

[Test mode:Band1 TX High channel]; [Polarity: Vertical] ;[Power: DC5V]

Radiated Emission Measurement



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

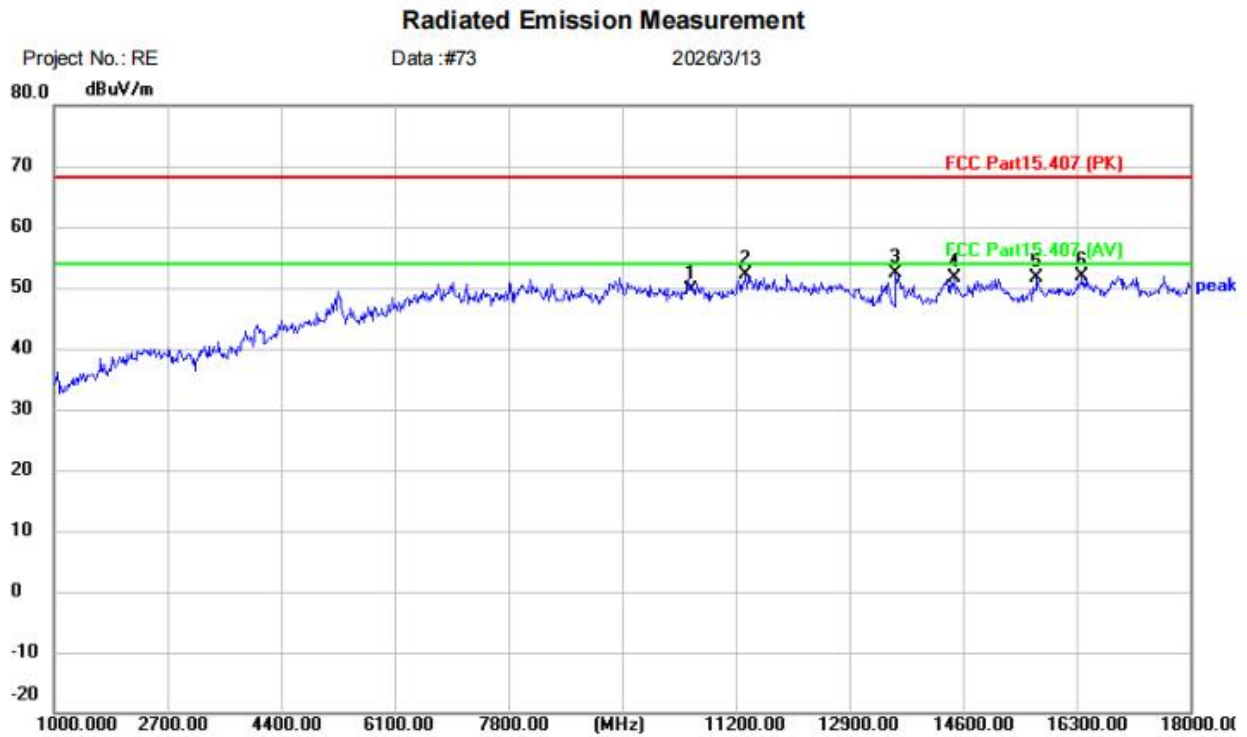
Mode: 5G-Band1-5240

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10480.00	35.57	13.70	49.27	68.20	-18.93	peak	
2	*	12118.00	38.26	13.69	51.95	68.20	-16.25	peak	
3		13614.00	38.51	12.66	51.17	68.20	-17.03	peak	
4		15059.00	41.81	9.46	51.27	68.20	-16.93	peak	
5		15671.00	41.59	9.36	50.95	68.20	-17.25	peak	
6		16844.00	40.88	10.34	51.22	68.20	-16.98	peak	

Test Result: Pass

[Test mode:Band2 TX low channel]; [Polarity: Horizontal] ;[Power: DC5V]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

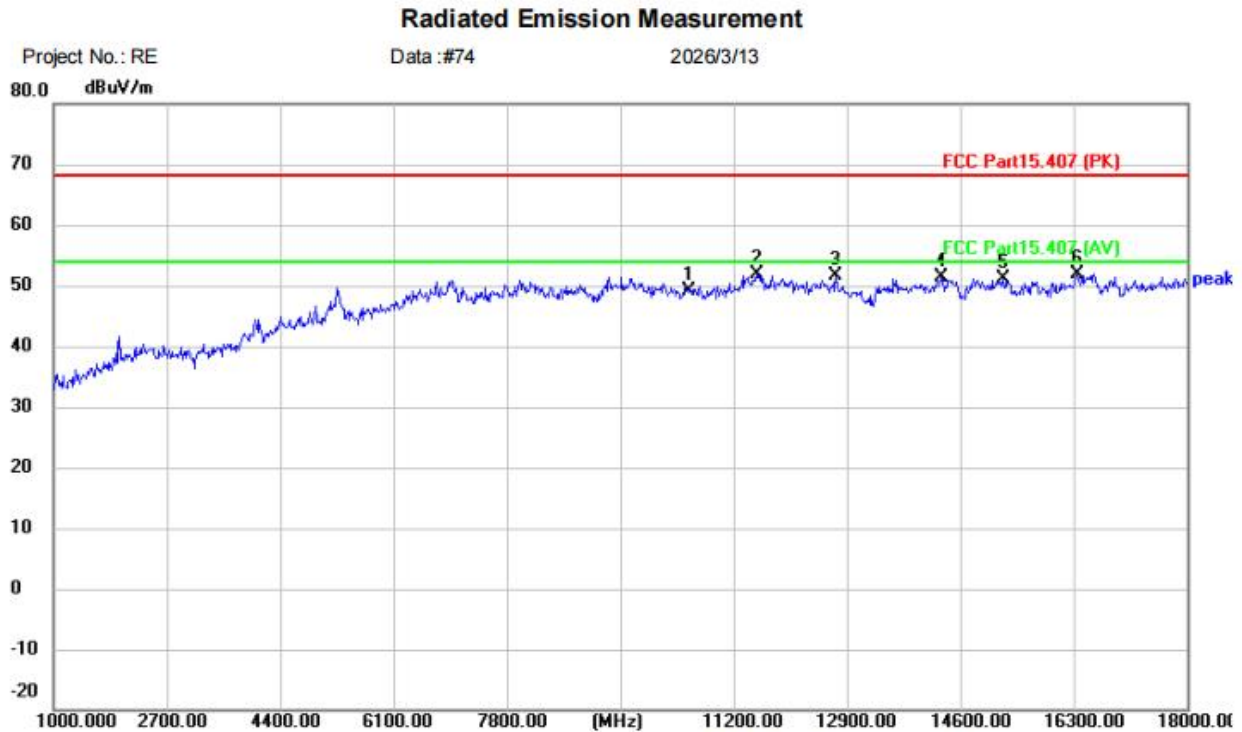
Mode: 5G-Band2-5260

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10520.00	35.84	13.72	49.56	68.20	-18.64	peak	
2	11353.00	38.32	13.75	52.07	68.20	-16.13	peak	
3 *	13597.00	39.59	12.90	52.49	68.20	-15.71	peak	
4	14481.00	41.00	10.51	51.51	68.20	-16.69	peak	
5	15705.00	42.07	9.45	51.52	68.20	-16.68	peak	
6	16385.00	42.31	9.47	51.78	68.20	-16.42	peak	

Test Result: Pass

[Test mode:Band2 TX low channel]; [Polarity: Vertical] ;[Power: DC5V]

