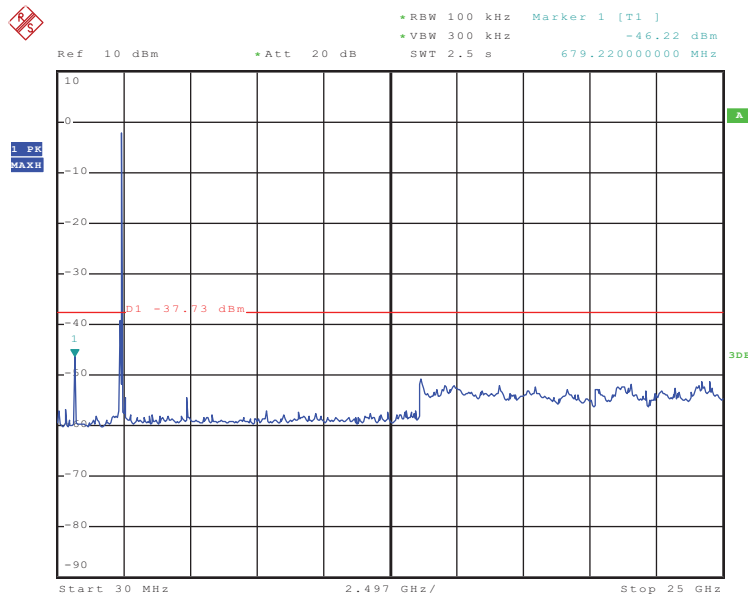


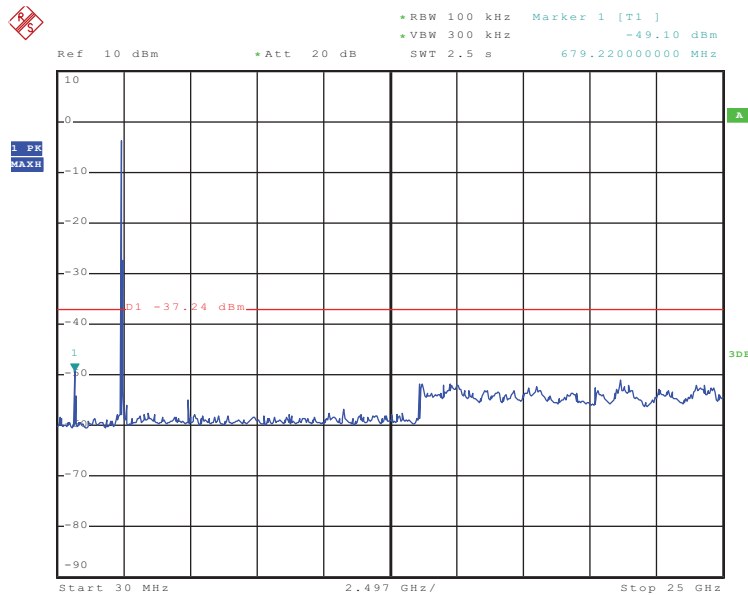
### Middle channel



Date: 1.SEP.2015 21:05:42

30MHz~25GHz

### Highest channel

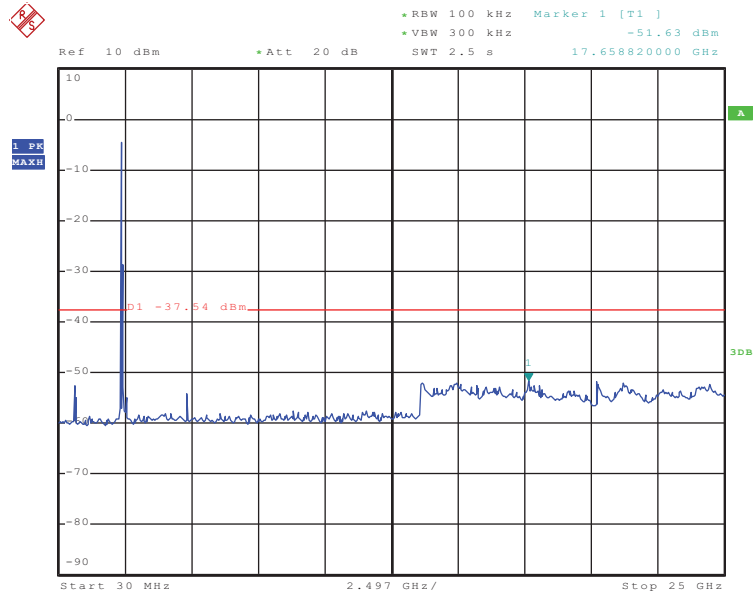


Date: 1.SEP.2015 21:03:44

30MHz~25GHz

Test mode: 802.11n(H20)

