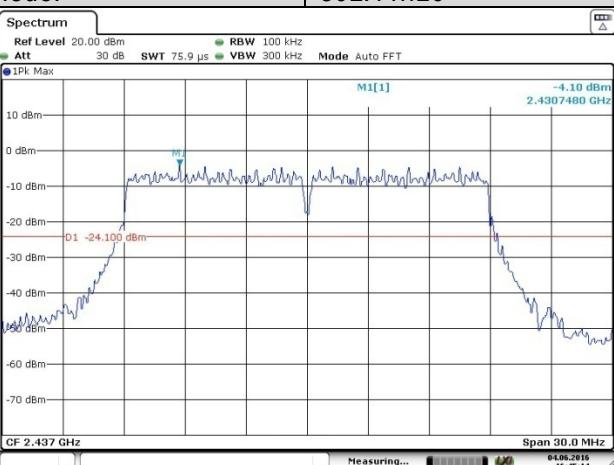
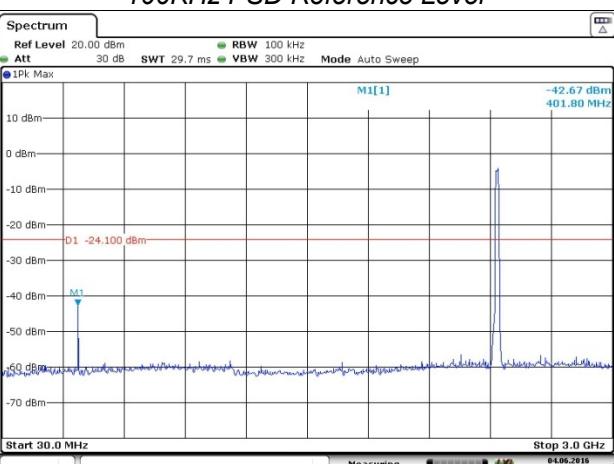
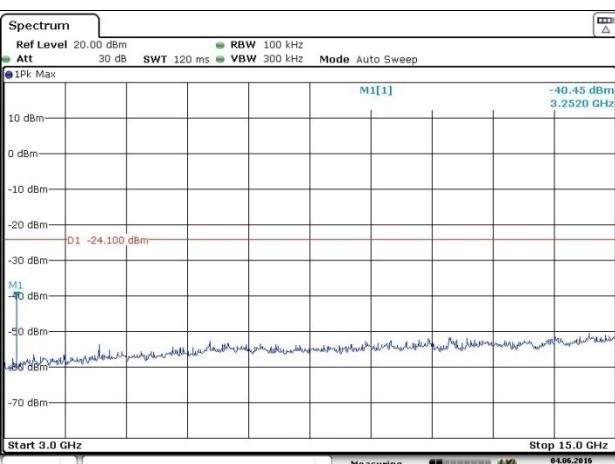
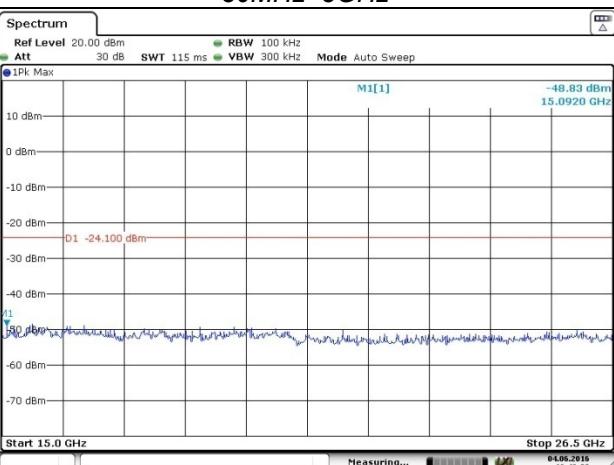
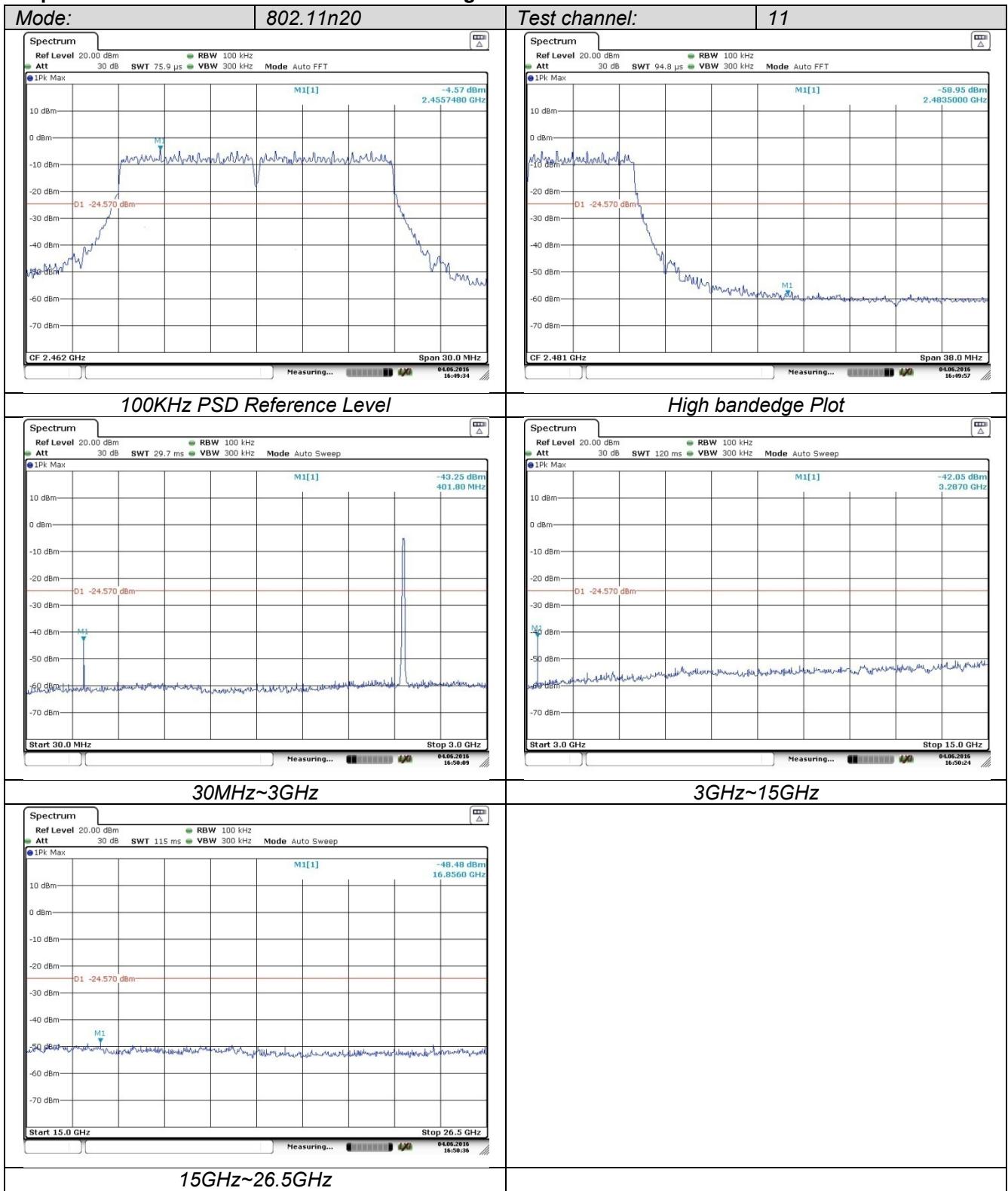
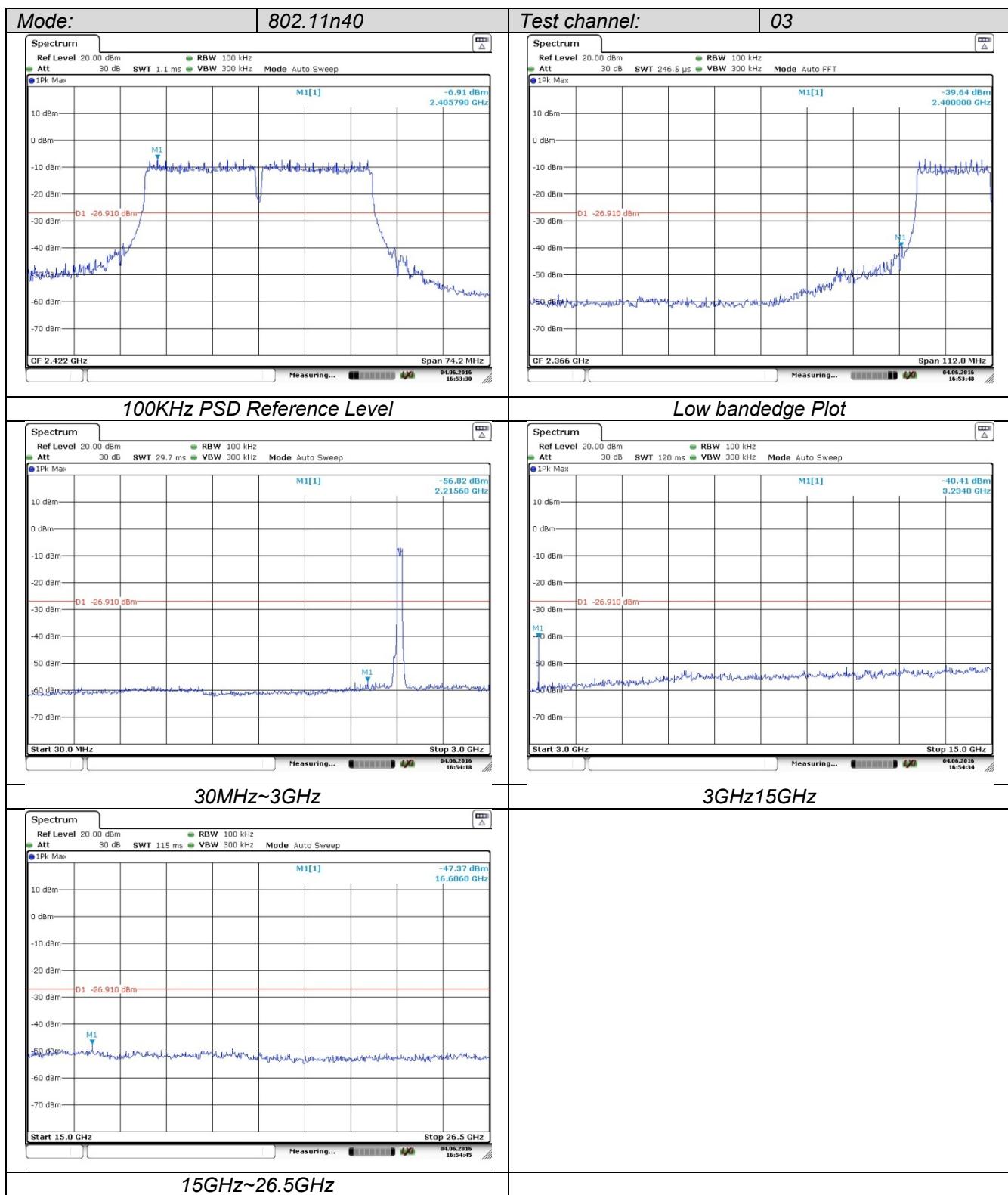
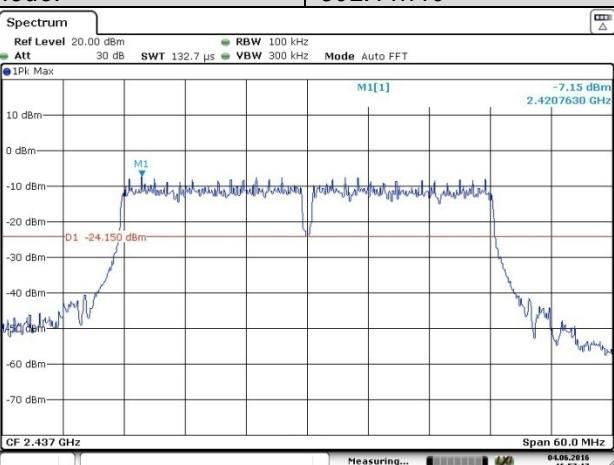
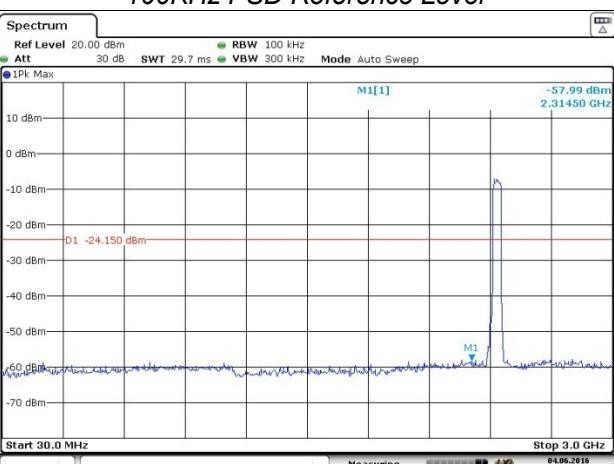
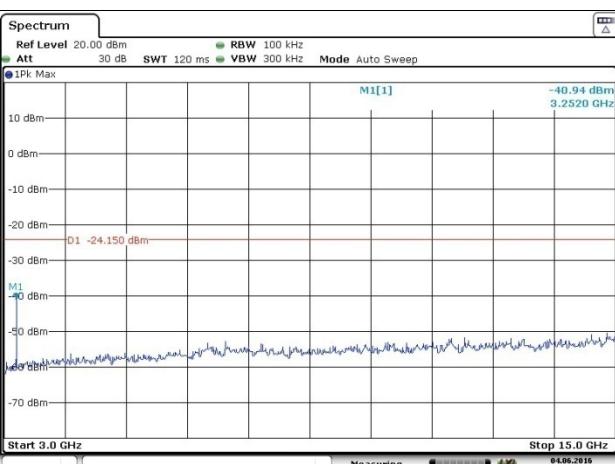
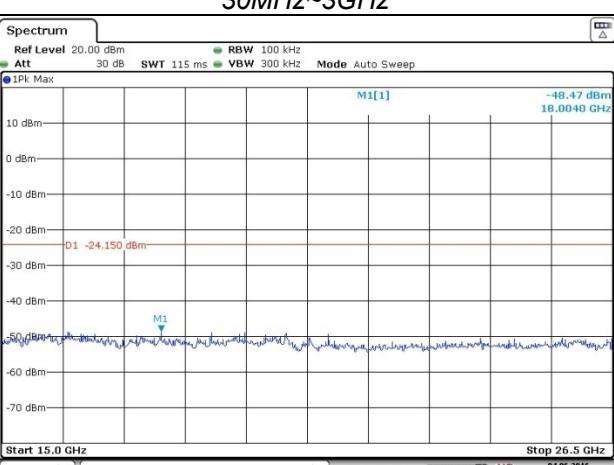
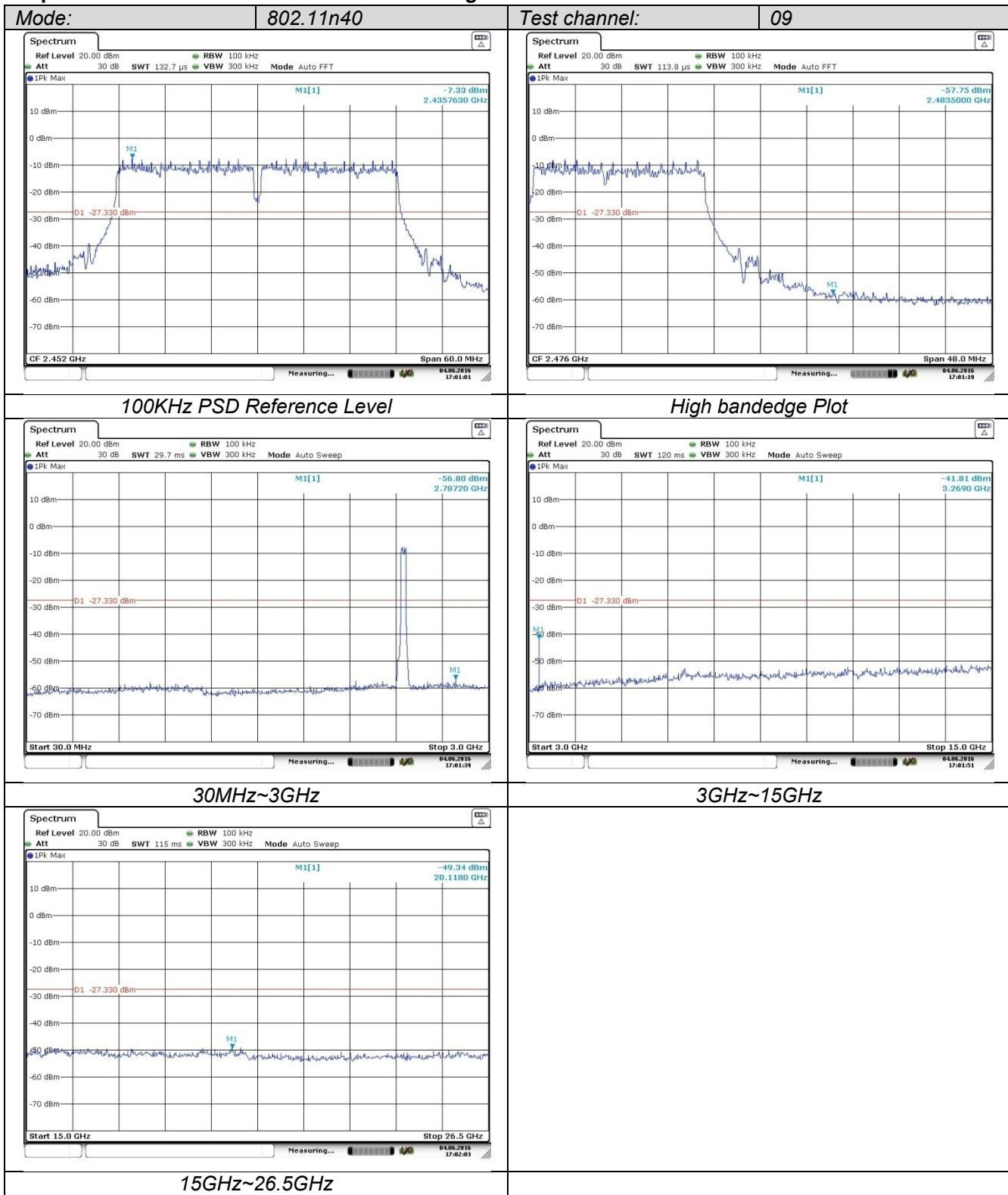


