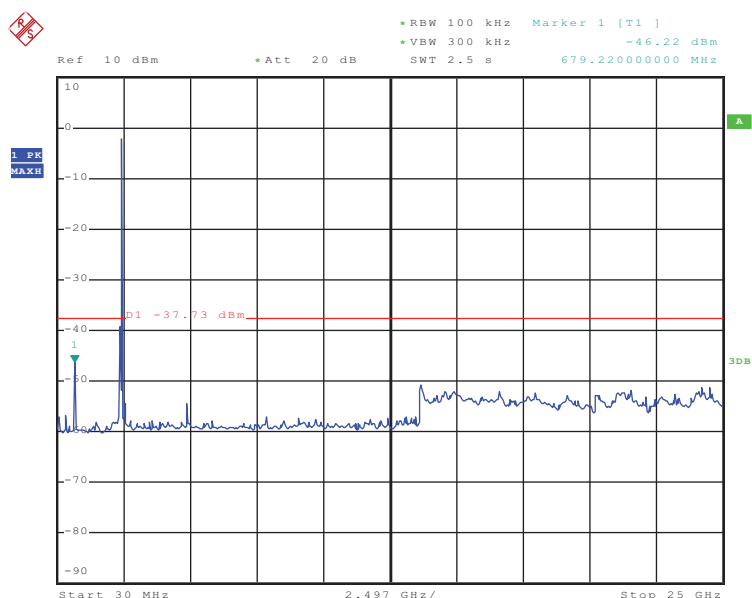


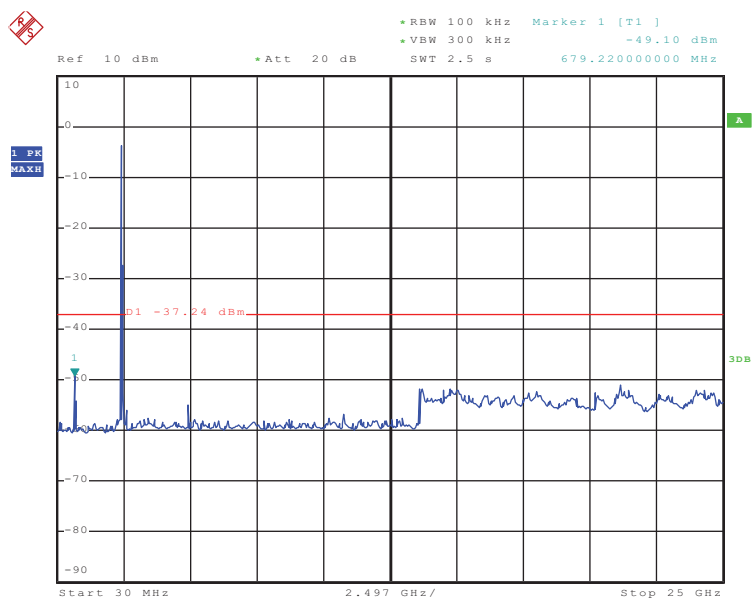
Middle channel



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

30MHz~25GHz

Highest channel

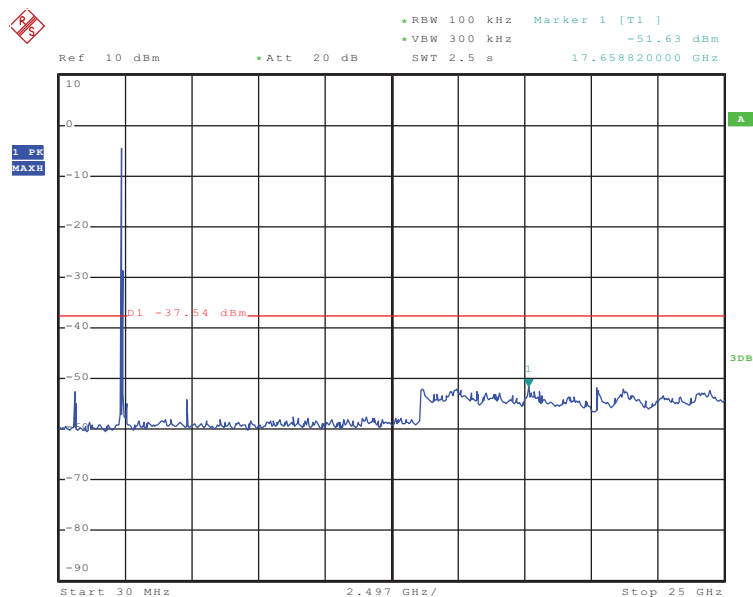


Date: 1.SEP.2015 21:03:44

30MHz~25GHz

Test mode: 802.11n(H20)

