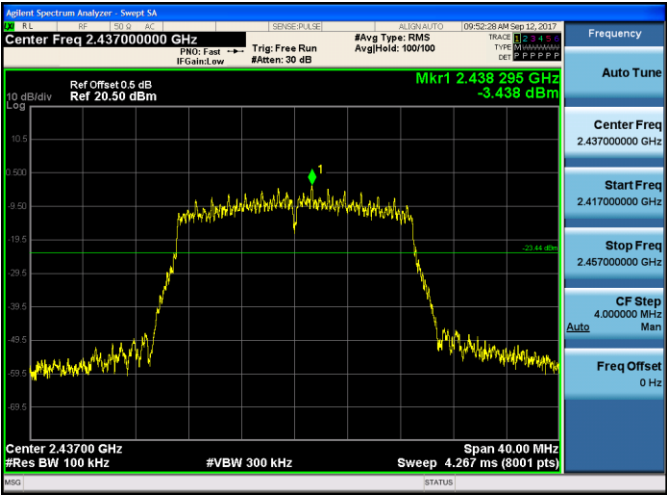
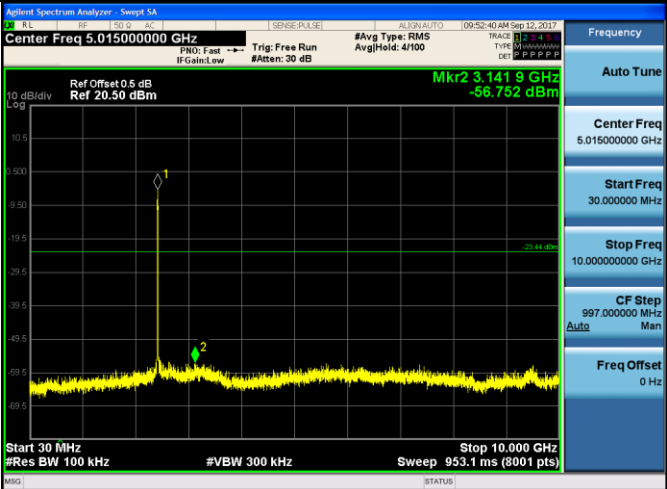

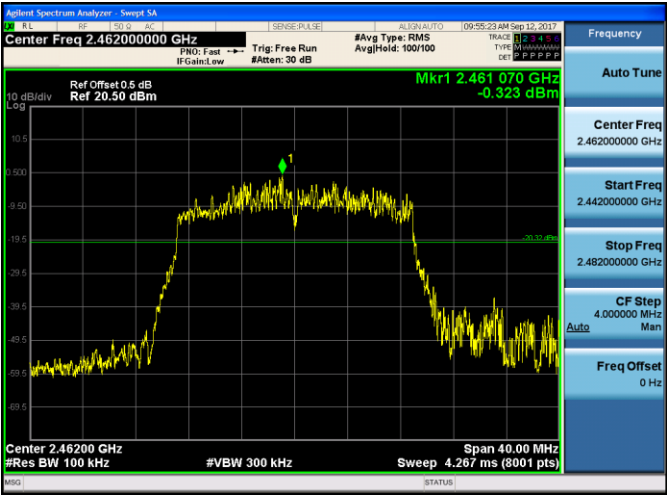
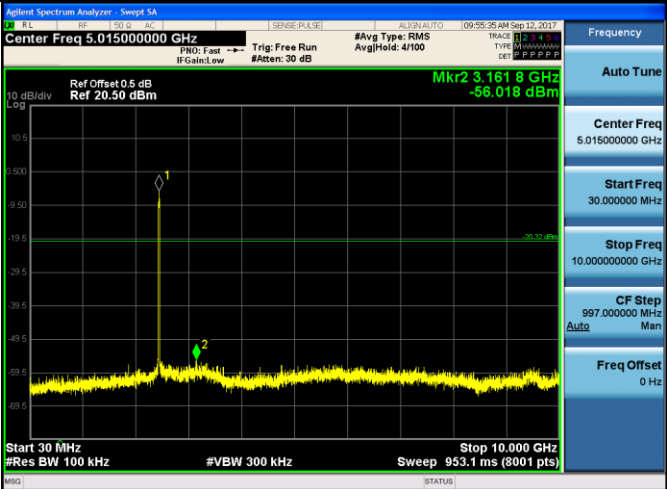

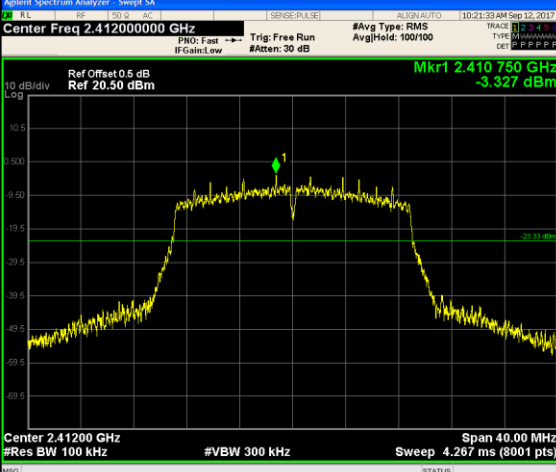
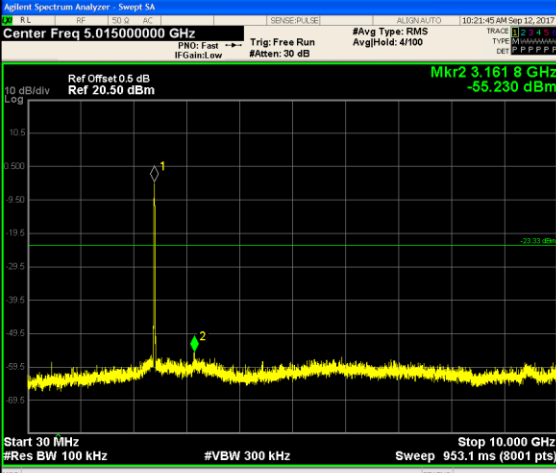
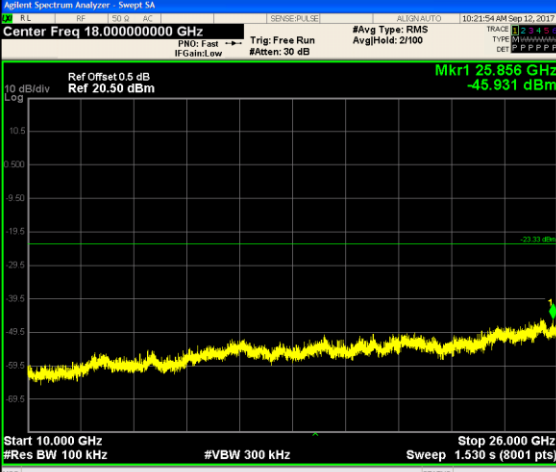
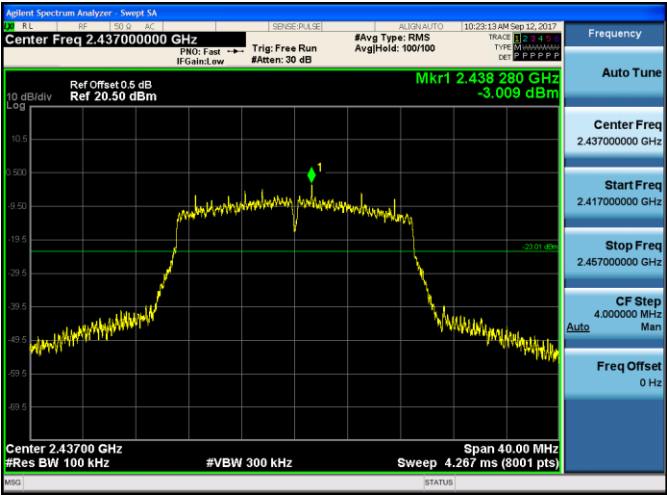
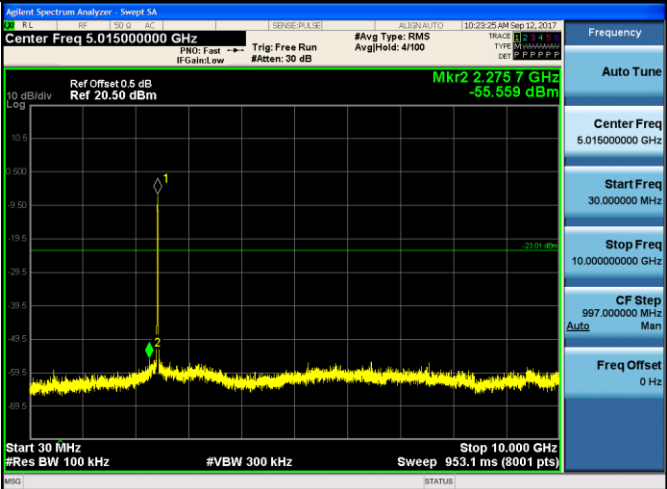

