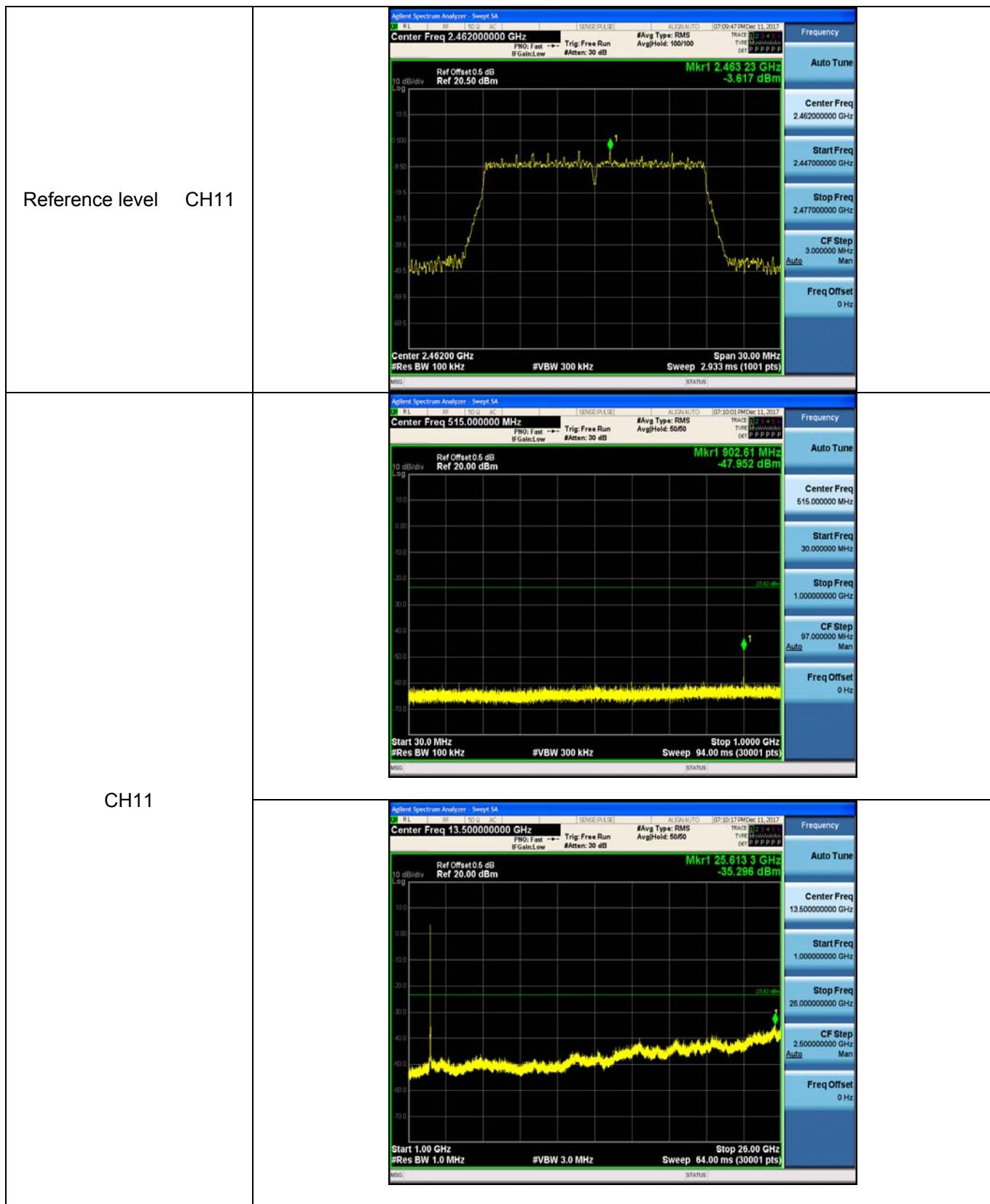
Test Item:	SE	Type:	802.11 g
Reference level	CH01	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.412000000 GHz</p> <p>Ref Offset 0.5 dB</p> <p>Ref 20.50 dBm</p> <p>Span 30.00 MHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Sweep 2.933 ms (1001 pts)</p> <p>Mkr1 2.413 29 GHz -1.705 dBm</p>	Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.397000000 GHz Stop Freq 2.427000000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz
	CH01	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.0000000 MHz</p> <p>Ref Offset 0.5 dB</p> <p>Ref 20.00 dBm</p> <p>Span 30.00 MHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Sweep 94.00 ms (30001 pts)</p> <p>Mkr1 914.41 MHz -55.798 dBm</p>	Frequency Auto Tune Center Freq 515.0000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Freq Offset 0 Hz
	CH01	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 13.500000000 GHz</p> <p>Ref Offset 0.5 dB</p> <p>Ref 20.00 dBm</p> <p>Span 26.00 GHz</p> <p>#Res BW 1.0 MHz</p> <p>#VBW 3.0 MHz</p> <p>Sweep 64.00 ms (30001 pts)</p> <p>Mkr1 25.4867 GHz -36.133 dBm</p>	Frequency Auto Tune Center Freq 13.500000000 GHz Start Freq 1.000000000 GHz Stop Freq 26.000000000 GHz CF Step 2.500000000 GHz Auto Freq Offset 0 Hz