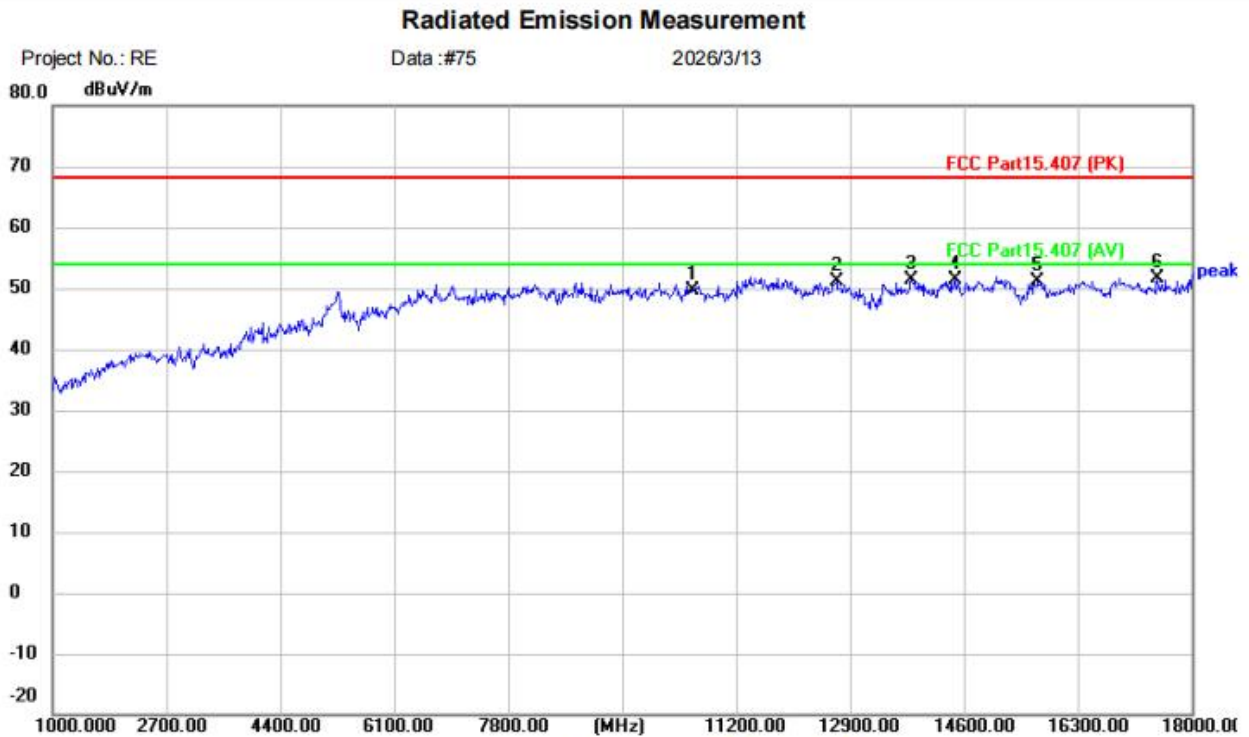


Site: Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15.407 (PK) Power: Humidity: %RH
EUT: Car Kit WiFi Module
M/N: WF-MA80-FY3
Mode: 5G-Band2-5260
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10520.00	35.30	13.72	49.02	68.20	-19.18	peak	
2		11540.00	36.96	14.83	51.79	68.20	-16.41	peak	
3		12730.00	37.68	13.90	51.58	68.20	-16.62	peak	
4		14311.00	40.46	11.04	51.50	68.20	-16.70	peak	
5		15246.00	41.55	9.48	51.03	68.20	-17.17	peak	
6	*	16351.00	42.52	9.33	51.85	68.20	-16.35	peak	

Test Result: Pass

[Test mode:Band2 TX middle channel]; [Polarity: Horizontal] ;[Power: DC5V]



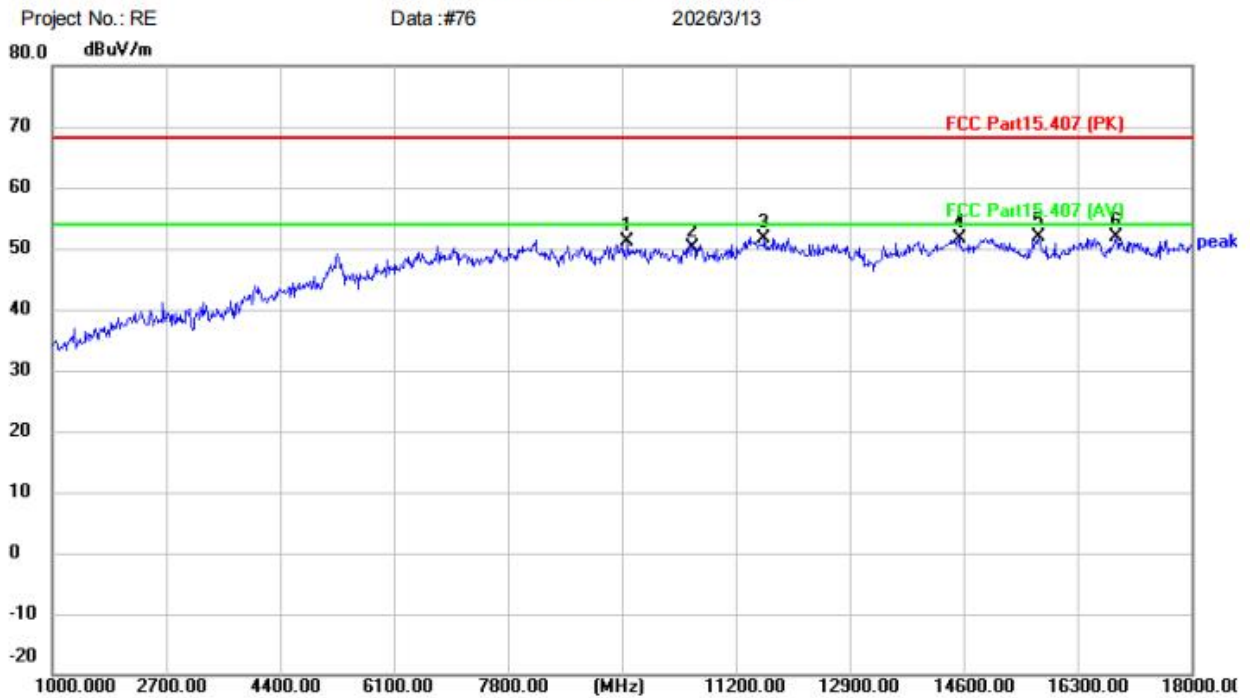
Site Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15.407 (PK) Power: Humidity: %RH
EUT: Car Kit WiFi Module
M/N: WF-MA80-FY3
Mode: 5G-Band2-5280
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10560.00	35.85	13.66	49.51	68.20	-18.69	peak	
2		12696.00	37.17	13.91	51.08	68.20	-17.12	peak	
3		13818.00	40.87	10.54	51.41	68.20	-16.79	peak	
4		14464.00	40.84	10.54	51.38	68.20	-16.82	peak	
5		15705.00	41.76	9.45	51.21	68.20	-16.99	peak	
6	*	17490.00	41.90	9.77	51.67	68.20	-16.53	peak	

Test Result: Pass

[Test mode:Band2 TX middle channel]; [Polarity: Vertical] ;[Power: DC5V]

