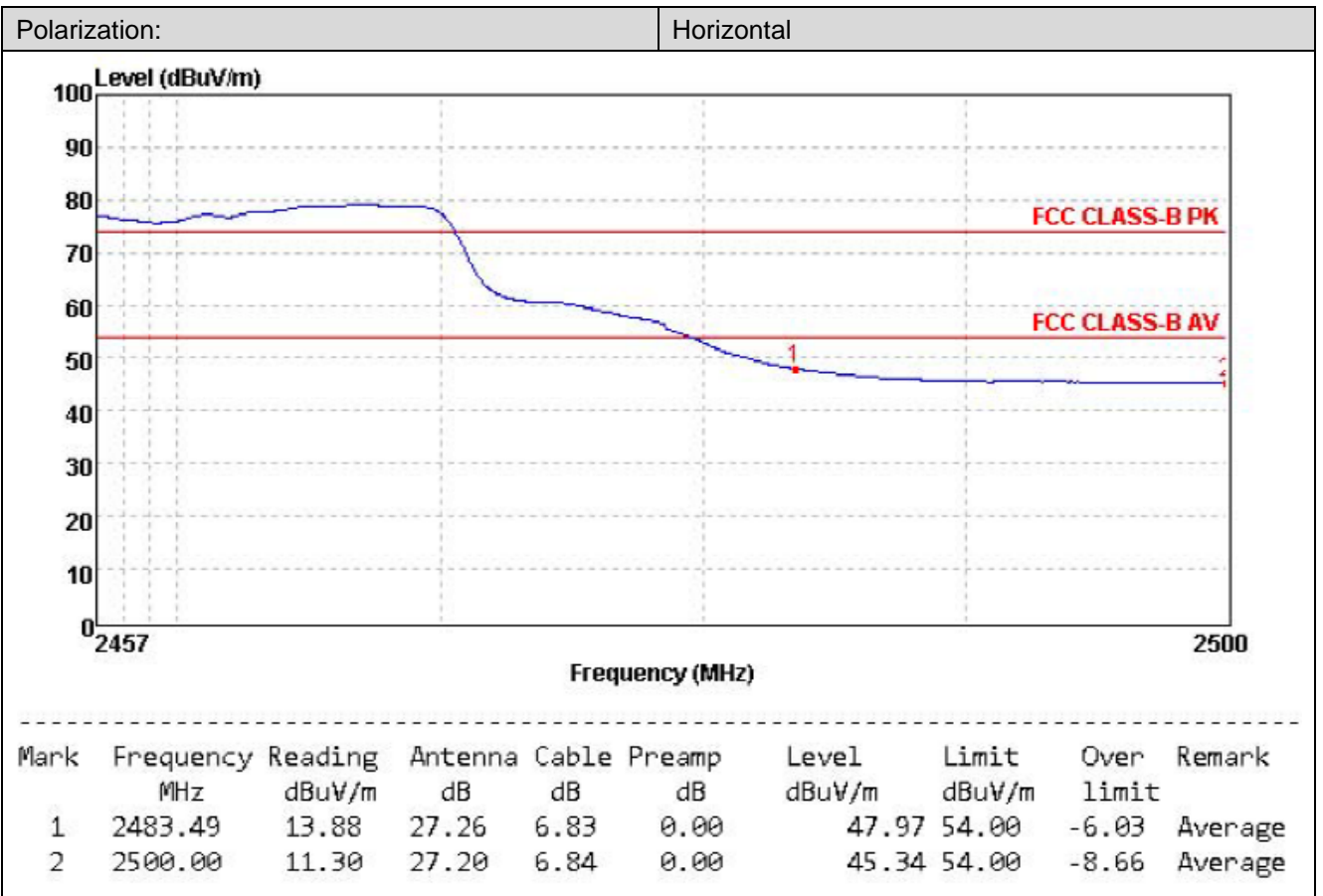
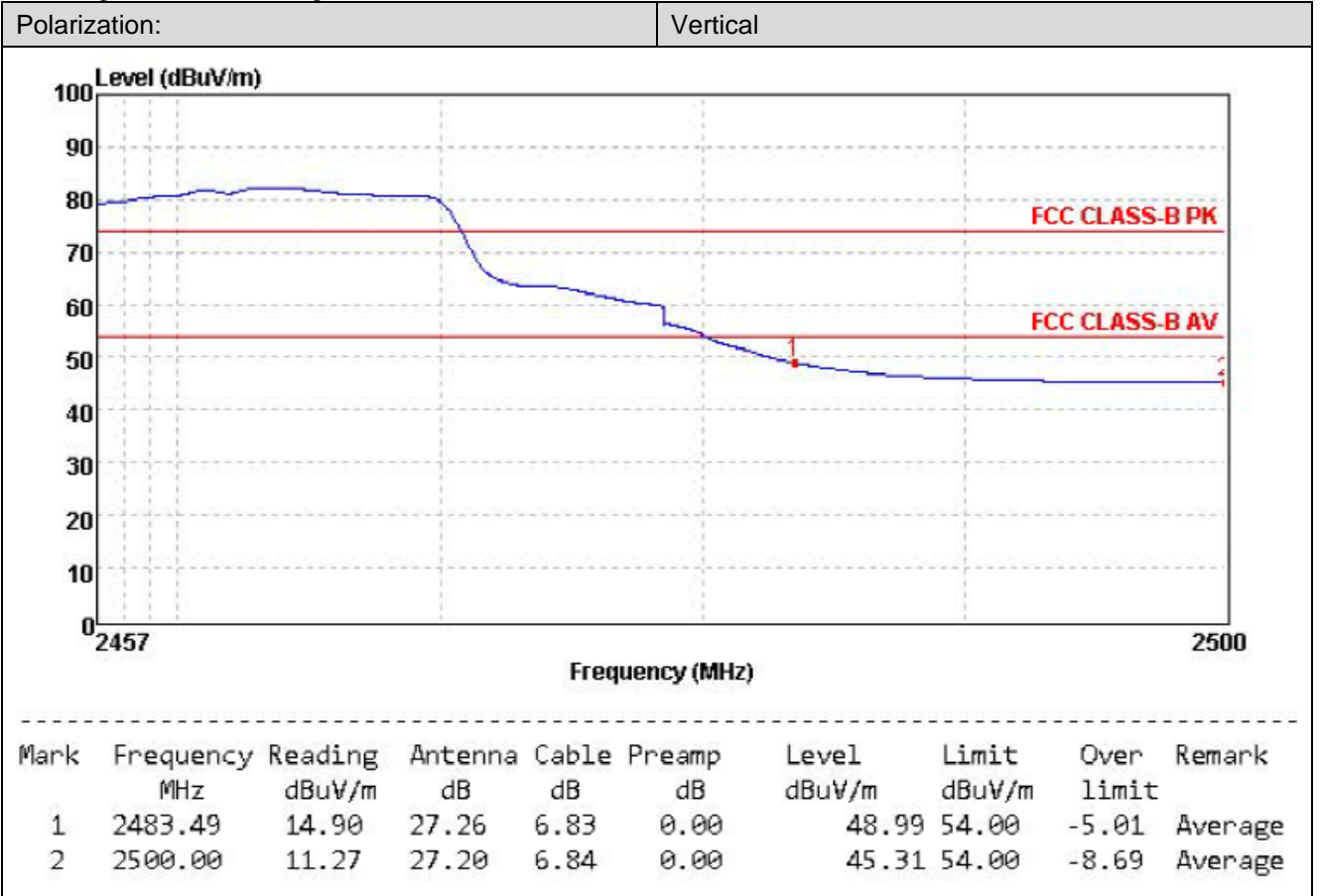
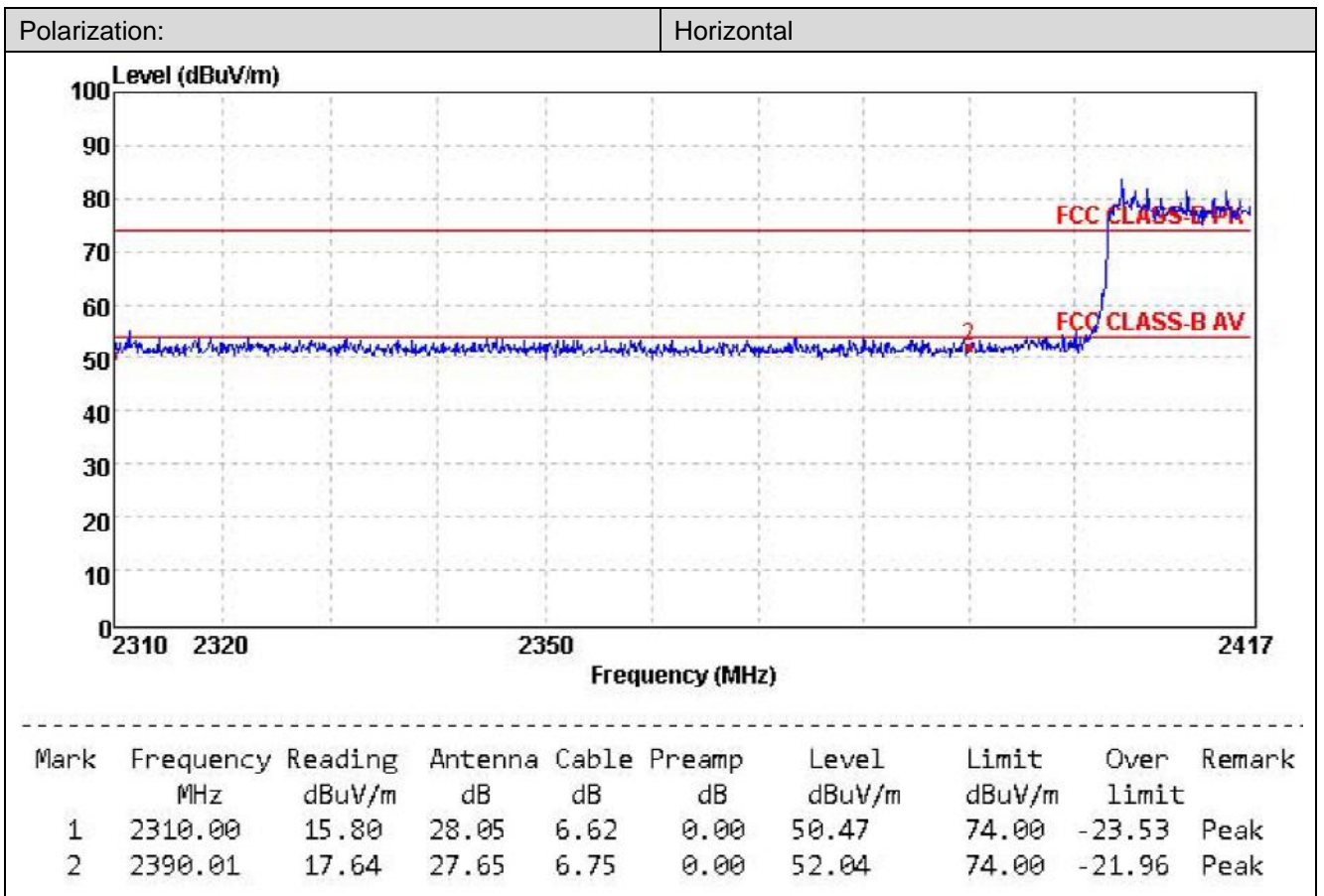
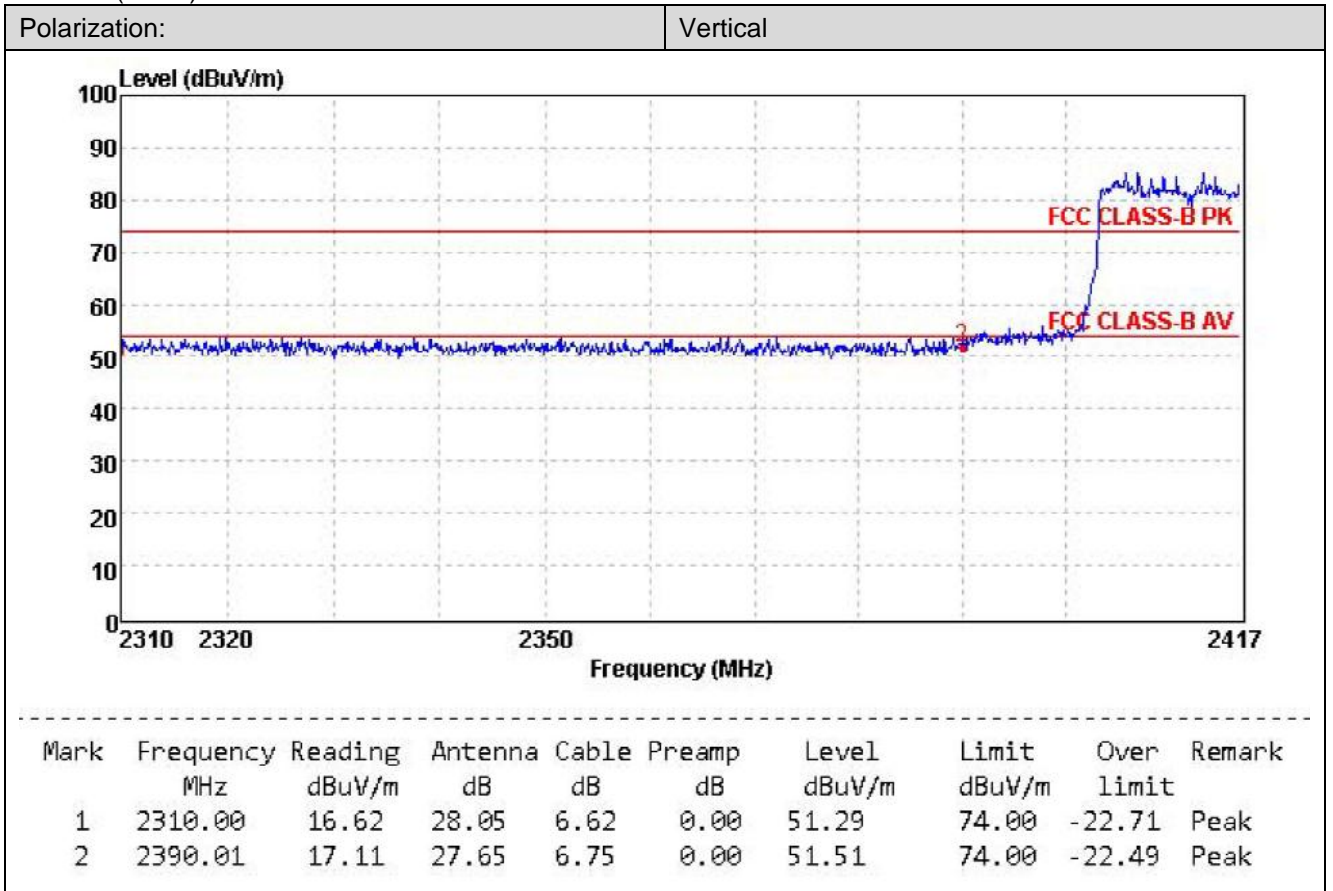