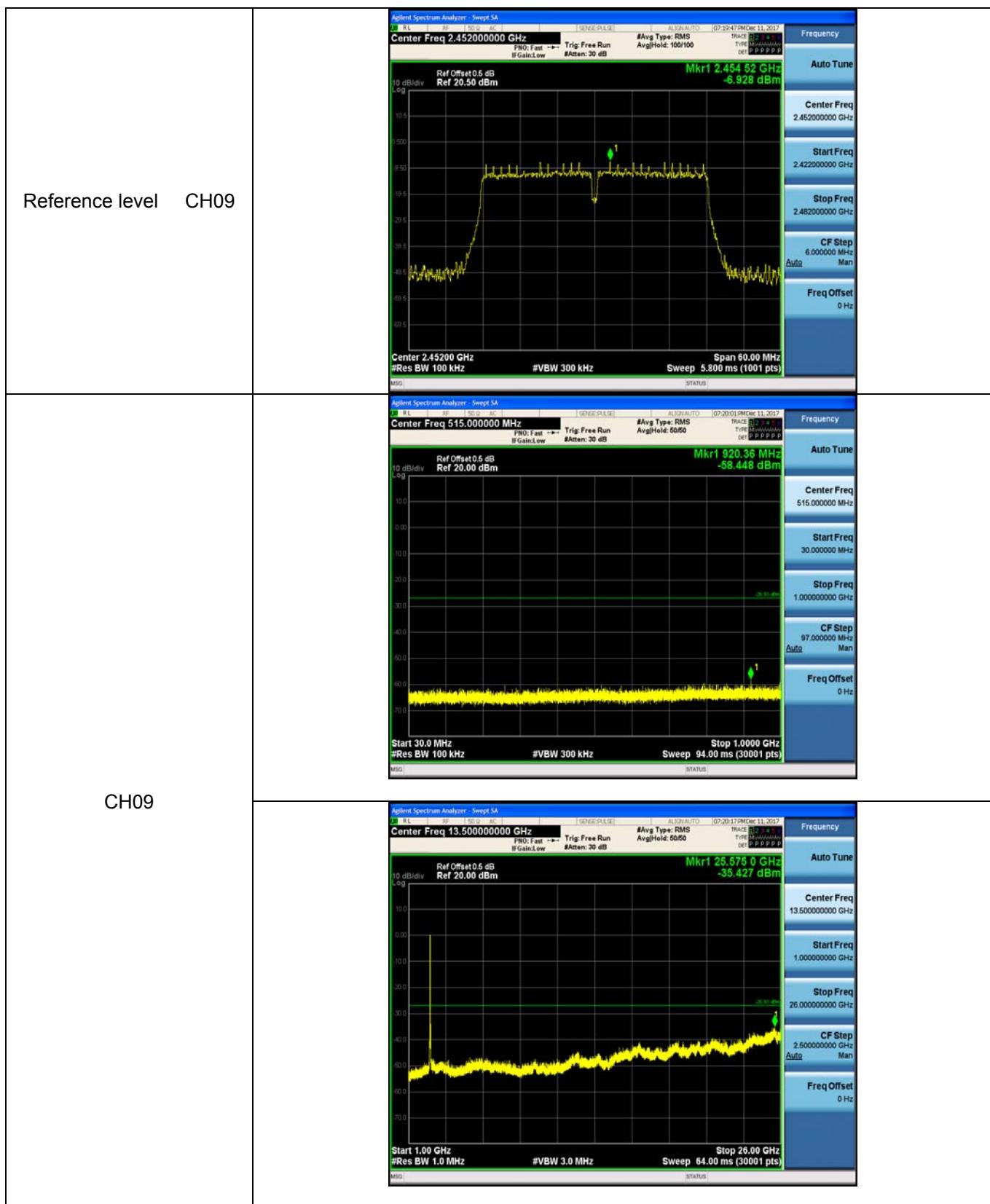
Test Item:	SE	Type:	802.11 n(HT20)
Reference level	CH01		<p>Frequency: Auto Tune</p> <p>Center Freq: 2.41200000 GHz</p> <p>Start Freq: 2.39700000 GHz</p> <p>Stop Freq: 2.42700000 GHz</p> <p>CF Step: 3.000000 MHz</p> <p>Freq Offset: 0 Hz</p>
CH01			<p>Frequency: Auto Tune</p> <p>Center Freq: 515.000000 MHz</p> <p>Start Freq: 30.000000 MHz</p> <p>Stop Freq: 1.00000000 GHz</p> <p>CF Step: 97.000000 MHz</p> <p>Freq Offset: 0 Hz</p>
			<p>Frequency: Auto Tune</p> <p>Center Freq: 13.50000000 GHz</p> <p>Start Freq: 1.00000000 GHz</p> <p>Stop Freq: 26.00000000 GHz</p> <p>CF Step: 2.50000000 GHz</p> <p>Freq Offset: 0 Hz</p>





