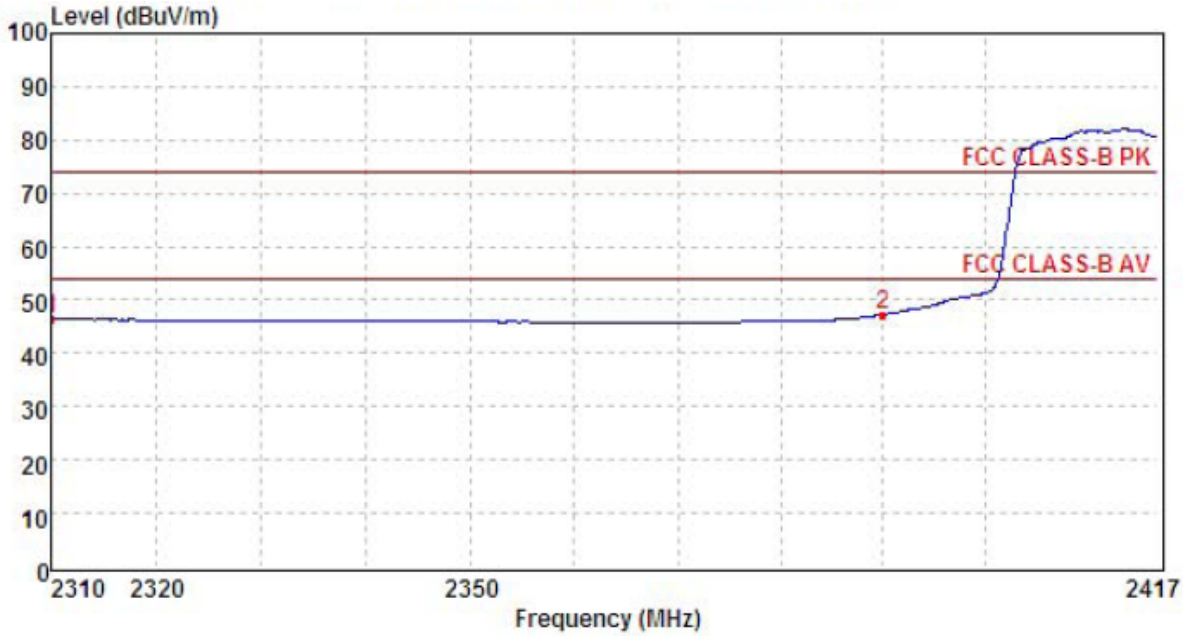
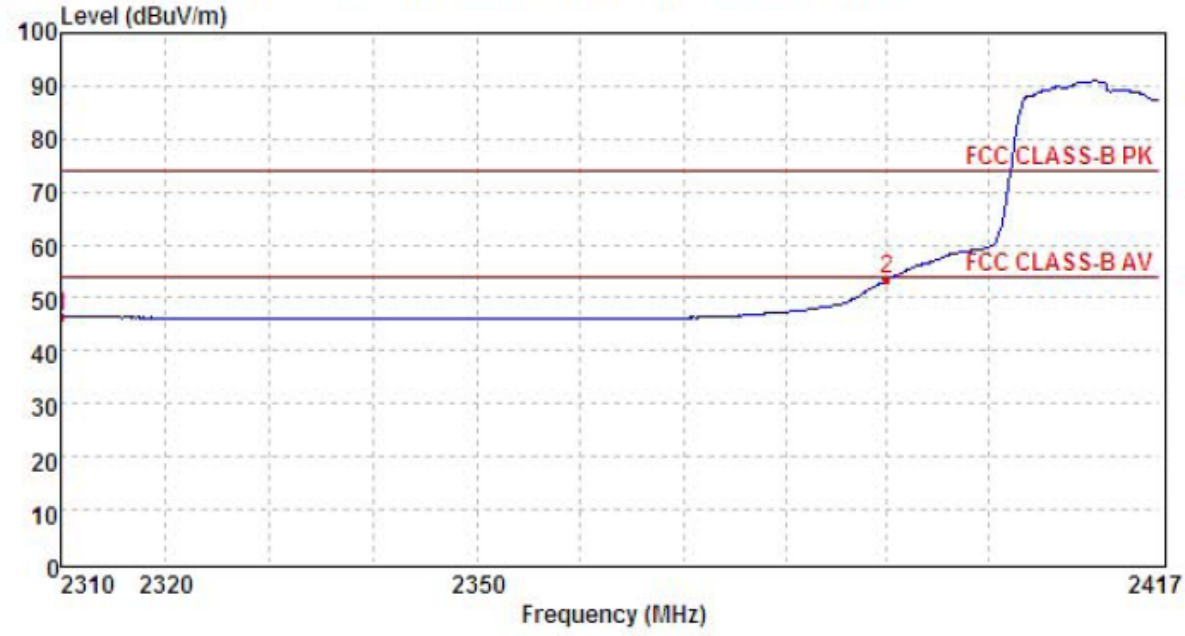
802.11n(HT20)-2412MHz Average:

Polarization:	Vertical



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2310.00	11.8	28.0	6.6	0.0	46.4	54.0	-7.6	Average
2	2390.01	12.9	27.6	6.8	0.0	47.3	54.0	-6.7	Average

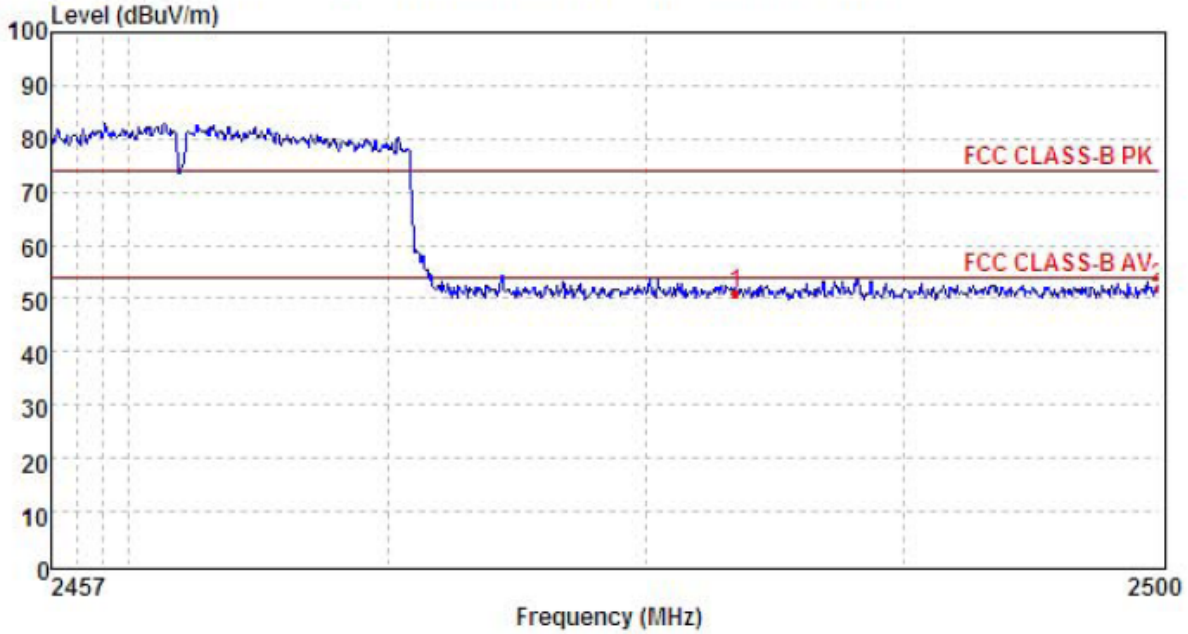
Polarization:	Horizontal



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2310.00	11.8	28.0	6.6	0.0	46.4	54.0	-7.6	Average
2	2390.01	19.0	27.6	6.8	0.0	53.4	54.0	-0.6	Average

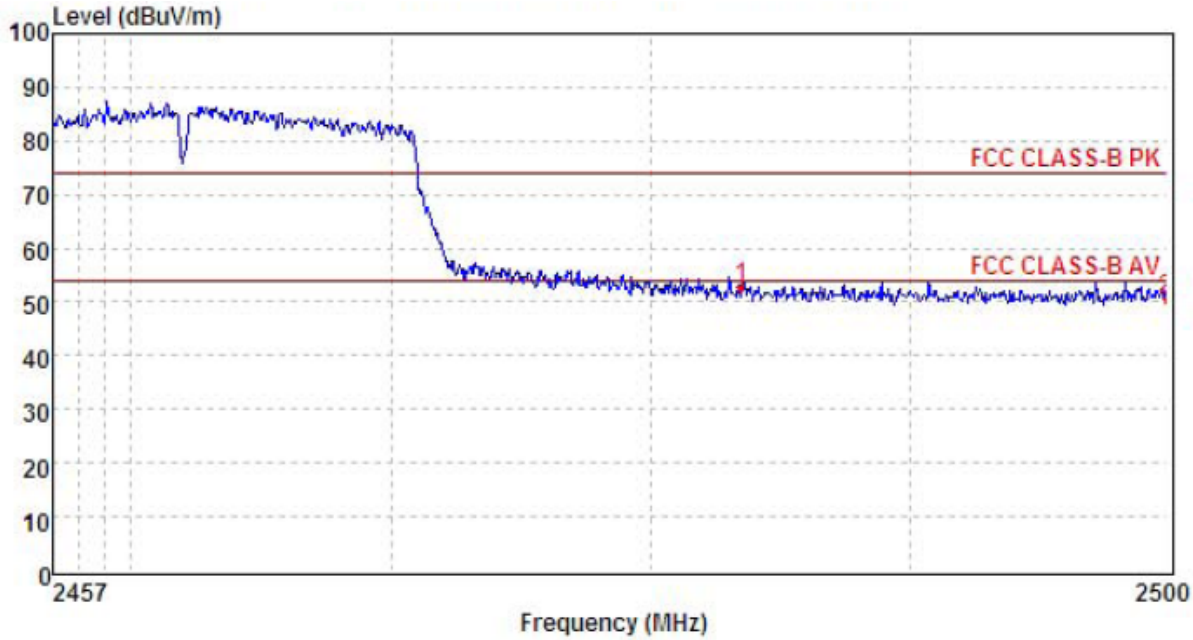
802.11n(HT20)-2462MHz Peak:

Polarization:	Vertical



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2483.49	16.7	27.3	6.8	0.0	50.8	74.0	-23.2	Peak
2	2500.00	17.9	27.2	6.8	0.0	51.9	74.0	-22.1	Peak

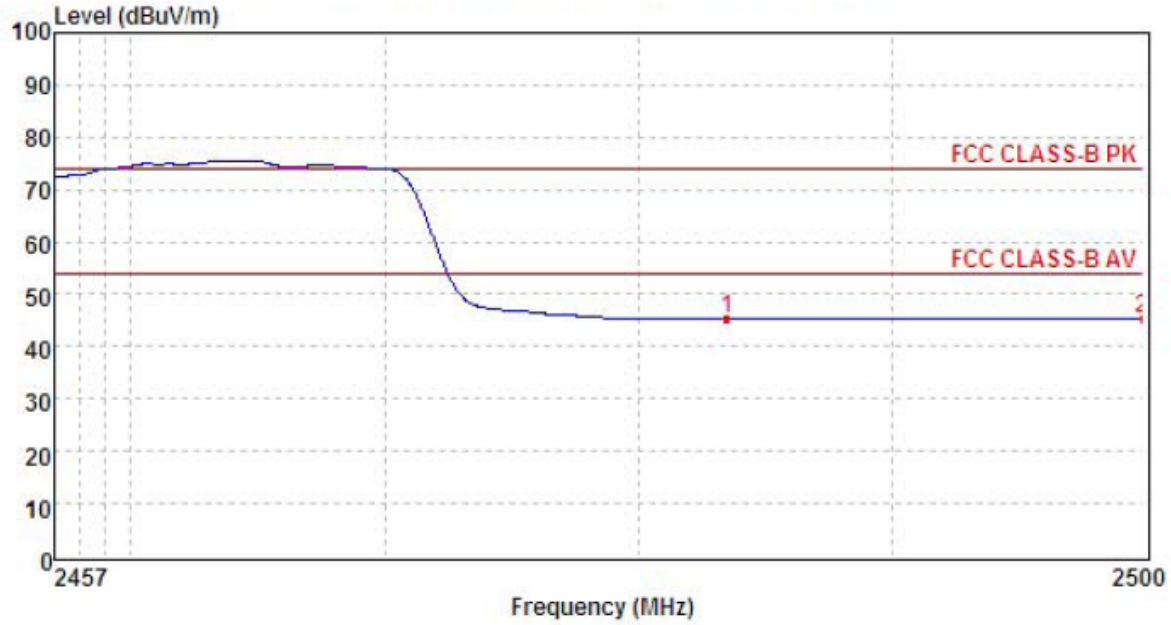
Polarization:	Horizontal



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2483.49	18.8	27.3	6.8	0.0	52.9	74.0	-21.1	Peak
2	2500.00	16.6	27.2	6.8	0.0	50.6	74.0	-23.4	Peak

