

EXHIBIT A- RADIATED SPURIOUS EMISSION DATA

Note : Transmit frequency is ignore ,mark →

30M-1G

WIFI2.4G- Horizontal-TX

Test result

Project Number: Certification

Test Time: 2022-04-29_10.00.32

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

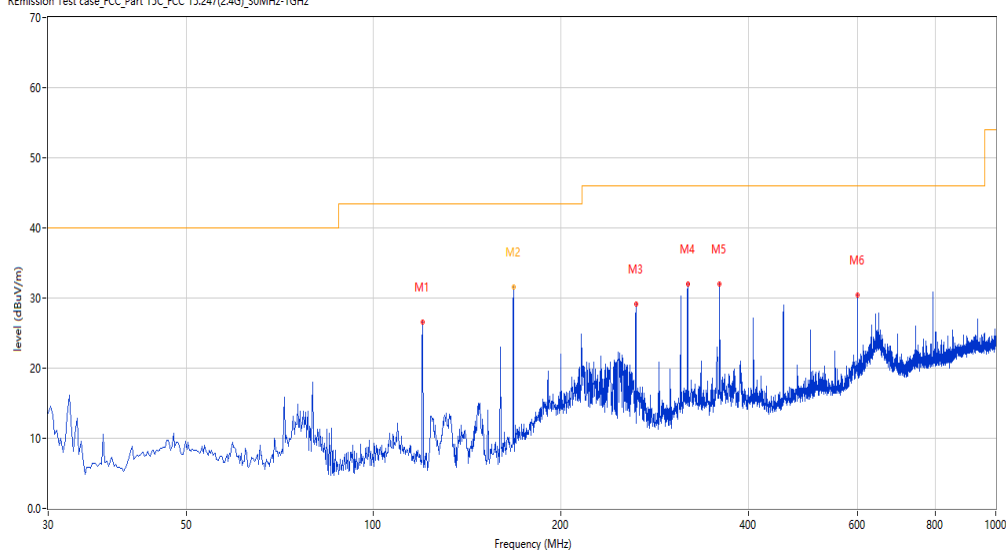
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	119.945	26.61	-28.31	43.5	-16.89	Peak	359.20	200	Horizontal	Pass
2	168.000	36.12	-29.07	43.5	-7.38	Peak	0.00	139	Horizontal	Pass
2*	168.000	31.62	-29.07	43.5	-11.88	QP	0.00	139	Horizontal	Pass
3	263.954	29.19	-24.46	46.0	-16.81	Peak	128.50	100	Horizontal	Pass
4	319.958	31.95	-23.18	46.0	-14.05	Peak	244.60	100	Horizontal	Pass
5	359.960	32.03	-22.28	46.0	-13.97	Peak	0.00	200	Horizontal	Pass
6	599.975	30.47	-15.59	46.0	-15.53	Peak	249.10	100	Horizontal	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_10.42.02

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

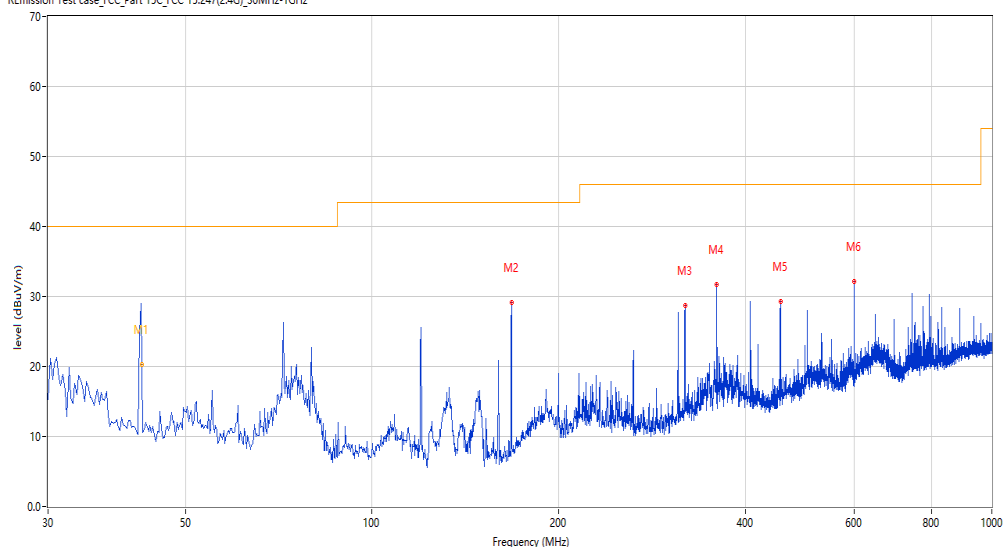
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	42.559	32.69	-25.63	40.0	-7.31	Peak	280.40	190	Vertical	Pass
1*	42.559	20.28	-25.63	40.0	-19.72	QP	280.40	190	Vertical	Pass
2	167.948	29.14	-29.07	43.5	-14.36	Peak	71.10	200	Vertical	Pass
3	319.958	28.77	-23.18	46.0	-17.23	Peak	184.00	100	Vertical	Pass
4	359.960	31.78	-22.28	46.0	-14.22	Peak	244.30	100	Vertical	Pass
5	455.966	29.29	-19.83	46.0	-16.71	Peak	165.40	100	Vertical	Pass
6	599.975	32.16	-15.59	46.0	-13.84	Peak	207.10	100	Vertical	Pass

1-18G

WIFI2.4G-B- Low channel-Horizontal-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_11.30.10

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

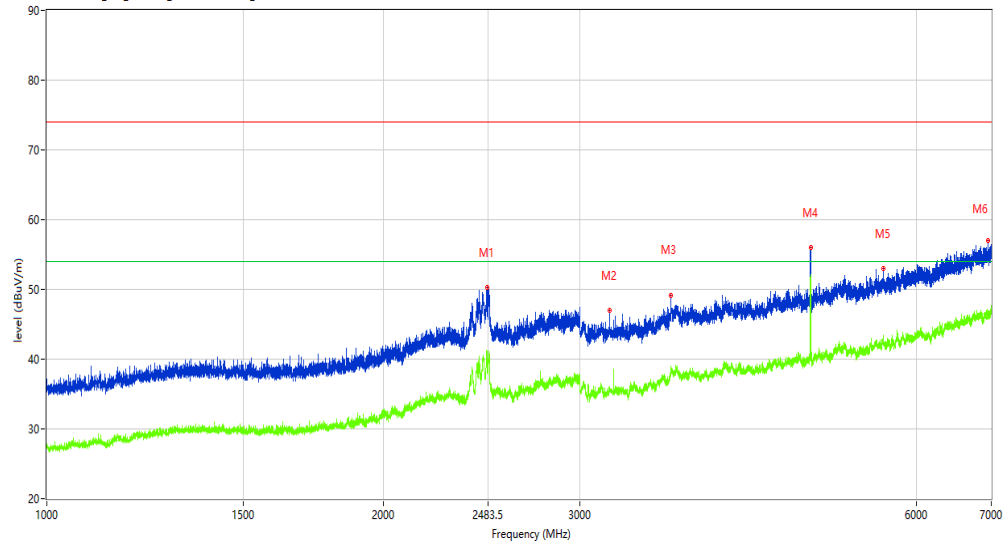
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

R emission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2476.565	50.23	-2.10	74.0	-23.77	Peak	114.60	100	Horizontal	Pass
1**	2476.565	40.24	-2.10	54.0	-13.76	AV	114.60	100	Horizontal	Pass
2	3187.477	46.93	-4.57	74.0	-27.07	Peak	98.90	100	Horizontal	Pass
2**	3187.477	35.89	-4.57	54.0	-18.11	AV	98.90	100	Horizontal	Pass
3	3618.423	49.09	-1.75	74.0	-24.91	Peak	264.10	100	Horizontal	Pass
3**	3618.423	38.46	-1.75	54.0	-15.54	AV	264.10	100	Horizontal	Pass
4	4823.772	56.06	-0.34	74.0	-17.94	Peak	186.70	100	Horizontal	Pass
4**	4823.772	52.20	-0.34	54.0	-1.80	AV	186.70	100	Horizontal	Pass
5	5604.674	52.93	1.68	74.0	-21.07	Peak	118.20	100	Horizontal	Pass
5**	5604.674	42.74	1.68	54.0	-11.26	AV	118.20	100	Horizontal	Pass
6	6957.505	56.98	5.23	74.0	-17.02	Peak	26.70	100	Horizontal	Pass
6**	6957.505	45.90	5.23	54.0	-8.10	AV	26.70	100	Horizontal	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_14.55.59

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9347.913	38.08	7.49	74.0	-35.92	Peak	20.60	100	Horizontal	Pass
1**	9347.913	28.08	7.49	54.0	-25.92	AV	20.60	100	Horizontal	Pass
2	11470.382	43.82	11.78	74.0	-30.18	Peak	360.00	100	Horizontal	Pass
2**	11470.382	32.34	11.78	54.0	-21.66	AV	360.00	100	Horizontal	Pass
3	12451.887	44.51	12.51	74.0	-29.49	Peak	340.20	100	Horizontal	Pass
3**	12451.887	34.45	12.51	54.0	-19.55	AV	340.20	100	Horizontal	Pass
4	14178.455	51.28	19.46	74.0	-22.72	Peak	358.70	100	Horizontal	Pass
4**	14178.455	41.08	19.46	54.0	-12.92	AV	358.70	100	Horizontal	Pass
5	14516.621	50.99	17.58	74.0	-23.01	Peak	238.50	100	Horizontal	Pass
5**	14516.621	40.33	17.58	54.0	-13.67	AV	238.50	100	Horizontal	Pass
6	17986.253	58.61	27.07	74.0	-15.39	Peak	16.10	100	Horizontal	Pass
6**	17986.253	48.89	27.07	54.0	-5.11	AV	16.10	100	Horizontal	Pass

WIFI2.4G-B-Low channel-Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_11.49.32

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

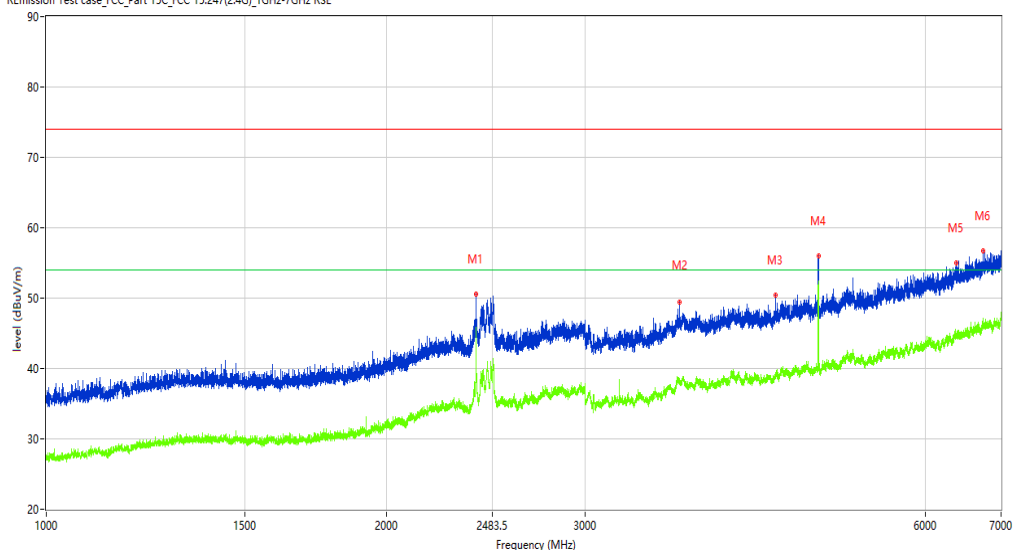
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2401.825	50.52	-4.02	74.0	-23.48	Peak	160.80	100	Vertical	Pass
1**	2401.825	45.82	-4.02	54.0	-8.18	AV	160.80	100	Vertical	Pass
2	3635.421	49.46	-1.56	74.0	-24.54	Peak	350.80	100	Vertical	Pass
2**	3635.421	38.28	-1.56	54.0	-15.72	AV	350.80	100	Vertical	Pass
3	4420.322	50.36	-1.05	74.0	-23.64	Peak	20.80	100	Vertical	Pass
3**	4420.322	39.31	-1.05	54.0	-14.69	AV	20.80	100	Vertical	Pass
4	4823.772	56.02	-0.34	74.0	-17.98	Peak	312.10	100	Vertical	Pass
4**	4823.772	52.49	-0.34	54.0	-1.51	AV	312.10	100	Vertical	Pass
5	6391.576	55.03	3.65	74.0	-18.97	Peak	131.60	100	Vertical	Pass
5**	6391.576	44.65	3.65	54.0	-9.35	AV	131.60	100	Vertical	Pass
6	6753.031	56.78	4.88	74.0	-17.22	Peak	0.40	100	Vertical	Pass
6**	6753.031	46.02	4.88	54.0	-7.98	AV	0.40	100	Vertical	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.14.27

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

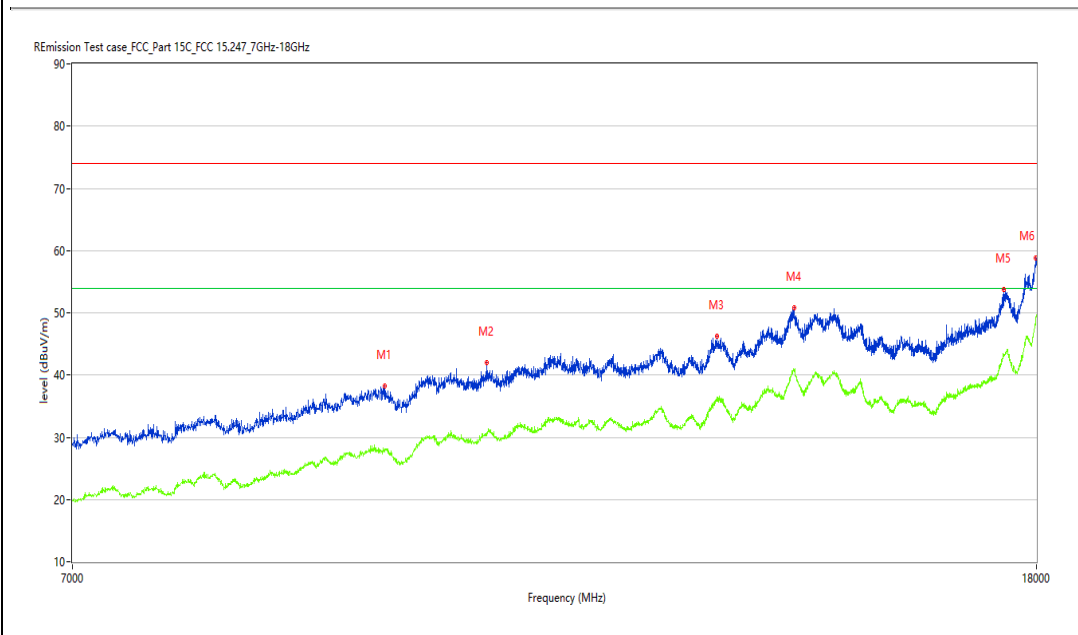
Work Addition: TX

Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9504.624	38.28	7.94	74.0	-35.72	Peak	232.30	100	Vertical	Pass
1**	9504.624	28.13	7.94	54.0	-25.87	AV	232.30	100	Vertical	Pass
2	10502.624	42.00	10.01	74.0	-32.00	Peak	217.80	100	Vertical	Pass
2**	10502.624	30.72	10.01	54.0	-23.28	AV	217.80	100	Vertical	Pass
3	13161.210	46.27	14.00	74.0	-27.73	Peak	265.40	100	Vertical	Pass
3**	13161.210	35.98	14.00	54.0	-18.02	AV	265.40	100	Vertical	Pass
4	14197.701	50.80	19.55	74.0	-23.20	Peak	359.20	100	Vertical	Pass
4**	14197.701	40.74	19.55	54.0	-13.26	AV	359.20	100	Vertical	Pass
5	17428.143	53.75	20.45	74.0	-20.25	Peak	207.70	100	Vertical	Pass
5**	17428.143	43.06	20.45	54.0	-10.94	AV	207.70	100	Vertical	Pass
6	17986.253	58.76	27.07	74.0	-15.24	Peak	1.30	100	Vertical	Pass
6**	17986.253	48.63	27.07	54.0	-5.37	AV	1.30	100	Vertical	Pass

WIFI2.4G-B-Middle channel-Horizontal-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_11.22.34

