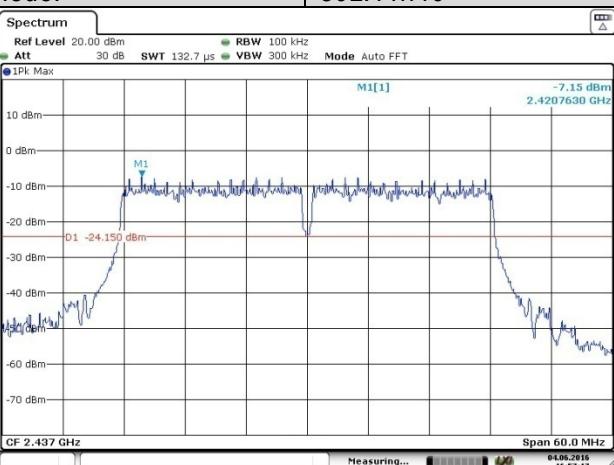
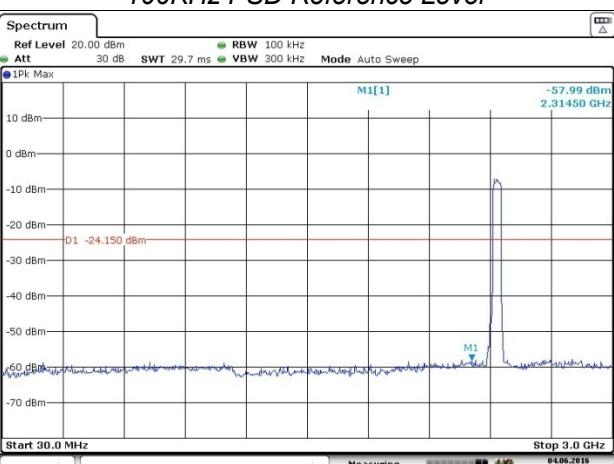
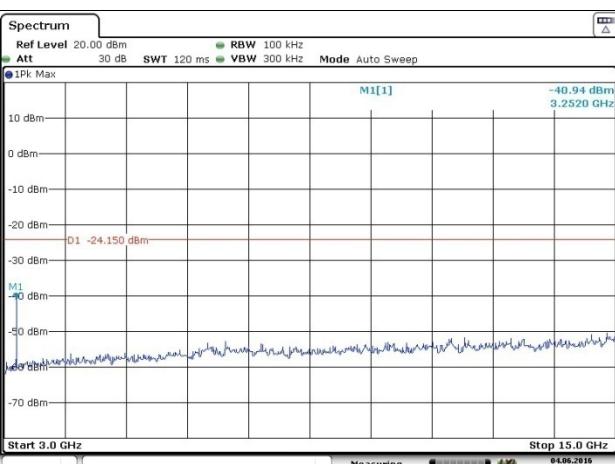
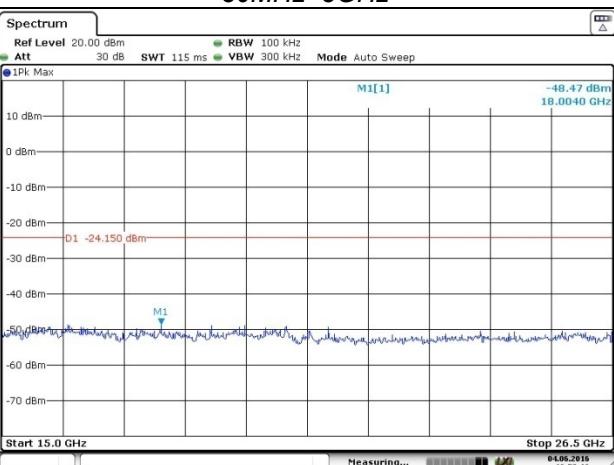
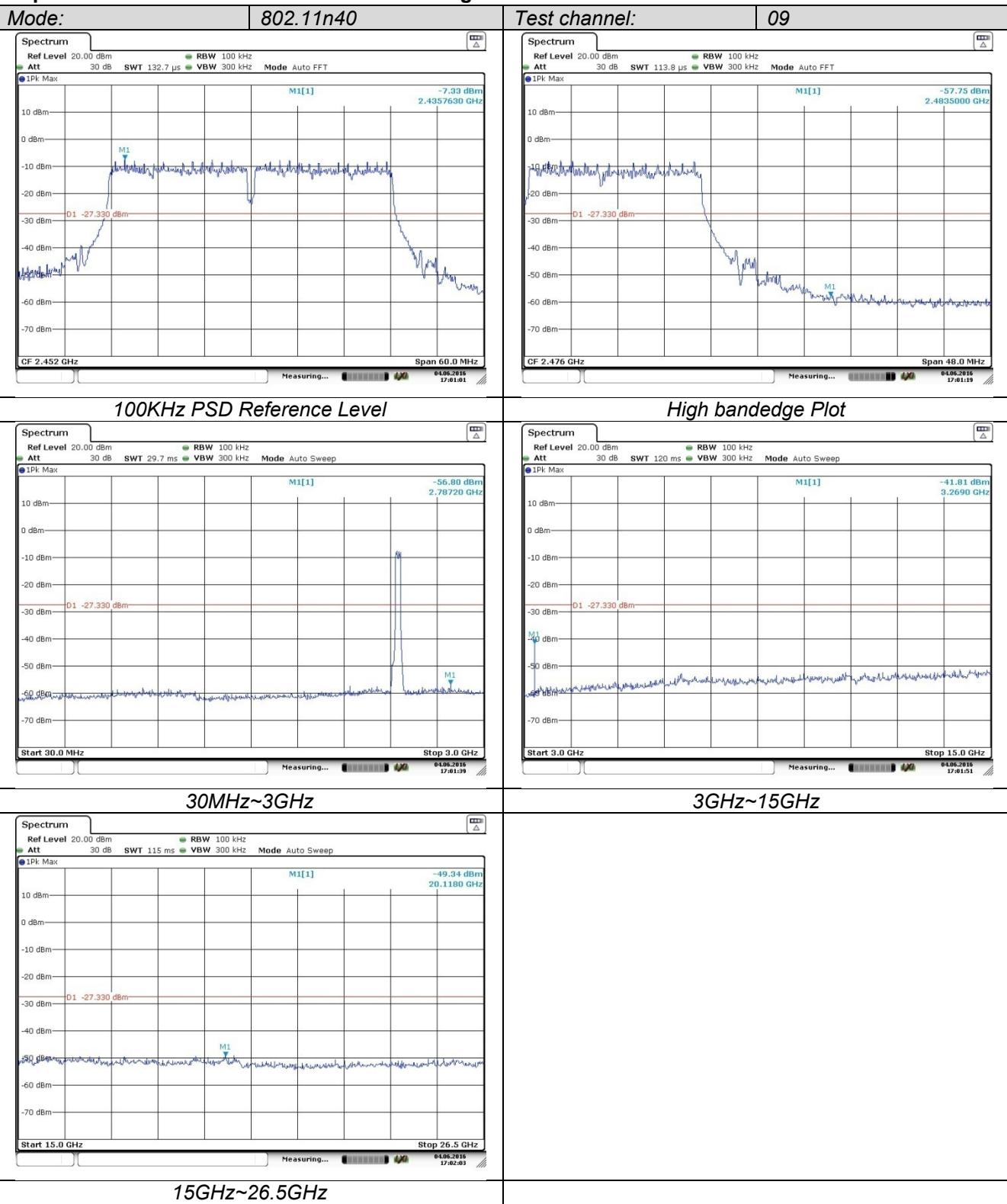


Mode:	802.11n40	Test channel:	06
	 <p>Spectrum Ref Level 20.00 dBm RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT 1Pk Max</p> <p>M1[1] -7.15 dBm 2.4207630 GHz</p> <p>CF 2.437 GHz Span 60.0 MHz</p> <p>Measuring... 04.06.2016 16:57:17</p>		
	<b>100KHz PSD Reference Level</b>		
	 <p>Spectrum Ref Level 20.00 dBm RBW 100 kHz Att 30 dB SWT 29.7 ms VBW 300 kHz Mode Auto Sweep 1Pk Max</p> <p>M1[1] -57.99 dBm 2.31450 GHz</p> <p>O1 -24.150 dBm</p> <p>Start 30.0 MHz Stop 3.0 GHz</p> <p>Measuring... 04.06.2016 16:57:39</p>	 <p>Spectrum Ref Level 20.00 dBm RBW 100 kHz Att 30 dB SWT 120 ms VBW 300 kHz Mode Auto Sweep 1Pk Max</p> <p>M1[1] -40.94 dBm 3.2520 GHz</p> <p>O1 -24.150 dBm</p> <p>Start 3.0 GHz Stop 15.0 GHz</p> <p>Measuring... 04.06.2016 16:58:05</p>	
	<b>30MHz~3GHz</b>		<b>3GHz~15GHz</b>
	 <p>Spectrum Ref Level 20.00 dBm RBW 100 kHz Att 30 dB SWT 115 ms VBW 300 kHz Mode Auto Sweep 1Pk Max</p> <p>M1[1] -48.47 dBm 18.0040 GHz</p> <p>O1 -24.150 dBm</p> <p>Start 15.0 GHz Stop 26.5 GHz</p> <p>Measuring... 04.06.2016 16:59:18</p>		
	<b>15GHz~26.5GHz</b>		