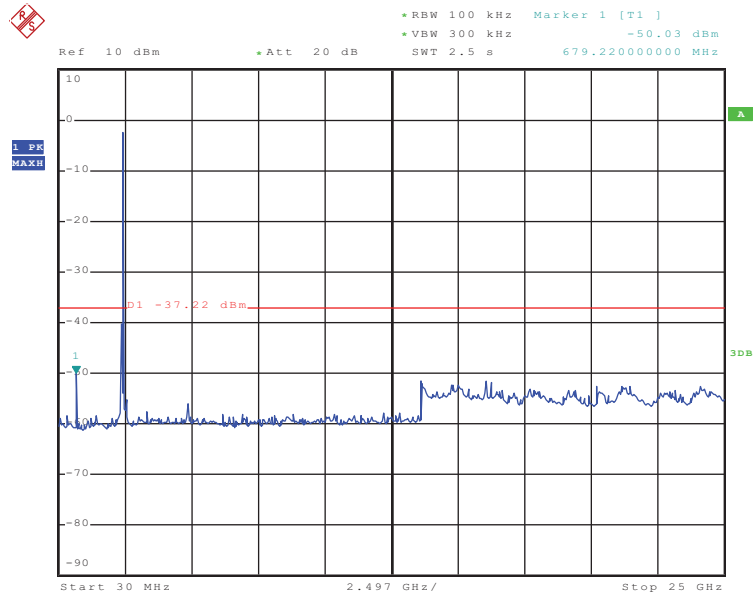
Lowest channel



Date: 1.SEP.2015 21:06:59

30MHz~25GHz

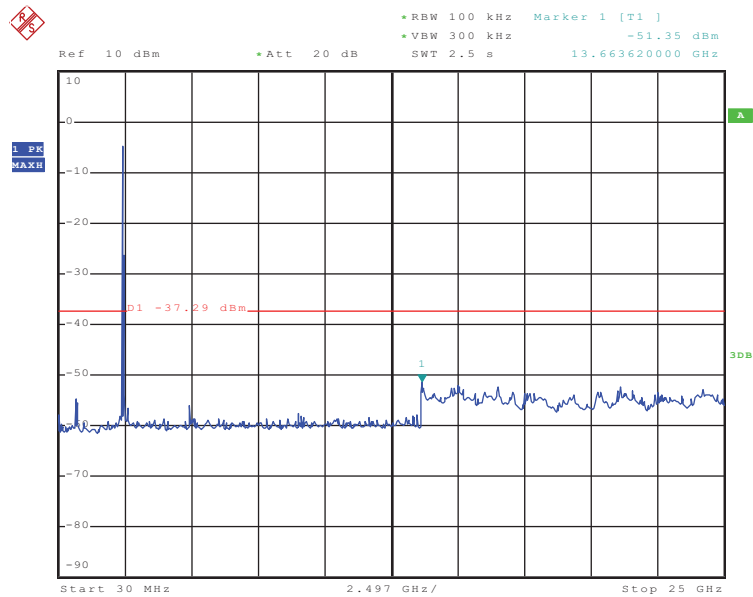
Middle channel



Date: 1.SEP.2015 21:07:34

30MHz~25GHz

### Highest channel

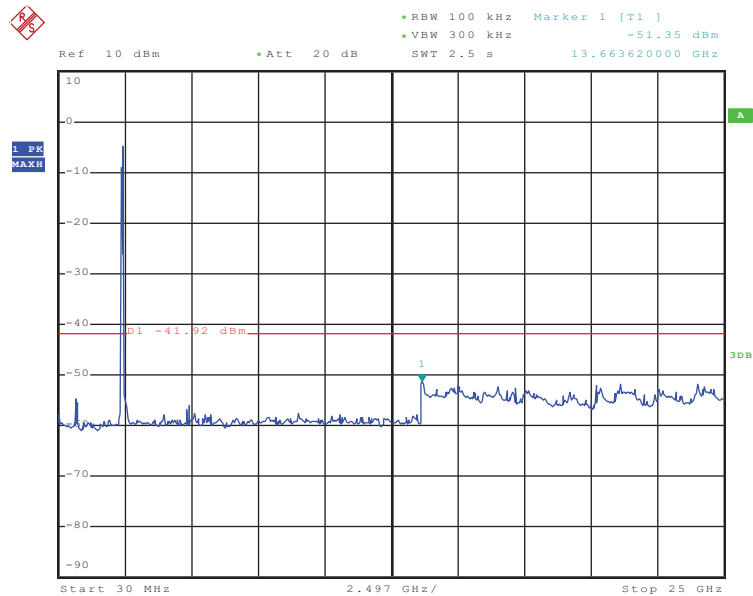


Date: 1.SEP.2015 21:08:49

30MHz~25GHz

Test mode: 802.11n(H40)