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

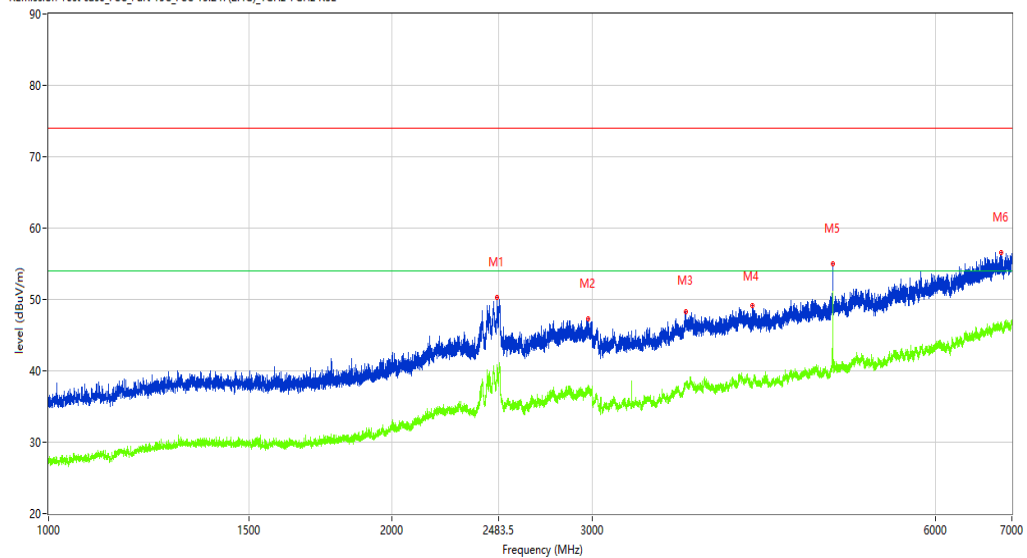
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2474.316	50.22	-2.16	74.0	-23.78	Peak	107.60	100	Horizontal	Pass
1**	2474.316	40.51	-2.16	54.0	-13.49	AV	107.60	100	Horizontal	Pass
2	2973.753	47.33	-3.26	74.0	-26.67	Peak	327.90	100	Horizontal	Pass
2**	2973.753	37.35	-3.26	54.0	-16.65	AV	327.90	100	Horizontal	Pass
3	3625.422	48.32	-1.59	74.0	-25.68	Peak	249.60	100	Horizontal	Pass
3**	3625.422	37.95	-1.59	54.0	-16.05	AV	249.60	100	Horizontal	Pass
4	4145.357	49.16	-1.28	74.0	-24.84	Peak	336.70	100	Horizontal	Pass
4**	4145.357	38.29	-1.28	54.0	-15.71	AV	336.70	100	Horizontal	Pass
5	4873.766	55.02	0.05	74.0	-18.98	Peak	172.60	100	Horizontal	Pass
5**	4873.766	51.12	0.05	54.0	-2.88	AV	172.60	100	Horizontal	Pass
6	6845.519	56.53	5.05	74.0	-17.47	Peak	114.60	100	Horizontal	Pass
6**	6845.519	46.18	5.05	54.0	-7.82	AV	114.60	100	Horizontal	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.02.33

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9537.616	38.85	7.98	74.0	-35.15	Peak	150.00	100	Horizontal	Pass
1**	9537.616	27.63	7.98	54.0	-26.37	AV	150.00	100	Horizontal	Pass
2	10832.542	42.17	10.93	74.0	-31.83	Peak	135.50	100	Horizontal	Pass
2**	10832.542	31.77	10.93	54.0	-22.23	AV	135.50	100	Horizontal	Pass
3	12449.138	45.38	12.50	74.0	-28.62	Peak	68.50	100	Horizontal	Pass
3**	12449.138	34.71	12.50	54.0	-19.29	AV	68.50	100	Horizontal	Pass
4	14189.453	50.59	19.73	74.0	-23.41	Peak	49.10	100	Horizontal	Pass
4**	14189.453	40.73	19.73	54.0	-13.27	AV	49.10	100	Horizontal	Pass
5	17488.628	55.06	21.45	74.0	-18.94	Peak	131.00	100	Horizontal	Pass
5**	17488.628	43.68	21.45	54.0	-10.32	AV	131.00	100	Horizontal	Pass
6	18000.000	58.58	27.92	74.0	-15.42	Peak	323.00	100	Horizontal	Pass
6**	18000.000	49.74	27.92	54.0	-4.26	AV	323.00	100	Horizontal	Pass

WIFI2.4G-B-Middle channel-Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_11.06.42

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

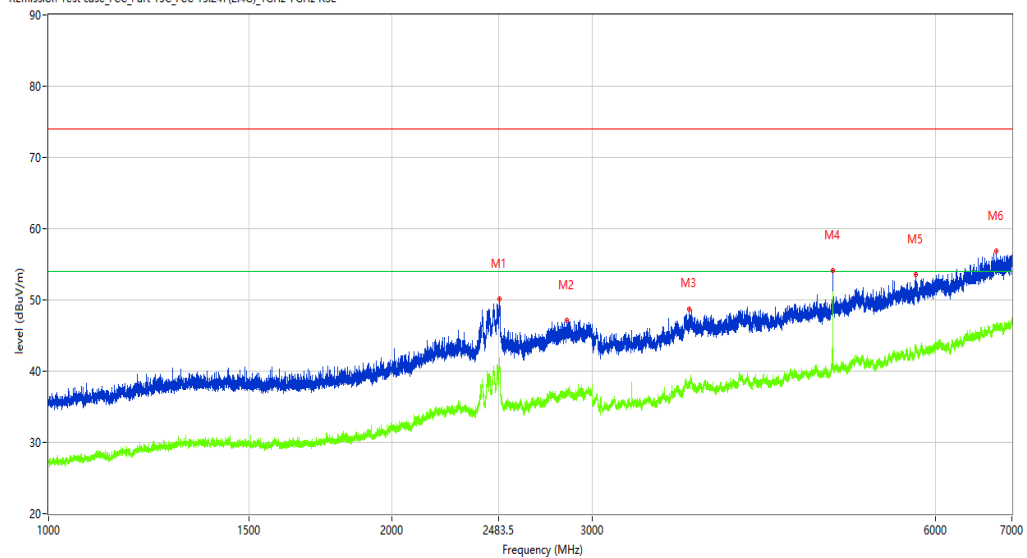
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2486.064	50.18	-1.91	74.0	-23.82	Peak	42.90	100	Vertical	Pass
1**	2486.064	41.00	-1.91	54.0	-13.00	AV	42.90	100	Vertical	Pass
2	2848.769	47.18	-3.87	74.0	-26.82	Peak	123.20	100	Vertical	Pass
2**	2848.769	37.06	-3.87	54.0	-16.94	AV	123.20	100	Vertical	Pass
3	3645.919	48.75	-1.54	74.0	-25.25	Peak	359.20	100	Vertical	Pass
3**	3645.919	37.73	-1.54	54.0	-16.27	AV	359.20	100	Vertical	Pass
4	4873.266	54.18	0.05	74.0	-19.82	Peak	305.40	100	Vertical	Pass
4**	4873.266	49.82	0.05	54.0	-4.18	AV	305.40	100	Vertical	Pass
5	5760.655	53.51	2.15	74.0	-20.49	Peak	110.30	100	Vertical	Pass
5**	5760.655	43.11	2.15	54.0	-10.89	AV	110.30	100	Vertical	Pass
6	6784.027	56.87	5.21	74.0	-17.13	Peak	257.00	100	Vertical	Pass
6**	6784.027	46.14	5.21	54.0	-7.86	AV	257.00	100	Vertical	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.25.15

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

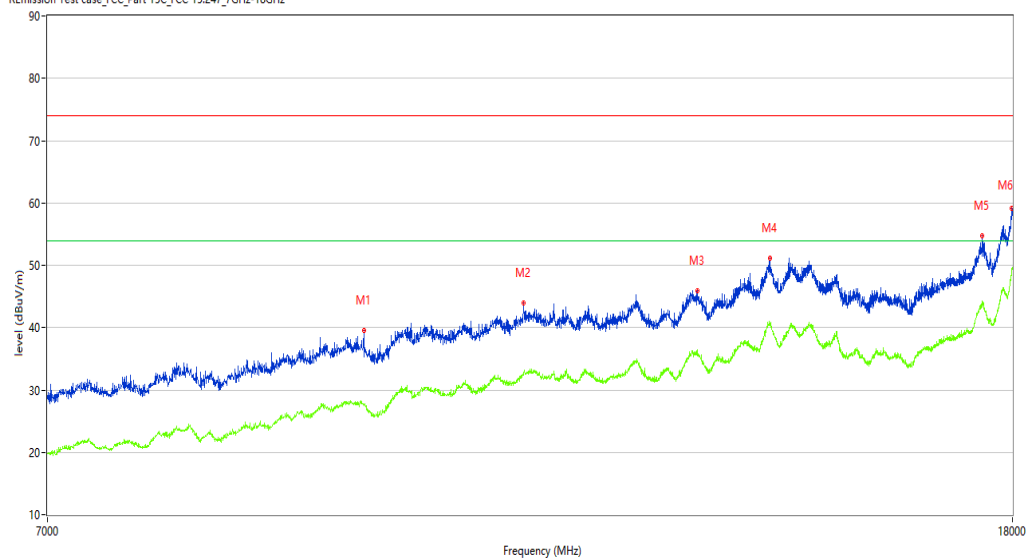
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9543.114	39.50	7.88	74.0	-34.50	Peak	132.60	100	Vertical	Pass
1**	9543.114	27.46	7.88	54.0	-26.54	AV	132.60	100	Vertical	Pass
2	11156.961	43.93	10.91	74.0	-30.07	Peak	325.70	100	Vertical	Pass
2**	11156.961	32.59	10.91	54.0	-21.41	AV	325.70	100	Vertical	Pass
3	13227.193	45.90	14.17	74.0	-28.10	Peak	146.70	100	Vertical	Pass
3**	13227.193	35.56	14.17	54.0	-18.44	AV	146.70	100	Vertical	Pass
4	14197.701	51.08	19.55	74.0	-22.92	Peak	325.70	100	Vertical	Pass
4**	14197.701	40.65	19.55	54.0	-13.35	AV	325.70	100	Vertical	Pass
5	17477.631	54.67	21.40	74.0	-19.33	Peak	68.20	100	Vertical	Pass
5**	17477.631	44.26	21.40	54.0	-9.74	AV	68.20	100	Vertical	Pass
6	17991.752	59.08	27.41	74.0	-14.92	Peak	325.70	100	Vertical	Pass
6**	17991.752	49.02	27.41	54.0	-4.98	AV	325.70	100	Vertical	Pass

WIFI2.4G-B-High channel-Horizontal-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_13.46.57

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

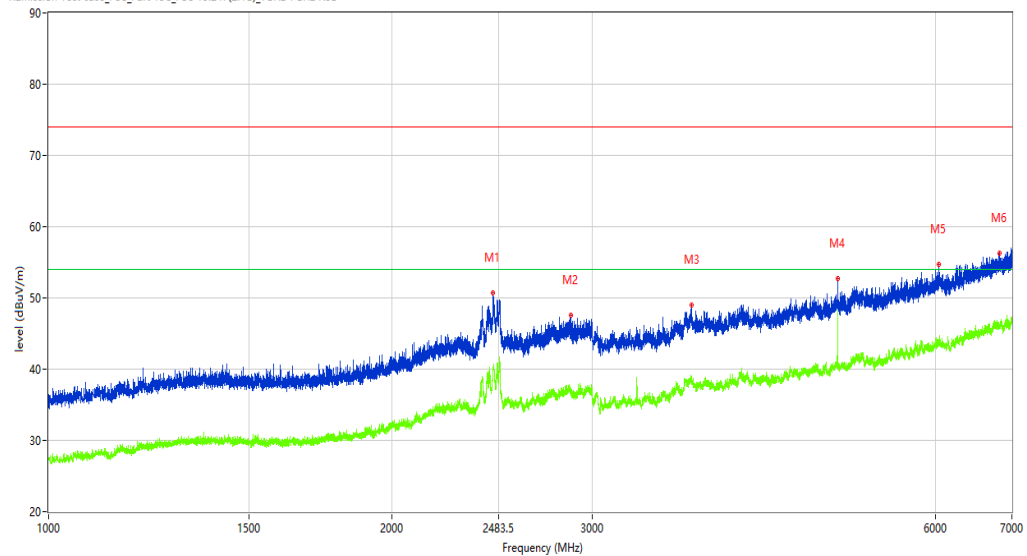
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2455.318	50.65	-2.68	74.0	-23.35	Peak	301.90	100	Horizontal	Pass
1**	2455.318	40.29	-2.68	54.0	-13.71	AV	301.90	100	Horizontal	Pass
2	2870.766	47.58	-3.79	74.0	-26.42	Peak	99.40	100	Horizontal	Pass
2**	2870.766		-3.79	54.0	-17.26	AV	99.40	100	Horizontal	Pass
3	3666.917	49.01	-1.74	74.0	-24.99	Peak	106.60	100	Horizontal	Pass
3**	3666.917	38.22	-1.74	54.0	-15.78	AV	106.60	100	Horizontal	Pass
4	4923.760	52.73	0.16	74.0	-21.27	Peak	164.30	100	Horizontal	Pass
4**	4923.760	48.35	0.16	54.0	-5.65	AV	164.30	100	Horizontal	Pass
5	6040.120	54.68	2.86	74.0	-19.32	Peak	250.70	100	Horizontal	Pass
5**	6040.120	44.00	2.86	54.0	-10.00	AV	250.70	100	Horizontal	Pass
6	6828.021	56.33	5.09	74.0	-17.67	Peak	63.80	100	Horizontal	Pass
6**	6828.021	46.05	5.09	54.0	-7.95	AV	63.80	100	Horizontal	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.09.54

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8061.235	34.99	4.28	74.0	-39.01	Peak	204.70	100	Horizontal	Pass
1**	8061.235	23.77	4.28	54.0	-30.23	AV	204.70	100	Horizontal	Pass
2	9903.274	41.21	9.75	74.0	-32.79	Peak	229.70	100	Horizontal	Pass
2**	9903.274	29.84	9.75	54.0	-24.16	AV	229.70	100	Horizontal	Pass
3	12424.394	45.11	12.38	74.0	-28.89	Peak	165.30	100	Horizontal	Pass
3**	12424.394	34.43	12.38	54.0	-19.57	AV	165.30	100	Horizontal	Pass
4	14189.453	50.43	19.73	74.0	-23.57	Peak	180.90	100	Horizontal	Pass
4**	14189.453	41.33	19.73	54.0	-12.67	AV	180.90	100	Horizontal	Pass
5	17477.631	54.31	21.40	74.0	-19.69	Peak	2.20	100	Horizontal	Pass
5**	17477.631	43.47	21.40	54.0	-10.53	AV	2.20	100	Horizontal	Pass
6	18000.000	58.85	27.92	74.0	-15.15	Peak	58.50	100	Horizontal	Pass
6**	18000.000	49.19	27.92	54.0	-4.81	AV	58.50	100	Horizontal	Pass

WIFI2.4G-B-High channel-Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_11.54.11