## 4.8. Spurious Emission (radiated)

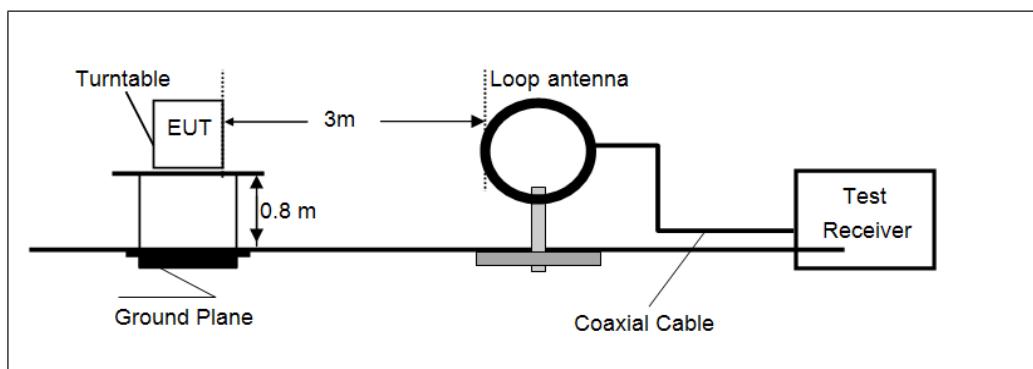
### LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

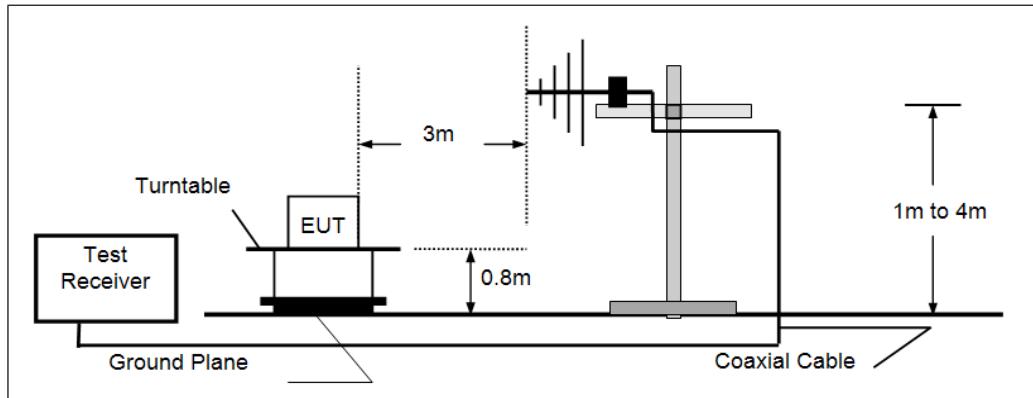
Frequency	Limit (dB <sub>UV</sub> /m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

### TEST CONFIGURATION

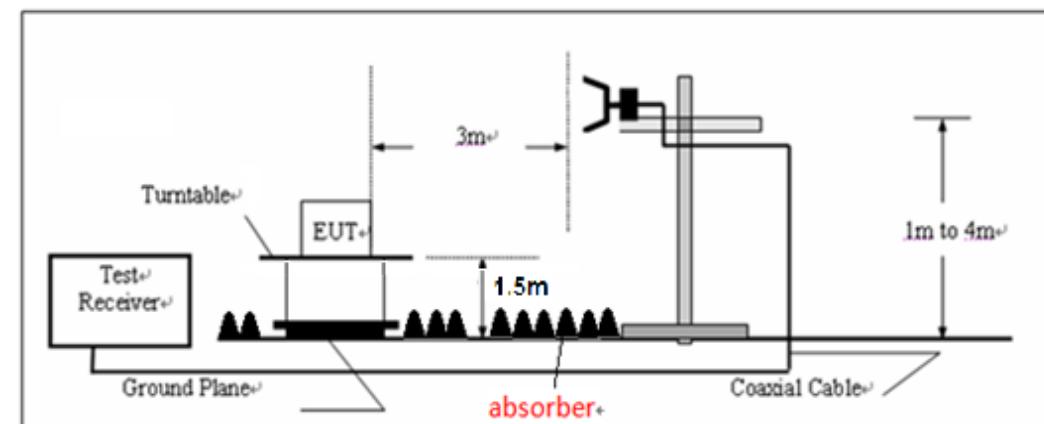
- 9KHz ~30MHz



- 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 be 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 for Peak value  
RBW=1MHz, VBW=3MHz for Average value.

## TEST RESULTS

### **Measurement data:**

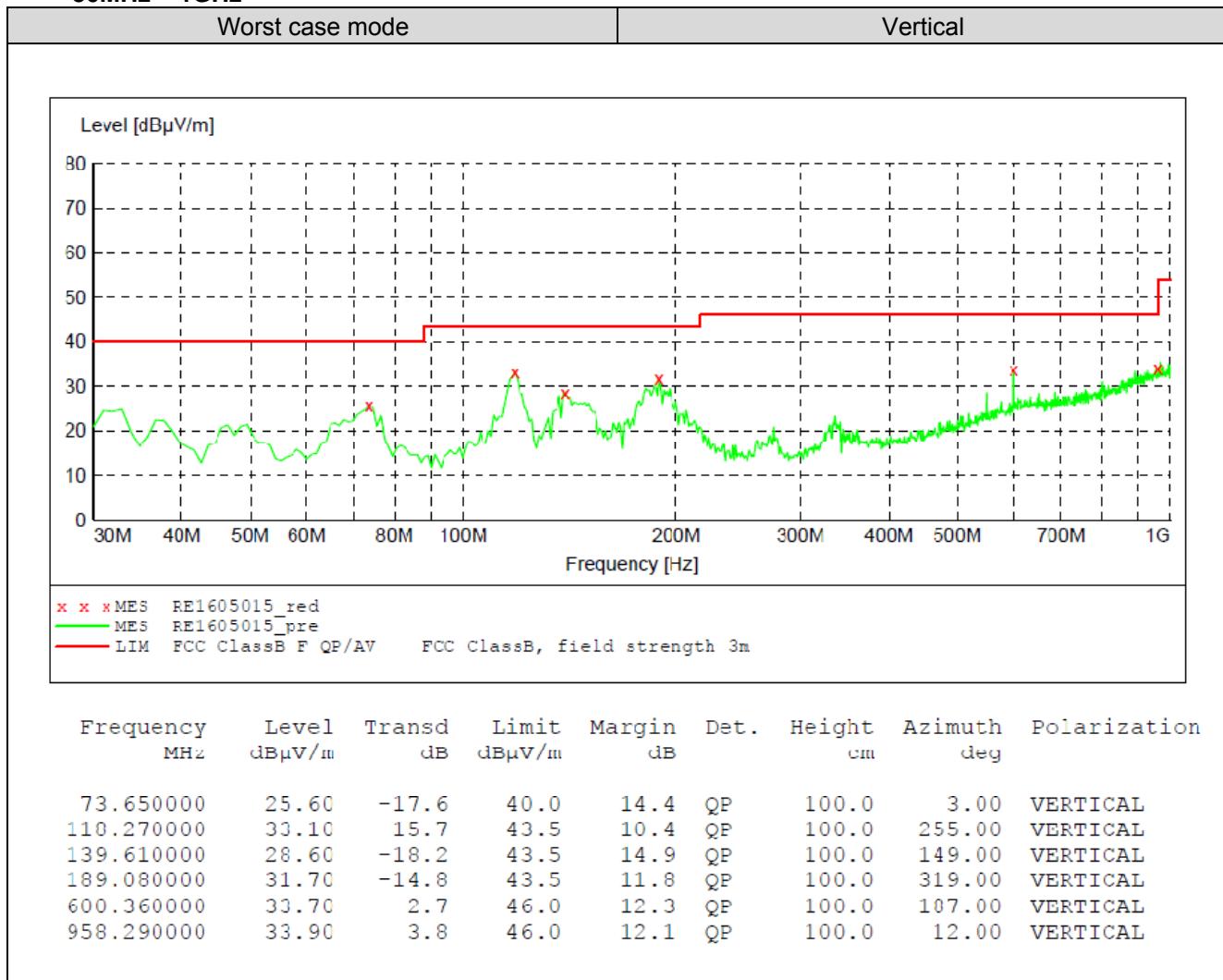
*Remark:*

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “\*”, means 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.

