



Intel® Video Link Module Rx 5.8 GHz Model: VLMRX58G

Manual (USA)

Revision 2.0

Revision History

Revision	Description	Date
2.0	VLMRX58G – C2PC, Intel FA5, Micro-UFL, USA	2017-04-01

Overview

The VLMRX58G is the image receiving device of a wireless video link system consisting of a VLMTX58G transmitter and a VLMRX58G receiver/transceiver.

Instruction

Do only use

- with specified antennas
- within specified supply voltage range
- interfacing via provided HDMI, USB port.



Specification:

Supported frequency ranges	5.15 GHz – 5.25 GHz 5.25 GHz – 5.35 GHz (DFS) 5.470 GHz – 5.725 GHz (DFS) 5.725 GHz – 5.85 GHz
DFS Operation	Master (with radar detection)
Modulation	OFDM 16QAM (similar to 802.11a/n) on a proprietary protocol
Bandwidth	40 MHz
Data Rates	40 MHz mode: 72.46 Mbps
Supply Input range	Min. 6 V _{DC} , Typ. 10 V _{DC} , Max. 28 V _{DC}
Antenna connection	μUFL Connector type: 50 Ohm nominal
Permissive antenna type/gain	Intel FA5 antenna Model: Antenna-002 Peak Gain: 8.02dBi Type: (Circularly polarized) patch antenna
Antenna configuration	3 antennas (2 receiving antennas, 1 antenna multiplexed to 1x receiving RF 1x transmitting antenna port

Transmitter Output Power

Band	USA output power (conducted)
Band 1 5.15 GHz – 5.25 GHz	5190MHz (CH38): 13.93 dBm 5230MHz (CH46): 14.24 dBm
Band 2 5.25 GHz - 5.35 GHz	5270MHz (CH54): 14.41 dBm 5310MHz (CH62): 15.11 dBm
Band 3 5.470 GHz - 5.725 GHz	5510MHz (CH 102): 12.57 dBm 5550MHz (CH 110): 12.68 dBm 5590MHz (CH118): 12.13 dBm 5670MHz (CH134): 12.74 dBm
Band 4 5.725 GHz – 5.85 GHz	5755MHz (CH 151): 12.78dBm 5795MHz (CH159): 14.30dBm



Connection

Figure 1 VLMRX58G Top View

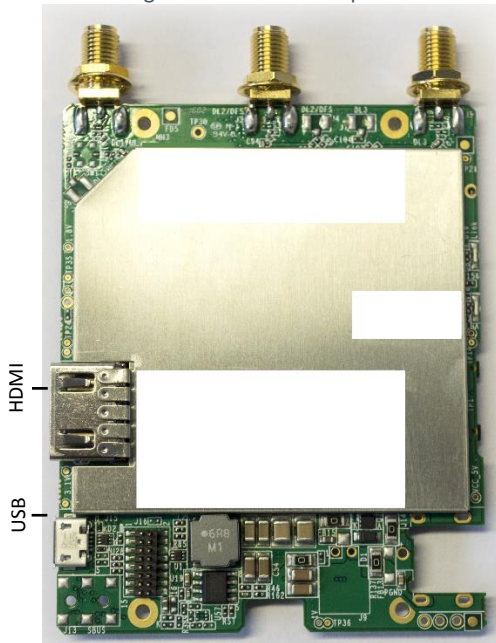


Figure 2 VLMRX58G Bottom View



FCC Statement

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not in-stalled and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Important Note

Changes or modifications made to this equipment not expressly approved by Intel Corporation may void the FCC and ISED authorization to operate this equipment.



The product is provided with an approved antenna. Use only supplied or approved antenna by Intel Corporation. Any changes or modifications to the Antenna may void the FCC and ISED regulatory approvals obtained for the product.

End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons. RF exposure compliance must be ensured by integrator.

Contact

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