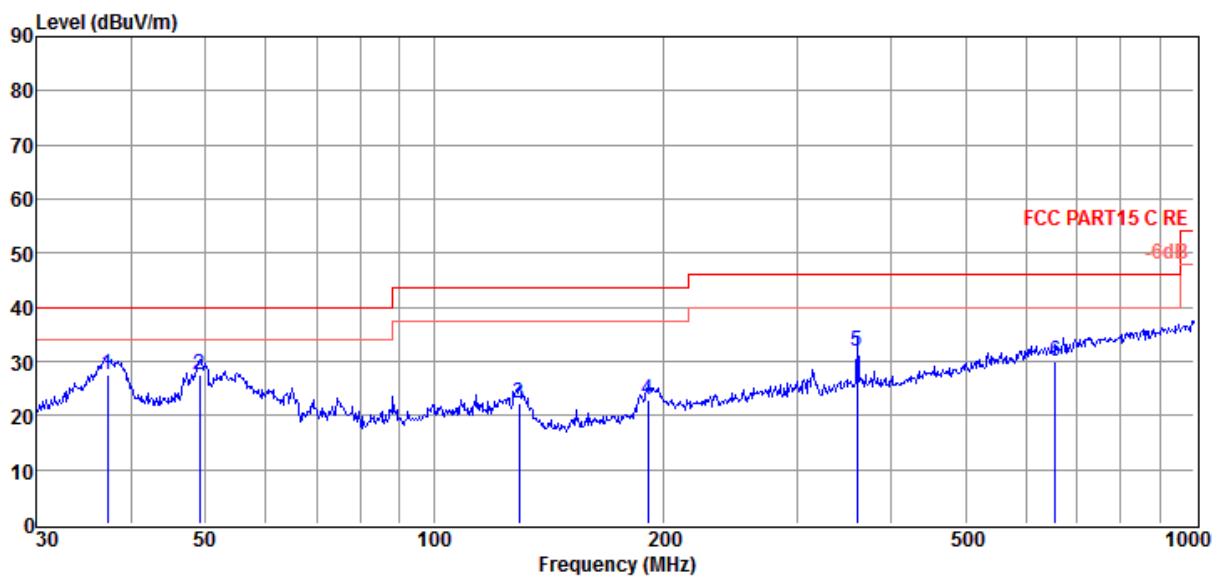


Radiated Emission test (below 1GHz) TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2# D:\2020 RE2# Report Data\Q20110315-1E M6\FCC BELOW1G.EM6
Test Date : 2020-12-17 **Tested By** : Kennys
EUT : M6 Mesh Wi-Fi Router **Model Number** : M6
Power Supply : AC 120V 60HZ **Test Mode** : Tx mode
Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa **Antenna/Distance** : 2019 VULB 9163 2#/3m/VERTICAL
Memo :

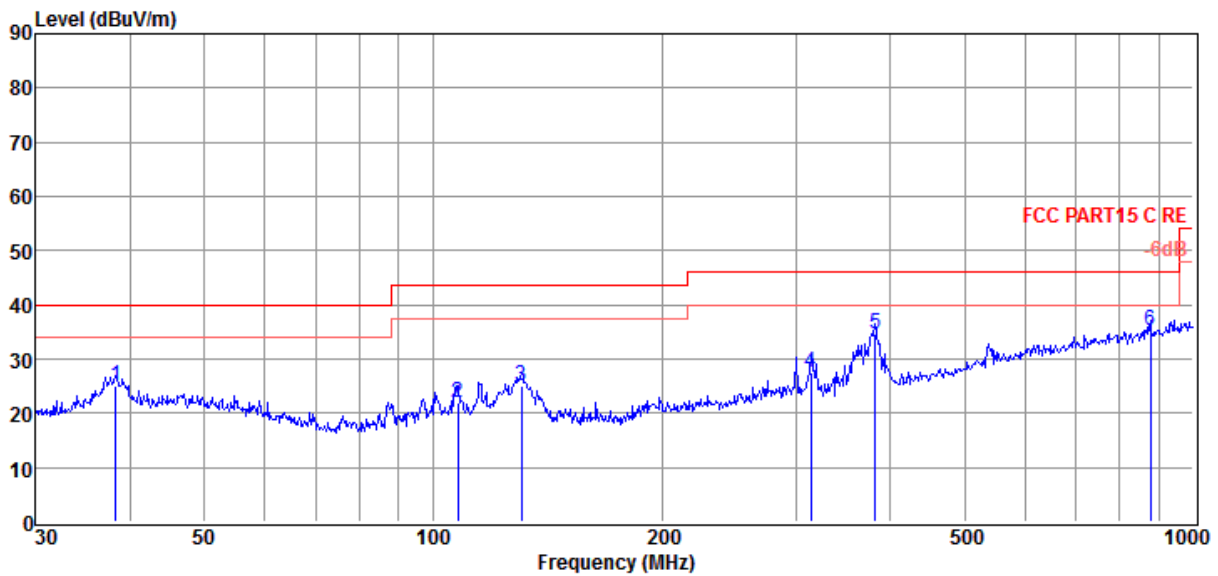


Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	37.16	9.80	13.91	3.68	27.39	40.00	-12.61	QP	VERTICAL
2	49.19	10.29	13.39	3.77	27.45	40.00	-12.55	QP	VERTICAL
3	129.47	9.01	8.87	4.42	22.30	43.50	-21.20	QP	VERTICAL
4	191.07	6.96	11.04	4.79	22.79	43.50	-20.71	QP	VERTICAL
5	360.45	11.15	14.96	5.66	31.77	46.00	-14.23	QP	VERTICAL
6	656.53	3.42	19.65	7.01	30.08	46.00	-15.92	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2# **D:\2020 RE2# Report Data\Q20110315-1E M6\FCC BELOW1G.EM6**
Test Date : 2020-12-17 **Tested By** : Kennys
EUT : M6 Mesh Wi-Fi Router **Model Number** : M6
Power Supply : AC 120V 60HZ **Test Mode** : Tx mode
Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa **Antenna/Distance** : 2019 VULB 9163 2#/3m/HORIZONTAL
Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	38.21	7.11	14.13	3.69	24.93	40.00	-15.07	QP	HORIZONTAL
2	107.89	6.15	11.62	4.27	22.04	43.50	-21.46	QP	HORIZONTAL
3	130.84	12.01	8.76	4.43	25.20	43.50	-18.30	QP	HORIZONTAL
4	314.38	7.99	14.24	5.44	27.67	46.00	-18.33	QP	HORIZONTAL
5	381.25	13.59	15.25	5.75	34.59	46.00	-11.41	QP	HORIZONTAL
6	878.32	5.44	21.91	7.84	35.19	46.00	-10.81	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Radiated Emission test (above 1GHz)

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	PRM Factor(dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector type	Polarization
11n HT20 CH1									
4825.00	45.75	32.26	43.48	6.17	40.70	74.00	-33.30	Peak	HORIZONTAL
8004.00	46.06	38.00	42.80	8.69	49.95	74.00	-24.05	Peak	HORIZONTAL
10231.00	45.58	39.82	42.39	9.36	52.37	74.00	-21.63	Peak	HORIZONTAL
11591.00	45.90	39.59	42.32	10.04	53.21	74.00	-20.79	Peak	HORIZONTAL
12645.00	45.39	38.89	41.62	10.64	53.30	74.00	-20.70	Peak	HORIZONTAL
15824.00	43.30	38.61	40.12	11.54	53.33	74.00	-20.67	Peak	HORIZONTAL
4825.00	46.22	32.26	43.48	6.17	41.17	74.00	-32.83	Peak	VERTICAL
7239.00	46.90	37.14	42.90	7.83	48.97	74.00	-25.03	Peak	VERTICAL
9636.00	47.07	39.21	42.47	9.10	52.91	74.00	-21.09	Peak	VERTICAL
11591.00	46.10	39.59	42.32	10.04	53.41	74.00	-20.59	Peak	VERTICAL
12679.00	45.20	38.96	41.59	10.65	53.22	74.00	-20.78	Peak	VERTICAL
15620.00	43.17	38.86	40.14	11.57	53.46	74.00	-20.54	Peak	VERTICAL
11n HT20 CH6									
5539.00	47.76	32.74	43.24	6.65	43.91	74.00	-30.09	Peak	HORIZONTAL
7171.00	45.18	37.10	42.91	7.75	47.12	74.00	-26.88	Peak	HORIZONTAL
8446.00	45.02	37.73	42.70	8.65	48.70	74.00	-25.30	Peak	HORIZONTAL
10469.00	45.03	40.16	42.37	9.34	52.16	74.00	-21.84	Peak	HORIZONTAL
12696.00	45.17	38.99	41.57	10.65	53.24	74.00	-20.76	Peak	HORIZONTAL
15671.00	42.54	38.79	40.13	11.56	52.76	74.00	-21.24	Peak	HORIZONTAL
4876.00	46.24	32.33	43.46	6.20	41.31	74.00	-32.69	Peak	VERTICAL
6984.00	45.44	36.95	42.94	7.55	47.00	74.00	-27.00	Peak	VERTICAL
9636.00	45.05	39.21	42.47	9.10	50.89	74.00	-23.11	Peak	VERTICAL
11540.00	45.91	39.65	42.32	9.98	53.22	74.00	-20.78	Peak	VERTICAL
12866.00	45.17	39.33	41.40	10.67	53.77	74.00	-20.23	Peak	VERTICAL
15314.00	42.19	39.37	40.17	11.61	53.00	74.00	-21.00	Peak	VERTICAL
11n HT20 CH11									
4944.00	47.91	32.42	43.43	6.24	43.14	74.00	-30.86	Peak	HORIZONTAL
6491.00	45.60	35.26	43.02	7.26	45.10	74.00	-28.90	Peak	HORIZONTAL
7851.00	45.94	37.79	42.82	8.52	49.43	74.00	-24.57	Peak	HORIZONTAL
10231.00	45.00	39.82	42.39	9.36	51.79	74.00	-22.21	Peak	HORIZONTAL
11829.00	45.46	39.31	42.31	10.34	52.80	74.00	-21.20	Peak	HORIZONTAL
15841.00	43.64	38.59	40.11	11.54	53.66	74.00	-20.34	Peak	HORIZONTAL
4366.00	47.32	31.48	43.65	5.90	41.05	74.00	-32.95	Peak	VERTICAL
7375.00	45.86	37.22	42.88	7.98	48.18	74.00	-25.82	Peak	VERTICAL
9534.00	44.76	39.13	42.49	9.02	50.42	74.00	-23.58	Peak	VERTICAL
10911.00	44.67	40.36	42.35	9.31	51.99	74.00	-22.01	Peak	VERTICAL
12645.00	44.40	38.89	41.62	10.64	52.31	74.00	-21.69	Peak	VERTICAL
15739.00	43.31	38.71	40.12	11.55	53.45	74.00	-20.55	Peak	VERTICAL