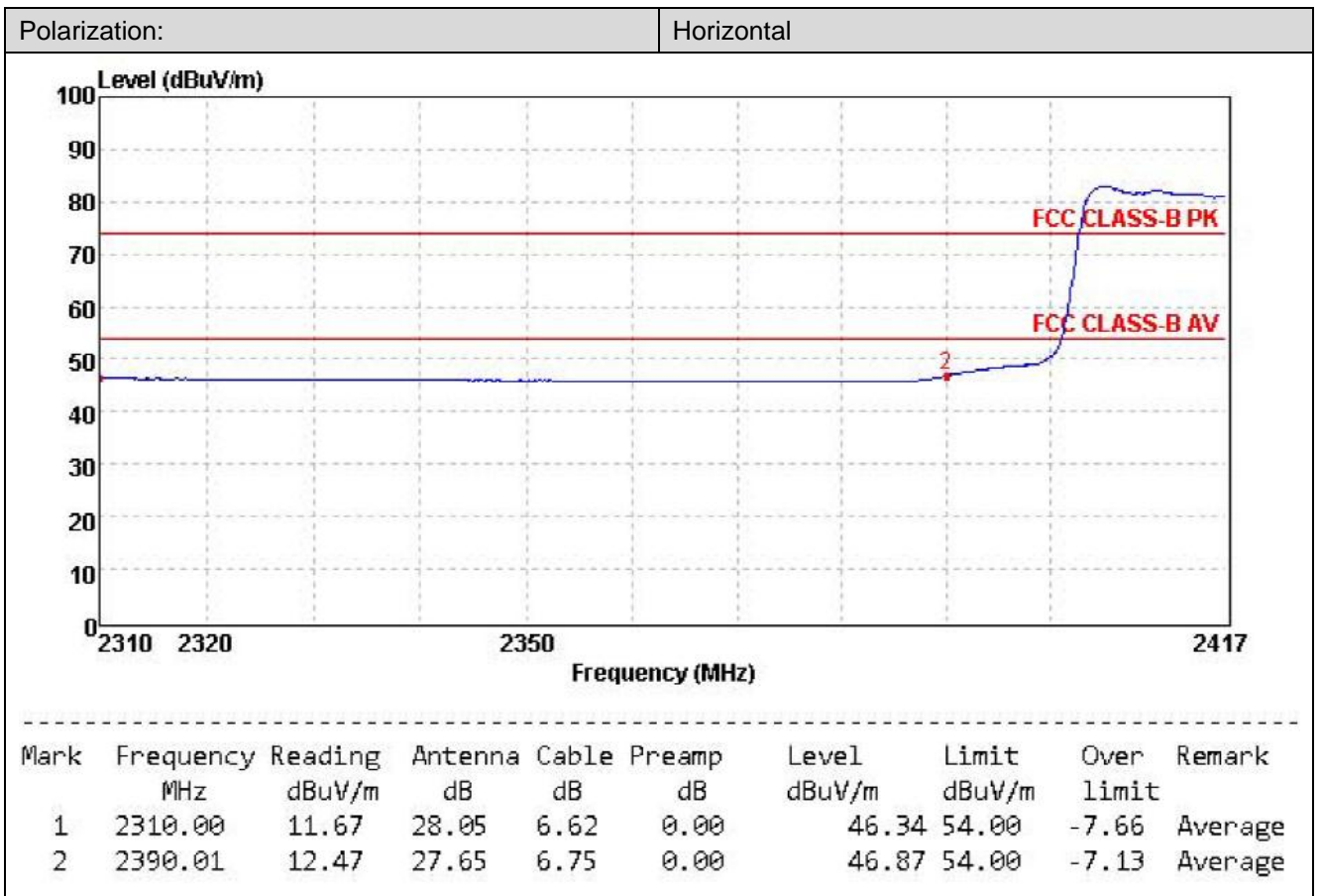
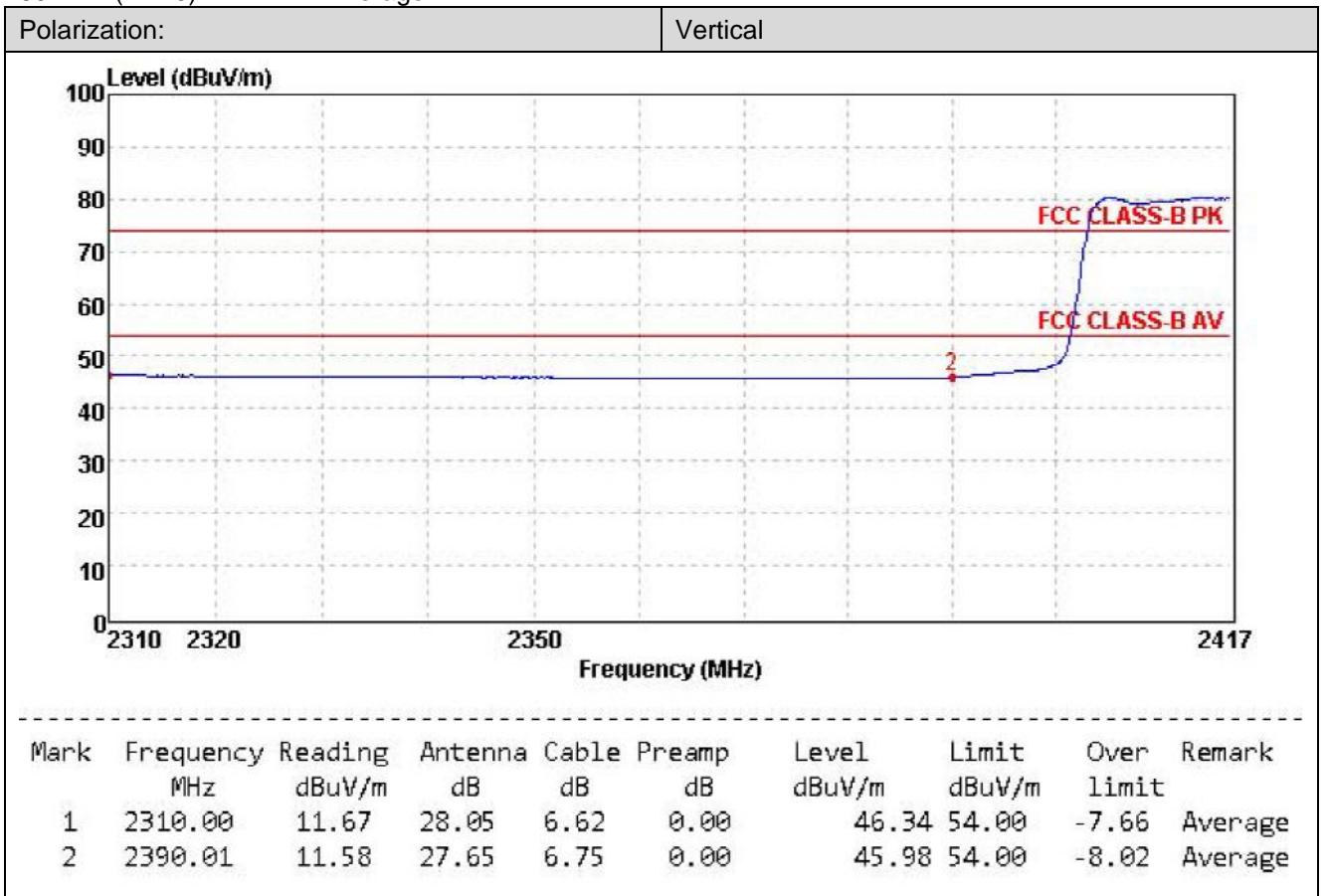
802.11g-2462MHz Average:



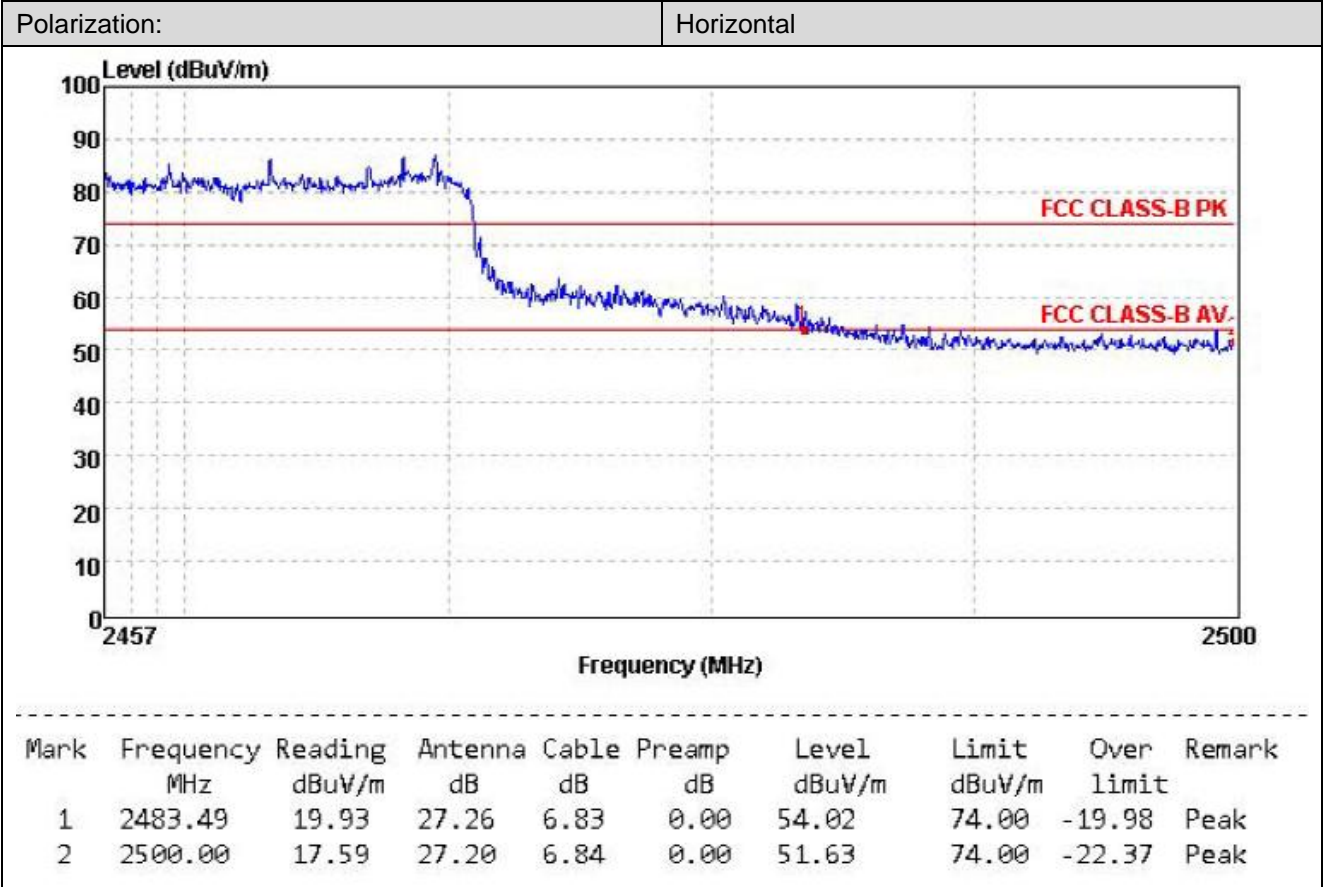
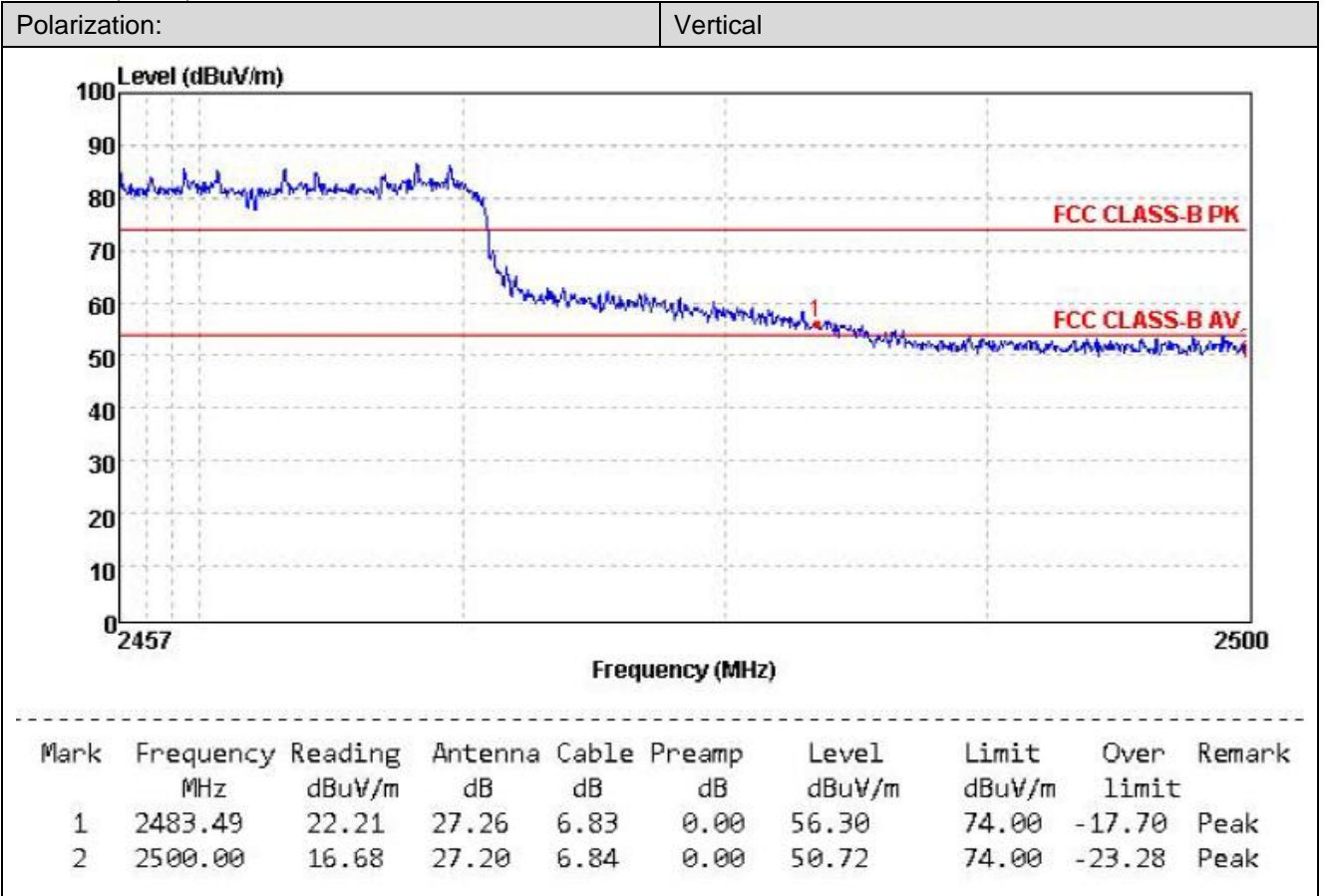
802.11n(HT20)-2412MHz Peak:



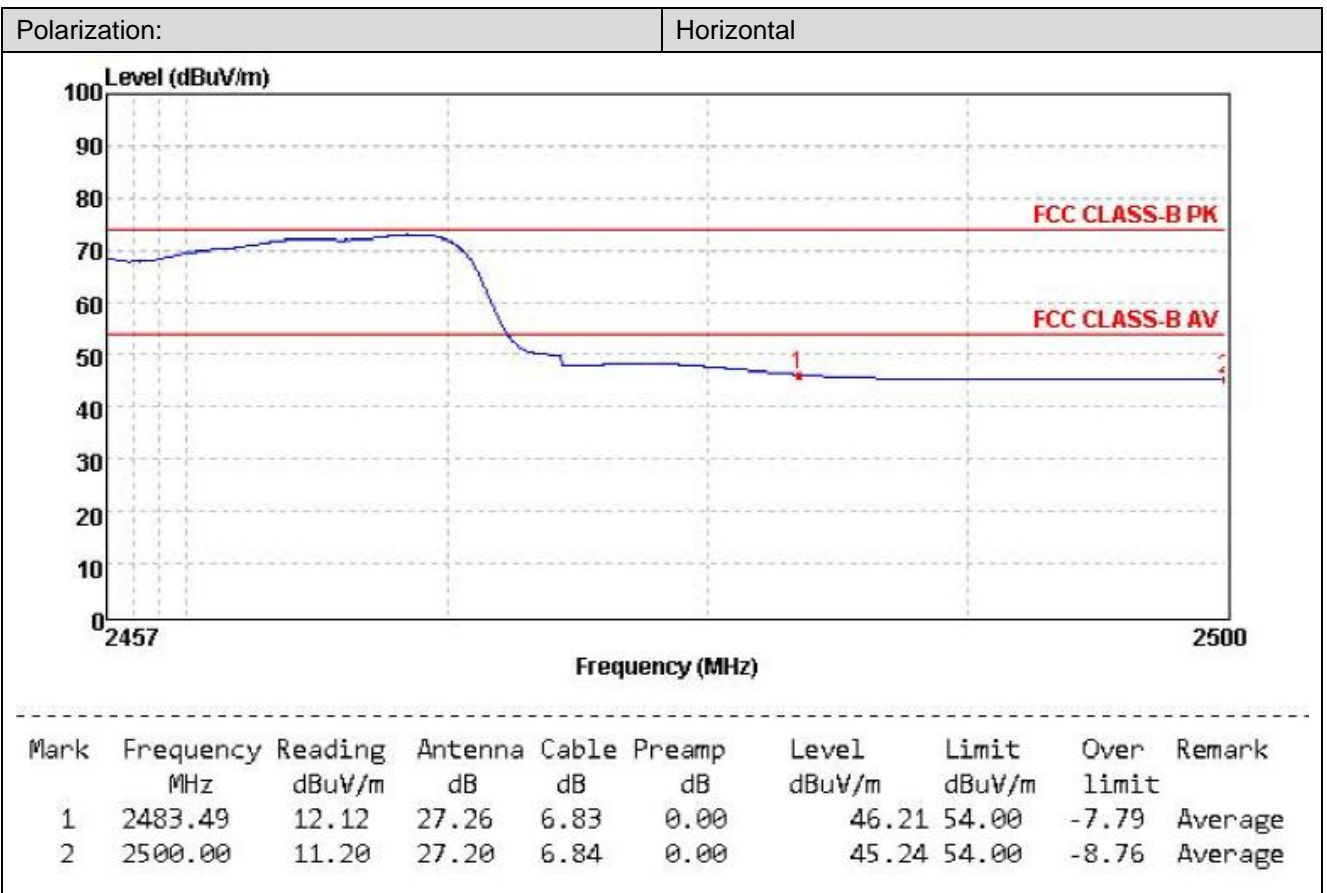
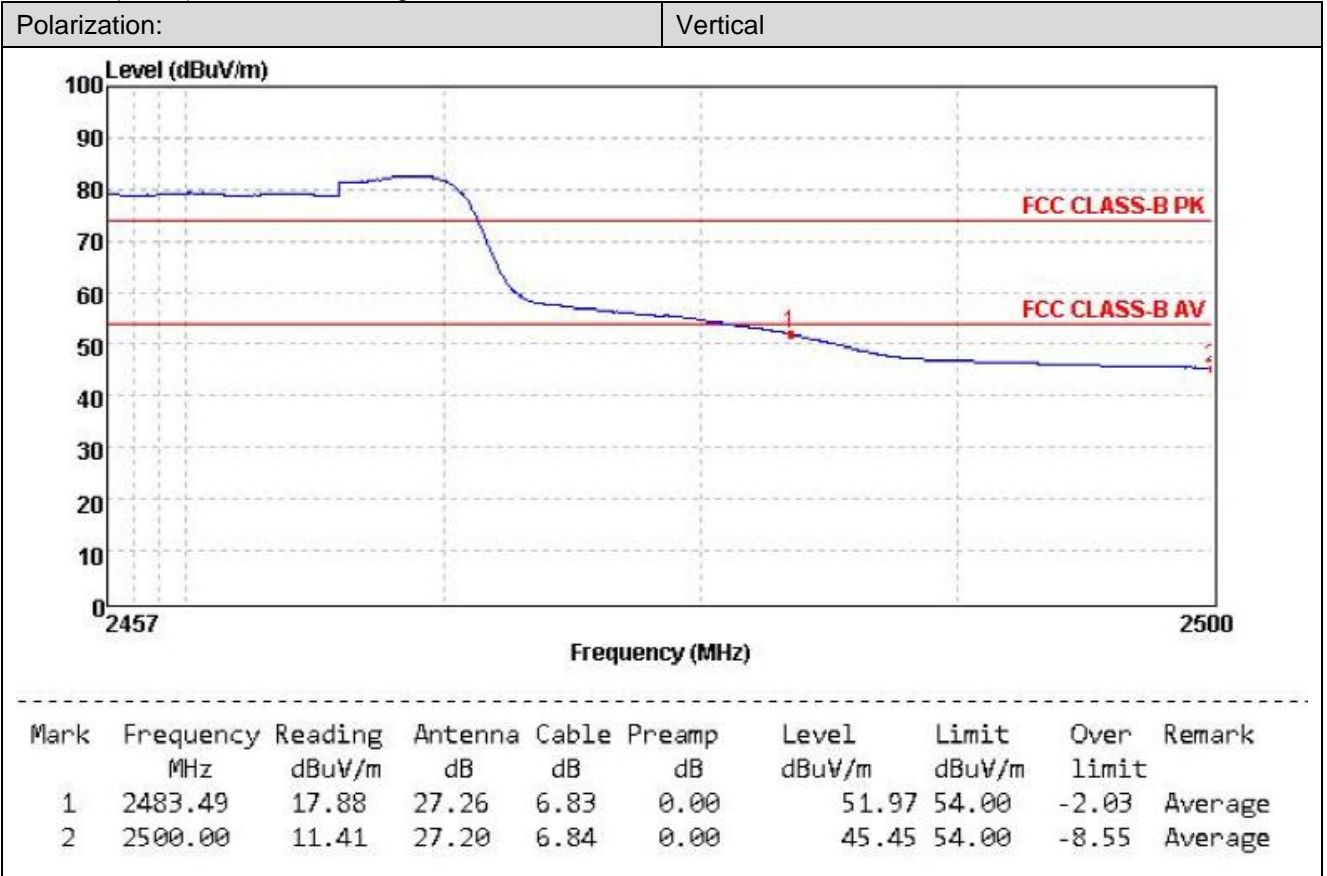
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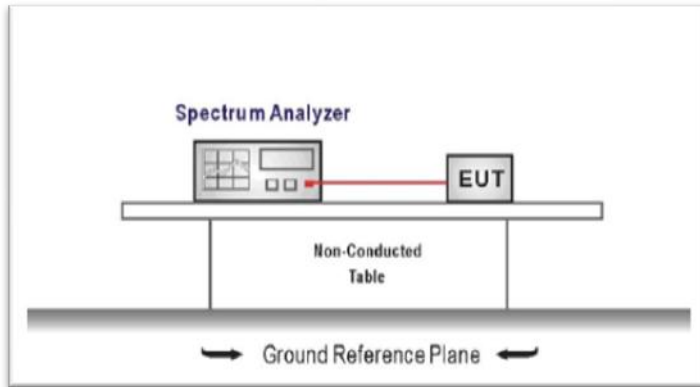


## 5.7. Band edge and Spurious Emissions (conducted)

### 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

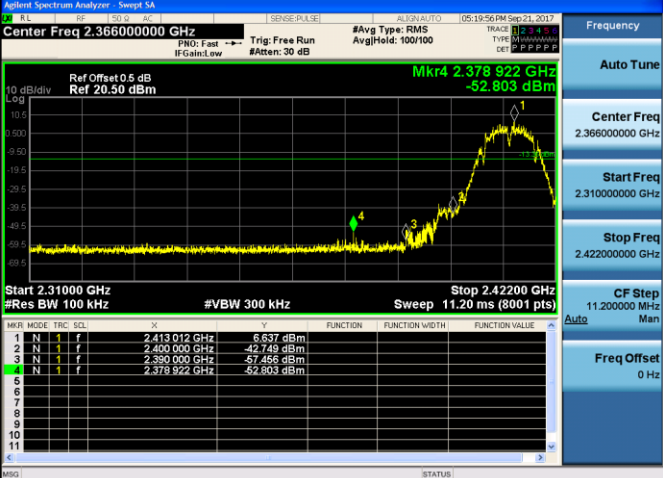

1. Connect the antenna port(s) to the spectrum analyzer input.
2. Establish a reference level by using the following procedure  
Center frequency=DTS channel center frequency  
The span = 1.5 times the DTS bandwidth.  
RBW = 100 kHz, VBW  $\geq$  3 x RBW  
Detector = peak, Sweep time = auto couple, Trace 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.

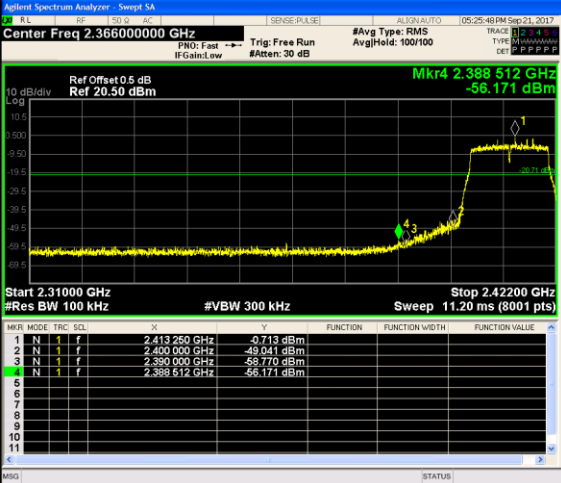
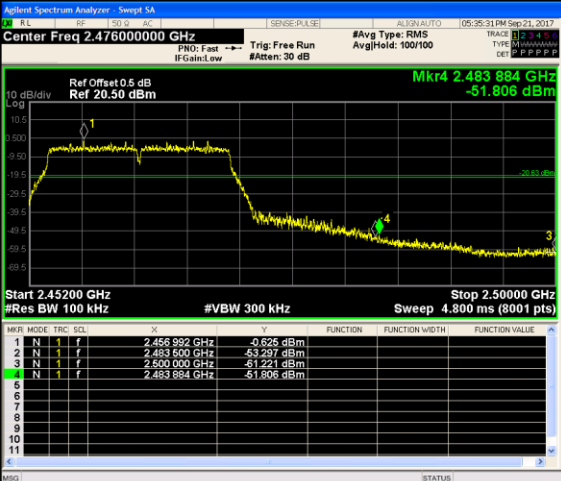
### TEST MODE:

Please refer to the clause 3.3

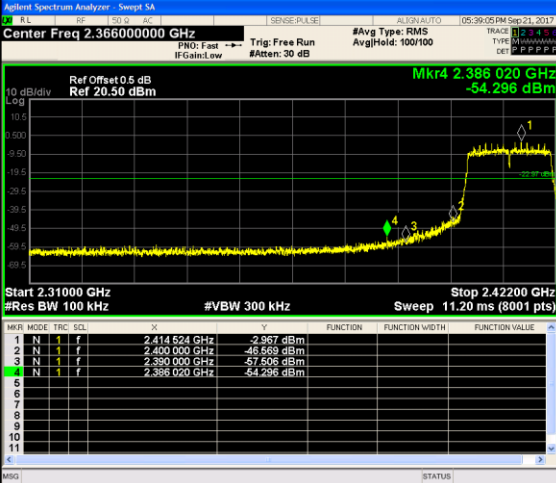
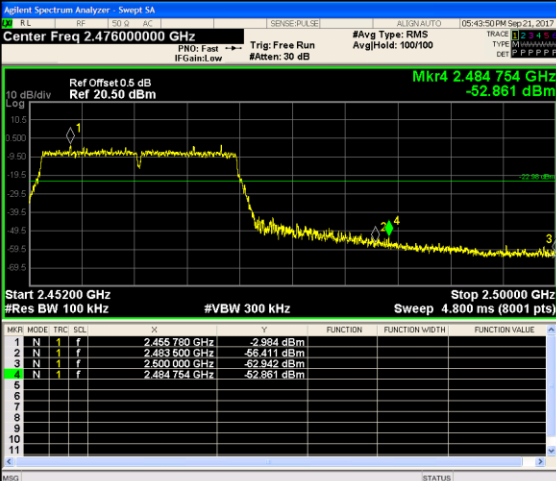
### TEST RESULTS

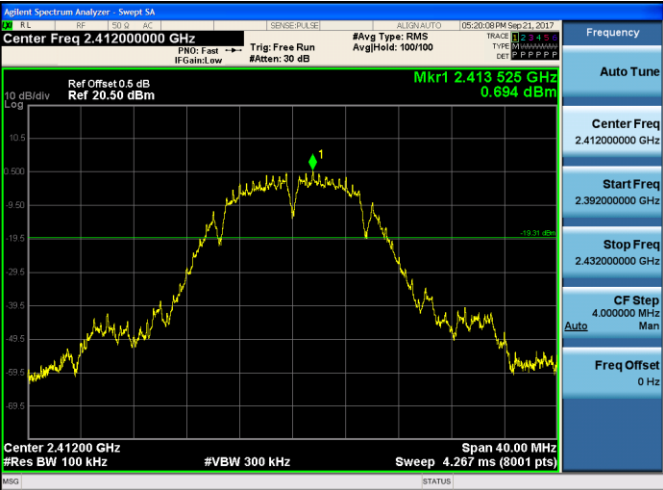
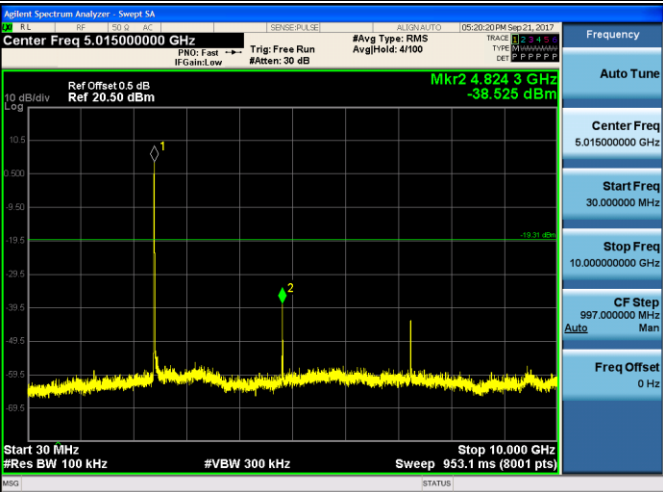