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

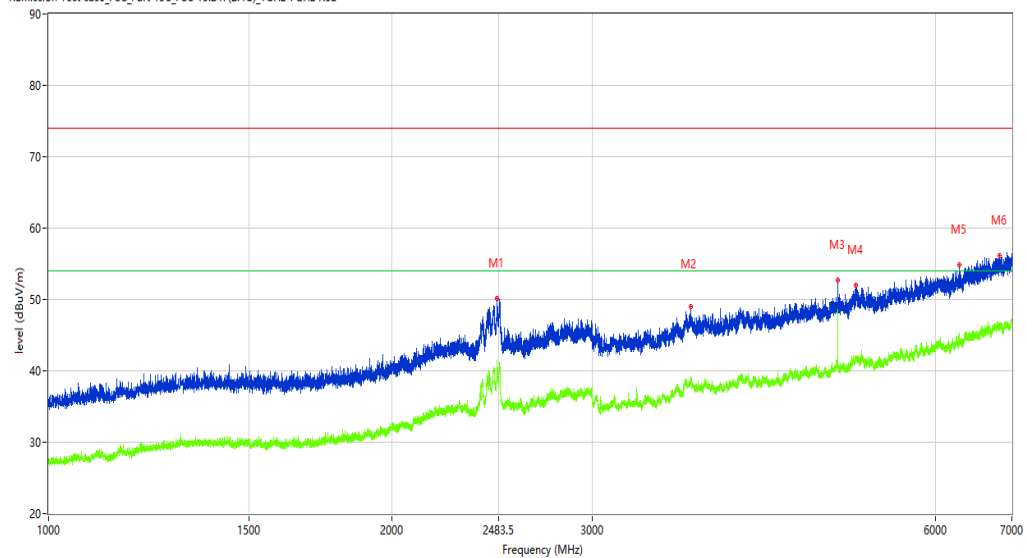
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2475.066	50.19	-2.14	74.0	-23.81	Peak	26.10	100	Vertical	Pass
1**	2475.066	40.62	-2.14	54.0	-13.38	AV	26.10	100	Vertical	Pass
2	3659.918	49.03	-1.62	74.0	-24.97	Peak	337.50	100	Vertical	Pass
2**	3659.918	39.32	-1.62	54.0	-14.68	AV	337.50	100	Vertical	Pass
3	4923.260	52.65	0.16	74.0	-21.35	Peak	260.50	100	Vertical	Pass
3**	4923.260	47.37	0.16	54.0	-6.63	AV	260.50	100	Vertical	Pass
4	5109.236	51.98	1.30	74.0	-22.02	Peak	110.10	100	Vertical	Pass
4**	5109.236	41.69	1.30	54.0	-12.31	AV	110.10	100	Vertical	Pass
5	6299.088	54.85	3.38	74.0	-19.15	Peak	12.60	100	Vertical	Pass
5**	6299.088	43.72	3.38	54.0	-10.28	AV	12.60	100	Vertical	Pass
6	6833.521	56.19	5.08	74.0	-17.81	Peak	235.90	100	Vertical	Pass
6**	6833.521	46.16	5.08	54.0	-7.84	AV	235.90	100	Vertical	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.29.43

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

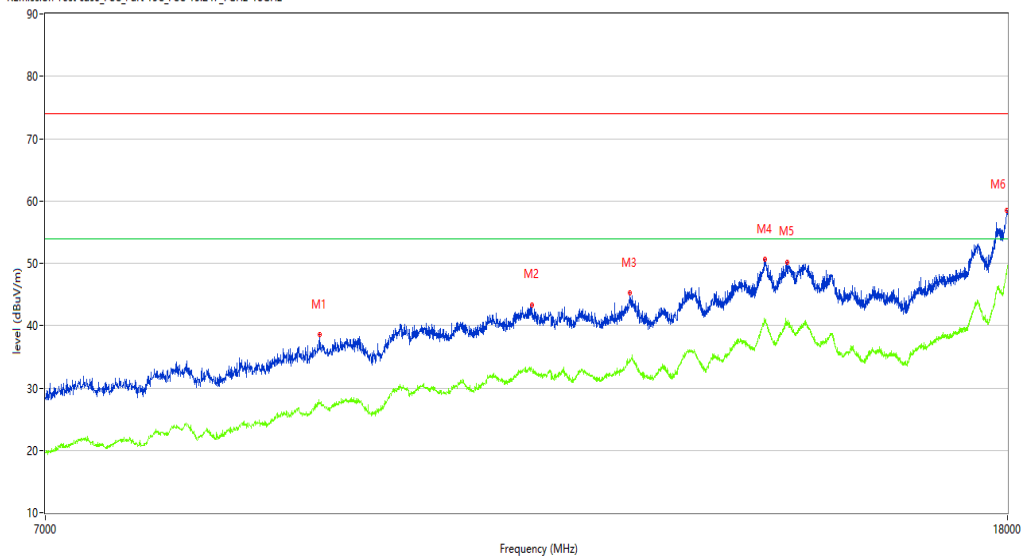
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9166.458	38.54	7.33	74.0	-35.46	Peak	61.50	100	Vertical	Pass
1**	9166.458	27.64	7.33	54.0	-26.36	AV	61.50	100	Vertical	Pass
2	11286.178	43.33	12.36	74.0	-30.67	Peak	304.90	100	Vertical	Pass
2**	11286.178	32.87	12.36	54.0	-21.13	AV	304.90	100	Vertical	Pass
3	12427.143	45.21	12.39	74.0	-28.79	Peak	135.60	100	Vertical	Pass
3**	12427.143	34.11	12.39	54.0	-19.89	AV	135.60	100	Vertical	Pass
4	14189.453	50.60	19.73	74.0	-23.40	Peak	164.60	100	Vertical	Pass
4**	14189.453	40.92	19.73	54.0	-13.08	AV	164.60	100	Vertical	Pass
5	14502.874	50.23	17.69	74.0	-23.77	Peak	194.40	100	Vertical	Pass
5**	14502.874	40.47	17.69	54.0	-13.53	AV	194.40	100	Vertical	Pass
6	17991.752	58.53	27.41	74.0	-15.47	Peak	184.30	100	Vertical	Pass
6**	17991.752	48.84	27.41	54.0	-5.16	AV	184.30	100	Vertical	Pass

WIFI2.4G-G-Low channel-Horizontal-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_13.54.42

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

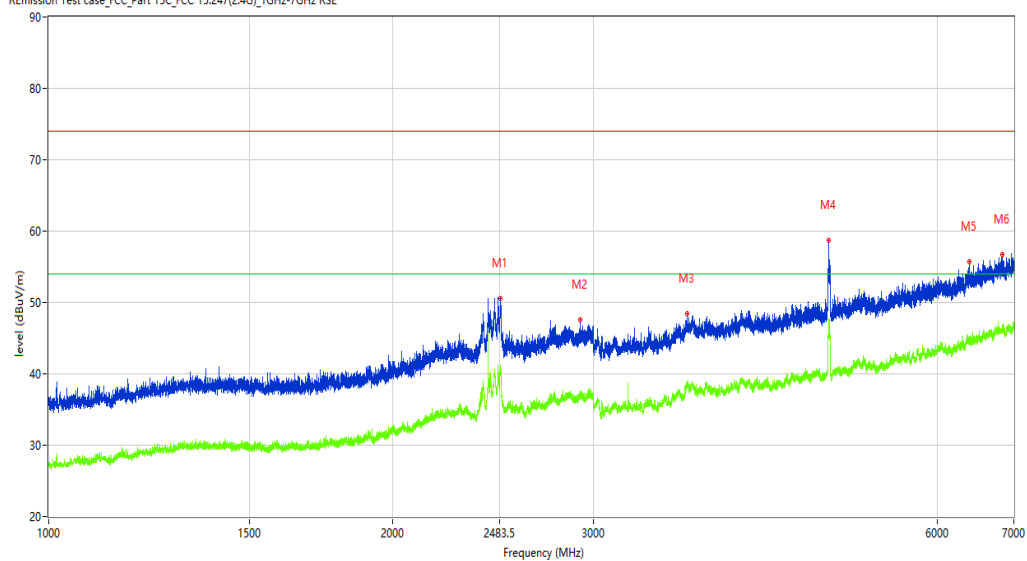
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2485.814	50.61	-1.91	74.0	-23.39	Peak	301.50	100	Horizontal	Pass
1**	2485.814	40.58	-1.91	54.0	-13.42	AV	301.50	100	Horizontal	Pass
2	2918.760	47.55	-4.11	74.0	-26.45	Peak	225.20	100	Horizontal	Pass
2**	2918.760	37.18	-4.11	54.0	-16.82	AV	225.20	100	Horizontal	Pass
3	3622.422	48.40	-1.64	74.0	-25.60	Peak	186.30	100	Horizontal	Pass
3**	3622.422	38.54	-1.64	54.0	-15.46	AV	186.30	100	Horizontal	Pass
4	4819.773	58.70	-0.40	74.0	-15.30	Peak	166.60	100	Horizontal	Pass
4**	4819.773	47.17	-0.40	54.0	-6.83	AV	166.60	100	Horizontal	Pass
5	6402.075	55.72	3.71	74.0	-18.28	Peak	66.50	100	Horizontal	Pass
5**	6402.075	45.01	3.71	54.0	-8.99	AV	66.50	100	Horizontal	Pass
6	6842.520	56.66	5.06	74.0	-17.34	Peak	324.00	100	Horizontal	Pass
6**	6842.520	45.95	5.06	54.0	-8.05	AV	324.00	100	Horizontal	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.01.02

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9353.412	38.79	7.52	74.0	-35.21	Peak	359.60	100	Horizontal	Pass
1**	9353.412	27.57	7.52	54.0	-26.43	AV	359.60	100	Horizontal	Pass
2	11478.630	44.22	11.83	74.0	-29.78	Peak	248.60	100	Horizontal	Pass
2**	11478.630	32.97	11.83	54.0	-21.03	AV	248.60	100	Horizontal	Pass
3	12454.636	44.79	12.52	74.0	-29.21	Peak	301.80	100	Horizontal	Pass
3**	12454.636	34.40	12.52	54.0	-19.60	AV	301.80	100	Horizontal	Pass
4	14216.946	50.78	19.11	74.0	-23.22	Peak	344.60	100	Horizontal	Pass
4**	14216.946	39.97	19.11	54.0	-14.03	AV	344.60	100	Horizontal	Pass
5	17480.380	54.69	21.45	74.0	-19.31	Peak	186.10	100	Horizontal	Pass
5**	17480.380	44.16	21.45	54.0	-9.84	AV	186.10	100	Horizontal	Pass
6	17986.253	58.64	27.07	74.0	-15.36	Peak	172.20	100	Horizontal	Pass
6**	17986.253	48.63	27.07	54.0	-5.37	AV	172.20	100	Horizontal	Pass

WIFI2.4G-G-Low channel-Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.03.13

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

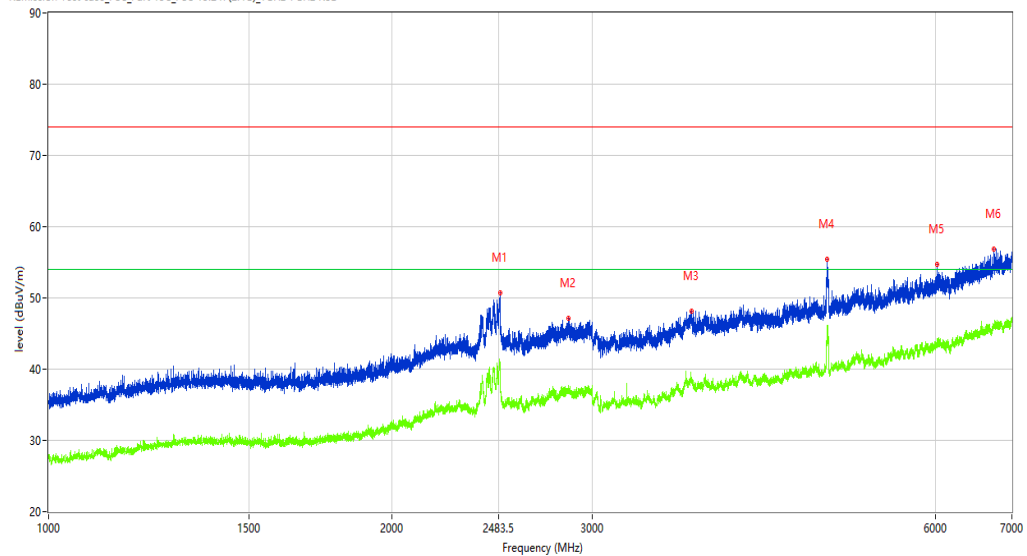
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2488.314	50.66	-1.88	74.0	-23.34	Peak	204.10	100	Vertical	Pass
1**	2488.314	40.99	-1.88	54.0	-13.01	AV	204.10	100	Vertical	Pass
2	2857.268	47.19	-3.83	74.0	-26.81	Peak	248.10	100	Vertical	Pass
2**	2857.268	37.26	-3.83	54.0	-16.74	AV	248.10	100	Vertical	Pass
3	3664.917	48.20	-1.70	74.0	-25.80	Peak	271.50	100	Vertical	Pass
3**	3664.917	38.51	-1.70	54.0	-15.49	AV	271.50	100	Vertical	Pass
4	4820.272	55.39	-0.39	74.0	-18.61	Peak	251.00	100	Vertical	Pass
4**	4820.272	45.75	-0.39	54.0	-8.25	AV	251.00	100	Vertical	Pass
5	6015.623	54.64	2.80	74.0	-19.36	Peak	37.40	100	Vertical	Pass
5**	6015.623	43.23	2.80	54.0	-10.77	AV	37.40	100	Vertical	Pass
6	6747.532	56.89	4.83	74.0	-17.11	Peak	67.90	100	Vertical	Pass
6**	6747.532	46.20	4.83	54.0	-7.80	AV	67.90	100	Vertical	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.20.44

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

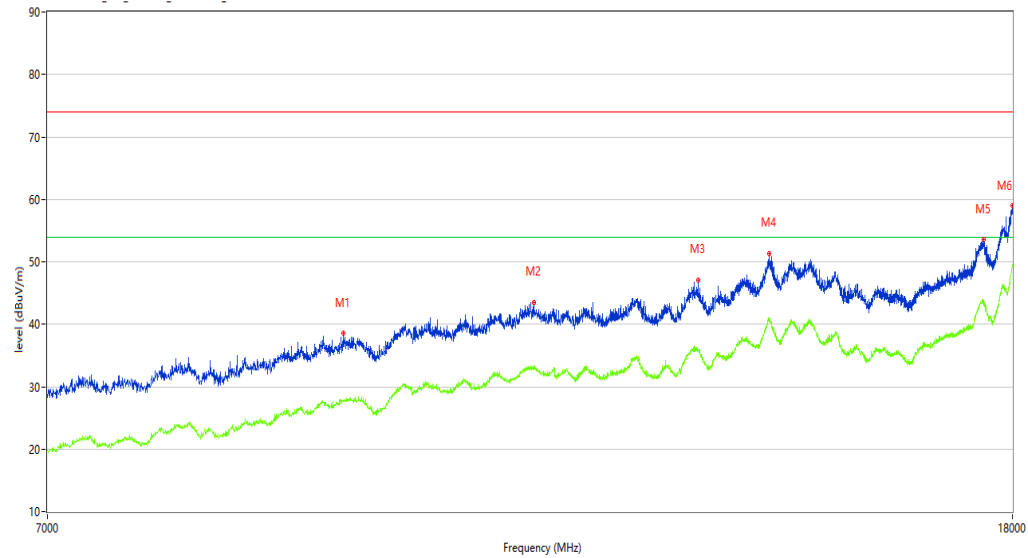
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247.7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9347.913	38.51	7.49	74.0	-35.49	Peak	292.90	100	Vertical	Pass
1**	9347.913	27.77	7.49	54.0	-26.23	AV	292.90	100	Vertical	Pass
2	11266.933	43.49	12.11	74.0	-30.51	Peak	288.10	100	Vertical	Pass
2**	11266.933	33.19	12.11	54.0	-20.81	AV	288.10	100	Vertical	Pass
3	13232.692	47.05	14.19	74.0	-26.95	Peak	35.80	100	Vertical	Pass
3**	13232.692	35.77	14.19	54.0	-18.23	AV	35.80	100	Vertical	Pass
4	14189.453	51.29	19.73	74.0	-22.71	Peak	259.80	100	Vertical	Pass
4**	14189.453	41.06	19.73	54.0	-12.94	AV	259.80	100	Vertical	Pass
5	17502.374	53.57	21.14	74.0	-20.43	Peak	79.70	100	Vertical	Pass
5**	17502.374	43.28	21.14	54.0	-10.72	AV	79.70	100	Vertical	Pass
6	17994.501	58.91	27.58	74.0	-15.09	Peak	93.90	100	Vertical	Pass
6**	17994.501	49.16	27.58	54.0	-4.84	AV	93.90	100	Vertical	Pass

WIFI2.4G-G-Middle channel-Horizontal-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.17.13