Mode:	802.11n20	Test channel:	06
	 <p>Spectrum Ref Level 20.00 dBm RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT M1[1] -4.10 dBm 2.4307480 GHz CF 2.437 GHz Span 30.0 MHz Measuring... 04.06.2016 16:05:14</p>		
	100KHz PSD Reference Level		
	 <p>Spectrum Ref Level 20.00 dBm RBW 100 kHz Att 30 dB SWT 29.7 ms VBW 300 kHz Mode Auto Sweep M1[1] -42.67 dBm 401.80 MHz Start 30.0 MHz Stop 3.0 GHz Measuring... 04.06.2016 16:05:37</p>	 <p>Spectrum Ref Level 20.00 dBm RBW 100 kHz Att 30 dB SWT 120 ms VBW 300 kHz Mode Auto Sweep M1[1] -40.45 dBm 3.2520 GHz Start 3.0 GHz Stop 15.0 GHz Measuring... 04.06.2016 16:05:53</p>	
	30MHz~3GHz		3GHz~15GHz
	 <p>Spectrum Ref Level 20.00 dBm RBW 100 kHz Att 30 dB SWT 115 ms VBW 300 kHz Mode Auto Sweep M1[1] -48.83 dBm 15.0920 GHz Start 15.0 GHz Stop 26.5 GHz Measuring... 04.06.2016 16:06:09</p>		
	15GHz~26.5GHz		





