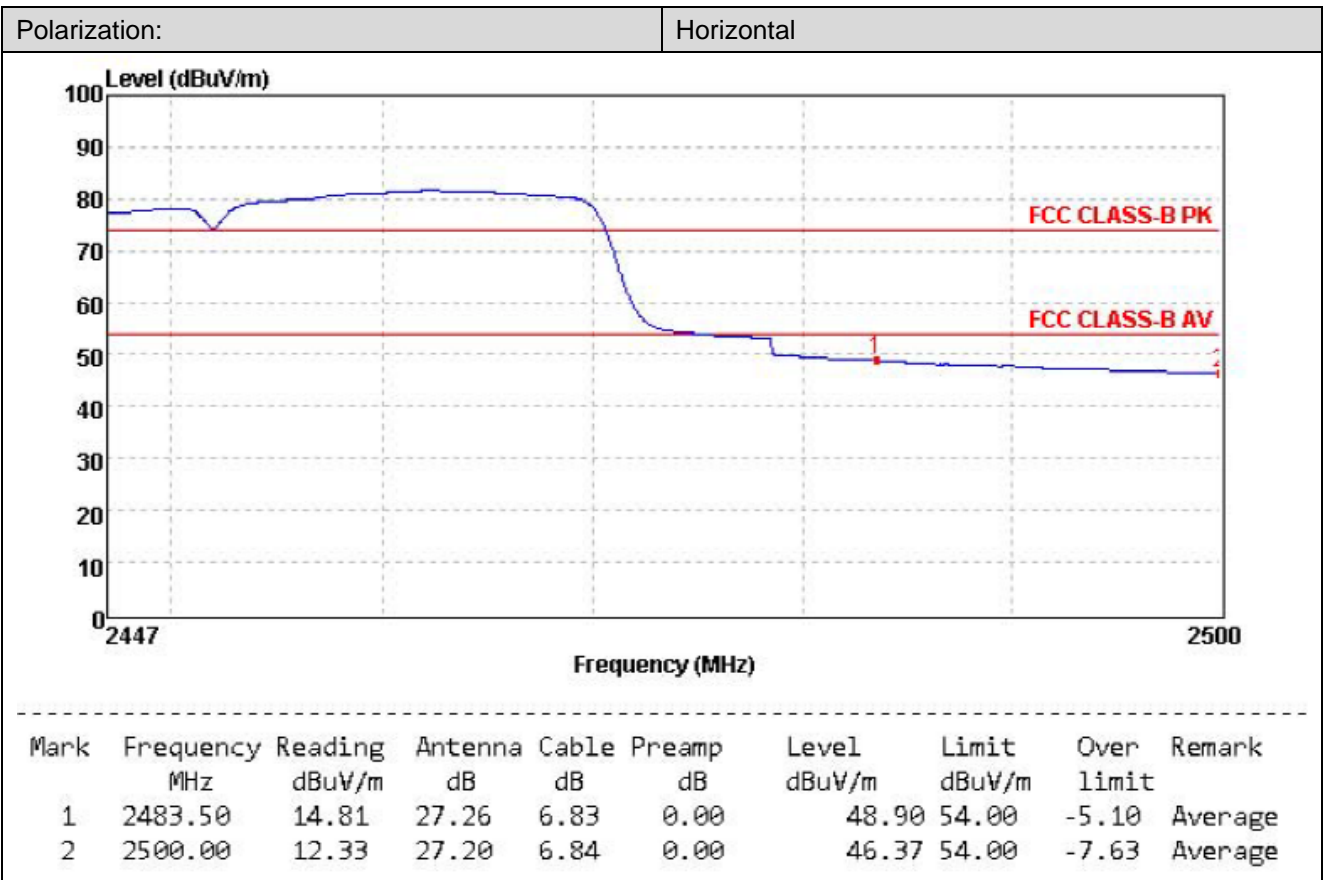
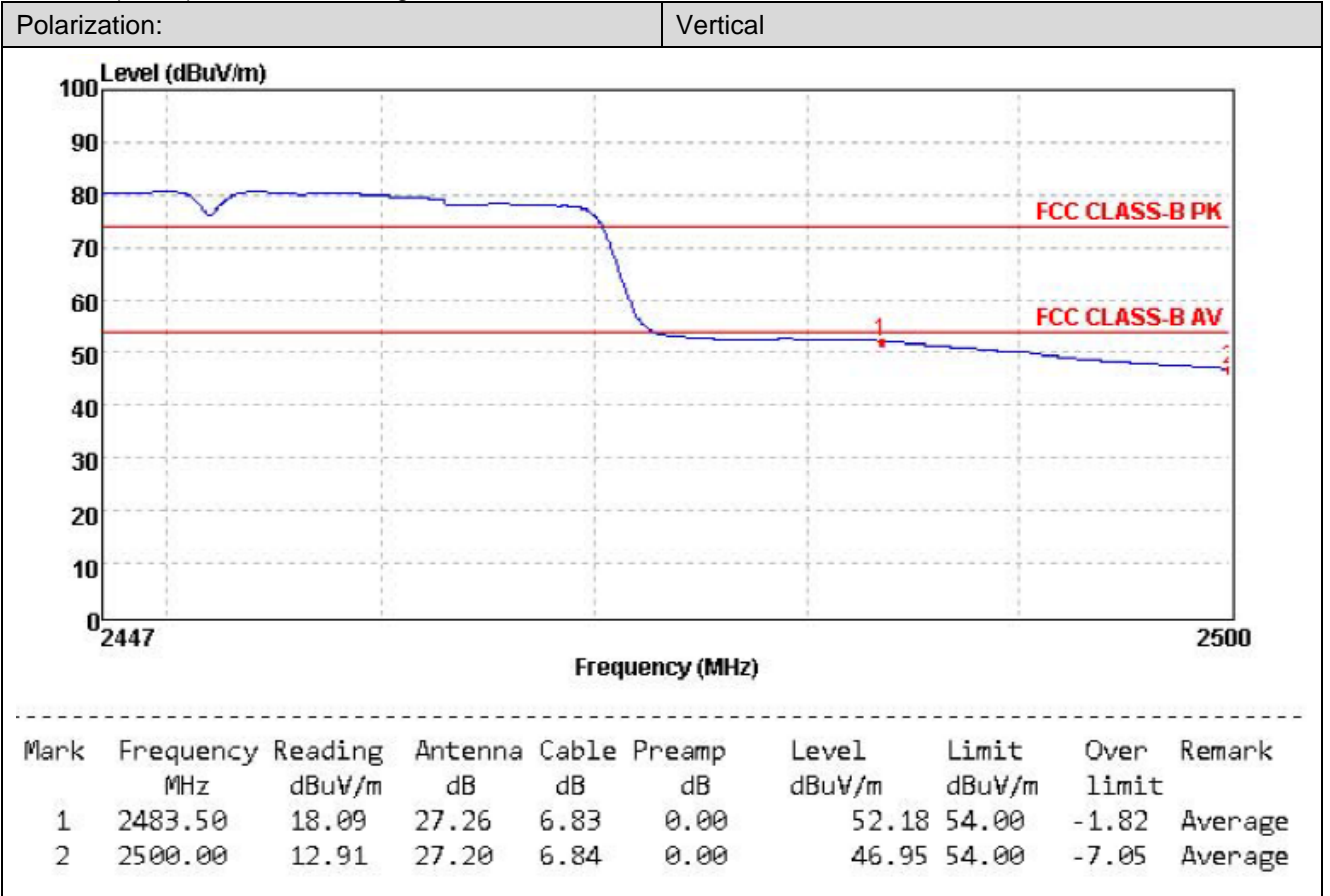


802.11n(HT40)-2452MHz Average:

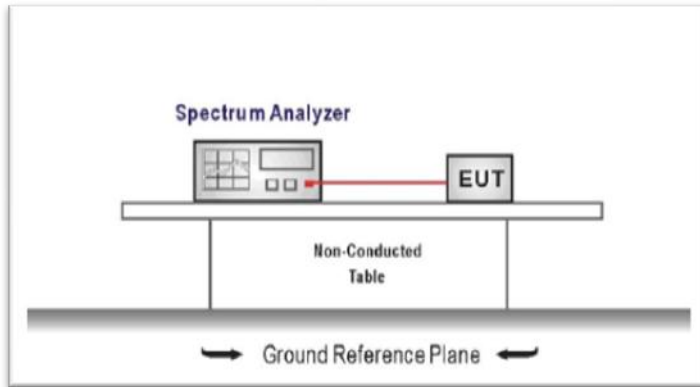


5.7. Band edge and Spurious Emissions (conducted)

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

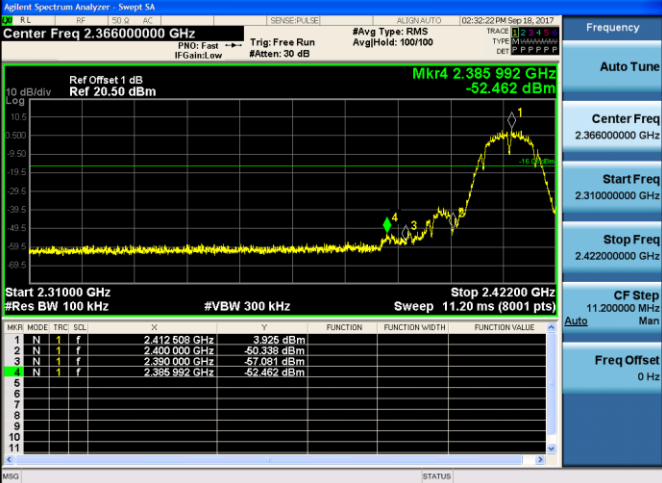

Note: the channel found to contain the maximum PSD level can be used to establish the reference level.
3. Emission level measurement
Set the center frequency and span to encompass frequency range to be measured
RBW = 100 kHz, VBW \geq 3 x RBW
Detector = peak, Sweep time = auto couple, Trace mode = max 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.