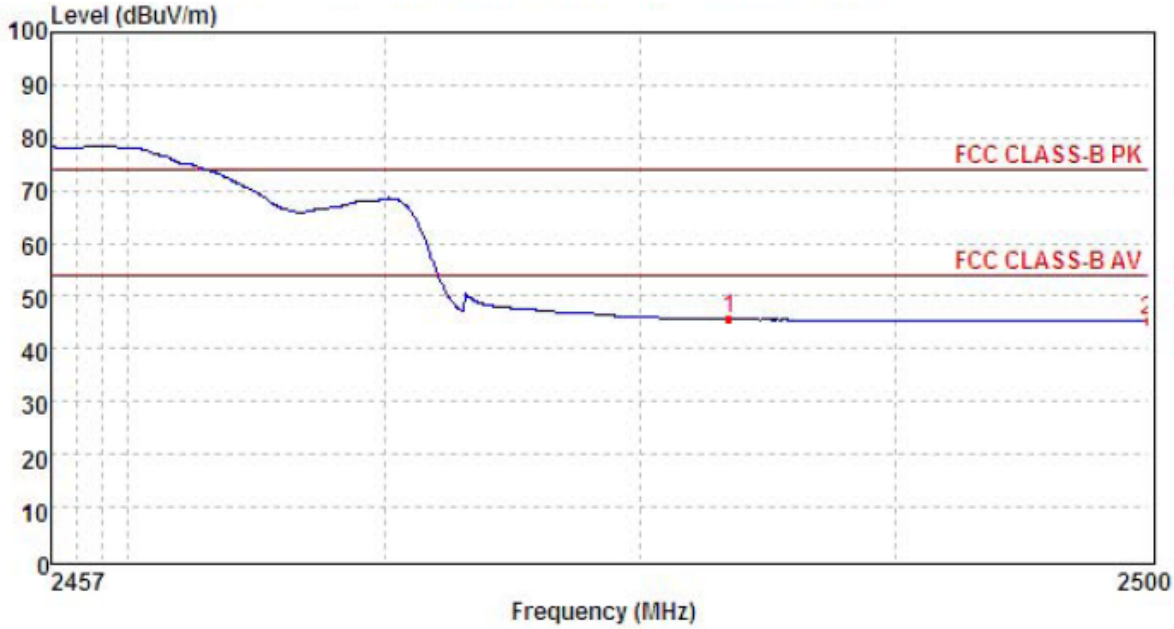
802.11n(HT20)-2462MHz Average:

Polarization:	Vertical



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2483.49	11.3	27.3	6.8	0.0	45.4	54.0	-8.6	Average
2	2500.00	11.3	27.2	6.8	0.0	45.3	54.0	-8.7	Average

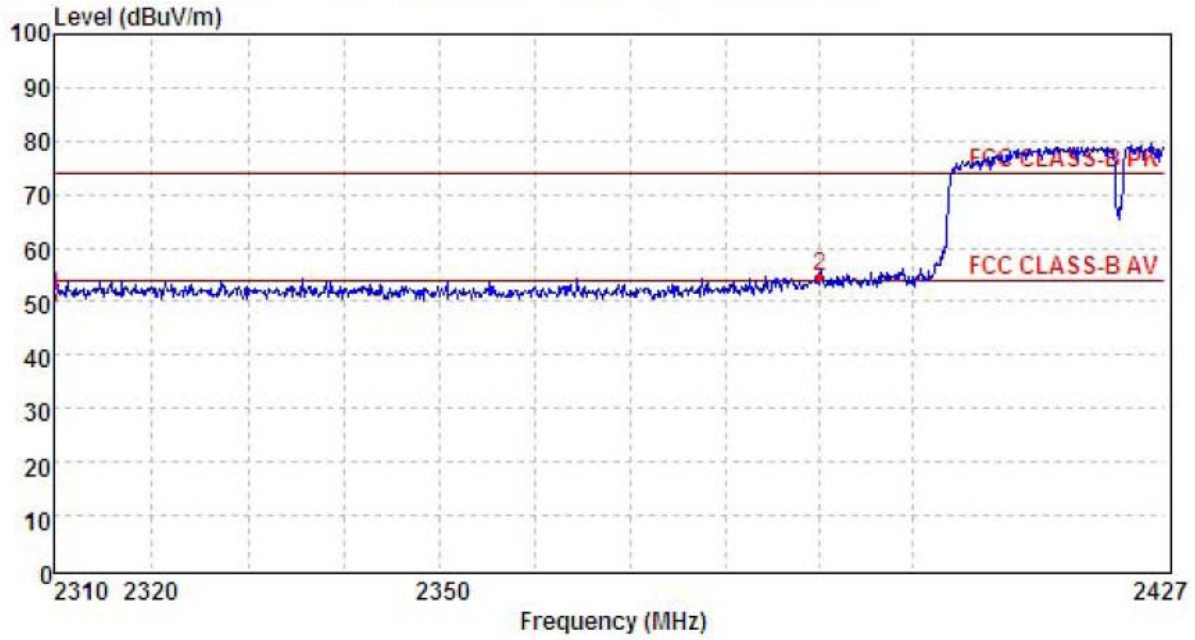
Polarization:	Horizontal



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2483.49	11.6	27.3	6.8	0.0	45.7	54.0	-8.3	Average
2	2500.00	11.3	27.2	6.8	0.0	45.3	54.0	-8.7	Average

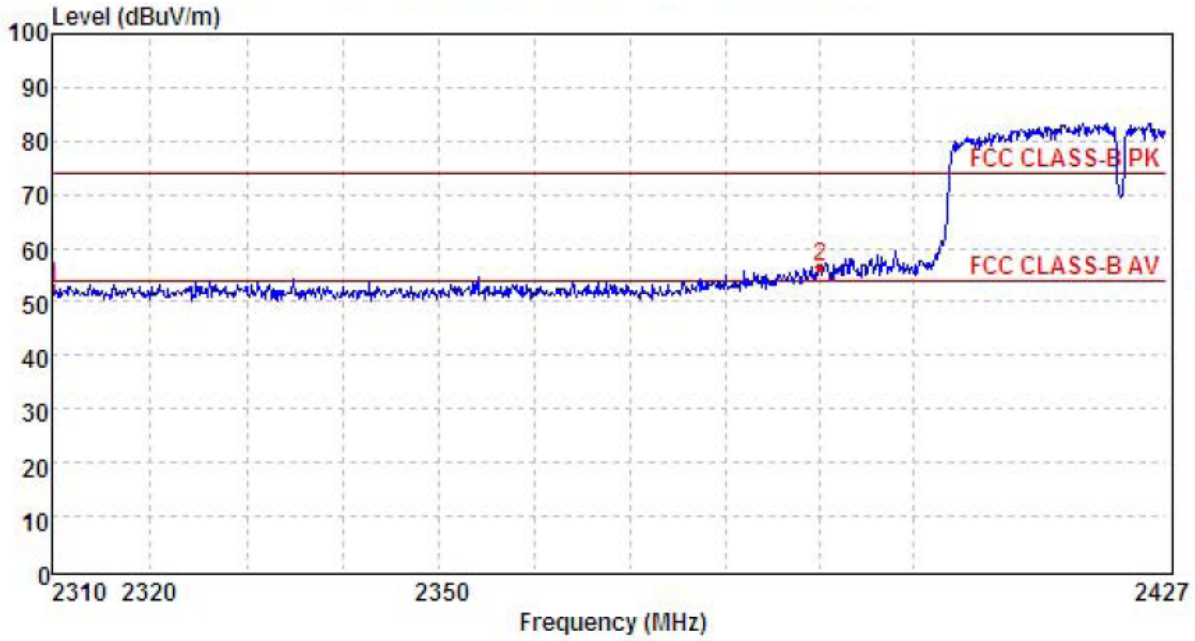
802.11n(HT40)-2422MHz Peak:

Polarization:	Vertical



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2310.00	16.4	28.0	6.6	0.0	51.0	74.0	-23.0	Peak
2	2389.99	20.1	27.6	6.8	0.0	54.5	74.0	-19.5	Peak

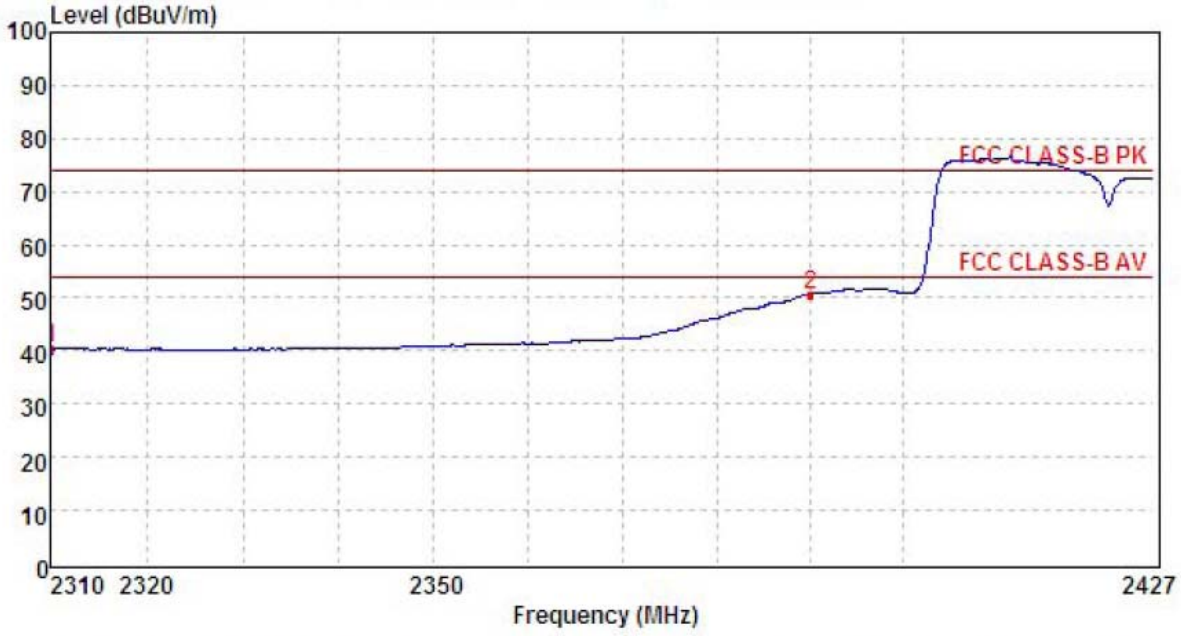
Polarization:	Horizontal



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2310.00	18.3	28.0	6.6	0.0	52.9	74.0	-21.1	Peak
2	2389.99	22.3	27.6	6.8	0.0	56.7	74.0	-17.3	Peak

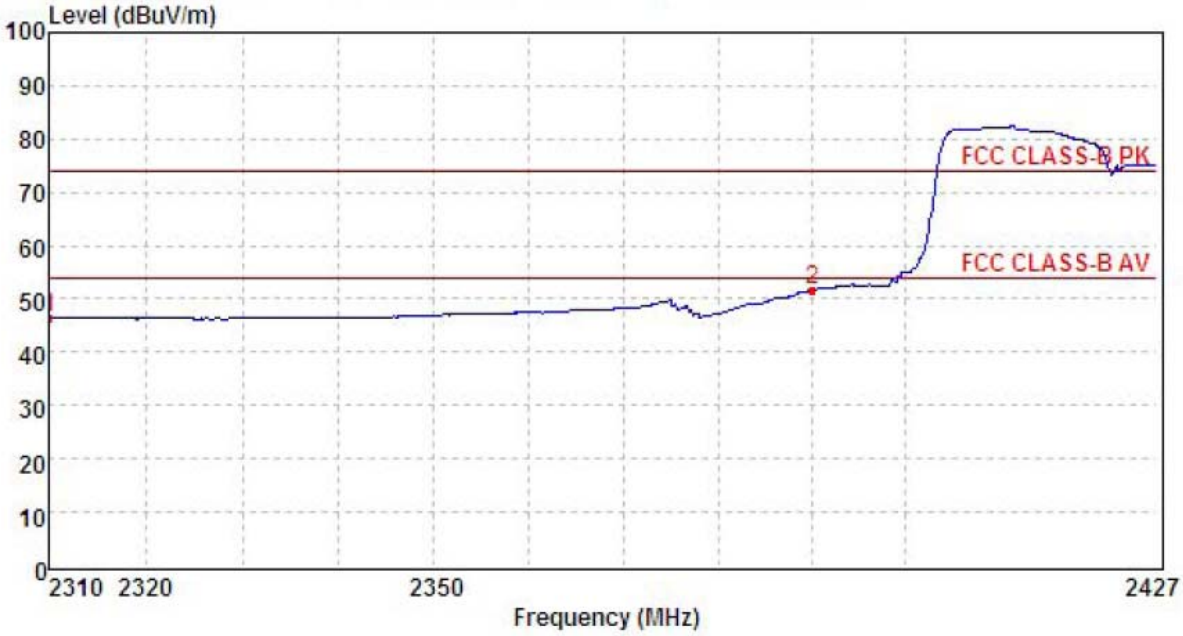
802.11n(HT40)-2422MHz Average:

Polarization:	Vertical



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2310.00	5.7	28.0	6.6	0.0	40.3	54.0	-13.7	Average
2	2389.99	16.3	27.6	6.8	0.0	50.7	54.0	-3.3	Average

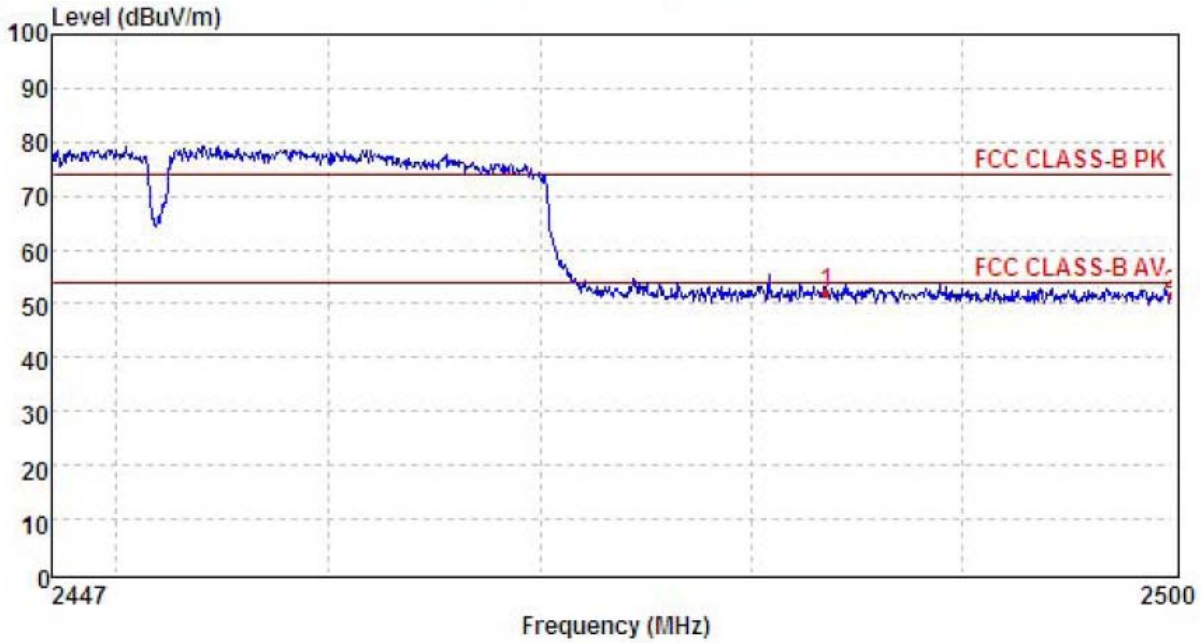
Polarization:	Horizontal



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2310.00	11.7	28.0	6.6	0.0	46.3	54.0	-7.7	Average
2	2389.99	17.3	27.6	6.8	0.0	51.7	54.0	-2.3	Average