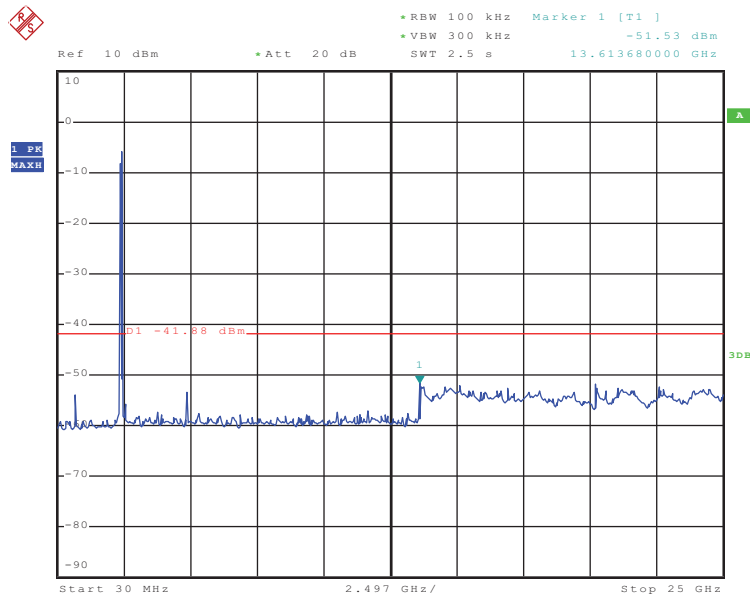
### Lowest channel



Date: 1.SEP.2015 21:09:18

30MHz~25GHz

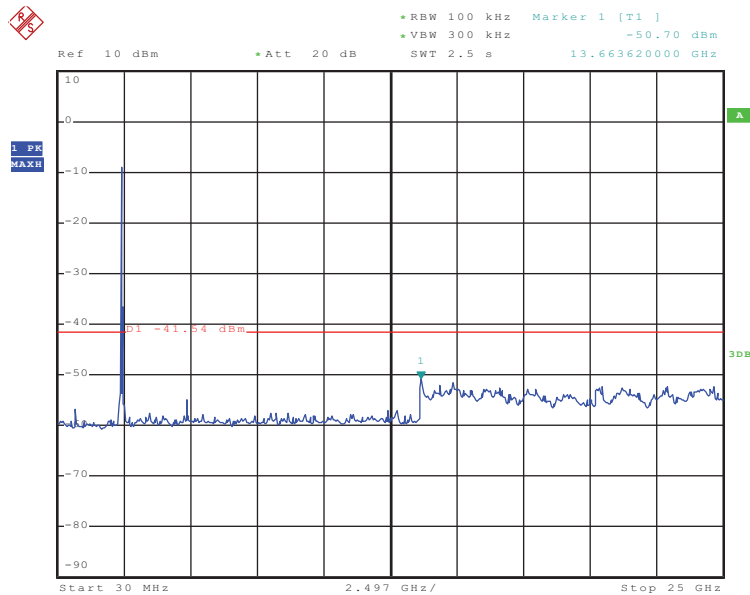
## Middle channel



Date: 1.SEP.2015 21:10:27

30MHz~25GHz

## Highest channel

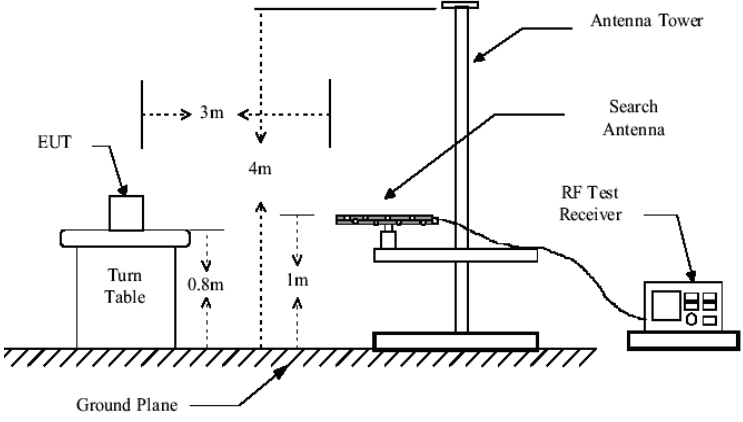
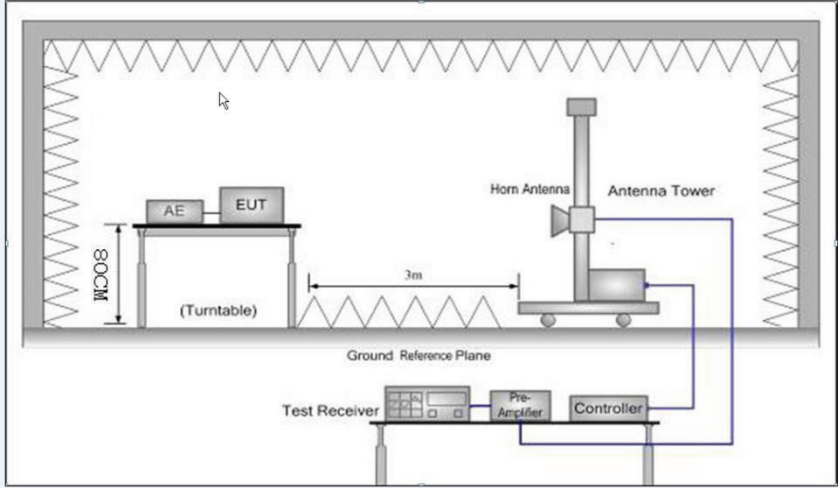