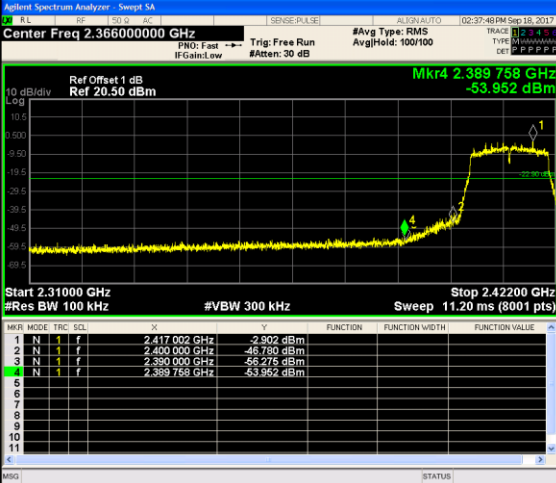
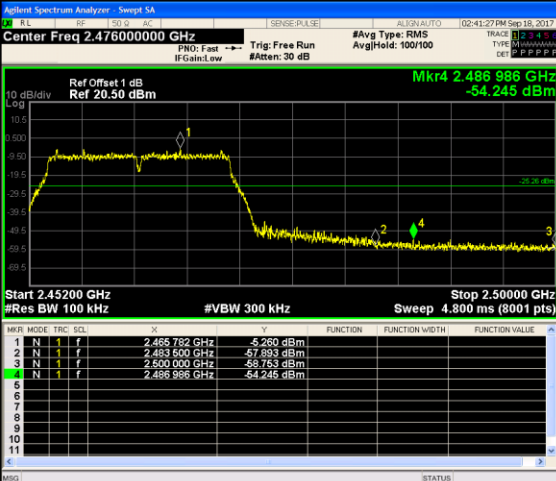
TEST MODE:

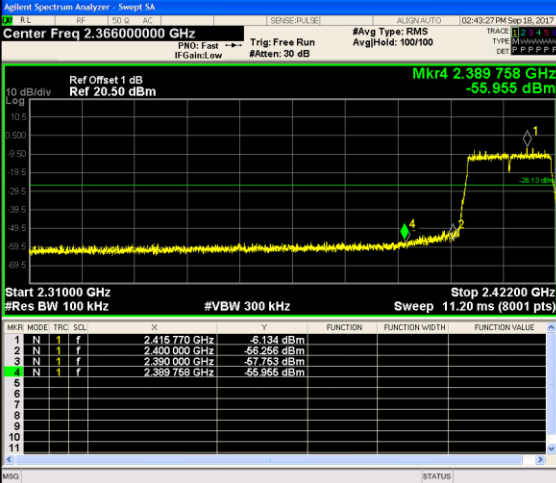
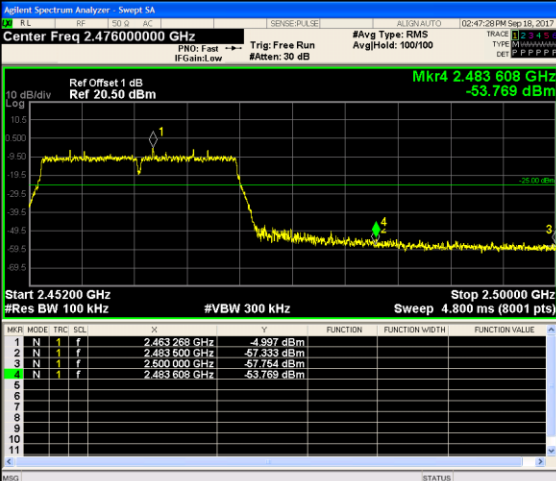
Please refer to the clause 3.3

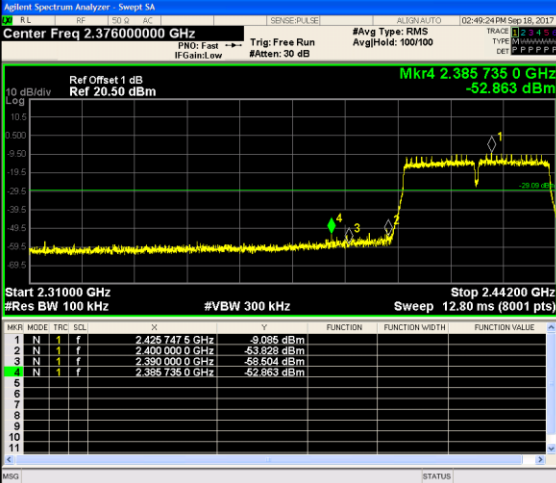
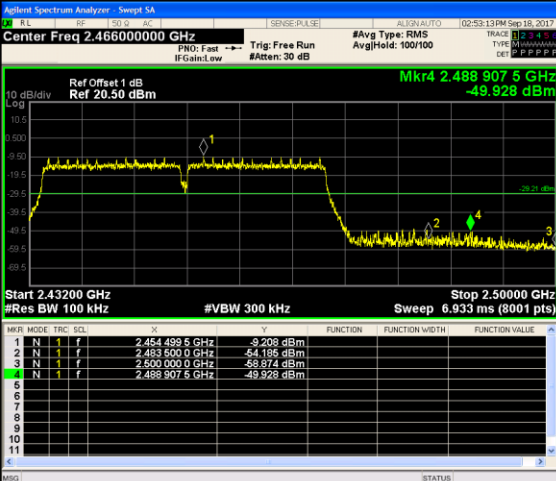
TEST RESULTS

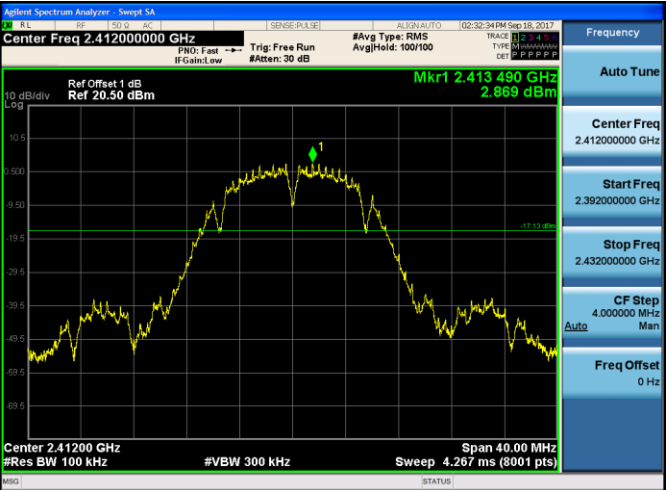
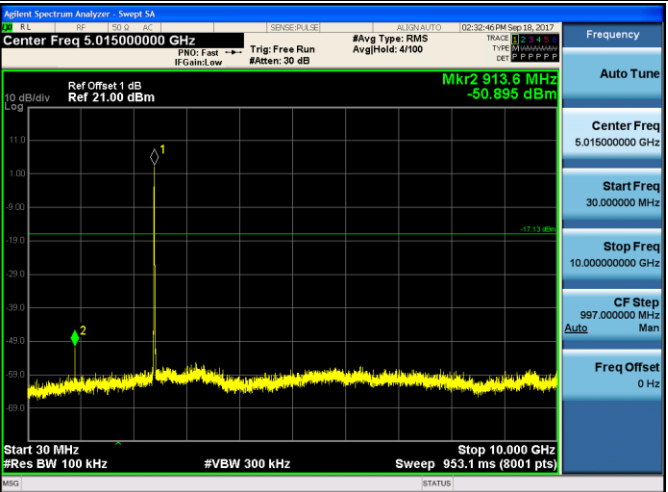

Passed Not Applicable

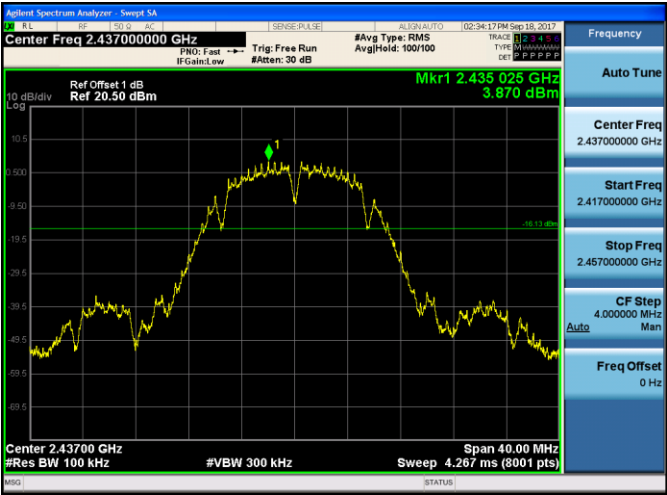
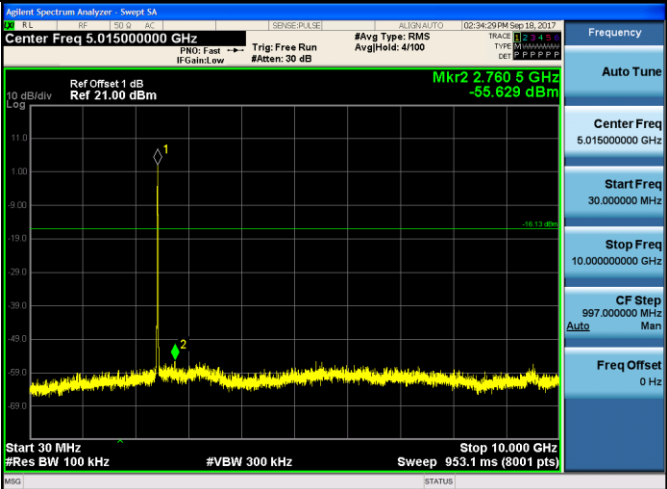