Note: 1.30MHz~25GHz: (Scan with 11b mode ANT 1 and ANT 2, 11g mode ANT 1 and ANT 2, 11n HT20 MIMO mode, 11n HT40 MIMO mode, the worst case is 11n HT20 MIMO mode)

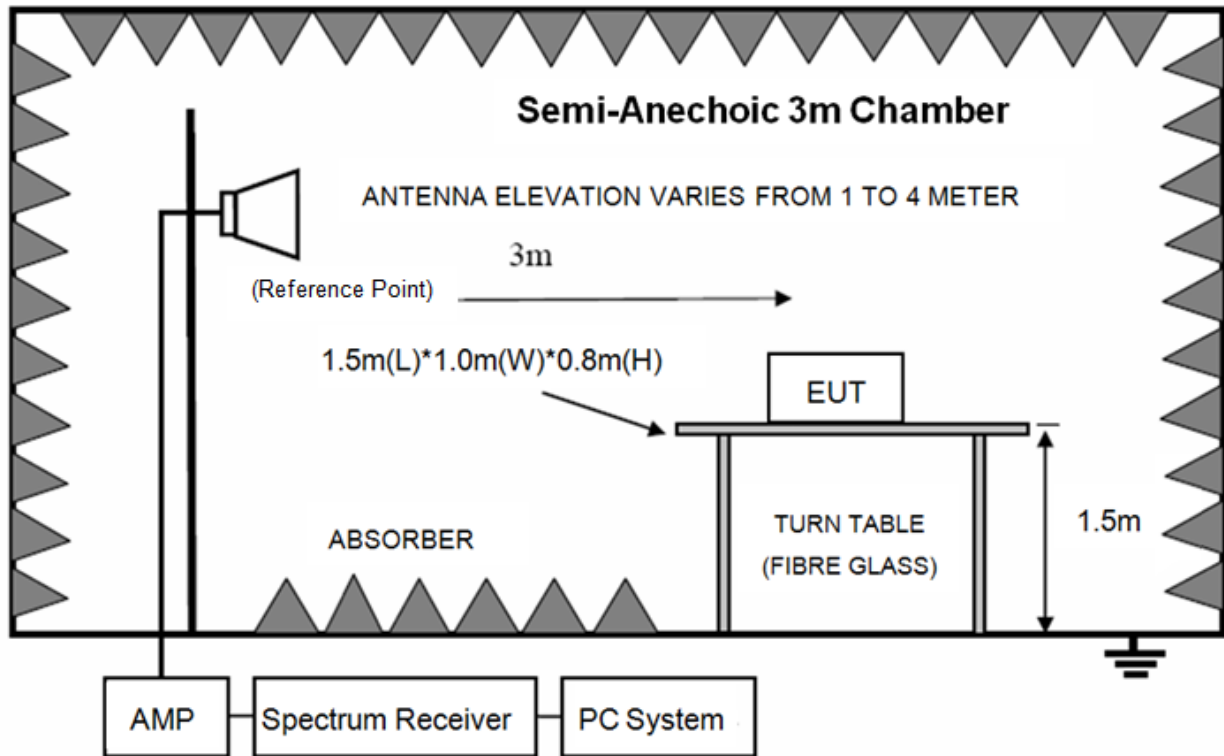
2. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. For emissions above 1GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

10. Radiated Band Edge Compliance

10.1. Block diagram of test setup



10.2. Limit

All restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400 MHz to 2483.5 MHz shall be at least 20dB below the fundamental emissions or comply with RSS-Gen Issue 3 clause 7.2.5 (Same as FCC 15.209) limits.

10.3. Test procedure

Same with clause 8.3 except change investigated frequency range from 2310 MHz to 2430 MHz and 2445 MHz to 2500 MHz, 2310 MHz to 2450 MHz and 2425 MHz to 2500MHz.

Remark: All restriction band have been tested, and shown in report.

10.4. Test result

Pass. (See below detailed test result)

Note: All mode was test and record this report.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

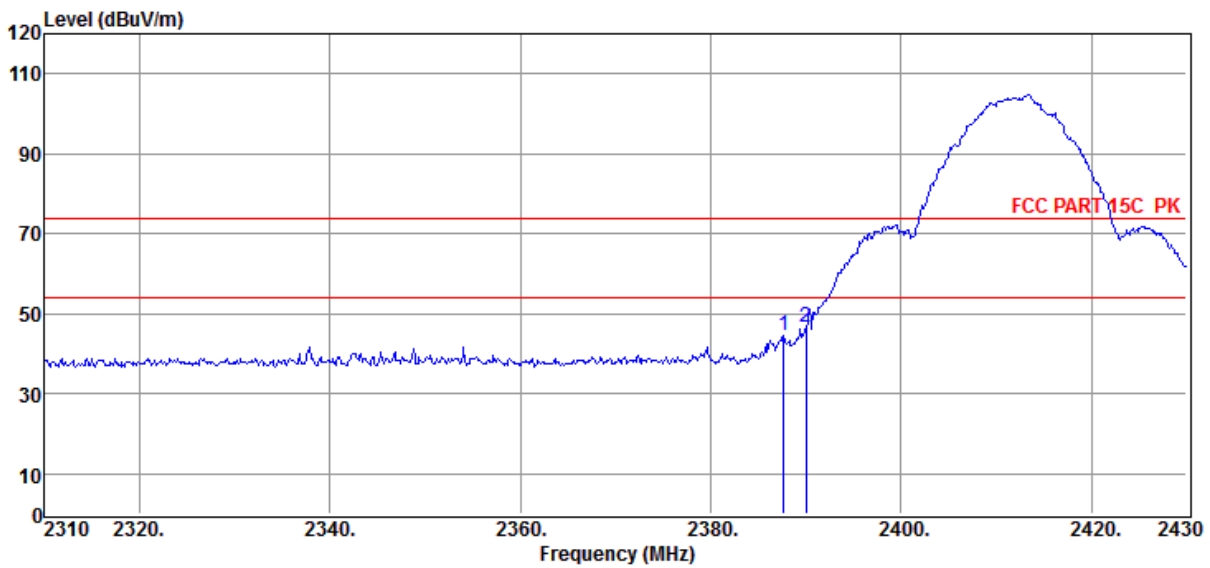
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11B 2412 ANT1



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2387.64	56.31	27.48	43.20	4.03	44.62	74.00	-29.38	Peak	HORIZONTAL
2	2390.00	58.20	27.48	43.21	4.03	46.50	74.00	-27.50	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

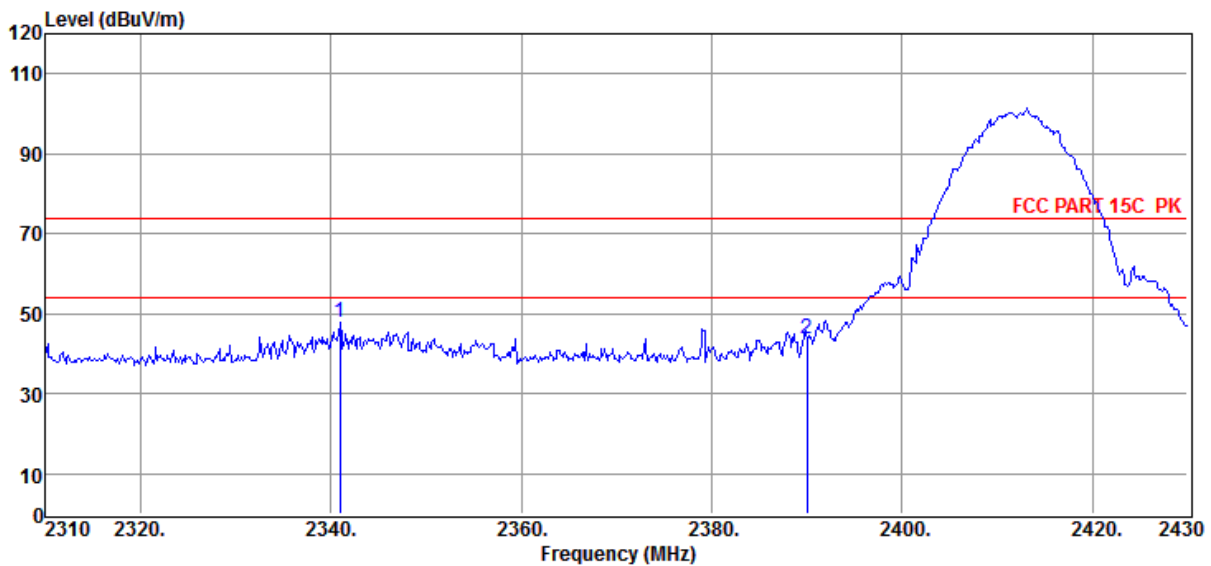
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11B 2412 ANT1



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2340.96	59.52	27.38	43.18	3.99	47.71	74.00	-26.29	Peak	VERTICAL
2	2390.00	55.52	27.48	43.21	4.03	43.82	74.00	-30.18	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

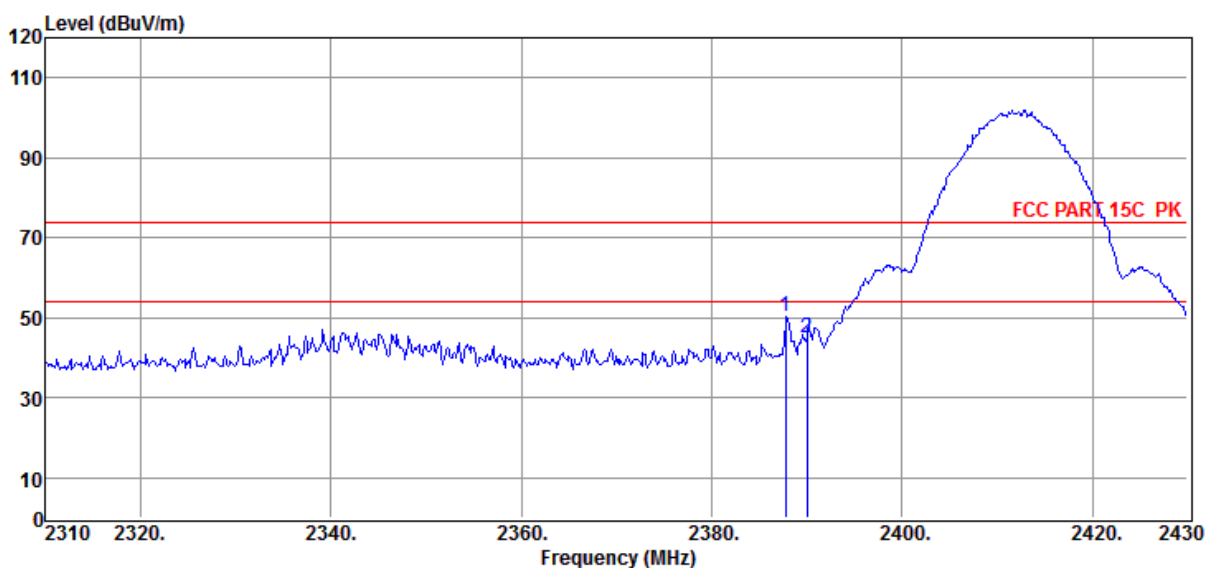
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11B 2412 ANT2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2387.76	62.10	27.48	43.20	4.03	50.41	74.00	-23.59	Peak	VERTICAL
2	2390.00	56.77	27.48	43.21	4.03	45.07	74.00	-28.93	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