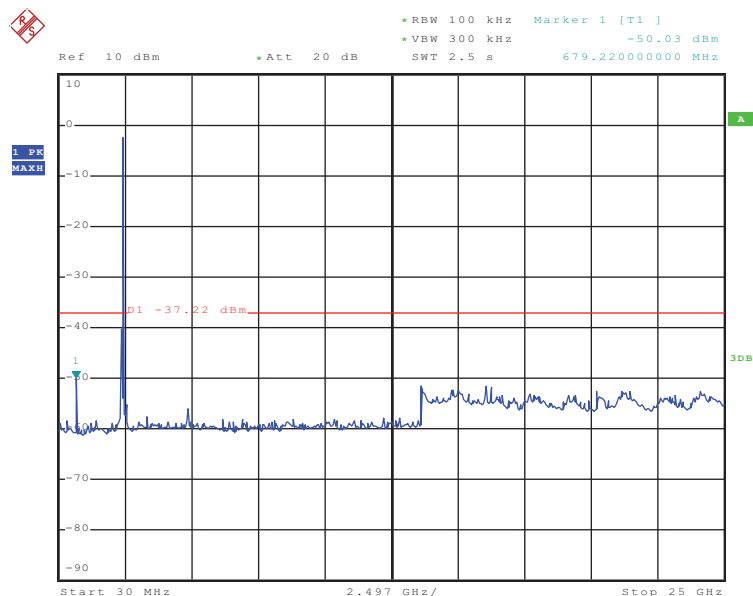
Lowest channel



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

30MHz~25GHz

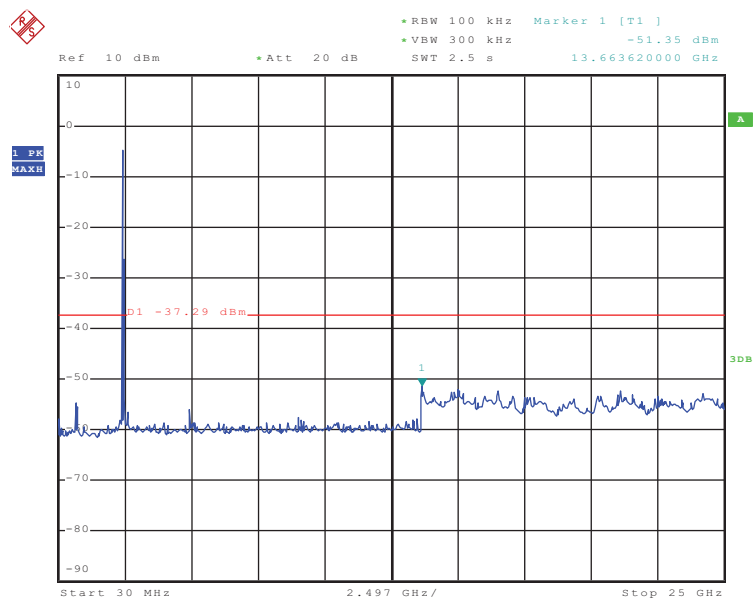
Middle channel



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

30MHz~25GHz

Highest channel

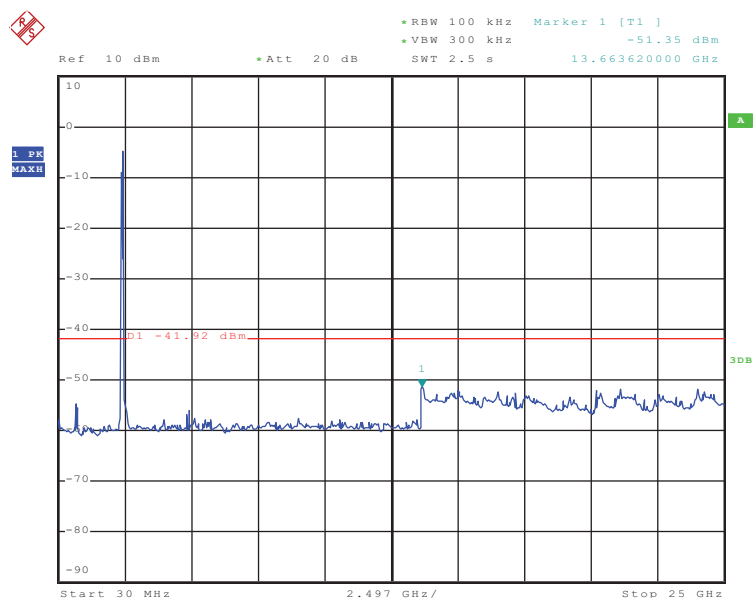


Date: 1.SEP.2015 21:08:49

30MHz~25GHz

Test mode: 802.11n(H40)