Passed       Not Applicable

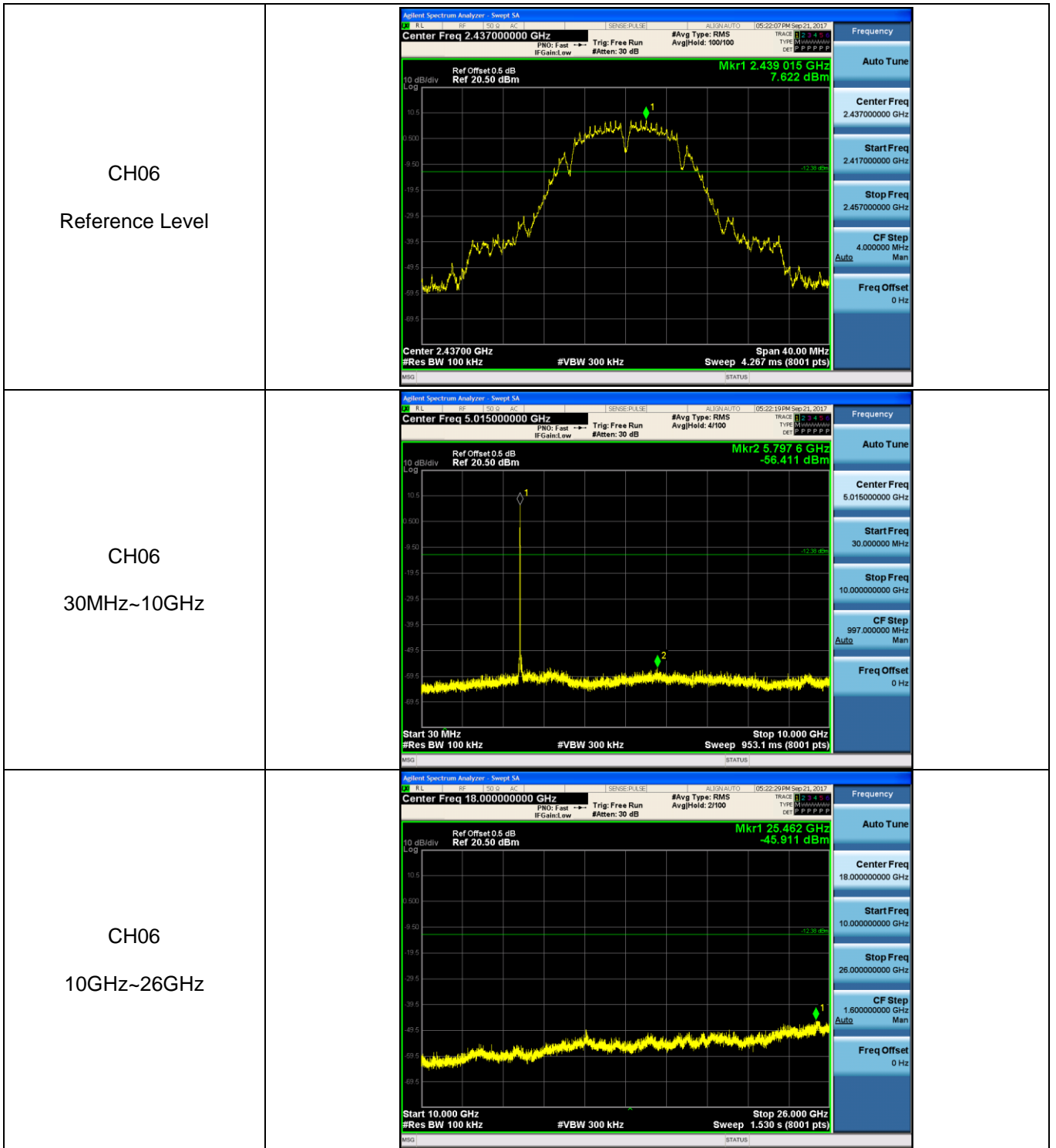
Test Item:	Bandedge	Type:	802.11 b																																													
CH01	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.36600000 GHz</p> <p>Ref Offset 0.5 dB Ref 20.50 dBm</p> <p>Mkr4 2.378 922 GHz -52.803 dBm</p> <p>Start 2.31000 GHz #Res BW 100 kHz</p> <p>Stop 2.42200 GHz #VBW 300 kHz Sweep 11.20 ms (8001 pts)</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>2.413 012 GHz</td> <td>6.637 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>2.450 000 GHz</td> <td>-42.749 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>2.390 000 GHz</td> <td>-57.456 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>1</td> <td>f</td> <td>2.378 922 GHz</td> <td>-52.803 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.36600000 GHz</p> <p>Start Freq 2.31000000 GHz</p> <p>Stop Freq 2.42200000 GHz</p> <p>CF Step 11.200000 MHz</p> <p>Freq Offset 0 Hz</p>			MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.413 012 GHz	6.637 dBm				2	N	1	f	2.450 000 GHz	-42.749 dBm				3	N	1	f	2.390 000 GHz	-57.456 dBm				4	N	1	f	2.378 922 GHz	-52.803 dBm			
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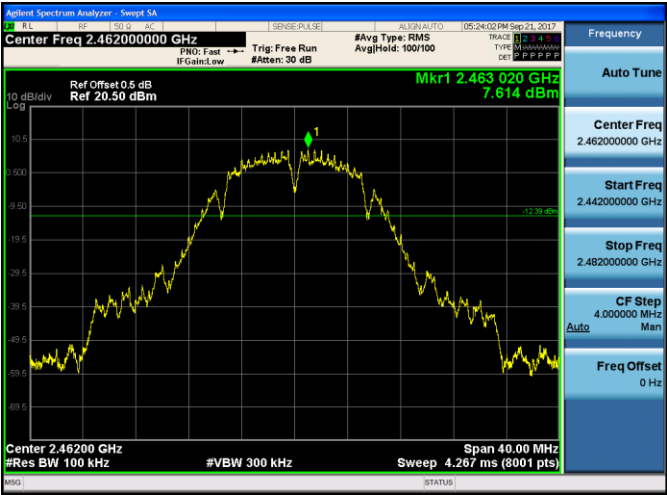
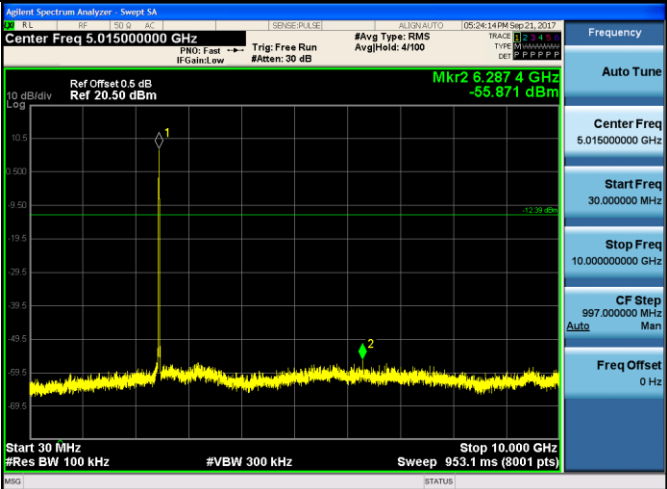

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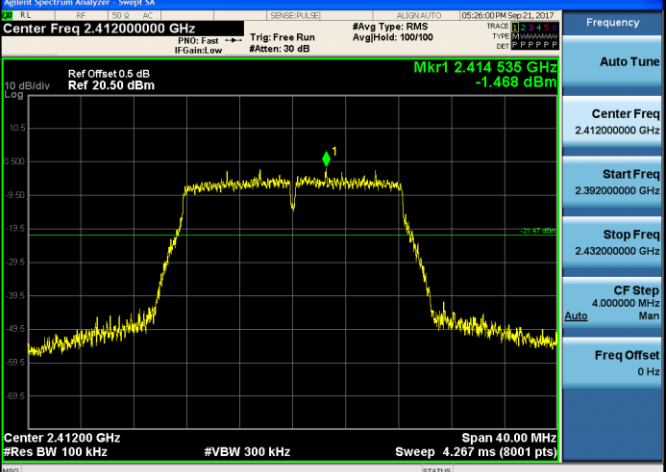
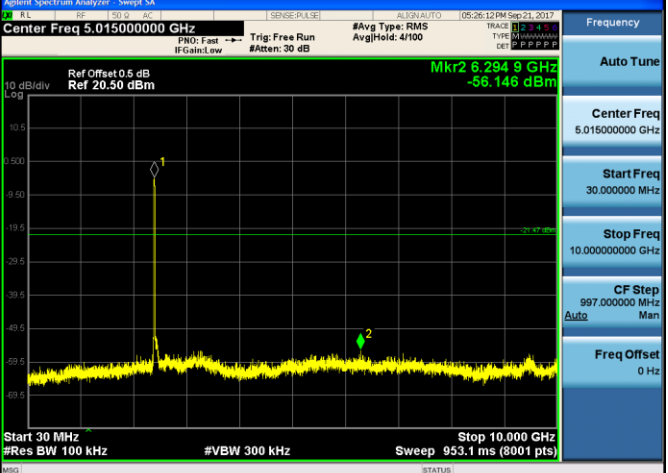