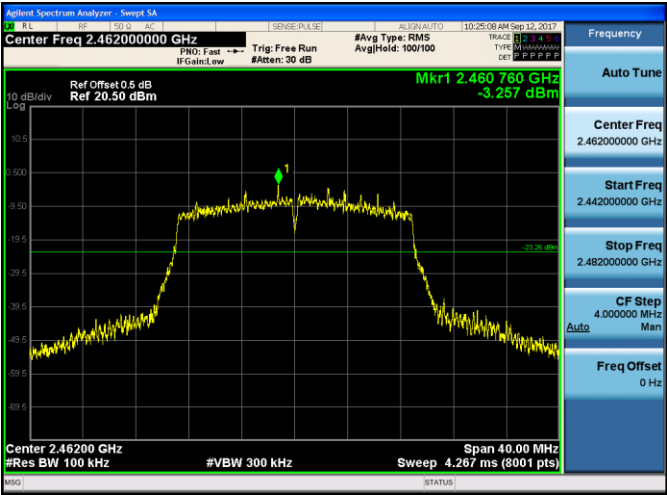
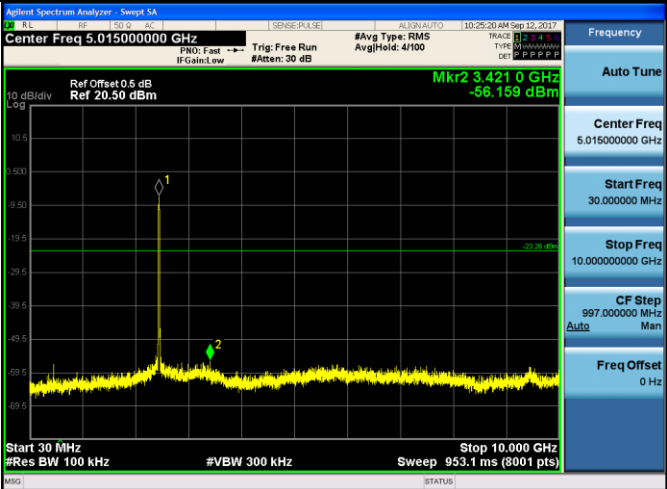



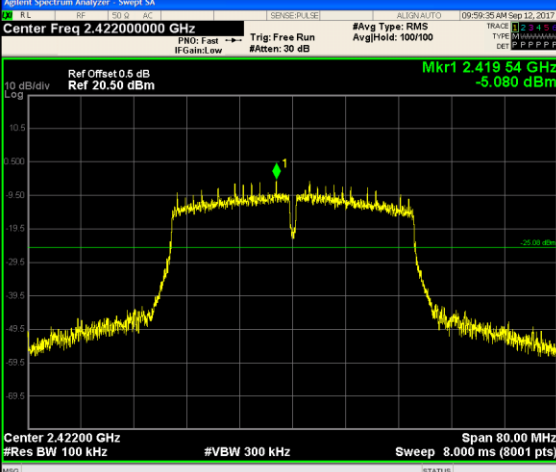
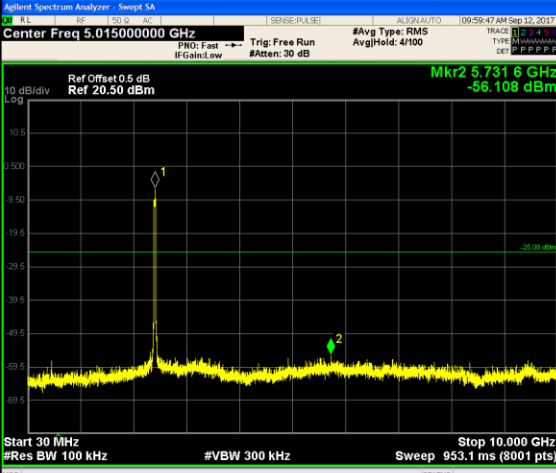
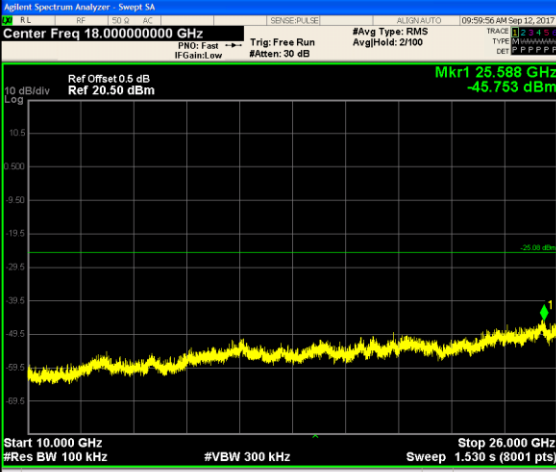
<p>CH06 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.437000000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr1 2.438 295 GHz -3.438 dBm Span 40.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>
<p>CH06 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 5.015000000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr2 3.141 9 GHz -56.752 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 - Sweep SA Center Freq 18.000000000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr1 25.574 GHz -43.623 dBm Start 10.000 GHz Stop 26.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.530 s (8001 pts)</p>

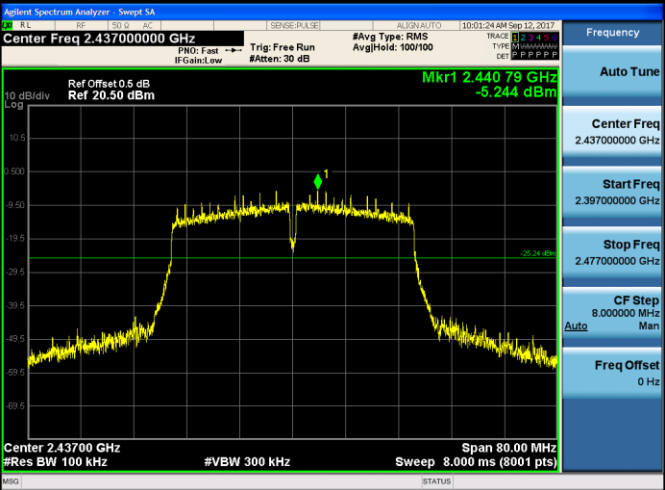
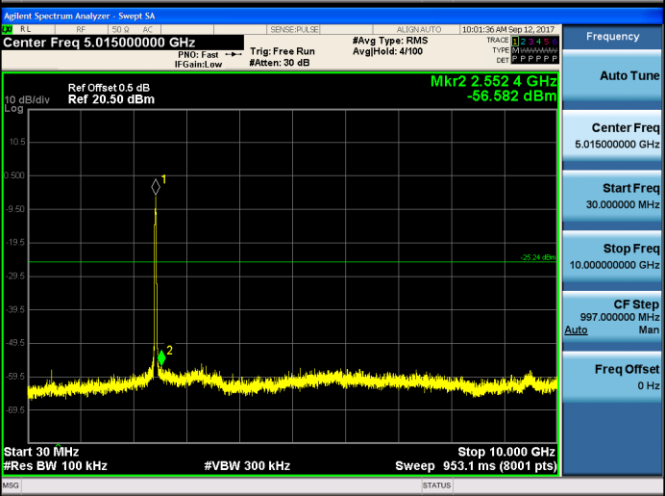
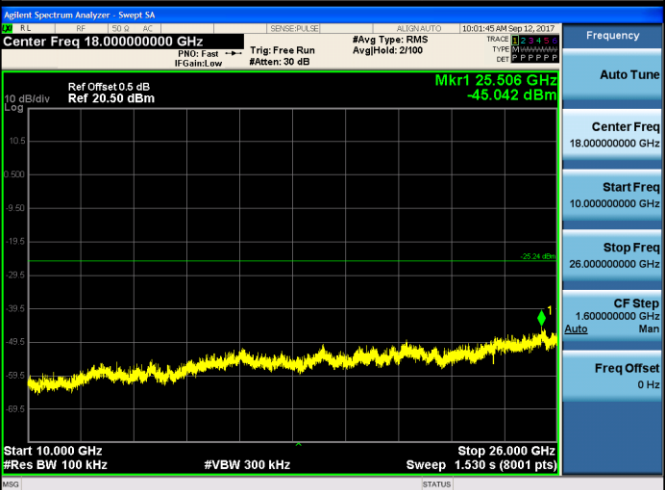
<p>CH11 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.46200000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr1 2.461 070 GHz -0.323 dBm Span 40.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>
<p>CH11 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 5.01500000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr2 3.161 8 GHz -56.018 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 Ref Offset 0.5 dB Ref 20.50 dBm Mkr1 24.136 GHz -48.159 dBm Start 10.000 GHz Stop 26.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.530 s (8001 pts)</p>