Radiated Emission Measurement



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

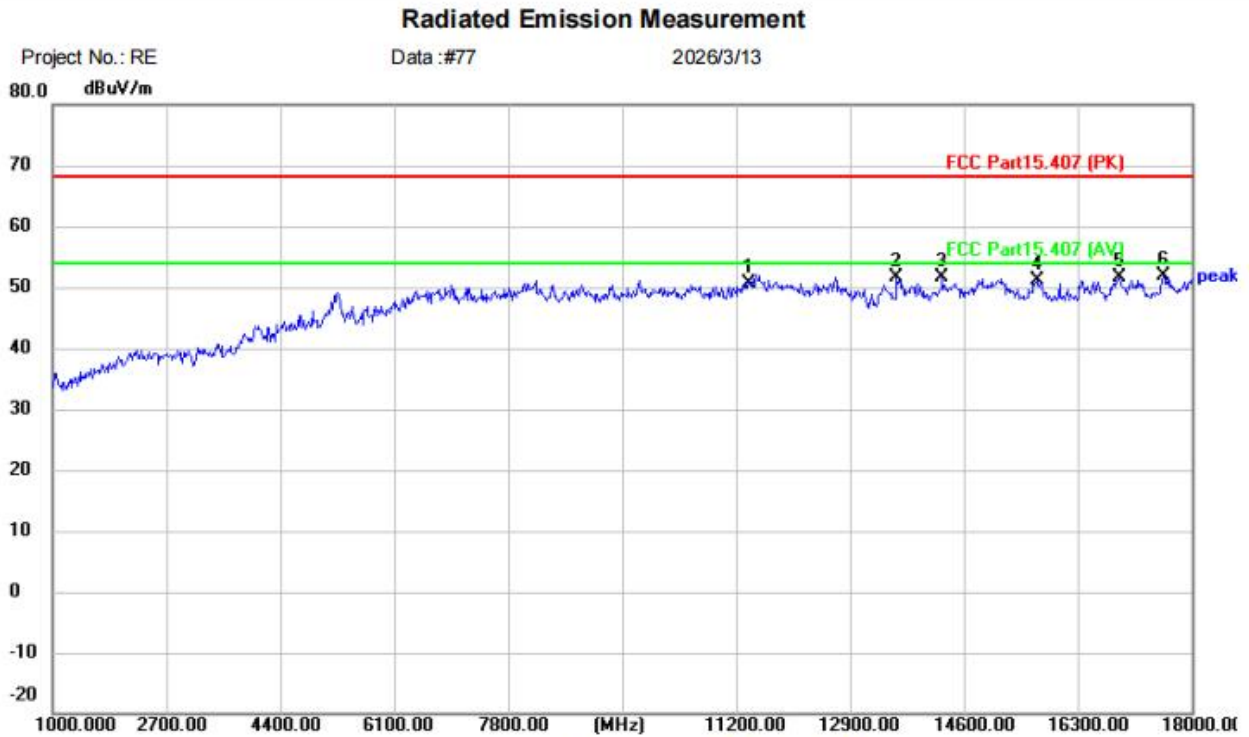
Mode: 5G-Band2-5280

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		9585.000	38.20	13.00	51.20	68.20	-17.00	peak	
2		10560.00	36.58	13.66	50.24	68.20	-17.96	peak	
3		11625.00	37.27	14.45	51.72	68.20	-16.48	peak	
4		14532.00	41.26	10.31	51.57	68.20	-16.63	peak	
5		15722.00	42.45	9.32	51.77	68.20	-16.43	peak	
6	*	16878.00	41.51	10.40	51.91	68.20	-16.29	peak	

Test Result: Pass

[Test mode:Band2 TX High channel]; [Polarity: Horizontal] ;[Power: DC5V]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

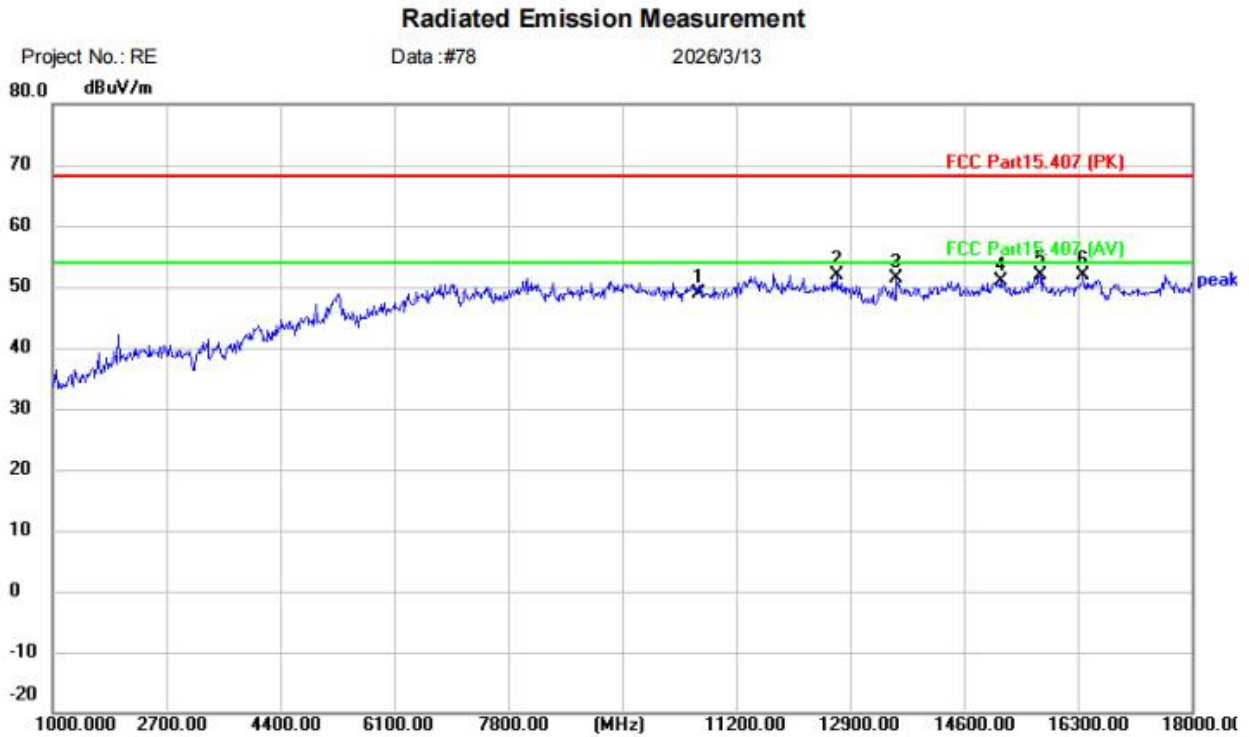
Mode: 5G-Band2-5320

Note:

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11400.00	36.39	14.27	50.66	68.20	-17.54	peak	
2	13597.00	38.66	12.90	51.56	68.20	-16.64	peak	
3	14277.00	40.79	10.96	51.75	68.20	-16.45	peak	
4	15688.00	41.74	9.44	51.18	68.20	-17.02	peak	
5	16929.00	41.58	10.04	51.62	68.20	-16.58	peak	
6 *	17575.00	41.74	10.24	51.98	68.20	-16.22	peak	

Test Result: Pass

[Test mode:Band2 TX High channel]; [Polarity: Vertical] ;[Power: DC5V]

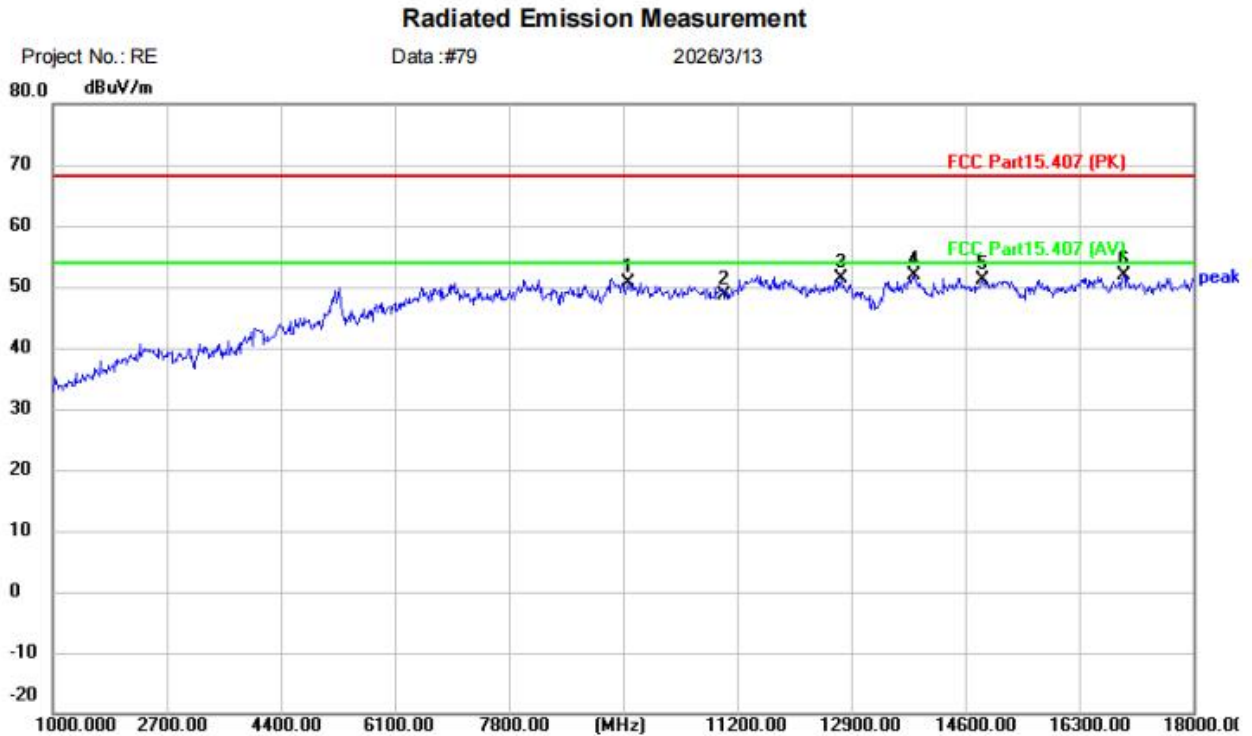


Site	Polarization: Vertical	Temperature: (C)
Limit: FCC Part15.407 (PK)	Power:	Humidity: %RH
EUT: Car Kit WiFi Module		
M/N: WF-MA80-FY3		
Mode: 5G-Band2-5320		
Note:		