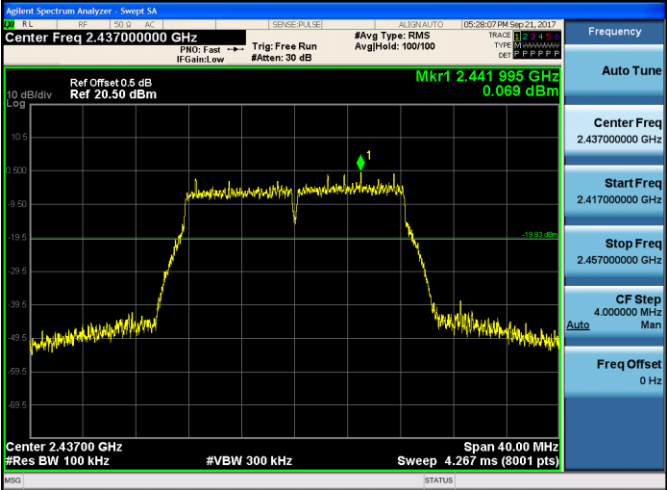
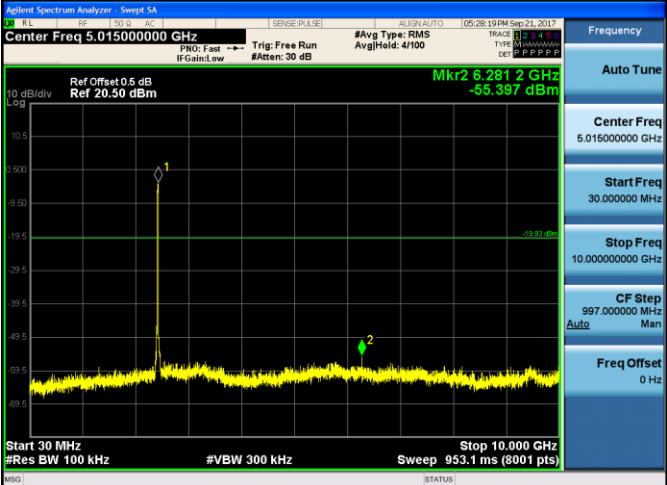
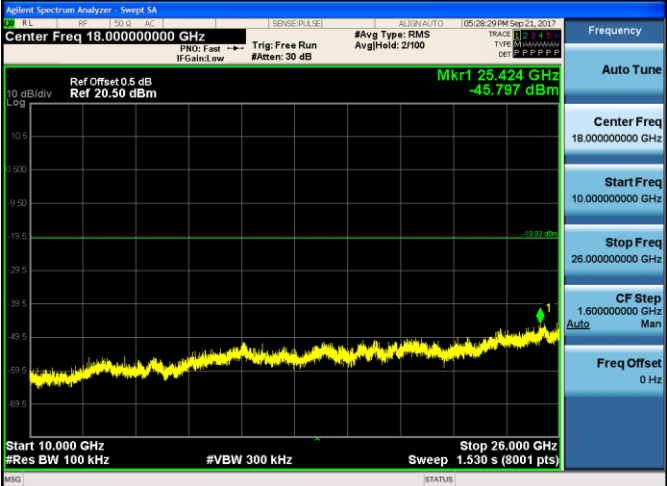
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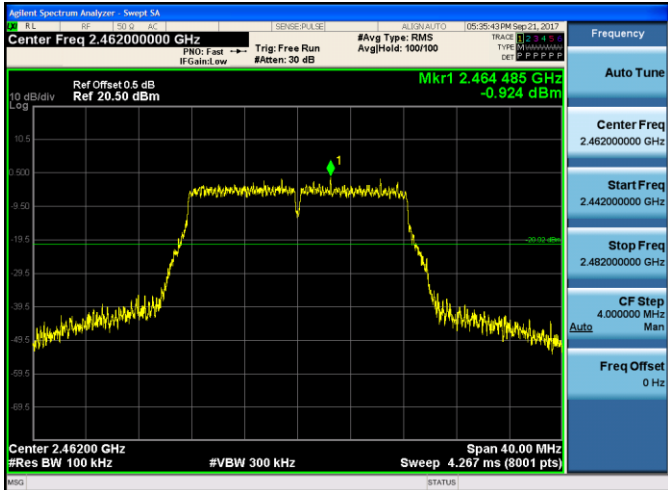
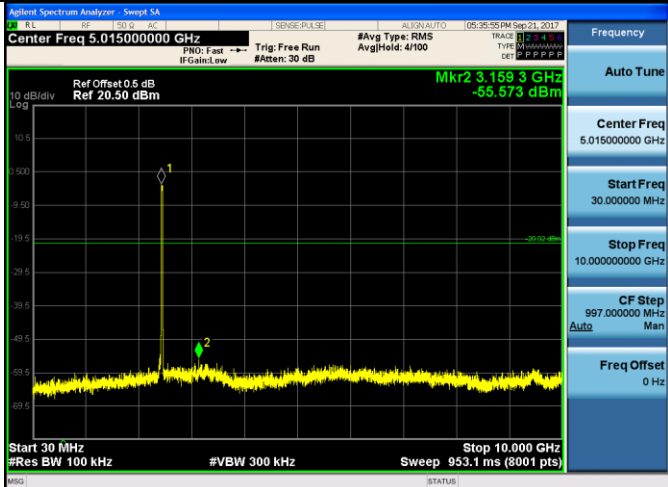
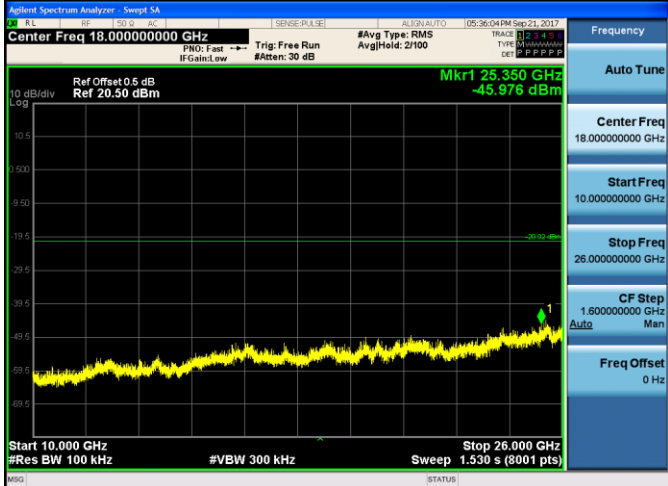
Test Item:	SE	Type:	802.11 b
<p>CH01 Reference Level</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.41200000 GHz</p> <p>Start Freq 2.39200000 GHz</p> <p>Stop Freq 2.43200000 GHz</p> <p>CF Step 4.00000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH01 30MHz~10GHz</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.01500000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 10.00000000 GHz</p> <p>CF Step 997.00000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH01 10GHz~26GHz</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 18.00000000 GHz</p> <p>Start Freq 10.00000000 GHz</p> <p>Stop Freq 26.00000000 GHz</p> <p>CF Step 1.60000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

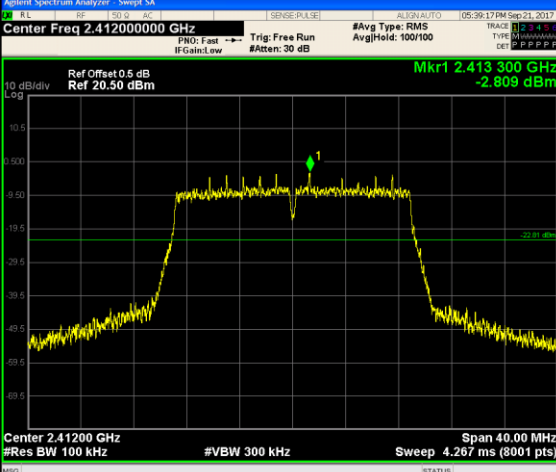
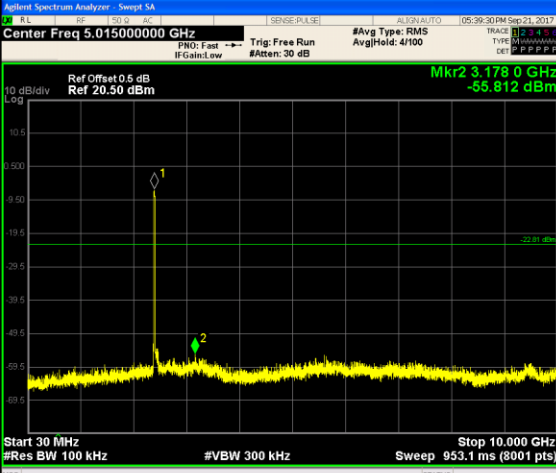
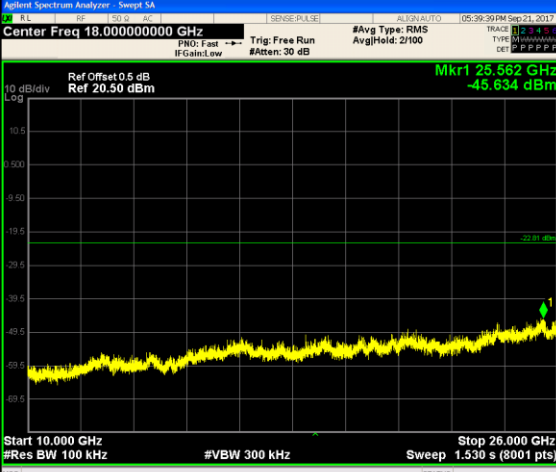


<p>CH11 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.46200000 GHz Mkr1 2.463020 GHz -7.614 dBm Span 40.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>
<p>CH11 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 5.01500000 GHz Mkr2 6.2874 GHz -55.871 dBm Start 30 MHz Stop 10.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 953.1 ms (8001 pts)</p>
<p>CH11 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 18.00000000 GHz Mkr1 25.542 GHz -44.503 dBm Start 10.000 GHz Stop 26.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.530 s (8001 pts)</p>

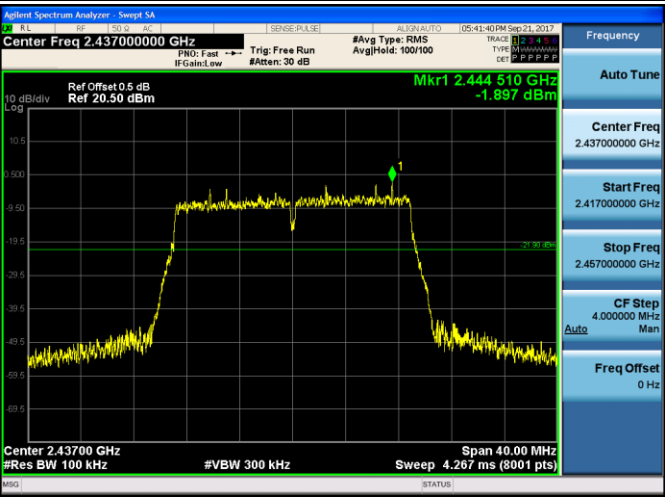
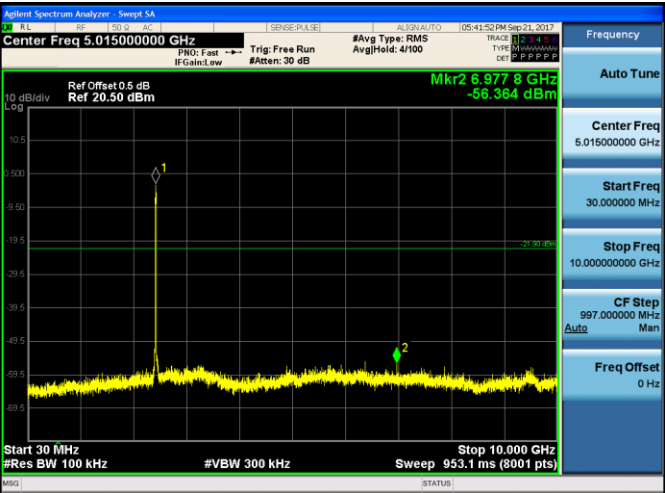

Test Item:	SE	Type:	802.11 g
<p>CH01 Reference Level</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.41200000 GHz</p> <p>Start Freq 2.39200000 GHz</p> <p>Stop Freq 2.43200000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH01 30MHz~10GHz</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.01500000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 10.00000000 GHz</p> <p>CF Step 997.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH01 10GHz~26GHz</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 18.00000000 GHz</p> <p>Start Freq 10.00000000 GHz</p> <p>Stop Freq 26.00000000 GHz</p> <p>CF Step 1.60000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