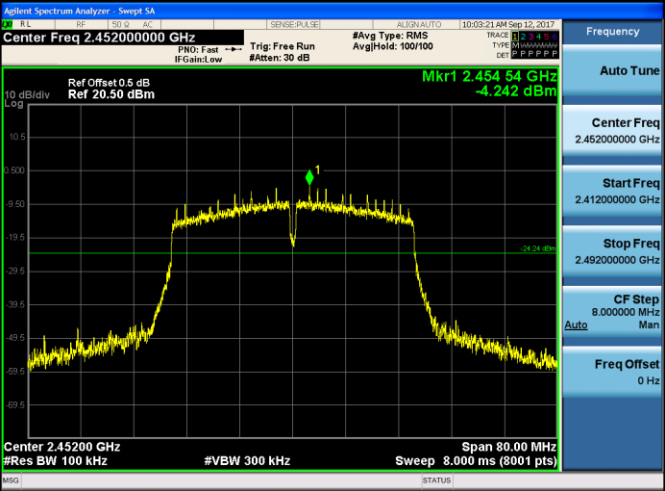
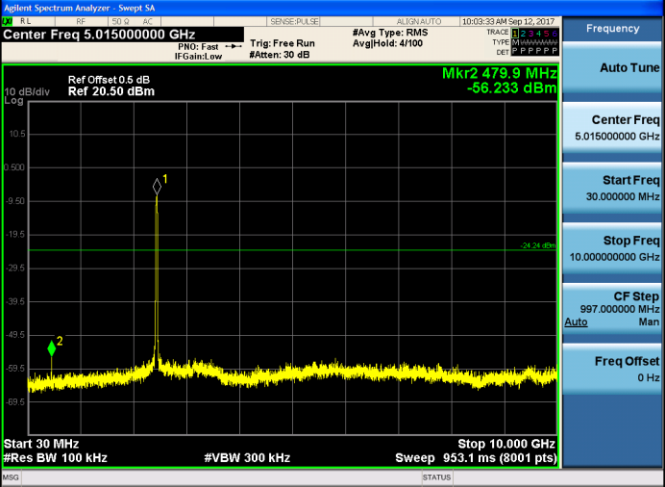

Test Item:	SE	Type:	802.11 n(HT20) / Ant1
<p>CH01 Reference Level</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.412000000 GHz</p> <p>Start Freq 2.392000000 GHz</p> <p>Stop Freq 2.432000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH01 30MHz~10GHz</p>			<p>Frequency</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 - Sweep SA Center Freq 2.437000000 GHz Mkr1 2.438 280 GHz -3.009 dBm Center Freq 2.437000000 GHz Start Freq 2.417000000 GHz Stop Freq 2.457000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>
<p>CH06 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 5.015000000 GHz Mkr2 2.275 7 GHz -55.559 dBm Center Freq 5.015000000 GHz Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz CF Step 997.000000 MHz Freq Offset 0 Hz Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 953.1 ms (8001 pts)</p>
<p>CH06 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 18.000000000 GHz Mkr1 25.580 GHz -45.226 dBm Center Freq 18.000000000 GHz Start Freq 10.000000000 GHz Stop Freq 26.000000000 GHz CF Step 1.600000000 GHz Freq Offset 0 Hz Start 10.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.530 s (8001 pts)</p>

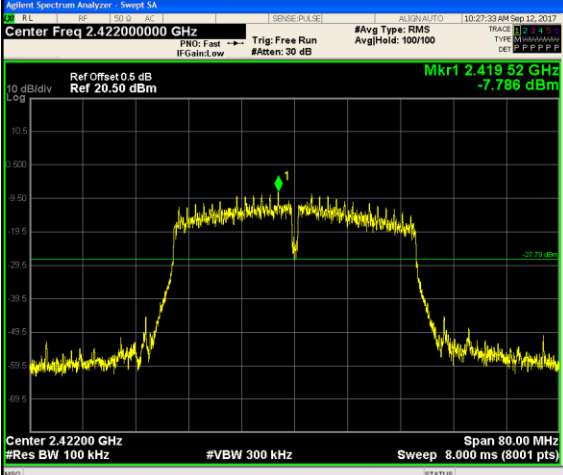
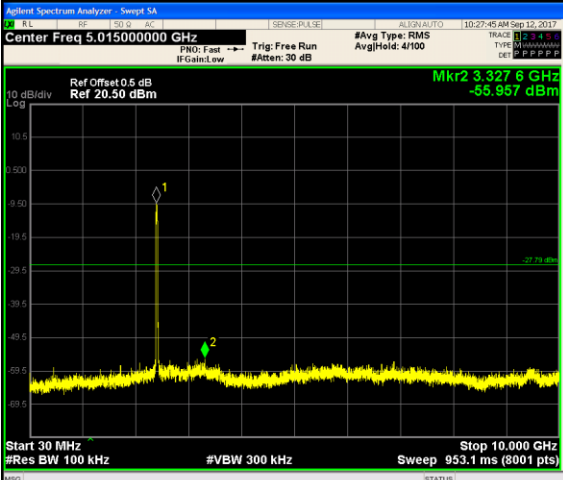
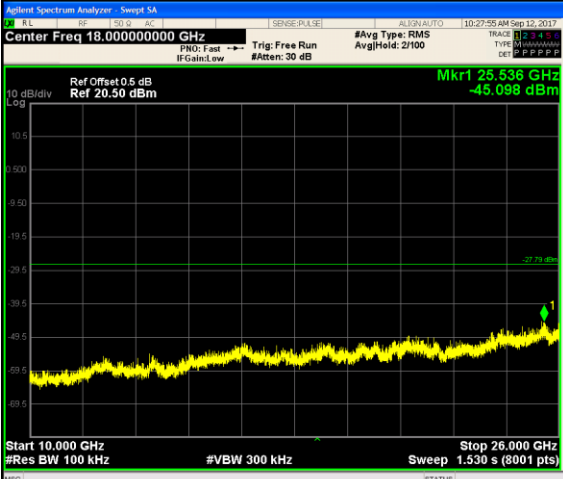
<p>CH11 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.46200000 GHz Mkr1 2.460760 GHz -3.257 dBm Start Freq 2.44200000 GHz Stop Freq 2.48200000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz Span 40.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>
<p>CH11 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 5.01500000 GHz Mkr2 3.4210 GHz -56.159 dBm Start Freq 30.000000 MHz Stop Freq 10.00000000 GHz CF Step 997.000000 MHz Freq Offset 0 Hz Sweep 953.1 ms (8001 pts)</p>
<p>CH11 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 18.00000000 GHz Mkr1 25.528 GHz -45.724 dBm Start Freq 10.00000000 GHz Stop Freq 26.00000000 GHz CF Step 1.60000000 GHz Freq Offset 0 Hz Sweep 1.530 s (8001 pts)</p>