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10640.00	35.54	13.29	48.83	68.20	-19.37	peak	
2 *	12696.00	37.96	13.91	51.87	68.20	-16.33	peak	
3	13597.00	38.48	12.90	51.38	68.20	-16.82	peak	
4	15144.00	41.53	9.43	50.96	68.20	-17.24	peak	
5	15739.00	42.58	9.19	51.77	68.20	-16.43	peak	
6	16385.00	42.35	9.47	51.82	68.20	-16.38	peak	

Test Result: Pass

[Test mode:Band3 TX low channel]; [Polarity: Horizontal] ;[Power: DC5V]

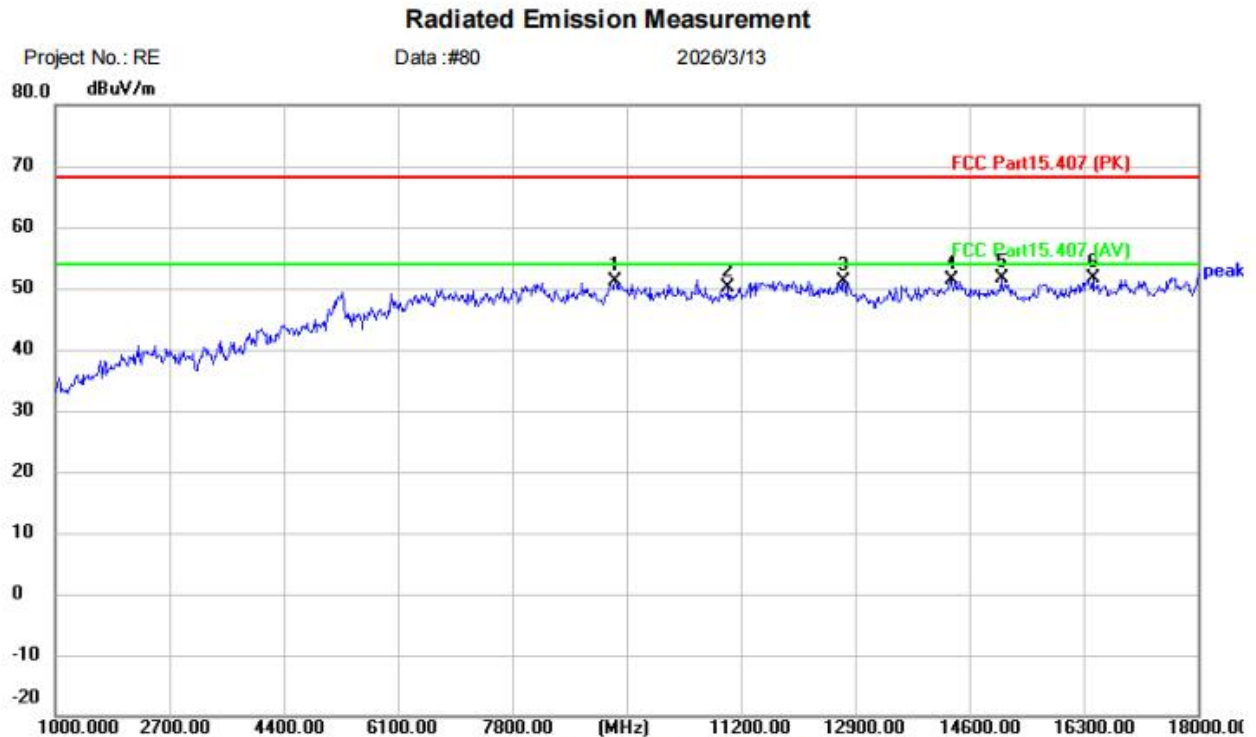


Site: Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15.407 (PK) Power: Humidity: %RH
EUT: Car Kit WiFi Module
M/N: WF-MA80-FY3
Mode: 5G-Band3-5500
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		9585.000	37.73	13.00	50.73	68.20	-17.47	peak	
2		11000.00	35.68	12.97	48.65	68.20	-19.55	peak	
3		12747.00	37.48	13.86	51.34	68.20	-16.86	peak	
4	*	13835.00	41.37	10.47	51.84	68.20	-16.36	peak	
5		14855.00	41.12	10.00	51.12	68.20	-17.08	peak	
6		16963.00	42.28	9.56	51.84	68.20	-16.36	peak	

Test Result: Pass

[Test mode:Band3 TX low channel]; [Polarity: Vertical] ;[Power: DC5V]



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

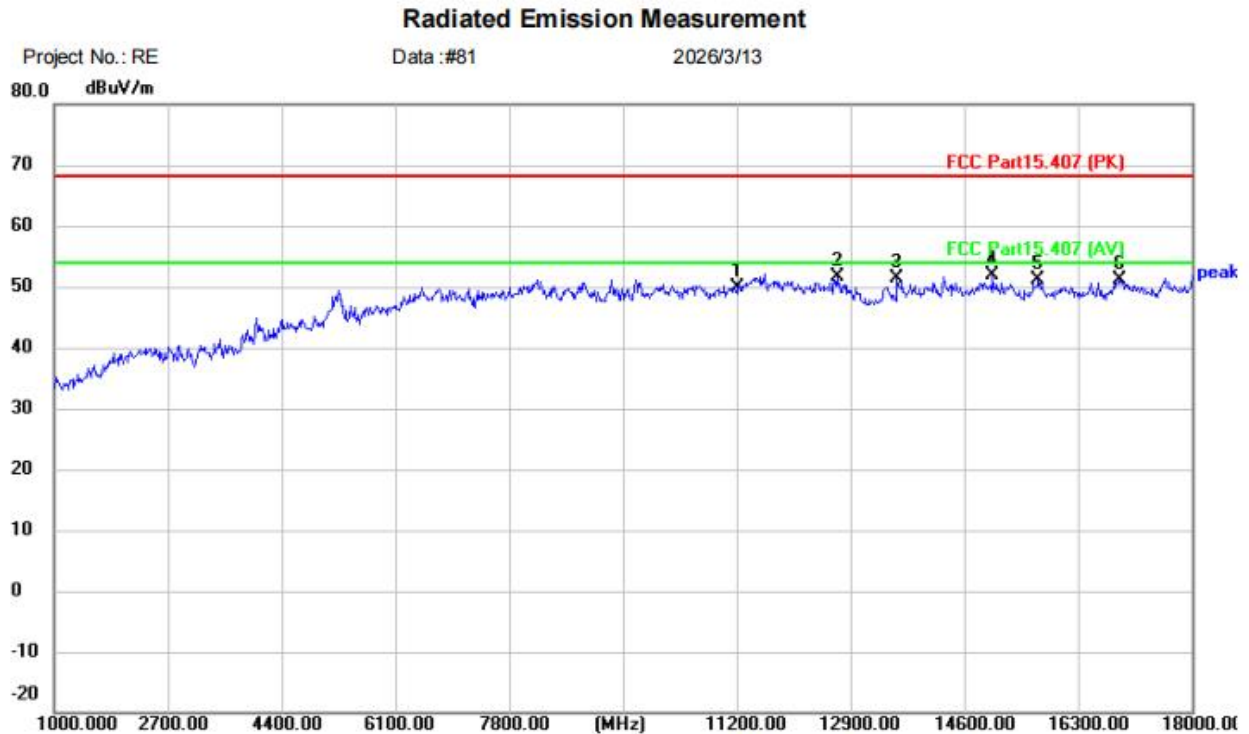
Mode: 5G-Band3-5500

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		9330.00	37.84	13.29	51.13	68.20	-17.07	peak	
2		11000.00	37.06	12.97	50.03	68.20	-18.17	peak	
3		12730.00	37.21	13.90	51.11	68.20	-17.09	peak	
4		14328.00	40.52	10.97	51.49	68.20	-16.71	peak	
5	*	15076.00	42.10	9.51	51.61	68.20	-16.59	peak	
6		16436.00	41.68	9.89	51.57	68.20	-16.63	peak	

Test Result: Pass

[Test mode:Band3 TX middle channel]; [Polarity: Horizontal] ;[Power: DC5V]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