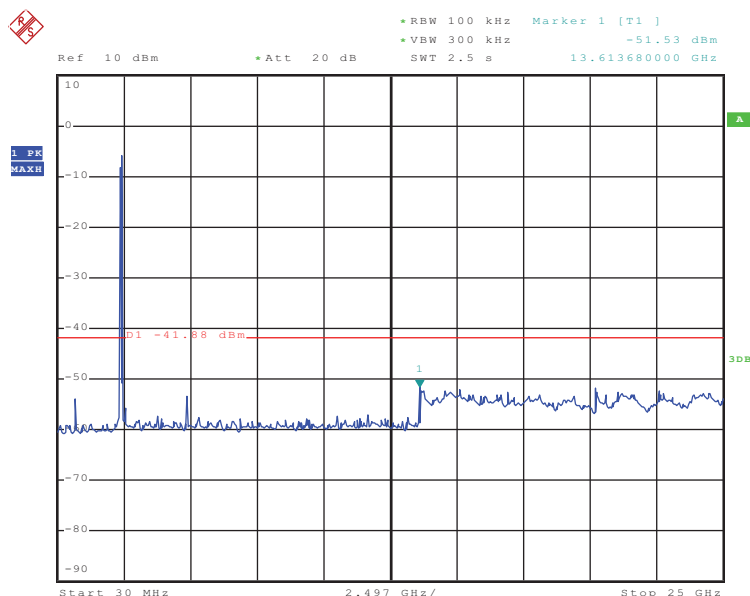
Lowest channel



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

30MHz~25GHz

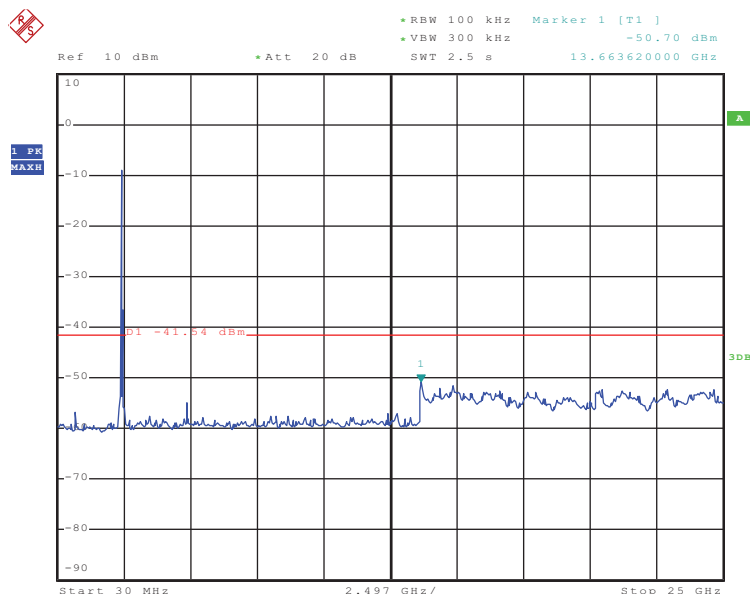
Middle channel



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

30MHz~25GHz

Highest channel

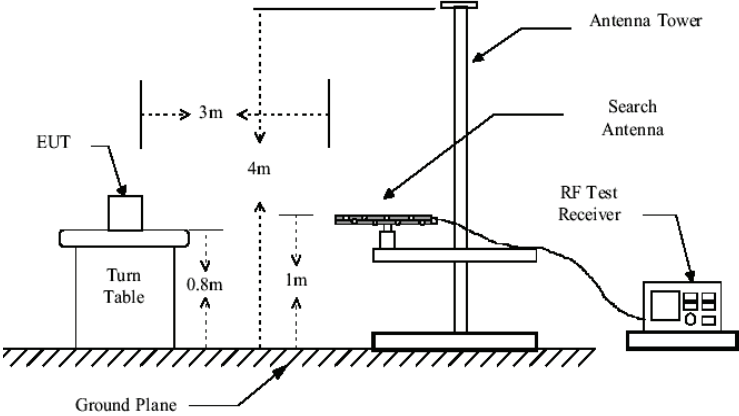
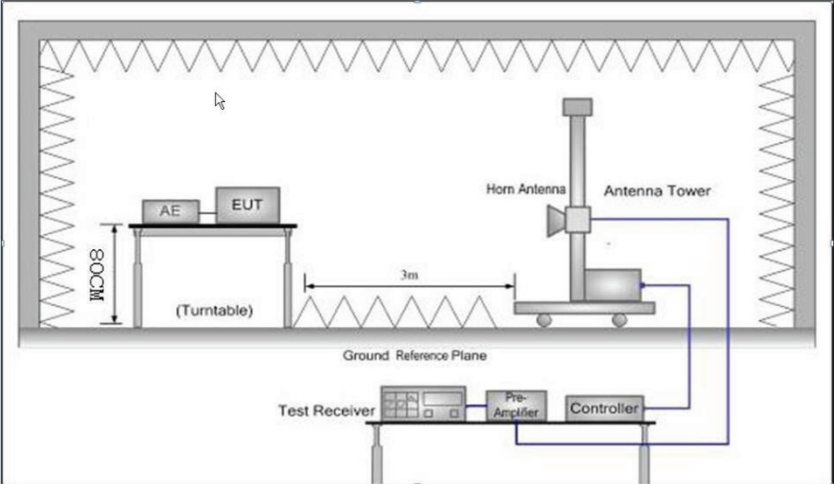