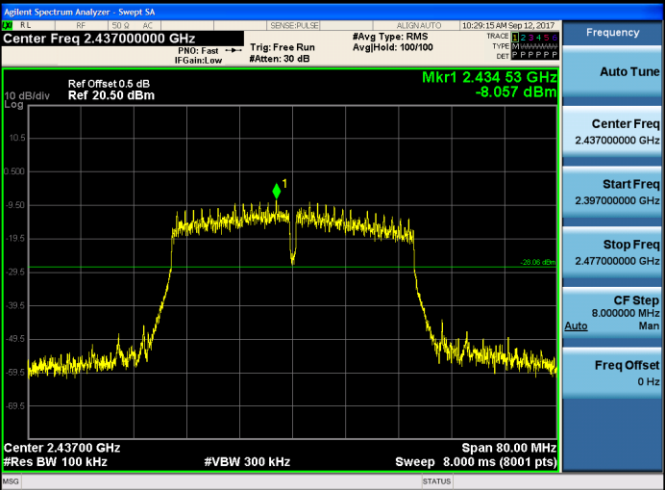
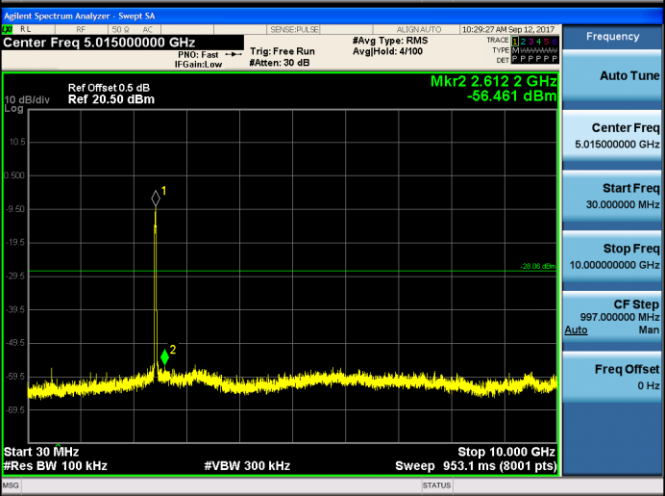

Test Item:	SE	Type:	802.11 n(HT40) / Ant0
<p>CH03 Reference Level</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.422000000 GHz</p> <p>Start Freq 2.382000000 GHz</p> <p>Stop Freq 2.462000000 GHz</p> <p>CF Step 8.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH03 30MHz~10GHz</p>			<p>Frequency</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>CH03 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>

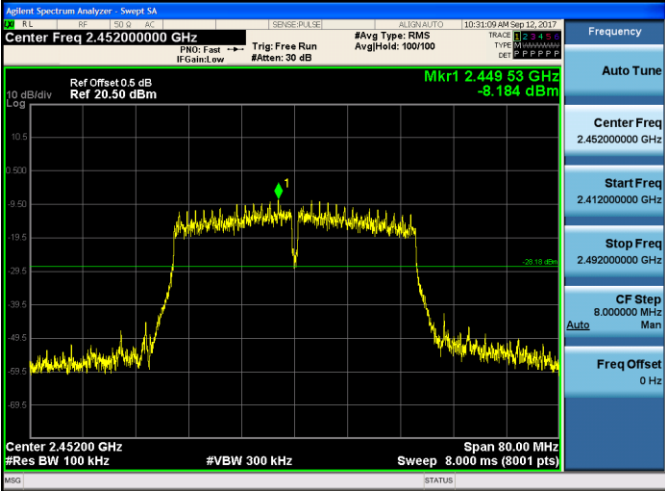
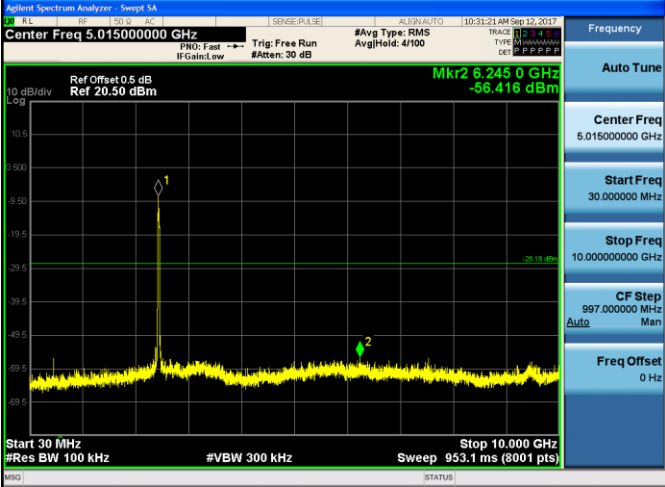

<p>CH06 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.43700000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr1 2.44079 GHz -3.244 dBm Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 80.00 MHz Sweep 8.000 ms (8001 pts)</p>	<p>Frequency Auto Tune Center Freq 2.43700000 GHz Start Freq 2.39700000 GHz Stop Freq 2.47700000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz</p>
<p>CH06 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 5.01500000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr2 2.5524 GHz -56.582 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 10.000 GHz Sweep 953.1 ms (8001 pts)</p>	<p>Frequency Auto Tune Center Freq 5.01500000 GHz Start Freq 30.000000 GHz Stop Freq 10.00000000 GHz CF Step 997.000000 MHz Auto Man Freq Offset 0 Hz</p>
<p>CH06 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 18.00000000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr1 25.506 GHz -45.042 dBm Start 10.000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 26.000 GHz Sweep 1.530 s (8001 pts)</p>	<p>Frequency Auto Tune Center Freq 18.00000000 GHz Start Freq 10.00000000 GHz Stop Freq 26.00000000 GHz CF Step 1.60000000 GHz Auto Man Freq Offset 0 Hz</p>

<p>CH09 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.452000000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr1 2.454 54 GHz -4.242 dBm Span 80.000 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (8001 pts)</p>
<p>CH09 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 5.015000000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr2 479.9 MHz -56.233 dBm Start 30 MHz Stop 10.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 953.1 ms (8001 pts)</p>
<p>CH09 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 18.000000000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr1 25.494 GHz -45.752 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) / Ant1
<p>CH03 Reference Level</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.42200000 GHz</p> <p>Start Freq 2.38200000 GHz</p> <p>Stop Freq 2.46200000 GHz</p> <p>CF Step 8.00000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH03 30MHz~10GHz</p>			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.01500000 GHz</p> <p>Start Freq 30.00000 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>CH03 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 - Sweep SA Center Freq 2.43700000 GHz Mkr1 2.43453 GHz -8.057 dBm Span 80.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.43700000 GHz</p> <p>Start Freq 2.39700000 GHz</p> <p>Stop Freq 2.47700000 GHz</p> <p>CF Step 8.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>CH06 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 5.01500000 GHz Mkr2 2.6122 GHz -56.461 dBm Start 30 MHz Stop 10.000 GHz #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>CH06 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 18.00000000 GHz Mkr1 25.536 GHz -43.786 dBm Start 10.000 GHz Stop 26.000 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>

<p>CH09 Reference Level</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.45200000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr1 2.449 53 GHz -8.184 dBm Span 80.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (8001 pts)</p>
<p>CH09 30MHz~10GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 5.01500000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr2 6.245 0 GHz -56.416 dBm Start 30 MHz Stop 10.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 953.1 ms (8001 pts)</p>
<p>CH09 10GHz~26GHz</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 18.00000000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr1 25.612 GHz -45.353 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)