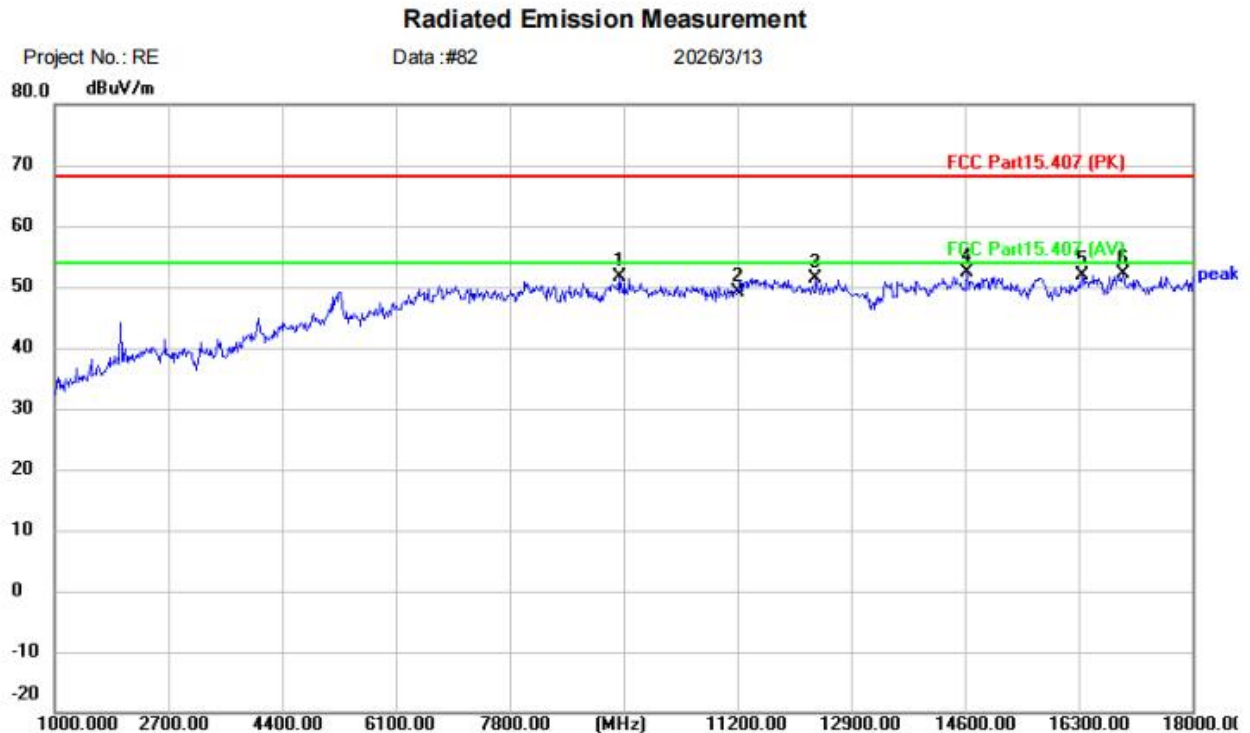
Mode: 5G-Band3-5600

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11200.00	36.58	13.27	49.85	68.20	-18.35	peak	
2		12696.00	37.84	13.91	51.75	68.20	-16.45	peak	
3		13597.00	38.36	12.90	51.26	68.20	-16.94	peak	
4	*	15025.00	42.45	9.38	51.83	68.20	-16.37	peak	
5		15705.00	41.70	9.45	51.15	68.20	-17.05	peak	
6		16912.00	40.89	10.28	51.17	68.20	-17.03	peak	

Test Result: Pass

[Test mode:Band3 TX middle channel]; [Polarity: Vertical] ;[Power: DC5V]



Site: Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

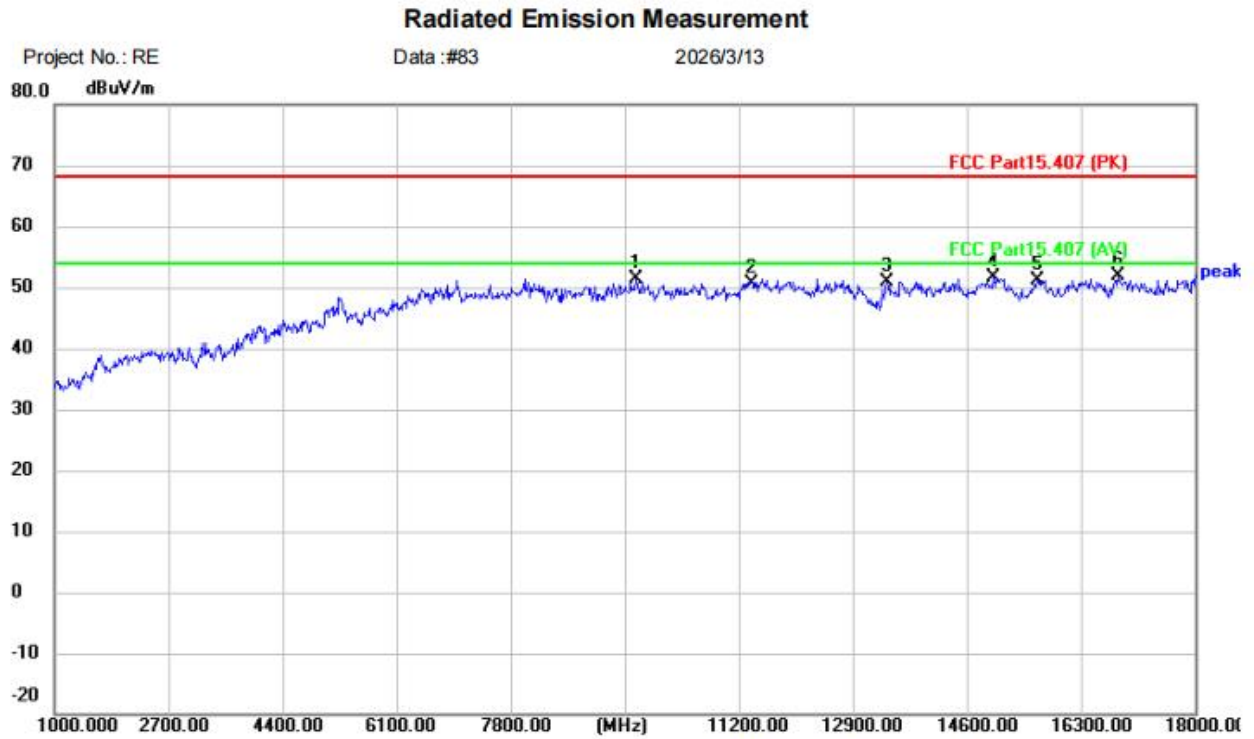
Mode: 5G-Band3-5600

Note:

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	9432.000	38.60	12.97	51.57	68.20	-16.63	peak	
2	11200.00	35.94	13.27	49.21	68.20	-18.99	peak	
3	12373.00	38.64	12.79	51.43	68.20	-16.77	peak	
4 *	14634.00	42.24	10.03	52.27	68.20	-15.93	peak	
5	16351.00	42.43	9.33	51.76	68.20	-16.44	peak	
6	16963.00	42.54	9.56	52.10	68.20	-16.10	peak	

Test Result: Pass

[Test mode:Band3 TX High channel]; [Polarity: Horizontal] ;[Power: DC5V]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