Test Item:	Bandedge	Type:	802.11 b																																													
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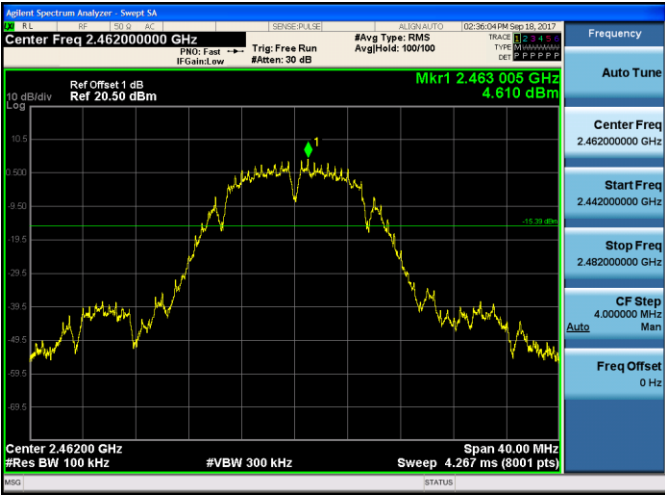
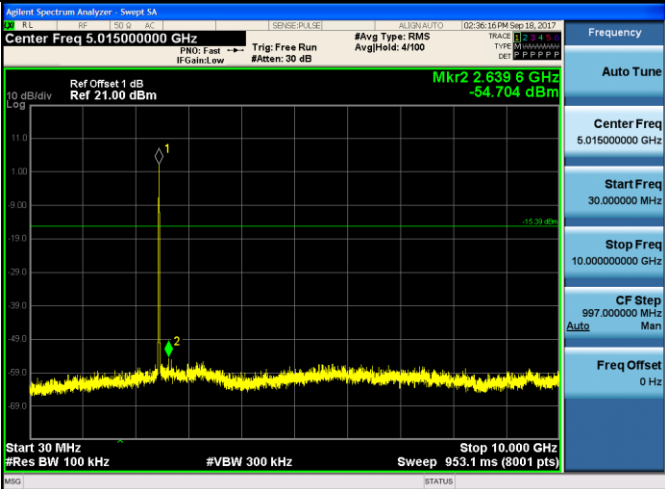
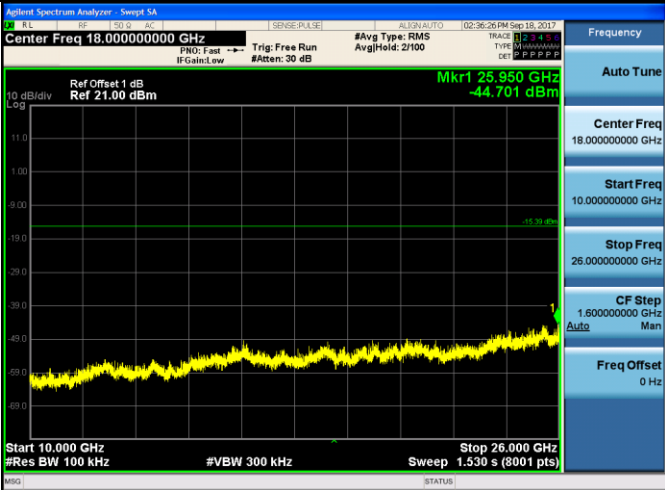
Test Item:	Bandedge	Type:	802.11 g									
CH01			<table border="1"> <tr><td>Frequency</td></tr> <tr><td>Auto Tune</td></tr> <tr><td>Center Freq 2.36600000 GHz</td></tr> <tr><td>Start Freq 2.31000000 GHz</td></tr> <tr><td>Stop Freq 2.42200000 GHz</td></tr> <tr><td>CF Step 11.200000 MHz</td></tr> <tr><td>Auto</td></tr> <tr><td>Man</td></tr> <tr><td>Freq Offset 0 Hz</td></tr> </table>	Frequency	Auto Tune	Center Freq 2.36600000 GHz	Start Freq 2.31000000 GHz	Stop Freq 2.42200000 GHz	CF Step 11.200000 MHz	Auto	Man	Freq Offset 0 Hz
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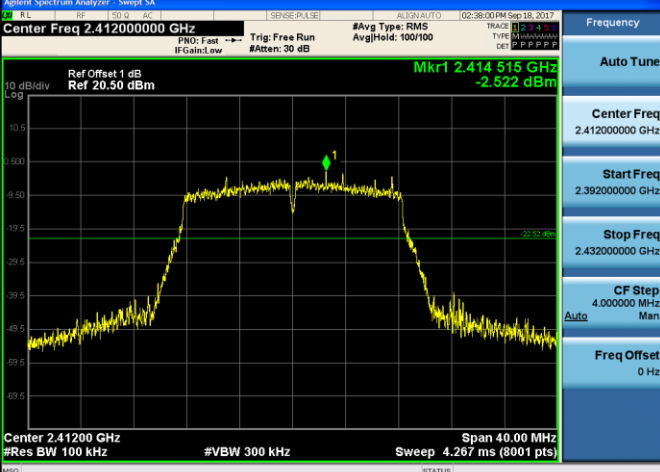
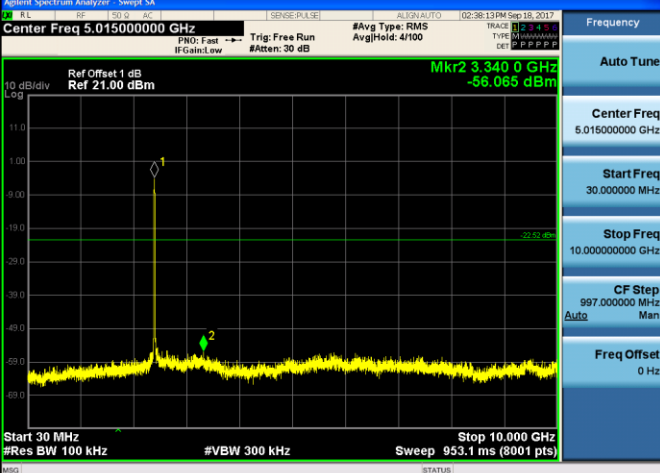
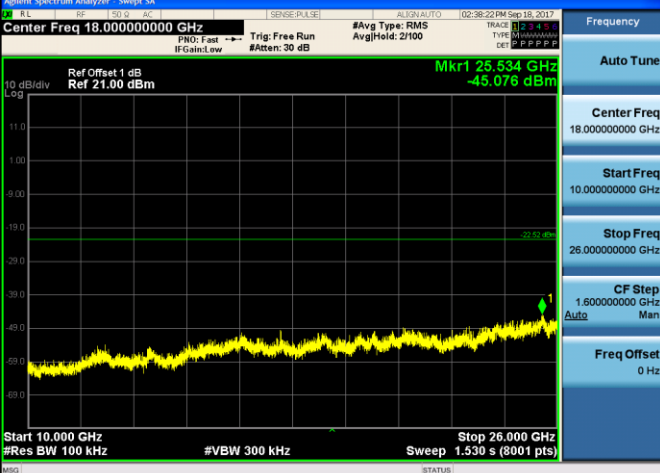
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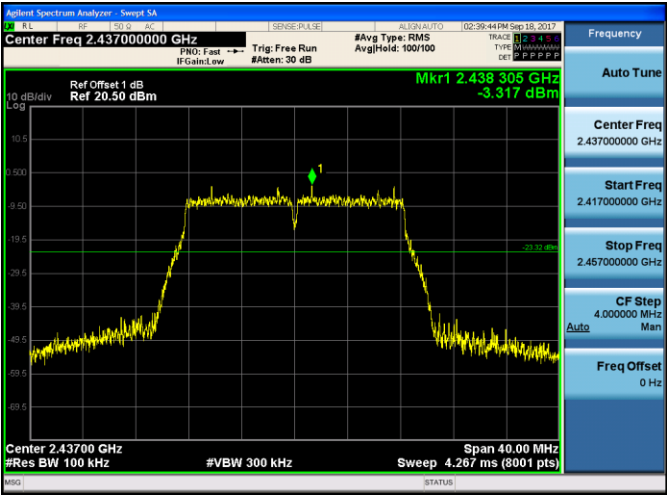
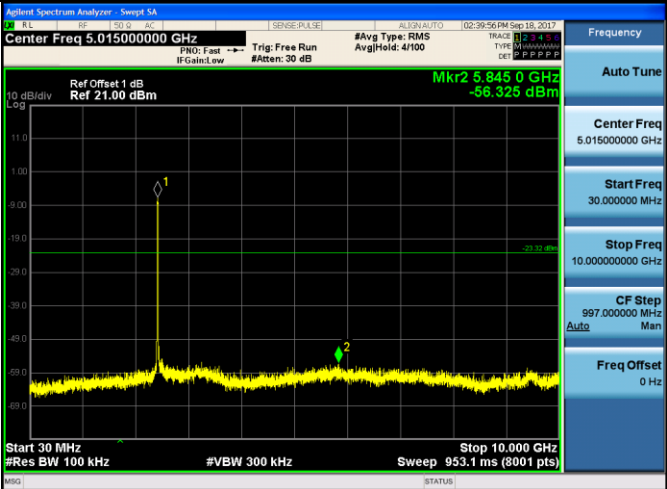