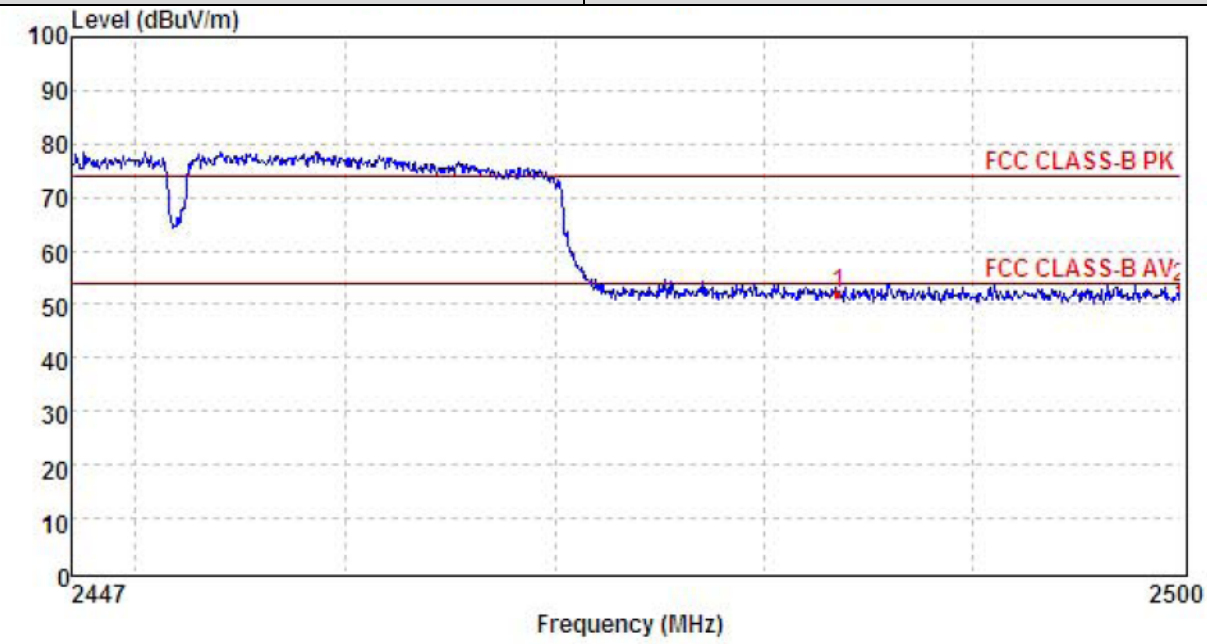
802.11n(HT40)-2452MHz Peak:

Polarization:	Vertical



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2483.50	18.1	27.3	6.8	0.0	52.2	74.0	-21.8	Peak
2	2500.00	17.6	27.2	6.8	0.0	51.6	74.0	-22.4	Peak

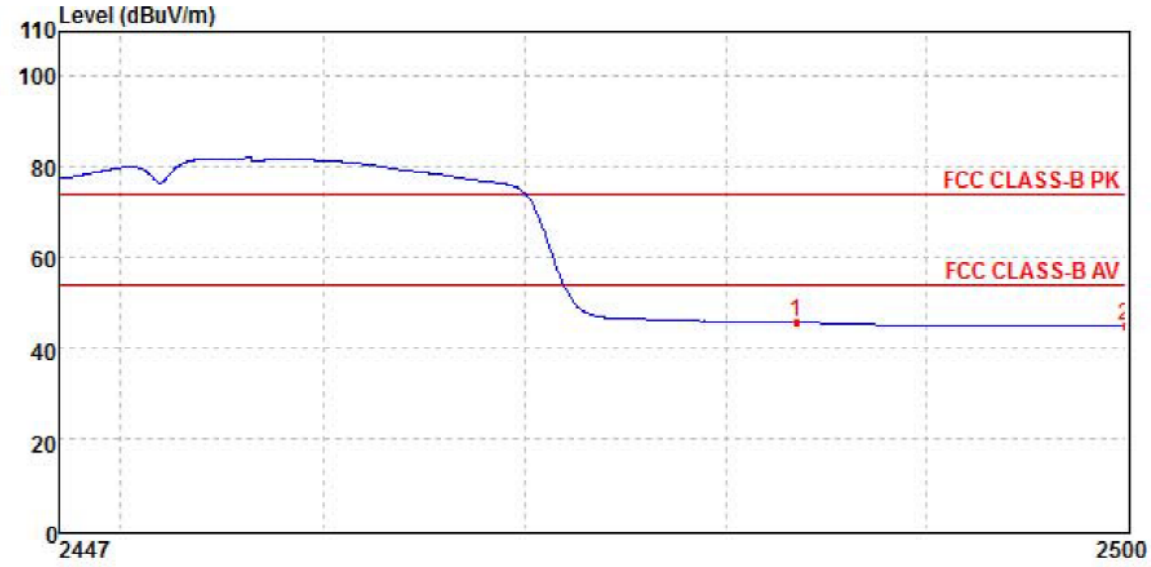
Polarization:	Horizontal



Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2483.50	18.0	27.3	6.8	0.0	52.1	74.0	-21.9	Peak
2	2500.00	19.1	27.2	6.8	0.0	53.1	74.0	-20.9	Peak

802.11n(HT40)-2452MHz Average:

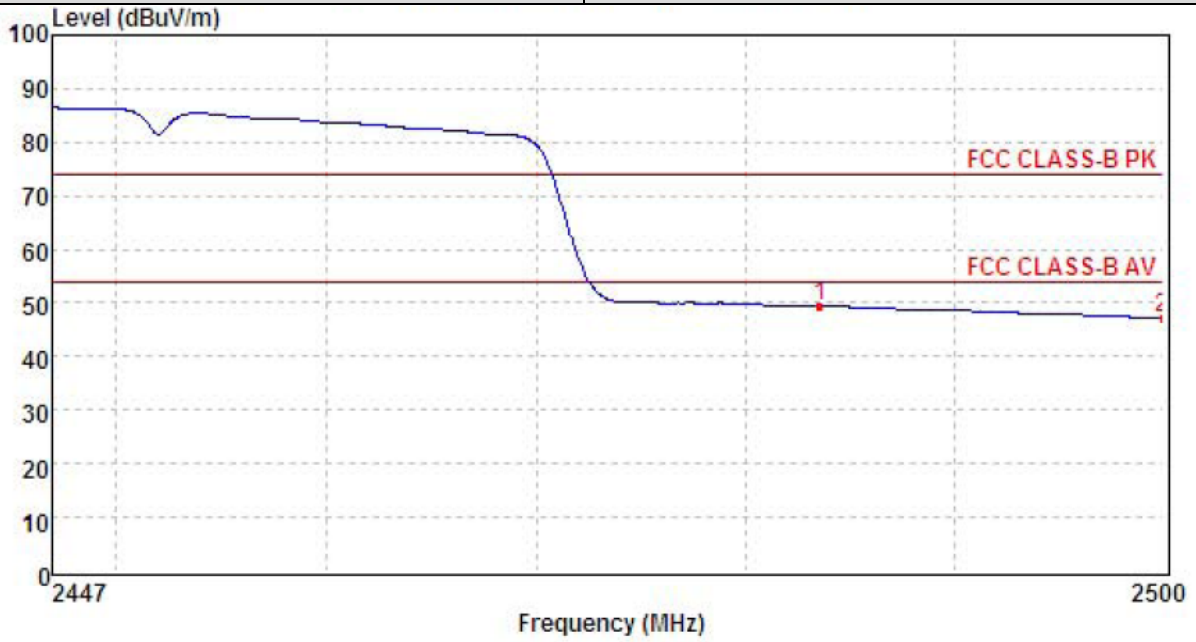
Polarization:	Vertical



Trace: (Discrete)

Mark	Frequency mhz	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2483.50	11.63	27.26	6.83	0.00	45.72	54.00	-8.28	Average
2	2500.00	10.94	27.20	6.84	0.00	44.98	54.00	-9.02	Average

Polarization:	Horizontal



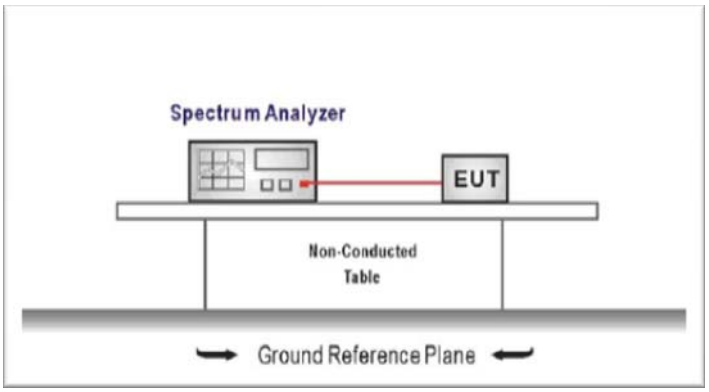
Mark	Frequency MHZ	Reading dBuv/m	Antenna dB	Cable dB	Preamp dB	Level dBuv/m	Limit dBuv/m	Over limit	Remark
1	2483.50	15.3	27.3	6.8	0.0	49.4	54.0	-4.6	Average
2	2500.00	13.1	27.2	6.8	0.0	47.1	54.0	-6.9	Average

5.7. Band edge and Spurious Emissions (conducted)

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section15.247 (d):
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

TEST CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input.
2. Establish a reference level by using the following procedure
   Center frequency=DTS channel center frequency
   The span = 1.5 times the DTS bandwidth.
   RBW = 100 kHz, VBW ≥ 3 x RBW
   Detector = peak, Sweep time = auto couple, Trace mode = max hold
   Allow trace to fully stabilize
   Use the peak marker function to determine the maximum PSD level

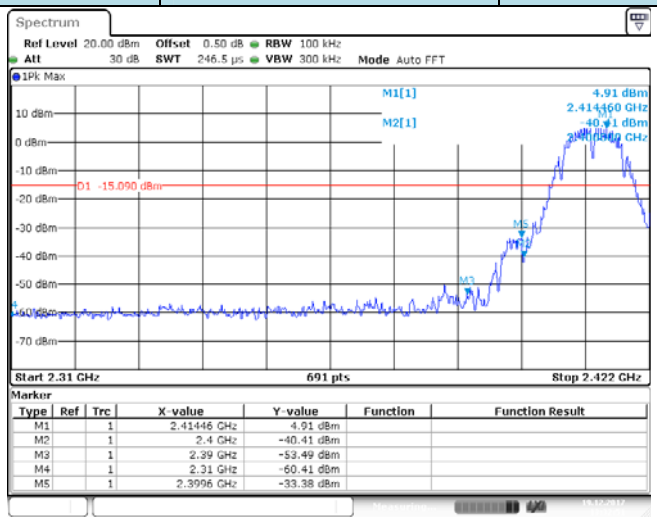
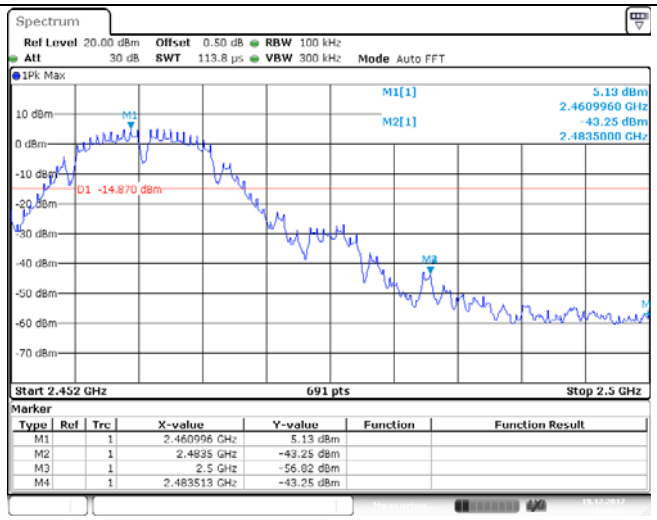
   Note: the channel found to contain the maximum PSD level can be used to establish the reference level.
3. Emission level measurement
   Set the center frequency and span to encompass frequency range to be measured
   RBW = 100 kHz, VBW ≥ 3 x RBW
   Detector = peak, Sweep time = auto couple, Trace mode = max hold
   Allow trace to fully stabilize
   Use the peak marker function to determine the maximum amplitude level.
4. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
5. Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