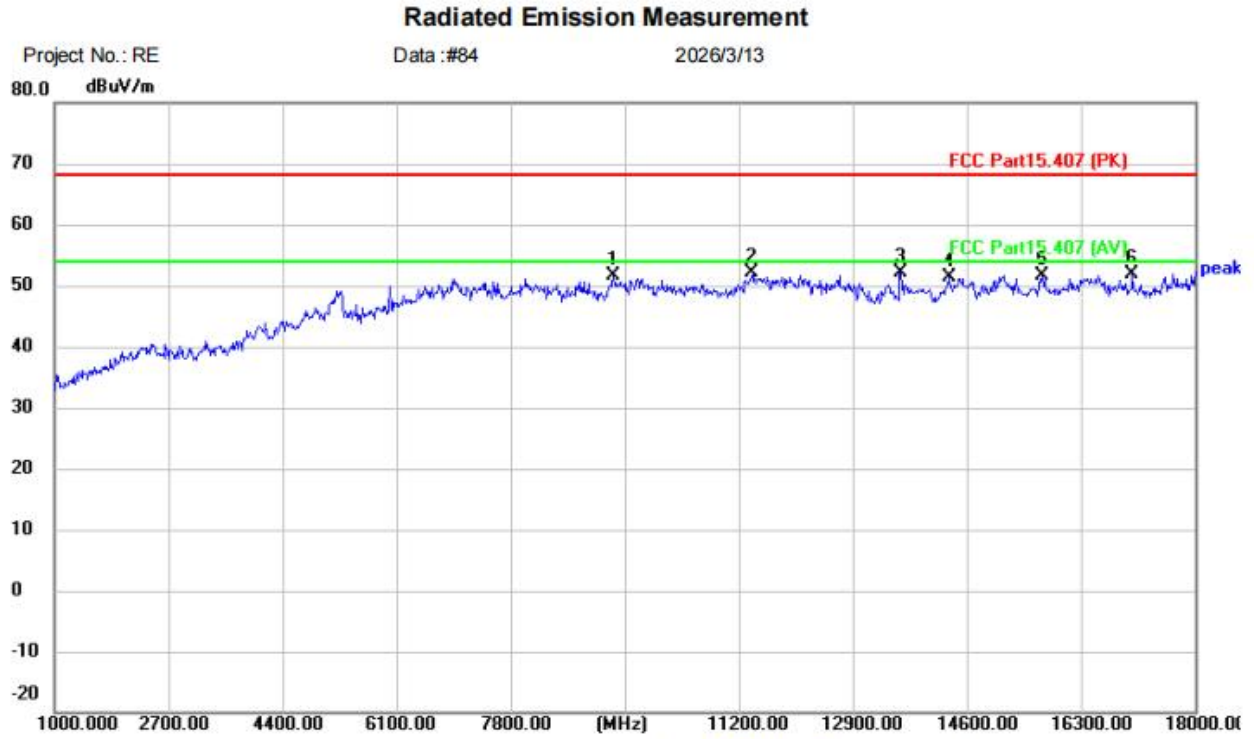
Mode: 5G-Band3-5700

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		9670.000	37.89	13.51	51.40	68.20	-16.80	peak	
2		11400.00	36.45	14.27	50.72	68.20	-17.48	peak	
3		13410.00	34.13	16.87	51.00	68.20	-17.20	peak	
4		14991.00	42.31	9.37	51.68	68.20	-16.52	peak	
5		15654.00	41.90	9.30	51.20	68.20	-17.00	peak	
6	*	16844.00	41.55	10.34	51.89	68.20	-16.31	peak	

Test Result: Pass

[Test mode:Band3 TX High channel]; [Polarity: Vertical] ;[Power: DC5V]



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

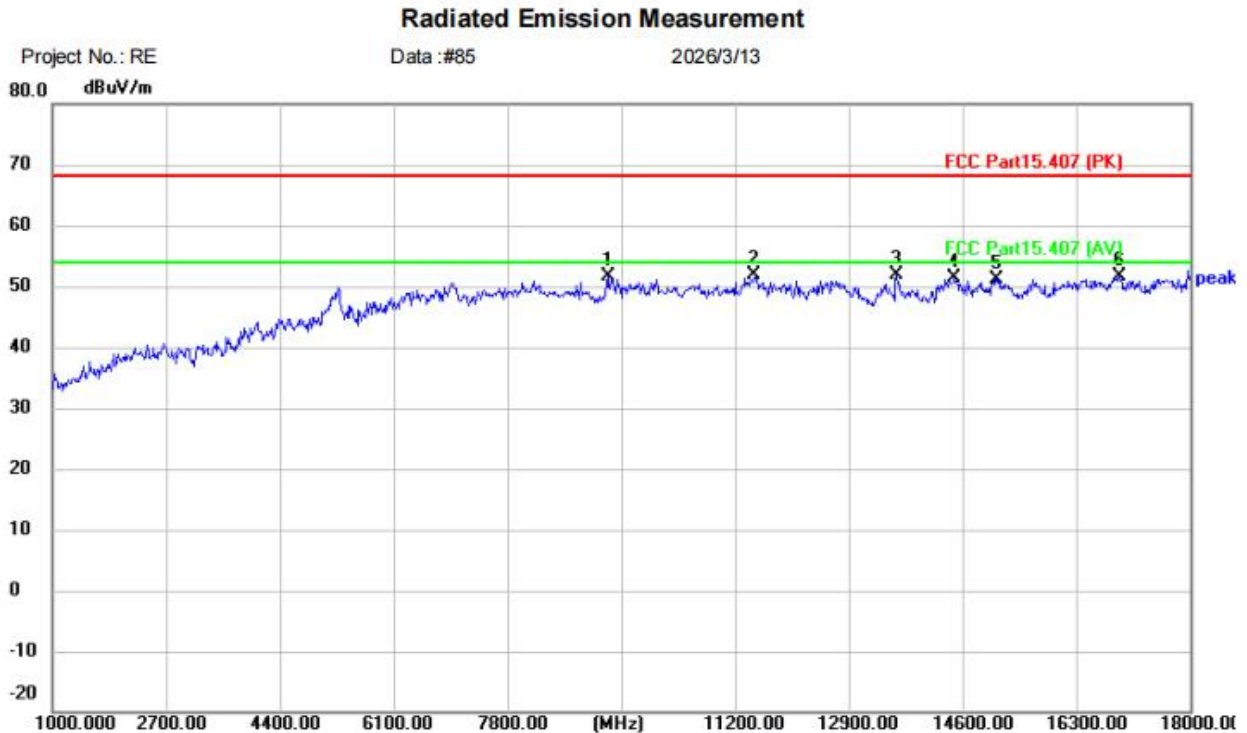
Mode: 5G-Band3-5700

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		9330.000	38.45	13.29	51.74	68.20	-16.46	peak	
2	*	11400.00	37.85	14.27	52.12	68.20	-16.08	peak	
3		13614.00	39.45	12.66	52.11	68.20	-16.09	peak	
4		14328.00	40.29	10.97	51.26	68.20	-16.94	peak	
5		15722.00	42.27	9.32	51.59	68.20	-16.61	peak	
6		17065.00	42.32	9.57	51.89	68.20	-16.31	peak	

Test Result: Pass

[Test mode:Band4 TX low channel]; [Polarity: Horizontal] ;[Power: DC5V]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

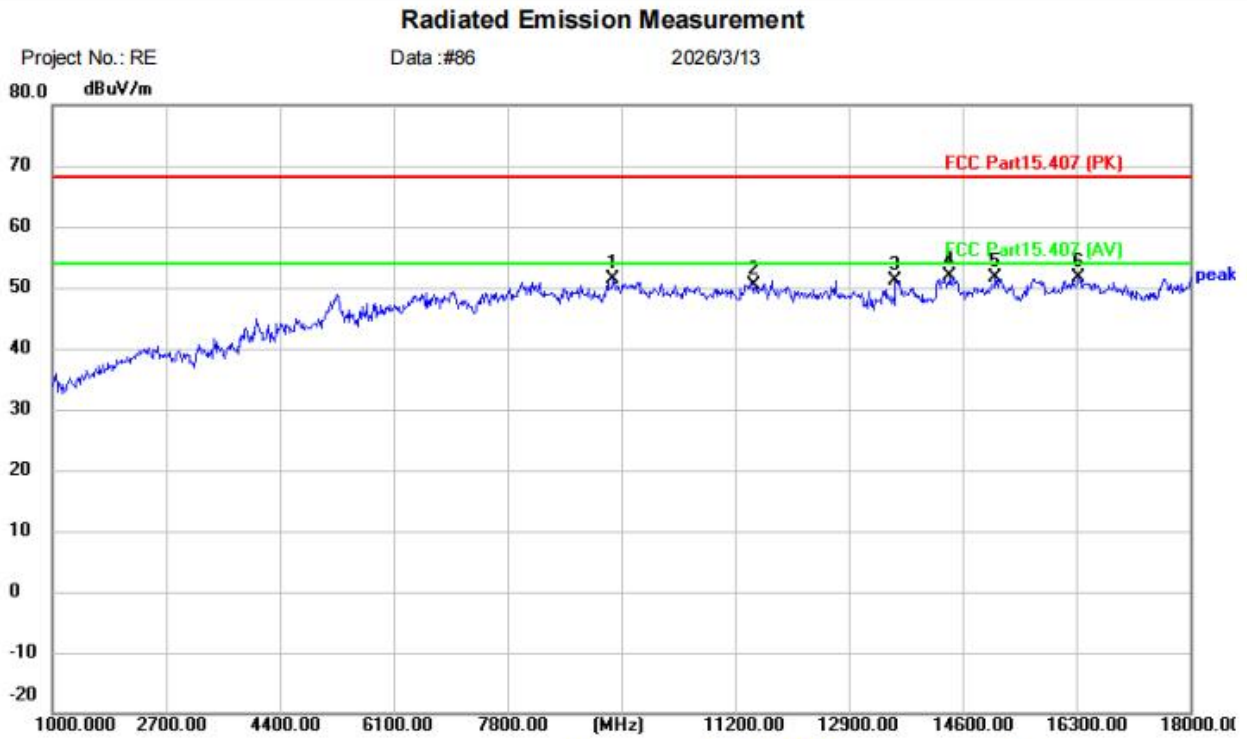
Mode: 5G-Band4-5745

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		9296.000	38.53	13.09	51.62	68.20	-16.58	peak	
2		11490.00	36.97	14.81	51.78	68.20	-16.42	peak	
3	*	13614.00	39.13	12.66	51.79	68.20	-16.41	peak	
4		14481.00	40.92	10.51	51.43	68.20	-16.77	peak	
5		15110.00	41.65	9.53	51.18	68.20	-17.02	peak	
6		16946.00	41.78	9.81	51.59	68.20	-16.61	peak	