Test Item:	Bandedge	Type:	802.11 n(HT40)									
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CF Step 13.200000 MHz												
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Auto												
Freq Offset 0 Hz												
CH09			<table border="1"> <tr><td>Frequency</td></tr> <tr><td>Auto Tune</td></tr> <tr><td>Center Freq 2.466000000 GHz</td></tr> <tr><td>Start Freq 2.432000000 GHz</td></tr> <tr><td>Stop Freq 2.500000000 GHz</td></tr> <tr><td>CF Step 6.800000 MHz</td></tr> <tr><td>Man</td></tr> <tr><td>Auto</td></tr> <tr><td>Freq Offset 0 Hz</td></tr> </table>	Frequency	Auto Tune	Center Freq 2.466000000 GHz	Start Freq 2.432000000 GHz	Stop Freq 2.500000000 GHz	CF Step 6.800000 MHz	Man	Auto	Freq Offset 0 Hz
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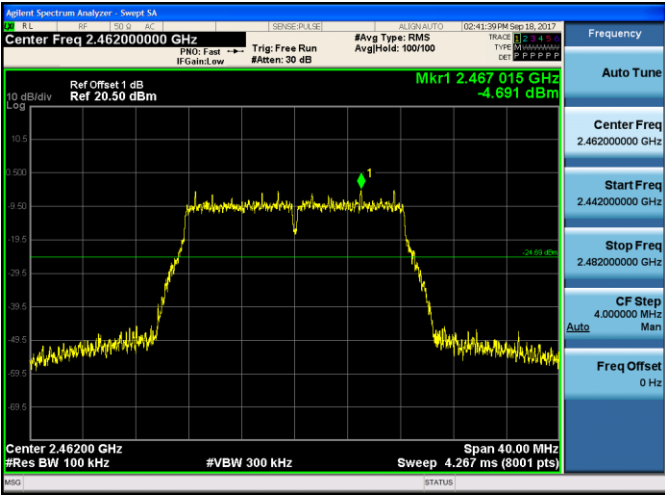
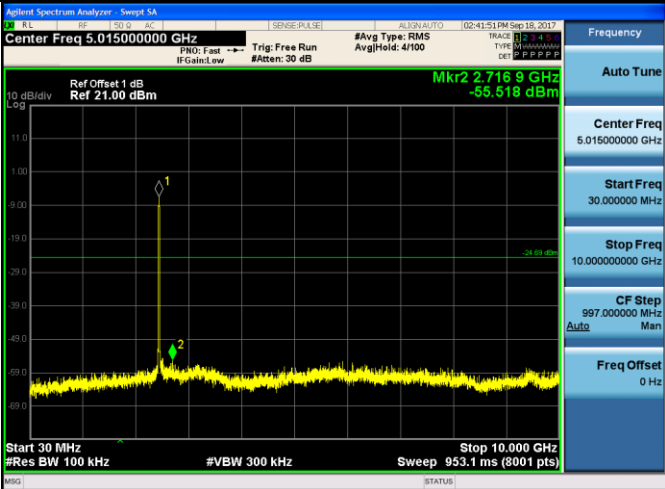

Test Item:	SE	Type:	802.11 b
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<p>CH01 30MHz~10GHz</p>			
<p>CH01 10GHz~26GHz</p>			

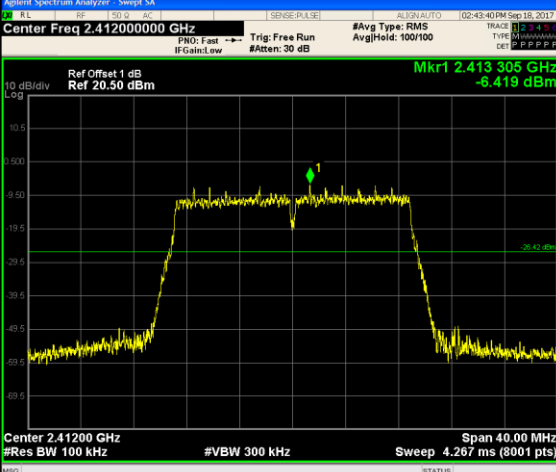
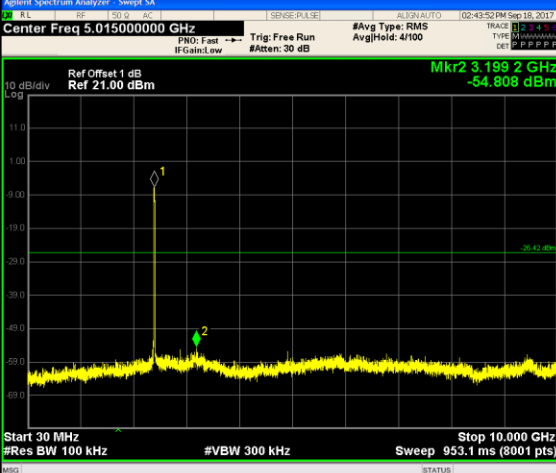
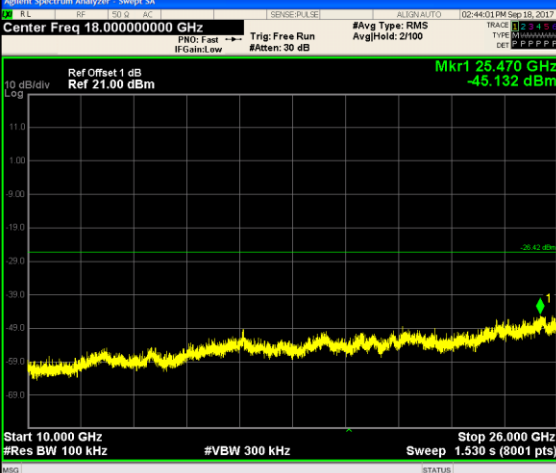
<p>CH06 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.43700000 GHz Ref Offset 1 dB Ref 20.50 dBm Mkr1 2.435 025 GHz 3.870 dBm Span 40.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>
<p>CH06 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 5.015000000 GHz Ref Offset 1 dB Ref 21.00 dBm Mkr2 2.760 5 GHz -55.629 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 1 dB Ref 21.00 dBm Mkr1 25.590 GHz -44.602 dBm Start 10.000 GHz Stop 26.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.530 s (8001 pts)</p>

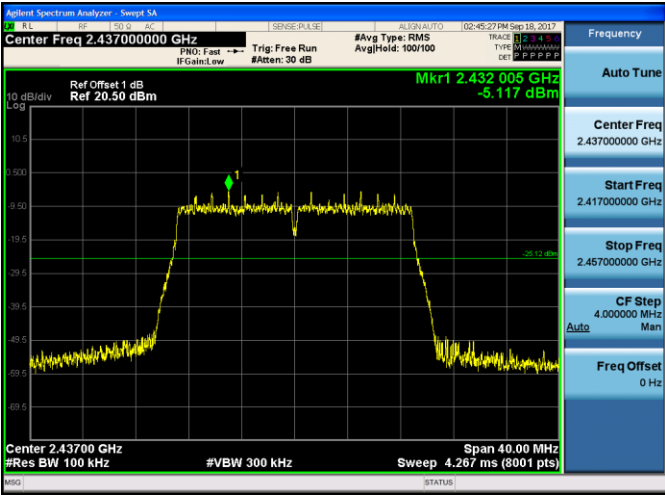
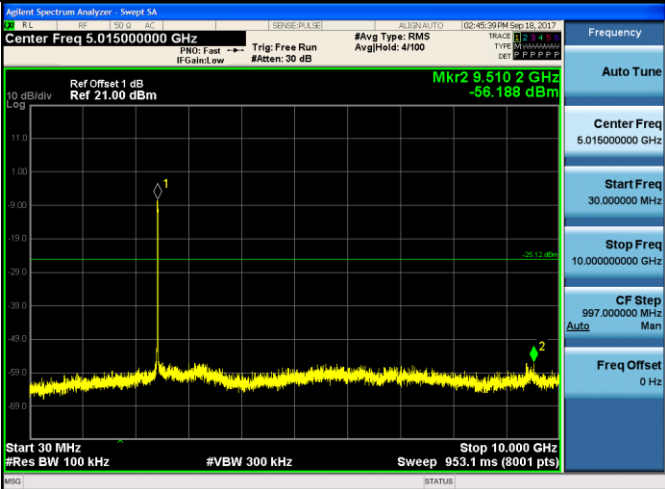

<p>CH11 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.46200000 GHz Ref Offset 1 dB Ref 20.50 dBm Mkr1 2.463 005 GHz 4.610 dBm Span 40.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>
<p>CH11 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 5.015000000 GHz Ref Offset 1 dB Ref 21.00 dBm Mkr2 2.639 6 GHz -54.704 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 Ref Offset 1 dB Ref 21.00 dBm Mkr1 25.950 GHz -44.701 dBm Start 10.000 GHz Stop 26.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.530 s (8001 pts)</p>