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

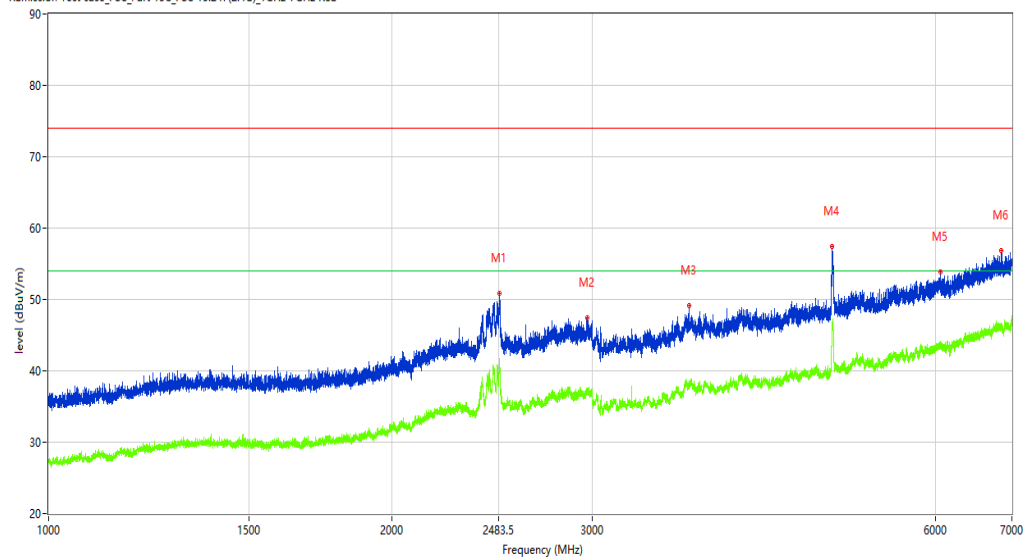
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2486.314	50.88	-1.91	74.0	-23.12	Peak	185.40	100	Horizontal	Pass
1**	2486.314	41.65	-1.91	54.0	-12.35	AV	185.40	100	Horizontal	Pass
2	2968.254	47.42	-3.31	74.0	-26.58	Peak	272.40	100	Horizontal	Pass
2**	2968.254	37.60	-3.31	54.0	-16.40	AV	272.40	100	Horizontal	Pass
3	3647.919	49.19	-1.55	74.0	-24.81	Peak	31.60	100	Horizontal	Pass
3**	3647.919	38.59	-1.55	54.0	-15.41	AV	31.60	100	Horizontal	Pass
4	4870.266	57.46	0.05	74.0	-16.54	Peak	173.30	100	Horizontal	Pass
4**	4870.266	46.05	0.05	54.0	-7.95	AV	173.30	100	Horizontal	Pass
5	6055.118	53.82	2.86	74.0	-20.18	Peak	183.00	100	Horizontal	Pass
5**	6055.118	43.74	2.86	54.0	-10.26	AV	183.00	100	Horizontal	Pass
6	6856.018	56.87	5.05	74.0	-17.13	Peak	0.00	100	Horizontal	Pass
6**	6856.018	46.20	5.05	54.0	-7.80	AV	0.00	100	Horizontal	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.06.57

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

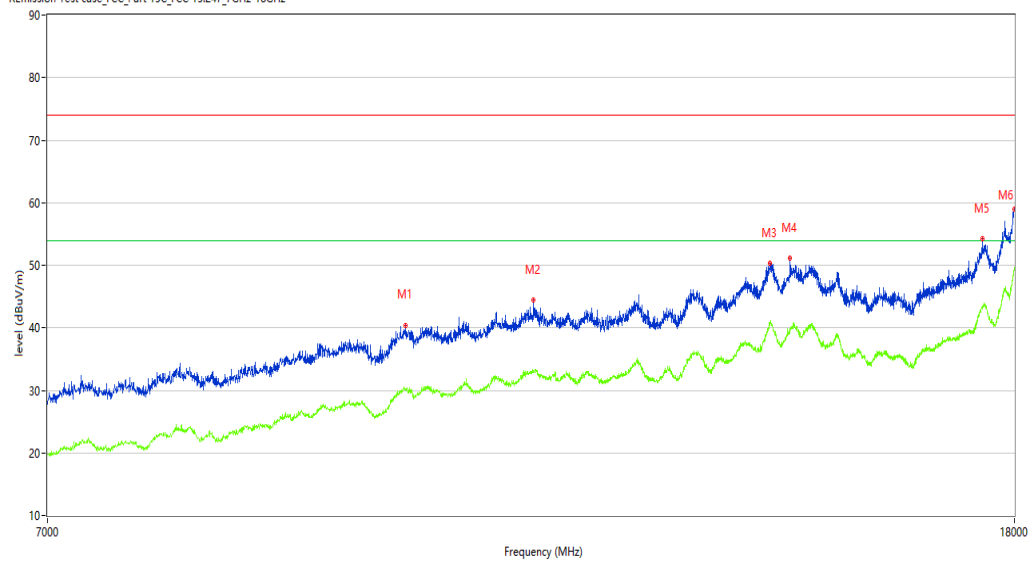
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247.7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9933.517	40.36	9.81	74.0	-33.64	Peak	225.30	100	Horizontal	Pass
1**	9933.517	30.21	9.81	54.0	-23.79	AV	225.30	100	Horizontal	Pass
2	11253.187	44.38	11.94	74.0	-29.62	Peak	331.00	100	Horizontal	Pass
2**	11253.187	33.17	11.94	54.0	-20.83	AV	331.00	100	Horizontal	Pass
3	14170.207	50.28	19.20	74.0	-23.72	Peak	69.80	100	Horizontal	Pass
3**	14170.207	40.50	19.20	54.0	-13.50	AV	69.80	100	Horizontal	Pass
4	14456.136	51.06	17.66	74.0	-22.94	Peak	49.70	100	Horizontal	Pass
4**	14456.136	39.37	17.66	54.0	-14.63	AV	49.70	100	Horizontal	Pass
5	17450.137	54.22	20.88	74.0	-19.78	Peak	296.80	100	Horizontal	Pass
5**	17450.137	43.52	20.88	54.0	-10.48	AV	296.80	100	Horizontal	Pass
6	18000.000	58.94	27.92	74.0	-15.06	Peak	21.10	100	Horizontal	Pass
6**	18000.000	49.60	27.92	54.0	-4.40	AV	21.10	100	Horizontal	Pass

WIFI2.4G-G-Middle channel-Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.08.19

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

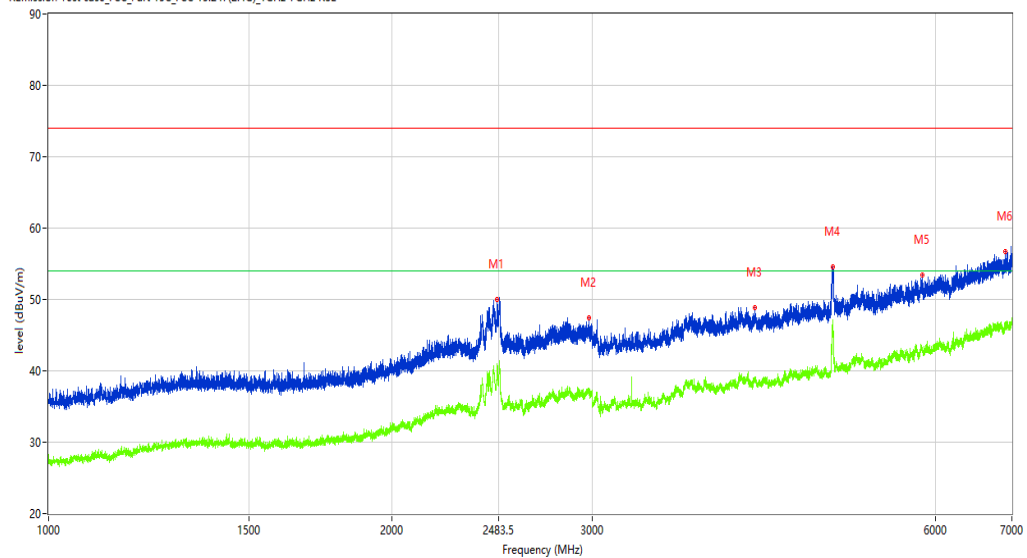
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2474.316	49.98	-2.16	74.0	-24.02	Peak	356.80	100	Vertical	Pass
1**	2474.316	40.97	-2.16	54.0	-13.03	AV	356.80	100	Vertical	Pass
2	2977.503	47.42	-3.23	74.0	-26.58	Peak	189.10	100	Vertical	Pass
2**	2977.503	37.25	-3.23	54.0	-16.75	AV	189.10	100	Vertical	Pass
3	4164.354	48.86	-1.38	74.0	-25.14	Peak	175.50	100	Vertical	Pass
3**	4164.354	38.91	-1.38	54.0	-15.09	AV	175.50	100	Vertical	Pass
4	4873.766	54.59	0.05	74.0	-19.41	Peak	136.00	100	Vertical	Pass
4**	4873.766	46.11	0.05	54.0	-7.89	AV	136.00	100	Vertical	Pass
5	5844.644	53.44	2.31	74.0	-20.56	Peak	356.10	100	Vertical	Pass
5**	5844.644	42.79	2.31	54.0	-11.21	AV	356.10	100	Vertical	Pass
6	6909.011	56.69	5.08	74.0	-17.31	Peak	358.00	100	Vertical	Pass
6**	6909.011	46.07	5.08	54.0	-7.93	AV	358.00	100	Vertical	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.27.54

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

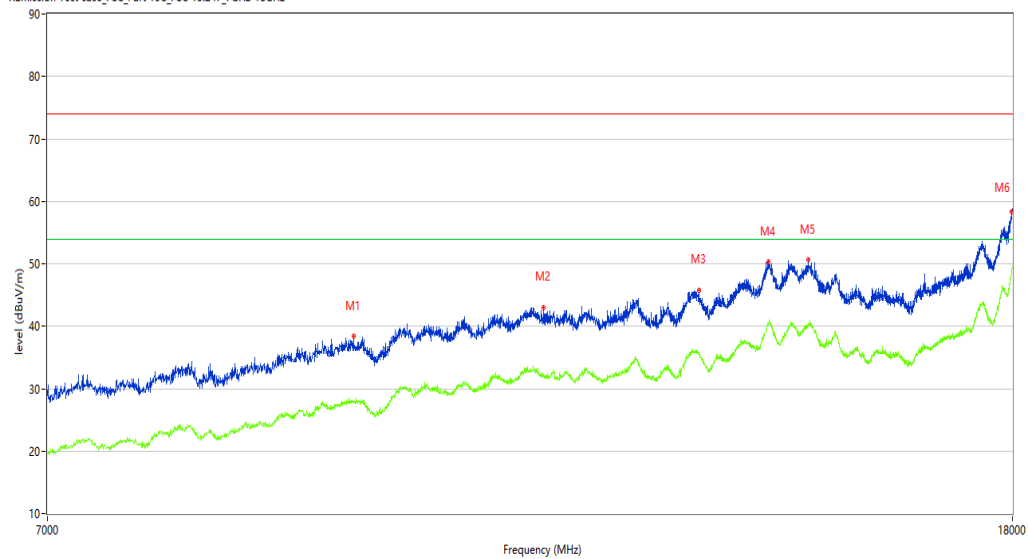
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9446.888	38.33	7.65	74.0	-35.67	Peak	278.80	100	Vertical	Pass
1**	9446.888	27.98	7.65	54.0	-26.02	AV	278.80	100	Vertical	Pass
2	11376.906	42.99	11.76	74.0	-31.01	Peak	283.60	100	Vertical	Pass
2**	11376.906	32.18	11.76	54.0	-21.82	AV	283.60	100	Vertical	Pass
3	13240.940	45.74	14.10	74.0	-28.26	Peak	336.50	100	Vertical	Pass
3**	13240.940	35.46	14.10	54.0	-18.54	AV	336.50	100	Vertical	Pass
4	14170.207	50.27	19.20	74.0	-23.73	Peak	9.40	100	Vertical	Pass
4**	14170.207	40.15	19.20	54.0	-13.85	AV	9.40	100	Vertical	Pass
5	14742.064	50.63	18.62	74.0	-23.37	Peak	288.90	100	Vertical	Pass
5**	14742.064	40.29	18.62	54.0	-13.71	AV	288.90	100	Vertical	Pass
6	17991.752	58.41	27.41	74.0	-15.59	Peak	96.10	100	Vertical	Pass
6**	17991.752	49.05	27.41	54.0	-4.95	AV	96.10	100	Vertical	Pass

WIFI2.4G-G-High channel-Horizontal-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.21.34

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

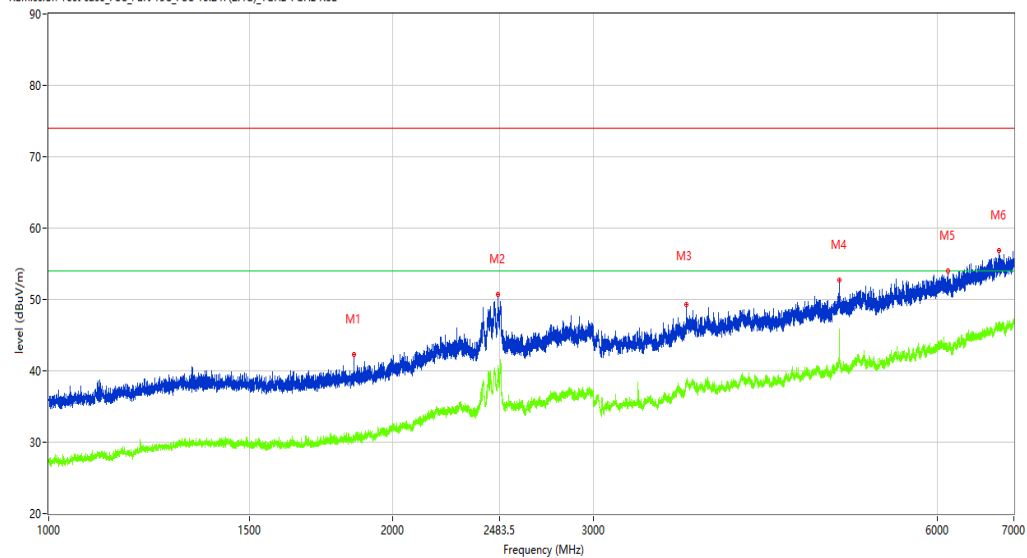
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1851.644	42.22	-12.28	74.0	-31.78	Peak	317.90	100	Horizontal	Pass
1**	1851.644	30.61	-12.28	54.0	-23.39	AV	317.90	100	Horizontal	Pass
2	2475.566	50.71	-2.12	74.0	-23.29	Peak	48.50	100	Horizontal	Pass
2**	2475.566	40.67	-2.12	54.0	-13.33	AV	48.50	100	Horizontal	Pass
3	3614.923	49.34	-1.85	74.0	-24.66	Peak	18.50	100	Horizontal	Pass
3**	3614.923	37.75	-1.85	54.0	-16.25	AV	18.50	100	Horizontal	Pass
4	4923.760	52.65	0.16	74.0	-21.35	Peak	66.90	100	Horizontal	Pass
4**	4923.760	45.80	0.16	54.0	-8.20	AV	66.90	100	Horizontal	Pass
5	6129.609	53.98	2.44	74.0	-20.02	Peak	259.30	100	Horizontal	Pass
5**	6129.609	43.26	2.44	54.0	-10.74	AV	259.30	100	Horizontal	Pass
6	6799.025	56.81	5.16	74.0	-17.19	Peak	27.80	100	Horizontal	Pass
6**	6799.025	46.25	5.16	54.0	-7.75	AV	27.80	100	Horizontal	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.11.21

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

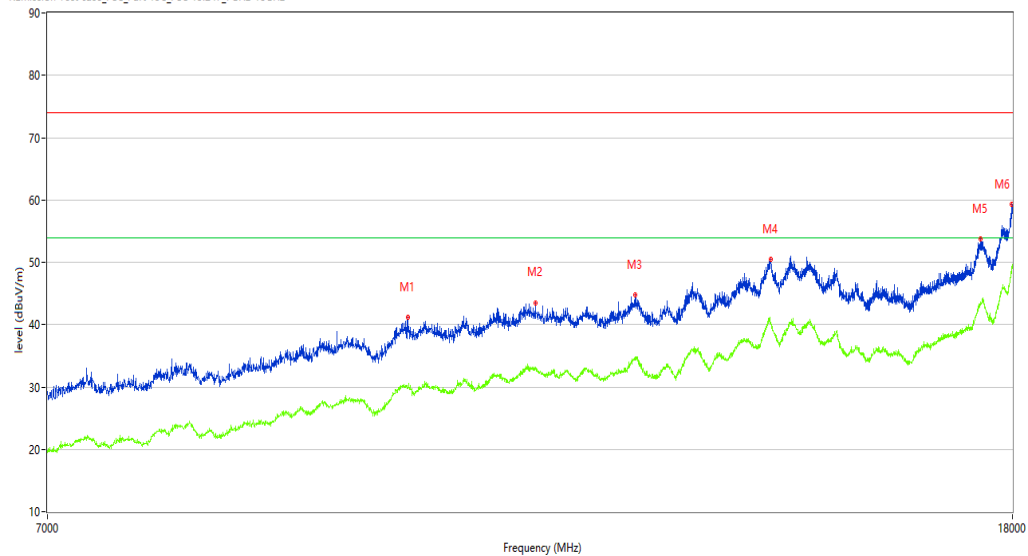
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9958.260	41.14	9.62	74.0	-32.86	Peak	133.30	100	Horizontal	Pass
1**	9958.260	29.85	9.62	54.0	-24.15	AV	133.30	100	Horizontal	Pass
2	11286.178	43.50	12.36	74.0	-30.50	Peak	76.00	100	Horizontal	Pass
2**	11286.178	32.94	12.36	54.0	-21.06	AV	76.00	100	Horizontal	Pass
3	12446.388	44.70	12.49	74.0	-29.30	Peak	217.00	100	Horizontal	Pass
3**	12446.388	34.35	12.49	54.0	-19.65	AV	217.00	100	Horizontal	Pass
4	14214.196	50.44	19.17	74.0	-23.56	Peak	327.60	100	Horizontal	Pass
4**	14214.196	40.01	19.17	54.0	-13.99	AV	327.60	100	Horizontal	Pass
5	17452.887	53.83	20.93	74.0	-20.17	Peak	318.30	100	Horizontal	Pass
5**	17452.887	43.55	20.93	54.0	-10.45	AV	318.30	100	Horizontal	Pass
6	17986.253	59.26	27.07	74.0	-14.74	Peak	4.70	100	Horizontal	Pass
6**	17986.253	49.14	27.07	54.0	-4.86	AV	4.70	100	Horizontal	Pass