Mode:	802.11n40	Test channel:	06
			
	100KHz PSD Reference Level		
			
	30MHz~3GHz		3GHz~15GHz
			
	15GHz~26.5GHz		



4.8. Spurious Emission (radiated)

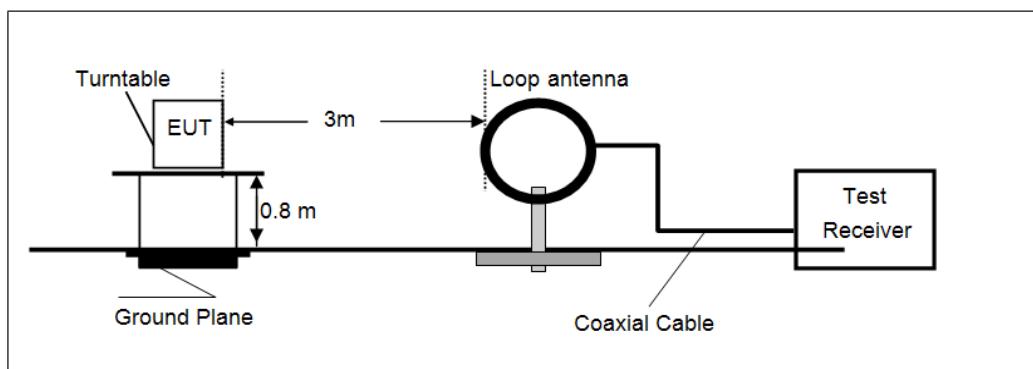
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

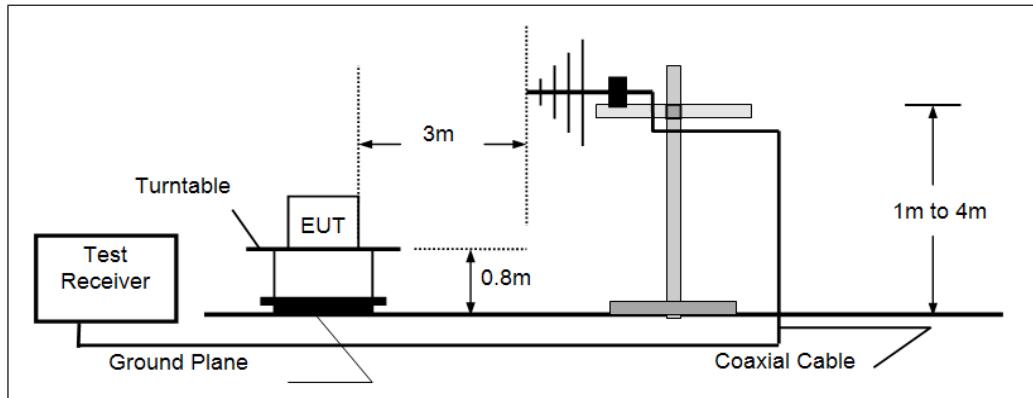
Frequency	Limit (dB _{UV} /m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

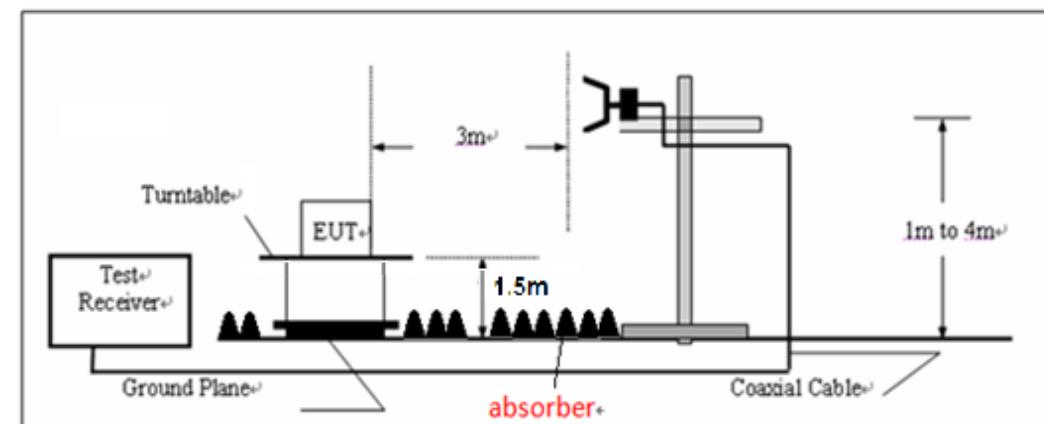
- 9KHz ~30MHz



- 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:

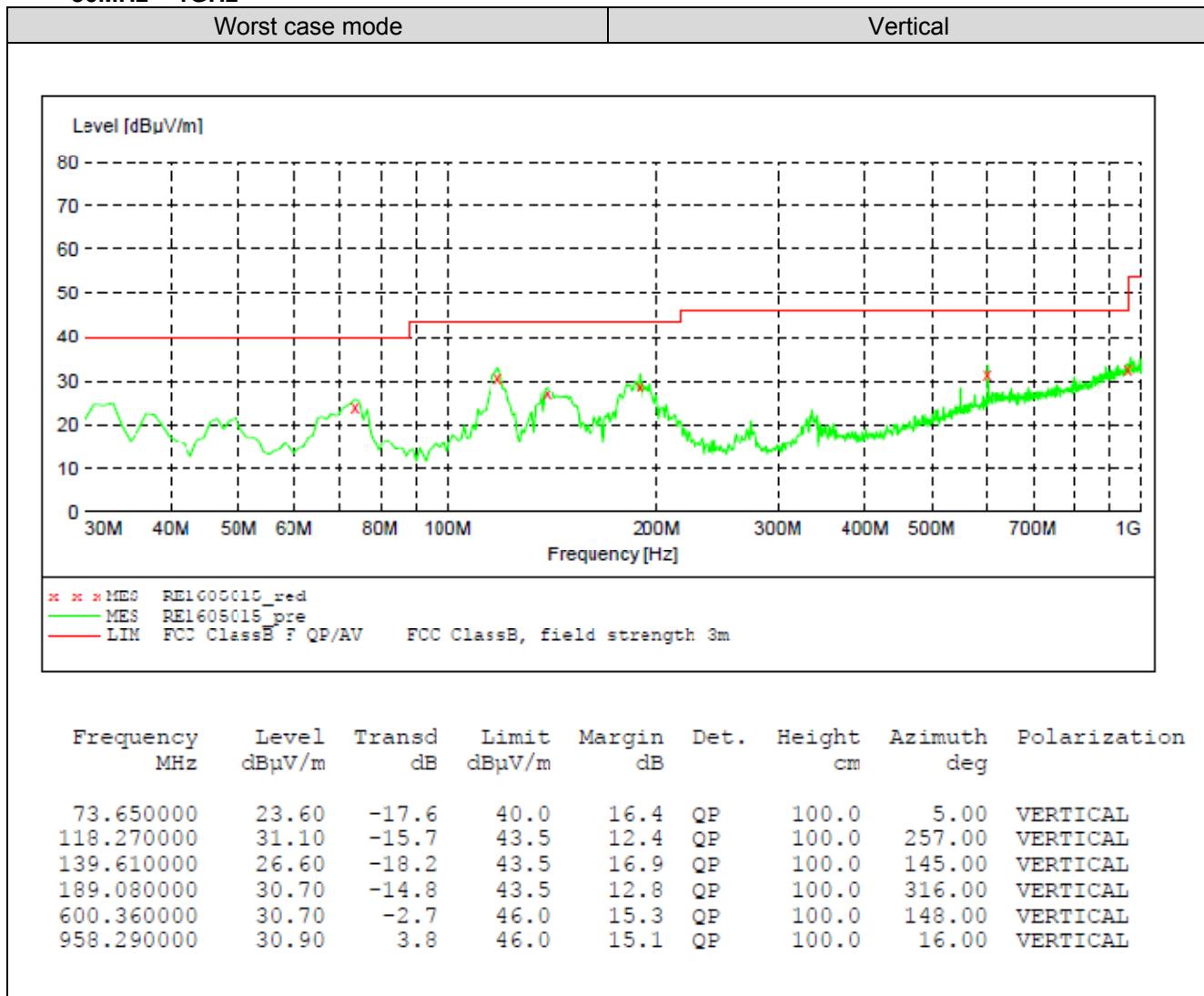
Remark:

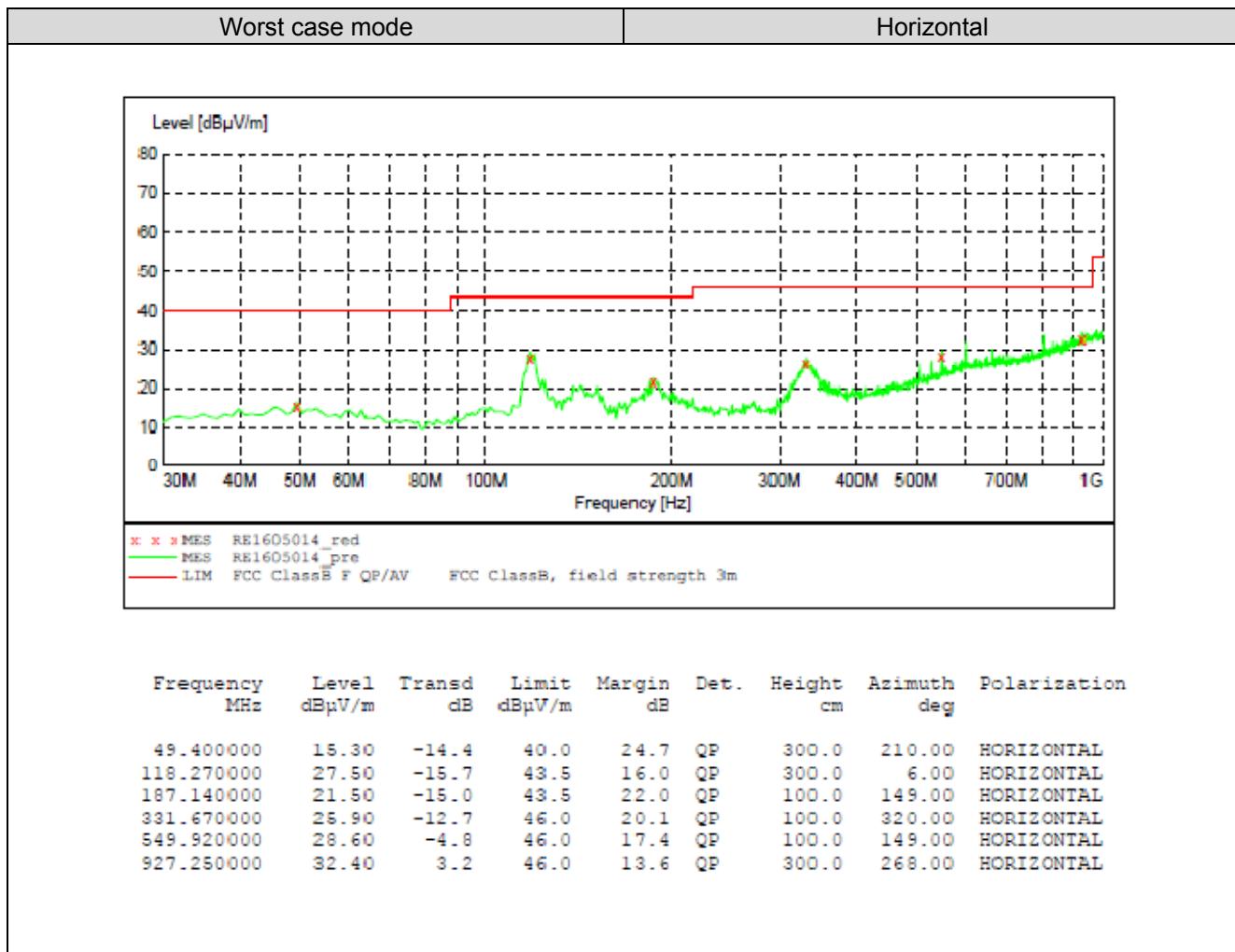
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

■ 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





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	48.09	27.58	3.90	35.62	43.95	74.00	-30.05	Vertical	Peak
4824.00	41.05	29.18	8.61	37.99	40.85	74.00	-33.15	Vertical	
7236.00	34.96	36.17	10.95	38.15	43.93	74.00	-30.07	Vertical	
9648.00	37.81	38.20	12.17	38.08	50.10	74.00	-23.90	Vertical	
12060.00	*					74.00		Vertical	
2400.00	47.51	27.58	3.90	35.62	43.37	74.00	-30.63	Horizontal	
4824.00	39.65	32.00	9.53	38.39	42.79	74.00	-31.21	Horizontal	
7236.00	37.85	35.92	6.94	35.18	45.53	74.00	-28.47	Horizontal	
9648.00	40.41	38.20	12.17	38.08	52.70	74.00	-21.30	Horizontal	
12060.00	*					74.00		Horizontal	
2400.00	41.09	27.58	3.90	35.62	36.95	54.00	-17.05	Vertical	Average
4824.00	38.46	29.18	8.61	37.99	38.26	54.00	-15.74	Vertical	
7236.00	29.33	36.17	10.95	38.15	38.30	54.00	-15.70	Vertical	
9648.00	28.99	38.20	12.17	38.08	41.28	54.00	-12.72	Vertical	
12060.00	*					54.00		Vertical	
2400.00	39.64	27.58	3.90	35.62	35.50	54.00	-18.50	Horizontal	
4824.00	40.27	32.00	9.53	38.39	43.41	54.00	-10.59	Horizontal	
7236.00	28.68	35.92	6.94	35.18	36.36	54.00	-17.64	Horizontal	
9648.00	27.48	38.20	12.17	38.08	39.77	54.00	-14.23	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	40.63	27.58	3.90	35.62	36.49	74.00	-37.51	Vertical	Peak
7311.00	35.89	29.18	8.61	37.99	35.69	74.00	-38.31	Vertical	
9748.00	36.89	36.17	10.95	38.15	45.86	74.00	-28.14	Vertical	
12185.00	*					74.00		Vertical	
4874.00	38.11	30.24	8.81	38.17	38.99	74.00	-35.01	Horizontal	
7311.00	35.48	35.44	10.53	38.02	43.43	74.00	-30.57	Horizontal	
9748.00	37.9	38.2	12.17	38.08	50.19	74.00	-23.81	Horizontal	
12185.00	*					74.00		Horizontal	
4874.00	39.12	30.91	8.99	38.34	40.68	54.00	-13.32	Vertical	Average
7311.00	29.37	35.44	10.53	38.02	37.32	54.00	-16.68	Vertical	
9748.00	27.97	38.02	12.17	38.08	40.08	54.00	-13.92	Vertical	
12185.00	*					54.00		Vertical	
4874.00	43.28	30.24	8.81	38.17	44.16	54.00	-9.84	Horizontal	
7311.00	28.08	35.44	10.53	38.02	36.03	54.00	-17.97	Horizontal	
9748.00	28.62	38.2	12.17	38.08	40.91	54.00	-13.09	Horizontal	
12185.00	*					54.00		Horizontal	

Remark:

- Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- “*”, means this data is the too weak instrument of signal is unable to test.
- 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)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.50	49.09	27.85	3.96	35.65	45.25	74.00	-28.75	Vertical	Peak
4924.00	44.61	31.17	9.31	38.62	46.47	74.00	-27.53	Vertical	
7386.00	35.53	36.72	11.24	38.24	45.25	74.00	-28.75	Vertical	
9848.00	36.56	38.33	12.39	38.12	49.16	74.00	-24.84	Vertical	
12310.00	*					74.00		Vertical	
2400.00	47.27	27.85	3.96	35.65	43.43	74.00	-30.57	Horizontal	
4924.00	48.34	31.17	9.31	38.62	50.20	74.00	-23.80	Horizontal	
7386.00	39.91	36.13	10.93	38.14	48.83	74.00	-25.17	Horizontal	
9848.00	40.58	38.33	12.39	38.12	53.18	74.00	-20.82	Horizontal	
12310.00	*					74.00		Horizontal	
2483.50	41.17	27.85	3.96	35.65	37.33	54.00	-16.67	Vertical	Average
4924.00	40.10	31.17	9.31	38.62	41.96	54.00	-12.04	Vertical	
7386.00	28.03	36.72	11.24	38.24	37.75	54.00	-16.25	Vertical	
9848.00	27.16	38.33	12.39	38.12	39.76	54.00	-14.24	Vertical	
12310.00	*					54.00		Vertical	
2483.50	38.84	27.85	3.96	35.65	35.00	54.00	-19.00	Horizontal	
4924.00	43.59	31.17	9.31	38.62	45.45	54.00	-8.55	Horizontal	
7386.00	25.81	36.13	10.93	38.14	34.73	54.00	-19.27	Horizontal	
9848.00	28.41	38.33	12.39	38.12	41.01	54.00	-12.99	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	47.38	27.58	3.90	35.62	43.24	74.00	-30.76	Vertical	Peak
4824.00	43.39	29.18	8.61	37.99	43.19	74.00	-30.81	Vertical	
7236.00	33.09	36.17	10.95	38.15	42.06	74.00	-31.94	Vertical	
9648.00	34.52	38.2	12.17	38.08	46.81	74.00	-27.19	Vertical	
12060.00	*					74.00		Vertical	
2400.00	46.07	27.58	3.90	35.62	41.93	74.00	-32.07	Horizontal	
4824.00	40.87	32	9.53	38.39	44.01	74.00	-29.99	Horizontal	
7236.00	36.49	35.92	6.94	35.18	44.17	74.00	-29.83	Horizontal	
9648.00	34.67	38.2	12.17	38.08	46.96	74.00	-27.04	Horizontal	
12060.00	*					74.00		Horizontal	
2400.00	40.45	27.58	3.90	35.62	36.31	54.00	-17.69	Vertical	Average
4824.00	38.46	29.18	8.61	37.99	38.26	54.00	-15.74	Vertical	
7236.00	27.96	36.17	10.95	38.15	36.93	54.00	-17.07	Vertical	
9648.00	27.65	38.2	12.17	38.08	39.94	54.00	-14.06	Vertical	
12060.00	*					54.00		Vertical	
2400.00	38.46	27.58	3.90	35.62	34.32	54.00	-19.68	Horizontal	
4824.00	35.07	32	9.53	38.39	38.21	54.00	-15.79	Horizontal	
7236.00	29.70	35.92	6.94	35.18	37.38	54.00	-16.62	Horizontal	
9648.00	28.29	38.2	12.17	38.08	40.58	54.00	-13.42	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	43.41	30.91	8.99	38.34	44.97	74.00	-29.03	Vertical	Peak
7311.00	35.21	35.44	10.53	38.02	43.16	74.00	-30.84	Vertical	
9748.00	36.47	38.02	12.17	38.08	48.58	74.00	-25.42	Vertical	
12185.00	*					74.00		Vertical	
4874.00	45.26	30.24	8.81	38.17	46.14	74.00	-27.86	Horizontal	
7311.00	36.22	35.44	10.53	38.02	44.17	74.00	-29.83	Horizontal	
9748.00	35.88	38.2	12.17	38.08	48.17	74.00	-25.83	Horizontal	
12185.00	*					74.00		Horizontal	
4874.00	36.94	30.91	8.99	38.34	38.50	54.00	-15.50	Vertical	Average
7311.00	29.92	35.44	10.53	38.02	37.87	54.00	-16.13	Vertical	
9748.00	27.44	38.02	12.17	38.08	39.55	54.00	-14.45	Vertical	
12185.00	*					54.00		Vertical	
4874.00	37.02	30.24	8.81	38.17	37.90	54.00	-16.10	Horizontal	
7311.00	28.68	35.44	10.53	38.02	36.63	54.00	-17.37	Horizontal	
9748.00	27.55	38.2	12.17	38.08	39.84	54.00	-14.16	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	48.44	27.85	3.96	35.65	44.60	74.00	-29.40	Vertical	Peak
4924.00	41.92	31.17	9.31	38.62	43.78	74.00	-30.22	Vertical	
7386.00	34.28	36.72	11.24	38.24	44.00	74.00	-30.00	Vertical	
9848.00	35.89	38.33	12.39	38.12	48.49	74.00	-25.51	Vertical	
12310.00	*					74.00		Vertical	
2483.50	45.89	27.85	3.96	35.65	42.05	74.00	-31.95	Horizontal	
4924.00	43.87	31.17	9.31	38.62	45.73	74.00	-28.27	Horizontal	
7386.00	34.84	36.13	10.93	38.14	43.76	74.00	-30.24	Horizontal	
9848.00	35.00	38.33	12.39	38.12	47.60	74.00	-26.40	Horizontal	
12310.00	*					74.00		Horizontal	
2483.50	38.90	27.85	3.96	35.65	35.06	54.00	-18.94	Vertical	Average
4924.00	36.15	31.17	9.31	38.62	38.01	54.00	-15.99	Vertical	
7386.00	28.80	36.72	11.24	38.24	38.52	54.00	-15.48	Vertical	
9848.00	27.93	38.33	12.39	38.12	40.53	54.00	-13.47	Vertical	
12310.00	*					54.00		Vertical	
2483.50	39.44	27.85	3.96	35.65	35.60	54.00	-18.40	Horizontal	
4924.00	35.86	31.17	9.31	38.62	37.72	54.00	-16.28	Horizontal	
7386.00	27.72	36.13	10.93	38.14	36.64	54.00	-17.36	Horizontal	
9848.00	27.01	38.33	12.39	38.12	39.61	54.00	-14.39	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	47.67	27.58	3.90	35.62	43.53	74.00	-30.47	Vertical	Peak
4824.00	40.59	29.18	8.61	37.99	40.39	74.00	-33.61		
7236.00	34.47	36.17	10.95	38.15	43.44	74.00	-30.56	Vertical	
9648.00	35.92	38.2	12.17	38.08	48.21	74.00	-25.79	Vertical	
12060.00	*					74.00		Vertical	
2400.00	45.32	27.58	3.90	35.62	41.18	74.00	-32.82	Horizontal	
4824.00	34.43	32	9.53	38.39	37.57	74.00	-36.43	Horizontal	
7236.00	39	35.92	6.94	35.18	46.68	74.00	-27.32	Horizontal	
9648.00	35.63	38.2	12.17	38.08	47.92	74.00	-26.08	Horizontal	
12060.00	*					74.00		Horizontal	
2400.00	39.23	27.58	3.90	35.62	35.09	54.00	-18.91	Vertical	Average
4824.00	35.7	29.18	8.61	37.99	35.50	54.00	-18.50	Vertical	
7236.00	27.53	36.17	10.95	38.15	36.50	54.00	-17.50	Vertical	
9648.00	26.59	38.2	12.17	38.08	38.88	54.00	-15.12	Vertical	
12060.00	*					54.00		Vertical	
2400.00	40	27.58	3.90	35.62	35.86	54.00	-18.14	Horizontal	
4824.00	33.15	32	9.53	38.39	36.29	54.00	-17.71	Horizontal	
7236.00	30.1	35.92	6.94	35.18	37.78	54.00	-16.22	Horizontal	
9648.00	27.99	38.2	12.17	38.08	40.28	54.00	-13.72	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	39.36	30.91	8.99	38.34	40.92	74.00	-33.08	Vertical	Peak
7311.00	36.78	35.44	10.53	38.02	44.73	74.00	-29.27	Vertical	
9748.00	34.67	38.02	12.17	38.08	46.78	74.00	-27.22	Vertical	
12185.00	*					74.00		Vertical	
4874.00	41.92	30.24	8.81	38.17	42.80	74.00	-31.20	Horizontal	
7311.00	35.52	35.44	10.53	38.02	43.47	74.00	-30.53	Horizontal	
9748.00	34.66	38.2	12.17	38.08	46.95	74.00	-27.05	Horizontal	
12185.00	*					74.00		Horizontal	
4874.00	33.84	30.91	8.99	38.34	35.40	54.00	-18.60	Vertical	Average
7311.00	27.06	35.44	10.53	38.02	35.01	54.00	-18.99	Vertical	
9748.00	27.89	38.02	12.17	38.08	40.00	54.00	-14.00	Vertical	
12185.00	*					54.00		Vertical	
4874.00	34.02	30.24	8.81	38.17	34.90	54.00	-19.10	Horizontal	
7311.00	29.35	35.44	10.53	38.02	37.30	54.00	-16.70	Horizontal	
9748.00	27.53	38.2	12.17	38.08	39.82	54.00	-14.18	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	47.05	27.85	3.96	35.65	43.21	74.00	-30.79	Vertical	Peak
4924.00	38.88	31.17	9.31	38.62	40.74	74.00	-33.26		
7386.00	33.95	36.72	11.24	38.24	43.67	74.00	-30.33	Vertical	
9848.00	35.09	38.33	12.39	38.12	47.69	74.00	-26.31	Vertical	
12310.00	*					74.00		Vertical	
2483.50	46.27	27.85	3.96	35.65	42.43	74.00	-31.57	Horizontal	
4924.00	40.6	31.17	9.31	38.62	42.46	74.00	-31.54	Horizontal	
7386.00	36.63	36.13	10.93	38.14	45.55	74.00	-28.45	Horizontal	
9848.00	35.05	38.33	12.39	38.12	47.65	74.00	-26.35	Horizontal	
12310.00	*					74.00		Horizontal	
2483.50	40.1	27.85	3.96	35.65	36.26	54.00	-17.74	Vertical	Average
4924.00	34.2	31.17	9.31	38.62	36.06	54.00	-17.94	Vertical	
7386.00	26.85	36.72	11.24	38.24	36.57	54.00	-17.43	Vertical	
9848.00	28.24	38.33	12.39	38.12	40.84	54.00	-13.16	Vertical	
12310.00	*					54.00		Vertical	
2483.50	39.01	27.85	3.96	35.65	35.17	54.00	-18.83	Horizontal	
4924.00	35.26	31.17	9.31	38.62	37.12	54.00	-16.88	Horizontal	
7386.00	27.72	36.13	10.93	38.14	36.64	54.00	-17.36	Horizontal	
9848.00	26.57	38.33	12.39	38.12	39.17	54.00	-14.83	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	47.39	27.58	3.90	35.62	43.25	74.00	-30.75	Vertical	Peak
4824.00	40.36	29.18	8.61	37.99	40.16	74.00	-33.84		
7236.00	32.62	36.17	10.95	38.15	41.59	74.00	-32.41	Vertical	
9648.00	35.73	38.2	12.17	38.08	48.02	74.00	-25.98	Vertical	
12060.00	*					74.00		Vertical	
2400.00	47.38	27.58	3.90	35.62	43.24	74.00	-30.76	Horizontal	
4824.00	39.52	32	9.53	38.39	42.66	74.00	-31.34	Horizontal	
7236.00	36.43	35.92	6.94	35.18	44.11	74.00	-29.89	Horizontal	
9648.00	36.38	38.2	12.17	38.08	48.67	74.00	-25.33	Horizontal	
12060.00	*					74.00		Horizontal	
2400.00	40.12	27.58	3.90	35.62	35.98	54.00	-18.02	Vertical	Average
4824.00	35.7	29.18	8.61	37.99	35.50	54.00	-18.50	Vertical	
7236.00	28.15	36.17	10.95	38.15	37.12	54.00	-16.88	Vertical	
9648.00	28.08	38.2	12.17	38.08	40.37	54.00	-13.63	Vertical	
12060.00	*					54.00		Vertical	
2400.00	39.85	27.58	3.90	35.62	35.71	54.00	-18.29	Horizontal	
4824.00	35.76	32	9.53	38.39	38.90	54.00	-15.10	Horizontal	
7236.00	30.79	35.92	6.94	35.18	38.47	54.00	-15.53	Horizontal	
9648.00	26.41	38.2	12.17	38.08	38.70	54.00	-15.30	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	39.45	30.91	8.99	38.34	41.01	74.00	-32.99	Vertical	Peak
7311.00	33.74	35.44	10.53	38.02	41.69	74.00	-32.31	Vertical	
9748.00	35.39	38.02	12.17	38.08	47.50	74.00	-26.50	Vertical	
12185.00	*					74.00		Vertical	
4874.00	41.1	30.24	8.81	38.17	41.98	74.00	-32.02	Horizontal	
7311.00	35.56	35.44	10.53	38.02	43.51	74.00	-30.49	Horizontal	
9748.00	35.54	38.2	12.17	38.08	47.83	74.00	-26.17	Horizontal	
12185.00	*					74.00		Horizontal	
4874.00	34.86	30.91	8.99	38.34	36.42	54.00	-17.58	Vertical	Average
7311.00	26.92	35.44	10.53	38.02	34.87	54.00	-19.13	Vertical	
9748.00	28.11	38.02	12.17	38.08	40.22	54.00	-13.78	Vertical	
12185.00	*					54.00		Vertical	
4874.00	35.84	30.24	8.81	38.17	36.72	54.00	-17.28	Horizontal	
7311.00	28.66	35.44	10.53	38.02	36.61	54.00	-17.39	Horizontal	
9748.00	28.12	38.2	12.17	38.08	40.41	54.00	-13.59	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.