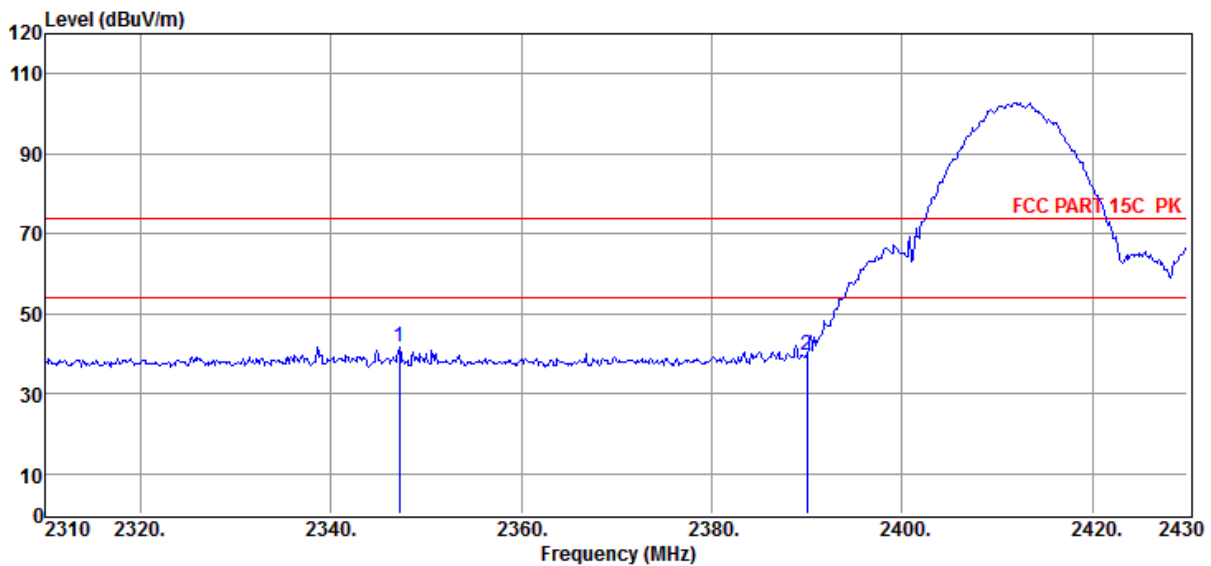
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11B 2412 ANT2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2347.20	53.47	27.39	43.18	3.99	41.67	74.00	-32.33	Peak	HORIZONTAL
2	2390.00	51.40	27.48	43.21	4.03	39.70	74.00	-34.30	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

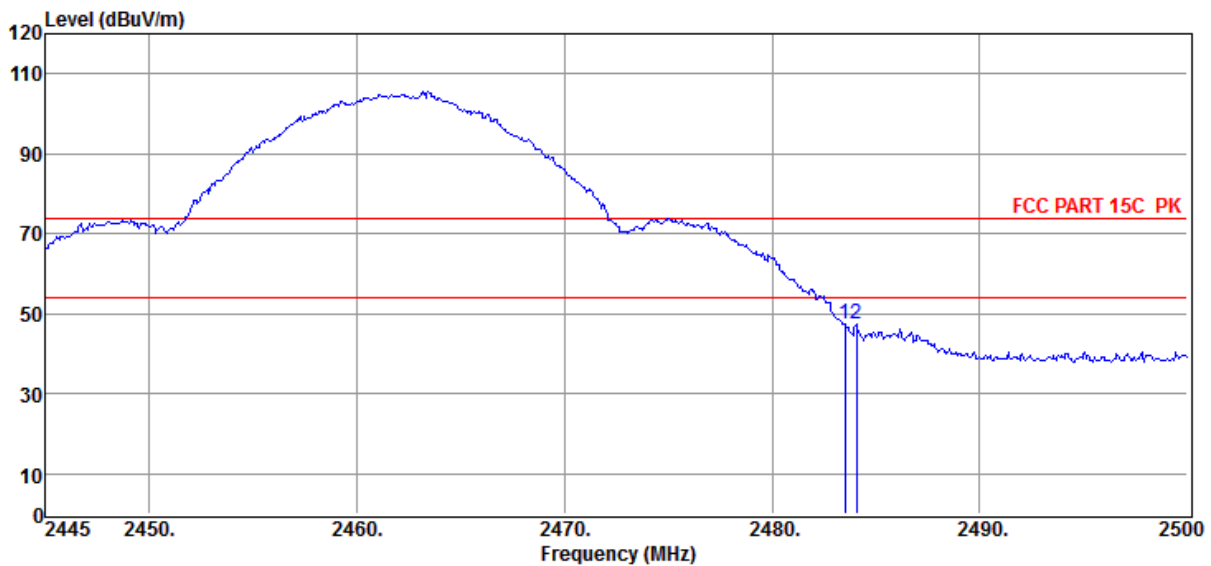
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11B 2462 ANT1



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	58.81	27.67	43.25	4.12	47.35	74.00	-26.65	Peak	HORIZONTAL
2	2484.05	58.77	27.67	43.25	4.12	47.31	74.00	-26.69	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

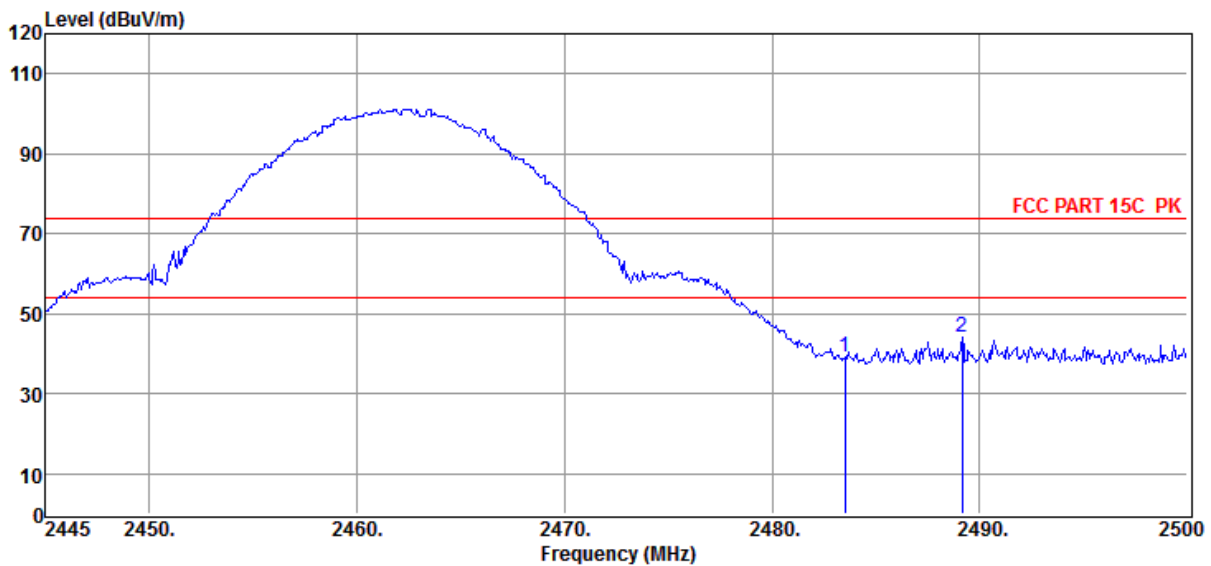
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11B 2462 ANT1



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	50.70	27.67	43.25	4.12	39.24	74.00	-34.76	Peak	VERTICAL
2	2489.17	55.77	27.68	43.25	4.13	44.33	74.00	-29.67	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

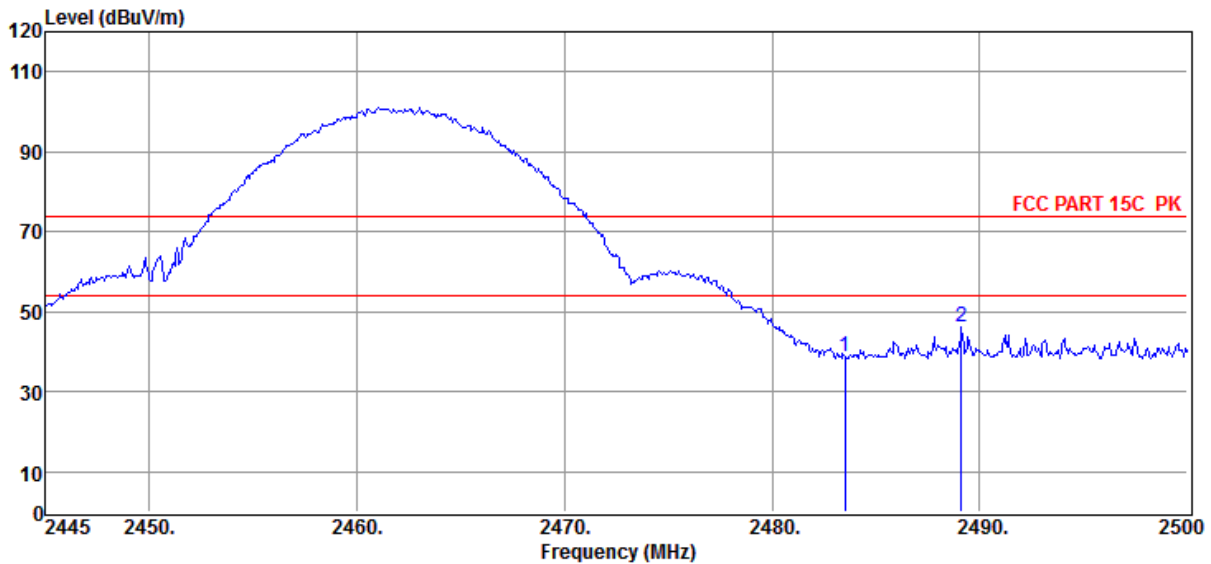
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11B 2462 ANT2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	50.16	27.67	43.25	4.12	38.70	74.00	-35.30	Peak	VERTICAL
2	2489.11	57.74	27.68	43.25	4.13	46.30	74.00	-27.70	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