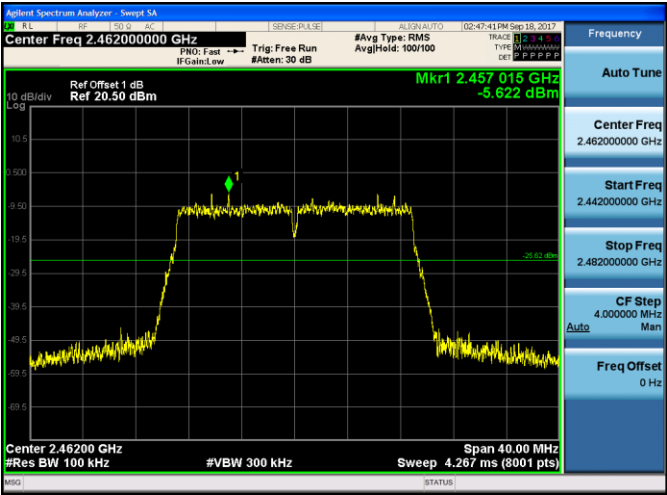
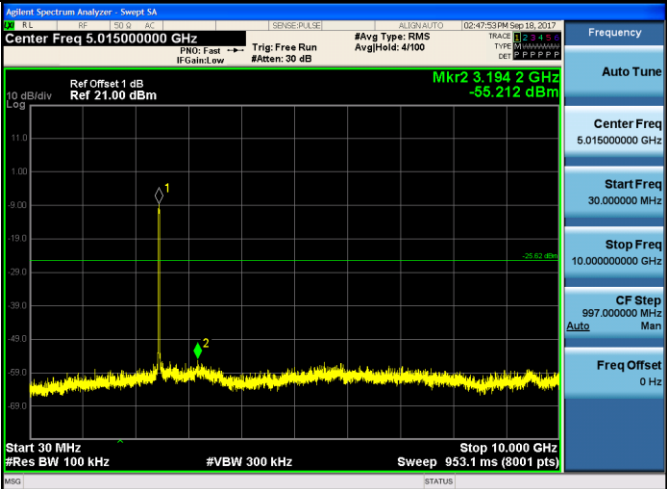

Test Item:	SE	Type:	802.11 g
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<p>CH01 30MHz~10GHz</p>			
<p>CH01 10GHz~26GHz</p>			

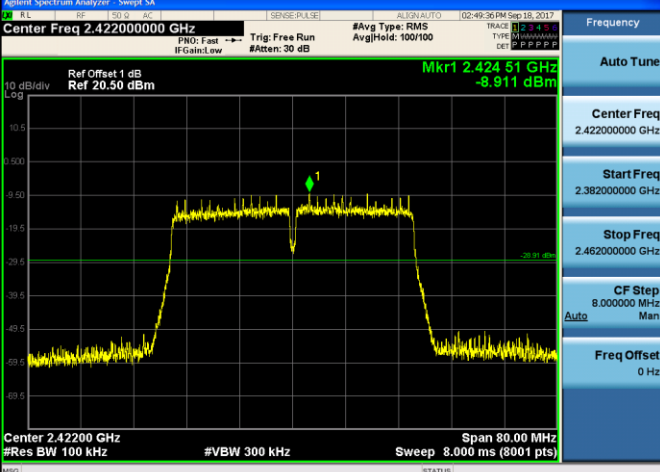
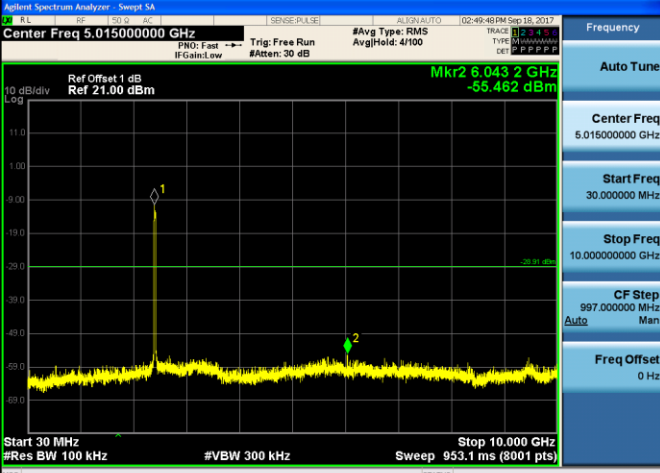
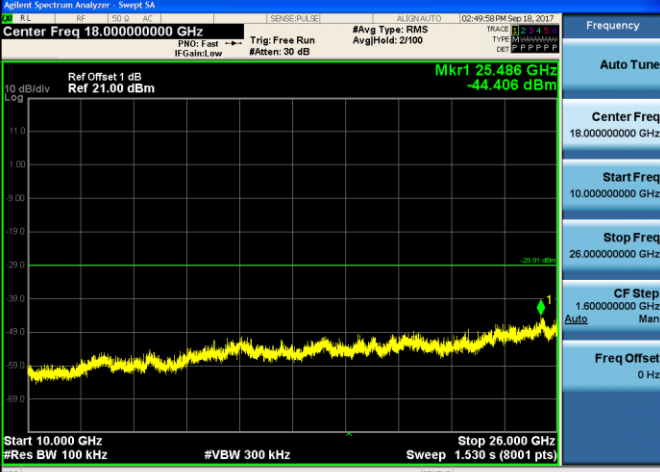
<p>CH06 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq: 2.437000000 GHz Ref Offset: 1 dB, Ref: 20.50 dBm Mkr1: 2.438 305 GHz, -3.317 dBm Span: 40.00 MHz, Sweep: 4.267 ms (8001 pts)</p>
<p>CH06 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq: 5.015000000 GHz Ref Offset: 1 dB, Ref: 21.00 dBm Mkr2: 5.845 0 GHz, -56.326 dBm Start: 30 MHz, Stop: 10.000 GHz, 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: 1 dB, Ref: 21.00 dBm Mkr1: 25.598 GHz, -44.968 dBm Start: 10.000 GHz, Stop: 26.000 GHz, Sweep: 1.530 s (8001 pts)</p>

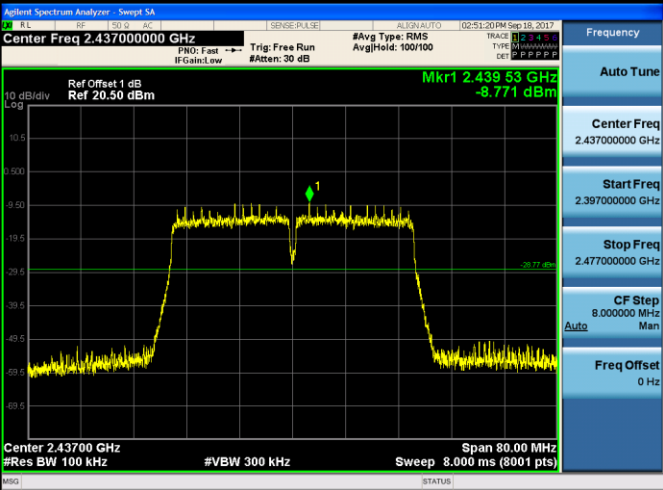
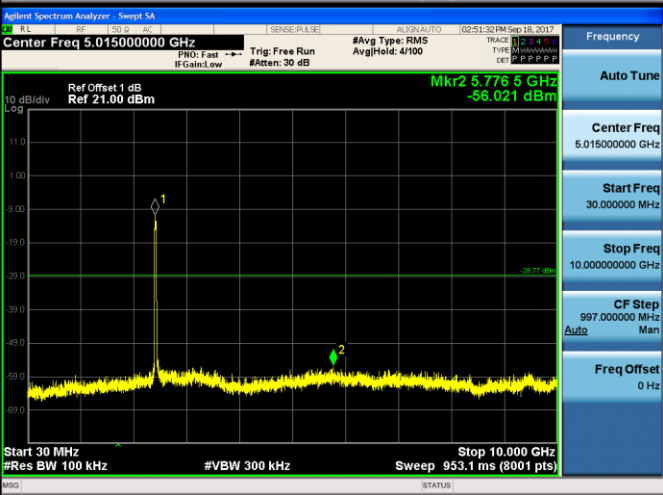

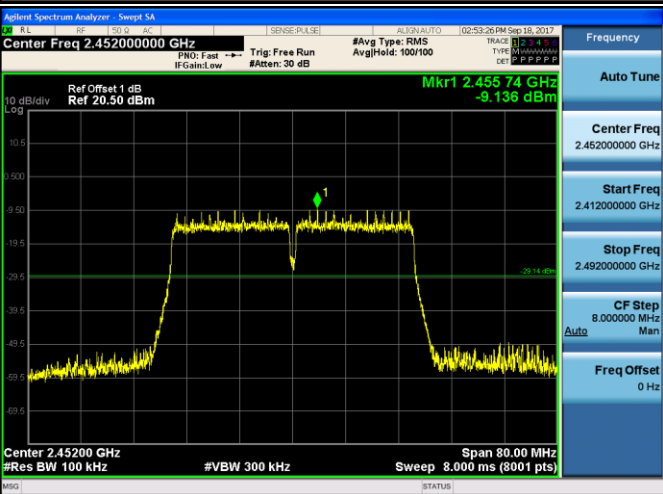
<p>CH11 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.46200000 GHz Ref Offset 1 dB Ref 20.50 dBm Mkr1 2.467 015 GHz -4.691 dBm Span 40.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>
<p>CH11 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 5.01500000 GHz Ref Offset 1 dB Ref 21.00 dBm Mkr2 2.716 9 GHz -55.518 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 18.00000000 GHz Ref Offset 1 dB Ref 21.00 dBm Mkr1 25.486 GHz -45.796 dBm Start 10.000 GHz Stop 26.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.530 s (8001 pts)</p>