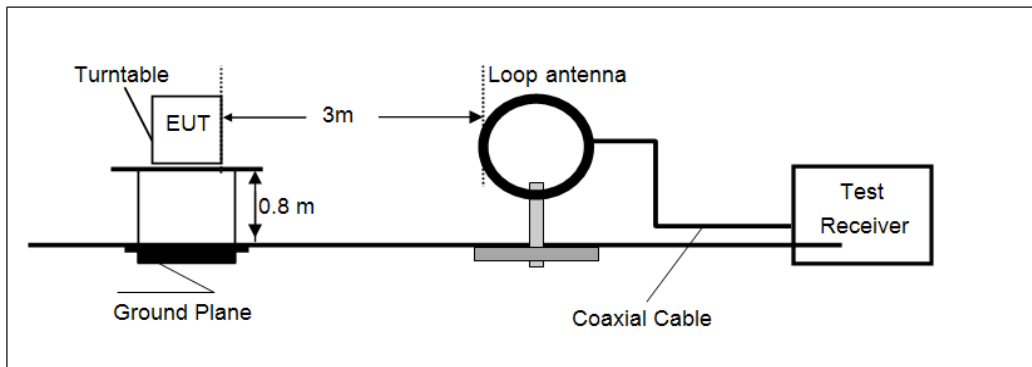
#### LIMIT

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

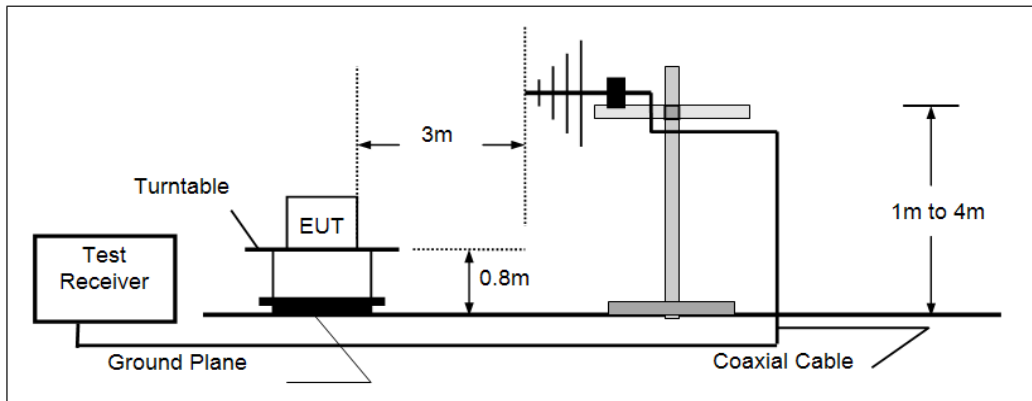
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

#### TEST CONFIGURATION

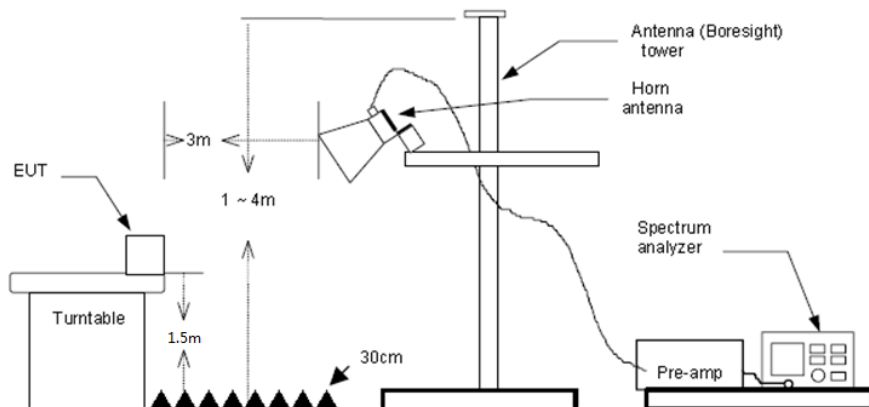
➤ 9kHz ~30MHz



➤ 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 – Pre-amplifier Factor
- 2) The emission levels of other frequencies are very lower than the limit and not show in test report.

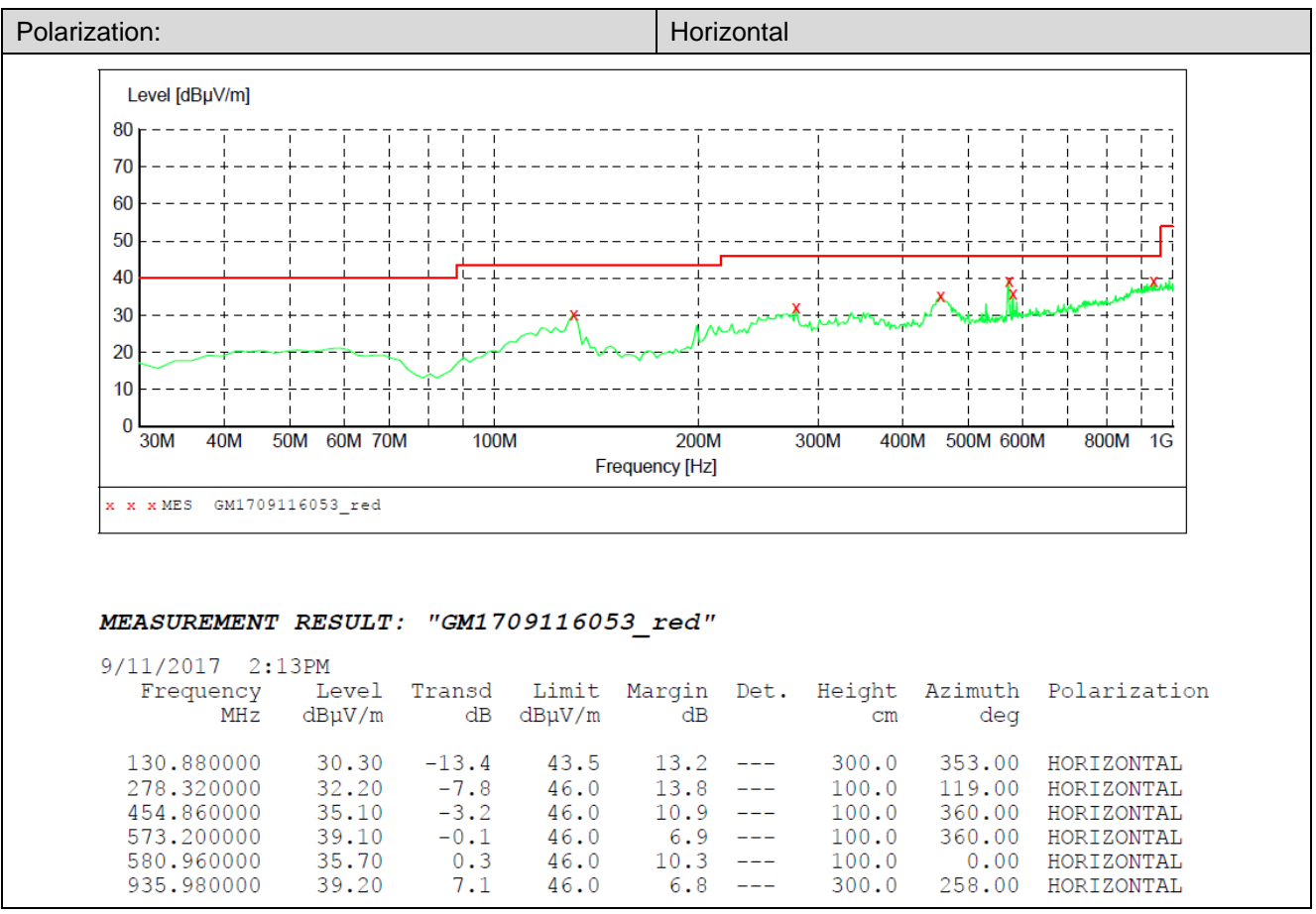
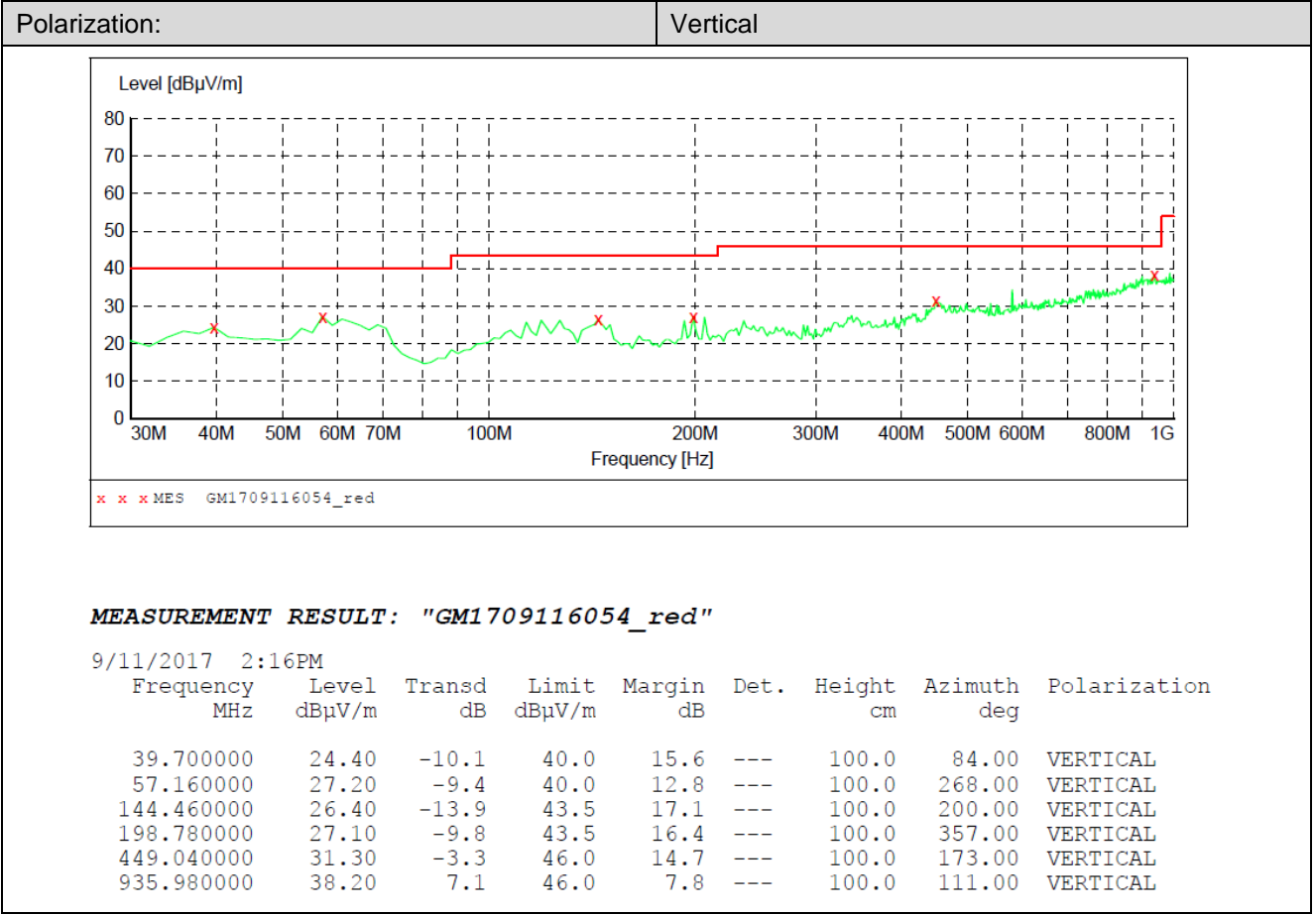
➤ **9kHz ~ 30MHz**