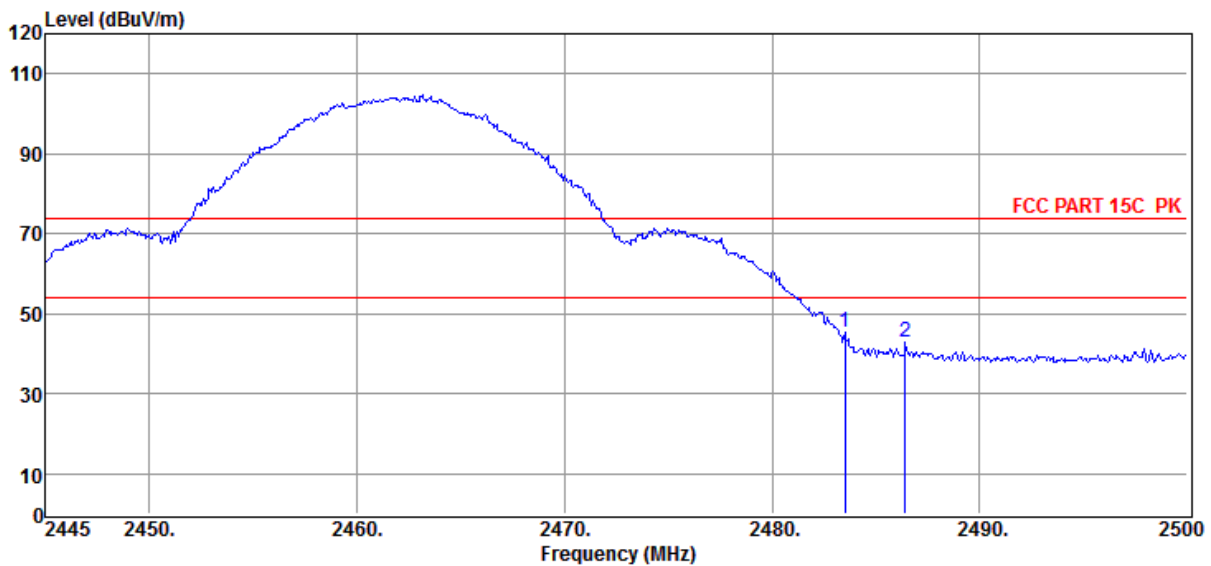
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11B 2462 ANT2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	56.82	27.67	43.25	4.12	45.36	74.00	-28.64	Peak	HORIZONTAL
2	2486.42	54.40	27.67	43.25	4.13	42.95	74.00	-31.05	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

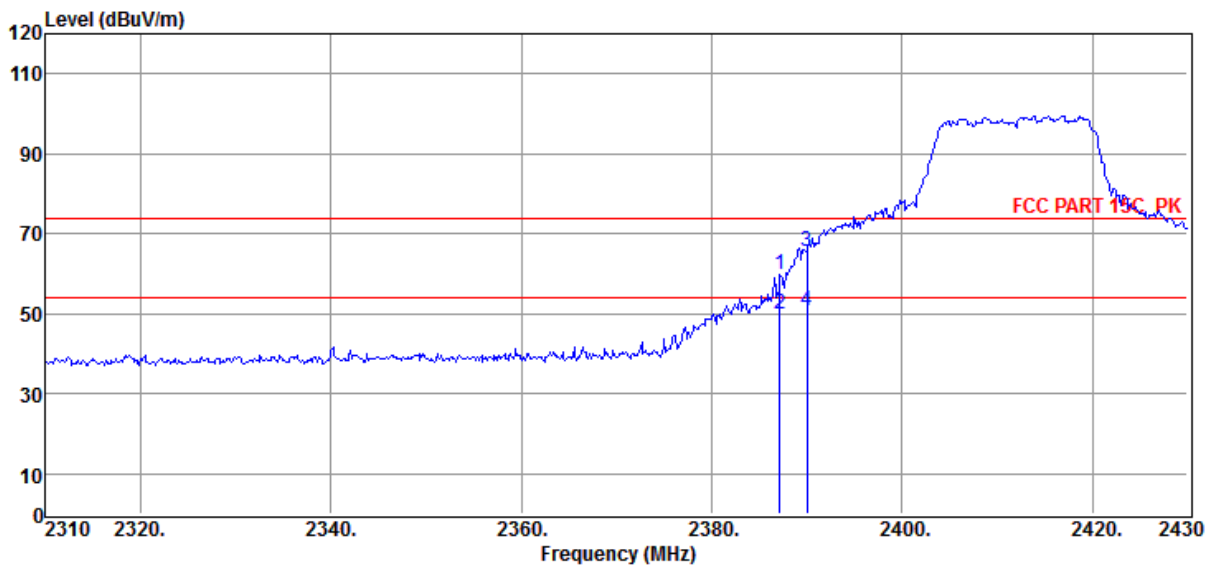
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11G 2412 ANT1



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2387.16	71.66	27.47	43.20	4.03	59.96	74.00	-14.04	Peak	HORIZONTAL
2	2387.16	61.66	27.47	43.20	4.03	49.96	54.00	-4.04	Average	HORIZONTAL
3	2390.00	77.21	27.48	43.21	4.03	65.51	74.00	-8.49	Peak	HORIZONTAL
4	2390.00	62.29	27.48	43.21	4.03	50.59	54.00	-3.41	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

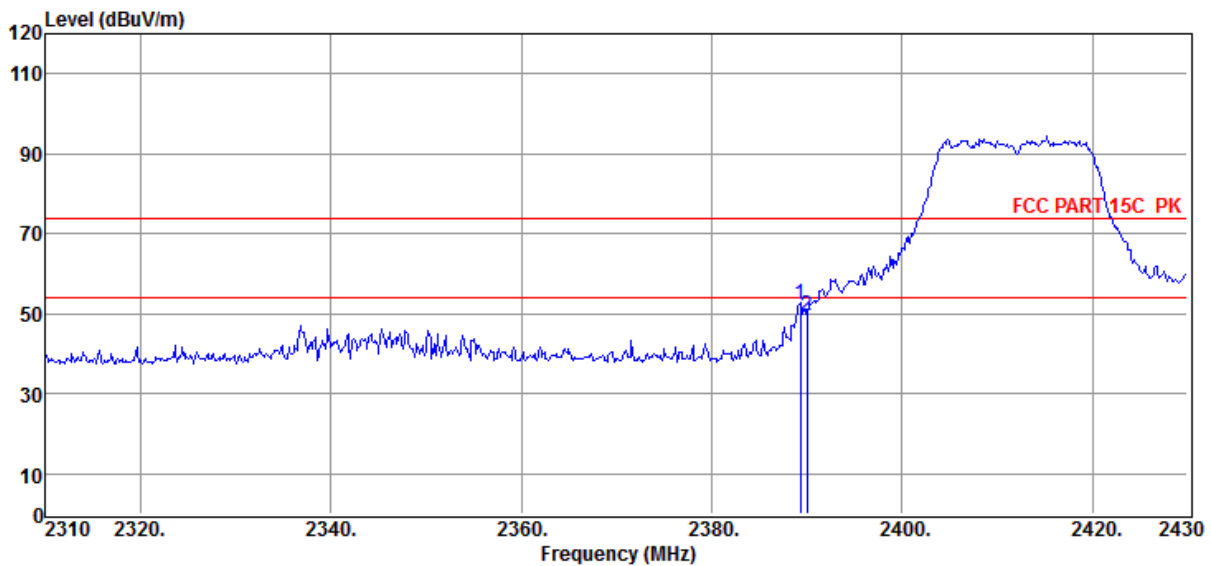
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11G 2412 ANT1



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2389.32	64.13	27.48	43.21	4.03	52.43	74.00	-21.57	Peak	VERTICAL
2	2390.00	61.38	27.48	43.21	4.03	49.68	74.00	-24.32	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

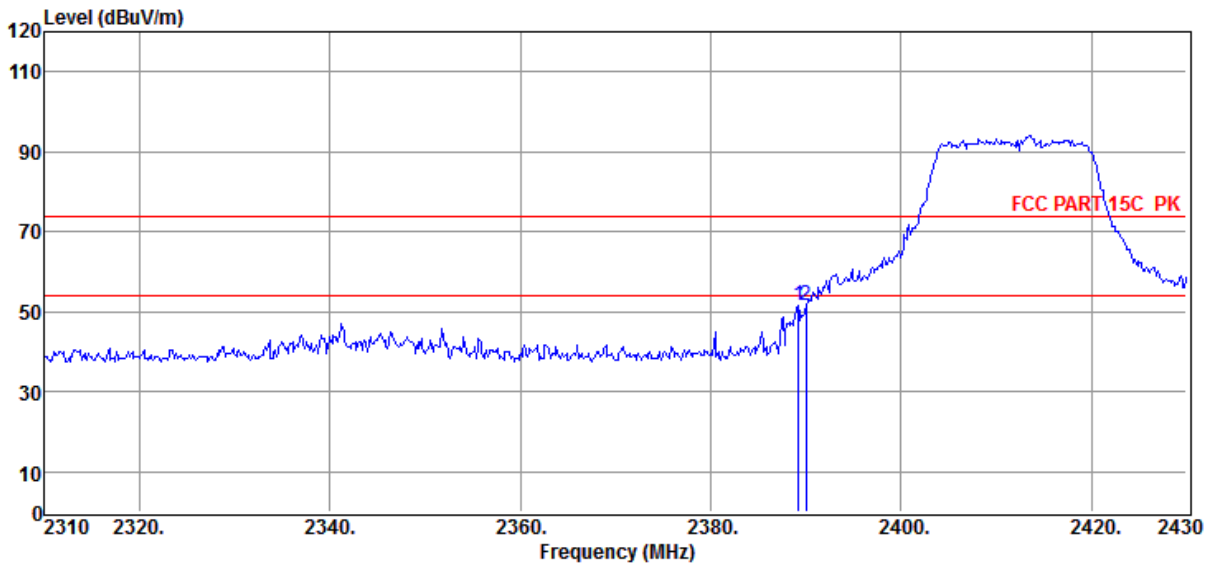
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11G 2412 ANT2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2389.20	63.22	27.48	43.21	4.03	51.52	74.00	-22.48	Peak	VERTICAL
2	2390.00	63.10	27.48	43.21	4.03	51.40	74.00	-22.60	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