Test Item:	SE	Type:	802.11 n(HT40)
Reference level	CH03		
	CH03		
	CH03		





7.8. Spurious Emissions (radiated)

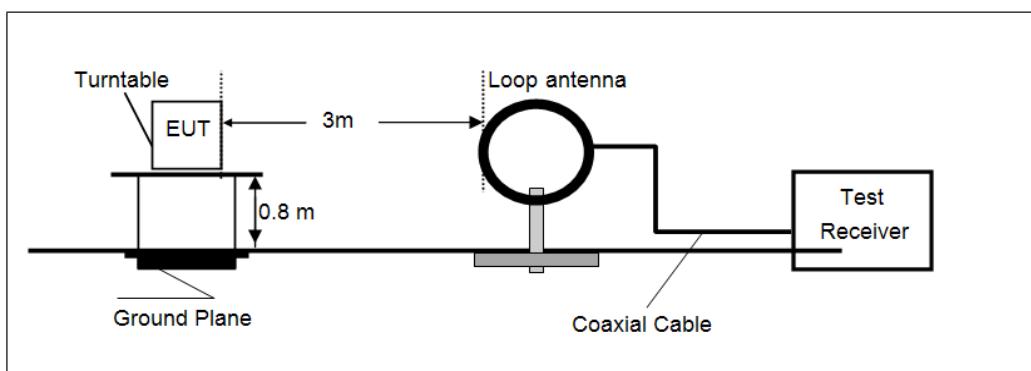
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

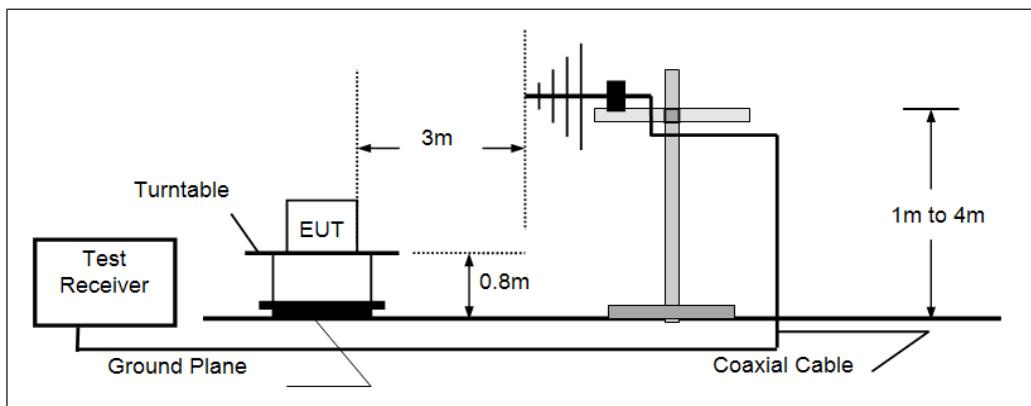
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