Date: 1.SEP.2015 21:11:59

30MHz~25GHz

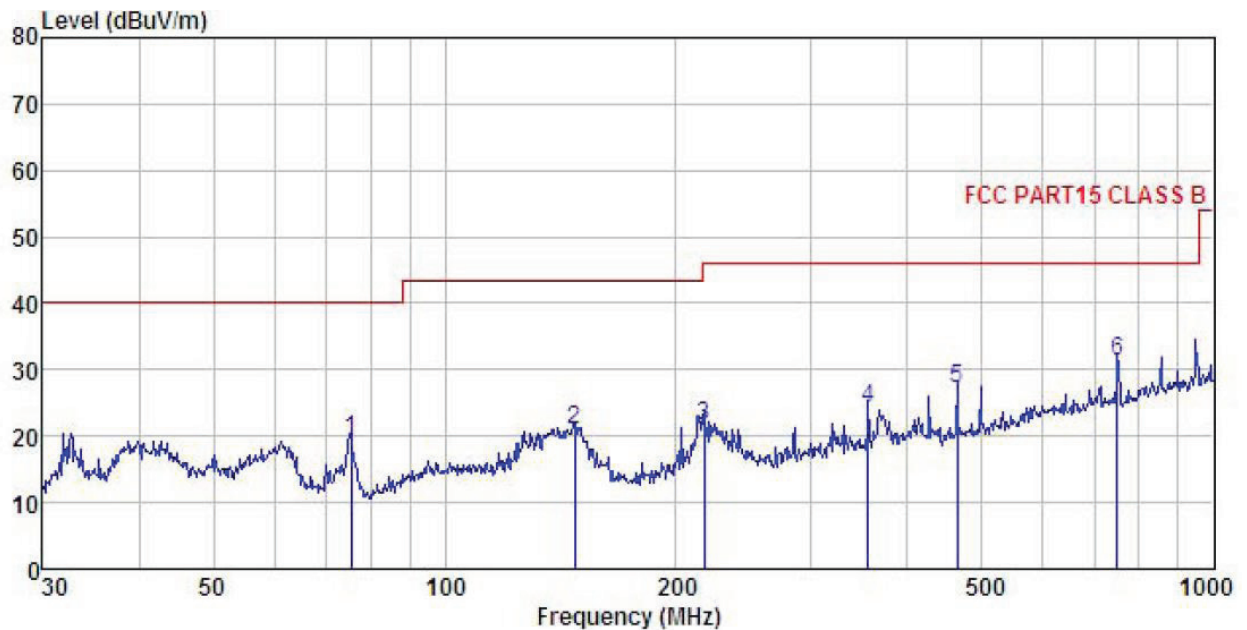
## 6.7.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205					
Test Method:	ANSI C63.10:2009 and ANSI C63.4: 2009					
Test Frequency Range:	9KHz to 25GHz					
Test site:	Measurement Distance: 3m					
Receiver setup:	Frequency	Detector	RBW	VBW	Remark	
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value	
	Above 1GHz	Peak	1MHz	3MHz	Peak Value	
		RMS	1MHz	3MHz	Average Value	
Limit:	Frequency	Limit (dBuV/m @3m)		Remark		
	30MHz-88MHz	40.0		Quasi-peak Value		
	88MHz-216MHz	43.5		Quasi-peak Value		
	216MHz-960MHz	46.0		Quasi-peak Value		
	960MHz-1GHz	54.0		Quasi-peak Value		
	Above 1GHz	54.0		Average Value		
Test Procedure:			74.0			Peak Value
	<ol style="list-style-type: none"> <li>The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</li> </ol>					

<p>Test setup:</p>	<p>Below 1GHz</p>  <p>Above 1GHz</p> 
<p>Test Instruments:</p>	<p>Refer to section 5.6for details</p>
<p>Test mode:</p>	<p>Refer to section 5.3 for details</p>
<p>Test results:</p>	<p>Passed</p>
<p>Remark:</p>	<ol style="list-style-type: none"> <li>1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case.</li> <li>2. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.</li> </ol>