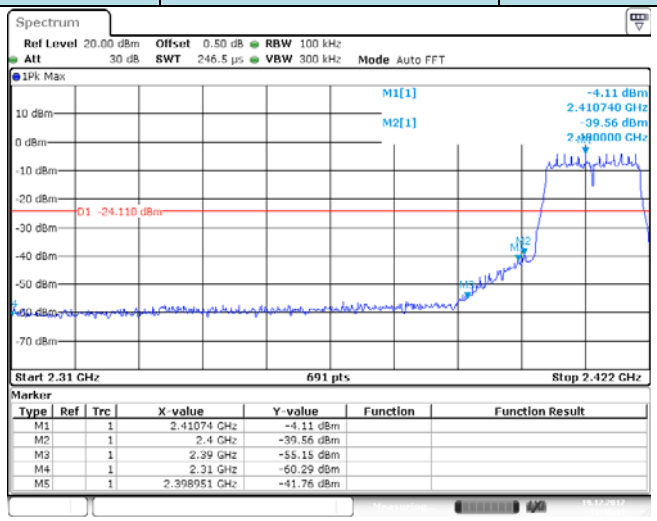
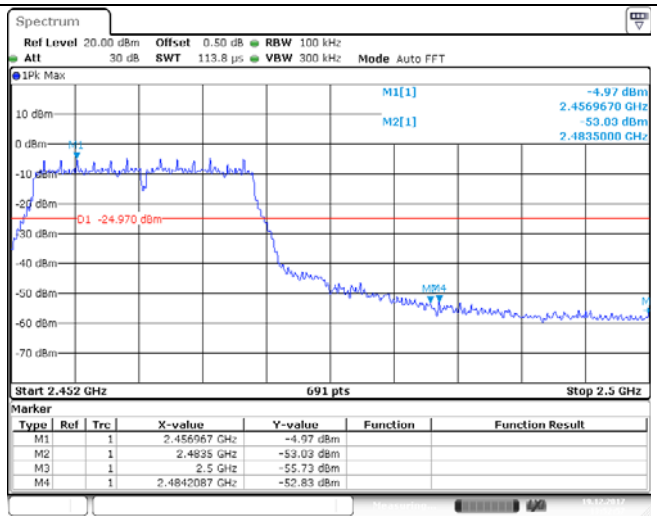
TEST MODE:

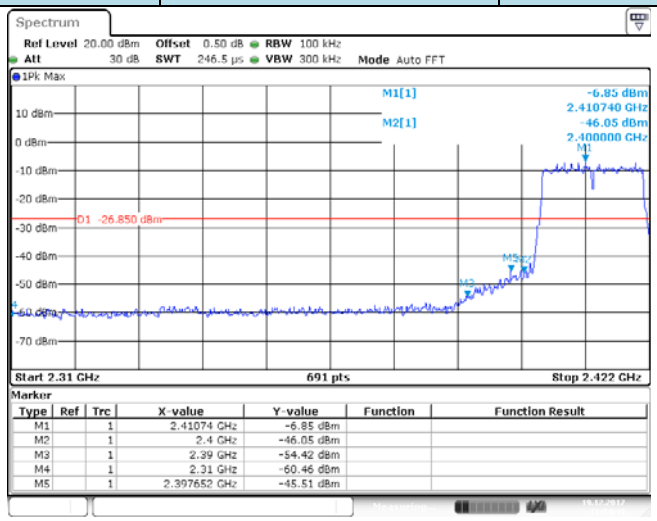
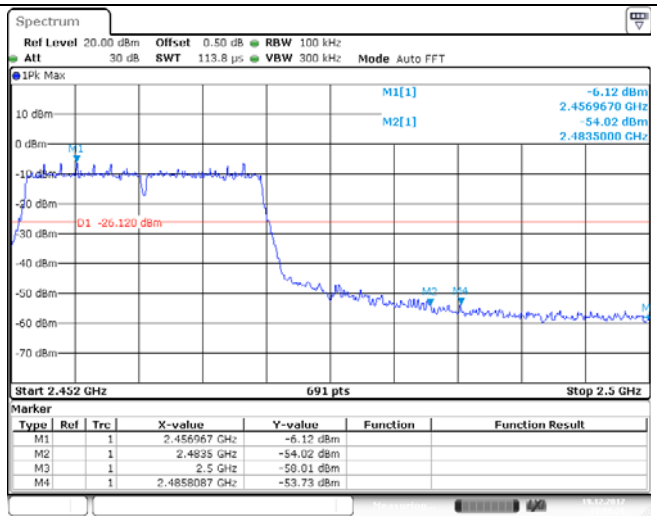
Please refer to the clause 3.3

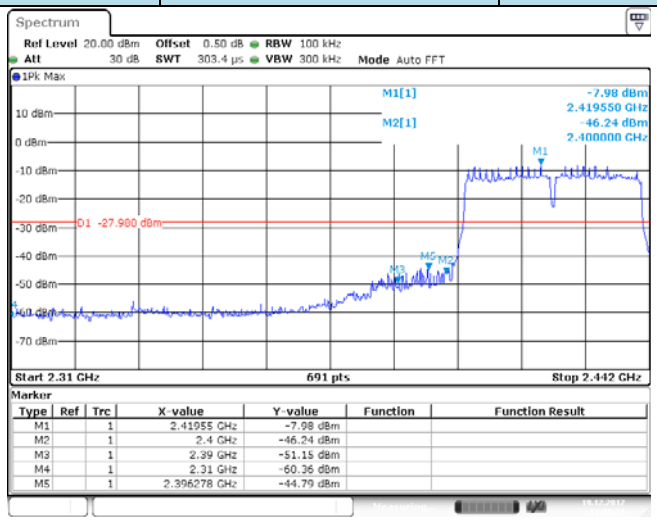
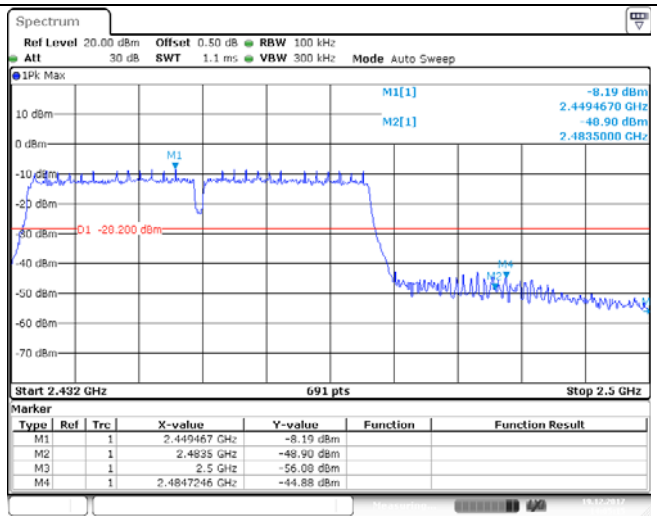
TEST RESULTS

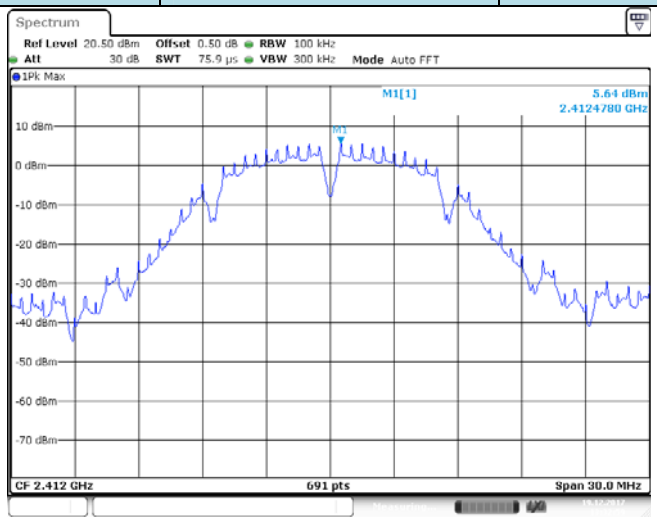
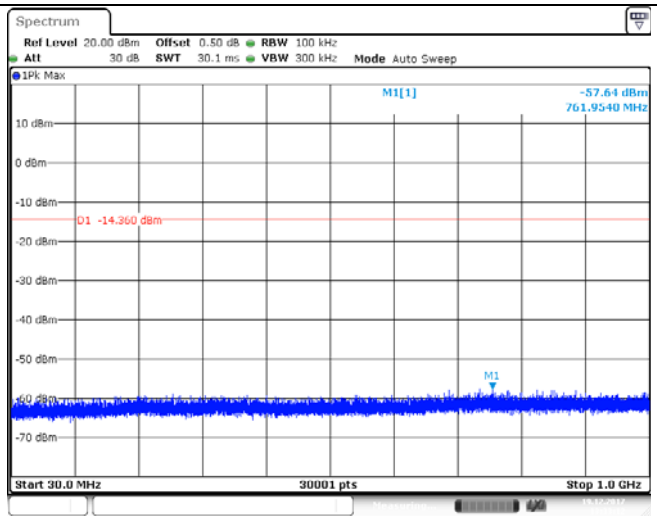
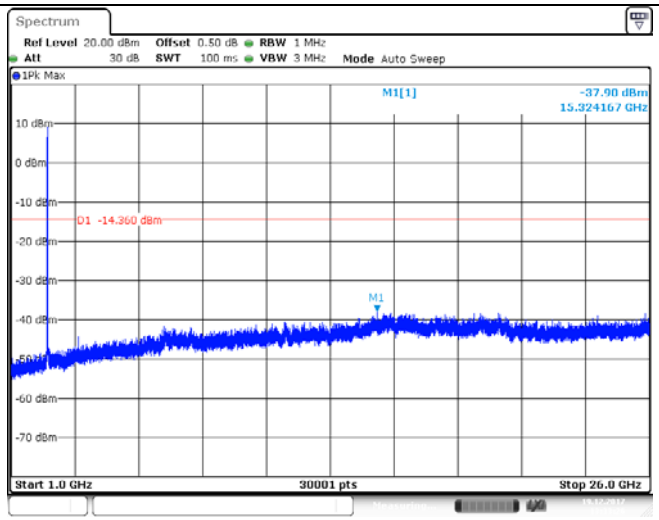
☒ **Passed** ☐ **Not Applicable**

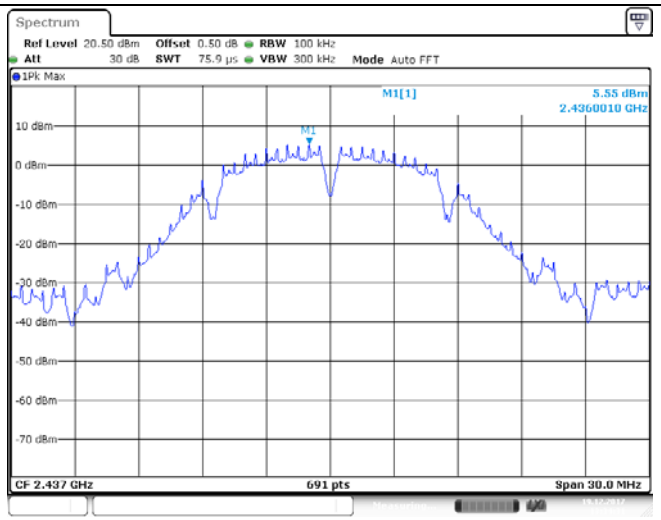
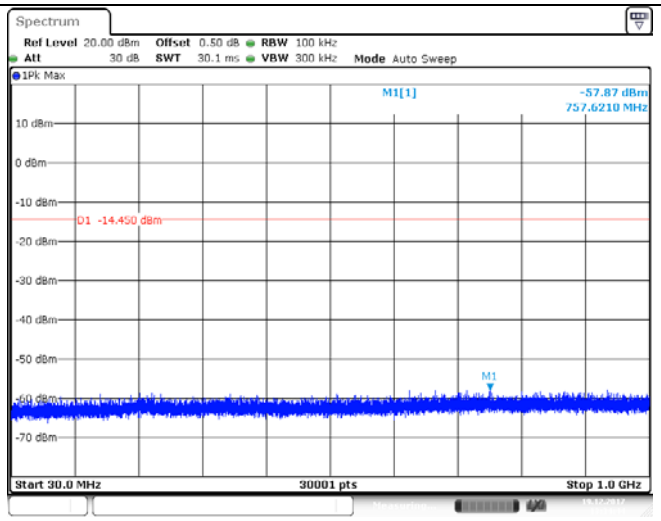
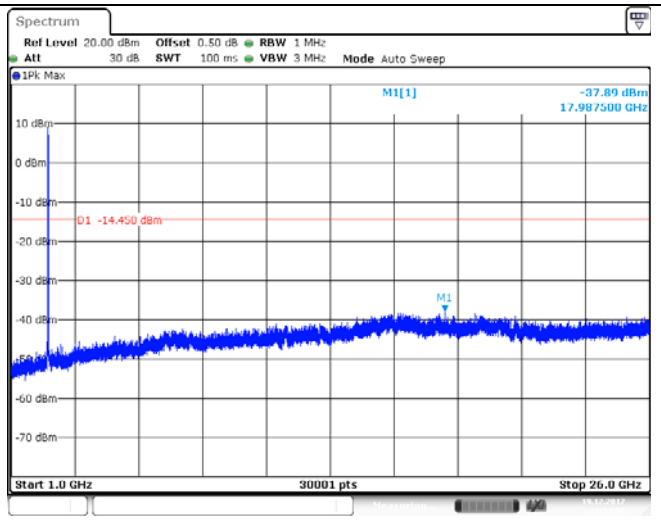
Test Item:	Bandedge	Type:	802.11 b
CH01			
CH11			