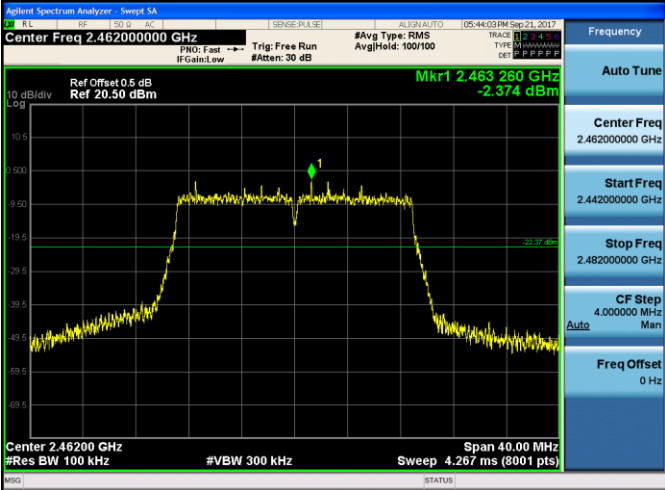
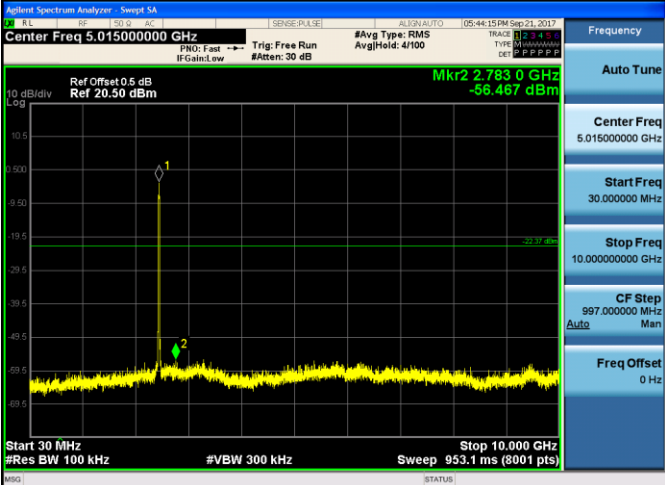

<p>CH06 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq: 2.437000000 GHz Ref Offset: 0.5 dB Ref: 20.50 dBm Mkr1: 2.441995 GHz 0.069 dBm Span: 40.00 MHz #Res BW: 100 kHz #VBW: 300 kHz Sweep: 4.267 ms (8001 pts)</p>
<p>CH06 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq: 5.015000000 GHz Ref Offset: 0.5 dB Ref: 20.50 dBm Mkr2: 6.2812 GHz -55.397 dBm Start: 30 MHz Stop: 10.000 GHz #Res BW: 100 kHz #VBW: 300 kHz Sweep: 953.1 ms (8001 pts)</p>
<p>CH06 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq: 18.000000000 GHz Ref Offset: 0.5 dB Ref: 20.50 dBm Mkr1: 25.424 GHz -45.797 dBm Start: 10.000 GHz Stop: 26.000 GHz #Res BW: 100 kHz #VBW: 300 kHz Sweep: 1.530 s (8001 pts)</p>

<p>CH11 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.46200000 GHz</p> <p>Ref Offset 0.5 dB Ref 20.50 dBm</p> <p>Mkr1 2.464 485 GHz -0.924 dBm</p> <p>Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.46200000 GHz</p> <p>Start Freq 2.44200000 GHz</p> <p>Stop Freq 2.48200000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH11 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 5.01500000 GHz</p> <p>Ref Offset 0.5 dB Ref 20.50 dBm</p> <p>Mkr2 3.159 3 GHz -55.573 dBm</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 953.1 ms (8001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.01500000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 10.00000000 GHz</p> <p>CF Step 997.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH11 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 18.00000000 GHz</p> <p>Ref Offset 0.5 dB Ref 20.50 dBm</p> <p>Mkr1 25.350 GHz -45.976 dBm</p> <p>Start 10.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.530 s (8001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 18.00000000 GHz</p> <p>Start Freq 10.00000000 GHz</p> <p>Stop Freq 26.00000000 GHz</p> <p>CF Step 1.60000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

Test Item:	SE	Type:	802.11 n(HT20)
<p>CH01 Reference Level</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.41200000 GHz</p> <p>Start Freq 2.39200000 GHz</p> <p>Stop Freq 2.43200000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH01 30MHz~10GHz</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.01500000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 10.00000000 GHz</p> <p>CF Step 997.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH01 10GHz~26GHz</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 18.00000000 GHz</p> <p>Start Freq 10.00000000 GHz</p> <p>Stop Freq 26.00000000 GHz</p> <p>CF Step 1.60000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>



<p>CH06 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq: 2.437000000 GHz #Res BW: 100 kHz #VBW: 300 kHz Sweep: 4.267 ms (8001 pts) Mkr1: 2.444 510 GHz -1.897 dBm</p>
<p>CH06 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq: 5.015000000 GHz Start: 30 MHz Stop: 10.000 GHz #Res BW: 100 kHz #VBW: 300 kHz Sweep: 953.1 ms (8001 pts) Mkr2: 6.977 8 GHz -56.364 dBm</p>
<p>CH06 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq: 18.000000000 GHz Start: 10.000 GHz Stop: 26.000 GHz #Res BW: 100 kHz #VBW: 300 kHz Sweep: 1.530 s (8001 pts) Mkr1: 25.522 GHz -43.365 dBm</p>

<p>CH11 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.46200000 GHz Mkr1 2.463 260 GHz -2.374 dBm Span 40.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>
<p>CH11 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 5.015000000 GHz Mkr2 2.783 0 GHz -56.467 dBm Start 30 MHz Stop 10.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 953.1 ms (8001 pts)</p>
<p>CH11 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 18.000000000 GHz Mkr1 25.494 GHz -45.655 dBm Start 10.000 GHz Stop 26.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.530 s (8001 pts)</p>

### 5.8. Spurious Emissions (radiated)

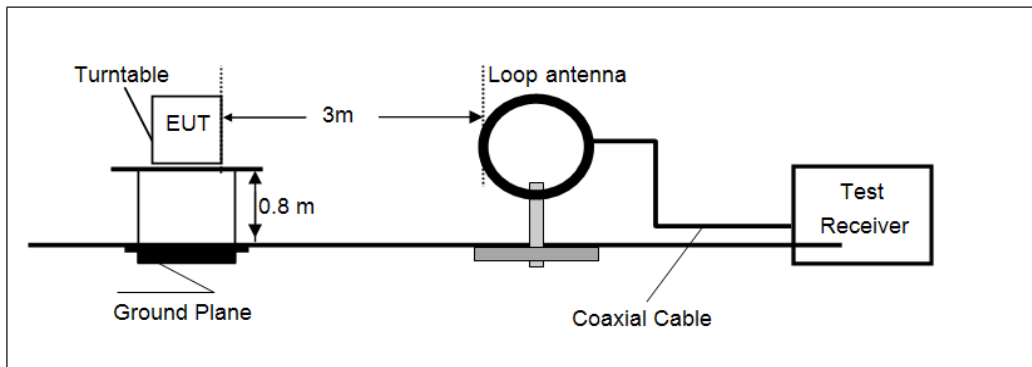
#### LIMIT

#### FCC CFR Title 47 Part 15 Subpart C Section 15.209

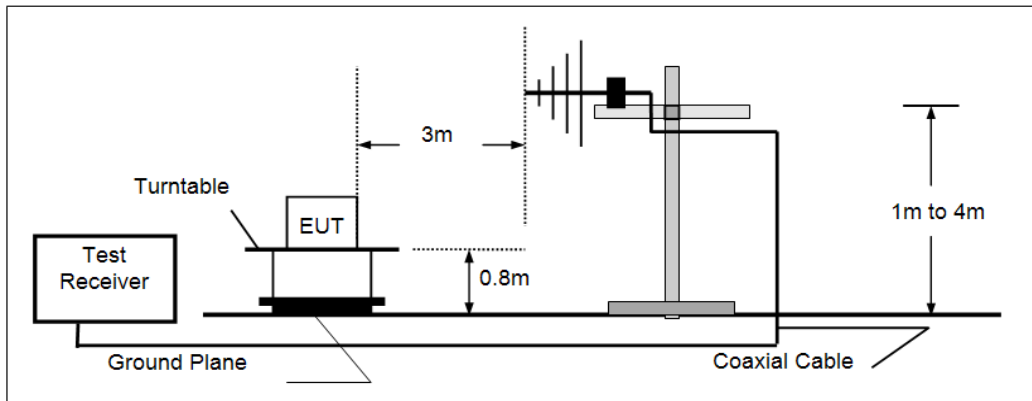
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

#### TEST CONFIGURATION

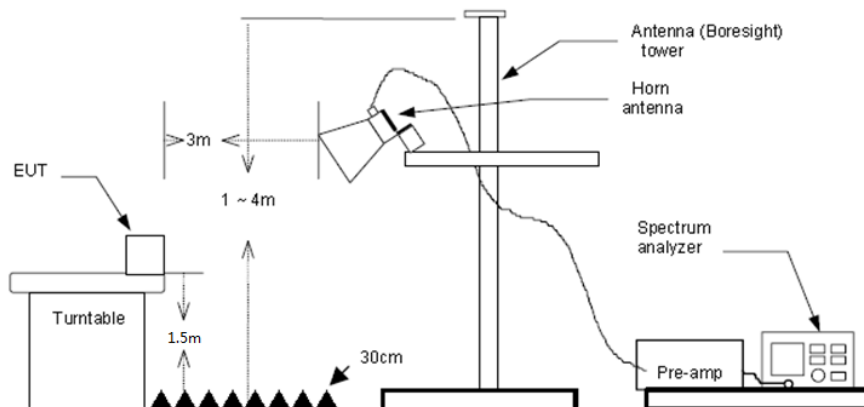
- 9kHz ~30MHz



- 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**

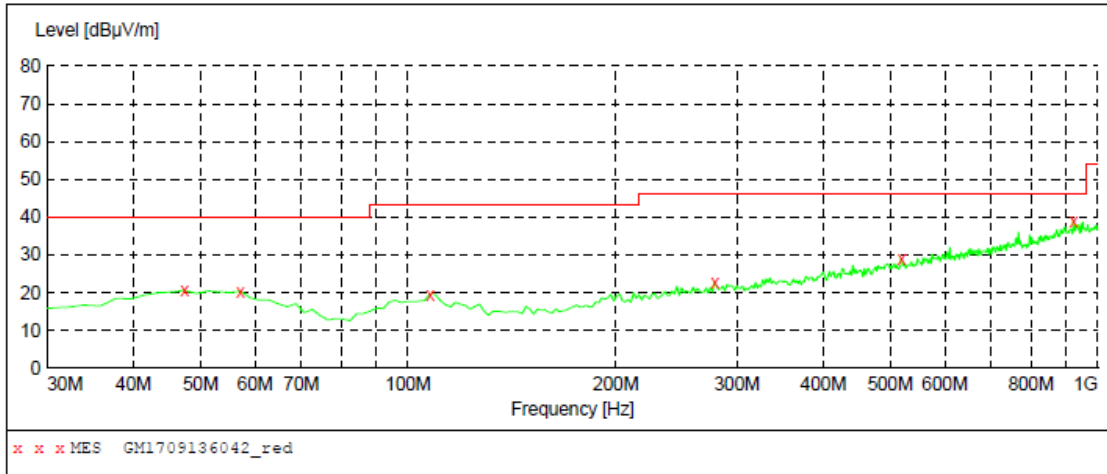
The EUT was pre-scanned the frequency band (9kHz~30MHz), found the radiated level lower than the limit, so don't show on the report.

