Fibocom Wireless Inc.

Federal Communications Commission
7435 Oakland Mills Road
Columbia MD 21046

C.C.: TCB TIMCO ENGINEERING, Inc. FCC TCB
13146 NW 86th Drive Suite 400 Alachua, FL 32615

Subject: Requesting Class II permissive change for FCC ID: ZMONL668LA05
To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for
FCC ID: ZMONL668LA05, granted on 02/22/2022.
The major change field under this application is:

1. Added the antenna (ant.2~7) which maximum antenna gain are larger than the original.
   Original antenna:

For GSM:

Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
N/A	N/A	Dipole	SMA	-1.4	GSM 850
				0.9	PCS 1900

Note: The antenna gain is provided by the manufacturer.

For WCDMA:

Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
N/A	N/A	Dipole	SMA	0.9	WCDMA Band II
				1.4	WCDMA Band IV
				-1.4	WCDMA Band V

Note: The antenna gain is provided by the manufacturer.

For LTE:

Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
N/A	N/A	Dipole	SMA	0.9	LTE Band 2
				1.4	LTE Band 4
				-1.4	LTE Band 5
				2.6	LTE Band 7
				-1.4	LTE Band 12
				-0.7	LTE Band 17
				1.8	LTE Band 38
				1.6	LTE Band 66

New antenna:
GSM:

2		F-0Y-31-0116-001-K0	Dipole	N/A	-2.46	GSM 850
					2.85	PCS 1900
3		F-0Y-31-0116-002-K0	Dipole	N/A	-0.39	GSM 850
					1.48	WCDMA Band II
4		TQX-071427HK22	Dipole	IPEX	1.97	GSM 850
					5.41	PCS 1900
5	Kenbotong	KIT-HK23-PT24-4G	Dipole	IPEX	2.76	GSM 850
					4.57	PCS 1900
6		F-0Y-31-0166-001-K0	Dipole	N/A	1.55	GSM 850
					3.75	PCS 1900
7	Kenbotong	TQX-071427HK22-L	Dipole	IPEX	1.99	GSM 850
					3.48	PCS 1900

WCDMA:

2		F-0Y-31-0116-001-K0	Dipole	N/A	2.85	WCDMA Band II
					2.26	WCDMA Band IV
					-2.46	WCDMA Band V
3		F-0Y-31-0116-002-K0	Dipole	N/A	1.48	WCDMA Band II
					3.51	WCDMA Band IV
					-0.39	WCDMA Band V
4		TQX-071427HK22	Dipole	IPEX	5.41	WCDMA Band II
					3.55	WCDMA Band IV
					1.97	WCDMA Band V
5	Kenbotong	KIT-HK23-PT24-4G	Dipole	IPEX	4.57	WCDMA Band II
					2.68	WCDMA Band IV
					2.76	WCDMA Band V
6		F-0Y-31-0166-001-K0	Dipole	N/A	3.75	WCDMA Band II
					3.6	WCDMA Band IV
					1.55	WCDMA Band V
7	Kenbotong	TQX-071427HK22-L	Dipole	IPEX	3.48	WCDMA Band II
					2.65	WCDMA Band IV
					1.99	WCDMA Band V

LTE:

2		F-0Y-31-0116-001-K0	Dipole	N/A	2.85	LTE Band 2
					2.26	LTE Band 4
					-2.46	LTE Band 5
					3.39	LTE Band 7
					0.54	LTE Band 12
					0.54	LTE Band 17
					3.39	LTE Band 38
					2.26	LTE Band 66
3		F-0Y-31-0116-002-K0	Dipole	N/A	1.48	LTE Band 2
					3.51	LTE Band 4
					-0.39	LTE Band 5
					2.53	LTE Band 7
					2.5	LTE Band 12
					2.5	LTE Band 17
					2.27	LTE Band 38
					3.51	LTE Band 66

Ant.	Brand	Model Name or P/N	Antenna Type	Connector	Gain (dBi)	Note
4		TQX-071427HK22	Dipole	IPEX	5.41	LTE Band 2
					3.55	LTE Band 4
					1.97	LTE Band 5
					3.4	LTE Band 7
					5.1	LTE Band 12
					5.1	LTE Band 17
					3.4	LTE Band 38
					3.96	LTE Band 66
5	Kenbotong	KIT-HK23-PT24-4G	Dipole	IPEX	4.57	LTE Band 2
					2.68	LTE Band 4
					2.76	LTE Band 5
					3.35	LTE Band 7
					3.85	LTE Band 12
					3.85	LTE Band 17
					3.18	LTE Band 38
					2.68	LTE Band 66
6		F-0Y-31-0166-001-K0	Dipole	N/A	3.75	LTE Band 2
					3.6	LTE Band 4
					1.55	LTE Band 5
					4.71	LTE Band 7
					-0.02	LTE Band 12
					-0.02	LTE Band 17
					4.71	LTE Band 38
					3.6	LTE Band 66
7	Kenbotong	TQX-071427HK22-L	Dipole	IPEX	3.48	LTE Band 2
					2.65	LTE Band 4
					1.99	LTE Band 5
					2.27	LTE Band 7
					3.26	LTE Band 12
					3.26	LTE Band 17
					2.49	LTE Band 38
					2.65	LTE Band 66

2. The MPE was re-evaluated and compliance with the standard. Changed the mode of reported power to conducted.

Please contact me if you have any questions or need further information regarding this application.

Best Regards

Patrick Ma

Name: Patrick Ma
Title: Certification Director
Date: 03-12-2025