**Below 1GHz**

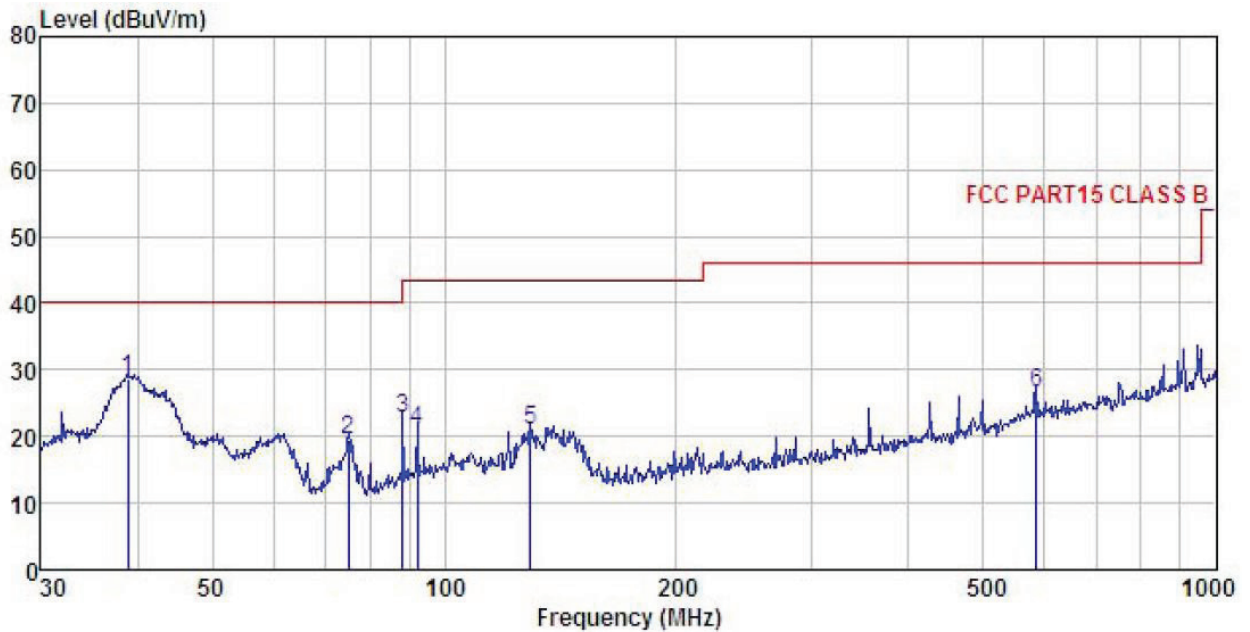
Horizontal :



Site : 3m chamber  
 Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL  
 EUT : INTEL Tablet PC  
 Model : W10  
 Test mode : WIFI mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: Viki  
 Remark :

	Read	Antenna	Cable	Preamp	Level	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	75.446	40.48	7.91	0.82	29.68	19.53	40.00	-20.47 QP
2	147.404	40.79	8.24	1.30	29.23	21.10	43.50	-22.40 QP
3	217.544	37.79	11.10	1.47	28.72	21.64	46.00	-24.36 QP
4	355.427	36.62	14.35	1.96	28.58	24.35	46.00	-21.65 QP
5	463.970	38.17	15.71	2.30	28.89	27.29	46.00	-18.71 QP
6	750.108	37.29	19.43	3.04	28.48	31.28	46.00	-14.72 QP

Vertical :



Site : 3m chamber  
 Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) VERTICAL  
 EUT : INTEL Tablet PC  
 Model : W10  
 Test mode : WIFI mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: Viki  
 Remark :

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	38.888	44.59	13.30	0.51	29.91	28.49	40.00	-11.51	QP
2	75.182	40.49	7.86	0.82	29.68	19.49	40.00	-20.51	QP
3	88.342	40.08	11.47	0.90	29.58	22.87	43.50	-20.63	QP
4	92.139	37.40	12.33	0.92	29.56	21.09	43.50	-22.41	QP
5	129.468	40.14	9.03	1.19	29.33	21.03	43.50	-22.47	QP
6	584.790	34.63	18.19	2.60	28.99	26.43	46.00	-19.57	QP



**Above 1GHz**

Test mode: 802.11b			Test channel: Lowest			Remark: Peak		
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)	Polar.
4824.00	47.79	31.53	8.90	40.24	47.98	74.00	-26.02	Vertical
4824.00	37.01	31.53	8.90	40.24	37.20	74.00	-36.80	Horizontal
Test mode: 802.11b			Test channel: Lowest			Remark: Average		
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)	Polar.
4824.00	47.63	31.53	8.90	40.24	47.82	54.00	-6.18	Vertical
4824.00	36.81	31.53	8.90	40.24	37.00	54.00	-17.00	Horizontal