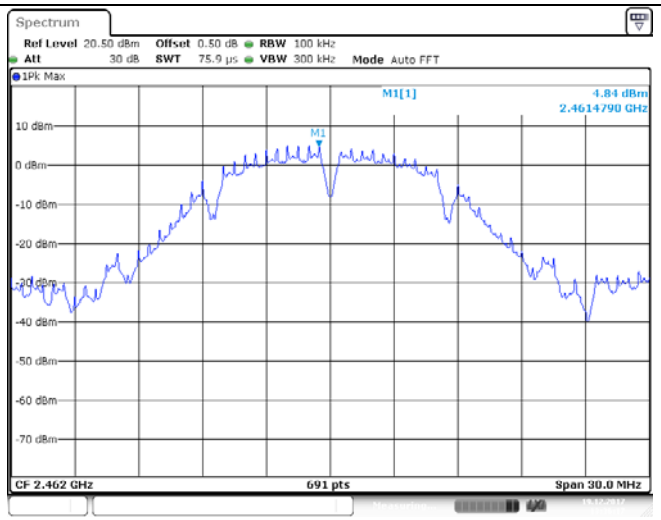
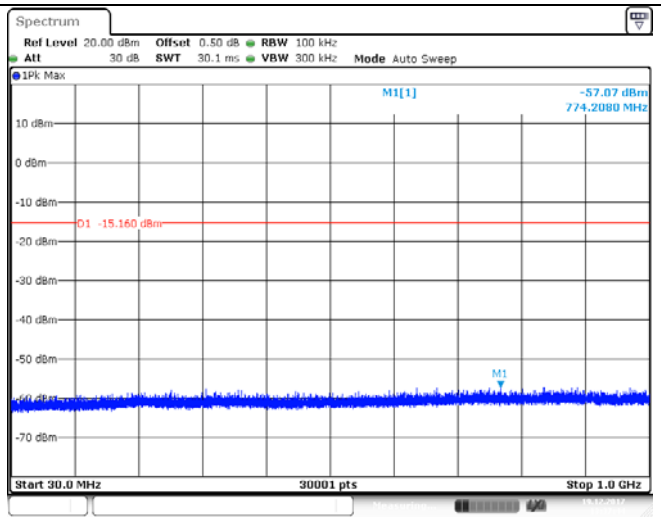
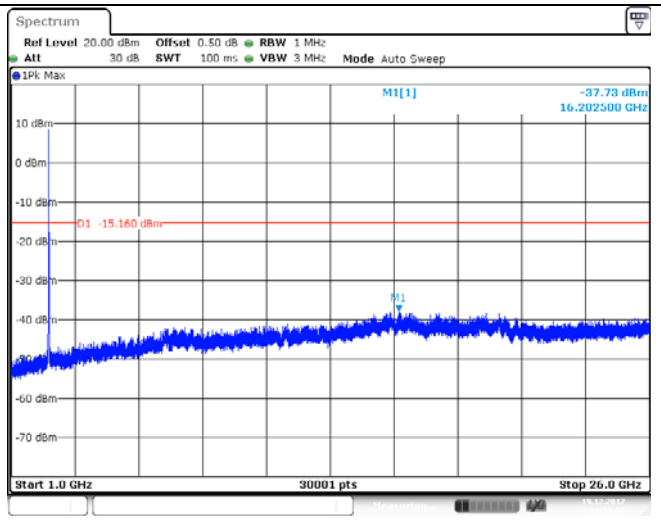
Test Item:	Bandedge	Type:	802.11 g
CH01	
CH11	

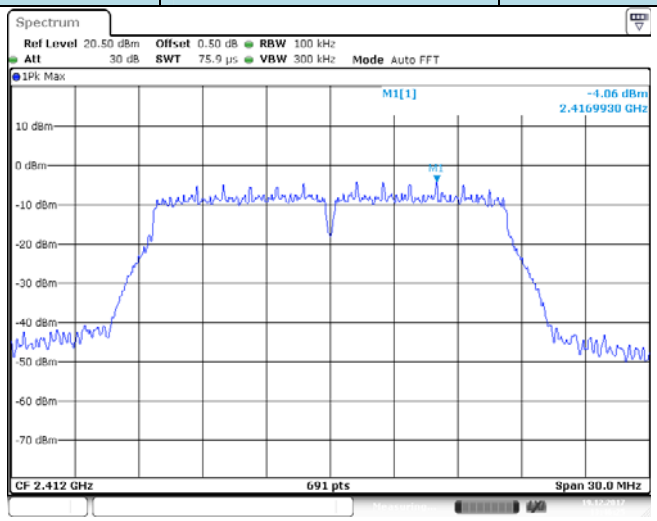
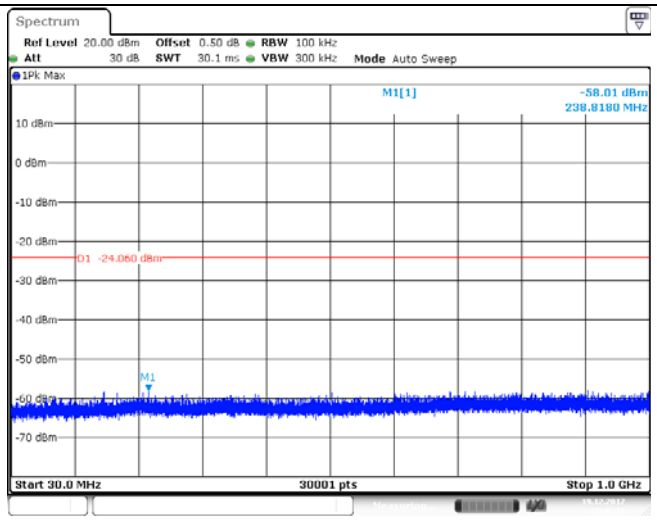
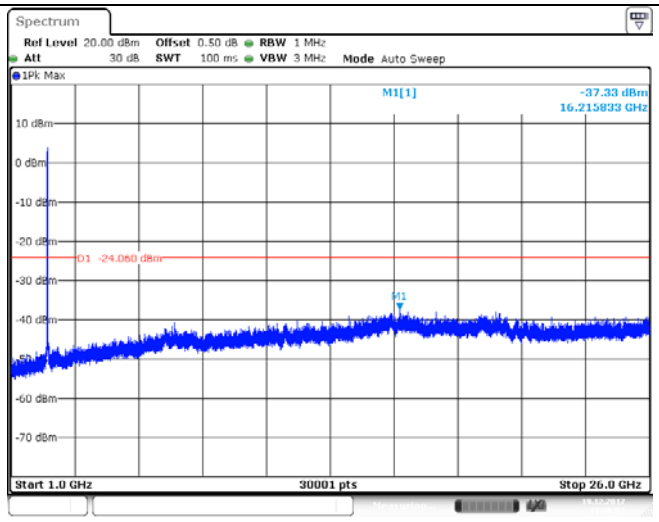
Test Item:	Bandedge	Type:	802.11 n(HT20)
CH01			
CH11			

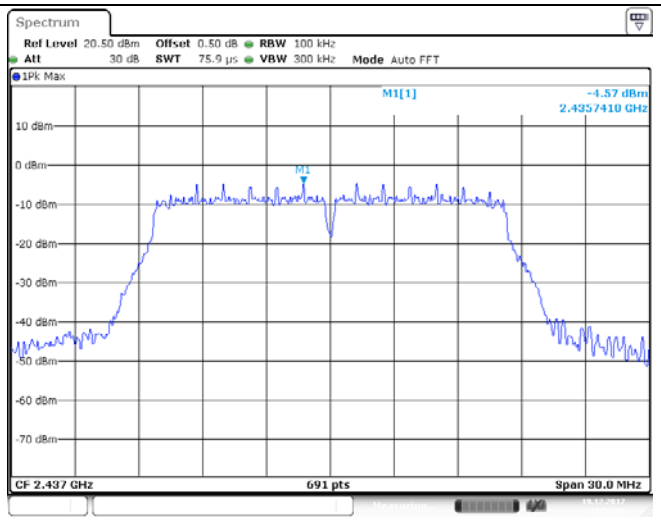
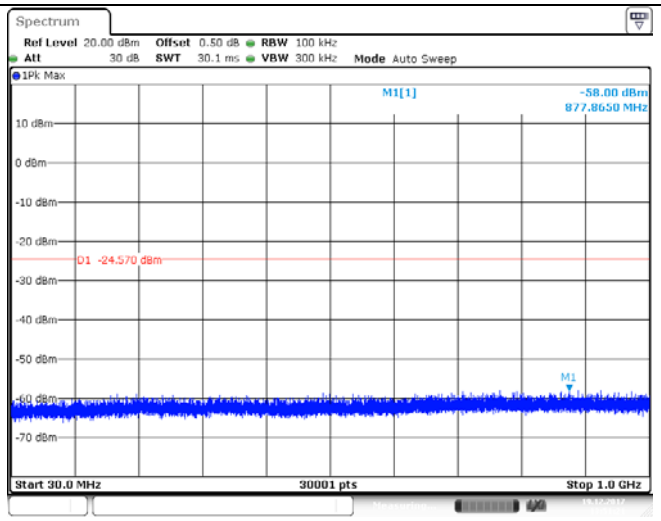
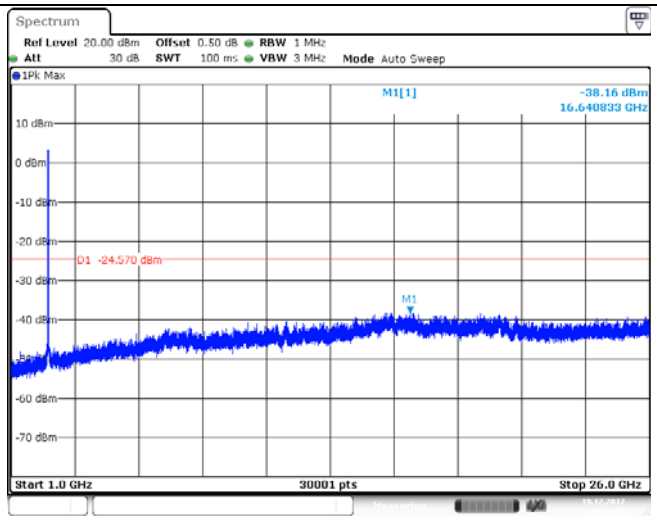
Test Item:	Bandedge	Type:	802.11 n(HT40)
CH03			
CH09			

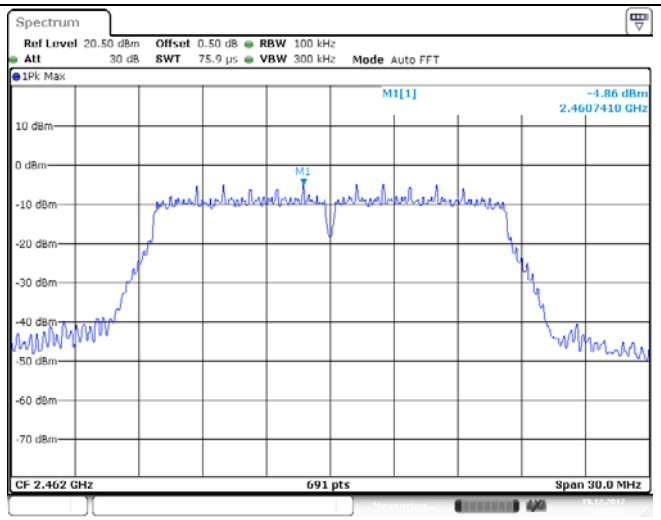
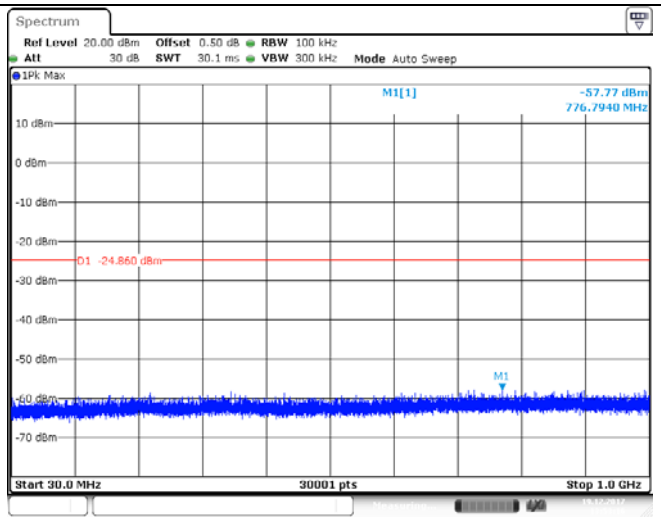
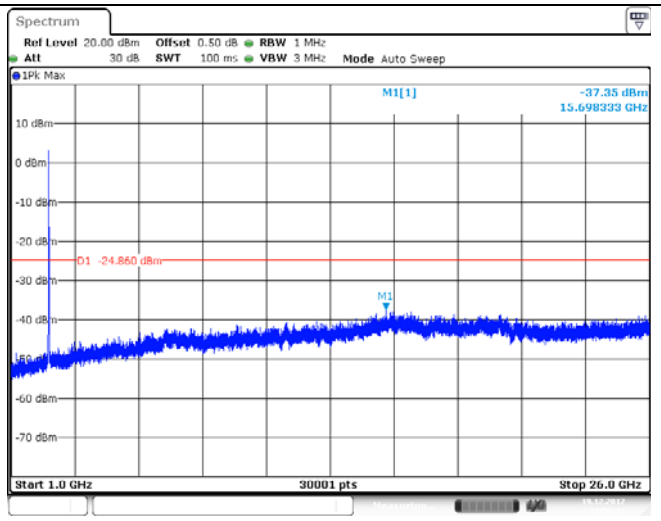
Test Item:	SE	Type:	802.11 b
Reference level CH01			
CH01			
			