Test Result: Pass

[Test mode:Band4 TX low channel]; [Polarity: Vertical] ;[Power: DC5V]



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

Mode: 5G-Band4-5745

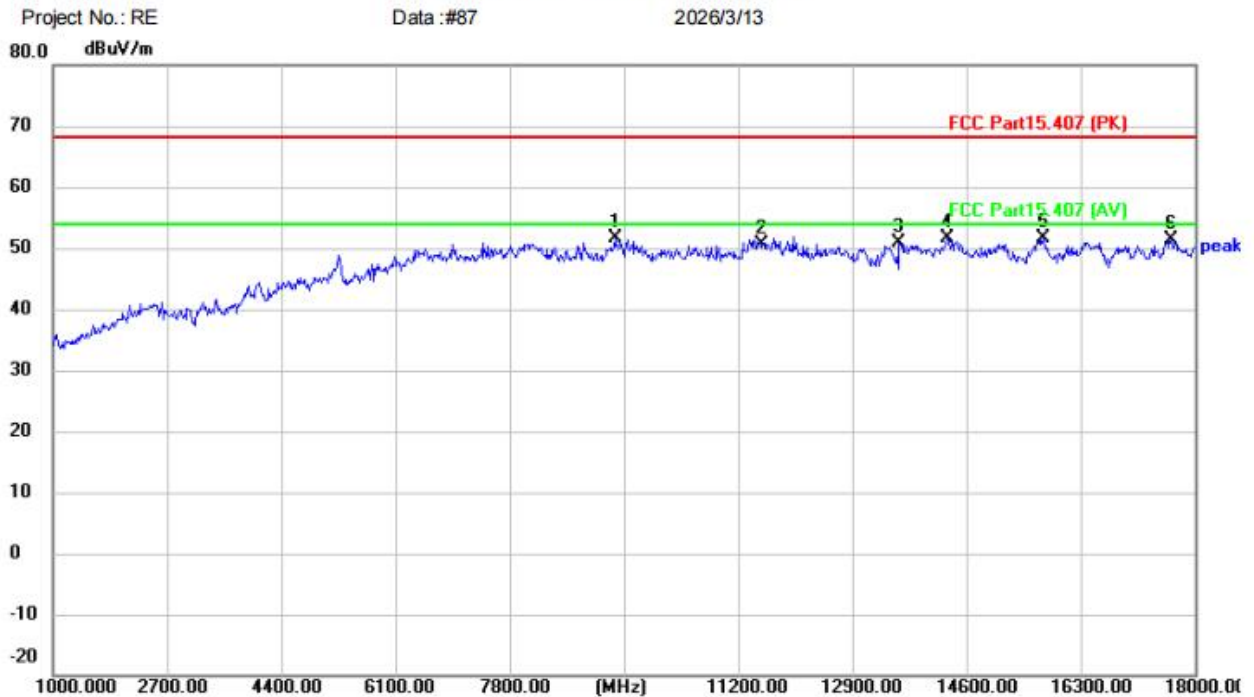
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		9381.000	38.44	12.97	51.41	68.20	-16.79	peak	
2		11490.00	35.68	14.81	50.49	68.20	-17.71	peak	
3		13597.00	38.35	12.90	51.25	68.20	-16.95	peak	
4	*	14413.00	41.26	10.68	51.94	68.20	-16.26	peak	
5		15093.00	42.15	9.53	51.68	68.20	-16.52	peak	
6		16334.00	42.40	9.27	51.67	68.20	-16.53	peak	

Test Result: Pass

[Test mode:Band4 TX middle channel]; [Polarity: Horizontal] ;[Power: DC5V]

Radiated Emission Measurement



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

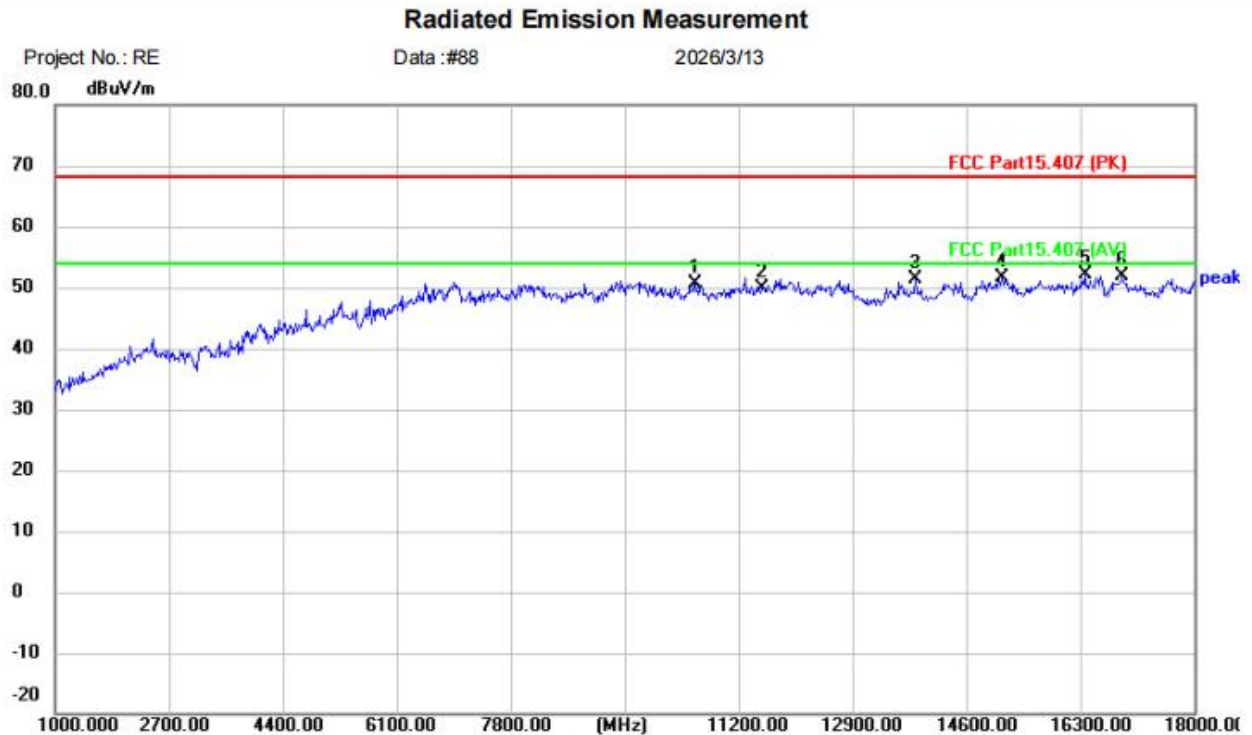
Mode: 5G-Band4-5785

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		9364.000	38.35	13.21	51.56	68.20	-16.64	peak	
2		11570.00	35.89	14.80	50.69	68.20	-17.51	peak	
3		13597.00	37.96	12.90	50.86	68.20	-17.34	peak	
4	*	14311.00	40.67	11.04	51.71	68.20	-16.49	peak	
5		15739.00	42.37	9.19	51.56	68.20	-16.64	peak	
6		17643.00	41.03	10.30	51.33	68.20	-16.87	peak	

Test Result: Pass

[Test mode:Band4 TX middle channel]; [Polarity: Vertical] ;[Power: DC5V]