WIFI2.4G-G-High channel-Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.39.08

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

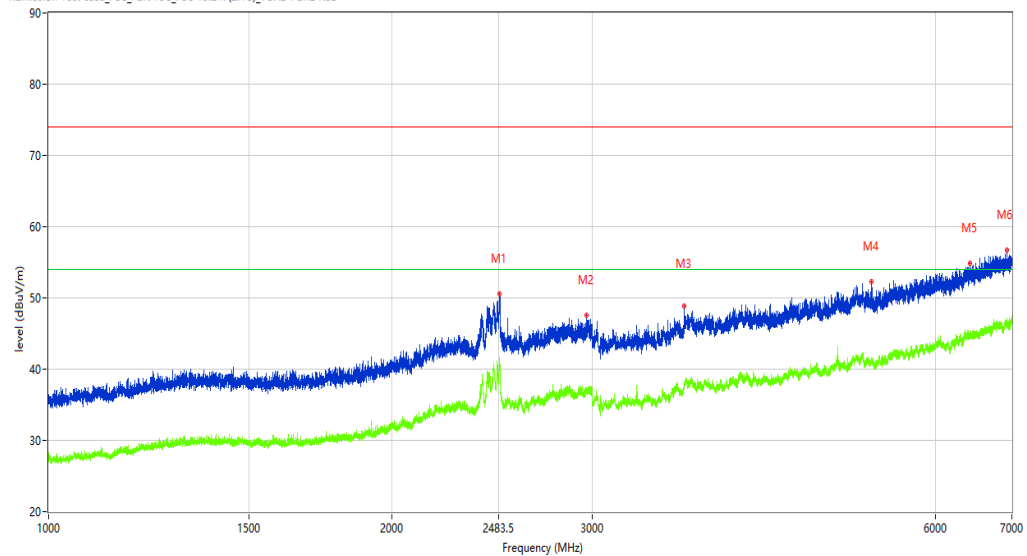
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2486.564	50.50	-1.90	74.0	-23.50	Peak	184.30	100	Vertical	Pass
1**	2486.564	41.26	-1.90	54.0	-12.74	AV	184.30	100	Vertical	Pass
2	2964.254	47.58	-3.37	74.0	-26.42	Peak	174.20	100	Vertical	Pass
2**	2964.254	36.54	-3.37	54.0	-17.46	AV	174.20	100	Vertical	Pass
3	3613.423	48.84	-1.89	74.0	-25.16	Peak	41.60	100	Vertical	Pass
3**	3613.423	38.13	-1.89	54.0	-15.87	AV	41.60	100	Vertical	Pass
4	5275.216	52.28	0.68	74.0	-21.72	Peak	81.80	100	Vertical	Pass
4**	5275.216	41.59	0.68	54.0	-12.41	AV	81.80	100	Vertical	Pass
5	6429.071	54.81	3.82	74.0	-19.19	Peak	135.40	100	Vertical	Pass
5**	6429.071	44.72	3.82	54.0	-9.28	AV	135.40	100	Vertical	Pass
6	6935.008	56.79	5.12	74.0	-17.21	Peak	4.30	100	Vertical	Pass
6**	6935.008	46.65	5.12	54.0	-7.35	AV	4.30	100	Vertical	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.23.56

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

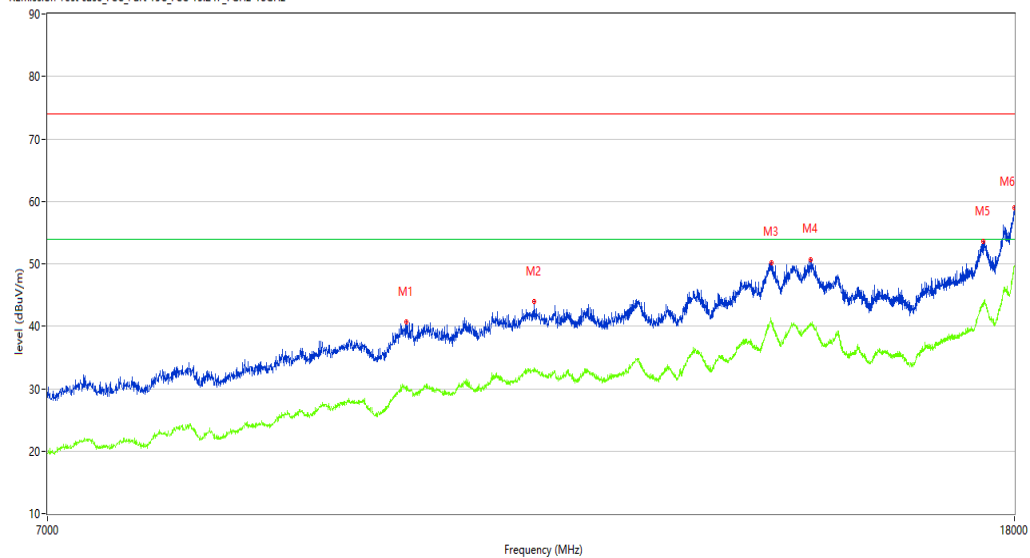
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9941.765	40.63	9.75	74.0	-33.37	Peak	210.30	100	Vertical	Pass
1**	9941.765	29.64	9.75	54.0	-24.36	AV	210.30	100	Vertical	Pass
2	11264.184	43.89	12.08	74.0	-30.11	Peak	357.60	100	Vertical	Pass
2**	11264.184	32.74	12.08	54.0	-21.26	AV	357.60	100	Vertical	Pass
3	14194.951	50.22	19.61	74.0	-23.78	Peak	239.70	100	Vertical	Pass
3**	14194.951	40.67	19.61	54.0	-13.33	AV	239.70	100	Vertical	Pass
4	14747.563	50.68	18.69	74.0	-23.32	Peak	351.70	100	Vertical	Pass
4**	14747.563	40.38	18.69	54.0	-13.62	AV	351.70	100	Vertical	Pass
5	17461.135	53.53	21.08	74.0	-20.47	Peak	307.80	100	Vertical	Pass
5**	17461.135	43.49	21.08	54.0	-10.51	AV	307.80	100	Vertical	Pass
6	18000.000	58.92	27.92	74.0	-15.08	Peak	332.00	100	Vertical	Pass
6**	18000.000	49.74	27.92	54.0	-4.26	AV	332.00	100	Vertical	Pass

WIFI2.4G-N-Low channel-Horizontal-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_17.18.03

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

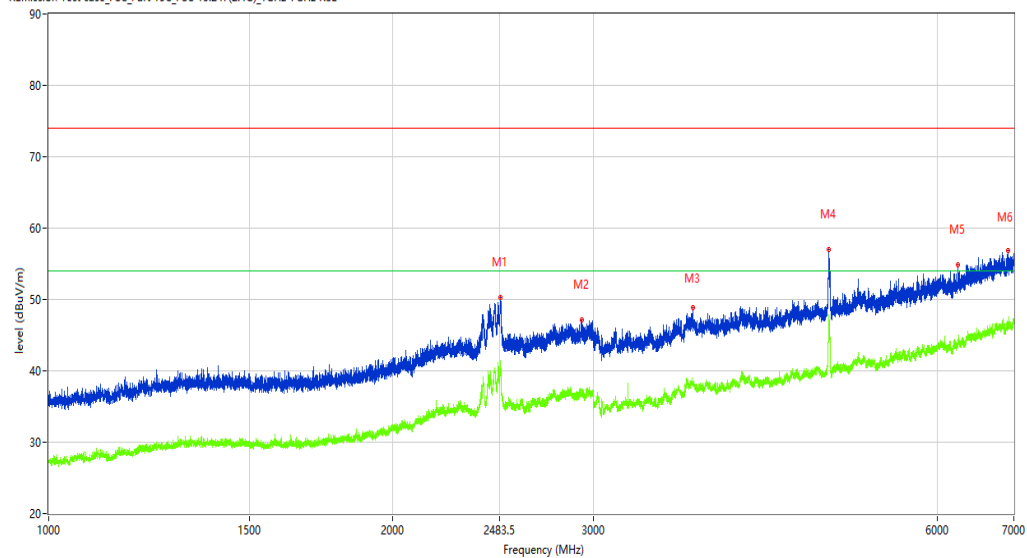
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2484.564	50.24	-1.93	74.0	-23.76	Peak	239.00	100	Horizontal	Pass
1**	2484.564	40.04	-1.93	54.0	-13.96	AV	239.00	100	Horizontal	Pass
2	2927.759	47.17	-4.30	74.0	-26.83	Peak	153.40	100	Horizontal	Pass
2**	2927.759	36.61	-4.30	54.0	-17.39	AV	153.40	100	Horizontal	Pass
3	3667.417	48.87	-1.75	74.0	-25.13	Peak	20.40	100	Horizontal	Pass
3**	3667.417	38.08	-1.75	54.0	-15.92	AV	20.40	100	Horizontal	Pass
4	4818.273	57.06	-0.43	74.0	-16.94	Peak	192.70	100	Horizontal	Pass
4**	4818.273	45.23	-0.43	54.0	-8.77	AV	192.70	100	Horizontal	Pass
5	6254.593	54.80	2.91	74.0	-19.20	Peak	358.70	100	Horizontal	Pass
5**	6254.593	44.43	2.91	54.0	-9.57	AV	358.70	100	Horizontal	Pass
6	6917.010	56.84	5.07	74.0	-17.16	Peak	285.70	100	Horizontal	Pass
6**	6917.010	46.16	5.07	54.0	-7.84	AV	285.70	100	Horizontal	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.04.15

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247.7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9941.765	41.19	9.75	74.0	-32.81	Peak	285.40	100	Horizontal	Pass
1**	9941.765	30.24	9.75	54.0	-23.76	AV	285.40	100	Horizontal	Pass
2	11154.211	44.03	10.89	74.0	-29.97	Peak	73.80	100	Horizontal	Pass
2**	11154.211	32.59	10.89	54.0	-21.41	AV	73.80	100	Horizontal	Pass
3	14192.202	51.04	19.67	74.0	-22.96	Peak	280.60	100	Horizontal	Pass
3**	14192.202	41.14	19.67	54.0	-12.86	AV	280.60	100	Horizontal	Pass
4	14766.808	50.17	18.82	74.0	-23.83	Peak	223.90	100	Horizontal	Pass
4**	14766.808	40.44	18.82	54.0	-13.56	AV	223.90	100	Horizontal	Pass
5	17461.135	53.50	21.08	74.0	-20.50	Peak	64.50	100	Horizontal	Pass
5**	17461.135	43.37	21.08	54.0	-10.63	AV	64.50	100	Horizontal	Pass
6	17991.752	58.84	27.41	74.0	-15.16	Peak	59.70	100	Horizontal	Pass
6**	17991.752	49.56	27.41	54.0	-4.44	AV	59.70	100	Horizontal	Pass

WIFI2.4G-N-Low channel-Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_17.00.09

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

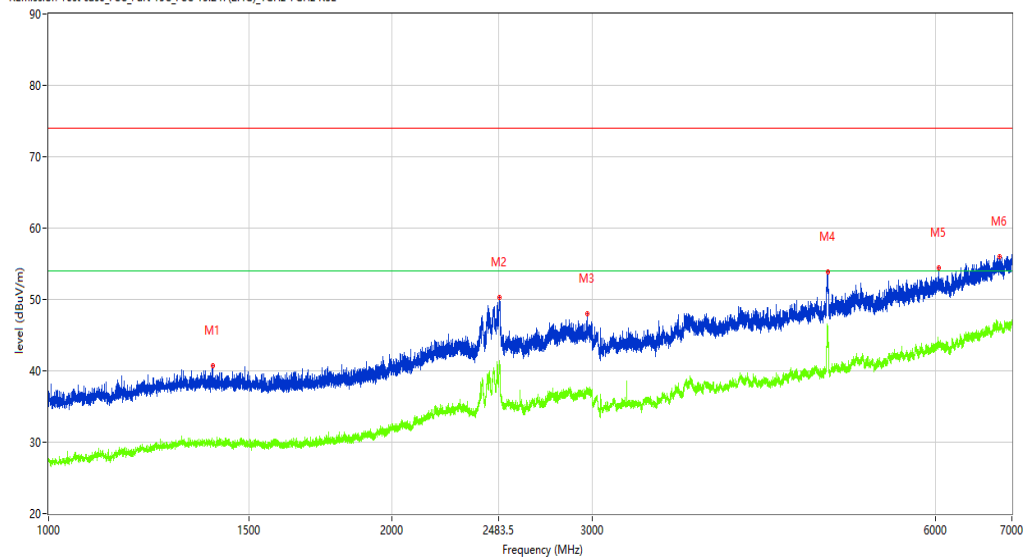
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1394.201	40.78	-12.74	74.0	-33.22	Peak	329.70	100	Vertical	Pass
1**	1394.201	29.63	-12.74	54.0	-24.37	AV	329.70	100	Vertical	Pass
2	2485.814	50.35	-1.91	74.0	-23.65	Peak	128.00	100	Vertical	Pass
2**	2485.814	41.08	-1.91	54.0	-12.92	AV	128.00	100	Vertical	Pass
3	2969.254	47.99	-3.30	74.0	-26.01	Peak	320.10	100	Vertical	Pass
3**	2969.254	37.26	-3.30	54.0	-16.74	AV	320.10	100	Vertical	Pass
4	4827.272	53.92	-0.28	74.0	-20.08	Peak	317.00	100	Vertical	Pass
4**	4827.272	46.27	-0.28	54.0	-7.73	AV	317.00	100	Vertical	Pass
5	6041.120	54.45	2.86	74.0	-19.55	Peak	123.90	100	Vertical	Pass
5**	6041.120	43.64	2.86	54.0	-10.36	AV	123.90	100	Vertical	Pass
6	6825.022	56.04	5.10	74.0	-17.96	Peak	164.10	100	Vertical	Pass
6**	6825.022	45.77	5.10	54.0	-8.23	AV	164.10	100	Vertical	Pass

