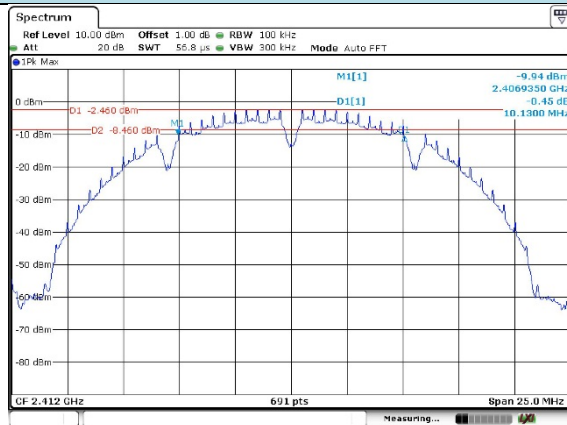
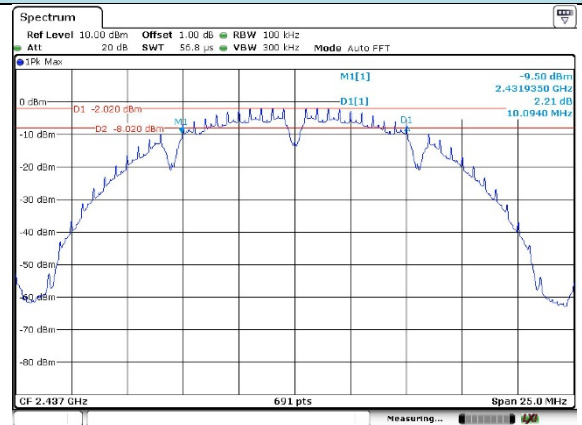


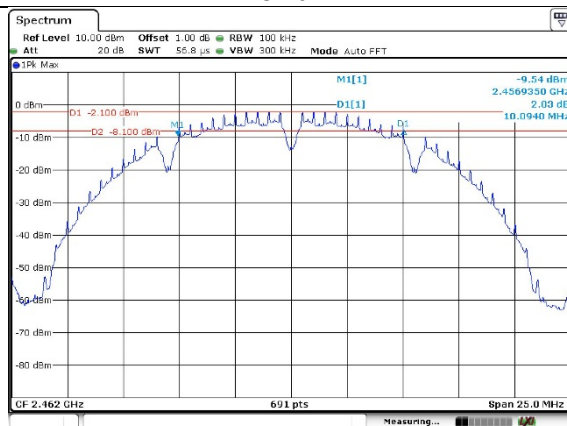
802.11b



CH01



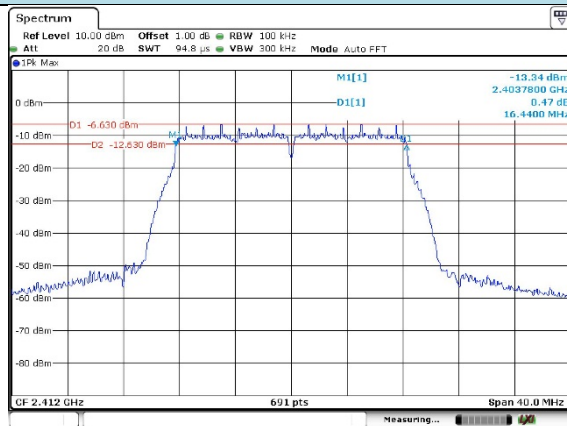
CH06



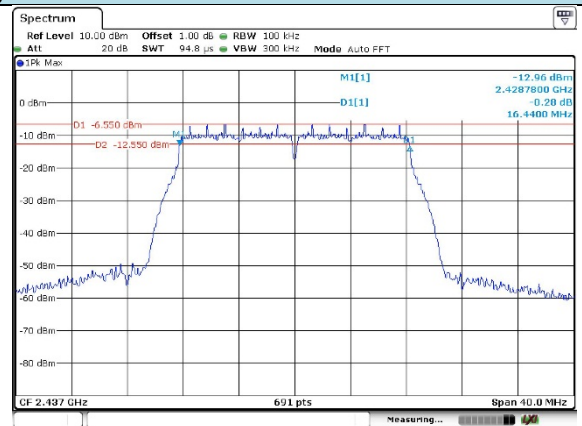
CH11

No Plot

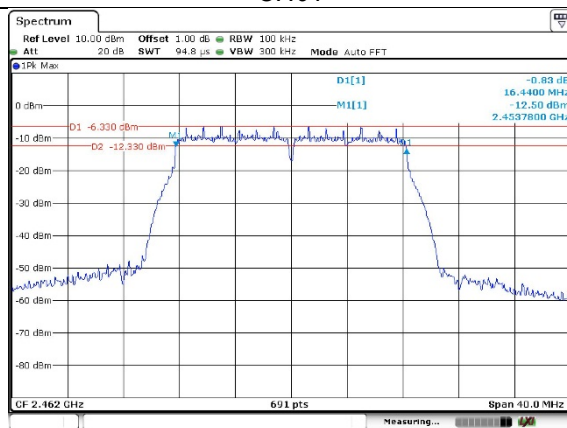
802.11g



CH01



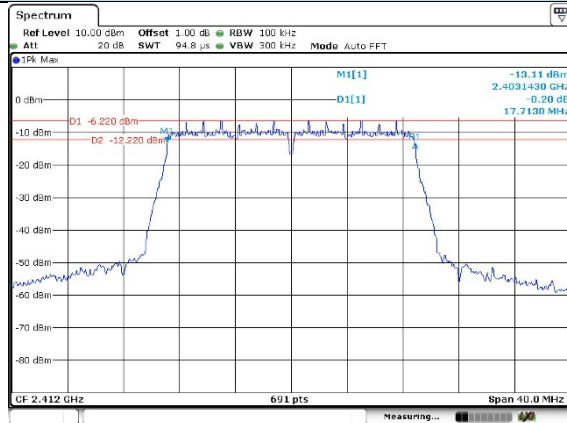
CH06



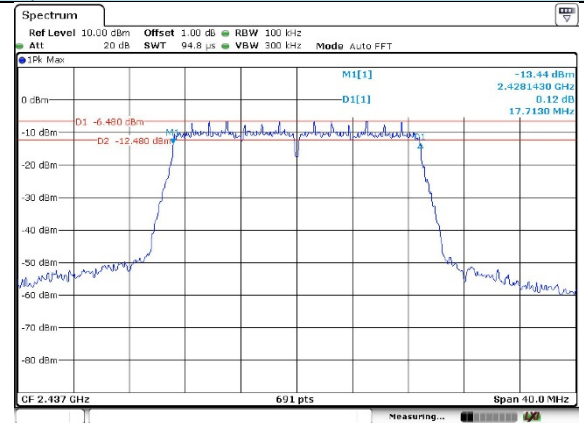
CH11

No Plot

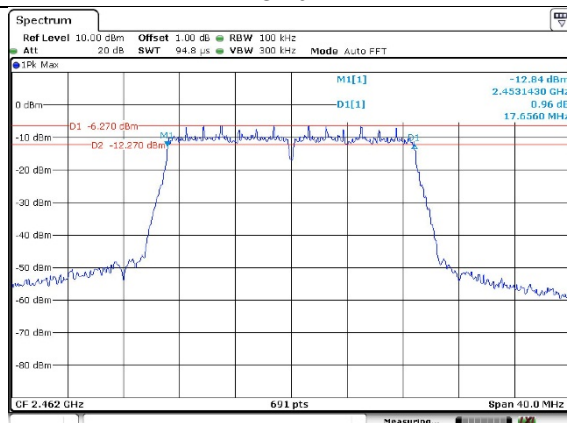
802.11n(H20)



