

Dear FCC Staff,

We have worked with the testing laboratory to address the issues that you have identified. They have revised the test reports indicated below:

- Part 96 RF tests.
- MPE assessment.

We have revised the 731 Form to account for the 20+20 modes. This summary should help to illustrate the situation, with specific test report references to support them:

3560	3690	108.64 W (50.36dBm from report page 26 Total EIRP power	17M9G7D (occupied bandwidth value from report page 45. 20+20MHz)	20+20M QPSK Multi carrier Mode
3560	3690	104.95W (50.21dBm from report page 26 Total EIRP power	17M9W7D (occupied bandwidth value from report page 45. 20+20MHz)	20+20M QAM Multi carrier Mode
3560	3690	63.1W (48.0dBm from report page 25 Total EIRP power	17M9G7D (occupied bandwidth value from report page 45. 20MHz)	20M-QPSK Single carrier Mode
3560	3690	64.57W (48.1dBm from report page 25 Total EIRP power	17M9W7D (occupied bandwidth value from report page 45. 20MHz)	20M-QAM Single carrier Mode
3555	3695	34.67W (45.4dBm from report page 25 Total EIRP power	8M99G7D (occupied bandwidth value from report page 45. 10MHz)	10M-QPSK Single carrier Mode
3555	3695	40.74W (46.1dBm from report page 25 Total EIRP power	9M01W7D (occupied bandwidth value from report page 45. 10MHz)	10M-QAM Single carrier Mode

As for the EIRP issue you raised, the laboratory determined that the fault lay with a calculation error in the tables of Appendix A, while summing up the total EIRP. According to the manufacturer's declaration, the device supports two cross-polarized antennas, and that the transmitter outputs is a 90-degress phase-shifted replica of the other, and the phase centers of the antennas are co-located, EIRP shall be individually calculated based on the output ports designed to be in Horizontal polarization and Vertical polarization. Appendix A of the test report has been updated to indicate that all the results are now compliant.

Please update the grant if the EIRP power was taken incorrectly.

In addition, they updated the MPE report by applying time-averaged effective radiated power for power density calculation. The compliance distance remains unchanged from the original filing.

Please let us know if you have any further issues or concerns.

Please let us know once/if we can mark previous reports and MPE as supersede.

Thanks and regards,  
TIMCO Engineering, Inc.