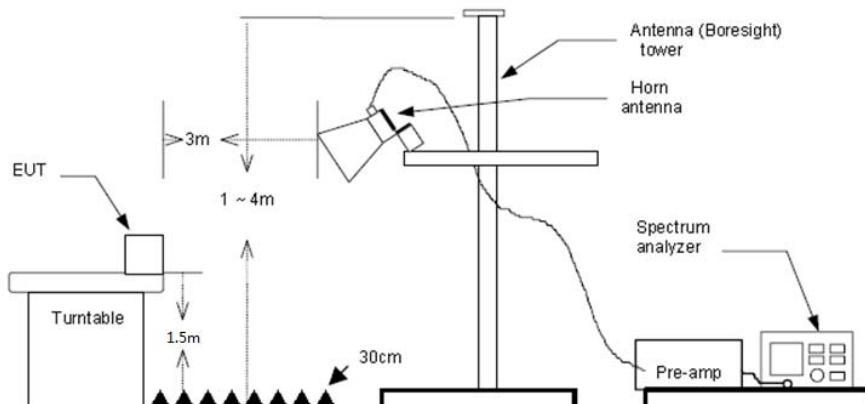
- 9kHz ~30MHz



- 30MHz ~ 1GHz



- Above 1GHz



TEST PROCEDURE

1. The EUT was tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
2. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna.
5. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1GHz, RBW=120kHz, VBW=300kHz, Sweep=auto, Detector function=peak, Trace=max hold;
If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
 - (3) Above 1GHz, RBW=1MHz, VBW=3MHz PEAK detector for Peak value.
RBW=1MHz, VBW=3MHz RMS detector for Average value.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

Note:

- 1) Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- 2) The emission levels of other frequencies are very lower than the limit and not show in test report.

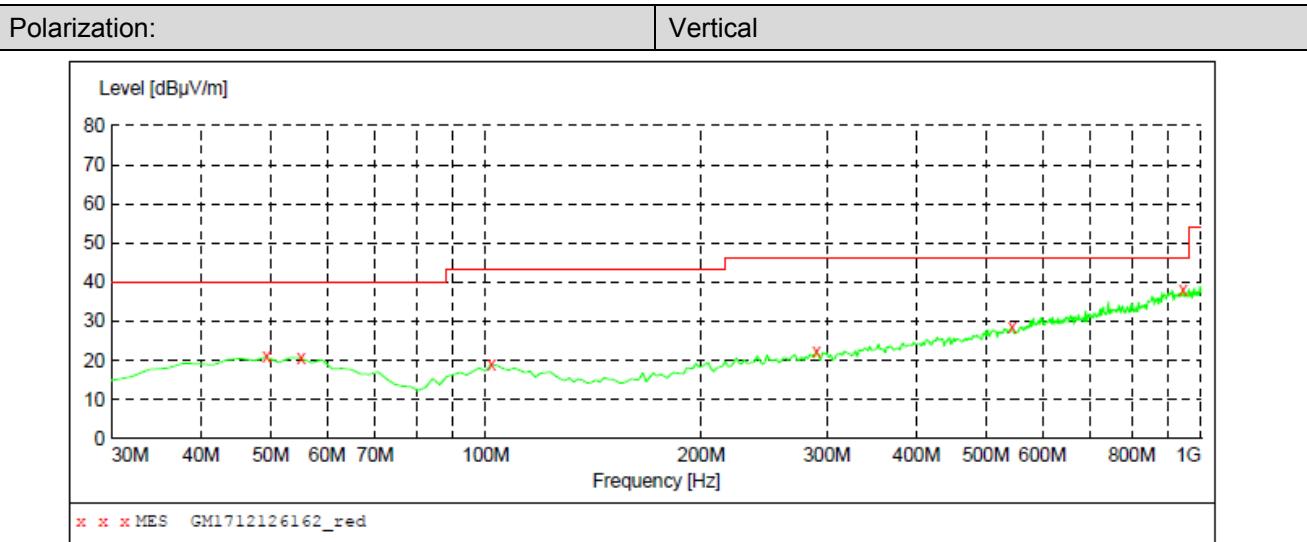
➤ 9kHz ~ 30MHz

The EUT was pre-scanned the frequency band (9kHz~30MHz), found the radiated level lower than the limit, so don't show on the report.