Test mode: 802.11b			Test channel: Middle			Remark: Peak		
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)	Polar.
4874.00	48.48	31.58	8.98	40.15	48.89	74.00	-25.11	Vertical
4874.00	47.75	31.58	8.98	40.15	48.16	74.00	-25.84	Horizontal
Test mode: 802.11b			Test channel: Middle			Remark: Average		
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)	Polar.
4874.00	38.23	31.58	8.98	40.15	38.64	54.00	-15.36	Vertical
4874.00	38.00	31.58	8.98	40.15	38.41	54.00	-15.59	Horizontal

Test mode: 802.11b			Test channel: Highest			Remark: Peak		
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)	Polar.
4924.00	48.69	31.69	9.08	40.03	49.43	74.00	-24.57	Vertical
4924.00	48.30	31.69	9.08	40.03	49.04	74.00	-24.96	Horizontal
Test mode: 802.11b			Test channel: Highest			Remark: Average		
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)	Polar.
4924.00	38.88	31.69	9.08	40.03	39.62	54.00	-14.38	Vertical
4924.00	38.98	31.69	9.08	40.03	39.72	54.00	-14.28	Horizontal

*Remark:*

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.*

Test mode: 802.11g			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	48.12	31.53	8.90	40.24	48.31	74.00	-25.69	Vertical
4824.00	37.33	31.53	8.90	40.24	37.52	74.00	-36.48	Horizontal
Test mode: 802.11g			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	47.79	31.53	8.90	40.24	47.98	54.00	-6.02	Vertical
4824.00	36.37	31.53	8.90	40.24	36.56	54.00	-17.44	Horizontal

Test mode: 802.11g			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	48.56	31.58	8.98	40.15	48.97	74.00	-25.03	Vertical
4874.00	48.12	31.58	8.98	40.15	48.53	74.00	-25.47	Horizontal
Test mode: 802.11g			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	38.43	31.58	8.98	40.15	38.84	54.00	-15.16	Vertical
4874.00	38.59	31.58	8.98	40.15	39.00	54.00	-15.00	Horizontal

Test mode: 802.11g			Test channel: Highest			Remark: Peak		
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)	Polar.
4924.00	49.15	31.69	9.08	40.03	49.89	74.00	-24.11	Vertical
4924.00	48.96	31.69	9.08	40.03	49.70	74.00	-24.30	Horizontal
Test mode: 802.11g			Test channel: Highest			Remark: Average		
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)	Polar.
4924.00	39.33	31.69	9.08	40.03	40.07	54.00	-13.93	Vertical
4924.00	40.12	31.69	9.08	40.03	40.86	54.00	-13.14	Horizontal

**Remark:**

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.

Test mode: 802.11n(H20)			Test channel: Lowest			Remark: Peak		
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)	Polar.
4824.00	48.24	31.53	8.90	40.24	48.43	74.00	-25.57	Vertical
4824.00	37.98	31.53	8.90	40.24	38.17	74.00	-35.83	Horizontal
Test mode: 802.11n(H20)			Test channel: Lowest			Remark: Average		
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)	Polar.
4824.00	48.12	31.53	8.90	40.24	48.31	54.00	-5.69	Vertical
4824.00	37.69	31.53	8.90	40.24	37.88	54.00	-16.12	Horizontal

Test mode: 802.11n(H20)			Test channel: Middle			Remark: Peak		
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)	Polar.
4874.00	48.35	31.58	8.98	40.15	48.76	74.00	-25.24	Vertical
4874.00	48.24	31.58	8.98	40.15	48.65	74.00	-25.35	Horizontal
Test mode: 802.11n(H20)			Test channel: Middle			Remark: Average		
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)	Polar.
4874.00	38.69	31.58	8.98	40.15	39.10	54.00	-14.90	Vertical
4874.00	38.87	31.58	8.98	40.15	39.28	54.00	-14.72	Horizontal

Test mode: 802.11n(H20)			Test channel: Highest			Remark: Peak		
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)	Polar.
4924.00	49.36	31.69	9.08	40.03	50.10	74.00	-23.90	Vertical
4924.00	49.24	31.69	9.08	40.03	49.98	74.00	-24.02	Horizontal
Test mode: 802.11n(H20)			Test channel: Highest			Remark: Average		
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)	Polar.
4924.00	39.77	31.69	9.08	40.03	40.51	54.00	-13.49	Vertical
4924.00	40.39	31.69	9.08	40.03	41.13	54.00	-12.87	Horizontal

**Remark:**

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.