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
1593.34	36.53	24.96	5.55	36.71	30.33	74.00	-43.67	Vertical	Peak
4821.76	46.51	31.56	9.55	36.90	50.72	74.00	-23.28	Vertical	Peak
4821.76	38.45	31.56	9.55	36.90	42.66	54.00	-11.34	Vertical	Average
7245.81	42.63	36.25	11.91	35.02	55.77	74.00	-18.23	Vertical	Peak
7245.81	28.11	36.25	11.91	35.02	41.25	54.00	-12.75	Vertical	Average
9660.72	35.07	39.09	13.71	35.32	52.55	74.00	-21.45	Vertical	Peak
1680.83	35.65	25.14	5.73	36.89	29.63	74.00	-44.37	Horizontal	Peak
3616.45	35.71	29.30	8.29	38.27	35.03	74.00	-38.97	Horizontal	Peak
4821.76	42.97	31.56	9.55	36.90	47.18	74.00	-26.82	Horizontal	Peak
7245.81	38.69	36.25	11.91	35.02	51.83	74.00	-22.17	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
2086.86	34.11	26.65	6.34	37.32	29.78	74.00	-44.22	Vertical	Peak
3672.11	36.15	29.30	8.35	38.26	35.54	74.00	-38.46	Vertical	Peak
4871.10	46.79	31.46	9.59	36.76	51.08	74.00	-22.92	Vertical	Peak
7319.96	35.36	36.30	11.99	34.92	48.73	74.00	-25.27	Vertical	Peak
1313.08	36.21	26.16	4.85	36.51	30.71	74.00	-43.29	Horizontal	Peak
2995.54	38.82	28.60	7.48	38.23	36.67	74.00	-37.33	Horizontal	Peak
4871.10	42.11	31.46	9.59	36.76	46.40	74.00	-27.60	Horizontal	Peak
7319.96	35.71	36.30	11.99	34.92	49.08	74.00	-24.92	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
1663.80	36.53	25.09	5.69	36.85	30.46	74.00	-43.54	Vertical	Peak
3824.76	36.50	29.62	8.53	38.22	36.43	74.00	-37.57	Vertical	Peak
4920.96	53.06	31.42	9.62	36.62	57.48	74.00	-16.52	Vertical	Peak
4920.96	41.93	31.42	9.62	36.62	46.35	54.00	-7.65	Vertical	Average
7394.88	42.71	36.30	12.06	34.83	56.24	74.00	-17.76	Vertical	Peak
7394.88	31.73	36.30	12.06	34.83	45.26	54.00	-8.74	Vertical	Average
1782.18	35.58	25.37	5.93	37.10	29.78	74.00	-44.22	Horizontal	Peak
3662.78	34.28	29.30	8.34	38.26	33.66	74.00	-40.34	Horizontal	Peak
4920.96	41.49	31.42	9.62	36.62	45.91	74.00	-28.09	Horizontal	Peak
7394.88	34.45	36.30	12.06	34.83	47.98	74.00	-26.02	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
1260.67	37.02	26.24	4.76	36.54	31.48	74.00	-42.52	Vertical	Peak
3233.26	35.05	28.60	7.76	38.26	33.15	74.00	-40.85	Vertical	Peak
4821.76	46.29	31.56	9.55	36.90	50.50	74.00	-23.50	Vertical	Peak
7245.81	50.33	36.25	11.91	35.02	63.47	74.00	-10.53	Vertical	Peak
7245.81	32.22	36.25	11.91	35.02	45.36	54.00	-8.64	Vertical	Average
1755.16	36.36	25.31	5.87	37.05	30.49	74.00	-43.51	Horizontal	Peak
3824.76	34.19	29.62	8.53	38.22	34.12	74.00	-39.88	Horizontal	Peak
4821.76	42.71	31.56	9.55	36.90	46.92	74.00	-27.08	Horizontal	Peak
7227.39	42.18	36.23	11.89	35.04	55.26	74.00	-18.74	Horizontal	Peak
7227.39	32.28	36.23	11.89	35.04	45.36	54.00	-8.64	Horizontal	Average