Test result

Project Number: 1744444

Test Time: 2022-04-29_15.16.41

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

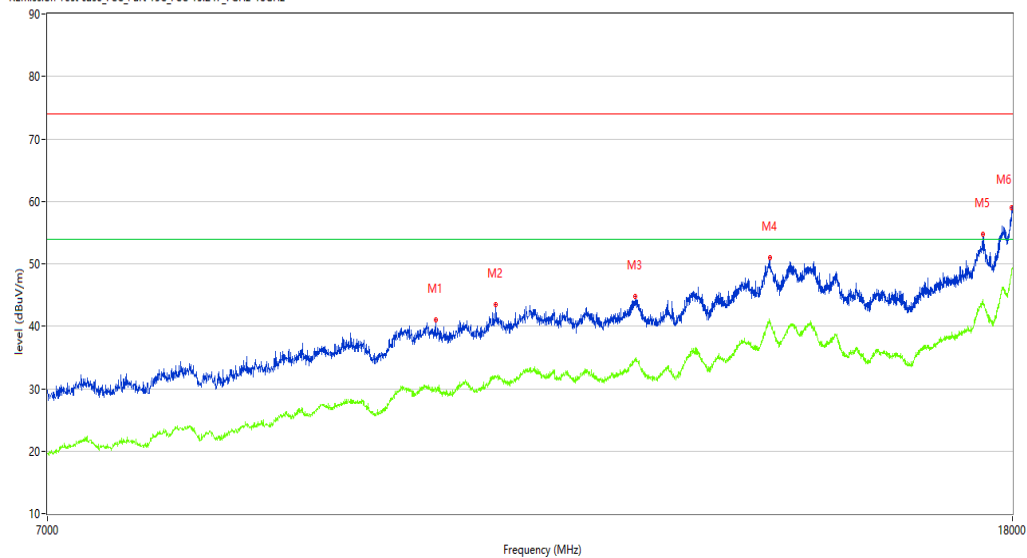
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247.7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	10235.941	41.03	9.23	74.0	-32.97	Peak	82.70	100	Vertical	Pass
1**	10235.941	30.04	9.23	54.0	-23.96	AV	82.70	100	Vertical	Pass
2	10857.286	43.50	11.12	74.0	-30.50	Peak	161.60	100	Vertical	Pass
2**	10857.286	31.92	11.12	54.0	-22.08	AV	161.60	100	Vertical	Pass
3	12443.639	44.76	12.47	74.0	-29.24	Peak	82.70	100	Vertical	Pass
3**	12443.639	34.50	12.47	54.0	-19.50	AV	82.70	100	Vertical	Pass
4	14197.701	51.00	19.55	74.0	-23.00	Peak	112.80	100	Vertical	Pass
4**	14197.701	40.45	19.55	54.0	-13.55	AV	112.80	100	Vertical	Pass
5	17494.126	54.81	21.33	74.0	-19.19	Peak	223.70	100	Vertical	Pass
5**	17494.126	43.45	21.33	54.0	-10.55	AV	223.70	100	Vertical	Pass
6	17991.752	58.92	27.41	74.0	-15.08	Peak	176.10	100	Vertical	Pass
6**	17991.752	48.94	27.41	54.0	-5.06	AV	176.10	100	Vertical	Pass

WIFI2.4G-N-Middle channel-Horizontal-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_15.04.11

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

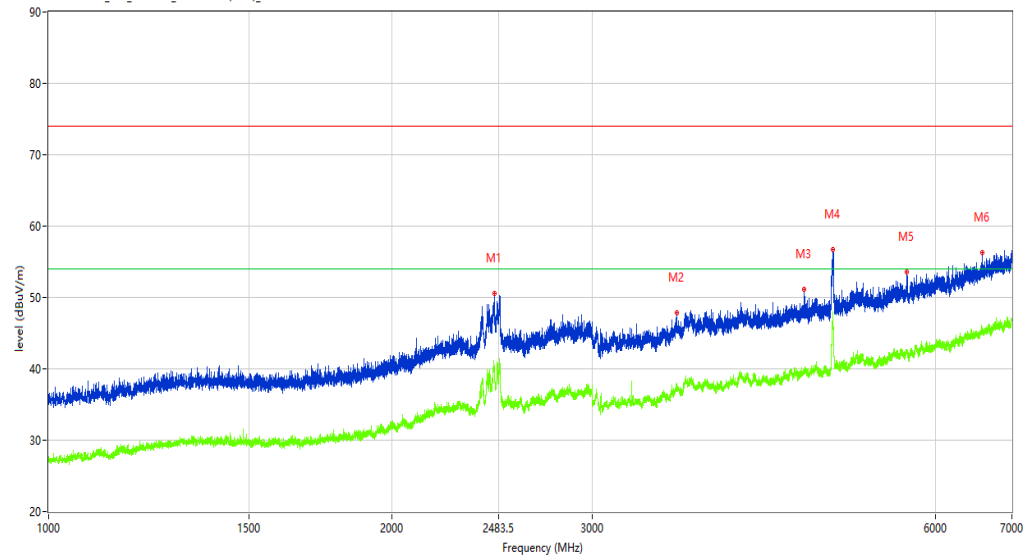
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2460.317	50.60	-2.53	74.0	-23.40	Peak	238.60	100	Horizontal	Pass
1**	2460.317	39.86	-2.53	54.0	-14.14	AV	238.60	100	Horizontal	Pass
2	3555.431	47.80	-1.96	74.0	-26.20	Peak	75.10	100	Horizontal	Pass
2**	3555.431	37.19	-1.96	54.0	-16.81	AV	75.10	100	Horizontal	Pass
3	4604.299	51.09	-0.58	74.0	-22.91	Peak	10.70	100	Horizontal	Pass
3**	4604.299	39.72	-0.58	54.0	-14.28	AV	10.70	100	Horizontal	Pass
4	4874.266	56.77	0.05	74.0	-17.23	Peak	177.80	100	Horizontal	Pass
4**	4874.266	46.36	0.05	54.0	-7.64	AV	177.80	100	Horizontal	Pass
5	5665.167	53.55	1.53	74.0	-20.45	Peak	162.90	100	Horizontal	Pass
5**	5665.167	42.74	1.53	54.0	-11.26	AV	162.90	100	Horizontal	Pass
6	6599.550	56.36	4.33	74.0	-17.64	Peak	69.90	100	Horizontal	Pass
6**	6599.550	44.93	4.33	54.0	-9.07	AV	69.90	100	Horizontal	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.08.23

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

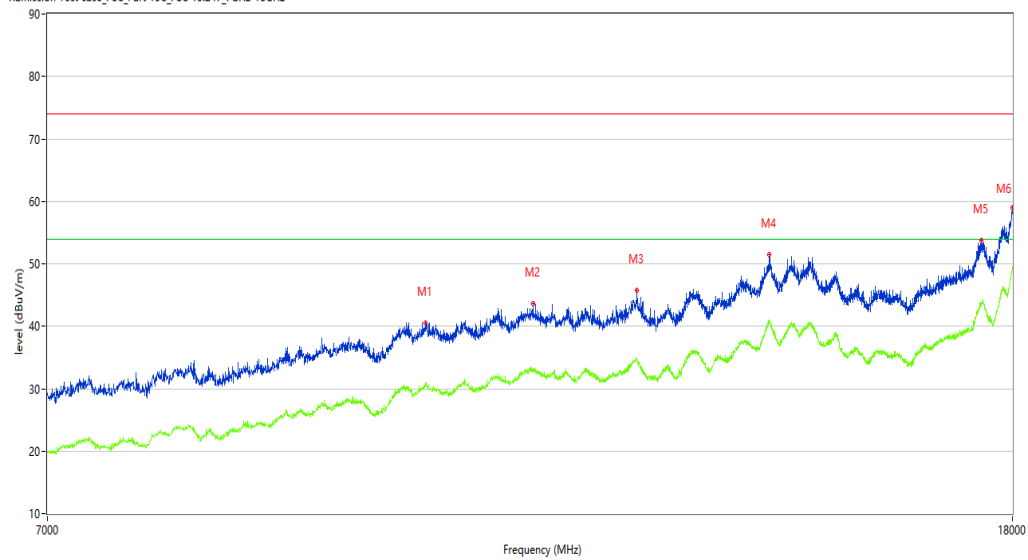
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247.7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	10136.966	40.61	9.35	74.0	-33.39	Peak	143.30	100	Horizontal	Pass
1**	10136.966	30.53	9.35	54.0	-23.47	AV	143.30	100	Horizontal	Pass
2	11258.685	43.62	12.01	74.0	-30.38	Peak	320.90	100	Horizontal	Pass
2**	11258.685	32.87	12.01	54.0	-21.13	AV	320.90	100	Horizontal	Pass
3	12462.884	45.80	12.55	74.0	-28.20	Peak	359.50	100	Horizontal	Pass
3**	12462.884	35.00	12.55	54.0	-19.00	AV	359.50	100	Horizontal	Pass
4	14189.453	51.45	19.73	74.0	-22.55	Peak	56.30	100	Horizontal	Pass
4**	14189.453	40.91	19.73	54.0	-13.09	AV	56.30	100	Horizontal	Pass
5	17463.884	53.80	21.14	74.0	-20.20	Peak	239.00	100	Horizontal	Pass
5**	17463.884	43.44	21.14	54.0	-10.56	AV	239.00	100	Horizontal	Pass
6	18000.000	58.99	27.92	74.0	-15.01	Peak	263.50	100	Horizontal	Pass
6**	18000.000	49.53	27.92	54.0	-4.47	AV	263.50	100	Horizontal	Pass

WIFI2.4G-N-Middle channel-Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_16.57.02

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

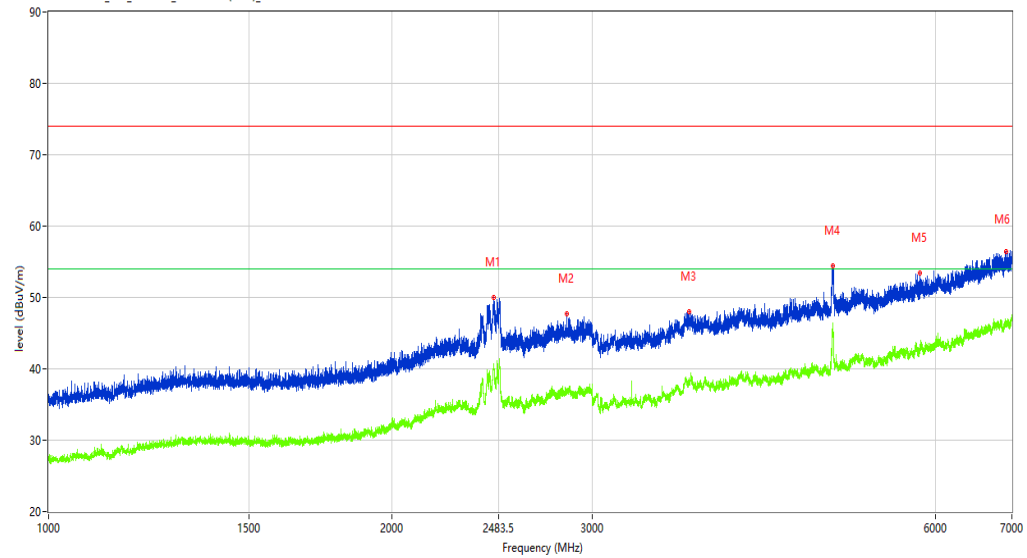
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

R/Emission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2459.068	49.94	-2.56	74.0	-24.06	Peak	124.70	100	Vertical	Pass
1**	2459.068	39.95	-2.56	54.0	-14.05	AV	124.70	100	Vertical	Pass
2	2848.269	47.68	-3.86	74.0	-26.32	Peak	49.20	100	Vertical	Pass
2**	2848.269	37.05	-3.86	54.0	-16.95	AV	49.20	100	Vertical	Pass
3	3648.919	48.01	-1.56	74.0	-25.99	Peak	0.00	100	Vertical	Pass
3**	3648.919	37.87	-1.56	54.0	-16.13	AV	0.00	100	Vertical	Pass
4	4873.266	54.36	0.05	74.0	-19.64	Peak	312.50	100	Vertical	Pass
4**	4873.266	46.21	0.05	54.0	-7.79	AV	312.50	100	Vertical	Pass
5	5815.648	53.42	2.34	74.0	-20.58	Peak	88.10	100	Vertical	Pass
5**	5815.648	43.40	2.34	54.0	-10.60	AV	88.10	100	Vertical	Pass
6	6919.510	56.39	5.06	74.0	-17.61	Peak	49.80	100	Vertical	Pass
6**	6919.510	46.25	5.06	54.0	-7.75	AV	49.80	100	Vertical	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.22.29

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

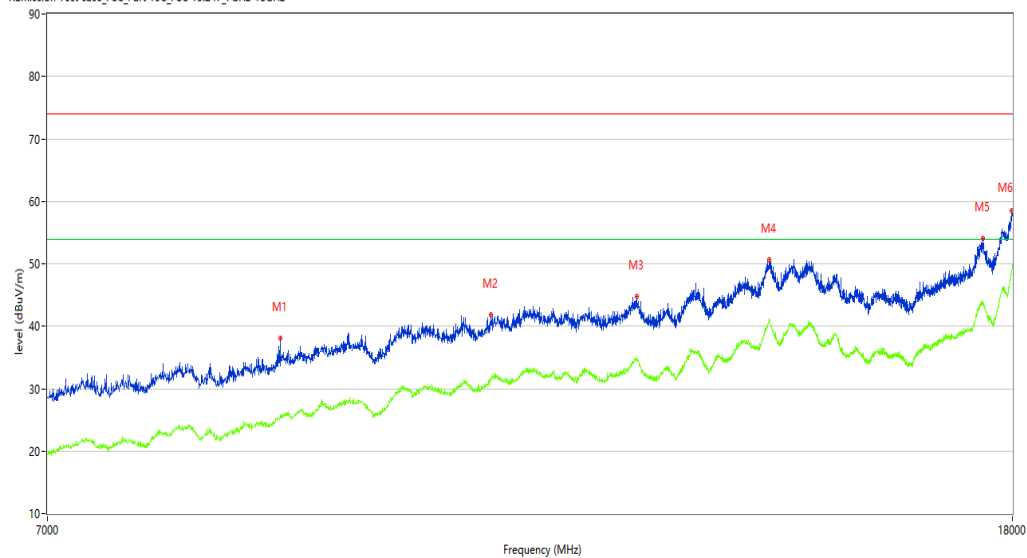
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247.7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8789.803	38.07	4.95	74.0	-35.93	Peak	83.10	100	Vertical	Pass
1**	8789.803	25.45	4.95	54.0	-28.55	AV	83.10	100	Vertical	Pass
2	10802.299	41.89	10.50	74.0	-32.11	Peak	10.10	100	Vertical	Pass
2**	10802.299	31.35	10.50	54.0	-22.65	AV	10.10	100	Vertical	Pass
3	12460.135	44.85	12.54	74.0	-29.15	Peak	279.90	100	Vertical	Pass
3**	12460.135	34.58	12.54	54.0	-19.42	AV	279.90	100	Vertical	Pass
4	14192.202	50.67	19.67	74.0	-23.33	Peak	92.40	100	Vertical	Pass
4**	14192.202	41.10	19.67	54.0	-12.90	AV	92.40	100	Vertical	Pass
5	17485.879	54.08	21.52	74.0	-19.92	Peak	1.40	100	Vertical	Pass
5**	17485.879	43.85	21.52	54.0	-10.15	AV	1.40	100	Vertical	Pass
6	17989.003	58.46	27.24	74.0	-15.54	Peak	183.90	100	Vertical	Pass
6**	17989.003	48.57	27.24	54.0	-5.43	AV	183.90	100	Vertical	Pass

WIFI2.4G-N-High channel-Horizontal-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.57.01

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

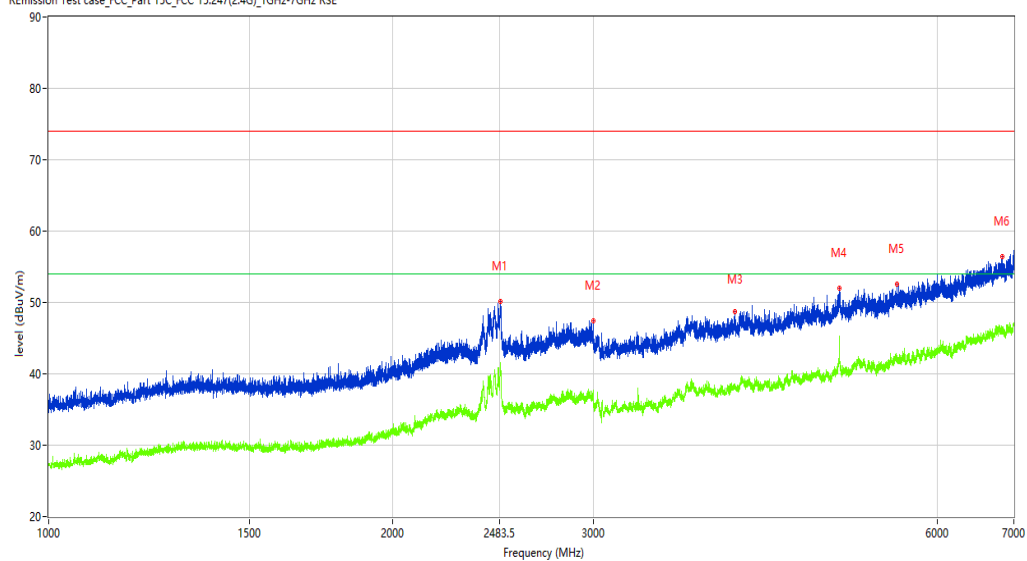
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2487.814	50.10	-1.88	74.0	-23.90	Peak	360.00	100	Horizontal	Pass
1**	2487.814	41.61	-1.88	54.0	-12.39	AV	360.00	100	Horizontal	Pass
2	2998.250	47.47	-3.05	74.0	-26.53	Peak	285.10	100	Horizontal	Pass
2**	2998.250	37.69	-3.05	54.0	-16.31	AV	285.10	100	Horizontal	Pass
3	3990.376	48.77	-1.23	74.0	-25.23	Peak	324.70	100	Horizontal	Pass
3**	3990.376	38.16	-1.23	54.0	-15.84	AV	324.70	100	Horizontal	Pass
4	4923.760	52.03	0.16	74.0	-21.97	Peak	271.10	100	Horizontal	Pass
4**	4923.760	43.76	0.16	54.0	-10.24	AV	271.10	100	Horizontal	Pass
5	5528.184	52.63	1.42	74.0	-21.37	Peak	300.50	100	Horizontal	Pass
5**	5528.184	42.40	1.42	54.0	-11.60	AV	300.50	100	Horizontal	Pass
6	6844.519	56.49	5.05	74.0	-17.51	Peak	145.00	100	Horizontal	Pass
6**	6844.519	45.95	5.05	54.0	-8.05	AV	145.00	100	Horizontal	Pass