Test mode: 802.11n(H40)			Test channel: Lowest			Remark: Peak		
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)	Polar.
4844.00	48.38	31.53	8.90	40.24	48.57	74.00	-25.43	Vertical
4844.00	38.16	31.53	8.90	40.24	38.35	74.00	-35.65	Horizontal
Test mode: 802.11n(H40)			Test channel: Lowest			Remark: Average		
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)	Polar.
4844.00	48.36	31.53	8.90	40.24	48.55	54.00	-5.45	Vertical
4844.00	38.01	31.53	8.90	40.24	38.20	54.00	-15.80	Horizontal

Test mode: 802.11n(H40)			Test channel: Middle			Remark: Peak		
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)	Polar.
4874.00	48.67	31.58	8.98	40.15	49.08	74.00	-24.92	Vertical
4874.00	48.37	31.58	8.98	40.15	48.78	74.00	-25.22	Horizontal
Test mode: 802.11n(H40)			Test channel: Middle			Remark: Average		
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)	Polar.
4874.00	39.31	31.58	8.98	40.15	39.72	54.00	-14.28	Vertical
4874.00	39.17	31.58	8.98	40.15	39.58	54.00	-14.42	Horizontal

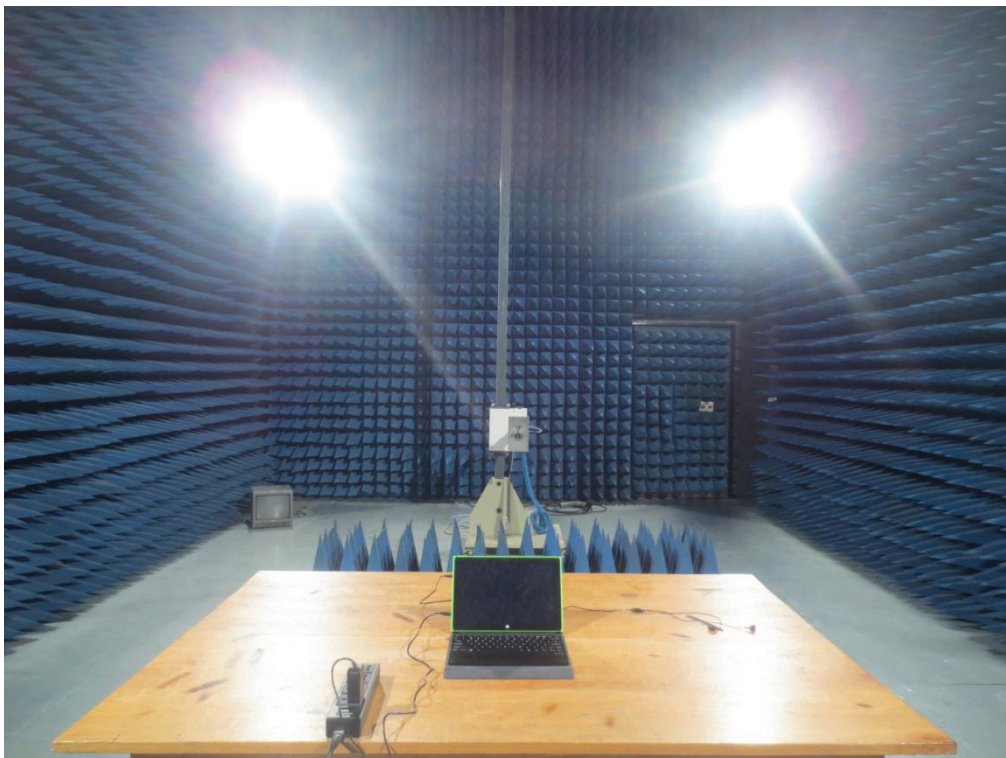
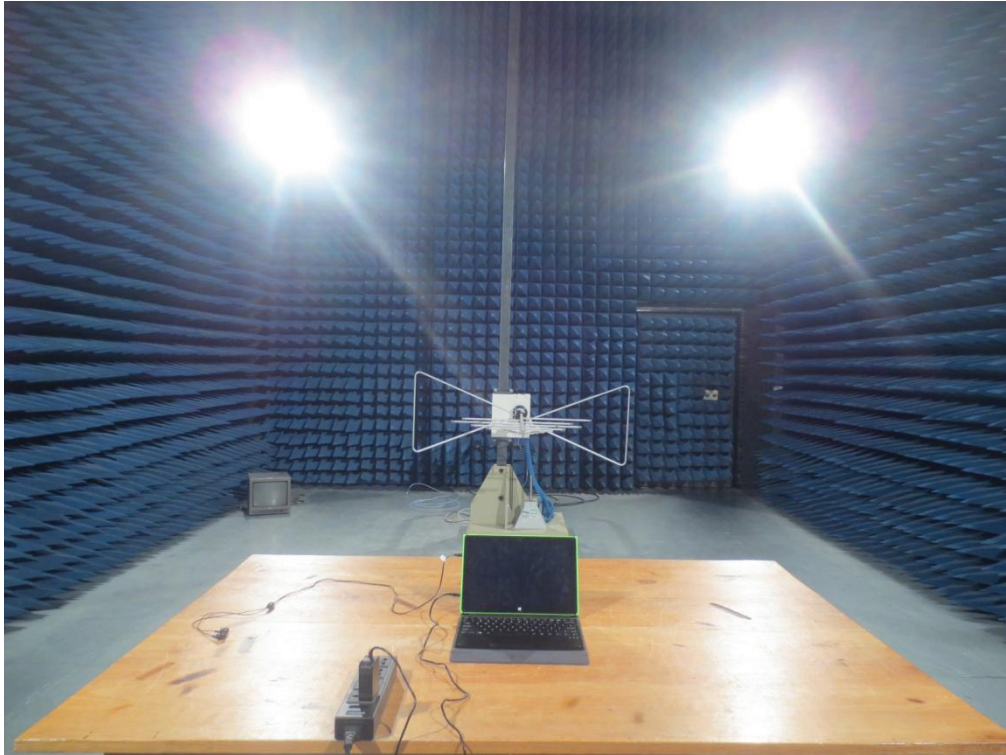
Test mode: 802.11n(H40)			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4904.00	49.67	31.69	9.08	40.03	50.41	74.00	-23.59	Vertical
4904.00	49.71	31.69	9.08	40.03	50.45	74.00	-23.55	Horizontal
Test mode: 802.11n(H40)			Test channel: Highest			Remark: Average		
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)	Polar.
4904.00	40.11	31.69	9.08	40.03	40.85	54.00	-13.15	Vertical
4904.00	40.83	31.69	9.08	40.03	41.57	54.00	-12.43	Horizontal