CH01



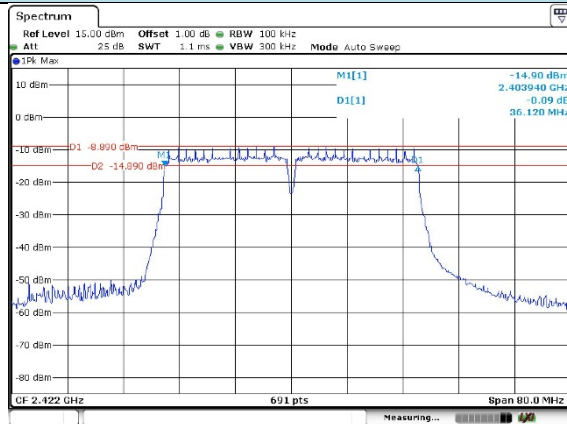
CH06



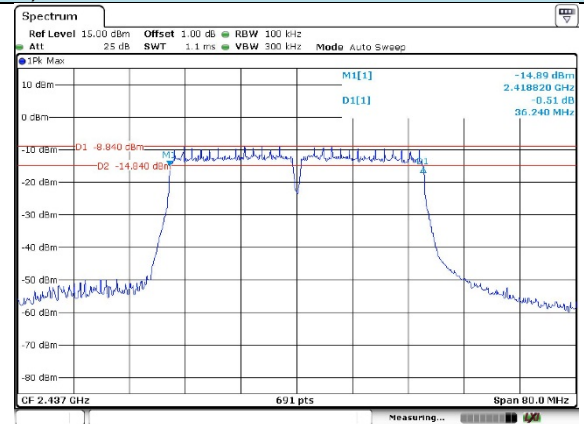
CH11

No Plot

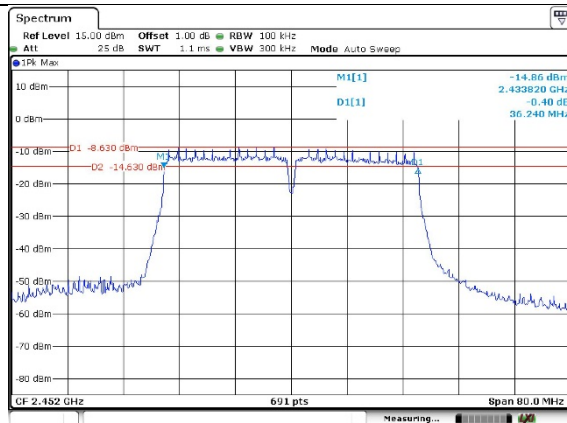
802.11n(H40)



CH03



CH06



CH09

No Plot

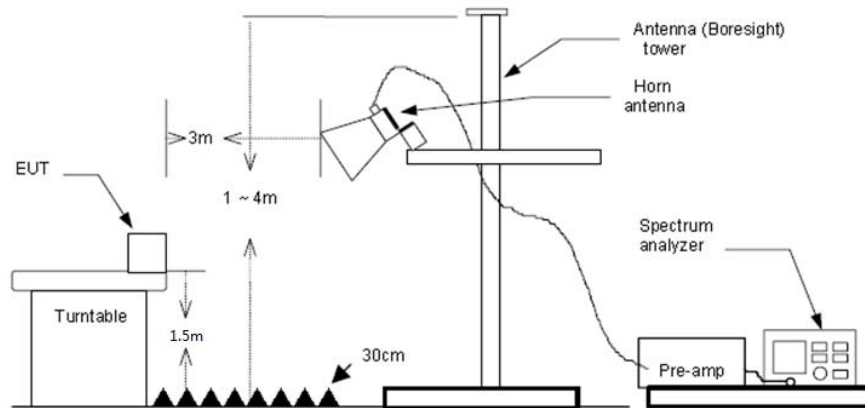
5.6. Restricted band

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

TEST CONFIGURATION



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 1.5 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. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
- 5) The receiver set as follow:
 RBW=1MHz, VBW=3MHz 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) $Final\ level = Read\ level + Antenna\ Factor + Cable\ Loss - Preamp\ Factor$

802.11b					CH01				
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
2310.00	17.73	28.05	6.62	0.00	52.40	74.00	-21.60	Vertical	Peak
2390.00	17.45	27.65	6.75	0.00	51.85	74.00	-22.15	Vertical	
2310.00	16.79	28.05	6.62	0.00	51.46	74.00	-22.54	Horizontal	
2390.00	17.92	27.65	6.75	0.00	52.32	74.00	-21.68	Horizontal	
2310.00	12.23	28.05	6.62	0.00	46.90	54.00	-7.10	Vertical	Average
2390.00	11.83	27.65	6.75	0.00	46.23	54.00	-7.77	Vertical	
2310.00	12.23	28.05	6.62	0.00	46.90	54.00	-7.10	Horizontal	
2390.00	11.83	27.65	6.75	0.00	46.23	54.00	-7.77	Horizontal	

802.11b					CH11				
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
2483.49	18.63	27.26	6.83	0.00	52.72	74.00	-21.28	Vertical	Peak
2500.00	16.60	27.20	6.84	0.00	50.64	74.00	-23.36	Vertical	
2483.49	17.61	27.26	6.83	0.00	51.70	74.00	-22.30	Horizontal	
2500.00	17.74	27.20	6.84	0.00	51.78	74.00	-22.22	Horizontal	
2483.49	11.98	27.26	6.83	0.00	46.07	54.00	-7.93	Vertical	Average
2500.00	11.91	27.20	6.84	0.00	45.95	54.00	-8.05	Vertical	
2483.49	11.98	27.26	6.83	0.00	46.07	54.00	-7.93	Horizontal	
2500.00	11.91	27.20	6.84	0.00	45.95	54.00	-8.05	Horizontal	

802.11g					CH01				
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
2310.00	17.84	28.05	6.62	0.00	52.51	74.00	-21.49	Vertical	Peak
2390.00	18.49	27.65	6.75	0.00	52.89	74.00	-21.11	Vertical	
2310.00	17.53	28.05	6.62	0.00	52.20	74.00	-21.80	Horizontal	
2390.00	17.93	27.65	6.75	0.00	52.33	74.00	-21.67	Horizontal	
2310.00	12.24	28.05	6.62	0.00	46.91	54.00	-7.09	Vertical	Average
2390.00	12.70	27.65	6.75	0.00	47.10	54.00	-6.90	Vertical	
2310.00	12.21	28.05	6.62	0.00	46.88	54.00	-7.12	Horizontal	
2390.00	12.31	27.65	6.75	0.00	46.71	54.00	-7.29	Horizontal	