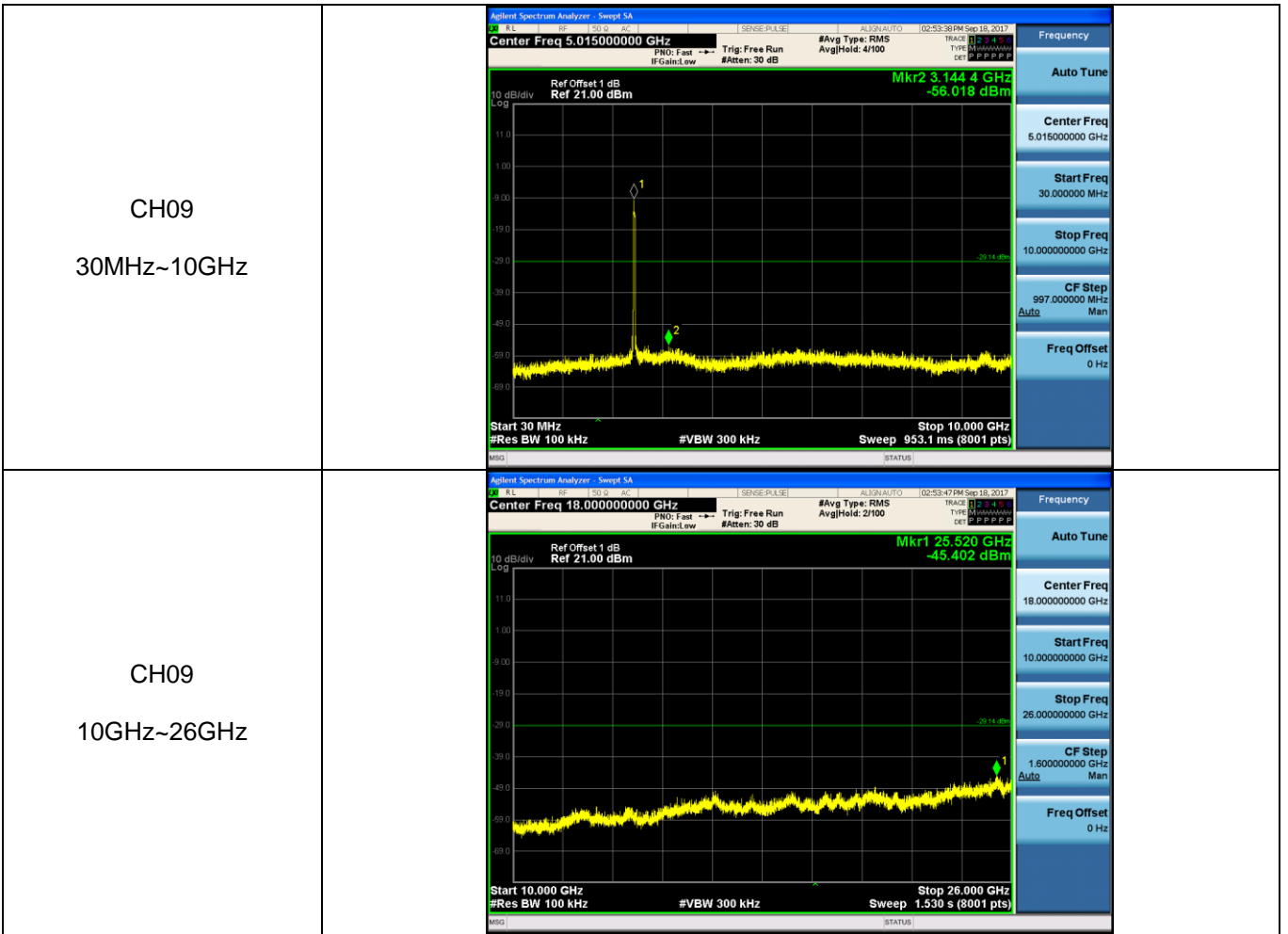
Test Item:	SE	Type:	802.11 n(HT20)
<p>CH01 Reference Level</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.412000000 GHz</p> <p>Start Freq 2.392000000 GHz</p> <p>Stop Freq 2.432000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH01 30MHz~10GHz</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.015000000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 10.000000000 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 18.000000000 GHz</p> <p>Start Freq 10.000000000 GHz</p> <p>Stop Freq 26.000000000 GHz</p> <p>CF Step 1.600000000 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 Mkr1: 2.432 005 GHz, -5.117 dBm Ref Offset: 1 dB, Ref: 20.50 dBm Span: 40.00 MHz Res BW: 100 kHz Sweep: 4.267 ms (8001 pts)</p>
<p>CH06 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq: 5.015000000 GHz Mkr2: 9.510 2 GHz, -56.188 dBm Ref Offset: 1 dB, Ref: 21.00 dBm Start: 30 MHz, Stop: 10.000 GHz Res BW: 100 kHz Sweep: 953.1 ms (8001 pts)</p>
<p>CH06 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq: 18.000000000 GHz Mkr1: 25.488 GHz, -45.680 dBm Ref Offset: 1 dB, Ref: 21.00 dBm Start: 10.000 GHz, Stop: 26.000 GHz Res BW: 100 kHz Sweep: 1.530 s (8001 pts)</p>

<p>CH11 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.46200000 GHz Ref Offset 1 dB Ref 20.50 dBm Mkr1 2.457 015 GHz -5.622 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 5.01500000 GHz Ref Offset 1 dB Ref 21.00 dBm Mkr2 3.194 2 GHz -55.212 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 18.00000000 GHz Ref Offset 1 dB Ref 21.00 dBm Mkr1 25.542 GHz -44.990 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 n(HT40)
<p>CH03 Reference Level</p>			
<p>CH03 30MHz~10GHz</p>			
<p>CH01 10GHz~26GHz</p>			

<p>CH06 Reference Level</p>	
<p>CH06 30MHz~10GHz</p>	
<p>CH06 10GHz~26GHz</p>	
<p>CH09 Reference Level</p>	



5.8. Spurious Emissions (radiated)

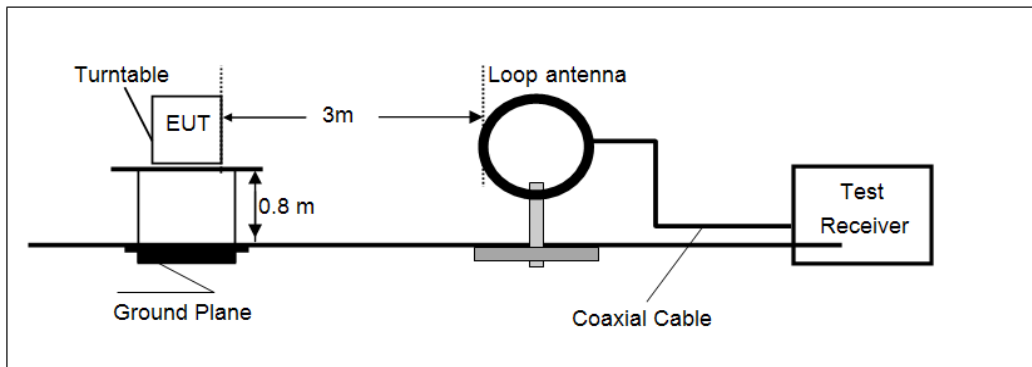
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

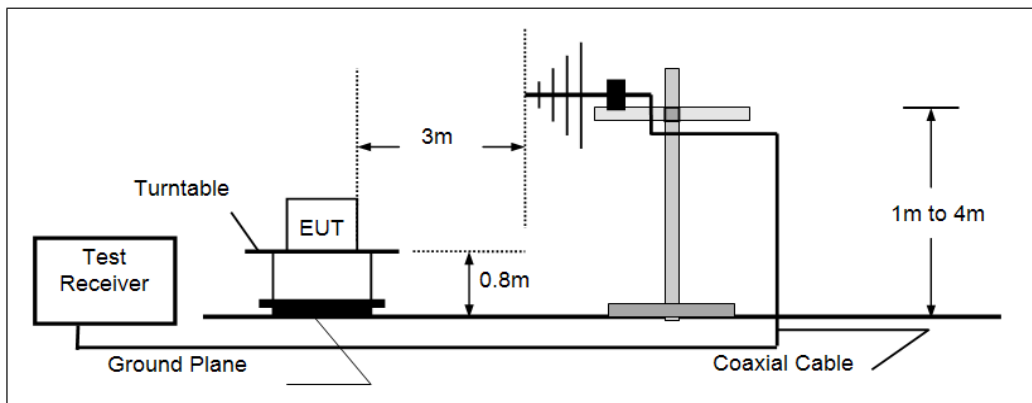
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

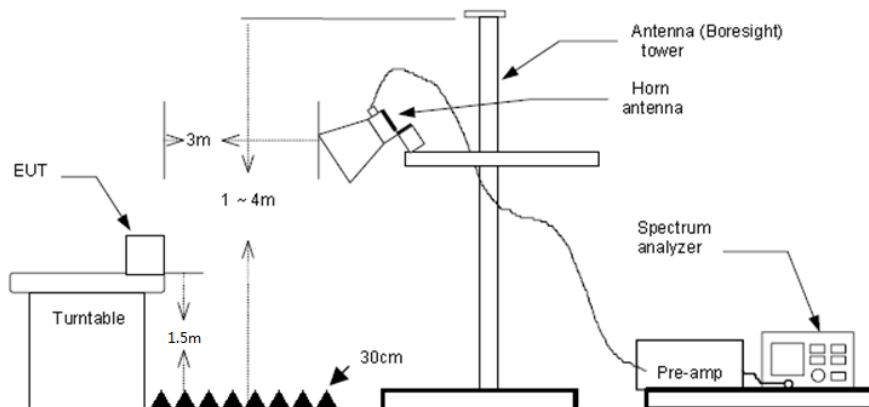
- 9kHz ~30MHz



- 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.

