

TCB

GRANT OF EQUIPMENT AUTHORIZATION

TCB

Certification

Issued Under the Authority of the
Federal Communications Commission

By:

TUV SUD BABT
Forsyth House Churchfield Road
Walton-on-Thames, Surrey, KT12 2TD
United Kingdom

Date of Grant: 04/24/2014

Application Dated: 04/23/2014

Twinhead International Corporation
10F, No. 550, Rueiguang Rd
Neihu, Taipei, 114
Taiwan

Attention: James Lai , Manager, Systems Engineering Dept

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE,
and is VALID ONLY for the equipment identified hereon for use under the
Commission's Rules and Regulations listed below.

FCC IDENTIFIER: FKGEM7355

Name of Grantee: Twinhead International Corporation

Equipment Class: PCS Licensed Transmitter

Notes: Radio Module

Modular Type: Single Modular

Grant Notes	FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
BC	22H	824.0 - 849.0	1.841	2.5 PM	249KGXW
BC	22H	824.0 - 849.0	0.551	2.5 PM	240KG7W
BC	24E	1850.0 - 1910.0	0.91	2.5 PM	244KGXW
BC	24E	1850.0 - 1910.0	0.381	2.5 PM	240KG7W
BC	90	817.0 - 824.0	0.264	2.5 PM	1M28F9W
BC	22H	824.0 - 849.0	0.274	2.5 PM	1M29F9W
BC	24E	1850.0 - 1910.0	0.273	2.5 PM	1M28F9W
BC	22H	824.0 - 849.0	0.197	2.5 PM	4M18F9W
BC	24E	1850.0 - 1910.0	0.209	2.5 PM	4M20F9W
BC	27	1710.0 - 1755.0	0.2	2.5 PM	4M20F9W
BC	24E	1850.0 - 1910.0	0.222	2.5 PM	4M52F9W
BC	24E	1850.0 - 1910.0	0.218	2.5 PM	9M04F9W
BC	24E	1850.0 - 1910.0	0.219	2.5 PM	13M5F9W
BC	24E	1850.0 - 1910.0	0.211	2.5 PM	17M9F9W
BC	22H	824.0 - 849.0	0.197	2.5 PM	4M52F9W
BC	22H	824.0 - 849.0	0.195	2.5 PM	9M04F9W
BC	24E	1850.0 - 1915.0	0.223	2.5 PM	4M50F9W
BC	24E	1850.0 - 1915.0	0.219	2.5 PM	9M04F9W
BC	24E	1850.0 - 1915.0	0.22	2.5 PM	13M4F9W
BC	24E	1850.0 - 1915.0	0.218	2.5 PM	17M9F9W
BC	27	1710.0 - 1755.0	0.218	2.5 PM	4M48F9W
BC	27	1710.0 - 1755.0	0.217	2.5 PM	9M04F9W
BC	27	1710.0 - 1755.0	0.218	2.5 PM	13M4F9W

BC	27	1710.0 - 1755.0	0.214	2.5 PM	17M9F9W
BC	27	704.0 - 716.0	0.206	2.5 PM	4M48F9W
BC	27	704.0 - 716.0	0.196	2.5 PM	9M08F9W
BC	27	777.0 - 787.0	0.2	2.5 PM	4M52F9W
BC	27	777.0 - 787.0	0.187	2.5 PM	9M08F9W

Power out is conducted at the antenna terminal. Single Modular Approval. This device is to be used only for mobile and fixed application. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter evaluation procedures as documented in this filing. End-Users must be provided with transmitter operation conditions for satisfying RF exposure compliance. OEM integrators must insure that the end user has no manual instructions to remove or install this module. For mobile and fixed operating configurations the antenna gain, including cable loss, must not exceed 6.5 dBi at 800 MHz and/or 850 MHz, 3.0 dBi at 1900 MHz, 9.0 dBi at 700 MHz and 6 dBi at 1700 MHz as defined in 2.1091 for satisfying RF exposure compliance. Under no conditions may an antenna gain be used that would exceed the ERP and/or EIRP power limits as specified in Part 22, 24, 27 and 90. The Grantee is responsible for providing the documentation required for modular use.

BC: The output power is continuously variable from the value listed in this entry to 5%-10% of the value listed.