Site: Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

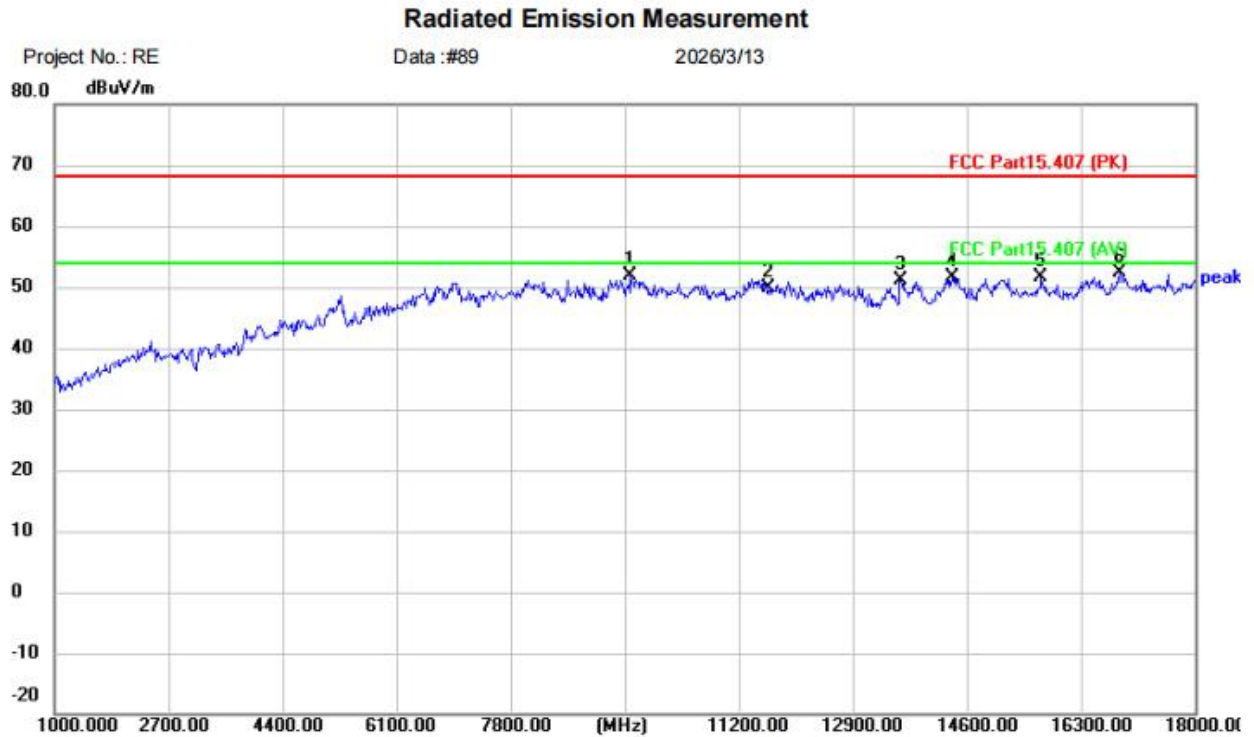
Mode: 5G-Band4-5785

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10554.00	36.98	13.67	50.65	68.20	-17.55	peak	
2		11570.00	35.14	14.80	49.94	68.20	-18.26	peak	
3		13835.00	40.86	10.47	51.33	68.20	-16.87	peak	
4		15127.00	42.21	9.47	51.68	68.20	-16.52	peak	
5	*	16368.00	42.61	9.40	52.01	68.20	-16.19	peak	
6		16929.00	41.76	10.04	51.80	68.20	-16.40	peak	

Test Result: Pass

[Test mode:Band4 TX High channel]; [Polarity: Horizontal] ;[Power: DC5V]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

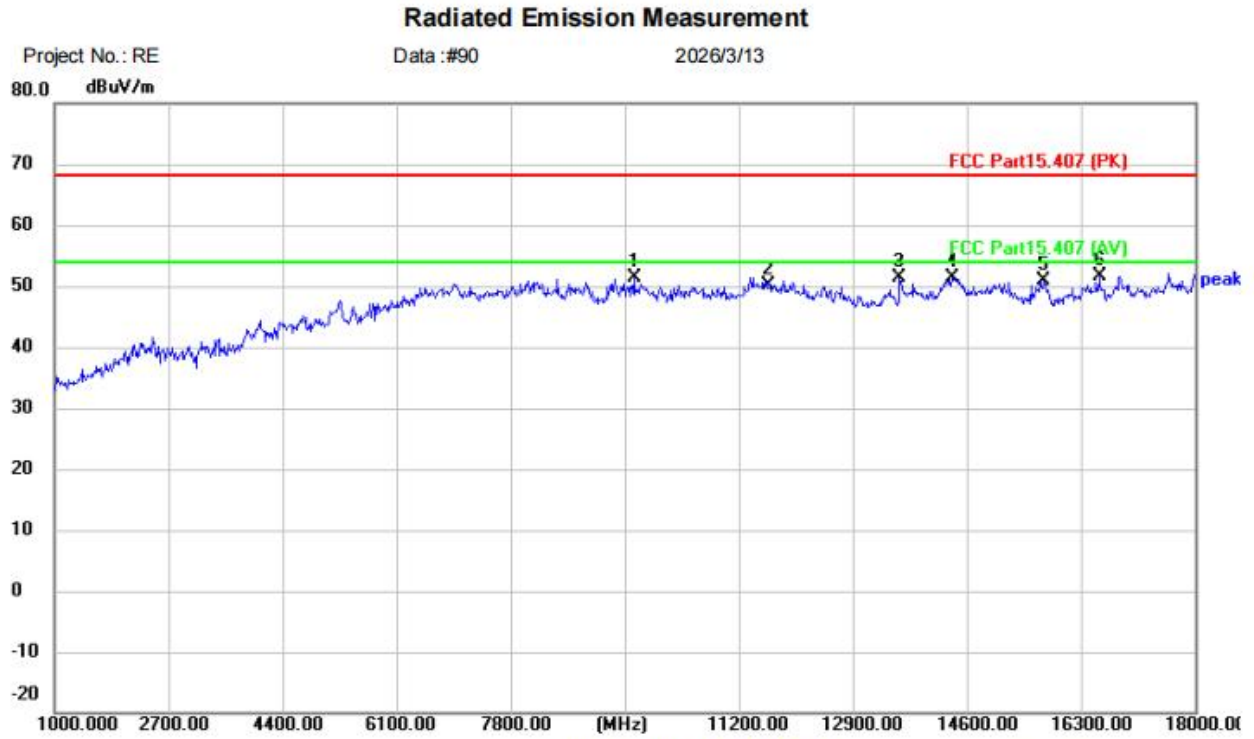
Mode: 5G-Band4-5825

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		9585.000	38.97	13.00	51.97	68.20	-16.23	peak	
2		11650.00	35.67	14.12	49.79	68.20	-18.41	peak	
3		13614.00	38.57	12.66	51.23	68.20	-16.97	peak	
4		14379.00	40.88	10.78	51.66	68.20	-16.54	peak	
5		15705.00	42.07	9.45	51.52	68.20	-16.68	peak	
6	*	16878.00	41.90	10.40	52.30	68.20	-15.90	peak	

Test Result: Pass

[Test mode:Band4 TX High channel]; [Polarity: Vertical] ;[Power: DC5V]



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15.407 (PK) Power: Humidity: %RH

EUT: Car Kit WiFi Module

M/N: WF-MA80-FY3

Mode: 5G-Band4-5825

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		9636.000	37.92	13.34	51.26	68.20	-16.94	peak	
2		11650.00	36.01	14.12	50.13	68.20	-18.07	peak	
3		13597.00	38.45	12.90	51.35	68.20	-16.85	peak	
4		14379.00	40.62	10.78	51.40	68.20	-16.80	peak	
5		15739.00	41.59	9.19	50.78	68.20	-17.42	peak	
6	*	16572.00	40.87	10.81	51.68	68.20	-16.52	peak	

Test Result: Pass

Note:When scanning in the range of 1GHz~ 40GHz and the interference above 18GHz is very small, it is a low noise signal. The point shown in the figure above is the highest emission that can be found during the test, so only the above point is shown. The fundamental frequency is blocked by the filter. Only stray emission.

During the test, pre-scan the (Band1-4)802.11a/n/ac /ax mode, and found the 802.11ac mode which it is worse case, only the worse case 802.11ac was recorded in the report.

6.13 Radiated emissions which fall in the restricted bands

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	KDB 789033 D02 II G
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.13.1 Limit

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.