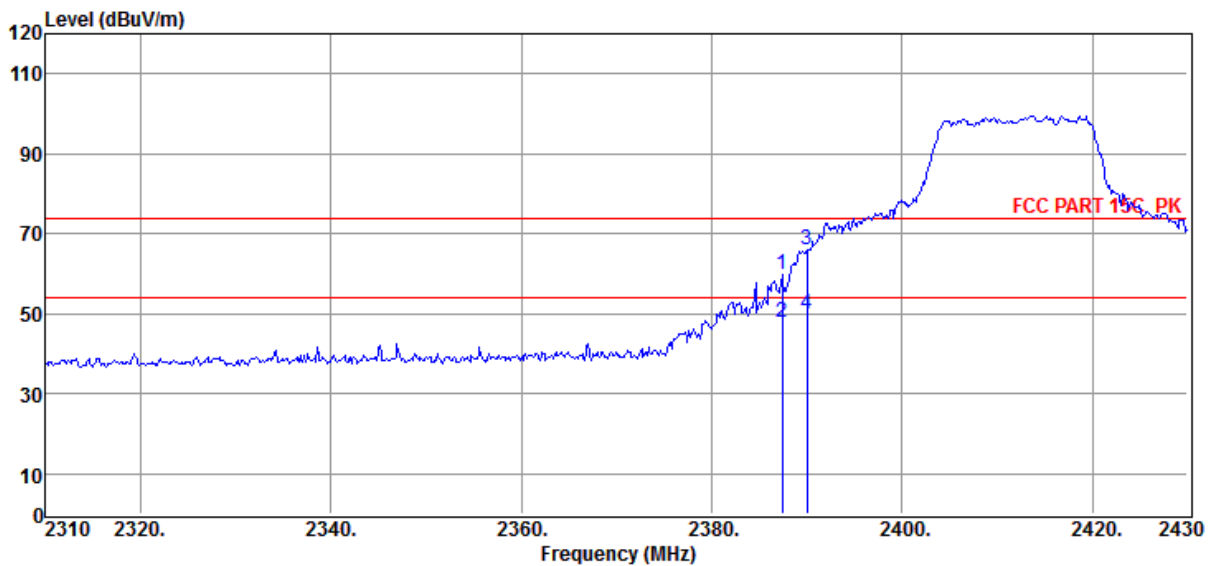
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11G 2412 ANT2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2387.40	71.65	27.47	43.20	4.03	59.95	74.00	-14.05	Peak	HORIZONTAL
2	2387.40	59.63	27.47	43.20	4.03	47.93	54.00	-6.07	Average	HORIZONTAL
3	2390.00	77.53	27.48	43.21	4.03	65.83	74.00	-8.17	Peak	HORIZONTAL
4	2390.00	61.53	27.48	43.21	4.03	49.83	54.00	-4.17	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

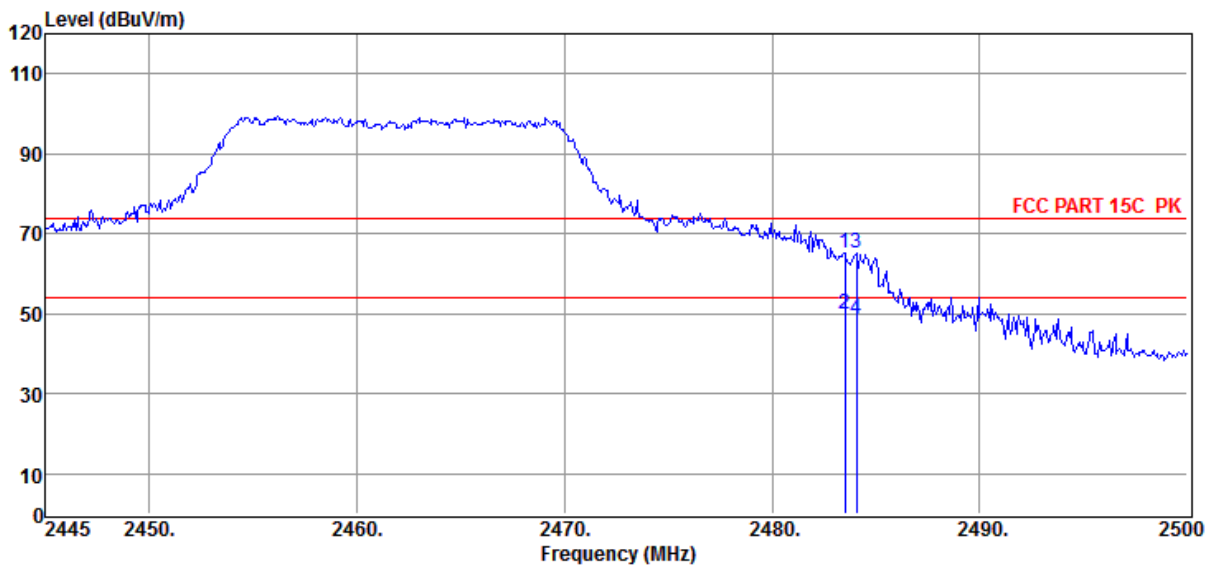
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11G 2462 ANT1



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	76.71	27.67	43.25	4.12	65.25	74.00	-8.75	Peak	HORIZONTAL
2	2483.50	61.22	27.67	43.25	4.12	49.76	54.00	-4.24	Average	HORIZONTAL
3	2484.05	76.57	27.67	43.25	4.12	65.11	74.00	-8.89	Peak	HORIZONTAL
4	2484.05	60.12	27.67	43.25	4.12	48.66	54.00	-5.34	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

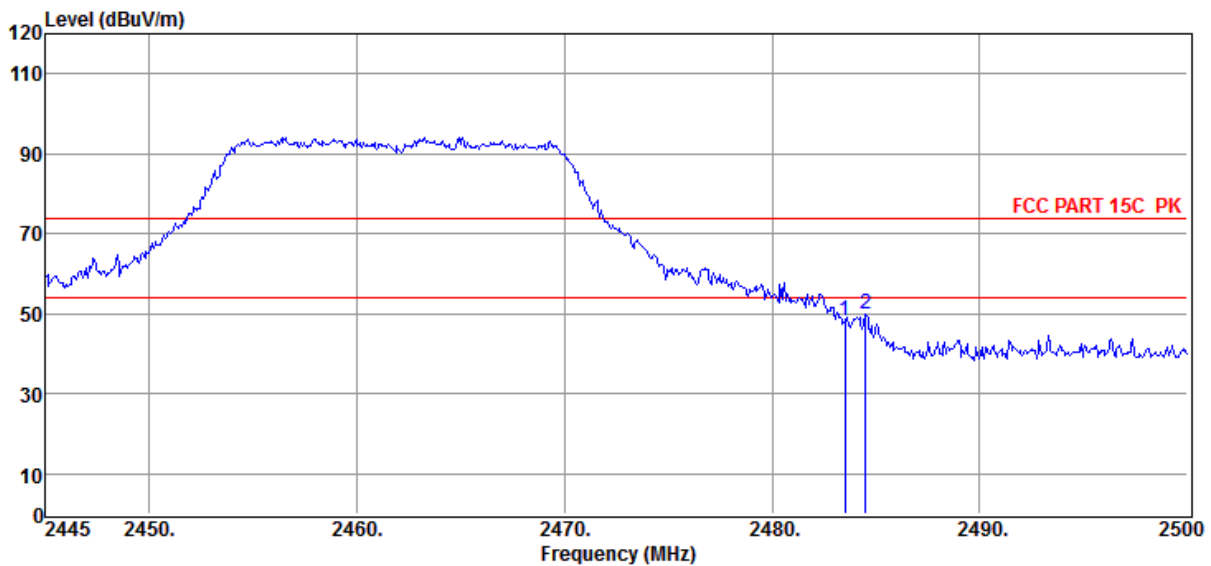
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11G 2462 ANT1



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	59.81	27.67	43.25	4.12	48.35	74.00	-25.65	Peak	VERTICAL
2	2484.49	61.24	27.67	43.25	4.13	49.79	74.00	-24.21	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

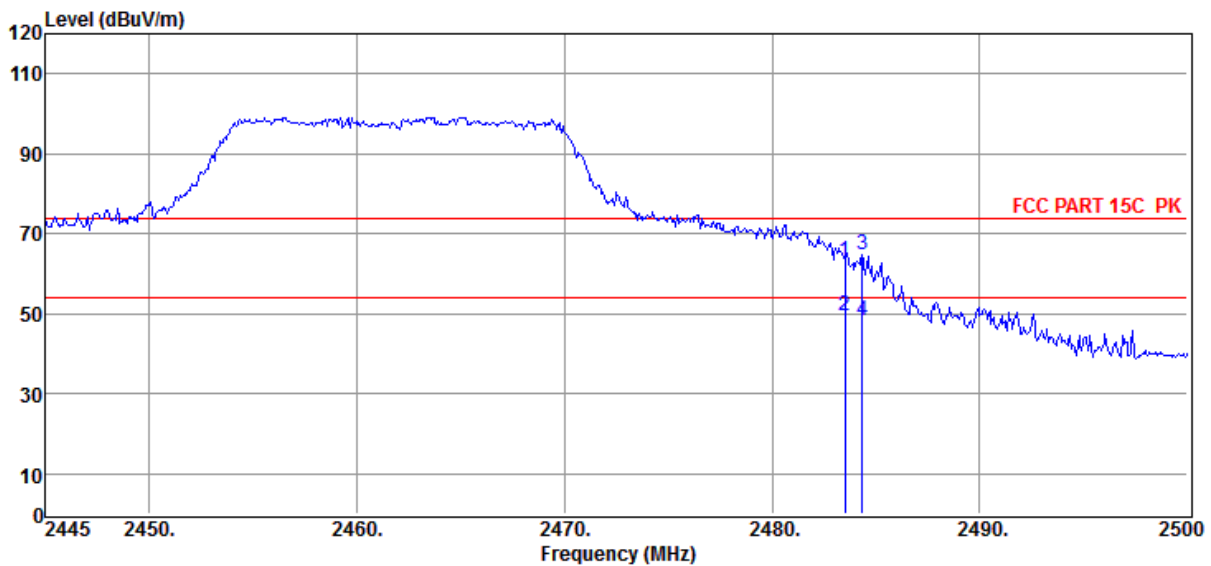
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11G 2462 ANT2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	74.61	27.67	43.25	4.12	63.15	74.00	-10.85	Peak	HORIZONTAL
2	2483.50	61.10	27.67	43.25	4.12	49.64	54.00	-4.36	Average	HORIZONTAL
3	2484.33	76.39	27.67	43.25	4.12	64.93	74.00	-9.07	Peak	HORIZONTAL
4	2484.33	59.62	27.67	43.25	4.12	48.16	54.00	-5.84	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

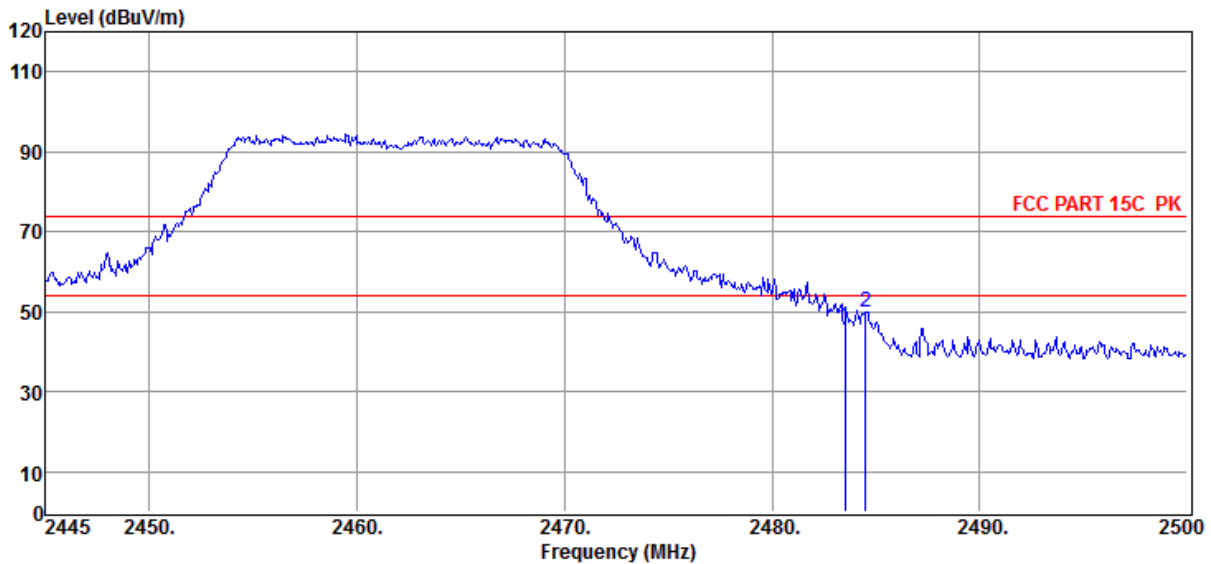
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11G 2462 ANT2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	57.81	27.67	43.25	4.12	46.35	74.00	-27.65	Peak	VERTICAL
2	2484.49	61.27	27.67	43.25	4.13	49.82	74.00	-24.18	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