#### **■ 9kHz ~ 30MHz**

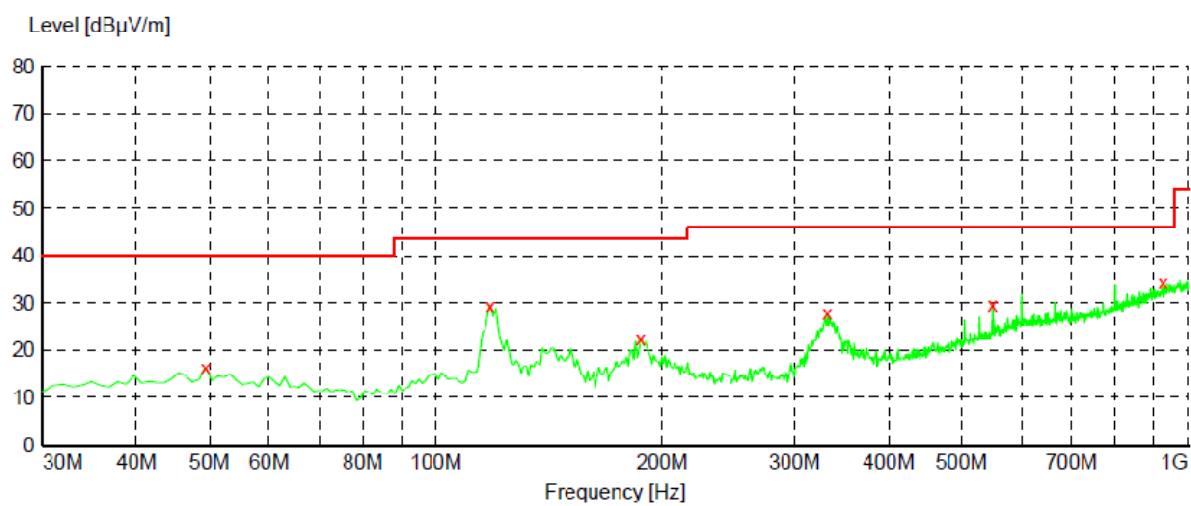
The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not show.

## ■ 30MHz ~ 1GHz



Worst case mode

Horizontal



Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Dst. QP	Height cm	Azimuth deg	Polarization
49.400000	16.30	-14.4	40.0	23.7	QP	300.0	202.00	HORIZONTAL
118.270000	29.50	-15.7	43.5	14.0	QP	300.0	1.00	HORIZONTAL
187.140000	22.50	-15.0	43.5	21.0	QP	100.0	171.00	HORIZONTAL
331.670000	27.90	-12.7	46.0	18.1	QP	100.0	319.00	HORIZONTAL
549.920000	29.60	-4.8	46.0	16.4	QP	100.0	156.00	HORIZONTAL
927.250000	34.40	3.2	46.0	11.6	QP	300.0	234.00	HORIZONTAL

CH01 for 802.11b									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2400.00	48.56	27.58	3.90	35.62	44.42	74.00	-29.58	Vertical	Peak
4824.00	40.32	29.18	8.61	37.99	40.12	74.00	-33.88	Vertical	
7236.00	35.55	36.17	10.95	38.15	44.52	74.00	-29.48	Vertical	
9648.00	37.42	38.2	12.17	38.08	49.71	74.00	-24.29	Vertical	
12060.00	*					74.00		Vertical	
2400.00	47.82	27.58	3.90	35.62	43.68	74.00	-30.32	Horizontal	
4824.00	38.68	32	9.53	38.39	41.82	74.00	-32.18	Horizontal	
7236.00	38.16	35.92	6.94	35.18	45.84	74.00	-28.16	Horizontal	
9648.00	40.83	38.2	12.17	38.08	53.12	74.00	-20.88	Horizontal	
12060.00	*					74.00		Horizontal	
2400.00	40.88	27.58	3.90	35.62	36.74	54.00	-17.26	Vertical	Average
4824.00	40.3	29.18	8.61	37.99	40.1	54.00	-13.90	Vertical	
7236.00	28.25	36.17	10.95	38.15	37.22	54.00	-16.78	Vertical	
9648.00	27.58	38.2	12.17	38.08	39.87	54.00	-14.13	Vertical	
12060.00	*					54.00		Vertical	
2400.00	39.92	27.58	3.90	35.62	35.78	54.00	-18.22	Horizontal	
4824.00	41.24	32	9.53	38.39	44.38	54.00	-9.62	Horizontal	
7236.00	28.78	35.92	6.94	35.18	36.46	54.00	-17.54	Horizontal	
9648.00	27.73	38.2	12.17	38.08	40.02	54.00	-13.98	Horizontal	
12060.00	*					54.00		Horizontal	
CH06 for 802.11b									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
4874.00	39.35	30.91	8.99	38.34	40.91	74.00	-33.09	Vertical	Peak
7311.00	35.56	35.44	10.53	38.02	43.51	74.00	-30.49	Vertical	
9748.00	37.59	38.02	12.17	38.08	49.70	74.00	-24.30	Vertical	
12185.00	*					74.00		Vertical	
4874.00	38.61	30.24	8.81	38.17	39.49	74.00	-34.51	Horizontal	
7311.00	36.60	35.44	10.53	38.02	44.55	74.00	-29.45	Horizontal	
9748.00	37.54	38.2	12.17	38.08	49.83	74.00	-24.17	Horizontal	
12185.00	*					74.00		Horizontal	
4874.00	40.02	30.91	8.99	38.34	41.58	54.00	-12.42	Vertical	Average
7311.00	29.57	35.44	10.53	38.02	37.52	54.00	-16.48	Vertical	
9748.00	27.76	38.02	12.17	38.08	39.87	54.00	-14.13	Vertical	
12185.00	*					54.00		Vertical	
4874.00	43.75	30.24	8.81	38.17	44.63	54.00	-19.37	Horizontal	
7311.00	28.53	35.44	10.53	38.02	36.48	54.00	-17.52	Horizontal	
9748.00	27.56	38.2	12.17	38.08	39.85	54.00	-14.15	Horizontal	
12185.00	*					54.00		Horizontal	

Remark:

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “\*\*”, means 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.

CH11 for 802.11b									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.50	49.16	27.85	3.96	35.65	45.32	74.00	-28.68	Vertical	Peak
4924.00	45.34	31.17	9.31	38.62	47.20	74.00	-26.80	Vertical	
7386.00	36.11	36.72	11.24	38.24	45.83	74.00	-28.17	Vertical	
9848.00	37.54	38.33	12.39	38.12	50.14	74.00	-23.86	Vertical	
12310.00	*					74.00		Vertical	
2400.00	47.36	27.85	3.96	35.65	43.52	74.00	-30.48	Horizontal	
4924.00	49.00	31.17	9.31	38.62	50.86	74.00	-23.14	Horizontal	
7386.00	39.41	36.13	10.93	38.14	48.33	74.00	-25.67	Horizontal	
9848.00	41.02	38.33	12.39	38.12	53.62	74.00	-20.38	Horizontal	
12310.00	*					74.00		Horizontal	
2483.50	41.36	27.85	3.96	35.65	37.52	54.00	-16.48	Vertical	Average
4924.00	39.26	31.17	9.31	38.62	41.12	54.00	-12.88	Vertical	
7386.00	27.95	36.72	11.24	38.24	37.67	54.00	-16.33	Vertical	
9848.00	26.65	38.33	12.39	38.12	39.25	54.00	-14.75	Vertical	
12310.00	*					54.00		Vertical	
2483.50	39.20	27.85	3.96	35.65	35.36	54.00	-18.64	Horizontal	
4924.00	43.01	31.17	9.31	38.62	44.87	54.00	-9.13	Horizontal	
7386.00	26.60	36.13	10.93	38.14	35.52	54.00	-18.48	Horizontal	
9848.00	28.49	38.33	12.39	38.12	41.09	54.00	-12.91	Horizontal	
12310.00	*					54.00		Horizontal	

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “\*”, means 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.

## CH01 for 802.11g

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2400.00	47.56	27.58	3.90	35.62	43.42	74.00	-30.58	Vertical	Peak
4824.00	43.85	29.18	8.61	37.99	43.65	74.00	-30.35	Vertical	
7236.00	33.58	36.17	10.95	38.15	42.55	74.00	-31.45	Vertical	
9648.00	35.30	38.2	12.17	38.08	47.59	74.00	-26.41	Vertical	
12060.00	*					74.00		Vertical	
2400.00	45.90	27.58	3.90	35.62	41.76	74.00	-32.24	Horizontal	
4824.00	41.37	32	9.53	38.39	44.51	74.00	-29.49	Horizontal	
7236.00	36.06	35.92	6.94	35.18	43.74	74.00	-30.26	Horizontal	
9648.00	35.64	38.2	12.17	38.08	47.93	74.00	-26.07	Horizontal	
12060.00	*					74.00		Horizontal	
2400.00	39.92	27.58	3.90	35.62	35.78	54.00	-18.22	Vertical	Average
4824.00	38.84	29.18	8.61	37.99	38.64	54.00	-15.36	Vertical	
7236.00	28.25	36.17	10.95	38.15	37.22	54.00	-16.78	Vertical	
9648.00	27.58	38.2	12.17	38.08	39.87	54.00	-14.13	Vertical	
12060.00	*					54.00		Vertical	
2400.00	39.39	27.58	3.90	35.62	35.25	54.00	-18.75	Horizontal	
4824.00	34.85	32	9.53	38.39	37.99	54.00	-16.01	Horizontal	
7236.00	29.30	35.92	6.94	35.18	36.98	54.00	-17.02	Horizontal	
9648.00	27.45	38.2	12.17	38.08	39.74	54.00	-14.26	Horizontal	
12060.00	*					54.00		Horizontal	