Date: 1.SEP.2015 21:11:59

30MHz~25GHz

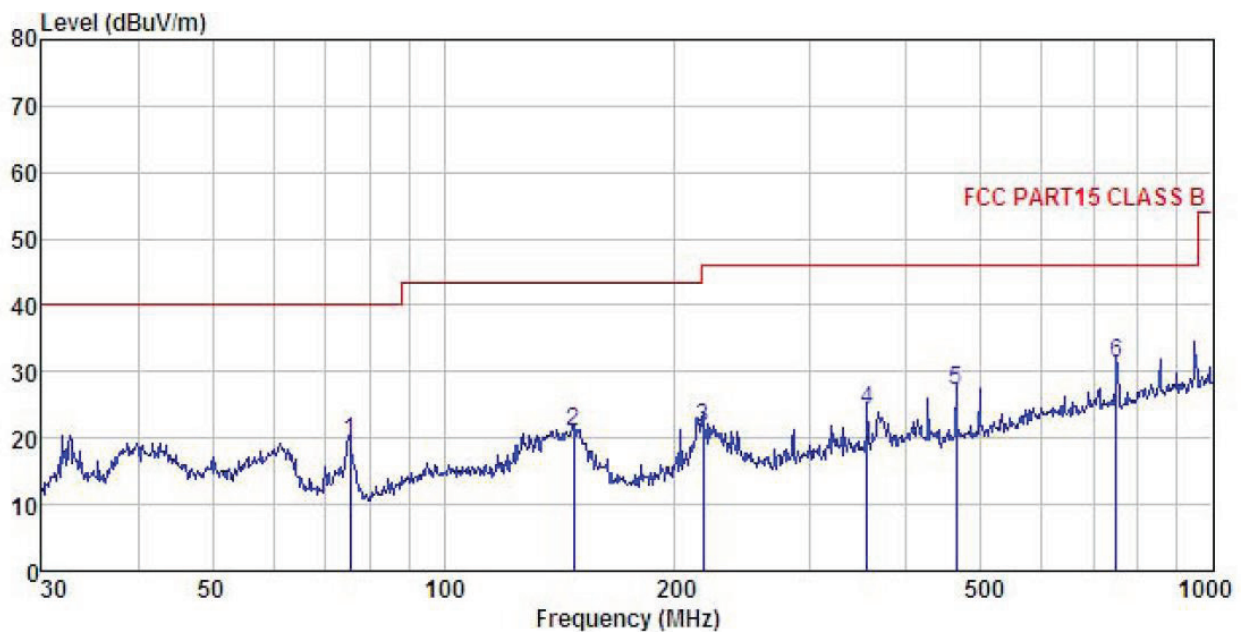
6.7.2 Radiated Emission Method

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
			74.0		Peak Value
Test Procedure:	1. 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. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. 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. 4. 