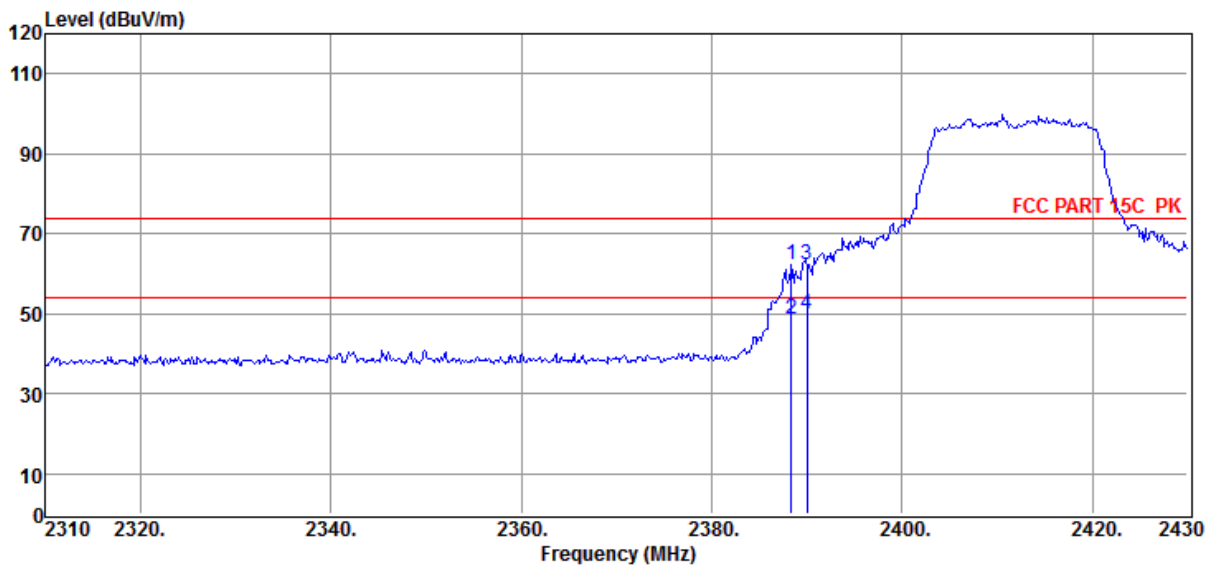
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11N20 2412



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2388.36	74.06	27.48	43.20	4.03	62.37	74.00	-11.63	Peak	HORIZONTAL
2	2388.36	60.55	27.48	43.20	4.03	48.86	54.00	-5.14	Average	HORIZONTAL
3	2390.00	73.87	27.48	43.21	4.03	62.17	74.00	-11.83	Peak	HORIZONTAL
4	2390.00	61.59	27.48	43.21	4.03	49.89	54.00	-4.11	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

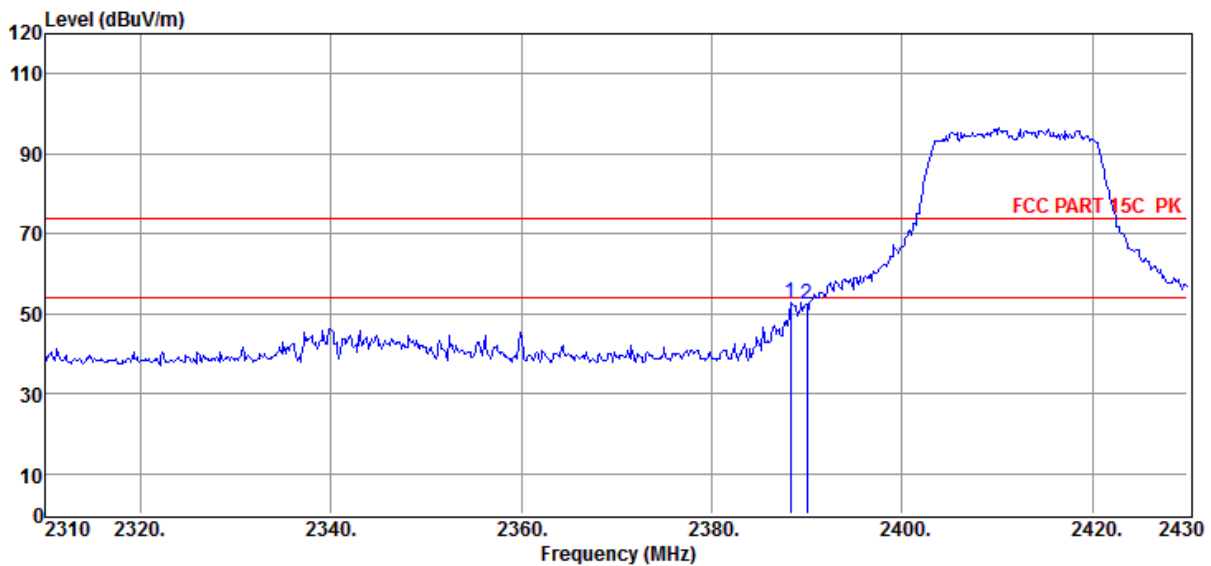
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11N20 2412



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2388.24	64.54	27.48	43.20	4.03	52.85	74.00	-21.15	Peak	VERTICAL
2	2390.00	64.03	27.48	43.21	4.03	52.33	74.00	-21.67	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

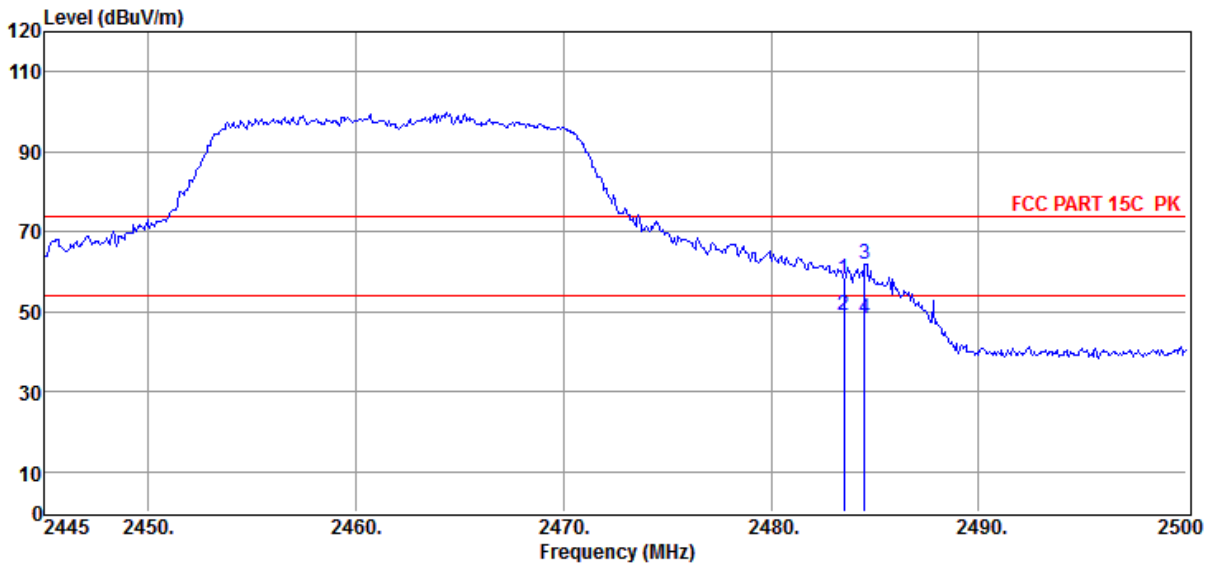
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11N20 2462



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	69.47	27.67	43.25	4.12	58.01	74.00	-15.99	Peak	HORIZONTAL
2	2483.50	60.72	27.67	43.25	4.12	49.26	54.00	-4.74	Average	HORIZONTAL
3	2484.49	73.37	27.67	43.25	4.13	61.92	74.00	-12.08	Peak	HORIZONTAL
4	2484.49	59.54	27.67	43.25	4.13	48.09	54.00	-5.91	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

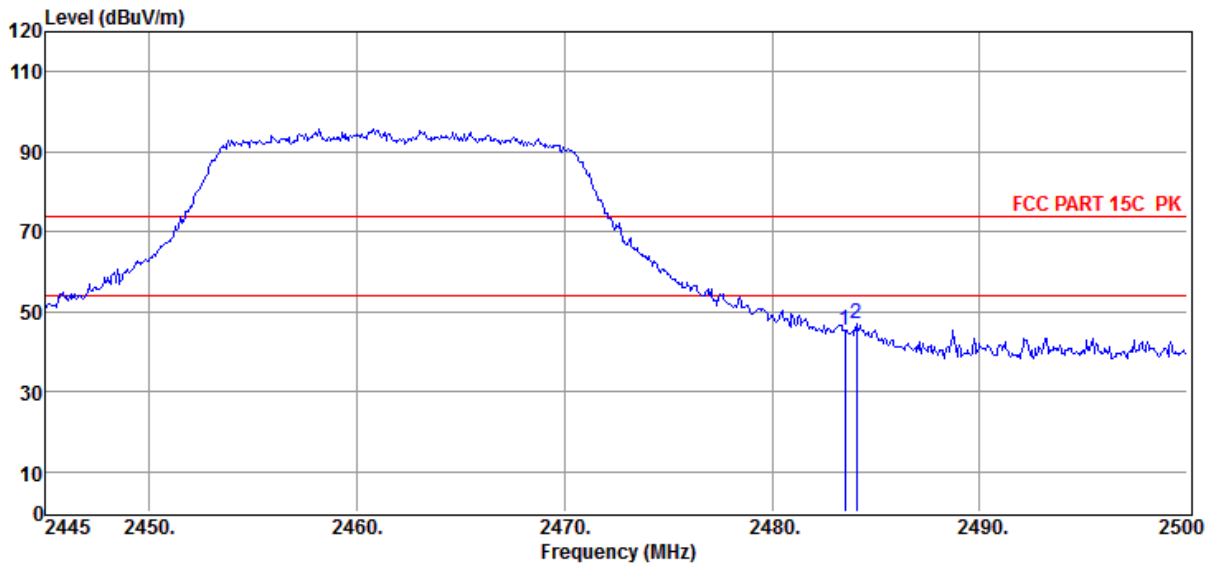
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11N20 2462