## CH06 for 802.11g

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
4874.00	43.01	30.91	8.99	38.34	44.57	74.00	-29.43	Vertical	Peak
7311.00	34.54	35.44	10.53	38.02	42.49	74.00	-31.51	Vertical	
9748.00	36.41	38.02	12.17	38.08	48.52	74.00	-25.48	Vertical	
12185.00	*					74.00		Vertical	
4874.00	44.65	30.24	8.81	38.17	45.53	74.00	-28.47	Horizontal	
7311.00	35.63	35.44	10.53	38.02	43.58	74.00	-30.42	Horizontal	
9748.00	34.95	38.2	12.17	38.08	47.24	74.00	-26.76	Horizontal	
12185.00	*					74.00		Horizontal	
4874.00	36.49	30.91	8.99	38.34	38.05	54.00	-15.95	Vertical	Average
7311.00	28.99	35.44	10.53	38.02	36.94	54.00	-17.06	Vertical	
9748.00	27.71	38.02	12.17	38.08	39.82	54.00	-14.18	Vertical	
12185.00	*					54.00		Vertical	
4874.00	37.78	30.24	8.81	38.17	38.66	54.00	-15.34	Horizontal	
7311.00	28.56	35.44	10.53	38.02	36.51	54.00	-17.49	Horizontal	
9748.00	28.38	38.2	12.17	38.08	40.67	54.00	-13.33	Horizontal	
12185.00	*					54.00		Horizontal	

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “\*”, means 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.

CH11 for 802.11g									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.50	47.48	27.85	3.96	35.65	43.64	74.00	-30.36	Vertical	Peak
4924.00	41.68	31.17	9.31	38.62	43.54	74.00	-30.46	Vertical	
7386.00	33.64	36.72	11.24	38.24	43.36	74.00	-30.64	Vertical	
9848.00	35.32	38.33	12.39	38.12	47.92	74.00	-26.08	Vertical	
12310.00	*					74.00		Vertical	
2483.50	45.44	27.85	3.96	35.65	41.60	74.00	-32.40	Horizontal	
4924.00	43.18	31.17	9.31	38.62	45.04	74.00	-28.96	Horizontal	
7386.00	34.24	36.13	10.93	38.14	43.16	74.00	-30.84	Horizontal	
9848.00	34.38	38.33	12.39	38.12	46.98	74.00	-27.02	Horizontal	
12310.00	*					74.00		Horizontal	
2483.50	39.29	27.85	3.96	35.65	35.45	54.00	-18.55	Vertical	Average
4924.00	36.16	31.17	9.31	38.62	38.02	54.00	-15.98	Vertical	
7386.00	28.24	36.72	11.24	38.24	37.96	54.00	-16.04	Vertical	
9848.00	27.35	38.33	12.39	38.12	39.95	54.00	-14.05	Vertical	
12310.00	*					54.00		Vertical	
2483.50	38.71	27.85	3.96	35.65	34.87	54.00	-19.13	Horizontal	
4924.00	36.73	31.17	9.31	38.62	38.59	54.00	-15.41	Horizontal	
7386.00	28.45	36.13	10.93	38.14	37.37	54.00	-16.63	Horizontal	
9848.00	27.00	38.33	12.39	38.12	39.60	54.00	-14.40	Horizontal	
12310.00	*					54.00		Horizontal	

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “\*”, means 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.

CH01 for 802.11n(H20)									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2400.00	47.80	27.58	3.90	35.62	43.66	74.00	-30.34	Vertical	Peak
4824.00	41.05	29.18	8.61	37.99	40.85	74.00	-33.15		
7236.00	34.59	36.17	10.95	38.15	43.56	74.00	-30.44	Vertical	
9648.00	35.68	38.2	12.17	38.08	47.97	74.00	-26.03	Vertical	
12060.00	*					74.00		Vertical	
2400.00	45.46	27.58	3.90	35.62	41.32	74.00	-32.68	Horizontal	
4824.00	34.28	32	9.53	38.39	37.42	74.00	-36.58	Horizontal	
7236.00	38.91	35.92	6.94	35.18	46.59	74.00	-27.41	Horizontal	
9648.00	35.55	38.2	12.17	38.08	47.84	74.00	-26.16	Horizontal	
12060.00	*					74.00		Horizontal	
2400.00	39.38	27.58	3.90	35.62	35.24	54.00	-18.76	Vertical	Average
4824.00	35.61	29.18	8.61	37.99	35.41	54.00	-18.59	Vertical	
7236.00	27.67	36.17	10.95	38.15	36.64	54.00	-17.36	Vertical	
9648.00	26.45	38.2	12.17	38.08	38.74	54.00	-15.26	Vertical	
12060.00	*					54.00		Vertical	
2400.00	39.35	27.58	3.90	35.62	35.21	54.00	-18.79	Horizontal	
4824.00	33.48	32	9.53	38.39	36.62	54.00	-17.38	Horizontal	
7236.00	29.41	35.92	6.94	35.18	37.09	54.00	-16.91	Horizontal	
9648.00	28.54	38.2	12.17	38.08	40.83	54.00	-13.17	Horizontal	
12060.00	*					54.00		Horizontal	
CH06 for 802.11n(H20)									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
4874.00	39.43	30.91	8.99	38.34	40.99	74.00	-33.01	Vertical	Peak
7311.00	35.79	35.44	10.53	38.02	43.74	74.00	-30.26	Vertical	
9748.00	34.72	38.02	12.17	38.08	46.83	74.00	-27.17	Vertical	
12185.00	*					74.00		Vertical	
4874.00	41.59	30.24	8.81	38.17	42.47	74.00	-31.53	Horizontal	
7311.00	35.61	35.44	10.53	38.02	43.56	74.00	-30.44	Horizontal	
9748.00	35.30	38.2	12.17	38.08	47.59	74.00	-26.41	Horizontal	
12185.00	*					74.00		Horizontal	
4874.00	34.39	30.91	8.99	38.34	35.95	54.00	-18.05	Vertical	Average
7311.00	27.45	35.44	10.53	38.02	35.40	54.00	-18.60	Vertical	
9748.00	27.38	38.02	12.17	38.08	39.49	54.00	-14.51	Vertical	
12185.00	*					54.00		Vertical	
4874.00	34.98	30.24	8.81	38.17	35.86	54.00	-18.14	Horizontal	
7311.00	29.35	35.44	10.53	38.02	37.30	54.00	-16.70	Horizontal	
9748.00	27.29	38.2	12.17	38.08	39.58	54.00	-14.42	Horizontal	
12185.00	*					54.00		Horizontal	

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “\*”, means 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.

CH11 for 802.11n(H20)									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.50	46.38	27.85	3.96	35.65	42.54	74.00	-31.46	Vertical	Peak
4924.00	39.44	31.17	9.31	38.62	41.30	74.00	-32.70		
7386.00	33.65	36.72	11.24	38.24	43.37	74.00	-30.63	Vertical	
9848.00	34.93	38.33	12.39	38.12	47.53	74.00	-26.47	Vertical	
12310.00	*					74.00		Vertical	
2483.50	45.54	27.85	3.96	35.65	41.70	74.00	-32.30	Horizontal	
4924.00	41.05	31.17	9.31	38.62	42.91	74.00	-31.09	Horizontal	
7386.00	35.69	36.13	10.93	38.14	44.61	74.00	-29.39	Horizontal	
9848.00	35.74	38.33	12.39	38.12	48.34	74.00	-25.66	Horizontal	
12310.00	*					74.00		Horizontal	
2483.50	39.99	27.85	3.96	35.65	36.15	54.00	-17.85	Vertical	Average
4924.00	33.45	31.17	9.31	38.62	35.31	54.00	-18.69	Vertical	
7386.00	27.45	36.72	11.24	38.24	37.17	54.00	-16.83	Vertical	
9848.00	27.56	38.33	12.39	38.12	40.16	54.00	-13.84	Vertical	
12310.00	*					54.00		Vertical	
2483.50	38.72	27.85	3.96	35.65	34.88	54.00	-19.12	Horizontal	
4924.00	34.36	31.17	9.31	38.62	36.22	54.00	-17.78	Horizontal	
7386.00	28.63	36.13	10.93	38.14	37.55	54.00	-16.45	Horizontal	
9848.00	27.54	38.33	12.39	38.12	40.14	54.00	-13.86	Horizontal	
12310.00	*					54.00		Horizontal	

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “\*”, means 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.