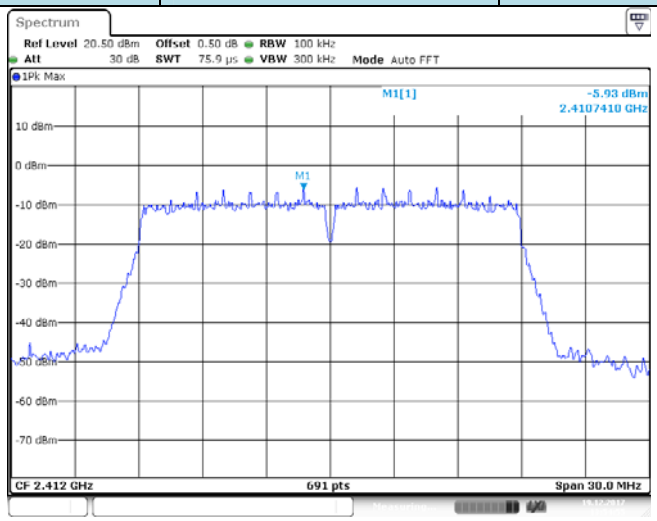
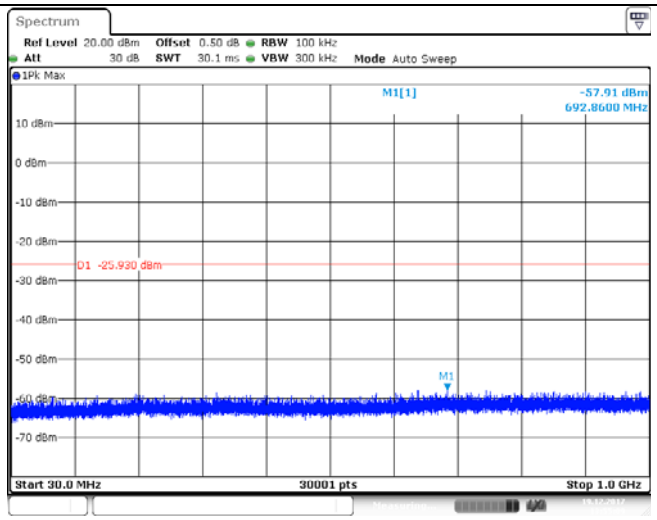
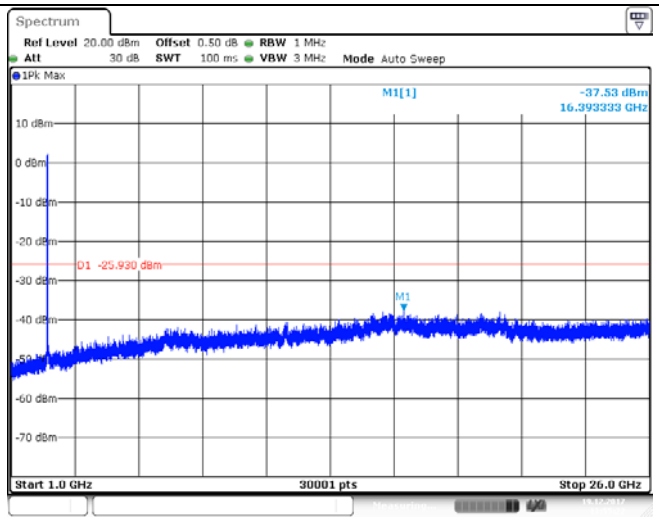
Reference level CH06	
CH06	
	

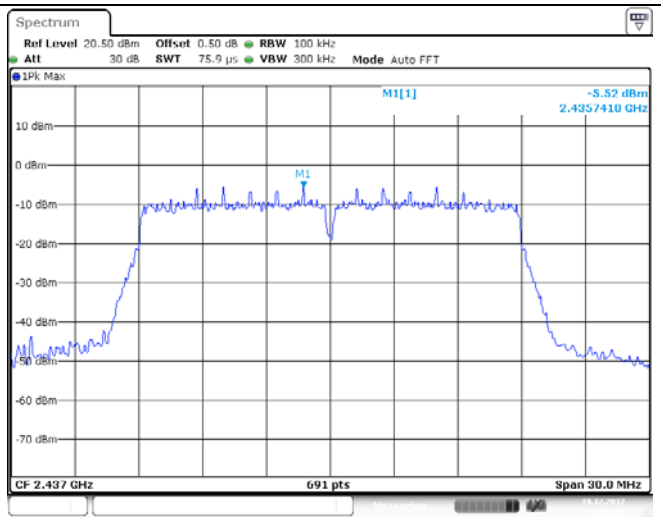
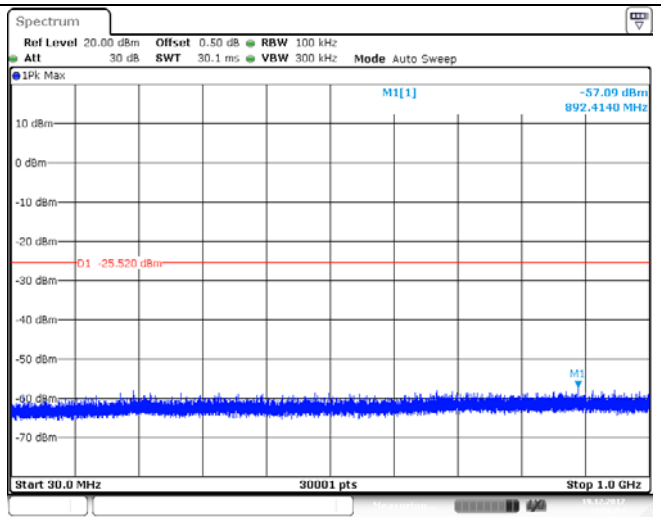
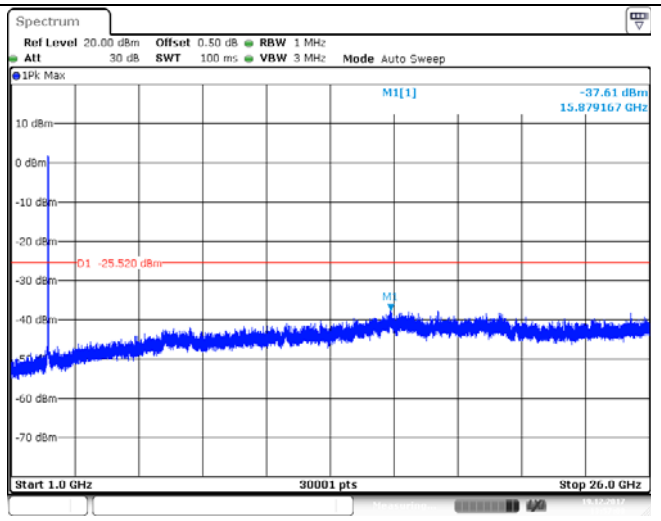
Reference level CH11	
CH11	 

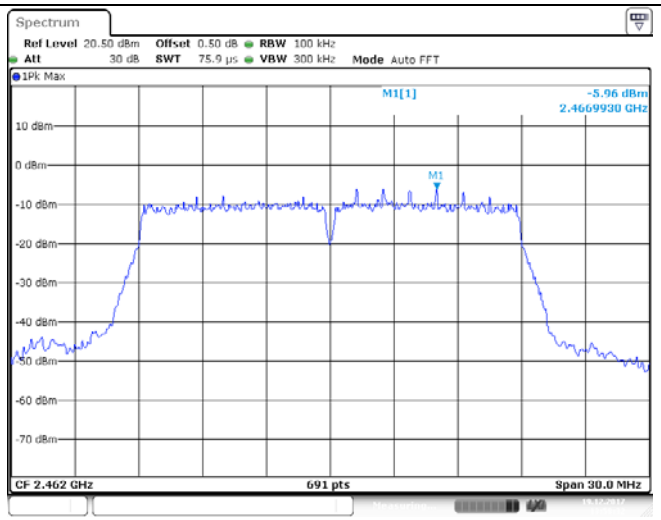
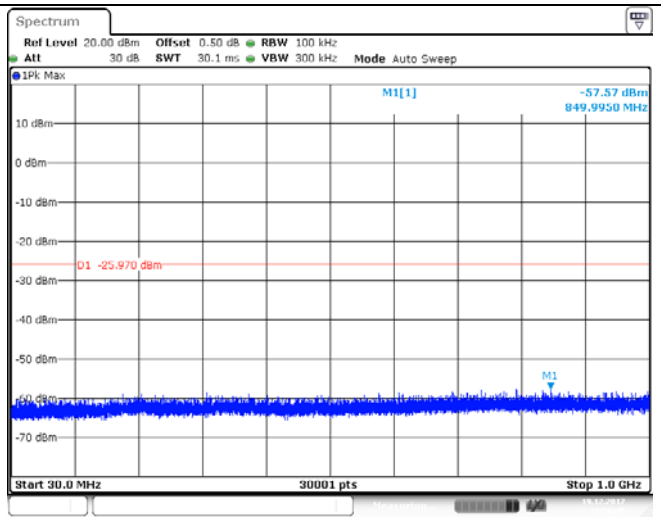
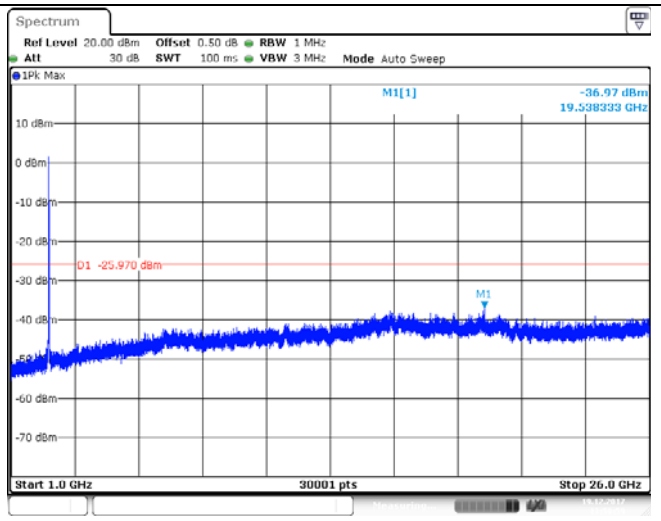
Test Item:	SE	Type:	802.11 g
Reference level CH01			
CH01			
			

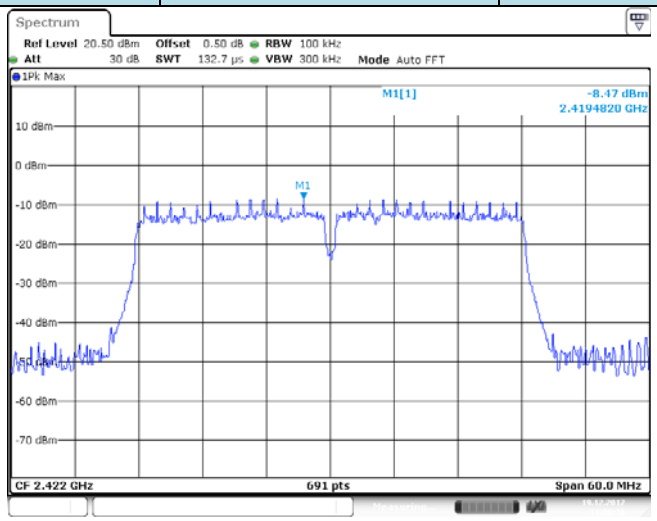
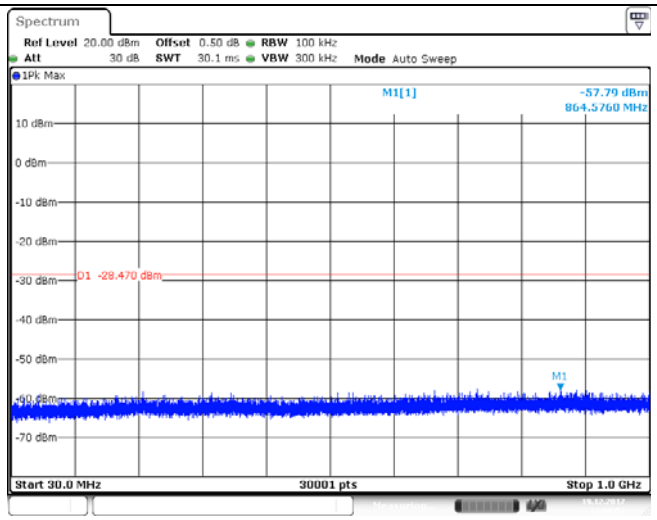
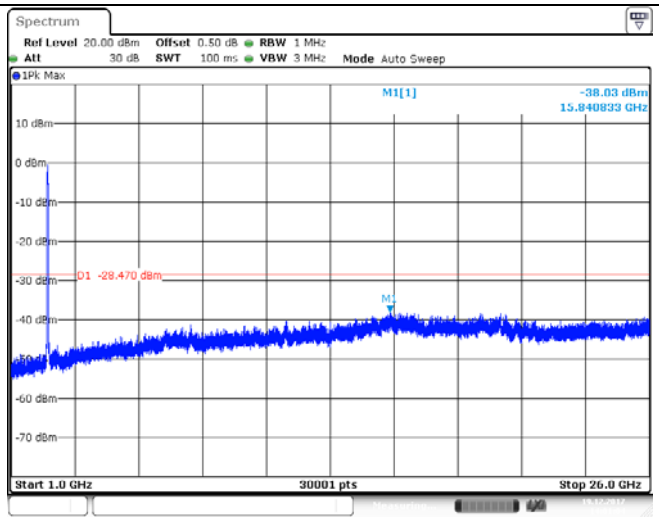
Reference level CH06	
CH06	
	