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	57.02	27.67	43.25	4.12	45.56	74.00	-28.44	Peak	VERTICAL
2	2484.05	58.49	27.67	43.25	4.12	47.03	74.00	-26.97	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

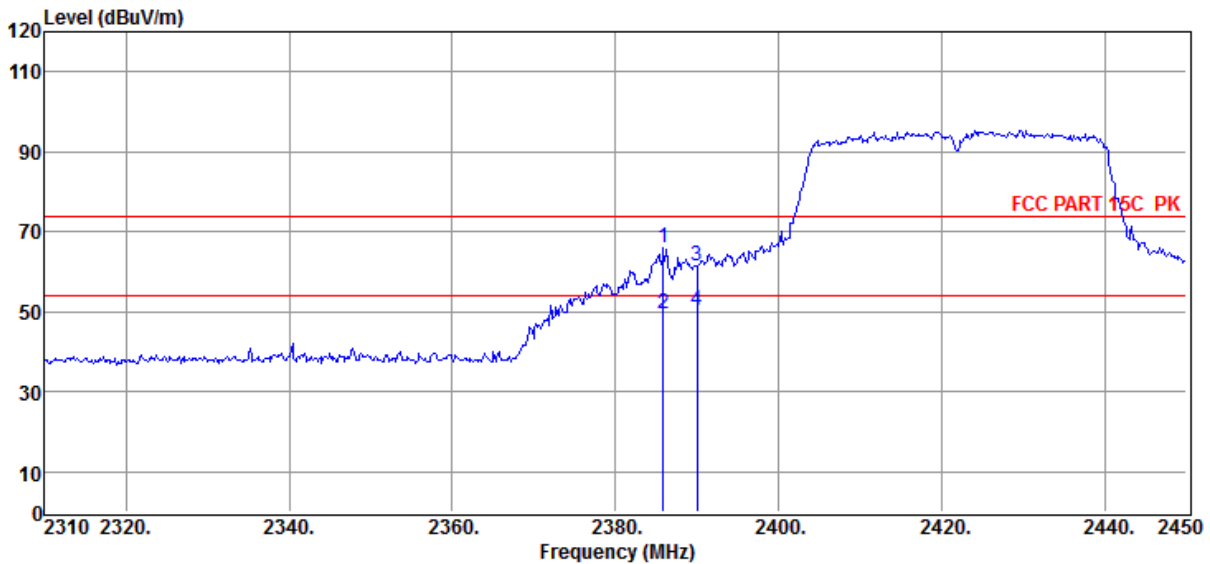
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11N40 2422



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2385.88	77.78	27.47	43.20	4.03	66.08	74.00	-7.92	Peak	HORIZONTAL
2	2385.88	61.22	27.47	43.20	4.03	49.52	54.00	-4.48	Average	HORIZONTAL
3	2390.00	73.34	27.48	43.21	4.03	61.64	74.00	-12.36	Peak	HORIZONTAL
4	2390.00	62.13	27.48	43.21	4.03	50.43	54.00	-3.57	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

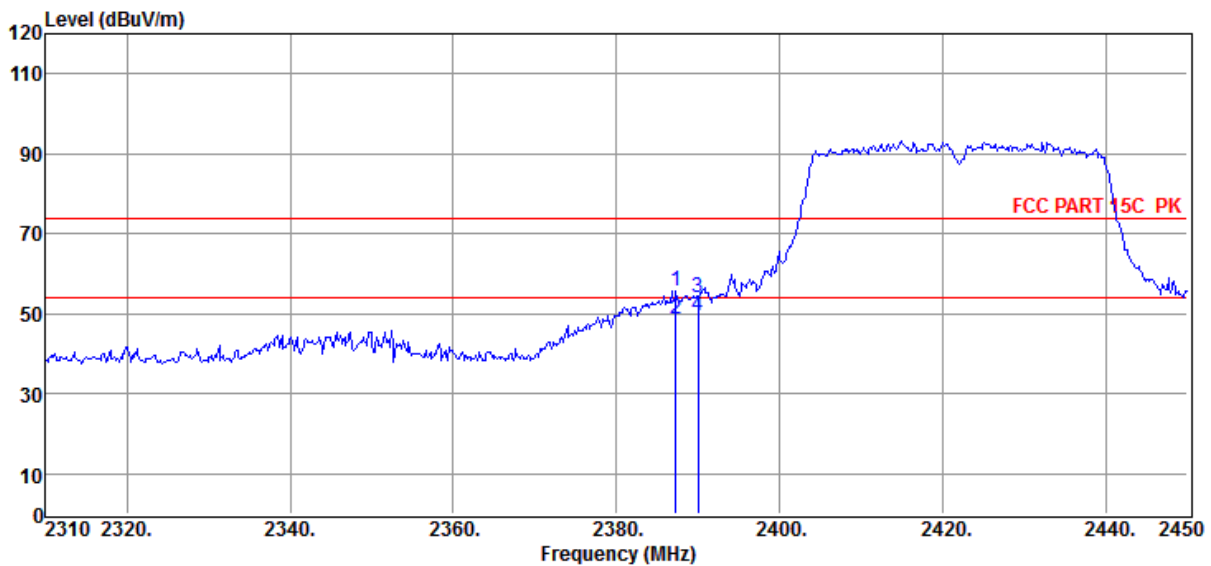
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11N40 2422



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2387.28	67.27	27.47	43.20	4.03	55.57	74.00	-18.43	Peak	VERTICAL
2	2387.28	60.55	27.47	43.20	4.03	48.85	54.00	-5.15	Average	VERTICAL
3	2390.00	65.69	27.48	43.21	4.03	53.99	74.00	-20.01	Peak	VERTICAL
4	2390.00	61.27	27.48	43.21	4.03	49.57	54.00	-4.43	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE
1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

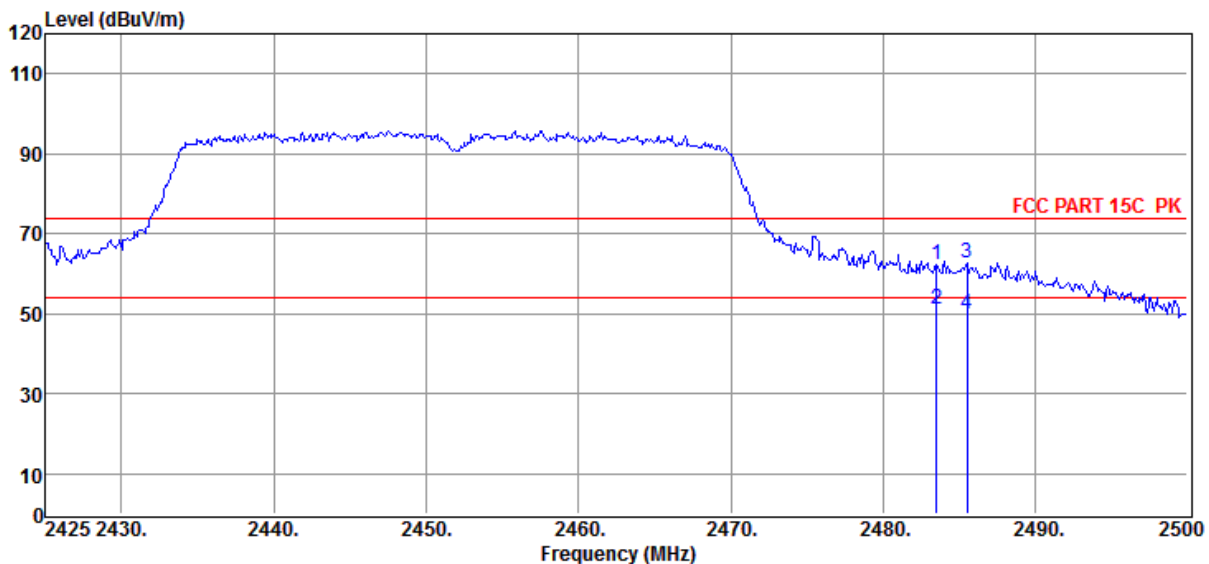
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/HORIZONTAL

Memo : 11N40 2452



Item (Mark)	Freq. (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	73.58	27.67	43.25	4.12	62.12	74.00	-11.88	Peak	HORIZONTAL
2	2483.50	62.44	27.67	43.25	4.12	50.98	54.00	-3.02	Average	HORIZONTAL
3	2485.53	74.22	27.67	43.25	4.13	62.77	74.00	-11.23	Peak	HORIZONTAL
4	2485.53	61.35	27.67	43.25	4.13	49.90	54.00	-4.10	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2020 RE2# Report Data\Q20110315-1E M6\FCC ABOVE 1G.EM6

Test Date : 2020-12-20

Tested By : Kennys

EUT : M6 Mesh Wi-Fi Router

Model Number : M6

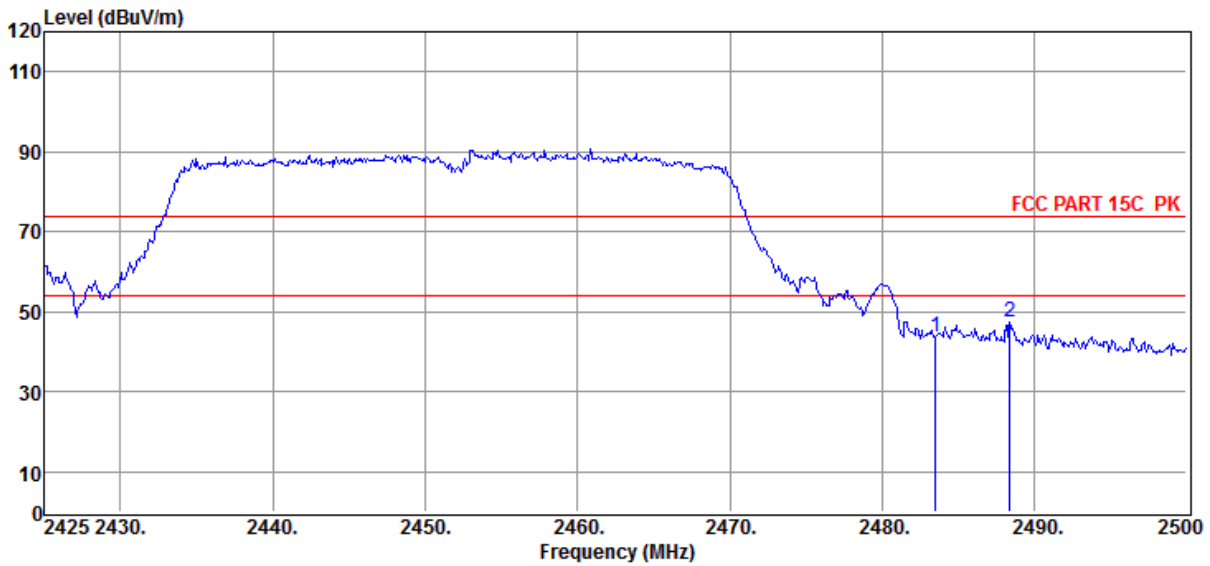
Power Supply : DC 120V 60Hz

Test Mode : Tx mode

Condition : Temp:24.5°C, Humi:55%, Press:100.1kPa

Antenna/Distance : 2019 BBHA9120D/3m/VERTICAL

Memo : 11N40 2452



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	55.27	27.67	43.25	4.12	43.81	74.00	-30.19	Peak	VERTICAL
2	2488.38	59.00	27.68	43.25	4.13	47.56	74.00	-26.44	Peak	VERTICAL