➤ 30MHz ~1000MHz

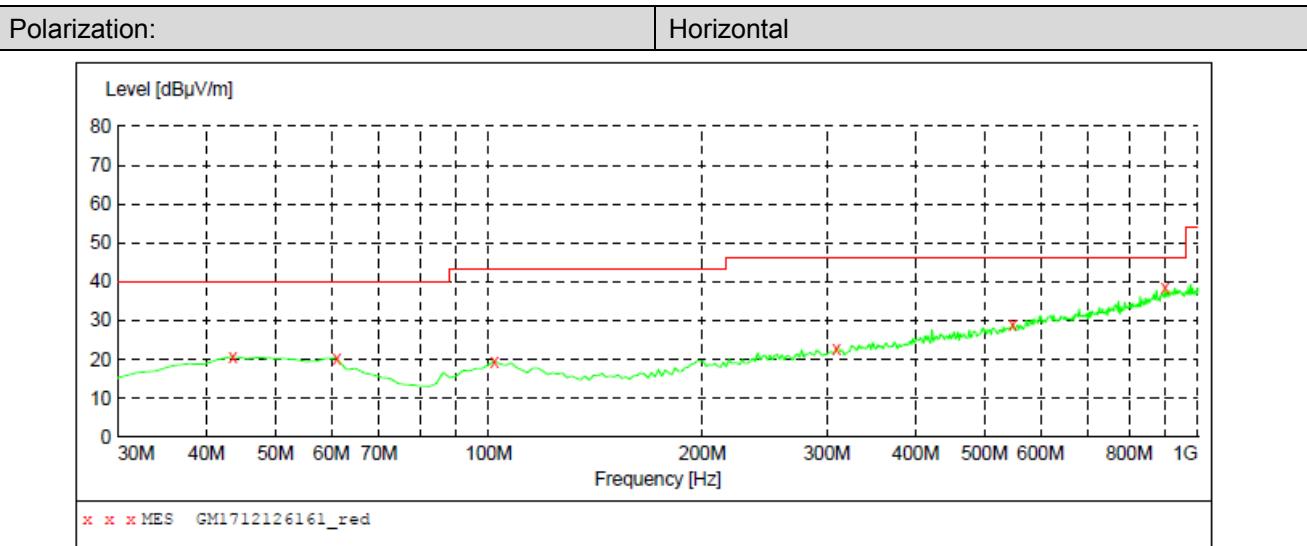
Have pre-scan all modulation mode, found the 802.11b mode CH01 which it was worst case, so only the worst case's data on the test report.

> 30MHz ~ 1GHz

**MEASUREMENT RESULT: "GM1712126162_red"**

12/12/2017 11:48PM

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
49.400000	20.90	-8.7	40.0	19.1	QP	100.0	0.00	VERTICAL
55.220000	20.60	-9.2	40.0	19.4	QP	100.0	151.00	VERTICAL
101.780000	19.00	-10.5	43.5	24.5	QP	100.0	0.00	VERTICAL
289.960000	22.40	-7.4	46.0	23.6	QP	100.0	325.00	VERTICAL
544.100000	28.50	-0.9	46.0	17.5	QP	100.0	104.00	VERTICAL
943.740000	38.00	7.2	46.0	8.0	QP	100.0	237.00	VERTICAL

**MEASUREMENT RESULT: "GM1712126161_red"**

12/12/2017 11:45PM

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
43.580000	20.80	-9.1	40.0	19.2	QP	300.0	87.00	HORIZONTAL
61.040000	20.40	-10.3	40.0	19.6	QP	100.0	124.00	HORIZONTAL
101.780000	19.60	-10.5	43.5	23.9	QP	300.0	3.00	HORIZONTAL
309.360000	22.70	-7.1	46.0	23.3	QP	100.0	96.00	HORIZONTAL
547.980000	29.10	-0.8	46.0	16.9	QP	300.0	87.00	HORIZONTAL
899.120000	38.70	6.7	46.0	7.3	QP	300.0	331.00	HORIZONTAL