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. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. 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.				

Test setup:	Below 1GHz  Above 1GHz 
Test Instruments:	Refer to section 5.6for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 2. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.

Below 1GHz

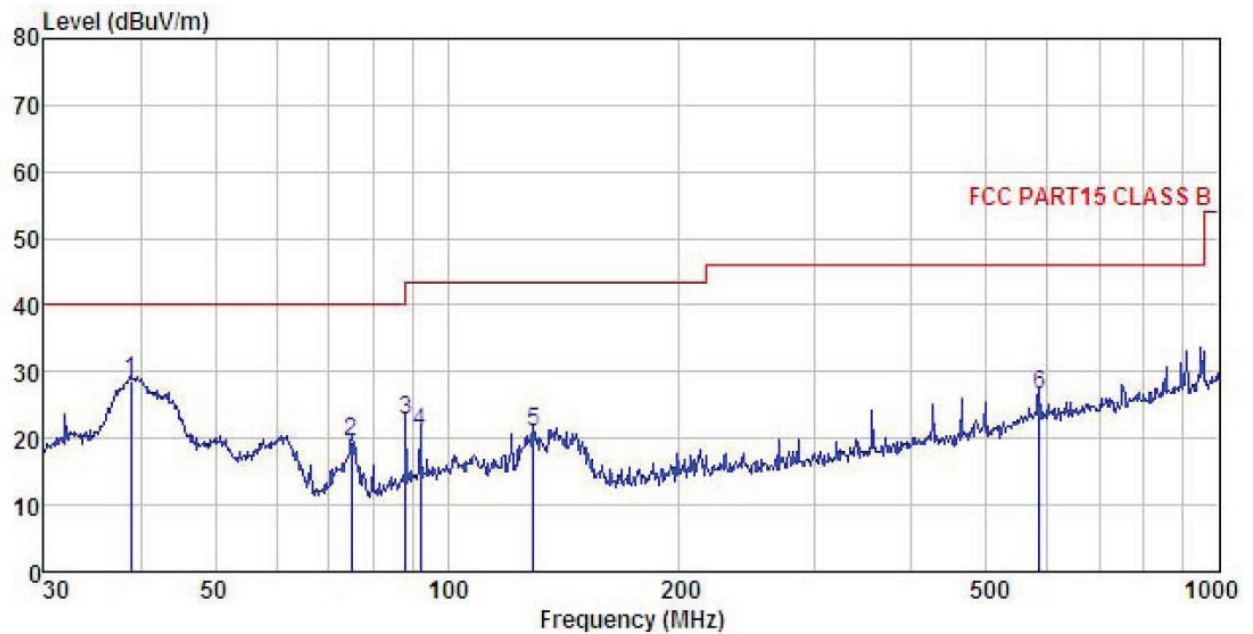
Horizontal :