802.11g					CH11				
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
2483.49	17.79	27.26	6.83	0.00	51.88	74.00	-22.12	Vertical	Peak
2500.00	17.60	27.20	6.84	0.00	51.64	74.00	-22.36	Vertical	
2483.49	17.06	27.26	6.83	0.00	51.15	74.00	-22.85	Horizontal	
2500.00	16.84	27.20	6.84	0.00	50.88	74.00	-23.12	Horizontal	
2483.49	12.37	27.26	6.83	0.00	46.46	54.00	-7.54	Vertical	Average
2500.00	11.99	27.20	6.84	0.00	46.03	54.00	-7.97	Vertical	
2483.49	12.22	27.26	6.83	0.00	46.31	54.00	-7.69	Horizontal	
2500.00	11.91	27.20	6.84	0.00	45.95	54.00	-8.05	Horizontal	

802.11n(H20)					CH01				
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
2310.00	17.55	28.05	6.62	0.00	52.22	74.00	-21.78	Vertical	Peak
2390.00	19.21	27.65	6.75	0.00	53.61	74.00	-20.39	Vertical	
2310.00	17.36	28.05	6.62	0.00	52.03	74.00	-21.97	Horizontal	
2390.00	17.76	27.65	6.75	0.00	52.16	74.00	-21.84	Horizontal	
2310.00	12.24	28.05	6.62	0.00	46.91	54.00	-7.09	Vertical	Average
2390.00	13.22	27.65	6.75	0.00	47.62	54.00	-6.38	Vertical	
2310.00	12.20	28.05	6.62	0.00	46.87	54.00	-7.13	Horizontal	
2390.00	12.47	27.65	6.75	0.00	46.87	54.00	-7.13	Horizontal	

802.11n(H20)					CH11				
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
2483.49	18.49	27.26	6.83	0.00	52.58	74.00	-21.42	Vertical	Peak
2500.00	17.03	27.20	6.84	0.00	51.07	74.00	-22.93	Vertical	
2483.49	18.75	27.26	6.83	0.00	52.84	74.00	-21.16	Horizontal	
2500.00	16.95	27.20	6.84	0.00	50.99	74.00	-23.01	Horizontal	
2483.49	12.68	27.26	6.83	0.00	46.77	54.00	-7.23	Vertical	Average
2500.00	12.00	27.20	6.84	0.00	46.04	54.00	-7.96	Vertical	
2483.49	12.69	27.26	6.83	0.00	46.78	54.00	-7.22	Horizontal	
2500.00	12.05	27.20	6.84	0.00	46.09	54.00	-7.91	Horizontal	

802.11n(H40)					CH03				
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
2310.00	17.29	28.05	6.62	0.00	51.96	74.00	-22.04	Vertical	Peak
2389.99	17.20	27.65	6.75	0.00	51.60	74.00	-22.40	Vertical	
2310.00	17.89	28.05	6.62	0.00	52.56	74.00	-21.44	Horizontal	
2389.99	18.13	27.65	6.75	0.00	52.53	74.00	-21.47	Horizontal	
2310.00	12.18	28.05	6.62	0.00	46.85	54.00	-7.15	Vertical	Average
2389.99	12.27	27.65	6.75	0.00	46.67	54.00	-7.33	Vertical	
2310.00	12.15	28.05	6.62	0.00	46.82	54.00	-7.18	Horizontal	
2389.99	13.16	27.65	6.75	0.00	47.56	54.00	-6.44	Horizontal	

802.11n(H40)					CH09				
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	19.04	27.26	6.83	0.00	53.13	74.00	-20.87	Vertical	Peak
2500.00	16.96	27.20	6.84	0.00	51.00	74.00	-23.00	Vertical	
2483.50	17.47	27.26	6.83	0.00	51.56	74.00	-22.44	Horizontal	
2500.00	16.66	27.20	6.84	0.00	50.70	74.00	-23.30	Horizontal	
2483.50	13.09	27.26	6.83	0.00	47.18	54.00	-6.82	Vertical	Average
2500.00	12.07	27.20	6.84	0.00	46.11	54.00	-7.89	Vertical	
2483.50	12.87	27.26	6.83	0.00	46.96	54.00	-7.04	Horizontal	
2500.00	11.98	27.20	6.84	0.00	46.02	54.00	-7.98	Horizontal	

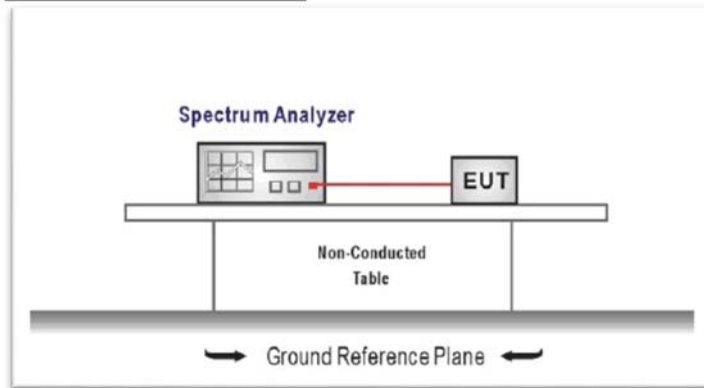
5.7. Band edge and Spurious Emission (conducted)

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (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 emissions 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 emissions relative to the limit.

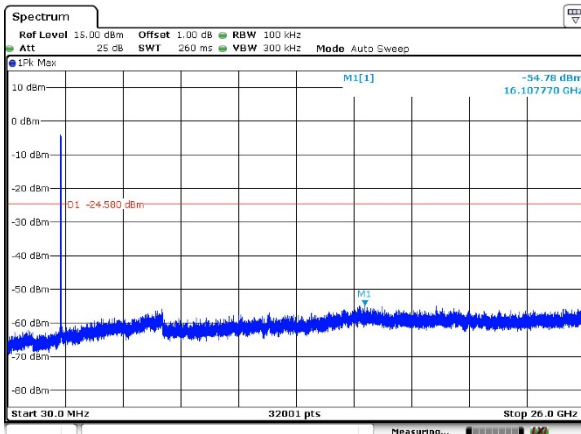
TEST MODE:

Please refer to the clause 3.3

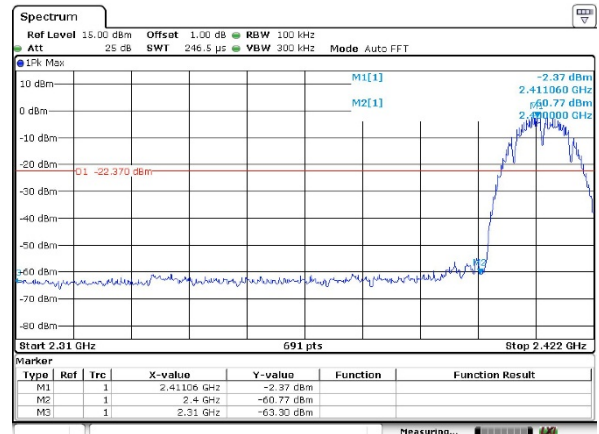
TEST RESULTS

☒ Passed ☐ Not Applicable

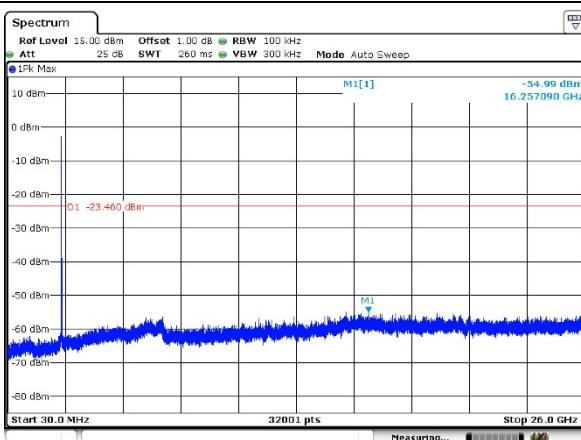
802.11b



CH01-SE

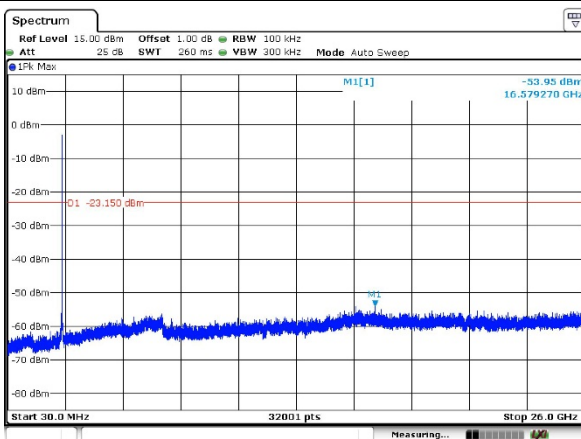


CH01-Bandedge

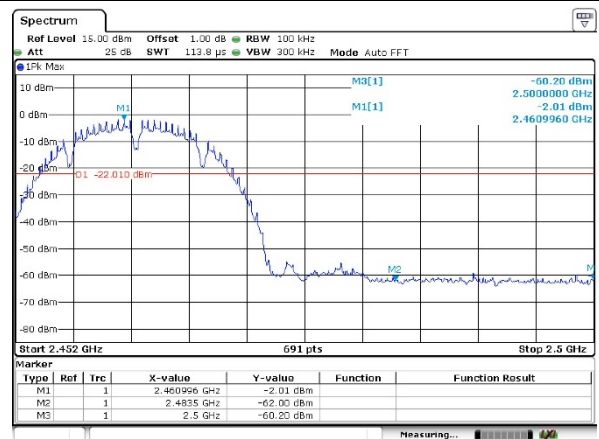


CH06-SE

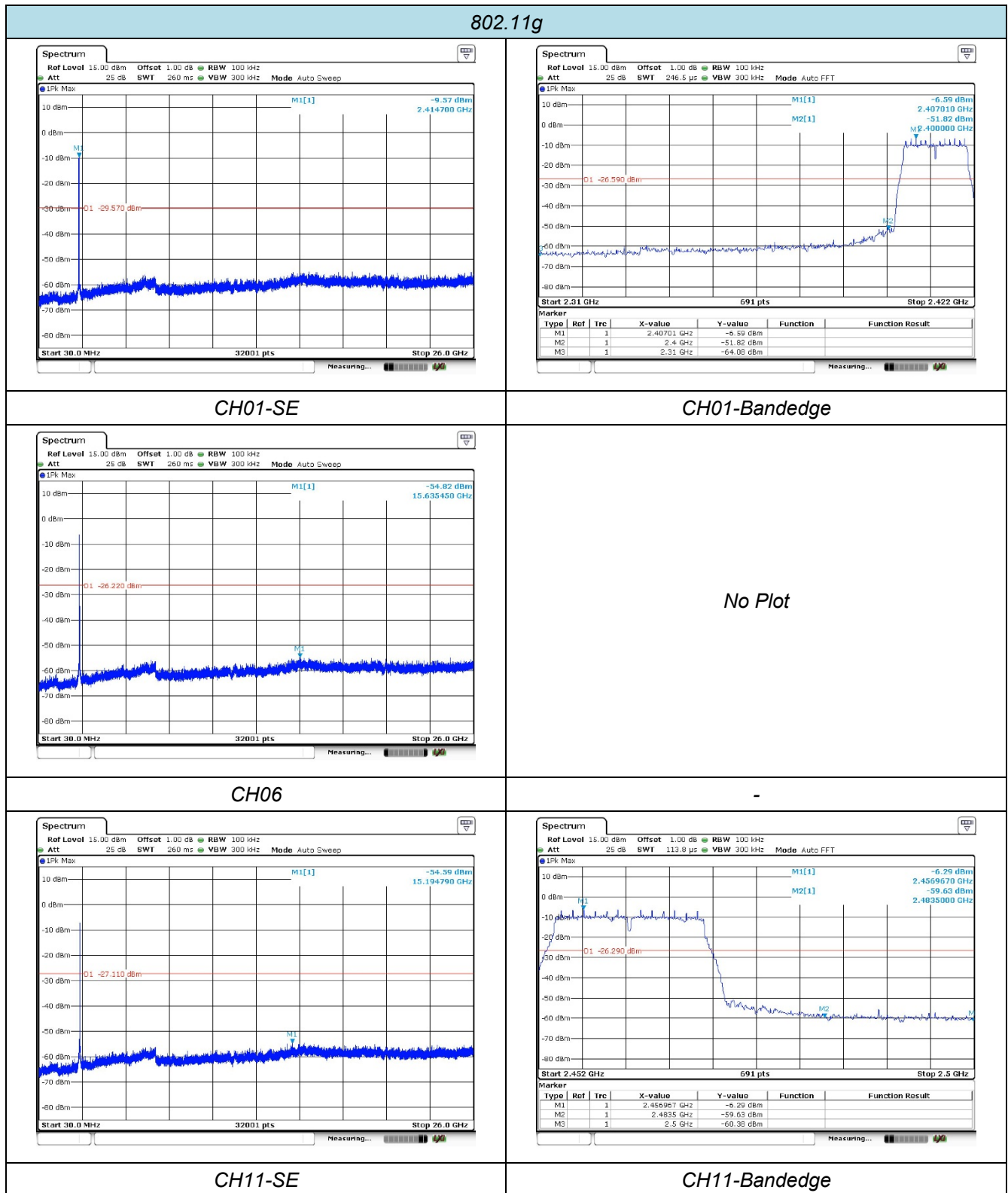
No Plot



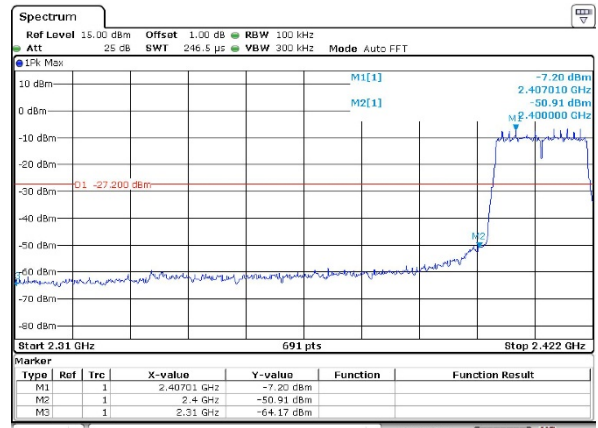
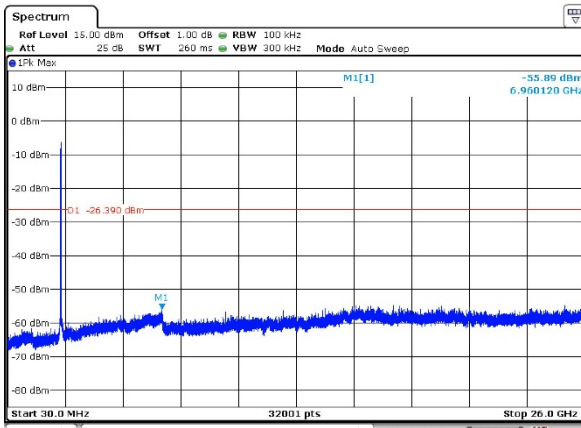
CH11-SE