Test result

Project Number: 1744444

Test Time: 2022-04-29_15.12.43

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9488.128	39.22	7.83	74.0	-34.78	Peak	42.50	100	Horizontal	Pass
1**	9488.128	27.97	7.83	54.0	-26.03	AV	42.50	100	Horizontal	Pass
2	10543.864	41.25	10.28	74.0	-32.75	Peak	263.90	100	Horizontal	Pass
2**	10543.864	30.62	10.28	54.0	-23.38	AV	263.90	100	Horizontal	Pass
3	12457.386	44.83	12.53	74.0	-29.17	Peak	151.90	100	Horizontal	Pass
3**	12457.386	34.58	12.53	54.0	-19.42	AV	151.90	100	Horizontal	Pass
4	14214.196	50.39	19.17	74.0	-23.61	Peak	109.10	100	Horizontal	Pass
4**	14214.196	40.07	19.17	54.0	-13.93	AV	109.10	100	Horizontal	Pass
5	17395.151	52.17	19.83	74.0	-21.83	Peak	170.90	100	Horizontal	Pass
5**	17395.151	42.64	19.83	54.0	-11.36	AV	170.90	100	Horizontal	Pass
6	17989.003	59.29	27.24	74.0	-14.71	Peak	128.10	100	Horizontal	Pass
6**	17989.003	49.13	27.24	54.0	-4.87	AV	128.10	100	Horizontal	Pass

WIFI2.4G-N-High channel-Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.43.21

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

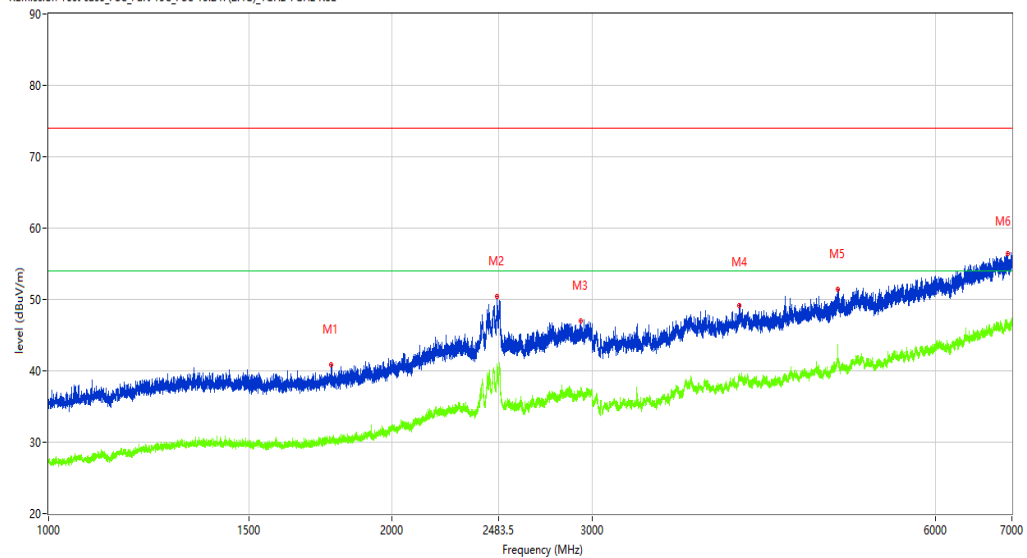
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1769.404	40.81	-12.31	74.0	-33.19	Peak	99.50	100	Vertical	Pass
1**	1769.404	30.30	-12.31	54.0	-23.70	AV	99.50	100	Vertical	Pass
2	2475.316	50.45	-2.13	74.0	-23.55	Peak	32.50	100	Vertical	Pass
2**	2475.316	40.84	-2.13	54.0	-13.16	AV	32.50	100	Vertical	Pass
3	2929.009	46.96	-4.33	74.0	-27.04	Peak	213.70	100	Vertical	Pass
3**	2929.009	36.72	-4.33	54.0	-17.28	AV	213.70	100	Vertical	Pass
4	4037.870	49.12	-0.91	74.0	-24.88	Peak	39.80	100	Vertical	Pass
4**	4037.870	38.71	-0.91	54.0	-15.29	AV	39.80	100	Vertical	Pass
5	4923.760	51.23	0.16	74.0	-22.77	Peak	164.80	100	Vertical	Pass
5**	4923.760	43.76	0.16	54.0	-10.24	AV	164.80	100	Vertical	Pass
6	6941.007	56.48	5.14	74.0	-17.52	Peak	247.80	100	Vertical	Pass
6**	6941.007	46.50	5.14	54.0	-7.50	AV	247.80	100	Vertical	Pass

Test result

Project Number: Certification

Test Time: 2022-04-29_15.26.29

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

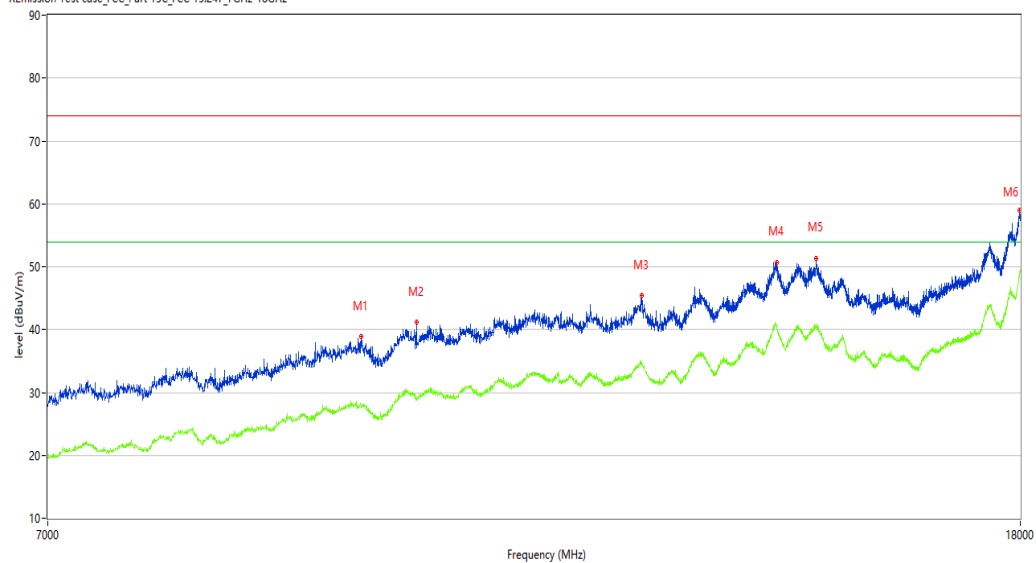
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9488.128	38.85	7.83	74.0	-35.15	Peak	186.10	100	Vertical	Pass
1**	9488.128	27.68	7.83	54.0	-26.32	AV	186.10	100	Vertical	Pass
2	10013.247	41.25	9.11	74.0	-32.75	Peak	65.20	100	Vertical	Pass
2**	10013.247	29.05	9.11	54.0	-24.95	AV	65.20	100	Vertical	Pass
3	12465.634	45.38	12.56	74.0	-28.62	Peak	200.70	100	Vertical	Pass
3**	12465.634	34.79	12.56	54.0	-19.21	AV	200.70	100	Vertical	Pass
4	14211.447	50.71	19.24	74.0	-23.29	Peak	79.70	100	Vertical	Pass
4**	14211.447	40.15	19.24	54.0	-13.85	AV	79.70	100	Vertical	Pass
5	14766.808	51.36	18.82	74.0	-22.64	Peak	21.70	100	Vertical	Pass
5**	14766.808	40.40	18.82	54.0	-13.60	AV	21.70	100	Vertical	Pass
6	17989.003	59.01	27.24	74.0	-14.99	Peak	176.80	100	Vertical	Pass
6**	17989.003	48.88	27.24	54.0	-5.12	AV	176.80	100	Vertical	Pass

WIFI2.4G-Bandedge -B-Low channel- Horizontal –TX

Test result

Project Number: Certification

Test Time: 2022-04-28_11.36.21

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

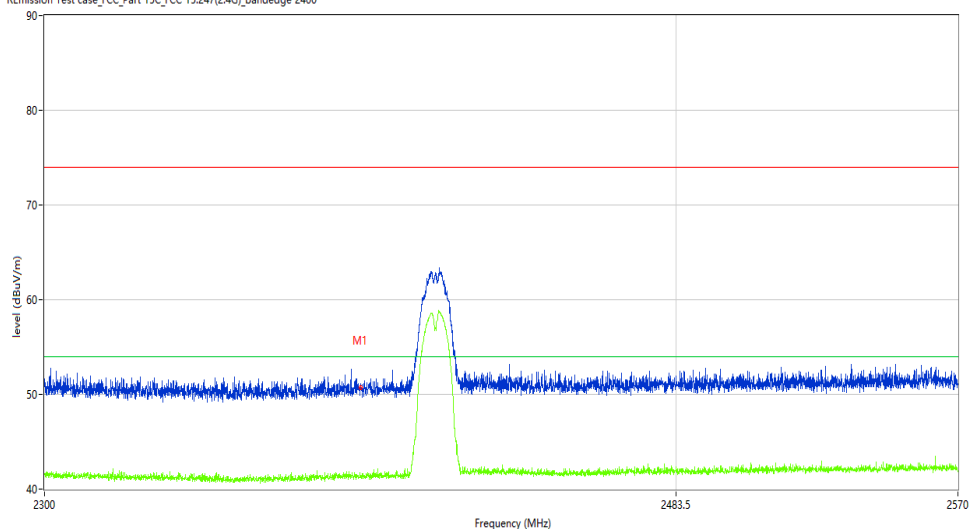
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.70	-9.96	74.0	-23.30	Peak	175.91	100	H	Pass
1**	2390.000	41.38	-9.96	54.0	-12.62	AV	175.91	100	H	Pass

WIFI2.4G-Bandedge -B-Low channel- Vertical -TX

Test result

Project Number: Certification

Test Time: 2022-04-28_11.42.00

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

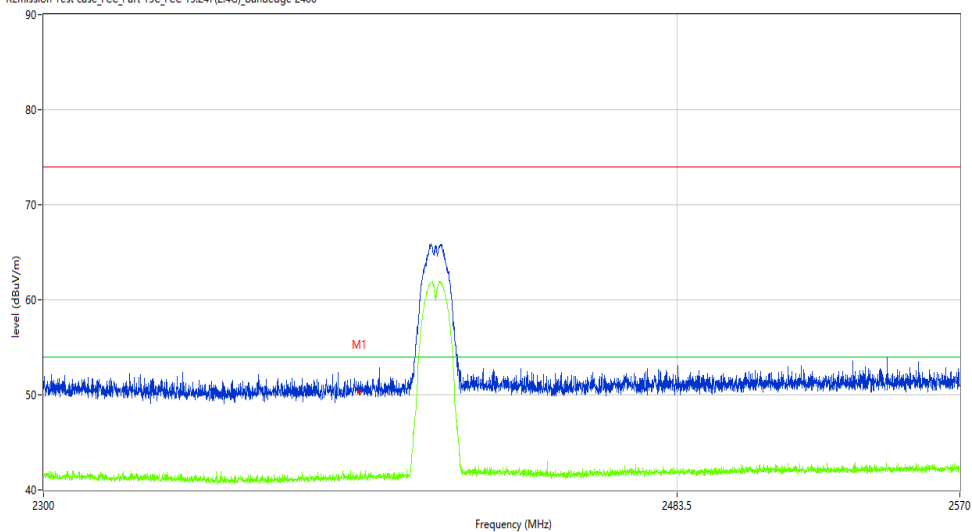
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.38	-9.96	74.0	-23.62	Peak	117.98	100	V	Pass
1**	2390.000	41.19	-9.96	54.0	-12.81	AV	117.98	100	V	Pass

WIFI2.4G-Bandedge -B-High channel- Horizontal -TX

Test result

Project Number: Certification

Test Time: 2022-04-28_13.44.10

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

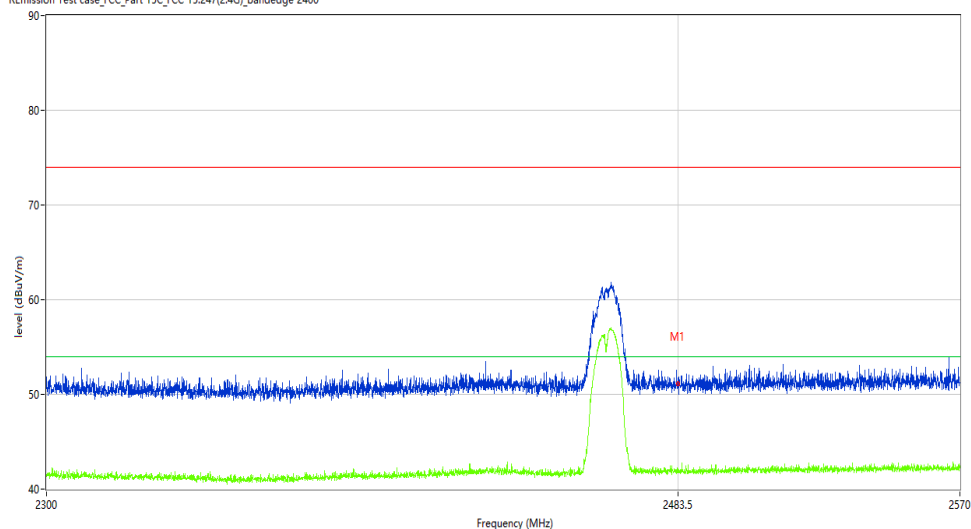
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.19	-9.51	74.0	-22.81	Peak	140.24	100	H	Pass
1**	2483.500	42.07	-9.51	54.0	-11.93	AV	140.24	100	H	Pass

WIFI2.4G-Bandedge -B-High channel- Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_11.56.01

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

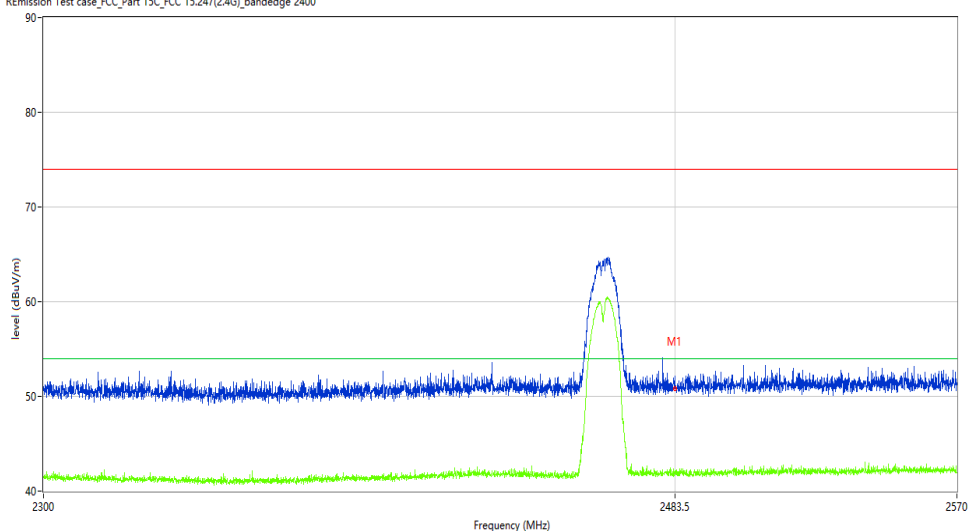
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