> 1 GHz ~ 25 GHz

802.11b CH01									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1764.12	38.52	25.33	5.89	37.06	32.68	74.00	-41.32	Vertical	Peak
3026.20	34.95	28.65	7.51	38.23	32.88	74.00	-41.12	Vertical	Peak
3616.45	43.25	29.30	8.29	38.27	42.57	74.00	-31.43	Vertical	Peak
4821.76	36.65	31.56	9.55	36.90	40.86	74.00	-33.14	Vertical	Peak
1702.36	35.32	25.20	5.77	36.93	29.36	74.00	-44.64	Horizontal	Peak
3616.45	41.50	29.30	8.29	38.27	40.82	74.00	-33.18	Horizontal	Peak
4821.76	34.21	31.56	9.55	36.90	38.42	74.00	-35.58	Horizontal	Peak
7245.81	37.82	36.25	11.91	35.02	50.96	74.00	-23.04	Horizontal	Peak

802.11b CH06									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1698.03	33.25	25.19	5.76	36.93	27.27	74.00	-46.73	Vertical	Peak
3653.46	40.43	29.30	8.33	38.26	39.80	74.00	-34.20	Vertical	Peak
5518.20	31.12	31.88	10.21	36.25	36.96	74.00	-37.04	Vertical	Peak
7319.96	37.34	36.30	11.99	34.92	50.71	74.00	-23.29	Vertical	Peak
1764.12	36.62	25.33	5.89	37.06	30.78	74.00	-43.22	Horizontal	Peak
3653.46	43.14	29.30	8.33	38.26	42.51	74.00	-31.49	Horizontal	Peak
5703.86	33.39	31.62	10.44	35.58	39.87	74.00	-34.13	Horizontal	Peak
7319.96	33.49	36.30	11.99	34.92	46.86	74.00	-27.14	Horizontal	Peak

802.11b CH11									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1764.12	35.76	25.33	5.89	37.06	29.92	74.00	-44.08	Vertical	Peak
3690.85	37.18	29.30	8.37	38.25	36.60	74.00	-37.40	Vertical	Peak
4920.96	35.79	31.42	9.62	36.62	40.21	74.00	-33.79	Vertical	Peak
7394.88	35.61	36.30	12.06	34.83	49.14	74.00	-24.86	Vertical	Peak
1724.17	33.57	25.25	5.81	36.98	27.65	74.00	-46.35	Horizontal	Peak
3690.85	43.50	29.30	8.37	38.25	42.92	74.00	-31.08	Horizontal	Peak
4920.96	36.11	31.42	9.62	36.62	40.53	74.00	-33.47	Horizontal	Peak
7394.88	34.47	36.30	12.06	34.83	48.00	74.00	-26.00	Horizontal	Peak

Remark:

- Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

802.11g					CH01				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1719.78	35.94	25.24	5.80	36.97	30.01	74.00	-43.99	Vertical	Peak
3634.91	35.14	29.30	8.31	38.26	34.49	74.00	-39.51	Vertical	Peak
6283.16	33.26	33.07	11.00	35.30	42.03	74.00	-31.97	Vertical	Peak
8484.55	32.54	36.85	12.87	34.37	47.89	74.00	-26.11	Vertical	Peak
1746.25	35.09	25.29	5.86	37.03	29.21	74.00	-44.79	Horizontal	Peak
3184.25	35.13	28.80	7.70	38.20	33.43	74.00	-40.57	Horizontal	Peak
4821.76	32.64	31.56	9.55	36.90	36.85	74.00	-37.15	Horizontal	Peak
7117.84	32.49	35.71	11.86	34.96	45.10	74.00	-28.90	Horizontal	Peak

802.11g					CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1518.11	33.34	25.63	5.34	36.61	27.70	74.00	-46.30	Vertical	Peak
3208.66	33.67	28.75	7.73	38.22	31.93	74.00	-42.07	Vertical	Peak
4421.99	33.61	30.54	9.17	37.52	35.80	74.00	-38.20	Vertical	Peak
6219.51	31.23	32.94	11.01	35.29	39.89	74.00	-34.11	Vertical	Peak
1350.36	35.26	26.05	4.92	36.49	29.74	74.00	-44.26	Horizontal	Peak
3993.90	34.69	29.70	8.77	38.11	35.05	74.00	-38.95	Horizontal	Peak
5546.36	32.79	31.85	10.23	36.12	38.75	74.00	-35.25	Horizontal	Peak
7527.83	33.00	36.13	12.49	34.92	46.70	74.00	-27.30	Horizontal	Peak

