

Response to Non-Conformities for QIUCXP-MVA-GWY, correspondence number 31488

- 1) What is the burst rate and duty-factor used to generate data traffic during testing?  
Since this device is 0.1 dB from the limit they should have been set at the maximum achievable rate.

**Response: *Our Burst rate is around 100/sec.We used maximum achievable rate.***

- 2) The operational description mentions that the MV modulation is OFDM using 1573 carriers. Is this the same modulation used for low-voltage operation?

**Response: *Both MV modulation and LV modulation is OFDM and are based on 1536 carrier.***

- 3) Are other modulations (other than OFDM) used at various data rates? If so, please describe.

**Response: *There is no other modulation other than OFDM can be used with this equipment.***

- 4) The test plan Technical Summary states that MV is from 2-34 MHz and LV is from 2-12 MHz. The LV data seems to show operation above 12 MHz. Verify the frequency bands of operation.

**Response: *A revised test plan (revision 4) has been uploaded.***

- 5) Please supply the notch capability information. All test data was done with ALL notching off which is not permitted for normal operation. Please supply data or manufacturers information as to the notch capability.

**Response:**

***The Default notch embedded in the equipment is the following:***

***Firmware defined Notch 0: start: 1800 KHz, stop: 2000 KHz,***

***Firmware defined Notch 1: start: 3500 KHz, stop: 4000 KHz,***

***Firmware defined Notch 2: start: 7000 KHz, stop: 7300 KHz,***

***Firmware defined Notch 3: start: 10100 KHz, stop: 10150 KHz,***

***Firmware defined Notch 4: start: 14000 KHz, stop: 14350 KHz,***

***Firmware defined Notch 5: start: 18068 KHz, stop: 18168 KHz,***

***Firmware defined Notch 6: start: 21000 KHz, stop: 21450 KHz,***

***Firmware defined Notch 7: start: 24890 KHz, stop: 24990 KHz,***

***Firmware defined Notch 8: start: 28000 KHz, stop: 29700 KHz***

- 6) In the test plan under Compliance Summary there are several compliance items that state that the customer is to provide information in the operational description and attestation statements. This information is missing. Upload this information. It includes items like Interference Mitigation and Avoidance, notch capability, power up default

conditions for both default notching and power settings, shut down capability, exclusion bands, etc.

**Response: Revised operation (revision 1) description has been uploaded.**

7) The user's manual describes several features that might be used for compliance. It is not clear how the utility would set the notch if there was a complaint on a specific frequency. Please clarify how this would be done.

**Response: *Additional notches can be added at any given time after the equipment install. Simply use a supplied program to add in new notch definitions. These new notch will be added to the installed system through existing network remotely.***

8) If possible, have the manufacturer provide photos of all couplers.

**Response: 3 photos have been uploaded.**