R emission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	50.76	-9.51	74.0	-23.24	Peak	65.09	100	V	Pass
1**	2483.500	41.99	-9.51	54.0	-12.01	AV	65.09	100	V	Pass

WIFI2.4G-Bandedge -G-Low channel- Horizontal –TX

Test result

Project Number: Certification

Test Time: 2022-04-28_13.57.15

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

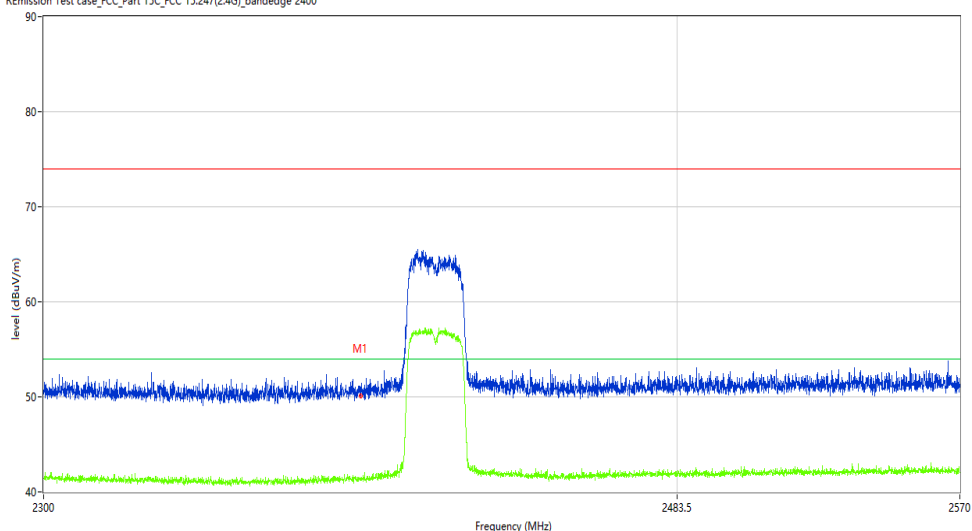
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

Emission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.20	-9.96	74.0	-23.80	Peak	216.22	100	H	Pass
1**	2390.000	41.27	-9.96	54.0	-12.73	AV	216.22	100	H	Pass

WIFI2.4G-Bandedge -G-Low channel- Vertical -TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.01.10

EUT Name: N.A

Manufacturer: N.A

Model: TCM-F401-W4S

Temp.(oC): 19.8

Hum.: 50%

Test Engineer: CJY

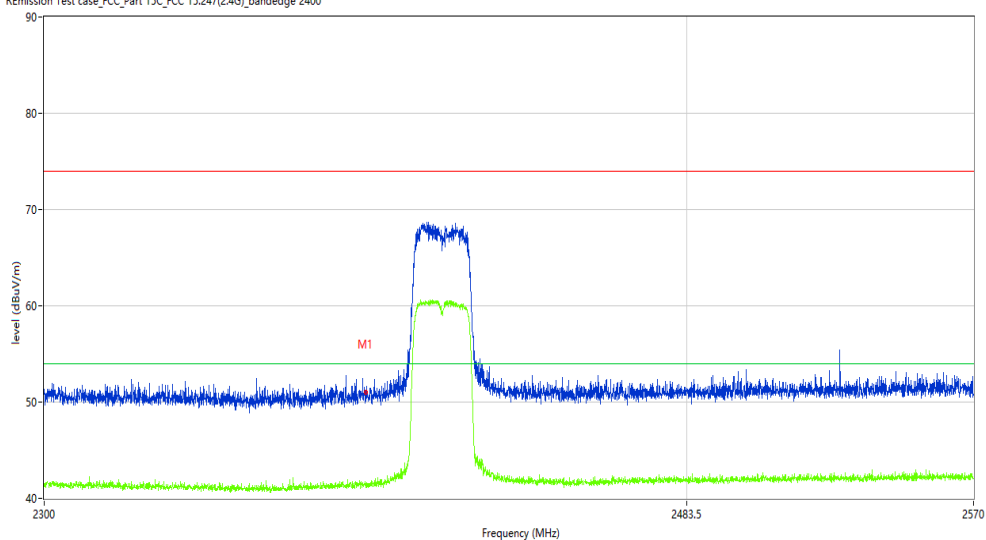
Test Standard: FCC

Work Addition: TX

Load: full load

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.87	-9.96	74.0	-23.13	Peak	269.44	100	V	Pass
1**	2390.000	41.22	-9.96	54.0	-12.78	AV	269.44	100	V	Pass

WIFI2.4G-Bandedge -G-High channel- Horizontal -TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.23.42

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

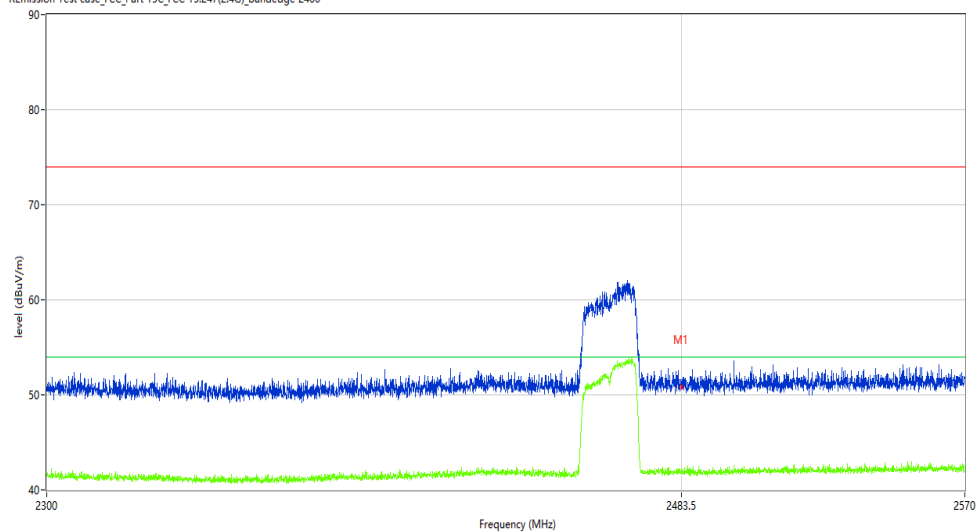
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

Emission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	50.78	-9.51	74.0	-23.22	Peak	62.46	100	H	Pass
1**	2483.500	42.16	-9.51	54.0	-11.84	AV	62.46	100	H	Pass

WIFI2.4G-Bandedge -G-High channel- Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.36.38

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

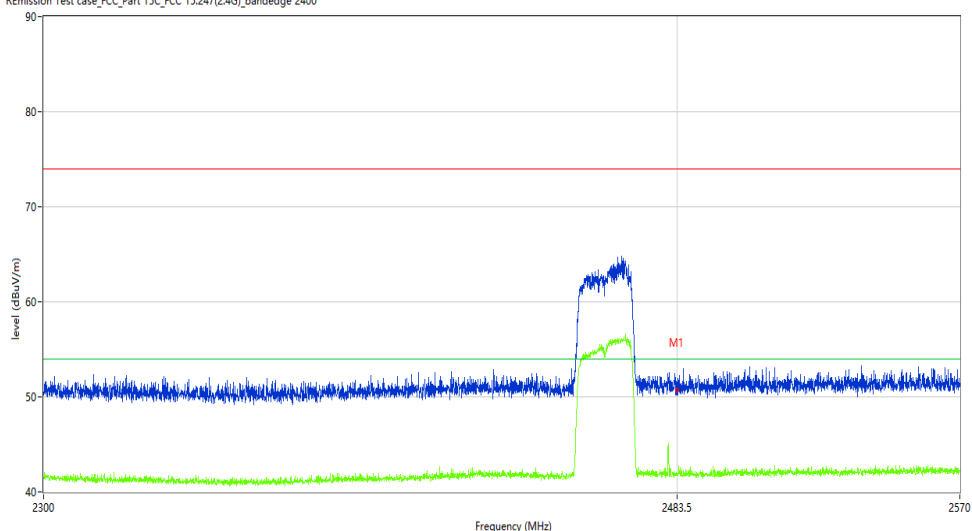
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	50.59	-9.51	74.0	-23.41	Peak	239.36	100	V	Pass
1**	2483.500	41.82	-9.51	54.0	-12.18	AV	239.36	100	V	Pass

WIFI2.4G-Bandedge -N-Low channel- Horizontal –TX

Test result

Project Number: Certification

Test Time: 2022-04-28_17.14.33

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

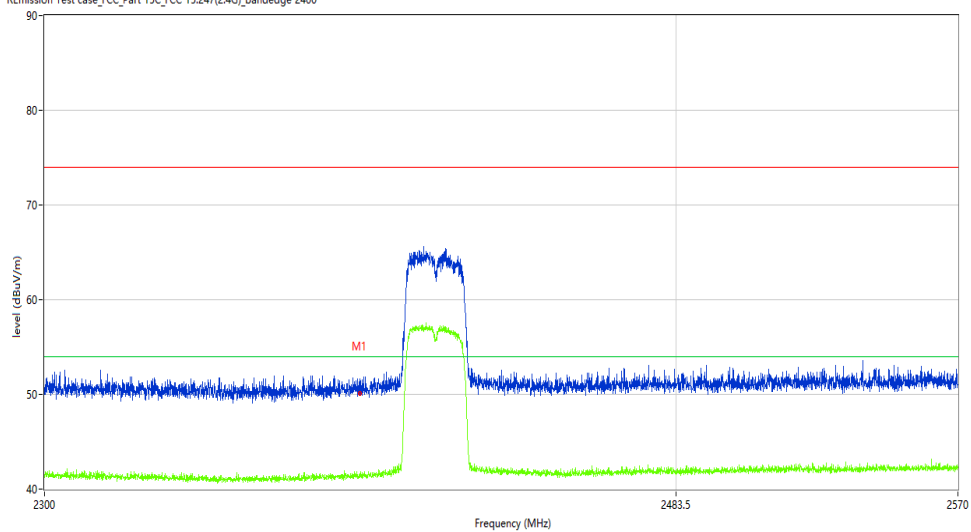
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.12	-9.96	74.0	-23.88	Peak	151.59	100	H	Pass
1**	2390.000	41.71	-9.96	54.0	-12.29	AV	151.59	100	H	Pass

WIFI2.4G-Bandedge -N-Low channel- Vertical -TX

Test result

Project Number: Certification

Test Time: 2022-04-28_17.02.33

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

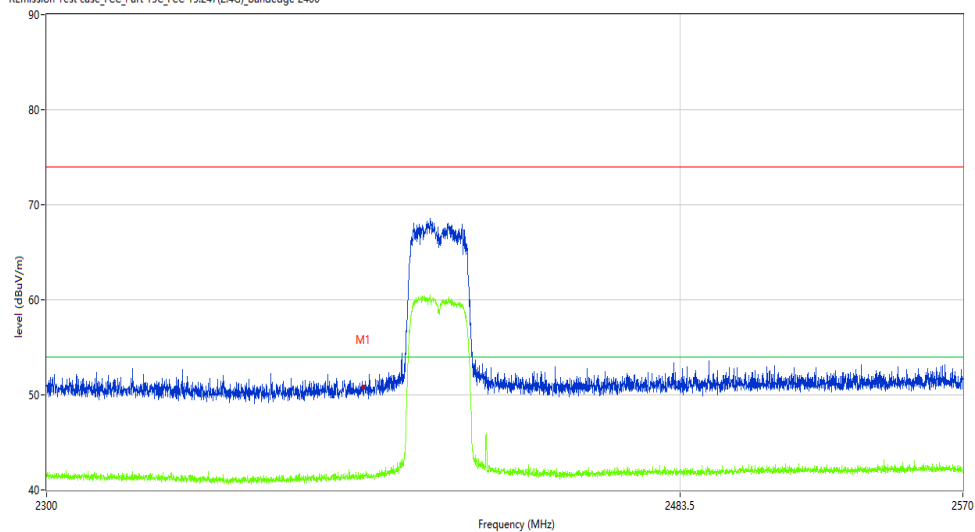
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.73	-9.96	74.0	-23.27	Peak	49.20	100	V	Pass
1**	2390.000	41.48	-9.96	54.0	-12.52	AV	49.20	100	V	Pass

WIFI2.4G-Bandedge -N-High channel- Horizontal -TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.59.55

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

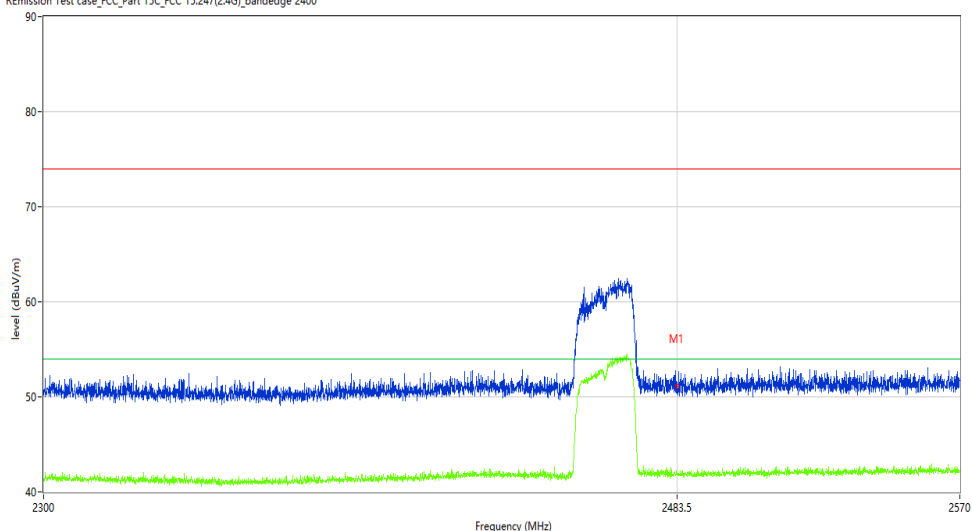
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.06	-9.51	74.0	-22.94	Peak	142.94	100	H	Pass
1**	2483.500	41.83	-9.51	54.0	-12.17	AV	142.94	100	H	Pass

WIFI2.4G-Bandedge -N-High channel- Vertical-TX

Test result

Project Number: Certification

Test Time: 2022-04-28_14.45.25

EUT Name: N.A

Test Engineer: CJY

Manufacturer: N.A

Test Standard: FCC

Model: TCM-F401-W4S

Work Addition: TX

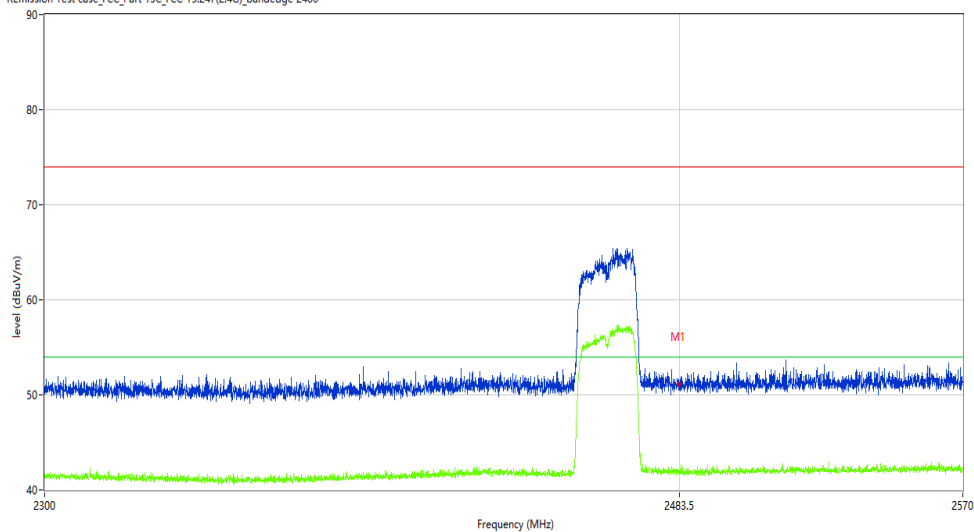
Temp.(oC): 19.8

Load: full load

Hum.: 50%

Remark: DR-RSE01-E21110074-02#03

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_bandedge 2400



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.14	-9.51	74.0	-22.86	Peak	279.75	100	V	Pass
1**	2483.500	41.90	-9.51	54.0	-12.10	AV	279.75	100	V	Pass