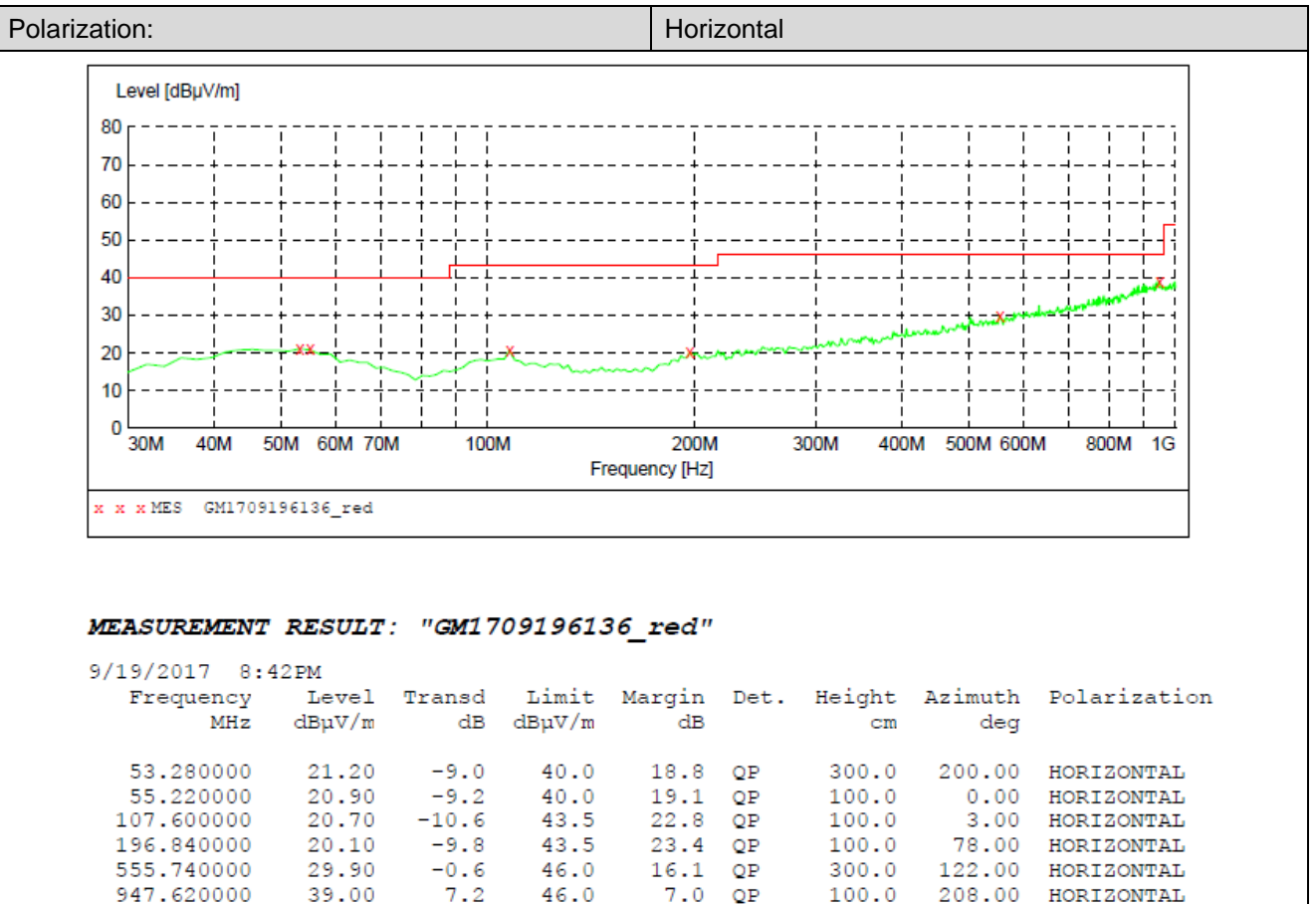
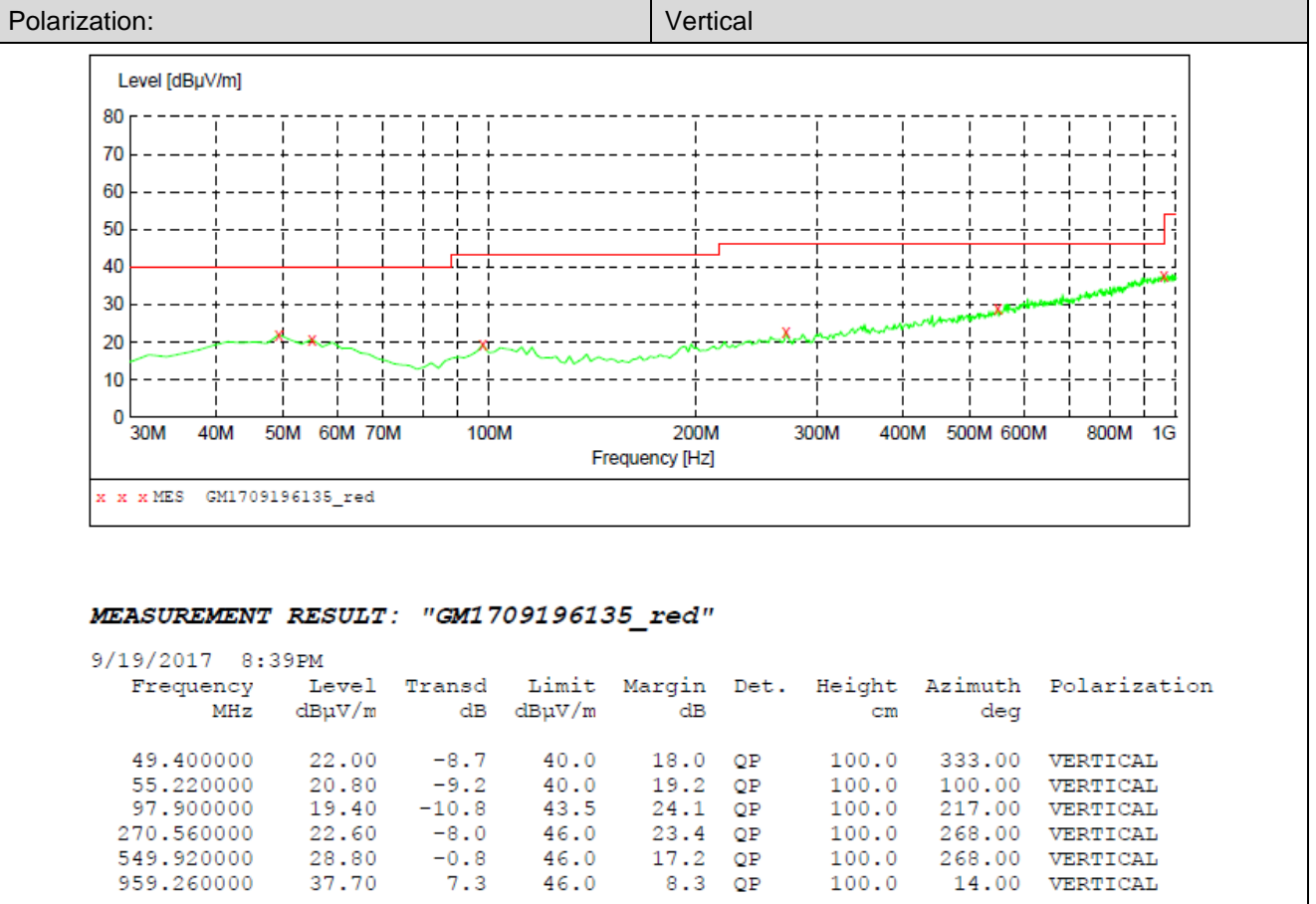
➤ **9kHz ~ 30MHz**