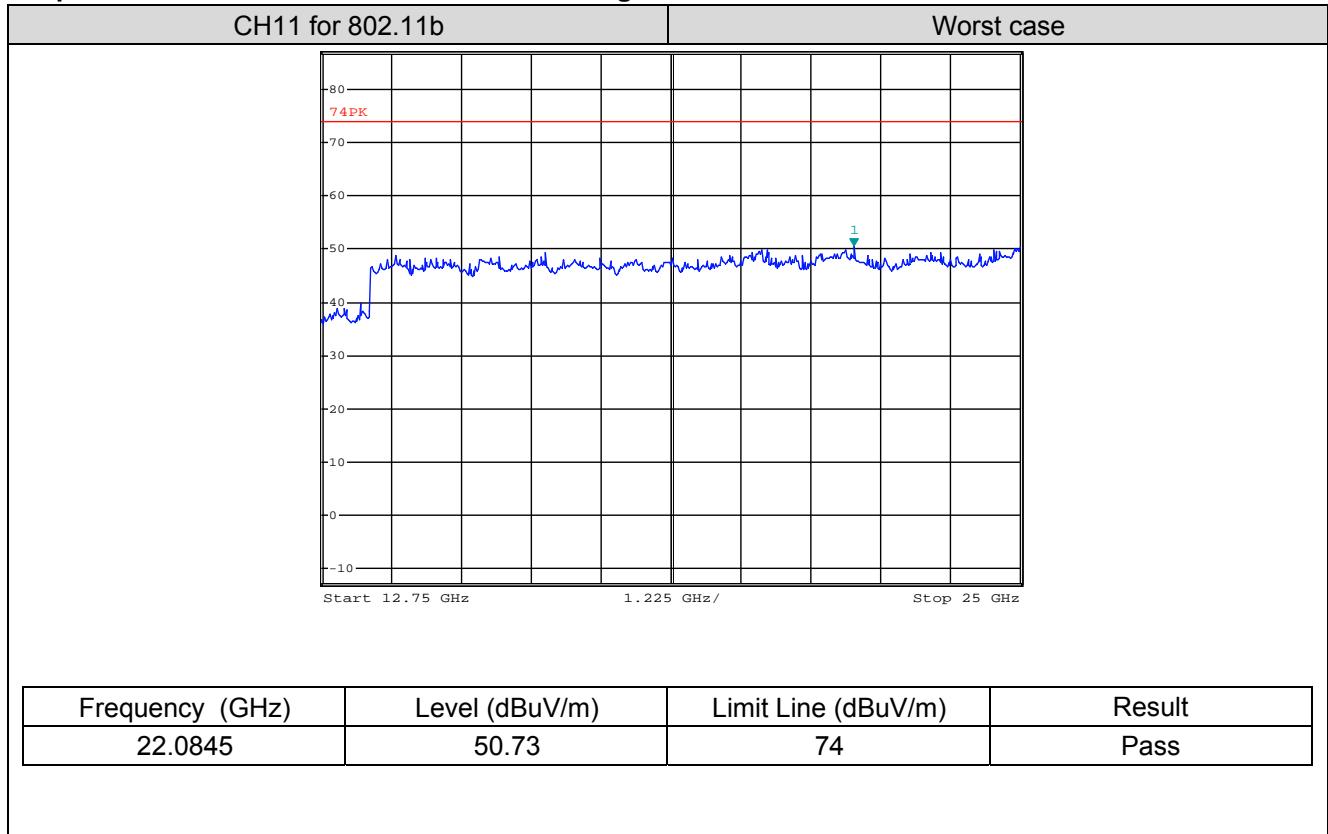
CH09 for 802.11n(H40)									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preampl Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.50	45.35	27.85	3.96	35.65	41.51	74.00	-32.49	Vertical	Peak
4924.00	39.43	31.17	9.31	38.62	41.29	74.00	-32.71		
7386.00	33.31	36.72	11.24	38.24	43.03	74.00	-30.97	Vertical	
9848.00	34.1	38.33	12.39	38.12	46.70	74.00	-27.30	Vertical	
12310.00	*					74.00		Vertical	
2483.50	44.84	27.85	3.96	35.65	41.00	74.00	-33.00	Horizontal	
4924.00	41.26	31.17	9.31	38.62	43.12	74.00	-30.88	Horizontal	
7386.00	34.31	36.13	10.93	38.14	43.23	74.00	-30.77	Horizontal	
9848.00	35.76	38.33	12.39	38.12	48.36	74.00	-25.64	Horizontal	
12310.00	*					74.00		Horizontal	
2483.50	38.45	27.85	3.96	35.65	34.61	54.00	-19.39	Vertical	Average
4924.00	34.32	31.17	9.31	38.62	36.18	54.00	-17.82	Vertical	
7386.00	26.56	36.72	11.24	38.24	36.28	54.00	-17.72	Vertical	
9848.00	25.87	38.33	12.39	38.12	38.47	54.00	-15.53	Vertical	
12310.00	*					54.00		Vertical	
2483.50	39.62	27.85	3.96	35.65	35.78	54.00	-18.22	Horizontal	
4924.00	34.09	31.17	9.31	38.62	35.95	54.00	-18.05	Horizontal	
7386.00	28.6	36.13	10.93	38.14	37.52	54.00	-16.48	Horizontal	
9848.00	27.4	38.33	12.39	38.12	40.00	54.00	-14.00	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.