➤ **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

Polarization: Vertical

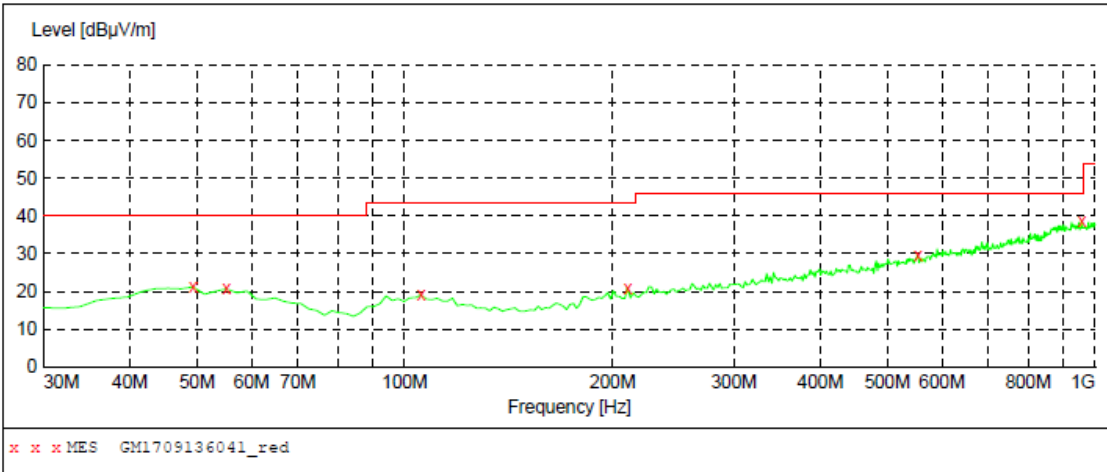


**MEASUREMENT RESULT: "GM1709136042\_red"**

9/13/2017 4:23PM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
47.460000	20.70	-8.8	40.0	19.3	QP	100.0	81.00	VERTICAL
57.160000	20.40	-9.4	40.0	19.6	QP	100.0	212.00	VERTICAL
107.600000	19.60	-10.6	43.5	23.9	QP	100.0	41.00	VERTICAL
278.320000	22.60	-7.8	46.0	23.4	QP	100.0	269.00	VERTICAL
518.880000	29.10	-1.3	46.0	16.9	QP	100.0	14.00	VERTICAL
922.400000	39.00	7.0	46.0	7.0	QP	100.0	269.00	VERTICAL

Polarization: Horizontal



**MEASUREMENT RESULT: "GM1709136041\_red"**

9/13/2017 4:21PM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
49.400000	21.20	-8.7	40.0	18.8	QP	300.0	360.00	HORIZONTAL
55.220000	20.70	-9.2	40.0	19.3	QP	100.0	220.00	HORIZONTAL
105.660000	19.10	-10.5	43.5	24.4	QP	300.0	0.00	HORIZONTAL
210.420000	21.00	-10.5	43.5	22.5	QP	300.0	274.00	HORIZONTAL
553.800000	29.50	-0.7	46.0	16.5	QP	100.0	114.00	HORIZONTAL
957.320000	38.70	7.3	46.0	7.3	QP	100.0	156.00	HORIZONTAL

## ➤ Above 1 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
1809.61	-70.19	25.39	5.97	37.15	-75.98	-32.99	-42.99	Vertical	Peak
3208.66	-70.41	28.75	7.73	38.22	-72.15	-32.99	-39.16	Vertical	Peak
4785.08	-73.34	31.54	9.53	36.98	-69.25	-32.99	-36.26	Vertical	Peak
7451.57	-74.26	36.20	12.24	34.86	-60.68	-32.99	-27.69	Vertical	Peak
2246.74	35.38	27.78	6.52	37.47	32.21	74.00	-41.79	Horizontal	Peak
3489.84	36.77	28.92	8.10	38.42	35.37	74.00	-38.63	Horizontal	Peak
4421.99	34.46	30.54	9.17	37.52	36.65	74.00	-37.35	Horizontal	Peak
6267.19	33.44	33.03	11.00	35.30	42.17	74.00	-31.83	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
2212.68	35.70	27.58	6.46	37.38	32.36	74.00	-41.64	Vertical	Peak
3120.06	36.43	28.80	7.62	38.21	34.64	74.00	-39.36	Vertical	Peak
4676.70	34.69	31.13	9.49	37.13	38.18	74.00	-35.82	Vertical	Peak
6511.12	32.70	34.02	11.20	35.34	42.58	74.00	-31.42	Vertical	Peak
2118.97	36.04	26.85	6.37	37.32	31.94	74.00	-42.06	Horizontal	Peak
3120.06	36.43	28.80	7.62	38.21	34.64	74.00	-39.36	Horizontal	Peak
5034.99	32.77	31.64	9.70	36.37	37.74	74.00	-36.26	Horizontal	Peak
8083.96	32.35	37.02	12.50	34.54	47.33	74.00	-26.67	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
2304.66	36.16	28.08	6.61	37.63	33.22	74.00	-40.78	Vertical	Peak
3088.45	37.33	28.78	7.59	38.22	35.48	74.00	-38.52	Vertical	Peak
4310.85	41.41	30.23	9.05	37.60	43.09	74.00	-30.91	Vertical	Peak
4310.85	41.41	30.23	9.05	37.60	43.09	74.00	-30.91	Vertical	Peak
1732.97	37.77	25.27	5.83	37.00	31.87	74.00	-42.13	Horizontal	Peak
3088.45	37.33	28.78	7.59	38.22	35.48	74.00	-38.52	Horizontal	Peak
4310.85	41.41	30.23	9.05	37.60	43.09	74.00	-30.91	Horizontal	Peak
6851.19	32.77	34.36	11.66	34.94	43.85	74.00	-30.15	Horizontal	Peak

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies 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
2281.32	36.22	27.99	6.57	37.57	33.21	74.00	-40.79	Vertical	Peak
3607.26	35.94	29.30	8.28	38.27	35.25	74.00	-38.75	Vertical	Peak
5099.49	33.92	31.90	9.75	36.30	39.27	74.00	-34.73	Vertical	Peak
7663.17	32.58	36.14	12.89	35.01	46.60	74.00	-27.40	Vertical	Peak
1680.83	36.43	25.14	5.73	36.89	30.41	74.00	-43.59	Horizontal	Peak
3010.83	36.85	28.62	7.49	38.23	34.73	74.00	-39.27	Horizontal	Peak
5112.49	33.74	31.85	9.76	36.29	39.06	74.00	-34.94	Horizontal	Peak
7172.41	32.19	36.04	11.86	35.04	45.05	74.00	-28.95	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
1232.12	37.33	26.27	4.71	36.55	31.76	74.00	-42.24	Vertical	Peak
3041.64	37.00	28.68	7.53	38.22	34.99	74.00	-39.01	Vertical	Peak
4920.96	35.74	31.42	9.62	36.62	40.16	74.00	-33.84	Vertical	Peak
8527.85	33.11	37.01	12.88	34.43	48.57	74.00	-25.43	Vertical	Peak
2212.68	36.17	27.58	6.46	37.38	32.83	74.00	-41.17	Horizontal	Peak
3080.60	37.11	28.76	7.58	38.22	35.23	74.00	-38.77	Horizontal	Peak
4920.96	36.76	31.42	9.62	36.62	41.18	74.00	-32.82	Horizontal	Peak
8527.85	33.11	37.01	12.88	34.43	48.57	74.00	-25.43	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
1213.44	37.24	26.29	4.68	36.56	31.65	74.00	-42.35	Vertical	Peak
3026.20	37.52	28.65	7.51	38.23	35.45	74.00	-38.55	Vertical	Peak
4920.96	39.25	31.42	9.62	36.62	43.67	74.00	-30.33	Vertical	Peak
7376.08	33.05	36.30	12.04	34.85	46.54	74.00	-27.46	Vertical	Peak
1213.44	37.24	26.29	4.68	36.56	31.65	74.00	-42.35	Horizontal	Peak
3634.91	35.55	29.30	8.31	38.26	34.90	74.00	-39.10	Horizontal	Peak
4996.69	34.16	31.50	9.67	36.41	38.92	74.00	-35.08	Horizontal	Peak
6851.19	32.98	34.36	11.66	34.94	44.06	74.00	-29.94	Horizontal	Peak

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies 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
2281.32	36.22	27.99	6.57	37.57	33.21	74.00	-40.79	Vertical	Peak
3607.26	35.94	29.30	8.28	38.27	35.25	74.00	-38.75	Vertical	Peak
5099.49	33.92	31.90	9.75	36.30	39.27	74.00	-34.73	Vertical	Peak
7663.17	32.58	36.14	12.89	35.01	46.60	74.00	-27.40	Vertical	Peak
1680.83	36.43	25.14	5.73	36.89	30.41	74.00	-43.59	Horizontal	Peak
3010.83	36.85	28.62	7.49	38.23	34.73	74.00	-39.27	Horizontal	Peak
5112.49	33.74	31.85	9.76	36.29	39.06	74.00	-34.94	Horizontal	Peak
7172.41	32.19	36.04	11.86	35.04	45.05	74.00	-28.95	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
1232.12	37.33	26.27	4.71	36.55	31.76	74.00	-42.24	Vertical	Peak
3041.64	37.00	28.68	7.53	38.22	34.99	74.00	-39.01	Vertical	Peak
4920.96	35.74	31.42	9.62	36.62	40.16	74.00	-33.84	Vertical	Peak
8527.85	33.11	37.01	12.88	34.43	48.57	74.00	-25.43	Vertical	Peak
2212.68	36.17	27.58	6.46	37.38	32.83	74.00	-41.17	Horizontal	Peak
3080.60	37.11	28.76	7.58	38.22	35.23	74.00	-38.77	Horizontal	Peak
4920.96	36.76	31.42	9.62	36.62	41.18	74.00	-32.82	Horizontal	Peak
8527.85	33.11	37.01	12.88	34.43	48.57	74.00	-25.43	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
1213.44	37.24	26.29	4.68	36.56	31.65	74.00	-42.35	Vertical	Peak
3026.20	37.52	28.65	7.51	38.23	35.45	74.00	-38.55	Vertical	Peak
4920.96	39.25	31.42	9.62	36.62	43.67	74.00	-30.33	Vertical	Peak
7376.08	33.05	36.30	12.04	34.85	46.54	74.00	-27.46	Vertical	Peak
1213.44	37.24	26.29	4.68	36.56	31.65	74.00	-42.35	Horizontal	Peak
3634.91	35.55	29.30	8.31	38.26	34.90	74.00	-39.10	Horizontal	Peak
4996.69	34.16	31.50	9.67	36.41	38.92	74.00	-35.08	Horizontal	Peak
6851.19	32.98	34.36	11.66	34.94	44.06	74.00	-29.94	Horizontal	Peak

## Remark:

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



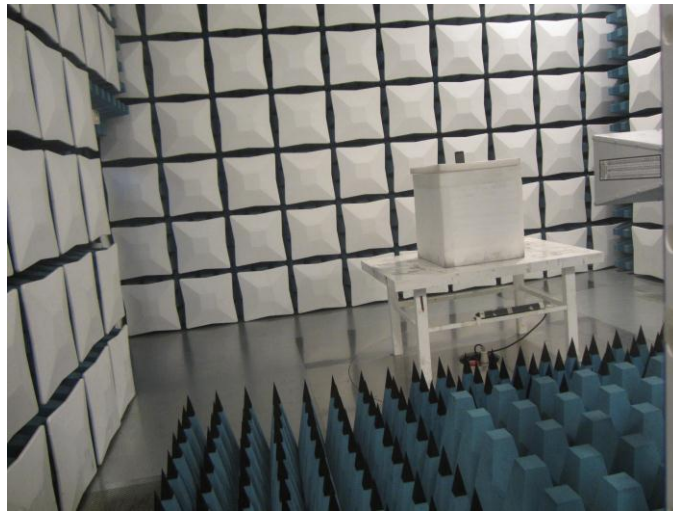
## 6. TEST SETUP PHOTOS

### Conducted Emissions



### Radiated Emissions





## **7. EXTERANAL AND INTERNAL PHOTOS**

Reference to Test Report No.: TRE1709004201.

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