802.11g					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1818.84	34.73	25.38	5.99	37.16	28.94	74.00	-45.06	Vertical	Peak
4149.35	33.53	29.95	8.90	37.77	34.61	74.00	-39.39	Vertical	Peak
5177.97	33.45	31.59	9.81	36.22	38.63	74.00	-35.37	Vertical	Peak
7319.96	32.29	36.30	11.99	34.92	45.66	74.00	-28.34	Vertical	Peak
1479.96	34.37	25.82	5.23	36.56	28.86	74.00	-45.14	Horizontal	Peak
3128.01	34.36	28.80	7.63	38.21	32.58	74.00	-41.42	Horizontal	Peak
5125.52	31.56	31.80	9.77	36.27	36.86	74.00	-37.14	Horizontal	Peak
7451.57	32.61	36.20	12.24	34.86	46.19	74.00	-27.81	Horizontal	Peak

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

802.11n(HT20)					CH01				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1737.38	35.25	25.28	5.84	37.01	29.36	74.00	-44.64	Vertical	Peak
3616.45	39.54	29.30	8.29	38.27	38.86	74.00	-35.14	Vertical	Peak
4821.76	34.18	31.56	9.55	36.90	38.39	74.00	-35.61	Vertical	Peak
7245.81	35.46	36.25	11.91	35.02	48.60	74.00	-25.40	Vertical	Peak
1737.38	35.25	25.28	5.84	37.01	29.36	74.00	-44.64	Horizontal	Peak
3616.45	39.54	29.30	8.29	38.27	38.86	74.00	-35.14	Horizontal	Peak
7245.81	38.37	36.25	11.91	35.02	51.51	74.00	-22.49	Horizontal	Peak
9660.72	36.23	39.09	13.71	35.32	53.71	74.00	-20.29	Horizontal	Peak

802.11n(HT20)					CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1185.96	35.94	26.19	4.63	36.58	30.18	74.00	-43.82	Vertical	Peak
2212.68	32.52	27.58	6.46	37.38	29.18	74.00	-44.82	Vertical	Peak
3653.46	38.38	29.30	8.33	38.26	37.75	74.00	-36.25	Vertical	Peak
7319.96	38.41	36.30	11.99	34.92	51.78	74.00	-22.22	Vertical	Peak
1764.12	37.23	25.33	5.89	37.06	31.39	74.00	-42.61	Horizontal	Peak
3653.46	42.66	29.30	8.33	38.26	42.03	74.00	-31.97	Horizontal	Peak
4871.10	36.28	31.46	9.59	36.76	40.57	74.00	-33.43	Horizontal	Peak
7338.62	35.85	36.30	12.01	34.90	49.26	74.00	-24.74	Horizontal	Peak

802.11n(HT20)					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1746.25	36.93	25.29	5.86	37.03	31.05	74.00	-42.95	Vertical	Peak
3690.85	38.83	29.30	8.37	38.25	38.25	74.00	-35.75	Vertical	Peak
4821.76	34.16	31.56	9.55	36.90	38.37	74.00	-35.63	Vertical	Peak
7394.88	36.29	36.30	12.06	34.83	49.82	74.00	-24.18	Vertical	Peak
1732.97	34.99	25.27	5.83	37.00	29.09	74.00	-44.91	Horizontal	Peak
3690.85	40.45	29.30	8.37	38.25	39.87	74.00	-34.13	Horizontal	Peak
5271.06	33.26	31.36	9.94	36.41	38.15	74.00	-35.85	Horizontal	Peak
7394.88	35.55	36.30	12.06	34.83	49.08	74.00	-24.92	Horizontal	Peak

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

802.11n(HT40)					CH03				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1676.56	34.94	25.13	5.72	36.88	28.91	74.00	-45.09	Vertical	Peak
3151.99	35.53	28.80	7.66	38.21	33.78	74.00	-40.22	Vertical	Peak
4983.99	32.48	31.48	9.66	36.44	37.18	74.00	-36.82	Vertical	Peak
7282.79	36.80	36.28	11.95	34.97	50.06	74.00	-23.94	Vertical	Peak
1805.01	34.30	25.39	5.97	37.14	28.52	74.00	-45.48	Horizontal	Peak
3644.18	38.41	29.30	8.32	38.26	37.77	74.00	-36.23	Horizontal	Peak
4908.44	32.90	31.41	9.61	36.66	37.26	74.00	-36.74	Horizontal	Peak
7282.79	33.85	36.28	11.95	34.97	47.11	74.00	-26.89	Horizontal	Peak