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 :

	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	dBuV/m	dBuV/m	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		Limit	Over	
	Level	Factor	Loss	Factor	Level	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 – Preamplifier 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

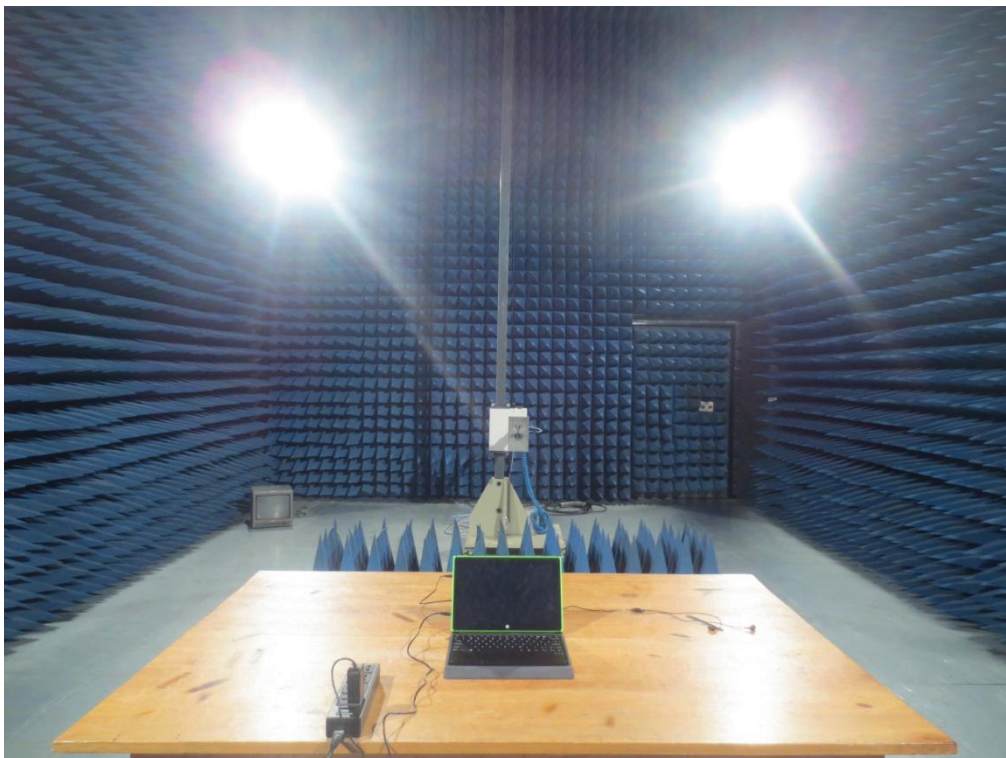
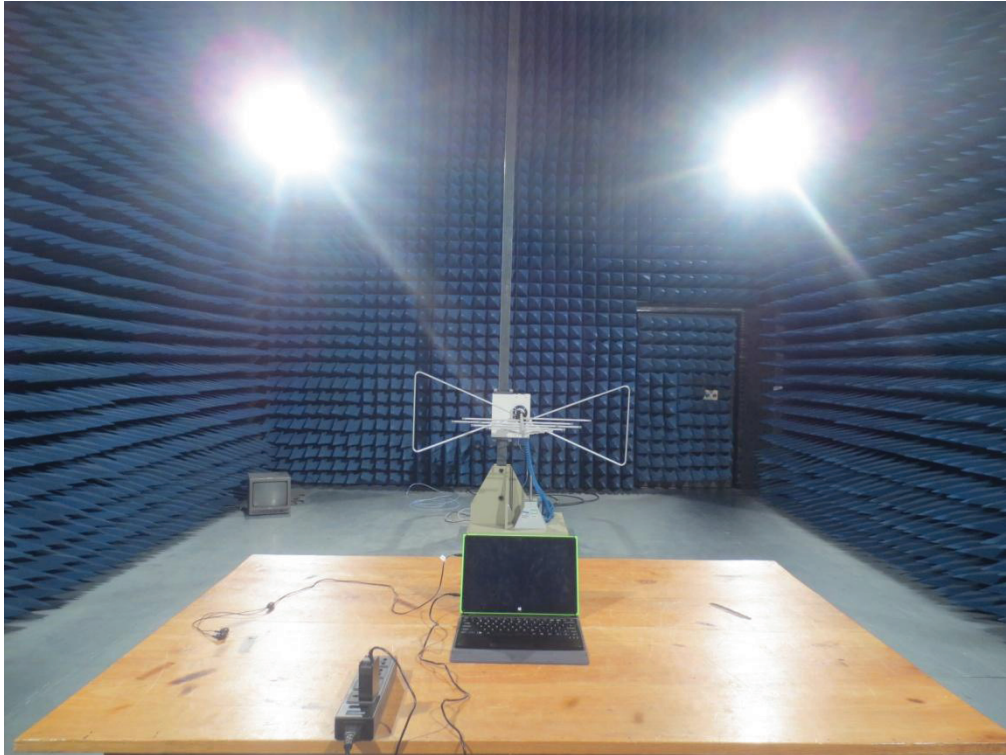
Test mode: 802.11n(H40)			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4904.00	49.67	31.69	9.08	40.03	50.41	74.00	-23.59	Vertical
4904.00	49.71	31.69	9.08	40.03	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:

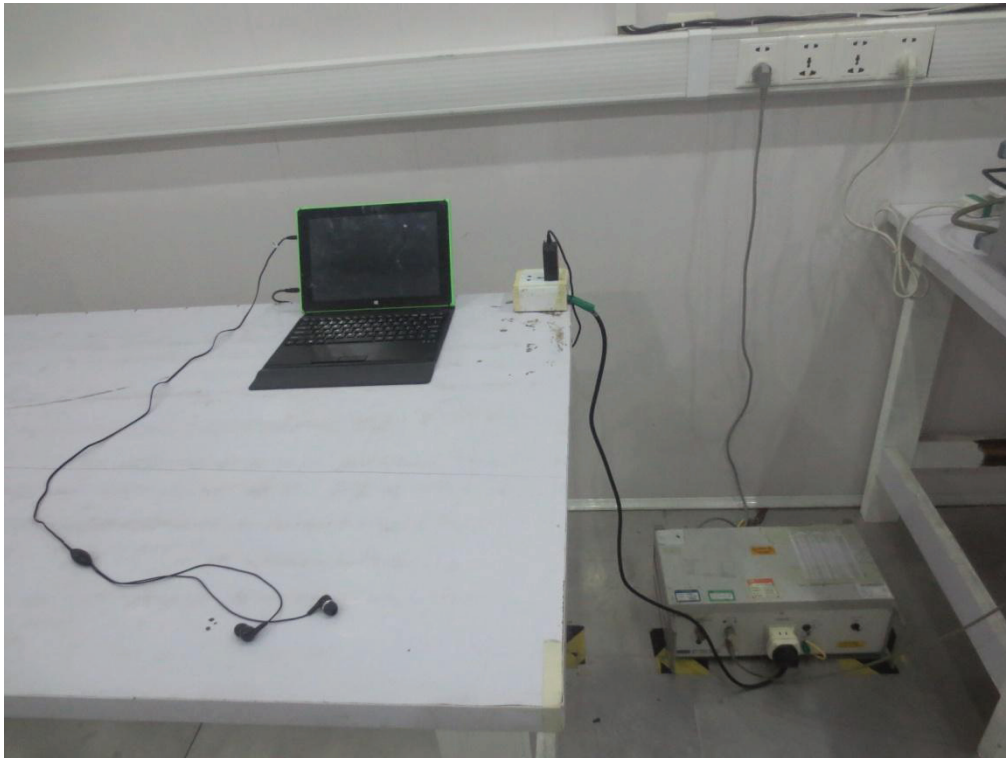
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

7 Test Setup Photo

Radiated Spurious Emission



Conducted Emission



8 EUT Constructional Details

Reference to the test report No. CCIS15060051901

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