CH03 for 802.11n(H40)									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2400.00	47.15	27.58	3.90	35.62	43.01	74.00	-30.99	Vertical	Peak
4824.00	41.25	29.18	8.61	37.99	41.05	74.00	-32.95		
7236.00	33.55	36.17	10.95	38.15	42.52	74.00	-31.48	Vertical	
9648.00	34.87	38.2	12.17	38.08	47.16	74.00	-26.84	Vertical	
12060.00	*					74.00		Vertical	
2400.00	46.62	27.58	3.90	35.62	42.48	74.00	-31.52	Horizontal	
4824.00	39.75	32	9.53	38.39	42.89	74.00	-31.11	Horizontal	
7236.00	36.97	35.92	6.94	35.18	44.65	74.00	-29.35	Horizontal	
9648.00	35.75	38.2	12.17	38.08	48.04	74.00	-25.96	Horizontal	
12060.00	*					74.00		Horizontal	
2400.00	39.80	27.58	3.90	35.62	35.66	54.00	-18.34	Vertical	Average
4824.00	35.62	29.18	8.61	37.99	35.42	54.00	-18.58	Vertical	
7236.00	27.82	36.17	10.95	38.15	36.79	54.00	-17.21	Vertical	
9648.00	27.47	38.2	12.17	38.08	39.76	54.00	-14.24	Vertical	
12060.00	*					54.00		Vertical	
2400.00	40.15	27.58	3.90	35.62	36.01	54.00	-17.99	Horizontal	
4824.00	35.38	32	9.53	38.39	38.52	54.00	-15.48	Horizontal	
7236.00	30.40	35.92	6.94	35.18	38.08	54.00	-15.92	Horizontal	
9648.00	27.24	38.2	12.17	38.08	39.53	54.00	-14.47	Horizontal	
12060.00	*					54.00		Horizontal	
CH06 for 802.11n(H40)									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
4874.00	39.13	30.91	8.99	38.34	40.69	74.00	-33.31	Vertical	Peak
7311.00	34.59	35.44	10.53	38.02	42.54	74.00	-31.46	Vertical	
9748.00	35.52	38.02	12.17	38.08	47.63	74.00	-26.37	Vertical	
12185.00	*					74.00		Vertical	
4874.00	40.15	30.24	8.81	38.17	41.03	74.00	-32.97	Horizontal	
7311.00	35.51	35.44	10.53	38.02	43.46	74.00	-30.54	Horizontal	
9748.00	35.60	38.2	12.17	38.08	47.89	74.00	-26.11	Horizontal	
12185.00	*					74.00		Horizontal	
4874.00	34.82	30.91	8.99	38.34	36.38	54.00	-17.62	Vertical	Average
7311.00	27.35	35.44	10.53	38.02	35.30	54.00	-18.70	Vertical	
9748.00	27.63	38.02	12.17	38.08	39.74	54.00	-14.26	Vertical	
12185.00	*					54.00		Vertical	
4874.00	36.58	30.24	8.81	38.17	37.46	54.00	-16.54	Horizontal	
7311.00	29.04	35.44	10.53	38.02	36.99	54.00	-17.01	Horizontal	
9748.00	27.46	38.2	12.17	38.08	39.75	54.00	-14.25	Horizontal	
12185.00	*					54.00		Horizontal	

## Remark:

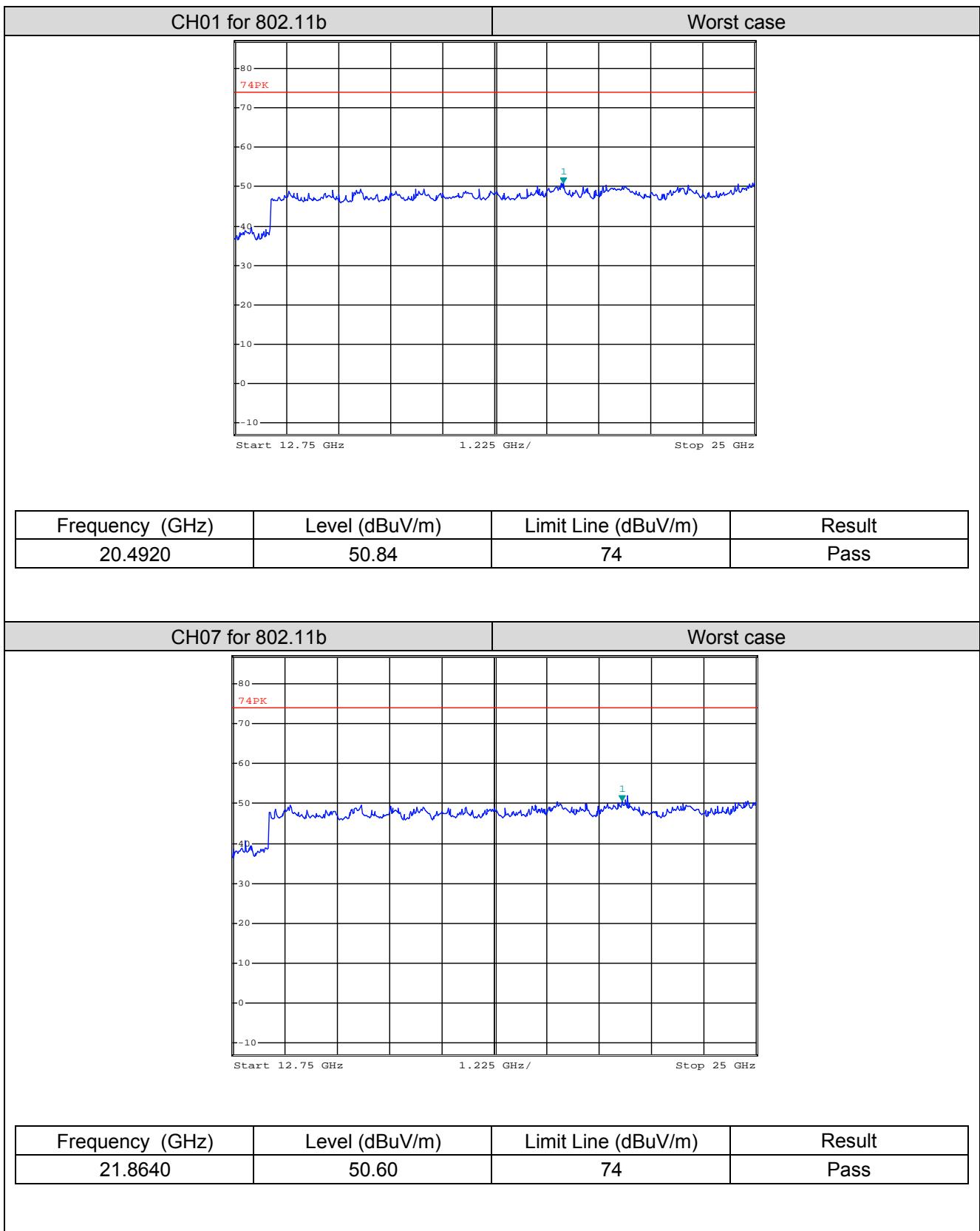
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “\*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