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
1395.80	35.80	25.91	4.99	36.46	30.24	74.00	-43.76	Vertical	Peak
3445.70	35.07	28.57	8.03	38.49	33.18	74.00	-40.82	Vertical	Peak
4858.72	48.86	31.48	9.58	36.80	53.12	74.00	-20.88	Vertical	Peak
4858.71	39.09	31.48	9.58	36.80	43.35	54.00	-10.65	Vertical	Average
7301.36	41.03	36.30	11.97	34.95	54.35	74.00	-19.65	Vertical	Peak
7301.36	28.90	36.30	11.97	34.95	42.22	54.00	-11.78	Vertical	Average
1276.82	36.33	26.22	4.79	36.53	30.81	74.00	-43.19	Horizontal	Peak
1818.84	35.22	25.38	5.99	37.16	29.43	74.00	-44.57	Horizontal	Peak
4772.91	32.83	31.49	9.53	37.00	36.85	74.00	-37.15	Horizontal	Peak
7338.62	40.11	36.30	12.01	34.90	53.52	74.00	-20.48	Horizontal	Peak
7338.62	32.94	36.30	12.01	34.90	46.35	54.00	-7.65	Horizontal	Average

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
3160.03	35.73	28.80	7.67	38.21	33.99	74.00	-40.01	Vertical	Peak
4933.49	38.78	31.43	9.63	36.59	43.25	54.00	-10.75	Vertical	Average
4933.50	47.53	31.43	9.63	36.59	52.00	74.00	-22.00	Vertical	Peak
6938.94	31.11	34.93	11.77	34.85	42.96	74.00	-31.04	Vertical	Peak
7394.88	42.90	36.30	12.06	34.83	56.43	74.00	-17.57	Vertical	Peak
7394.88	29.82	36.30	12.06	34.83	43.35	54.00	-10.65	Vertical	Average
1676.56	35.19	25.13	5.72	36.88	29.16	74.00	-44.84	Horizontal	Peak
3625.67	35.57	29.30	8.30	38.26	34.91	74.00	-39.09	Horizontal	Peak
4933.50	41.14	31.43	9.63	36.59	45.61	74.00	-28.39	Horizontal	Peak
7394.88	41.32	36.30	12.06	34.83	54.85	74.00	-19.15	Horizontal	Peak
7394.88	29.47	36.30	12.06	34.83	43.00	54.00	-11.00	Horizontal	Average

## 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(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
1851.54	35.03	25.35	6.04	37.18	29.24	74.00	-44.76	Vertical	Peak
3854.08	34.75	29.65	8.58	38.20	34.78	74.00	-39.22	Vertical	Peak
4821.76	47.86	31.56	9.55	36.90	52.07	74.00	-21.93	Vertical	Peak
4821.76	39.04	31.56	9.55	36.90	43.25	54.00	-10.75	Vertical	Average
7245.81	41.01	36.25	11.91	35.02	54.15	74.00	-19.85	Vertical	Peak
7245.81	30.51	36.25	11.91	35.02	43.65	54.00	-10.35	Vertical	Average
1213.44	36.22	26.29	4.68	36.56	30.63	74.00	-43.37	Horizontal	Peak
3863.90	34.57	29.66	8.59	38.19	34.63	74.00	-39.37	Horizontal	Peak
4821.76	44.03	31.56	9.55	36.90	48.24	74.00	-25.76	Horizontal	Peak
7245.81	39.77	36.25	11.91	35.02	52.91	74.00	-21.09	Horizontal	Peak
7245.81	29.22	36.25	11.91	35.02	42.36	54.00	-11.64	Horizontal	Average

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
1746.25	36.33	25.29	5.86	37.03	30.45	74.00	-43.55	Vertical	Peak
3041.64	36.11	28.68	7.53	38.22	34.10	74.00	-39.90	Vertical	Peak
4871.10	44.68	31.46	9.59	36.76	48.97	74.00	-25.03	Vertical	Peak
7338.62	45.01	36.30	12.01	34.90	58.42	74.00	-15.58	Vertical	Peak
7338.62	30.84	36.30	12.01	34.90	44.25	54.00	-9.75	Vertical	Average
1270.33	37.03	26.23	4.78	36.53	31.51	74.00	-42.49	Horizontal	Peak
3834.51	35.47	29.63	8.55	38.21	35.44	74.00	-38.56	Horizontal	Peak
4871.10	41.87	31.46	9.59	36.76	46.16	74.00	-27.84	Horizontal	Peak
7338.62	38.92	36.30	12.01	34.90	52.33	74.00	-21.67	Horizontal	Peak
7338.62	28.15	36.30	12.01	34.90	41.56	54.00	-12.44	Horizontal	Average

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
1289.89	35.97	26.21	4.81	36.52	30.47	74.00	-43.53	Vertical	Peak
3854.08	34.39	29.65	8.58	38.20	34.42	74.00	-39.58	Vertical	Peak
4920.96	49.05	31.42	9.62	36.62	53.47	74.00	-20.53	Vertical	Peak
4920.96	38.60	31.42	9.62	36.62	43.02	54.00	-10.98	Vertical	Average
7376.08	41.60	36.30	12.04	34.85	55.09	74.00	-18.91	Vertical	Peak
7376.08	29.76	36.30	12.04	34.85	43.25	54.00	-10.75	Vertical	Average
1676.56	36.88	25.13	5.72	36.88	30.85	74.00	-43.15	Horizontal	Peak
3498.74	35.98	28.99	8.11	38.41	34.67	74.00	-39.33	Horizontal	Peak
4933.50	44.68	31.43	9.63	36.59	49.15	74.00	-24.85	Horizontal	Peak
7376.08	43.17	36.30	12.04	34.85	56.66	74.00	-17.34	Horizontal	Peak
7376.08	26.72	36.30	12.04	34.85	40.21	54.00	-13.79	Horizontal	Average

## 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(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
1283.34	35.03	26.22	4.80	36.52	29.53	74.00	-44.47	Vertical	Peak
3112.13	34.18	28.80	7.61	38.21	32.38	74.00	-41.62	Vertical	Peak
4724.56	40.68	31.30	9.51	37.06	44.43	74.00	-29.57	Vertical	Peak
7099.75	42.34	35.60	11.85	34.93	54.86	74.00	-19.14	Vertical	Peak
7099.75	28.69	35.60	11.85	34.93	41.21	54.00	-12.79	Vertical	Average
1724.17	34.93	25.25	5.81	36.98	29.01	74.00	-44.99	Horizontal	Peak
3662.78	34.67	29.30	8.34	38.26	34.05	74.00	-39.95	Horizontal	Peak
4736.60	35.41	31.35	9.51	37.05	39.22	74.00	-34.78	Horizontal	Peak
7099.75	37.84	35.60	11.85	34.93	50.36	74.00	-23.64	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
1672.30	35.91	25.12	5.71	36.87	29.87	74.00	-44.13	Vertical	Peak
3672.11	35.04	29.30	8.35	38.26	34.43	74.00	-39.57	Vertical	Peak
4883.52	45.65	31.43	9.59	36.73	49.94	74.00	-24.06	Vertical	Peak
4883.52	35.71	31.43	9.59	36.73	40.00	54.00	-14.00	Vertical	Average
7319.96	38.65	36.30	11.99	34.92	52.02	74.00	-21.98	Vertical	Peak
7319.96	30.28	36.30	11.99	34.92	43.65	54.00	-10.35	Vertical	Average
1786.72	34.77	25.37	5.93	37.11	28.96	74.00	-45.04	Horizontal	Peak
3913.39	33.76	29.70	8.66	38.16	33.96	74.00	-40.04	Horizontal	Peak
4871.10	37.42	31.46	9.59	36.76	41.71	74.00	-32.29	Horizontal	Peak
7301.36	35.43	36.30	11.97	34.95	48.75	74.00	-25.25	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
1222.74	36.98	26.28	4.70	36.56	31.40	74.00	-42.60	Vertical	Peak
3690.85	35.64	29.30	8.37	38.25	35.06	74.00	-38.94	Vertical	Peak
4946.07	49.02	31.45	9.63	36.55	53.55	74.00	-20.45	Vertical	Peak
4946.07	38.72	31.45	9.63	36.55	43.25	54.00	-10.75	Vertical	Average
7394.88	41.51	36.30	12.06	34.83	55.04	74.00	-18.96	Vertical	Peak
7394.88	30.68	36.30	12.06	34.83	44.21	54.00	-9.79	Vertical	Average
1715.41	35.44	25.23	5.80	36.96	29.51	74.00	-44.49	Horizontal	Peak
3672.11	36.96	29.30	8.35	38.26	36.35	74.00	-37.65	Horizontal	Peak
4933.50	40.49	31.43	9.63	36.59	44.96	74.00	-29.04	Horizontal	Peak
7413.73	38.67	36.27	12.11	34.83	52.22	74.00	-21.78	Horizontal	Peak
7413.73	28.56	36.27	12.11	34.83	42.11	54.00	-11.89	Horizontal	Average