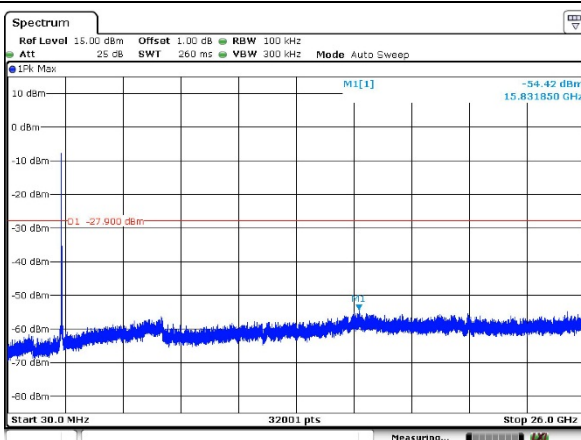
CH11-Bandedge



802.11n(H20)



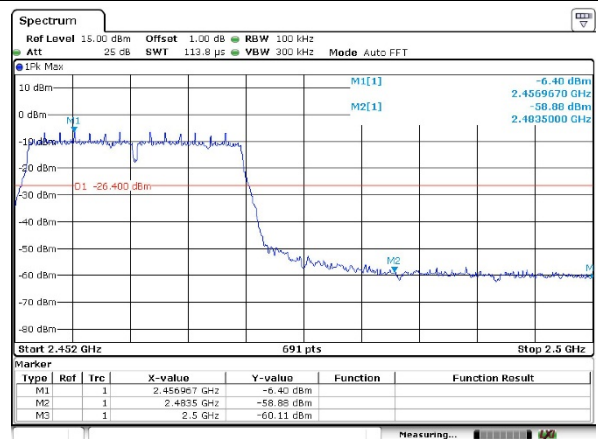
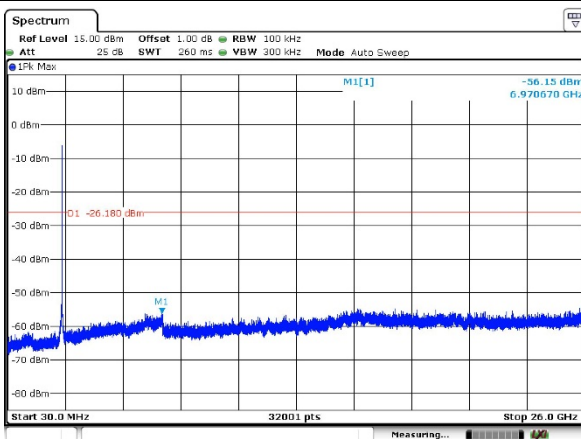
CH01-SE



CH01-Bandedge

No Plot

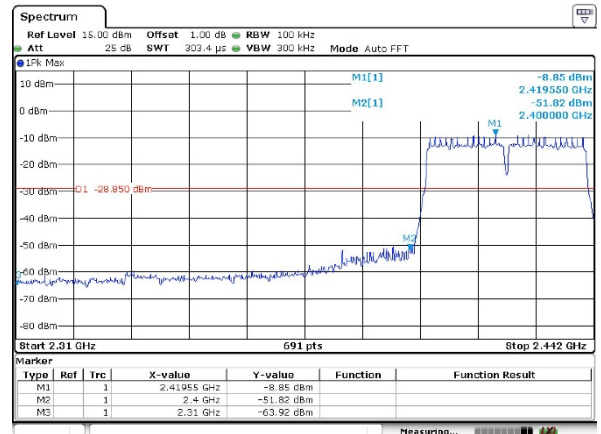
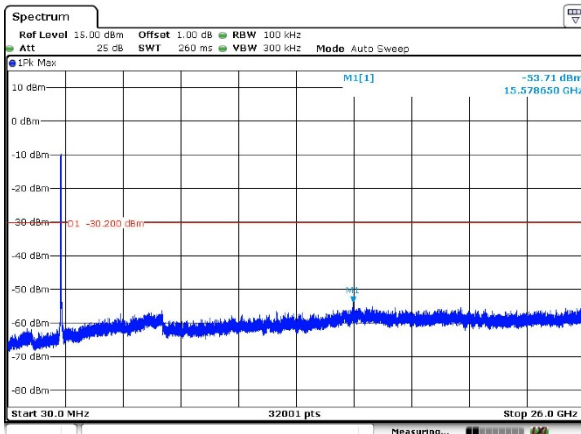
CH06



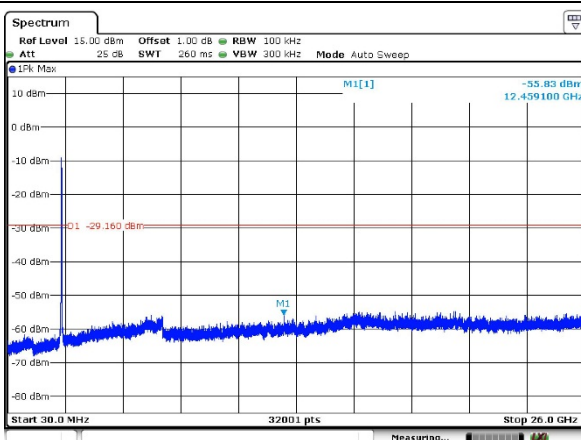
CH11-SE

CH11-Bandedge

802.11n(H40)