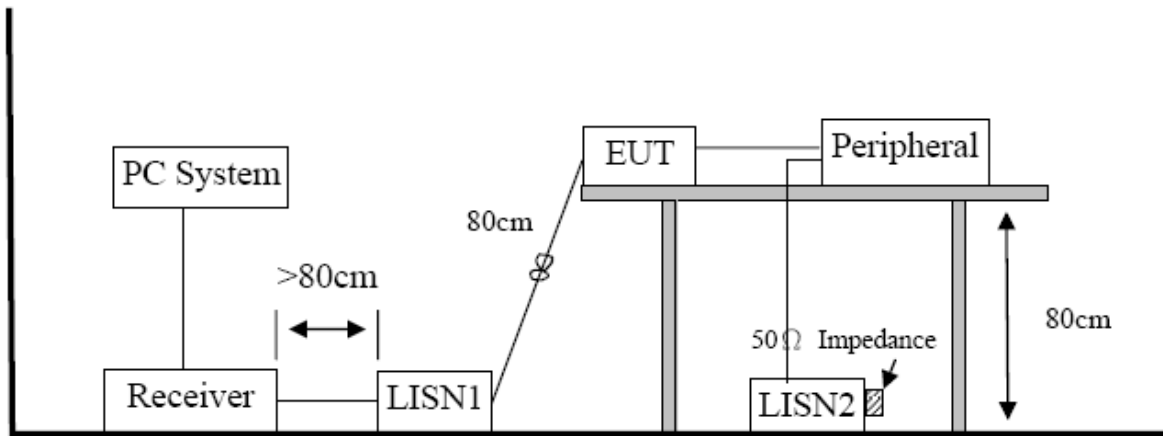
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

11. Power Line Conducted Emission

11.1. Block diagram of test setup



11.2. Power Line Conducted Emission Limits (Class B)

Frequency	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150 kHz ~ 500 kHz	66 ~ 56*	56 ~ 46*
500 kHz ~ 5 MHz	56	46
5 MHz ~ 30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

11.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

11.4. Test result

Pass. (See below detailed test result)

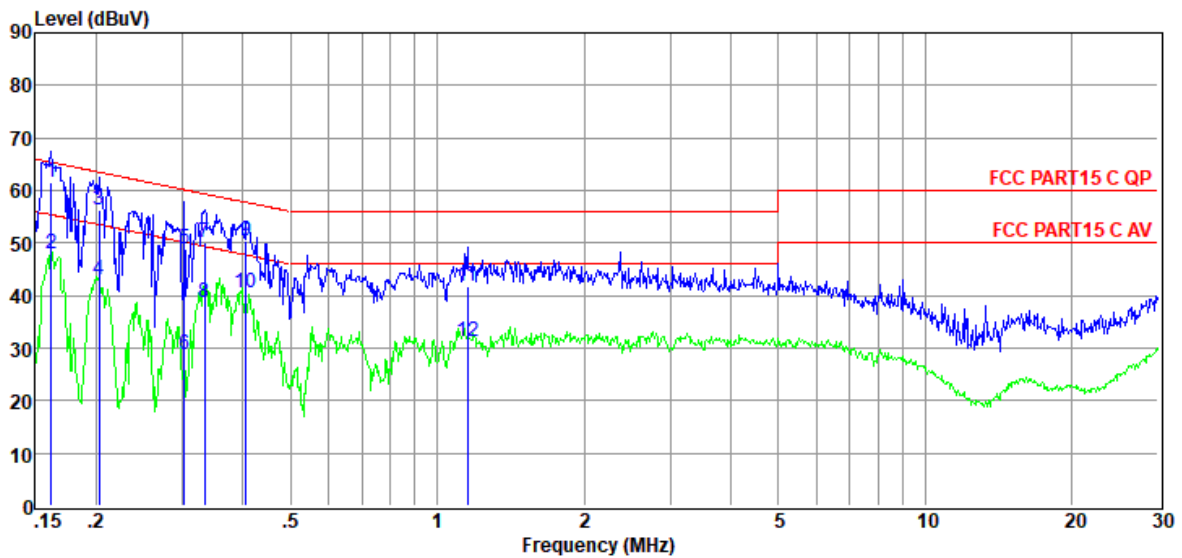
Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "----" means peak detection; "-----" means average detection

Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room D:\2020 CE report data\Q20110315-1E\1214 CE.EM6
Test Date : 2020-12-14 **Tested By** : Junchang Du
EUT : M6 Mesh Wi-Fi Router **Model Number** : M6
Power Supply : AC 120V/60Hz **Test Mode** : Tx mode
Condition : TEMP:24.8°C, RH:54.5%, BP:101.4kPa **LISN** : 2020 ENV 216 1#/LINE
Memo :



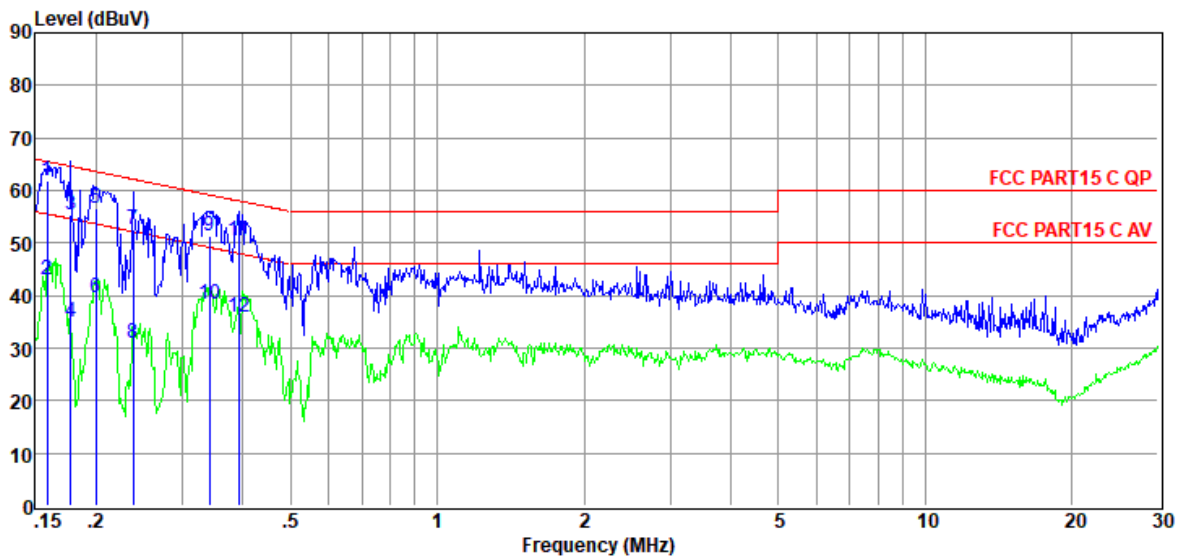
Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.16	42.27	9.39	0.02	9.86	61.54	65.38	-3.84	QP	LINE
2	0.16	28.80	9.39	0.02	9.86	48.07	55.38	-7.31	Average	LINE
3	0.20	36.90	9.40	0.02	9.86	56.18	63.49	-7.31	QP	LINE
4	0.20	23.59	9.40	0.02	9.86	42.87	53.49	-10.62	Average	LINE
5	0.30	29.70	9.41	0.02	9.86	48.99	60.15	-11.16	QP	LINE
6	0.30	9.54	9.41	0.02	9.86	28.83	50.15	-21.32	Average	LINE
7	0.33	30.81	9.41	0.02	9.86	50.10	59.35	-9.25	QP	LINE
8	0.33	19.33	9.41	0.02	9.86	38.62	49.35	-10.73	Average	LINE
9	0.41	31.00	9.41	0.02	9.86	50.29	57.73	-7.44	QP	LINE
10	0.41	21.09	9.41	0.02	9.86	40.38	47.73	-7.35	Average	LINE
11	1.15	22.34	9.42	0.03	9.86	41.65	56.00	-14.35	QP	LINE
12	1.15	12.07	9.42	0.03	9.86	31.38	46.00	-14.62	Average	LINE

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room D:\2020 CE report data\Q20110315-1E\1214 CE.EM6
Test Date : 2020-12-14 **Tested By** : Junchang Du
EUT : M6 Mesh Wi-Fi Router **Model Number** : M6
Power Supply : AC 120V/60Hz **Test Mode** : Tx mode
Condition : TEMP:24.8°C, RH:54.5%, BP:101.4kPa **LISN** : 2020 ENV 216 1#/NEUTRAL
Memo :



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.16	42.62	9.38	0.02	9.86	61.88	65.52	-3.64	QP	NEUTRAL
2	0.16	23.75	9.38	0.02	9.86	43.01	55.52	-12.51	Average	NEUTRAL
3	0.18	36.00	9.37	0.02	9.86	55.25	64.59	-9.34	QP	NEUTRAL
4	0.18	15.60	9.37	0.02	9.86	34.85	54.59	-19.74	Average	NEUTRAL
5	0.20	37.35	9.37	0.02	9.86	56.60	63.62	-7.02	QP	NEUTRAL
6	0.20	20.46	9.37	0.02	9.86	39.71	53.62	-13.91	Average	NEUTRAL
7	0.24	33.21	9.37	0.02	9.86	52.46	62.17	-9.71	QP	NEUTRAL
8	0.24	11.66	9.37	0.02	9.86	30.91	52.17	-21.26	Average	NEUTRAL
9	0.34	32.07	9.38	0.02	9.86	51.33	59.18	-7.85	QP	NEUTRAL
10	0.34	19.03	9.38	0.02	9.86	38.29	49.18	-10.89	Average	NEUTRAL
11	0.39	31.24	9.39	0.02	9.86	50.51	58.03	-7.52	QP	NEUTRAL
12	0.39	16.49	9.39	0.02	9.86	35.76	48.03	-12.27	Average	NEUTRAL

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

12. Antenna Requirements

12.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

12.2. Result

The device support 2T2R MIMO, the antennas both used for this product are dedicated antennas and no antenna other than that furnished by the responsible party shall be used with the device, maximum antenna gain is 3.5 dBi for antenna 1 and antenna 2.

END OF REPORT