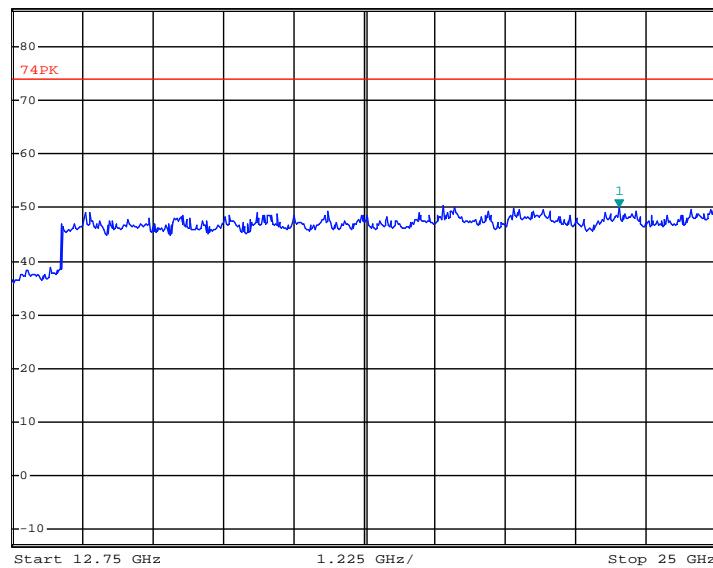
■ Above 12.75GHz ~25 GHz





CH01 for 802.11g

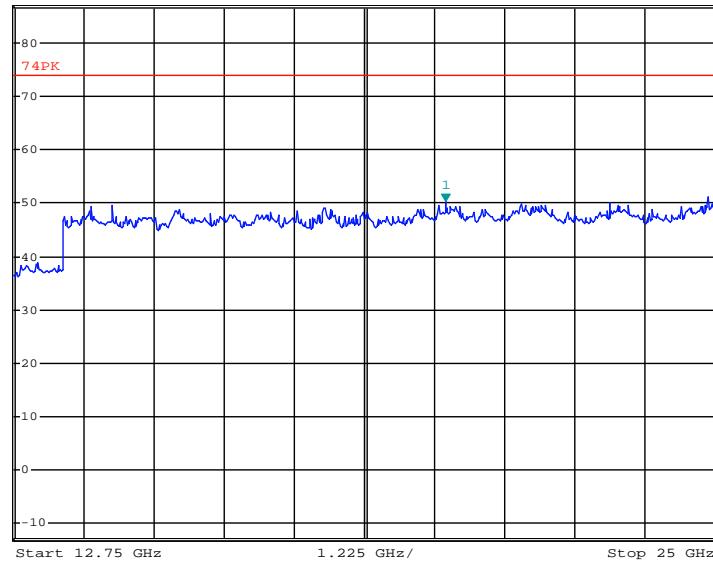
Worst case



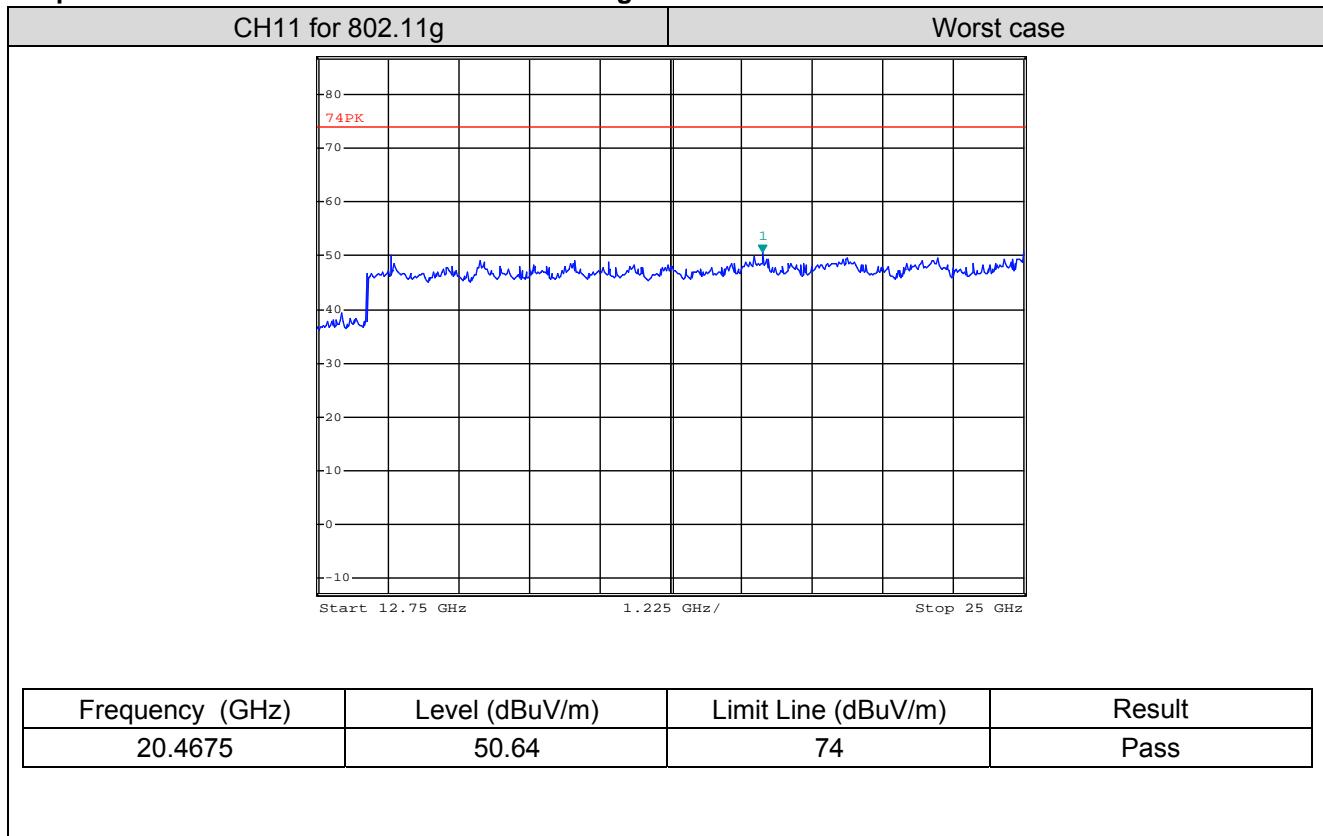
Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
23.3095	50.25	74	Pass

