

Product Outline

This product has a function as an IEEE802.11 a/b/g/n/ac MIMO + BT + BLE

- Product Size : 11.0 x 8.8 x 1.15 [mm]
- RF-IC : Qualcomm QCA6174A
- Reference Clock : 48MHz X'tal

Feature

- Product Name : Communication Module
- Model Name : 1CQ
- Purpose of the equipment : Telecommunication
- Equipment Type : Transceiver
- Frequency : 2.4~2.485, 5.15~5.35, 5.47~5.725, 5.725~5.85GHz
- Channel : 1~11ch/ 36~64ch/(FCC:100~144ch)(IC:100~116, 132~144ch)
149~165ch
- Bandwidth : 2.4GHz 11n 20MHz/40MHz,
5GHz 11a (20MHz) / 11n (20/40MHz)
11ac (20/40/80MHz)
- Input Voltage to RF parts : VDD_3P3/SWREG_IN/VDD_FEM Typ.3.3V

1CQ User Manual

WLAN	STA	2.4GHz	11b/g/n	HT20	1ch-11ch
		5GHz	11a	HT20	W52/53/56/58 with ch144/142/138 There is Slave DFS test. DFS(Device without Radar detection capability) No TPC
			11n	HT20/40	
			11ac	VHT20/40/80	
BT	BR /EDR / LE				



FCC ID of this product is as follows.

FCC ID: VPYLB1CQ

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module. The end user manual shall include all required regulatory information/warning as shown in User manual.

The host will Satisfy Class I or Class II permissive change based this module FCC ID.

Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference and
- 2) this device must accept any interference received, including interference that may cause undesired operation of the device.

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Compliance with FCC requirement 15.407(c)

Data transmission is always initiated by software, which is then passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinues transmission in case of either absence of information to transmit or operational failure.

Frequency Tolerance: $\pm 20\text{ppm}$

Notice

- Please describe the following warning on the final product which contains this module.

Contains Transmitter Module FCC ID:VPYLB1CQ

or

Contains FCC ID: VPYLB1CQ

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference and
- 2) this device must accept any interference received, including interference that may cause undesired operation of the device.

※When the product is small, as for these words mentioned above, the posting to a manual is possible.

- Please describe the following warning to the manual.

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Compliance with FCC requirement 15.407(c)

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Frequency Tolerance: $\pm 20\text{ppm}$

● When installing it in a mobile equipment. Please describe the following warning to the manual.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

● When installing it in a portable equipment.

It is necessary to take a SAR test with your set mounting this module.
Class II permissive change application is necessary using the SAR report.
Please contact Murata.

Note)

Portable equipment : Equipment for which the spaces between human body and antenna are used within 20cm.

Mobile equipment : Equipment used at position in which the spaces between human body and antenna exceeded 20cm.