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



➤ 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
1225.86	36.80	26.27	4.70	36.56	31.21	74.00	-42.79	Vertical	Peak
3104.22	35.85	28.80	7.61	38.21	34.05	74.00	-39.95	Vertical	Peak
4821.76	35.86	31.56	9.55	36.90	40.07	74.00	-33.93	Vertical	Peak
7135.98	32.55	35.82	11.86	34.99	45.24	74.00	-28.76	Vertical	Peak
1719.78	36.62	25.24	5.80	36.97	30.69	74.00	-43.31	Horizontal	Peak
3151.99	36.50	28.80	7.66	38.21	34.75	74.00	-39.25	Horizontal	Peak
4821.76	37.31	31.56	9.55	36.90	41.52	74.00	-32.48	Horizontal	Peak
7154.17	31.95	35.93	11.86	35.01	44.73	74.00	-29.27	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
1746.25	36.54	25.29	5.86	37.03	30.66	74.00	-43.34	Vertical	Peak
3168.08	36.52	28.80	7.68	38.20	34.80	74.00	-39.20	Vertical	Peak
4871.10	34.62	31.46	9.59	36.76	38.91	74.00	-35.09	Vertical	Peak
6283.16	33.07	33.07	11.00	35.30	41.84	74.00	-32.16	Vertical	Peak
1750.70	34.79	25.30	5.86	37.04	28.91	74.00	-45.09	Horizontal	Peak
3480.97	35.28	28.85	8.09	38.44	33.78	74.00	-40.22	Horizontal	Peak
4871.10	33.47	31.46	9.59	36.76	37.76	74.00	-36.24	Horizontal	Peak
6833.77	31.66	34.24	11.64	34.96	42.58	74.00	-31.42	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
1948.25	38.84	25.79	6.19	37.26	33.56	74.00	-40.44	Vertical	Peak
3151.99	35.68	28.80	7.66	38.21	33.93	74.00	-40.07	Vertical	Peak
5164.81	32.88	31.64	9.80	36.24	38.08	74.00	-35.92	Vertical	Peak
7585.53	32.22	36.19	12.67	34.97	46.11	74.00	-27.89	Vertical	Peak
2258.20	35.56	27.85	6.54	37.50	32.45	74.00	-41.55	Horizontal	Peak
4570.77	33.07	30.84	9.41	37.28	36.04	74.00	-37.96	Horizontal	Peak
6267.19	32.19	33.03	11.00	35.30	40.92	74.00	-33.08	Horizontal	Peak
8145.93	32.44	36.86	12.64	34.54	47.40	74.00	-26.60	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
1663.80	35.72	25.09	5.69	36.85	29.65	74.00	-44.35	Vertical	Peak
3192.37	36.02	28.80	7.71	38.20	34.33	74.00	-39.67	Vertical	Peak
4055.37	37.10	29.81	8.82	37.98	37.75	74.00	-36.25	Vertical	Peak
6645.07	31.80	34.20	11.41	35.28	42.13	74.00	-31.87	Vertical	Peak
1561.22	35.64	25.24	5.46	36.67	29.67	74.00	-44.33	Horizontal	Peak
3104.22	35.19	28.80	7.61	38.21	33.39	74.00	-40.61	Horizontal	Peak
4664.81	32.89	31.10	9.49	37.14	36.34	74.00	-37.66	Horizontal	Peak
6299.18	32.31	33.10	11.00	35.30	41.11	74.00	-32.89	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
1889.63	40.31	25.31	6.10	37.21	34.51	74.00	-39.49	Vertical	Peak
3088.45	35.67	28.78	7.59	38.22	33.82	74.00	-40.18	Vertical	Peak
4377.20	35.57	30.43	9.11	37.57	37.54	74.00	-36.46	Vertical	Peak
6478.05	31.01	33.85	11.13	35.33	40.66	74.00	-33.34	Vertical	Peak
1476.19	35.50	25.82	5.22	36.56	29.98	74.00	-44.02	Horizontal	Peak
3128.01	34.88	28.80	7.63	38.21	33.10	74.00	-40.90	Horizontal	Peak
5125.52	33.68	31.80	9.77	36.27	38.98	74.00	-35.02	Horizontal	Peak
6428.77	31.84	33.50	11.04	35.32	41.06	74.00	-32.94	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
1585.25	35.79	25.03	5.53	36.70	29.65	74.00	-44.35	Vertical	Peak
3184.25	35.64	28.80	7.70	38.20	33.94	74.00	-40.06	Vertical	Peak
4772.91	32.53	31.49	9.53	37.00	36.55	74.00	-37.45	Vertical	Peak
6219.51	31.85	32.94	11.01	35.29	40.51	74.00	-33.49	Vertical	Peak
1800.42	35.28	25.40	5.96	37.14	29.50	74.00	-44.50	Horizontal	Peak
3026.20	35.95	28.65	7.51	38.23	33.88	74.00	-40.12	Horizontal	Peak
4883.52	33.12	31.43	9.59	36.73	37.41	74.00	-36.59	Horizontal	Peak
7045.74	31.74	35.44	11.85	34.86	44.17	74.00	-29.83	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
1417.28	35.50	25.88	5.05	36.48	29.95	74.00	-44.05	Vertical	Peak
3192.37	36.02	28.80	7.71	38.20	34.33	74.00	-39.67	Vertical	Peak
4055.37	37.10	29.81	8.82	37.98	37.75	74.00	-36.25	Vertical	Peak
5791.65	32.53	32.06	10.58	35.34	39.83	74.00	-34.17	Vertical	Peak
1283.34	35.53	26.22	4.80	36.52	30.03	74.00	-43.97	Horizontal	Peak
3616.45	34.77	29.30	8.29	38.27	34.09	74.00	-39.91	Horizontal	Peak
4821.76	32.83	31.56	9.55	36.90	37.04	74.00	-36.96	Horizontal	Peak
6299.18	32.31	33.10	11.00	35.30	41.11	74.00	-32.89	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
1823.48	35.41	25.38	6.00	37.16	29.63	74.00	-44.37	Vertical	Peak
3088.45	35.67	28.78	7.59	38.22	33.82	74.00	-40.18	Vertical	Peak
4377.20	35.57	30.43	9.11	37.57	37.54	74.00	-36.46	Vertical	Peak
6203.70	31.94	32.91	11.01	35.29	40.57	74.00	-33.43	Vertical	Peak
1476.19	35.50	25.82	5.22	36.56	29.98	74.00	-44.02	Horizontal	Peak
3128.01	34.88	28.80	7.63	38.21	33.10	74.00	-40.90	Horizontal	Peak
4076.07	33.99	29.85	8.84	37.94	34.74	74.00	-39.26	Horizontal	Peak
6992.14	31.87	35.25	11.84	34.80	44.16	74.00	-29.84	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
1585.25	35.79	25.03	5.53	36.70	29.65	74.00	-44.35	Vertical	Peak
3184.25	35.64	28.80	7.70	38.20	33.94	74.00	-40.06	Vertical	Peak
4772.91	32.53	31.49	9.53	37.00	36.55	74.00	-37.45	Vertical	Peak
6219.51	31.85	32.94	11.01	35.29	40.51	74.00	-33.49	Vertical	Peak
1800.42	35.28	25.40	5.96	37.14	29.50	74.00	-44.50	Horizontal	Peak
3026.20	35.95	28.65	7.51	38.23	33.88	74.00	-40.12	Horizontal	Peak
4883.52	33.12	31.43	9.59	36.73	37.41	74.00	-36.59	Horizontal	Peak
7045.74	31.74	35.44	11.85	34.86	44.17	74.00	-29.83	Horizontal	Peak

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier 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(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
1904.12	37.18	25.34	6.12	37.22	31.42	74.00	-42.58	Vertical	Peak
3552.58	34.45	29.16	8.20	38.34	33.47	74.00	-40.53	Vertical	Peak
4933.50	33.68	31.43	9.63	36.59	38.15	74.00	-35.85	Vertical	Peak
6577.75	31.79	34.16	11.32	35.35	41.92	74.00	-32.08	Vertical	Peak
1904.12	43.37	25.34	6.12	37.22	37.61	74.00	-36.39	Horizontal	Peak
3003.17	35.57	28.61	7.48	38.23	33.43	74.00	-40.57	Horizontal	Peak
5177.97	32.67	31.59	9.81	36.22	37.85	74.00	-36.15	Horizontal	Peak
7045.74	32.63	35.44	11.85	34.86	45.06	74.00	-28.94	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
1693.72	35.61	25.18	5.75	36.92	29.62	74.00	-44.38	Vertical	Peak
3216.84	35.51	28.70	7.74	38.23	33.72	74.00	-40.28	Vertical	Peak
4256.33	33.99	30.11	8.99	37.62	35.47	74.00	-38.53	Vertical	Peak
6140.85	31.79	32.66	10.91	35.34	40.02	74.00	-33.98	Vertical	Peak
1755.16	35.20	25.31	5.87	37.05	29.33	74.00	-44.67	Horizontal	Peak
3096.33	35.77	28.79	7.60	38.22	33.94	74.00	-40.06	Horizontal	Peak
4958.68	32.27	31.46	9.64	36.52	36.85	74.00	-37.15	Horizontal	Peak
6696.01	31.81	34.20	11.48	35.18	42.31	74.00	-31.69	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
1732.97	35.42	25.27	5.83	37.00	29.52	74.00	-44.48	Vertical	Peak
3033.91	35.17	28.67	7.52	38.22	33.14	74.00	-40.86	Vertical	Peak
4310.85	33.79	30.23	9.05	37.60	35.47	74.00	-38.53	Vertical	Peak
6219.51	31.64	32.94	11.01	35.29	40.30	74.00	-33.70	Vertical	Peak
1702.36	35.83	25.20	5.77	36.93	29.87	74.00	-44.13	Horizontal	Peak
3018.50	35.81	28.64	7.50	38.23	33.72	74.00	-40.28	Horizontal	Peak
4234.72	35.35	30.07	8.97	37.63	36.76	74.00	-37.24	Horizontal	Peak
5762.24	33.56	31.91	10.53	35.42	40.58	74.00	-33.42	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.

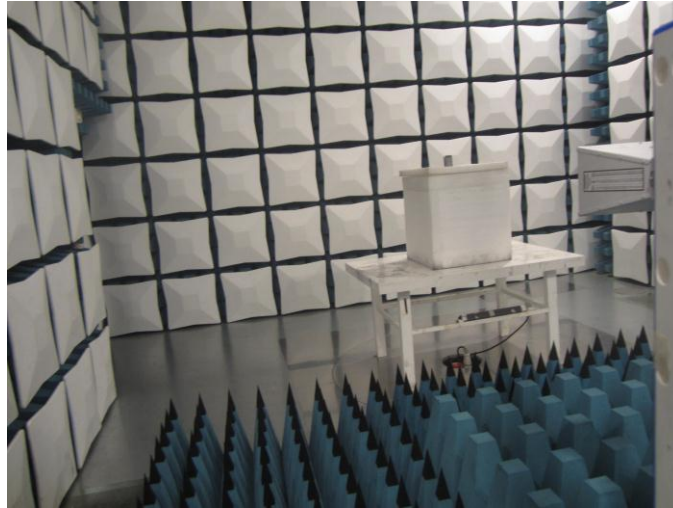
6. TEST SETUP PHOTOS

Conducted Emissions



Radiated Emissions





7. EXTERANAL AND INTERNAL PHOTOS

Reference to Test Report No.: TRE1709005801.

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