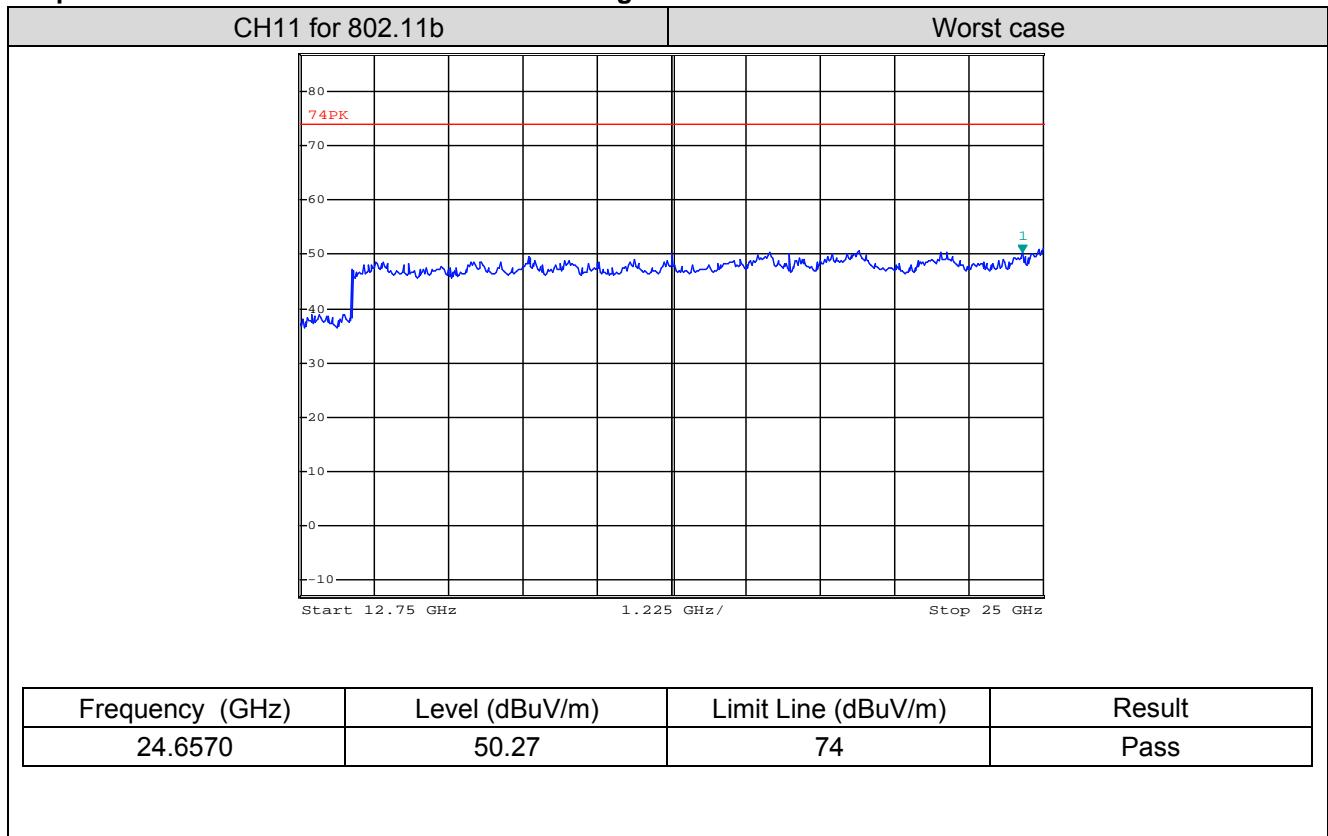
CH09 for 802.11n(H40)									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preampl Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.50	46.25	27.85	3.96	35.65	42.41	74.00	-31.59	Vertical	Peak
4924.00	39.41	31.17	9.31	38.62	41.27	74.00	-32.73		
7386.00	33.69	36.72	11.24	38.24	43.41	74.00	-30.59	Vertical	
9848.00	34.94	38.33	12.39	38.12	47.54	74.00	-26.46	Vertical	
12310.00	*					74.00		Vertical	
2483.50	45.45	27.85	3.96	35.65	41.61	74.00	-32.39	Horizontal	
4924.00	41.50	31.17	9.31	38.62	43.36	74.00	-30.64	Horizontal	
7386.00	35.00	36.13	10.93	38.14	43.92	74.00	-30.08	Horizontal	
9848.00	35.71	38.33	12.39	38.12	48.31	74.00	-25.69	Horizontal	
12310.00	*					74.00		Horizontal	
2483.50	39.00	27.85	3.96	35.65	35.16	54.00	-18.84	Vertical	Average
4924.00	33.42	31.17	9.31	38.62	35.28	54.00	-18.72	Vertical	
7386.00	27.15	36.72	11.24	38.24	36.87	54.00	-17.13	Vertical	
9848.00	26.18	38.33	12.39	38.12	38.78	54.00	-15.22	Vertical	
12310.00	*					54.00		Vertical	
2483.50	39.15	27.85	3.96	35.65	35.31	54.00	-18.69	Horizontal	
4924.00	34.57	31.17	9.31	38.62	36.43	54.00	-17.57	Horizontal	
7386.00	28.61	36.13	10.93	38.14	37.53	54.00	-16.47	Horizontal	
9848.00	27.55	38.33	12.39	38.12	40.15	54.00	-13.85	Horizontal	
12310.00	*					54.00		Horizontal	

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “\*”, means 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.

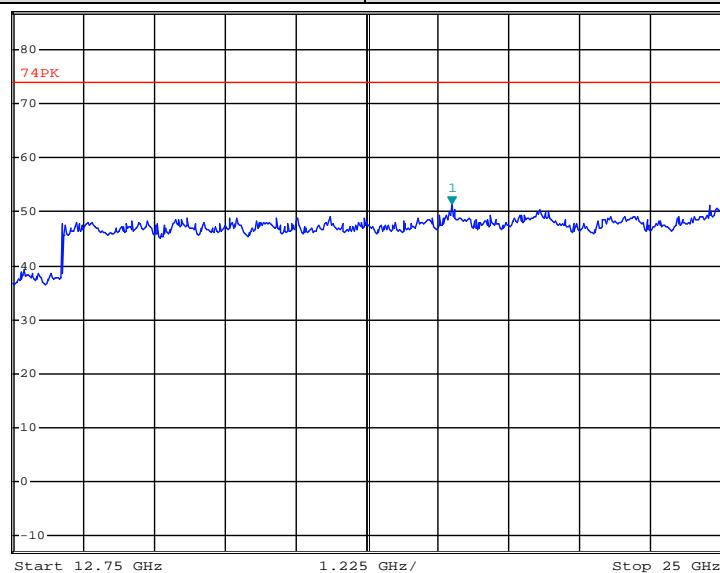
## ■ Above 12.75GHz ~25 GHz





CH01 for 802.11g

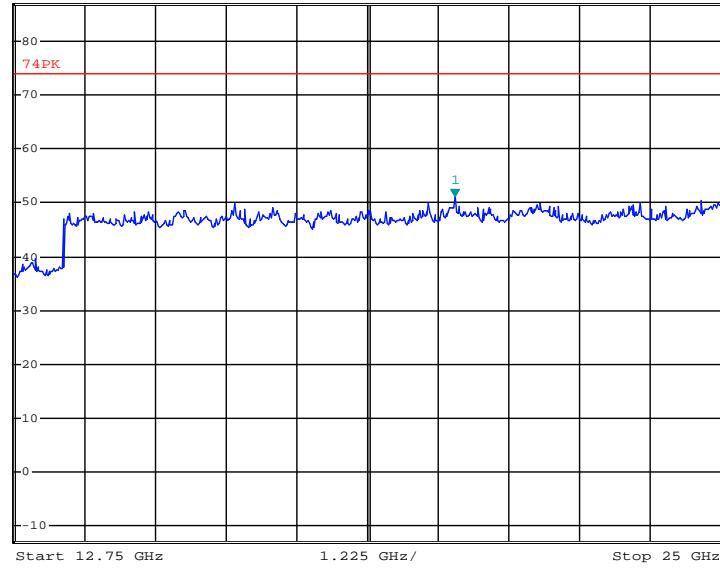
Worst case



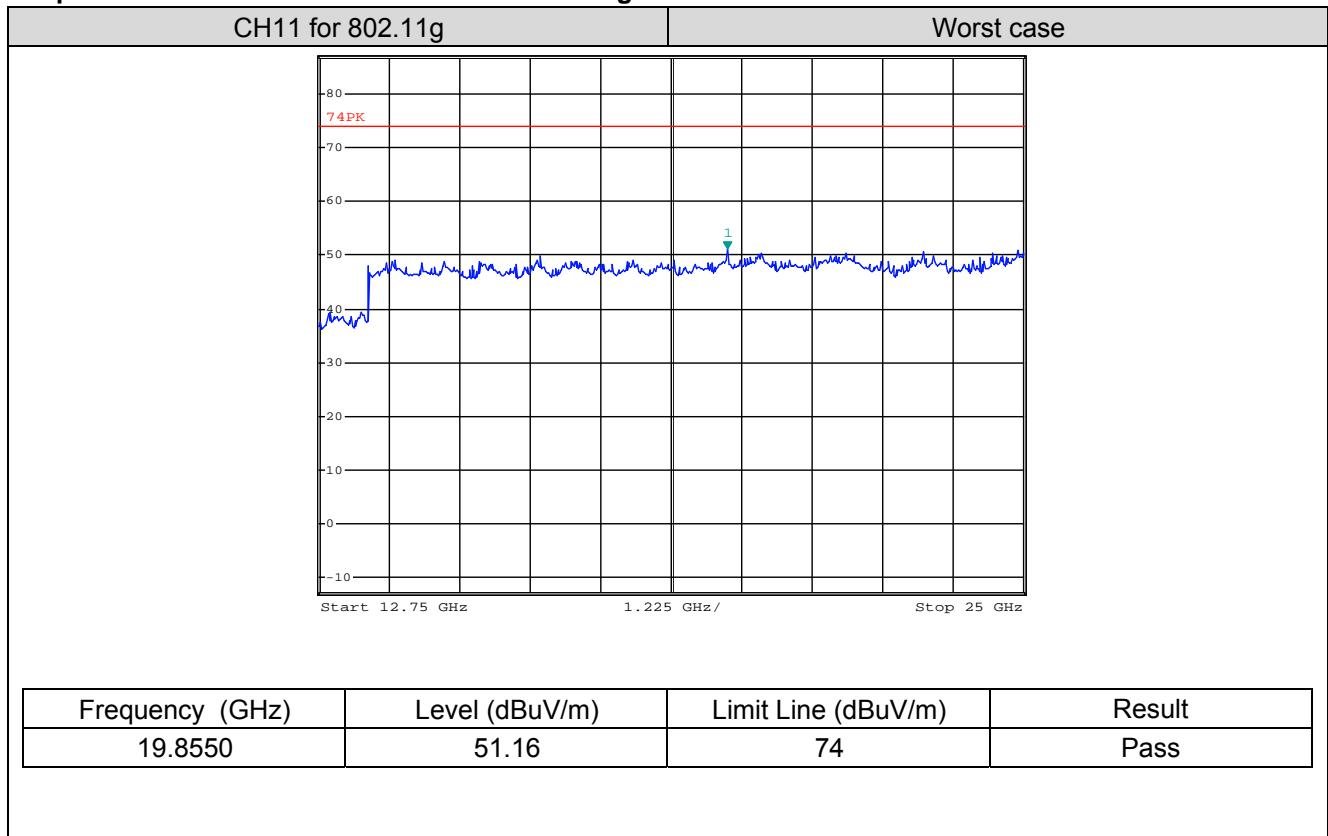
Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
20.3450	51.42	74	Pass