## Remark:

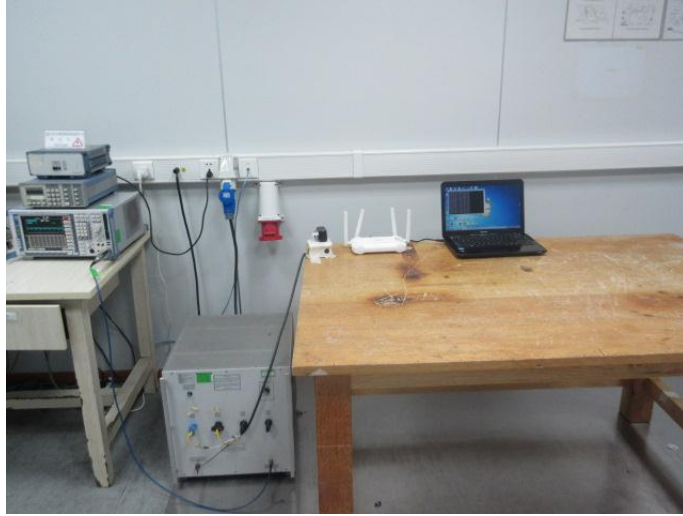
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in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

NOTE:802.11b and 802.11g SISO mode have been tested, only worse case ANT 0 is reported

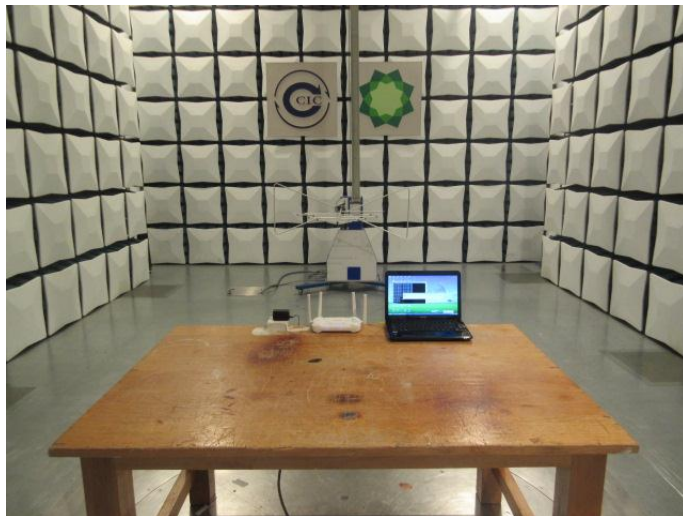
802.11n(HT20) and 802.11n(HT40) MIMO mode have been tested

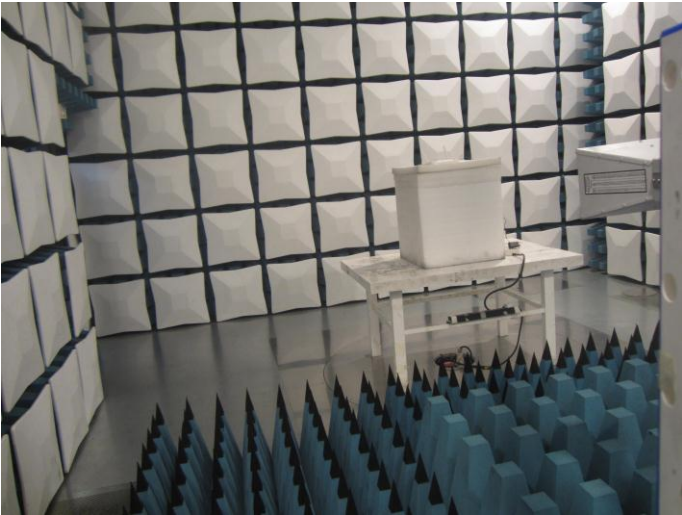
## 6. TEST SETUP PHOTOS

### Conducted Emissions



### Radiated Emissions







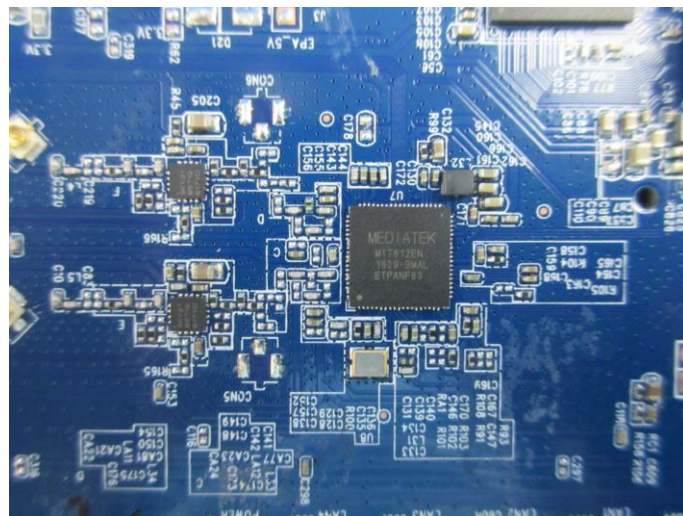
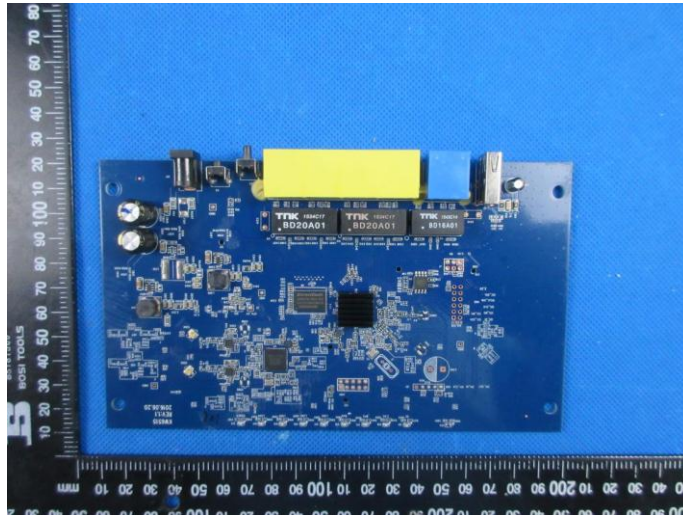
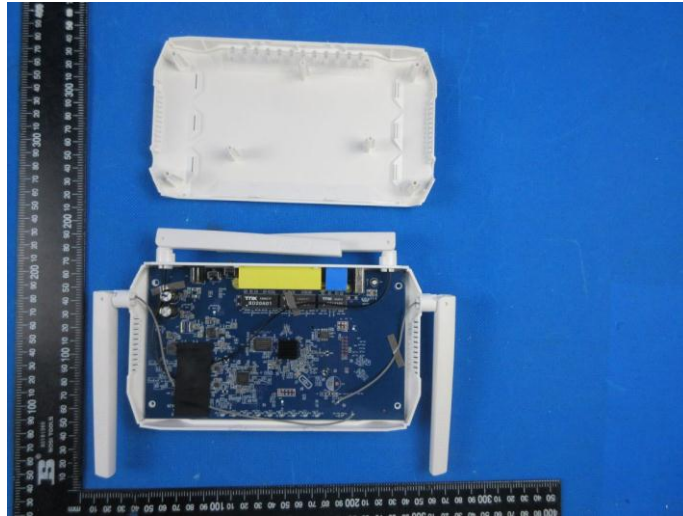
## 7. EXTERANAL AND INTERNAL PHOTOS

### EXTERANAL PHOTOS





### INTERNAL PHOTOS







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