**Remark:**

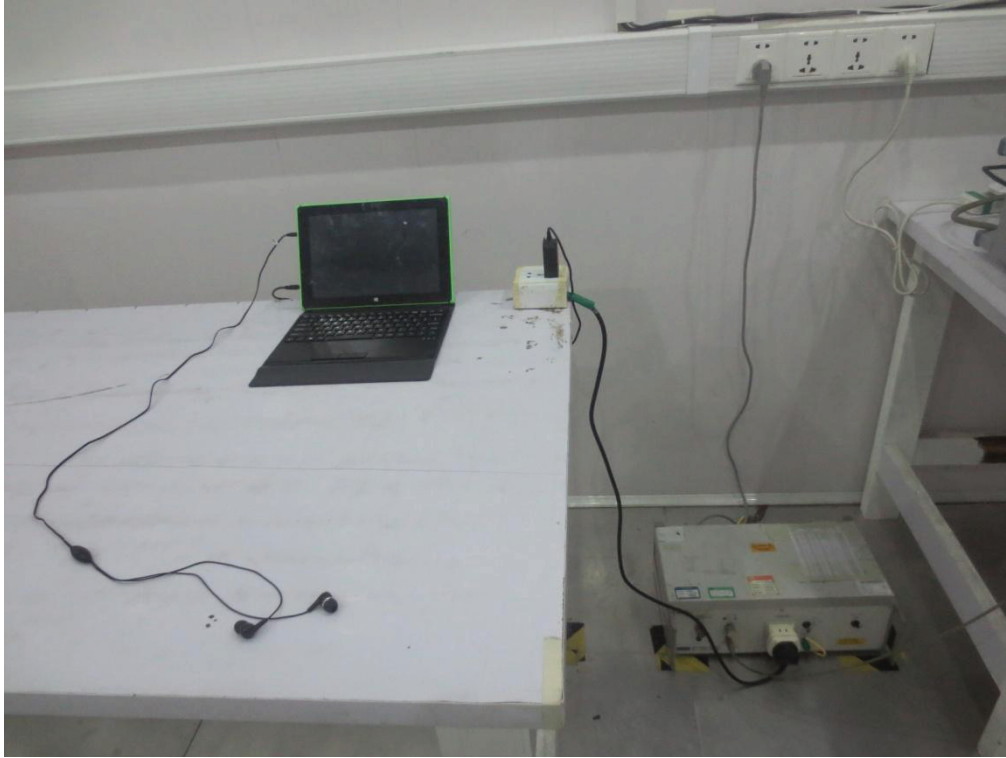
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

## 7 Test Setup Photo

Radiated Spurious Emission



## Conducted Emission



## 8 EUT Constructional Details

Reference to the test report No. CCIS15060051901

-----End of report-----