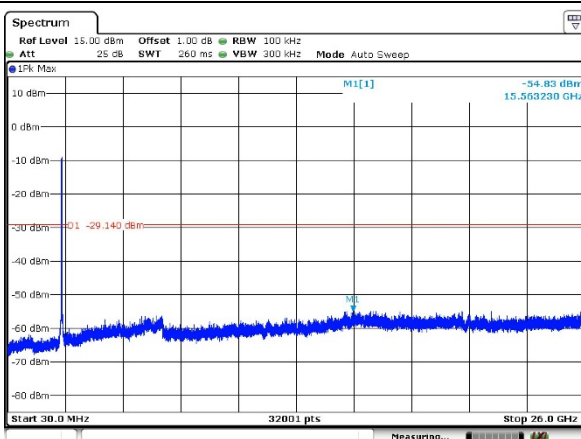
CH03-SE



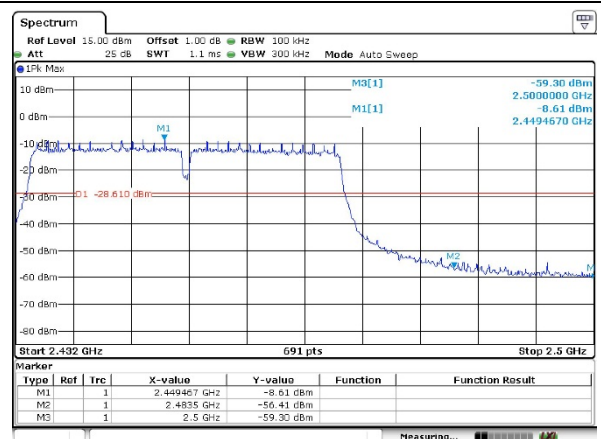
CH03-Bandedge

No Plot

CH06



-



CH09-SE

CH09-Bandedge

5.8. Spurious Emission (radiated)

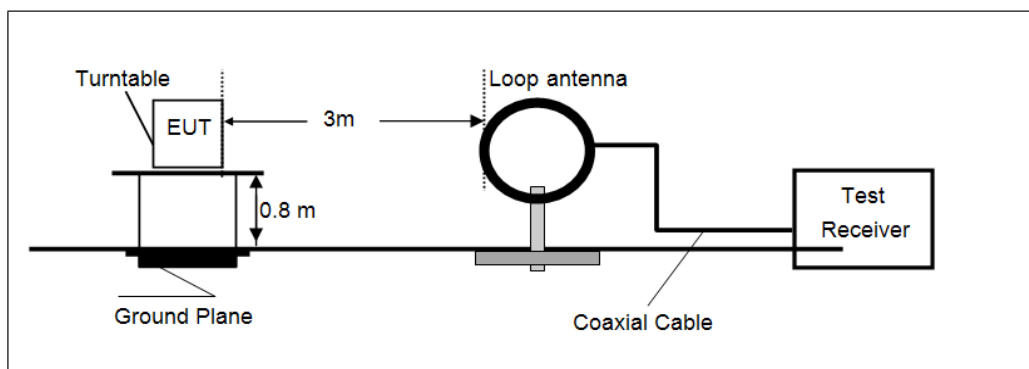
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

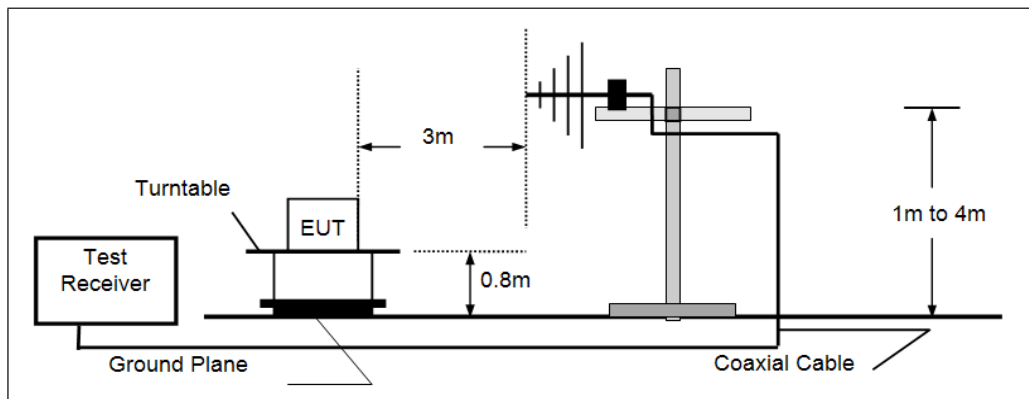
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

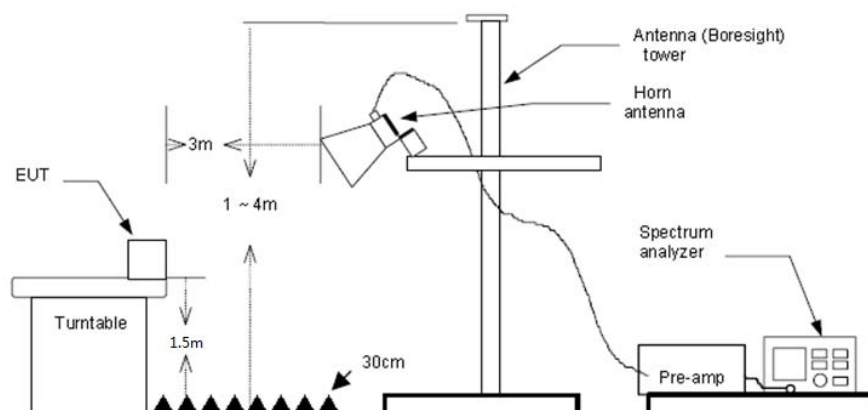
➤ 9kHz ~30MHz



➤ 30MHz ~ 1GHz



➤ Above 1GHz



TEST PROCEDURE

1. The EUT was 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 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 shown 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.