802.11n(HT40)					CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1814.22	34.17	25.39	5.98	37.15	28.39	74.00	-45.61	Vertical	Peak
3376.24	34.48	28.20	7.93	38.51	32.10	74.00	-41.90	Vertical	Peak
4234.72	33.87	30.07	8.97	37.63	35.28	74.00	-38.72	Vertical	Peak
6379.86	31.97	33.26	10.99	35.31	40.91	74.00	-33.09	Vertical	Peak
1750.70	37.84	25.30	5.86	37.04	31.96	74.00	-42.04	Horizontal	Peak
3644.18	37.49	29.30	8.32	38.26	36.85	74.00	-37.15	Horizontal	Peak
4908.44	32.67	31.41	9.61	36.66	37.03	74.00	-36.97	Horizontal	Peak
7319.96	36.75	36.30	11.99	34.92	50.12	74.00	-23.88	Horizontal	Peak

802.11n(HT40)					CH09				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1777.65	34.59	25.36	5.92	37.09	28.78	74.00	-45.22	Vertical	Peak
3681.47	36.56	29.30	8.36	38.25	35.97	74.00	-38.03	Vertical	Peak
5177.97	31.96	31.59	9.81	36.22	37.14	74.00	-36.86	Vertical	Peak
7376.08	36.80	36.30	12.04	34.85	50.29	74.00	-23.71	Vertical	Peak
1728.56	35.75	25.26	5.82	36.99	29.84	74.00	-44.16	Horizontal	Peak
3672.11	37.52	29.30	8.35	38.26	36.91	74.00	-37.09	Horizontal	Peak
5099.49	31.92	31.90	9.75	36.30	37.27	74.00	-36.73	Horizontal	Peak
7357.33	35.94	36.30	12.03	34.88	49.39	74.00	-24.61	Horizontal	Peak

Remark:

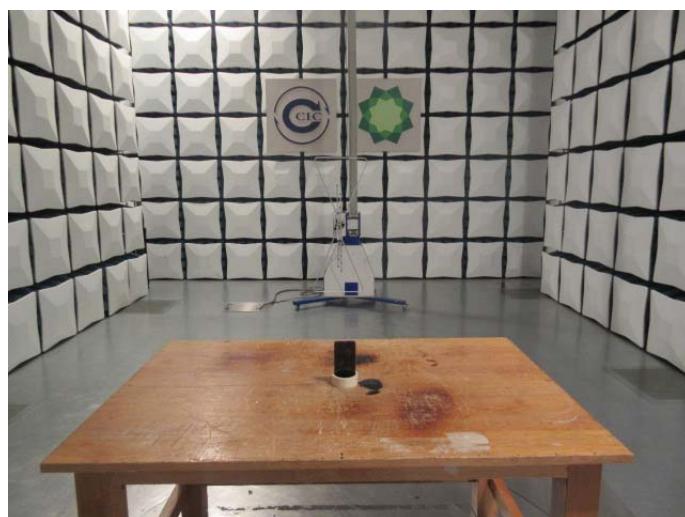
- Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

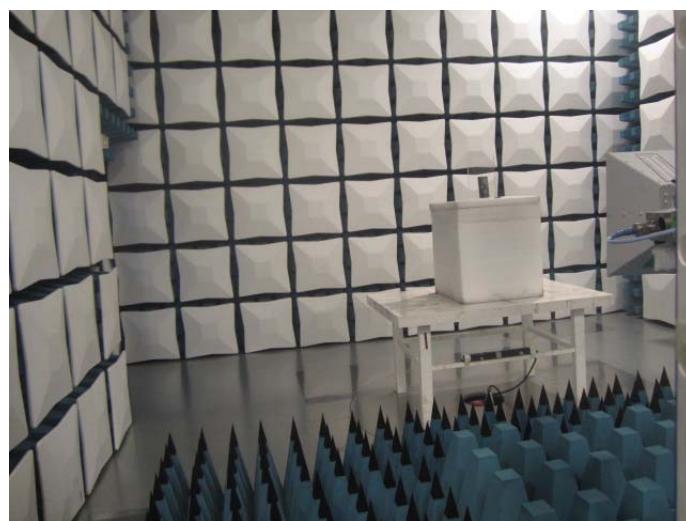
8. TEST SETUP PHOTOS

Conducted Emissions



Radiated Emissions





9. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No.: TRE1712002901

.....**End of Report**.....