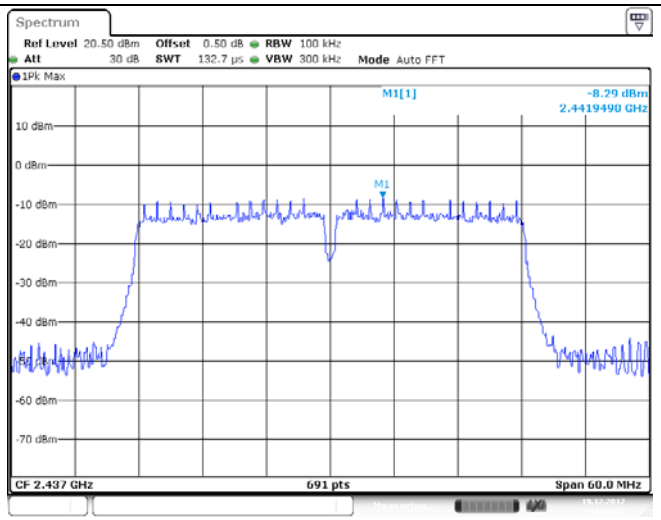
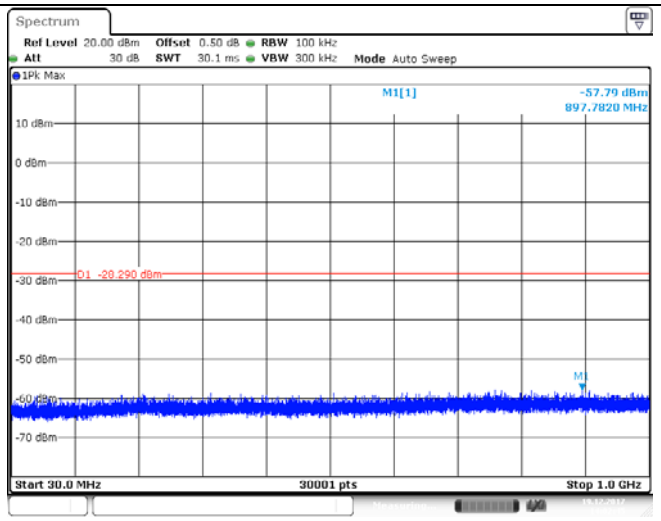
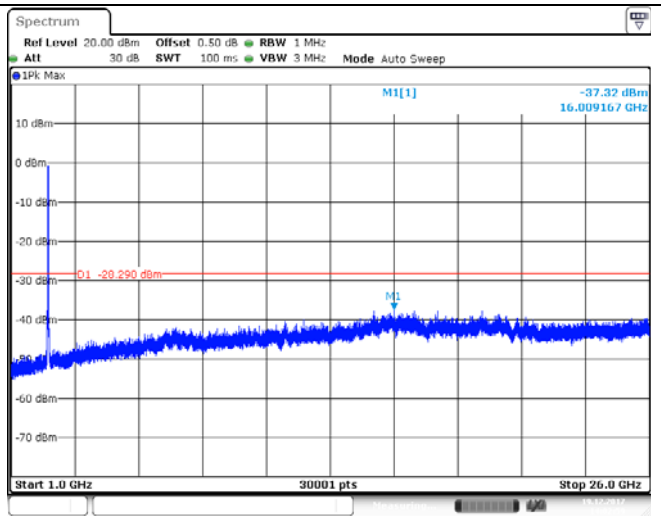
Reference level CH11	
CH11	
	

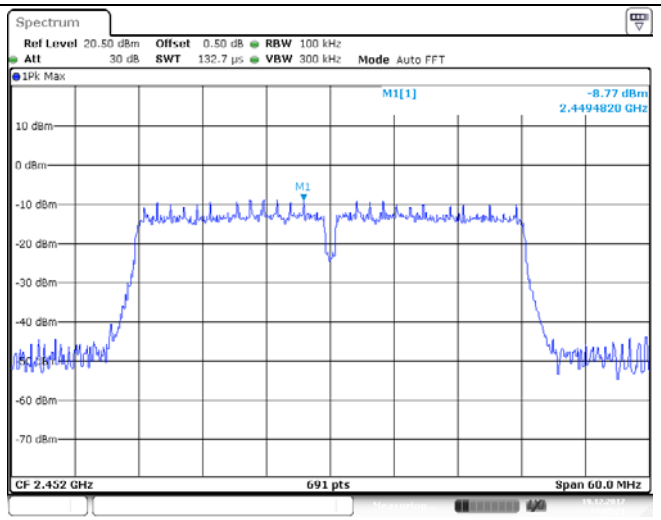
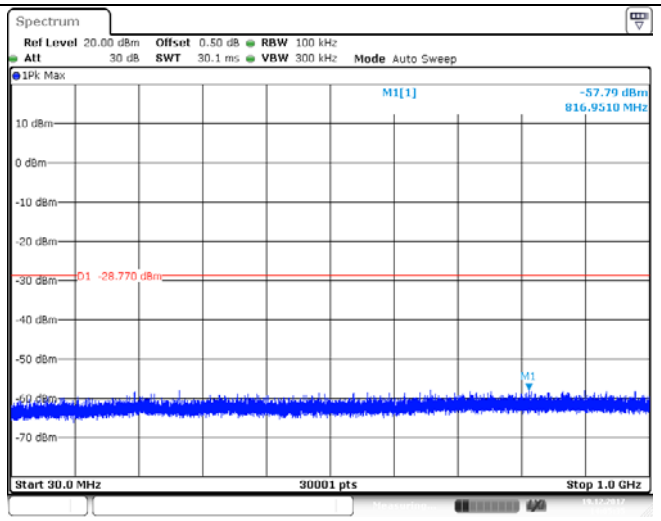
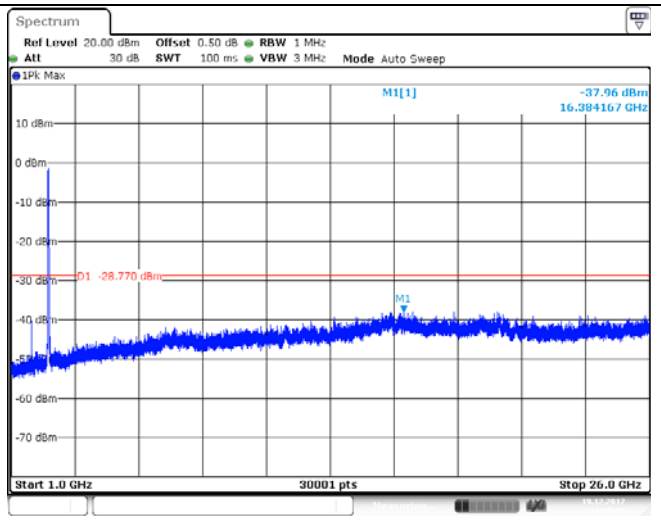
Test Item:	SE	Type:	802.11 n(HT20)
Reference level CH01			
CH01			
			

Reference level CH06	
CH06	
	

Reference level CH11	
CH11	
	

Test Item:	SE	Type:	802.11 n(HT40)
Reference level CH03			
CH03			
			

Reference level CH06	
CH06	
	

Reference level CH09	
CH09	
	

5.8. Spurious Emissions (radiated)

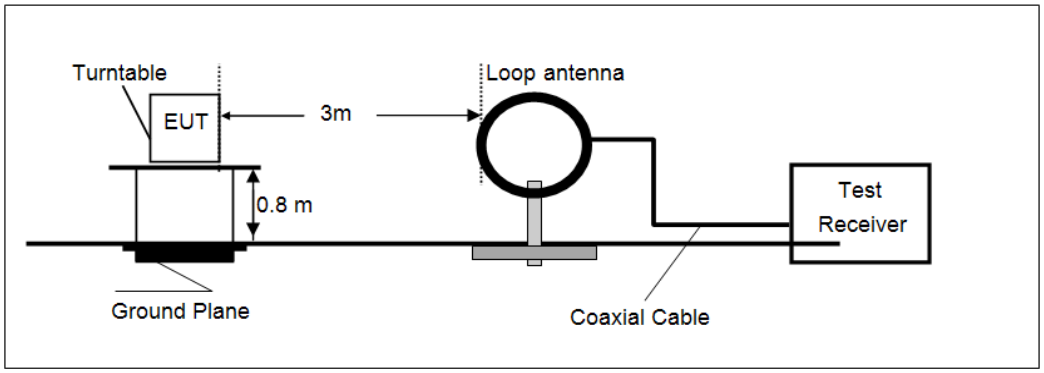
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

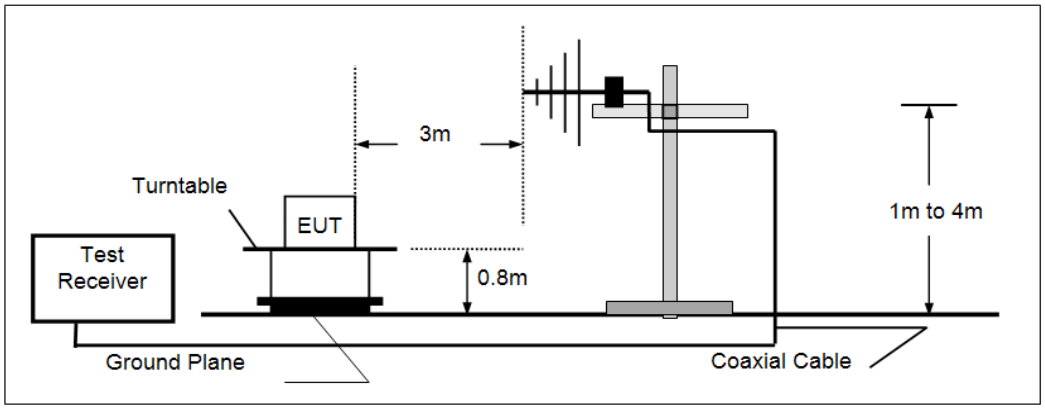
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

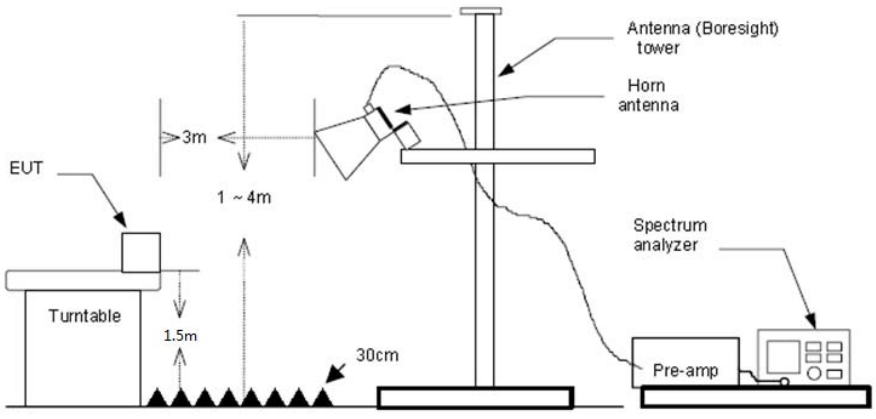
➢ 9kHz ~30MHz



➢ 30MHz ~ 1GHz



➢ Above 1GHz



TEST PROCEDURE

1. The EUT was setup and 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 for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Below 1 GHz:
   RBW=120 kHz, VBW=300 kHz, 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) From 1 GHz to 10^{th} harmonic:
   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**

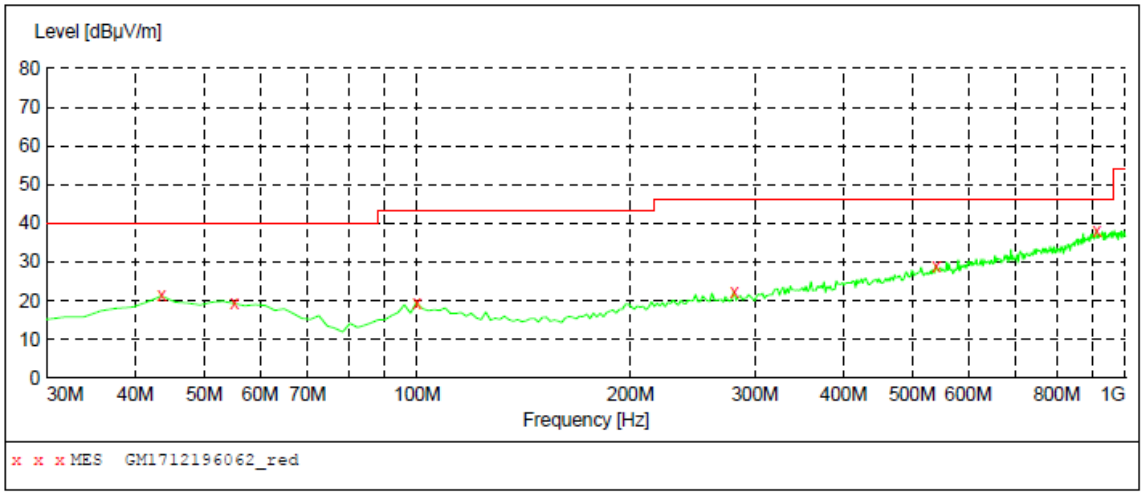
Note:
1) Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2) The emission levels of other frequencies are very lower than the limit and not show in test report.