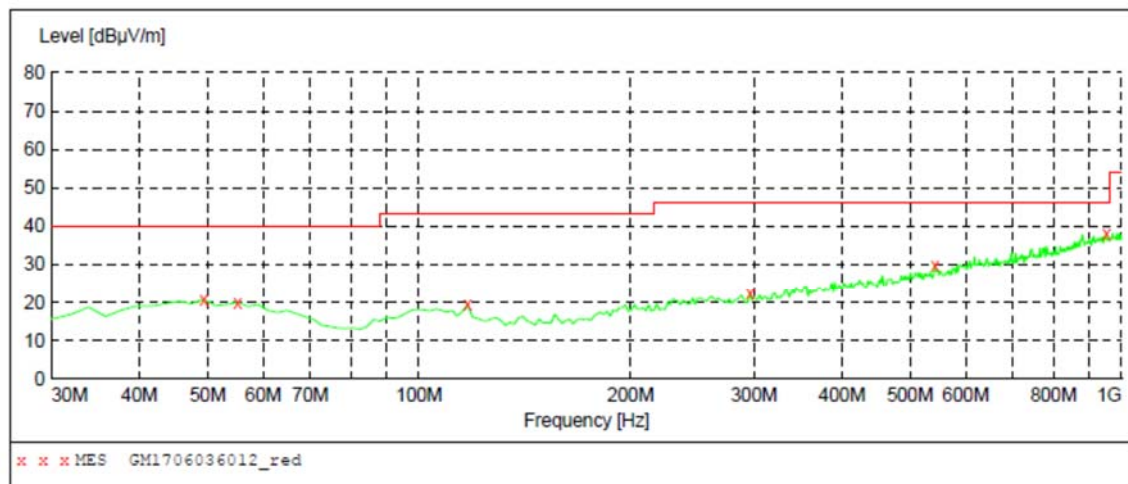
➤ **30MHz ~1000MHz**

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

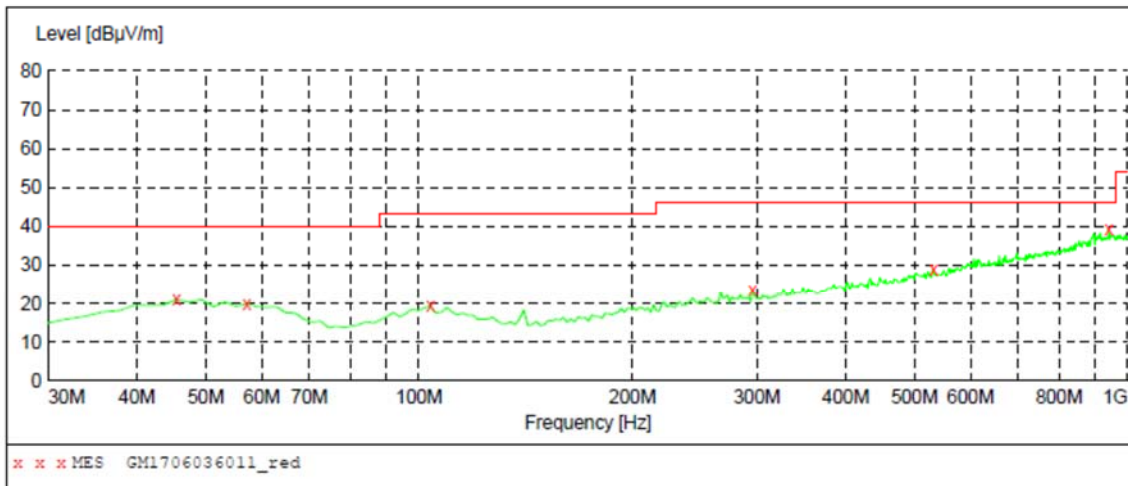
**MEASUREMENT RESULT: "GM1706036012_red"**

6/3/2017 10:00AM

Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
49.400000	20.80	-8.7	40.0	19.2	QP	100.0	321.00	VERTICAL
55.220000	20.00	-9.2	40.0	20.0	QP	100.0	80.00	VERTICAL
117.300000	19.30	-11.9	43.5	24.2	QP	100.0	0.00	VERTICAL
295.780000	22.50	-7.3	46.0	23.5	QP	100.0	353.00	VERTICAL
542.160000	30.00	-0.9	46.0	16.0	QP	100.0	213.00	VERTICAL
951.500000	37.90	7.3	46.0	8.1	QP	100.0	0.00	VERTICAL

Polarization:

Horizontal

**MEASUREMENT RESULT: "GM1706036011_red"**

6/3/2017 9:58AM

Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
45.520000	21.10	-8.8	40.0	18.9	QP	300.0	273.00	HORIZONTAL
57.160000	19.90	-9.4	40.0	20.1	QP	100.0	63.00	HORIZONTAL
103.720000	19.30	-10.5	43.5	24.2	QP	300.0	0.00	HORIZONTAL
295.780000	23.70	-7.3	46.0	22.3	QP	100.0	0.00	HORIZONTAL
532.460000	28.90	-1.1	46.0	17.1	QP	300.0	360.00	HORIZONTAL
939.860000	39.30	7.2	46.0	6.7	QP	300.0	85.00	HORIZONTAL

➤ Above 1 GHz

802.11b					CH01				
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
1360.71	35.94	26.02	4.93	36.48	30.41	74.00	-43.59	Vertical	Peak
3507.65	36.43	29.02	8.13	38.40	35.18	74.00	-38.82	Vertical	
5217.66	33.96	31.46	9.86	36.25	39.03	74.00	-34.97	Vertical	
7063.69	32.39	35.49	11.85	34.88	44.85	74.00	-29.15	Vertical	
1198.10	37.67	26.29	4.66	36.57	32.05	74.00	-41.95	Horizontal	
1768.62	37.05	25.34	5.90	37.07	31.22	74.00	-42.78	Horizontal	
3738.13	35.47	29.42	8.43	38.24	35.08	74.00	-38.92	Horizontal	
6478.05	32.54	33.85	11.13	35.33	42.19	74.00	-31.81	Horizontal	

802.11b					CH06				
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
1750.70	36.15	25.30	5.86	37.04	30.27	74.00	-43.73	Vertical	Peak
3096.33	36.88	28.79	7.60	38.22	35.05	74.00	-38.95	Vertical	
5747.59	35.19	31.84	10.51	35.46	42.08	74.00	-31.92	Vertical	
7027.82	32.44	35.38	11.85	34.83	44.84	74.00	-29.16	Vertical	
1244.73	36.43	26.25	4.74	36.55	30.87	74.00	-43.13	Horizontal	
1773.13	36.02	25.35	5.91	37.08	30.20	74.00	-43.80	Horizontal	
4676.70	34.72	31.13	9.49	37.13	38.21	74.00	-35.79	Horizontal	
7154.17	32.55	35.93	11.86	35.01	45.33	74.00	-28.67	Horizontal	

802.11b					CH11				
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
1715.41	36.55	25.23	5.80	36.96	30.62	74.00	-43.38	Vertical	Peak
3738.13	36.62	29.42	8.43	38.24	36.23	74.00	-37.77	Vertical	
4920.96	35.34	31.42	9.62	36.62	39.76	74.00	-34.24	Vertical	
8002.06	33.46	37.10	12.30	34.53	48.33	74.00	-25.67	Vertical	
1336.68	36.64	26.09	4.89	36.49	31.13	74.00	-42.87	Horizontal	
2218.32	34.97	27.61	6.47	37.39	31.66	74.00	-42.34	Horizontal	
4559.15	34.59	30.82	9.39	37.30	37.50	74.00	-36.50	Horizontal	
8002.06	33.23	37.10	12.30	34.53	48.10	74.00	-25.90	Horizontal	

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 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)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1395.80	35.33	25.91	4.99	36.46	29.77	74.00	-44.23	Vertical	Peak
2070.98	34.59	26.59	6.33	37.31	30.20	74.00	-43.80	Vertical	
5151.68	33.79	31.69	9.79	36.25	39.02	74.00	-34.98	Vertical	
7172.41	31.09	36.04	11.86	35.04	43.95	74.00	-30.05	Vertical	
1737.38	36.38	25.28	5.84	37.01	30.49	74.00	-43.51	Horizontal	
3128.01	37.02	28.80	7.63	38.21	35.24	74.00	-38.76	Horizontal	
4641.12	35.33	31.02	9.48	37.17	38.66	74.00	-35.34	Horizontal	
7172.41	32.55	36.04	11.86	35.04	45.41	74.00	-28.59	Horizontal	

802.11g					CH06				
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
1364.18	36.31	26.00	4.94	36.48	30.77	74.00	-43.23	Vertical	Peak
2229.65	36.56	27.68	6.49	37.42	33.31	74.00	-40.69	Vertical	
4086.46	36.56	29.87	8.85	37.91	37.37	74.00	-36.63	Vertical	
6494.56	33.00	33.96	11.16	35.33	42.79	74.00	-31.21	Vertical	
1192.01	36.29	26.24	4.64	36.57	30.60	74.00	-43.40	Horizontal	
1621.99	36.15	24.97	5.61	36.77	29.96	74.00	-44.04	Horizontal	
4490.05	35.00	30.68	9.28	37.41	37.55	74.00	-36.45	Horizontal	
6527.71	33.27	34.06	11.23	35.34	43.22	74.00	-30.78	Horizontal	

802.11g					CH11				
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
1750.70	35.56	25.30	5.86	37.04	29.68	74.00	-44.32	Vertical	Peak
4045.06	36.04	29.79	8.82	38.01	36.64	74.00	-37.36	Vertical	
4858.72	33.76	31.48	9.58	36.80	38.02	74.00	-35.98	Vertical	
7981.72	33.00	37.03	12.39	34.58	47.84	74.00	-26.16	Vertical	
1392.25	34.99	25.92	4.99	36.46	29.44	74.00	-44.56	Horizontal	
1856.26	35.80	25.34	6.05	37.19	30.00	74.00	-44.00	Horizontal	
3570.71	36.12	29.21	8.22	38.31	35.24	74.00	-38.76	Horizontal	
7981.72	33.30	37.03	12.39	34.58	48.14	74.00	-25.86	Horizontal	

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 are very lower than the limit and not show in test report.