CH07 for 802.11g

Worst case

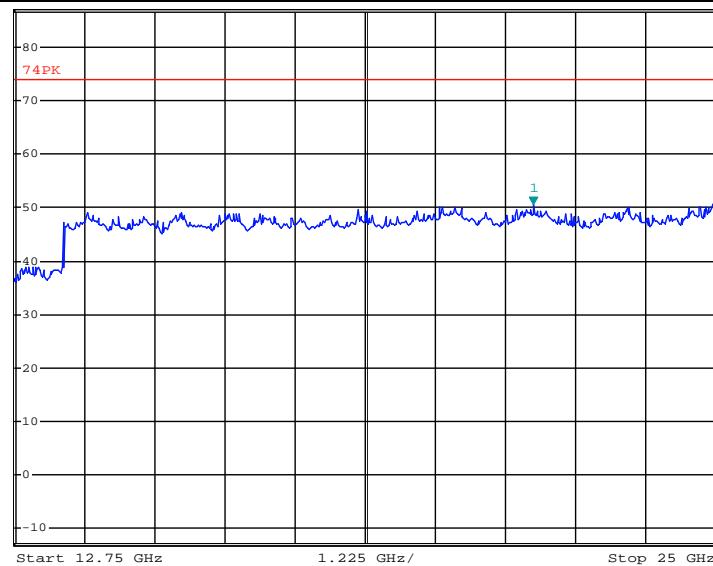


Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
20.3940	51.07	74	Pass



CH01 for 802.11 n(H20)

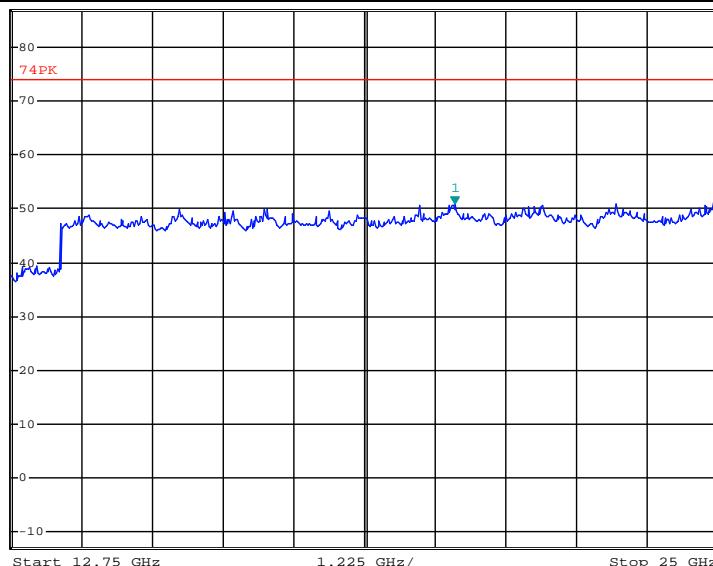
Worst case



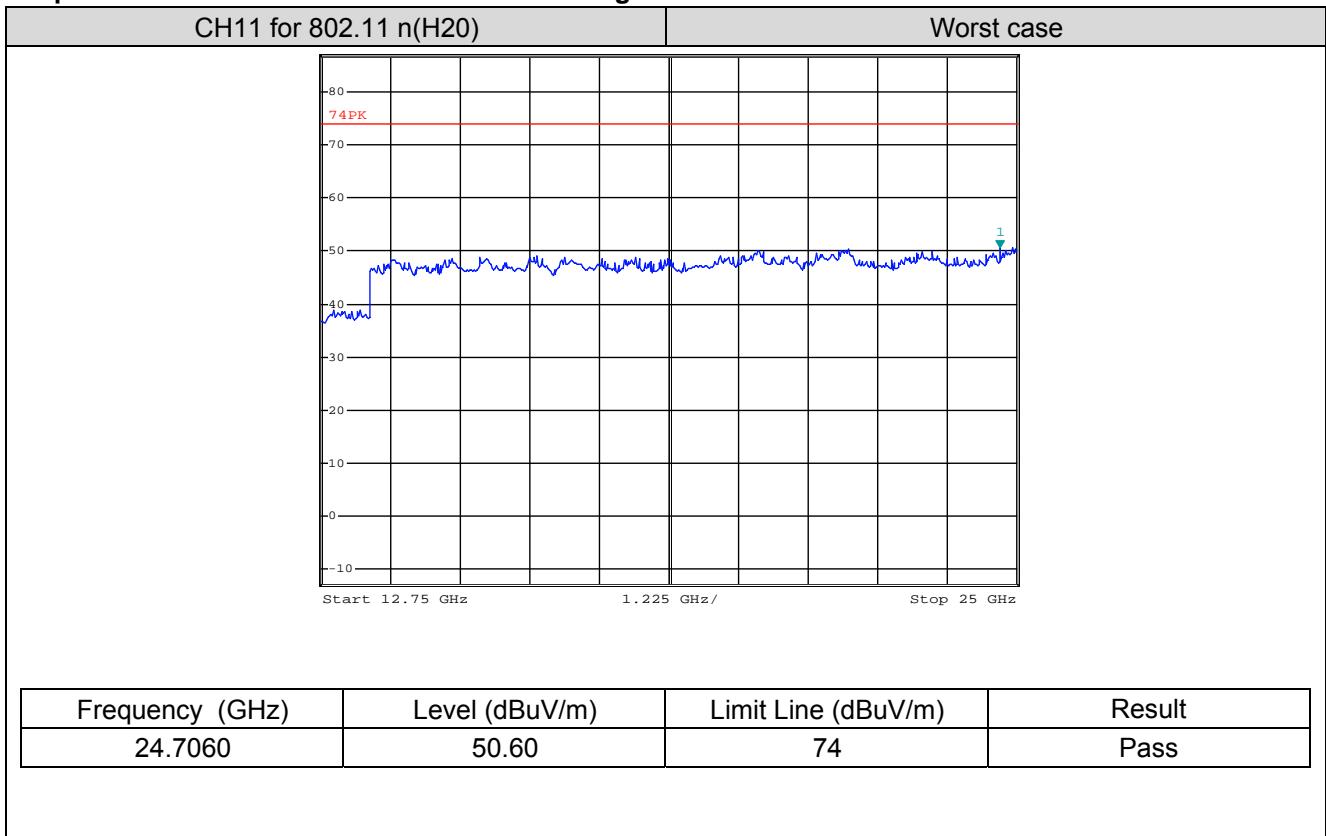
Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
21.8150	50.63	74	Pass

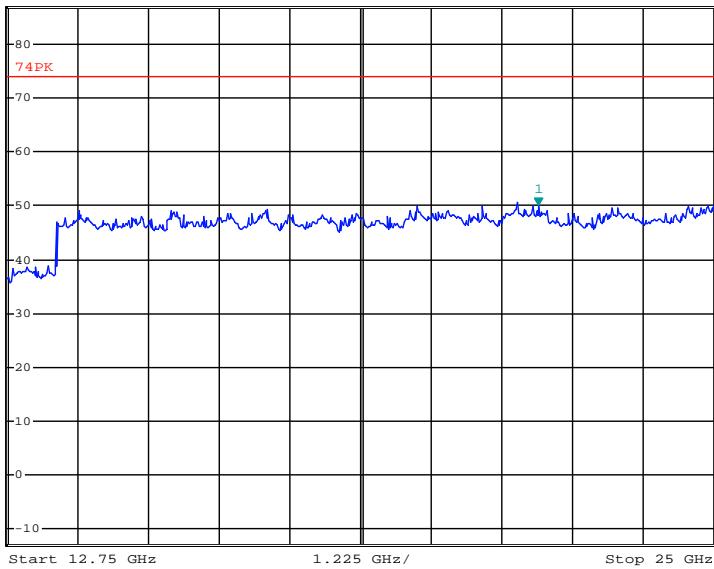
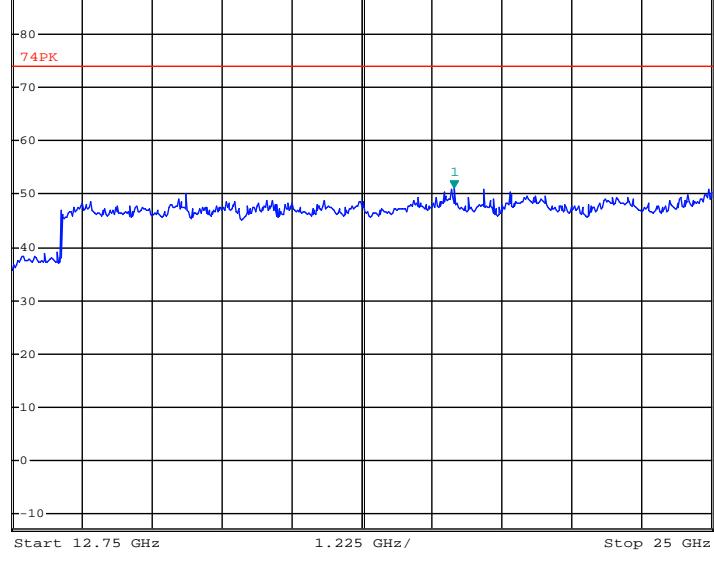
CH07 for 802.11 n(H20)