CH07 for 802.11g

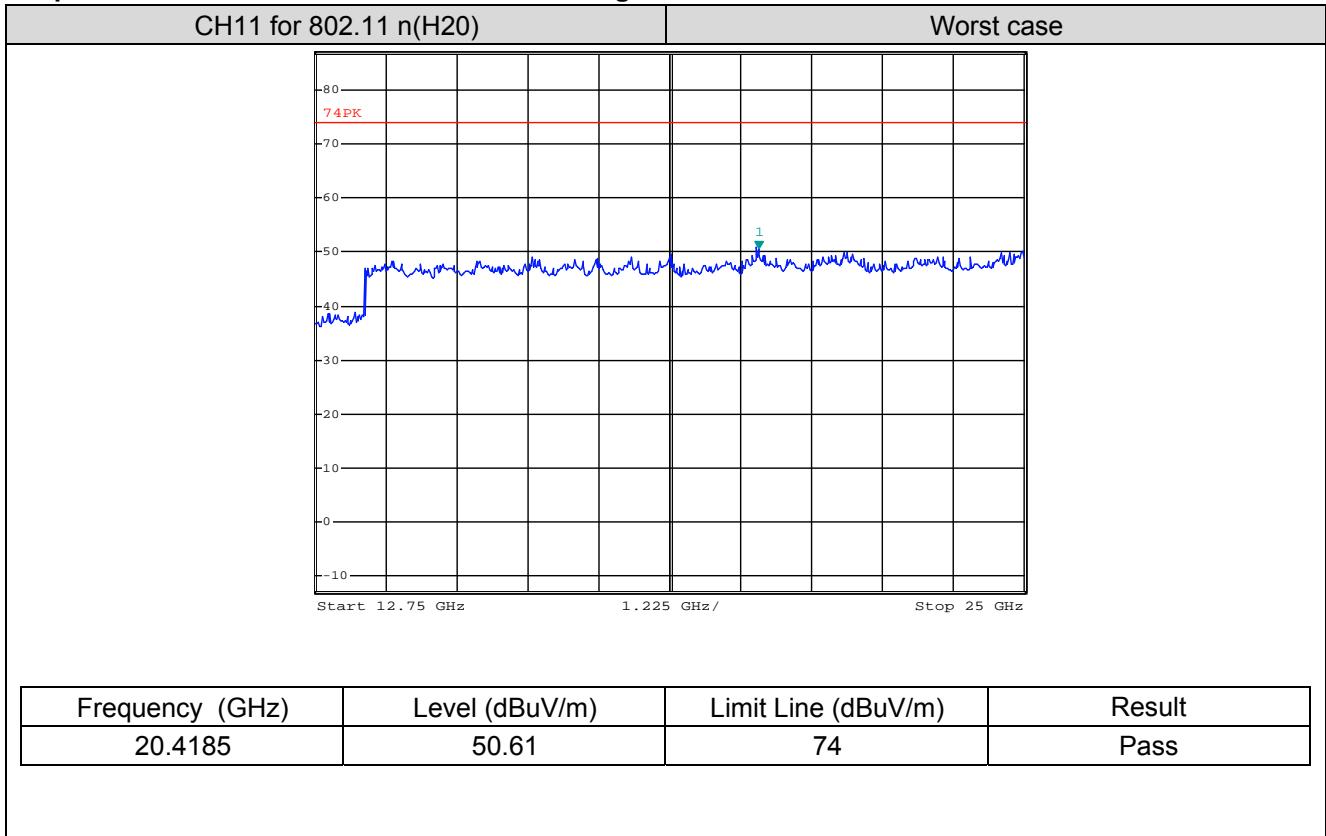
Worst case



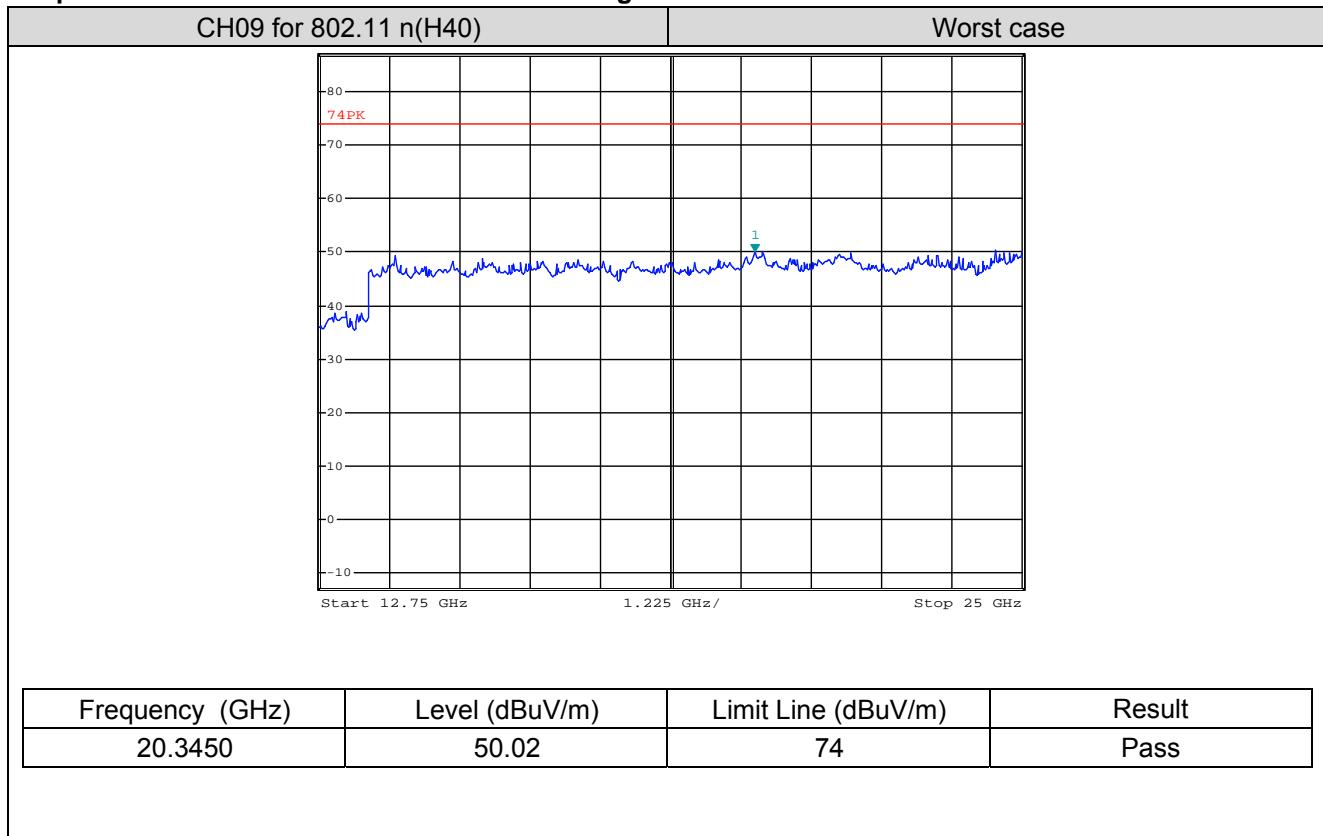
Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
20.2960	50.28	74	Pass



CH01 for 802.11 n(H20)		Worst case	
Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
21.6680	50.52	74	Pass
CH07 for 802.11 n(H20)		Worst case	
Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
21.6435	50.35	74	Pass



CH03 for 802.11 n(H40)		Worst case	
Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
17.0130	50.43	74	Pass
CH07 for 802.11 n(H40)		Worst case	
Frequency (GHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Result
20.4430	51.09	74	Pass

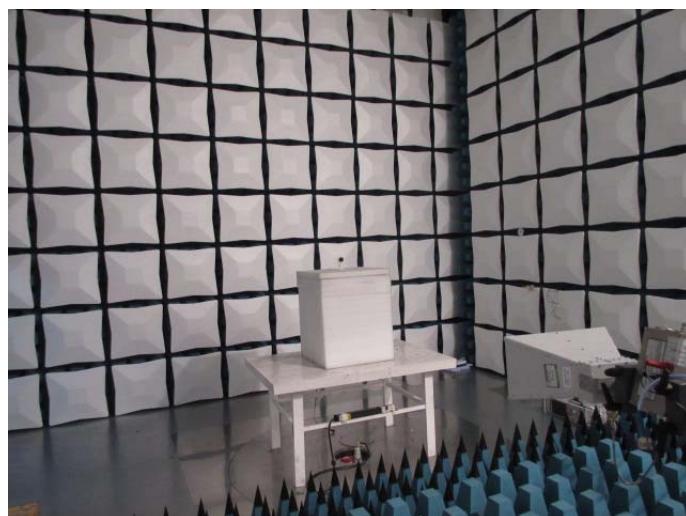


5. Test Setup Photos of the EUT

Conducted Emission



Radiated Emission





6. External and Internal Photos of the EUT

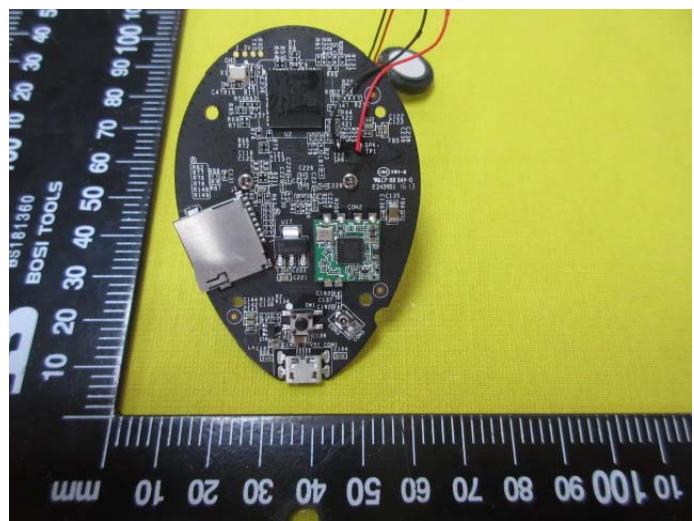
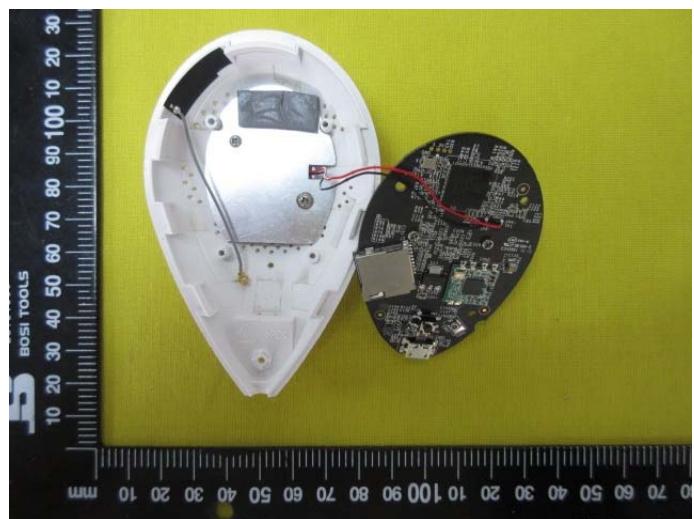
External photos

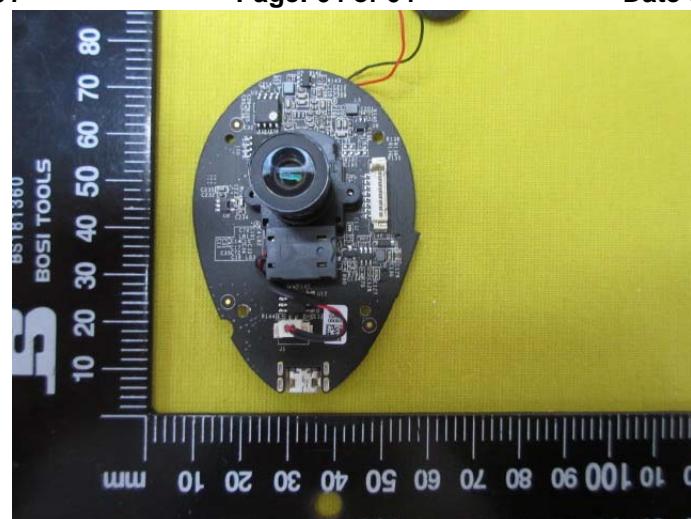






Internal photos





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