- **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**

Polarization:	Vertical

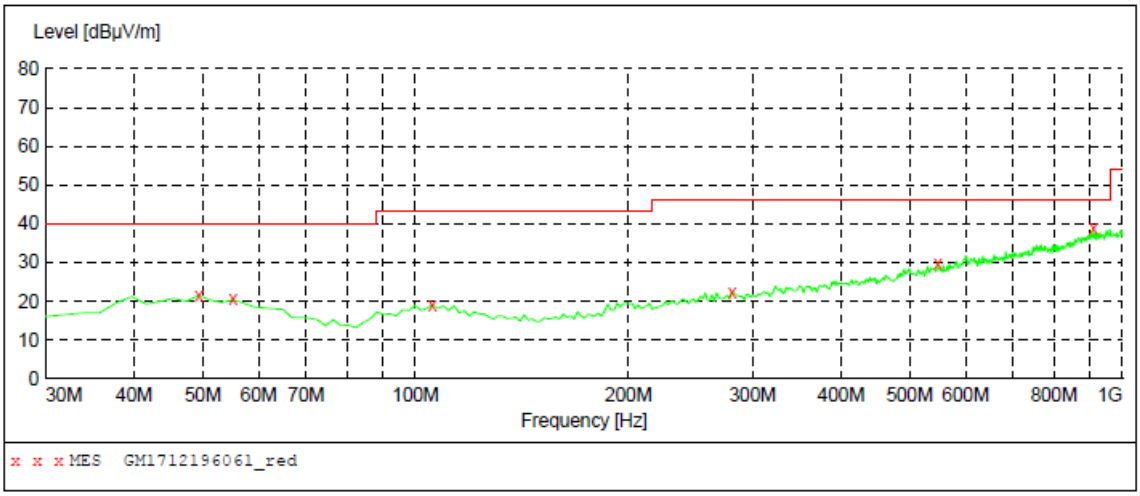


MEASUREMENT RESULT: "GM1712196062_red"

12/19/2017 5:41PM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
43.580000	21.30	-9.1	40.0	18.7	QP	100.0	194.00	VERTICAL
55.220000	19.30	-9.2	40.0	20.7	QP	100.0	0.00	VERTICAL
99.840000	19.60	-10.6	43.5	23.9	QP	100.0	265.00	VERTICAL
280.260000	22.30	-7.7	46.0	23.7	QP	100.0	0.00	VERTICAL
540.220000	29.10	-1.0	46.0	16.9	QP	100.0	45.00	VERTICAL
910.760000	38.10	6.9	46.0	7.9	QP	100.0	7.00	VERTICAL

Polarization:	Horizontal



MEASUREMENT RESULT: "GM1712196061_red"

12/19/2017 5:38PM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
49.400000	21.60	-8.7	40.0	18.4	QP	300.0	0.00	HORIZONTAL
55.220000	20.50	-9.2	40.0	19.5	QP	300.0	12.00	HORIZONTAL
105.660000	19.20	-10.5	43.5	24.3	QP	300.0	321.00	HORIZONTAL
280.260000	22.50	-7.7	46.0	23.5	QP	300.0	80.00	HORIZONTAL
547.980000	29.80	-0.8	46.0	16.2	QP	300.0	333.00	HORIZONTAL
908.820000	38.80	6.9	46.0	7.2	QP	100.0	46.00	HORIZONTAL

➢ **1 GHz ~ 25 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
1634.42	35.33	25.01	5.64	36.79	29.19	74.00	-44.81	Vertical	Peak
3096.33	36.23	28.79	7.60	38.22	34.40	74.00	-39.60	Vertical	Peak
5009.43	33.04	31.54	9.68	36.39	37.87	74.00	-36.13	Vertical	Peak
7376.08	31.83	36.30	12.04	34.85	45.32	74.00	-28.68	Vertical	Peak
1545.41	34.59	25.38	5.41	36.65	28.73	74.00	-45.27	Horizontal	Peak
3192.37	36.95	28.80	7.71	38.20	35.26	74.00	-38.74	Horizontal	Peak
4821.76	43.38	31.56	9.55	36.90	47.59	74.00	-26.41	Horizontal	Peak
7245.81	34.66	36.25	11.91	35.02	47.80	74.00	-26.20	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
1759.64	36.33	25.32	5.88	37.06	30.47	74.00	-43.53	Vertical	Peak
3112.13	35.10	28.80	7.61	38.21	33.30	74.00	-40.70	Vertical	Peak
4871.10	45.57	31.46	9.59	36.76	49.86	74.00	-24.14	Vertical	Peak
6140.85	33.63	32.66	10.91	35.34	41.86	74.00	-32.14	Vertical	Peak
1719.78	34.77	25.24	5.80	36.97	28.84	74.00	-45.16	Horizontal	Peak
4191.82	33.32	29.99	8.93	37.67	34.57	74.00	-39.43	Horizontal	Peak
4946.07	31.81	31.45	9.63	36.55	36.34	74.00	-37.66	Horizontal	Peak
5617.41	31.86	31.76	10.30	35.82	38.10	74.00	-35.90	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
1232.12	35.97	26.27	4.71	36.55	30.40	74.00	-43.60	Vertical	Peak
3854.08	35.51	29.65	8.58	38.20	35.54	74.00	-38.46	Vertical	Peak
5099.49	32.74	31.90	9.75	36.30	38.09	74.00	-35.91	Vertical	Peak
10587.85	31.77	39.96	13.59	33.37	51.95	74.00	-22.05	Vertical	Peak
1764.12	34.80	25.33	5.89	37.06	28.96	74.00	-45.04	Horizontal	Peak
3644.18	35.33	29.30	8.32	38.26	34.69	74.00	-39.31	Horizontal	Peak
4883.52	33.03	31.43	9.59	36.73	37.32	74.00	-36.68	Horizontal	Peak
7027.82	32.32	35.38	11.85	34.83	44.72	74.00	-29.28	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(test frequency band is 1GHz to 25GHz) 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
1569.19	35.80	25.17	5.48	36.68	29.77	74.00	-44.23	Vertical	Peak
3616.45	37.24	29.30	8.29	38.27	36.56	74.00	-37.44	Vertical	Peak
4821.76	43.35	31.56	9.55	36.90	47.56	74.00	-26.44	Vertical	Peak
6868.65	33.41	34.48	11.69	34.92	44.66	74.00	-29.34	Vertical	Peak
1241.56	35.51	26.26	4.73	36.55	29.95	74.00	-44.05	Horizontal	Peak
3616.45	39.01	29.30	8.29	38.27	38.33	74.00	-35.67	Horizontal	Peak
4834.05	37.30	31.53	9.56	36.86	41.53	74.00	-32.47	Horizontal	Peak
7860.74	31.65	36.47	12.97	34.91	46.18	74.00	-27.82	Horizontal	Peak

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
1764.12	34.48	25.33	5.89	37.06	28.64	74.00	-45.36	Vertical	Peak
3176.16	35.40	28.80	7.69	38.20	33.69	74.00	-40.31	Vertical	Peak
3653.46	38.75	29.30	8.33	38.26	38.12	74.00	-35.88	Vertical	Peak
6781.78	32.95	34.04	11.58	35.02	43.55	74.00	-30.45	Vertical	Peak
1529.75	36.26	25.53	5.37	36.63	30.53	74.00	-43.47	Horizontal	Peak
3588.94	34.96	29.27	8.25	38.29	34.19	74.00	-39.81	Horizontal	Peak
4883.52	40.50	31.43	9.59	36.73	44.79	74.00	-29.21	Horizontal	Peak
7301.36	35.40	36.30	11.97	34.95	48.72	74.00	-25.28	Horizontal	Peak

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
1782.18	36.19	25.37	5.93	37.10	30.39	74.00	-43.61	Vertical	Peak
3120.06	35.97	28.80	7.62	38.21	34.18	74.00	-39.82	Vertical	Peak
4920.96	41.19	31.42	9.62	36.62	45.61	74.00	-28.39	Vertical	Peak
7117.84	32.49	35.71	11.86	34.96	45.10	74.00	-28.90	Vertical	Peak
1732.97	35.19	25.27	5.83	37.00	29.29	74.00	-44.71	Horizontal	Peak
3690.85	38.34	29.30	8.37	38.25	37.76	74.00	-36.24	Horizontal	Peak
4920.96	35.60	31.42	9.62	36.62	40.02	74.00	-33.98	Horizontal	Peak
6696.01	31.94	34.20	11.48	35.18	42.44	74.00	-31.56	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(test frequency band is 1GHz to 25GHz) 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
1759.64	35.09	25.32	5.88	37.06	29.23	74.00	-44.77	Vertical	Peak
3616.45	38.51	29.30	8.29	38.27	37.83	74.00	-36.17	Vertical	Peak
5762.24	31.58	31.91	10.53	35.42	38.60	74.00	-35.40	Vertical	Peak
7566.25	32.88	36.17	12.61	34.95	46.71	74.00	-27.29	Vertical	Peak
1777.65	36.08	25.36	5.92	37.09	30.27	74.00	-43.73	Horizontal	Peak
4354.97	33.73	30.37	9.09	37.58	35.61	74.00	-38.39	Horizontal	Peak
4821.76	38.09	31.56	9.55	36.90	42.30	74.00	-31.70	Horizontal	Peak
7227.39	34.99	36.23	11.89	35.04	48.07	74.00	-25.93	Horizontal	Peak

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
1786.72	35.69	25.37	5.93	37.11	29.88	74.00	-44.12	Vertical	Peak
3653.46	38.30	29.30	8.33	38.26	37.67	74.00	-36.33	Vertical	Peak
4871.10	41.26	31.46	9.59	36.76	45.55	74.00	-28.45	Vertical	Peak
7682.70	32.29	36.12	12.94	35.02	46.33	74.00	-27.67	Vertical	Peak
1764.12	45.63	25.33	5.89	37.06	39.79	74.00	-34.21	Horizontal	Peak
3653.46	39.90	29.30	8.33	38.26	39.27	74.00	-34.73	Horizontal	Peak
4883.52	36.14	31.43	9.59	36.73	40.43	74.00	-33.57	Horizontal	Peak
7117.84	33.46	35.71	11.86	34.96	46.07	74.00	-27.93	Horizontal	Peak

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
2146.12	33.80	27.07	6.39	37.33	29.93	74.00	-44.07	Vertical	Peak
3690.85	37.05	29.30	8.37	38.25	36.47	74.00	-37.53	Vertical	Peak
5112.49	32.39	31.85	9.76	36.29	37.71	74.00	-36.29	Vertical	Peak
7009.96	32.63	35.33	11.85	34.80	45.01	74.00	-28.99	Vertical	Peak
1764.12	48.09	25.33	5.89	37.06	42.25	74.00	-31.75	Horizontal	Peak
3700.26	36.18	29.30	8.39	38.25	35.62	74.00	-38.38	Horizontal	Peak
4920.96	37.95	31.42	9.62	36.62	42.37	74.00	-31.63	Horizontal	Peak
7394.88	34.13	36.30	12.06	34.83	47.66	74.00	-26.34	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(test frequency band is 1GHz to 25GHz) 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
1768.62	35.99	25.34	5.90	37.07	30.16	74.00	-43.84	Vertical	Peak
3625.67	38.93	29.30	8.30	38.26	38.27	74.00	-35.73	Vertical	Peak
5718.40	32.80	31.69	10.46	35.54	39.41	74.00	-34.59	Vertical	Peak
7547.01	32.26	36.15	12.55	34.94	46.02	74.00	-27.98	Vertical	Peak
1676.56	35.74	25.13	5.72	36.88	29.71	74.00	-44.29	Horizontal	Peak
3634.91	37.44	29.30	8.31	38.26	36.79	74.00	-37.21	Horizontal	Peak
4846.37	37.51	31.51	9.57	36.83	41.76	74.00	-32.24	Horizontal	Peak
7245.81	31.39	36.25	11.91	35.02	44.53	74.00	-29.47	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
1782.18	34.87	25.37	5.93	37.10	29.07	74.00	-44.93	Vertical	Peak
3653.46	36.04	29.30	8.33	38.26	35.41	74.00	-38.59	Vertical	Peak
6544.35	31.11	34.09	11.26	35.35	41.11	74.00	-32.89	Vertical	Peak
7840.75	32.18	36.35	13.06	34.96	46.63	74.00	-27.37	Vertical	Peak
1805.01	35.50	25.39	5.97	37.14	29.72	74.00	-44.28	Horizontal	Peak
3672.11	35.82	29.30	8.35	38.26	35.21	74.00	-38.79	Horizontal	Peak
4871.10	36.64	31.46	9.59	36.76	40.93	74.00	-33.07	Horizontal	Peak
7264.28	32.38	36.26	11.93	35.00	45.57	74.00	-28.43	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
1764.12	45.80	25.33	5.89	37.06	39.96	74.00	-34.04	Vertical	Peak
4688.62	33.01	31.17	9.50	37.11	36.57	74.00	-37.43	Vertical	Peak
4908.44	36.45	31.41	9.61	36.66	40.81	74.00	-33.19	Vertical	Peak
7941.19	32.23	36.87	12.58	34.69	46.99	74.00	-27.01	Vertical	Peak
1545.41	34.91	25.38	5.41	36.65	29.05	74.00	-44.95	Horizontal	Peak
3662.78	35.34	29.30	8.34	38.26	34.72	74.00	-39.28	Horizontal	Peak
4895.97	36.06	31.41	9.60	36.69	40.38	74.00	-33.62	Horizontal	Peak
7376.08	31.77	36.30	12.04	34.85	45.26	74.00	-28.74	Horizontal	Peak

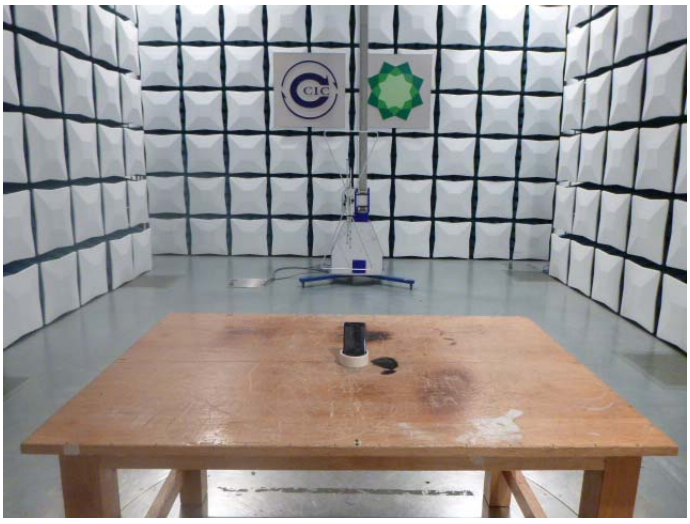
Remark:

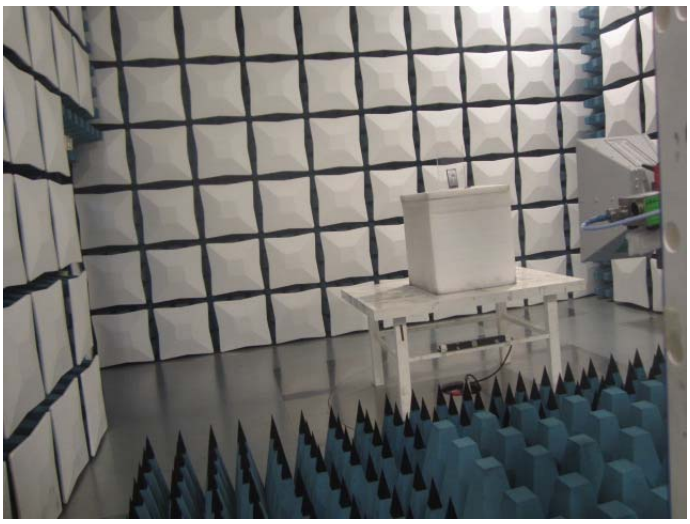
1. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

6. TEST SETUP PHOTOS

Conducted Emissions

Radiated Emissions





7. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No.: TRE1712003201

--------End of Report--------