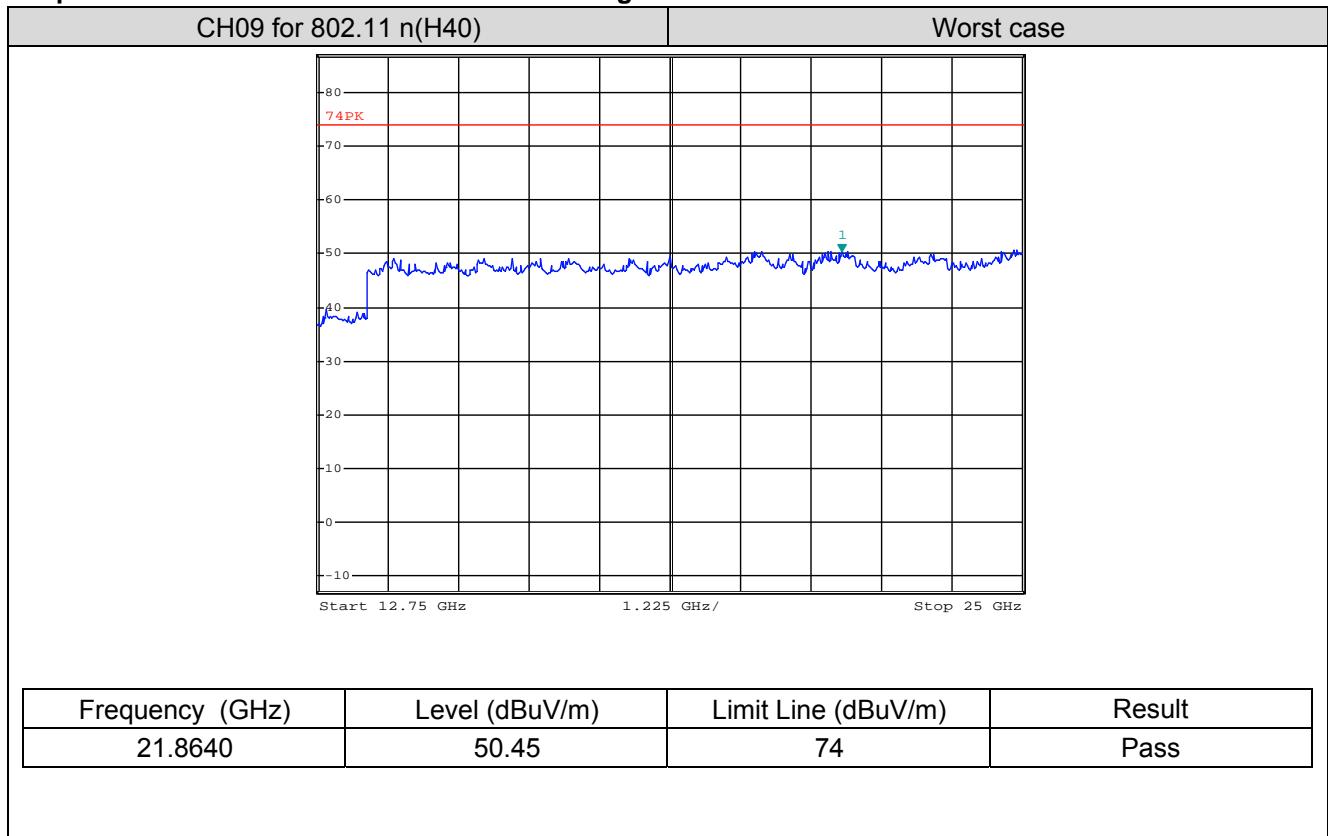
Worst case



Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
20.4430	50.79	74	Pass



CH03 for 802.11 n(H40)		Worst case	
			
Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
21.9620	50.00	74	Pass
CH07 for 802.11 n(H40)		Worst case	
			
Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
20.4920	51.20	74	Pass

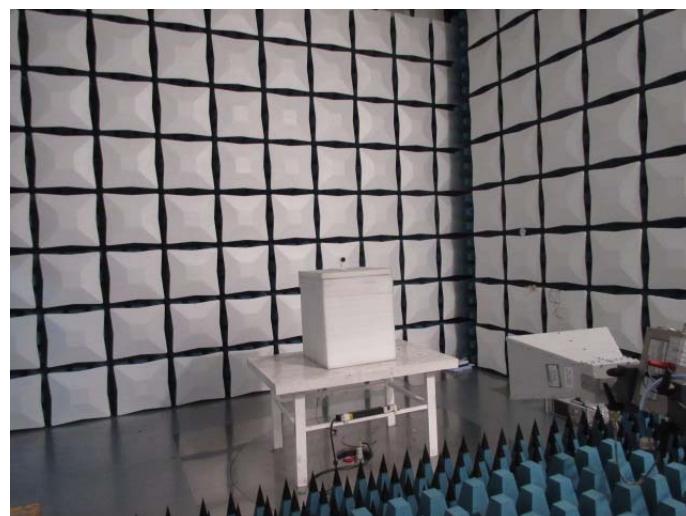
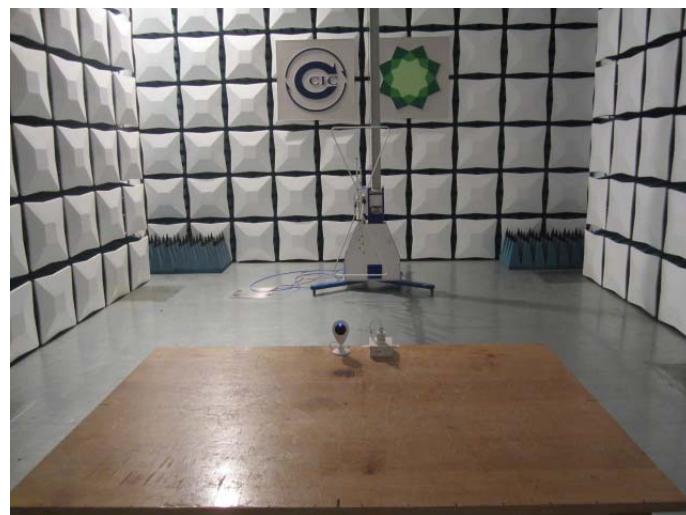


## 5. Test Setup Photos of the EUT

Conducted Emission



Radiated Emission





## 6. External and Internal Photos of the EUT

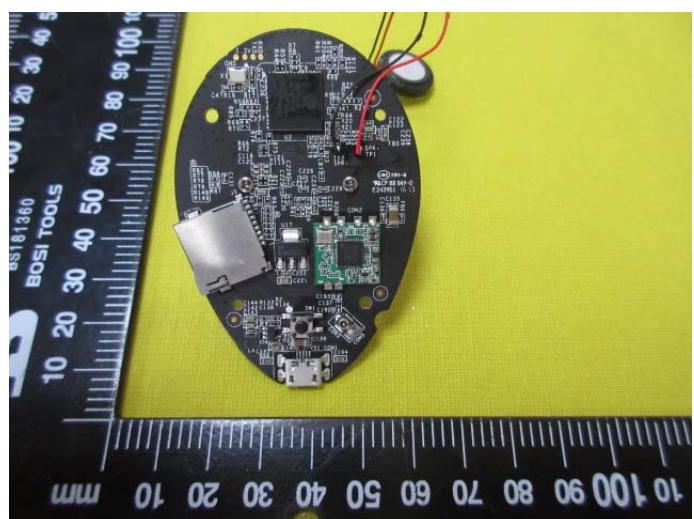
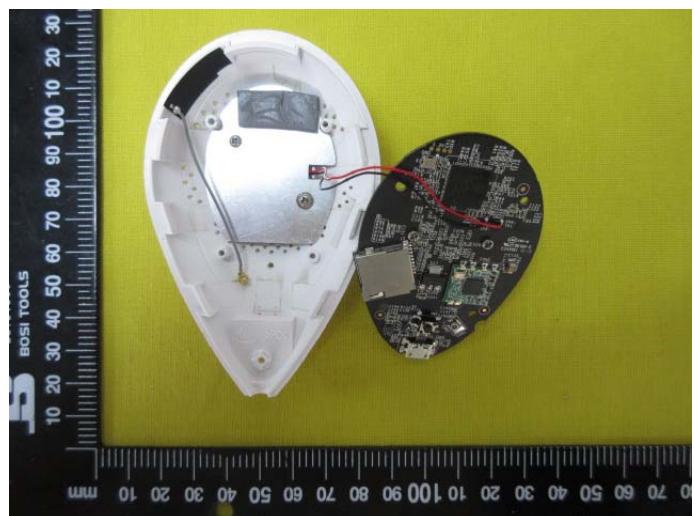
### External photos







Internal photos





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