802.11n(H20)					CH01				
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
1724.17	36.35	25.25	5.81	36.98	30.43	74.00	-43.57	Vertical	Peak
3192.37	36.54	28.80	7.71	38.20	34.85	74.00	-39.15	Vertical	
4288.96	34.94	30.18	9.02	37.61	36.53	74.00	-37.47	Vertical	
6577.75	34.33	34.16	11.32	35.35	44.46	74.00	-29.54	Vertical	
1755.16	36.01	25.31	5.87	37.05	30.14	74.00	-43.86	Horizontal	
3747.66	35.42	29.44	8.44	38.24	35.06	74.00	-38.94	Horizontal	
5732.97	33.90	31.77	10.48	35.50	40.65	74.00	-33.35	Horizontal	
7489.60	33.07	36.12	12.36	34.89	46.66	74.00	-27.34	Horizontal	

802.11n(H20)					CH06				
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
1764.12	34.91	25.33	5.89	37.06	29.07	74.00	-44.93	Vertical	Peak
3168.08	37.21	28.80	7.68	38.20	35.49	74.00	-38.51	Vertical	
4570.77	35.40	30.84	9.41	37.28	38.37	74.00	-35.63	Vertical	
7981.72	32.55	37.03	12.39	34.58	47.39	74.00	-26.61	Vertical	
1693.72	35.77	25.18	5.75	36.92	29.78	74.00	-44.22	Horizontal	
3128.01	36.79	28.80	7.63	38.21	35.01	74.00	-38.99	Horizontal	
5138.58	33.51	31.74	9.78	36.26	38.77	74.00	-35.23	Horizontal	
7376.08	33.20	36.30	12.04	34.85	46.69	74.00	-27.31	Horizontal	

802.11n(H20)					CH11				
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
1791.27	35.08	25.38	5.94	37.12	29.28	74.00	-44.72	Vertical	Peak
4055.37	36.15	29.81	8.82	37.98	36.80	74.00	-37.20	Vertical	
5448.41	33.93	31.69	10.16	36.57	39.21	74.00	-34.79	Vertical	
8002.06	32.52	37.10	12.30	34.53	47.39	74.00	-26.61	Vertical	
1737.38	34.63	25.28	5.84	37.01	28.74	74.00	-45.26	Horizontal	
3963.52	36.13	29.70	8.73	38.13	36.43	74.00	-37.57	Horizontal	
5776.92	32.53	31.99	10.55	35.38	39.69	74.00	-34.31	Horizontal	
8571.38	33.52	37.19	12.88	34.48	49.11	74.00	-24.89	Horizontal	

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 are very lower than the limit and not show in test report.

802.11n(H40)					CH03				
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
1663.80	35.57	25.09	5.69	36.85	29.50	74.00	-44.50	Vertical	Peak
3200.50	36.52	28.80	7.72	38.20	34.84	74.00	-39.16	Vertical	
5047.83	33.19	31.69	9.71	36.35	38.24	74.00	-35.76	Vertical	
7063.69	31.38	35.49	11.85	34.88	43.84	74.00	-30.16	Vertical	
1621.99	35.34	24.97	5.61	36.77	29.15	74.00	-44.85	Horizontal	
3805.33	35.34	29.61	8.51	38.23	35.23	74.00	-38.77	Horizontal	
4310.85	36.63	30.23	9.05	37.60	38.31	74.00	-35.69	Horizontal	
7027.82	32.37	35.38	11.85	34.83	44.77	74.00	-29.23	Horizontal	

802.11n(H40)					CH06				
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
1388.71	35.82	25.93	4.98	36.47	30.26	74.00	-43.74	Vertical	Peak
3216.84	36.10	28.70	7.74	38.23	34.31	74.00	-39.69	Vertical	
4785.08	34.27	31.54	9.53	36.98	38.36	74.00	-35.64	Vertical	
8063.40	32.85	37.04	12.45	34.54	47.80	74.00	-26.20	Vertical	
1276.82	35.62	26.22	4.79	36.53	30.10	74.00	-43.90	Horizontal	
1755.16	34.73	25.31	5.87	37.05	28.86	74.00	-45.14	Horizontal	
4547.56	34.78	30.80	9.37	37.32	37.63	74.00	-36.37	Horizontal	
7547.01	33.21	36.15	12.55	34.94	46.97	74.00	-27.03	Horizontal	

802.11n(H40)					CH09				
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
1435.43	34.49	25.86	5.10	36.51	28.94	74.00	-45.06	Vertical	Peak
2018.93	33.00	26.38	6.29	37.30	28.37	74.00	-45.63	Vertical	
3472.12	36.56	28.78	8.07	38.45	34.96	74.00	-39.04	Vertical	
5086.52	33.09	31.85	9.74	36.31	38.37	74.00	-35.63	Vertical	
1424.51	35.98	25.87	5.07	36.49	30.43	74.00	-43.57	Horizontal	
2097.51	34.87	26.69	6.35	37.32	30.59	74.00	-43.41	Horizontal	
3376.24	36.75	28.20	7.93	38.51	34.37	74.00	-39.63	Horizontal	
5022.19	34.11	31.59	9.69	36.38	39.01	74.00	-34.99	Horizontal	

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 are very lower than the limit and not show in test report.

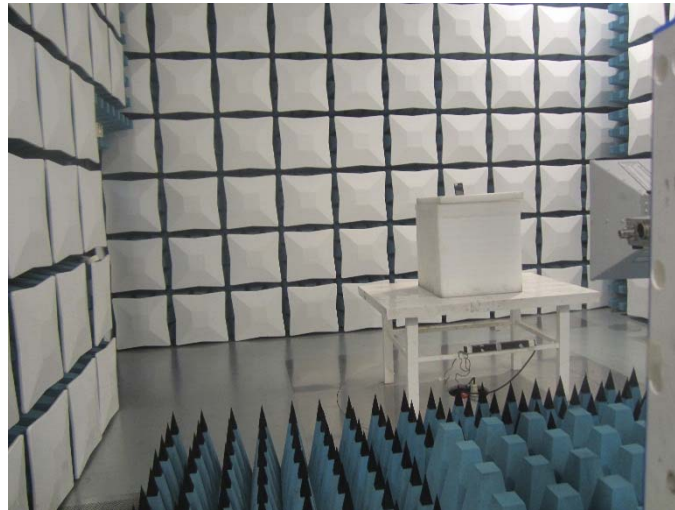
6. Test Setup Photos of the EUT

Conducted Emission



Radiated Emission





7. External and Internal Photos of the EUT

Reference to Test Report No.: TRE1705024001.

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