

**Question1:**

Please verify the MPE calculation.

(PG)/4\*pi\*R^2  
EIRP = 40.29 dBm + 18 + 1dBi = 59.29 dBm EIRP MAX ( antenna gain = 18 +/- 1 dBi)  
59.29 dBm EIRP / 4 \* 3.14 \* 300^2  
849180.47mW / 4 \* 3.14 \* 90000 = .7508 mW/cm  
Please verify and revise the MPE if required.

Answer: We have revised it on MPE Report.

**Question2:**

The 731 form indicates FCC Part 27. Test report indicates FCC Part 22H on cover sheet, Please correct the test report to reference the correct rule part.

Answer: We have revised it on Test Report.

**Question3:**

The spectrum analyzer plots provided in section 5 do not appear to indicate the integrated channel power. Please provide plots showing the integrated channel power or indicate where the integrated channel power is shown or calculated from the plots provided or kindly outline how the reported RF power is determined from these plots.

Answer: We have explained it on page9. Exp: Power on 2510= Measurement Value+ Att Loss +Cable Loss= -0.99dBm+40dB+2dB=41.01dBm.

**Question4**

Section 8 of the test report, EIRP, states that a QP detector was used. This measurement should be peak. Please provide peak data.

Answer: We have revised it. The data is the peak value.

**Question5**

It appears on the plots for the occupied BW that the plot for 2510 indicates a total power of approximately -10 dBm while the other two plots indicate a total power of approximately 25 dBm. Please verify the correct transmit power was used for the measurement at 2510MHz

Answer: The plot of 2510 is not the appropriated power. It will not affect the test result. OBW is determined by the FIR filter in FPGA not the power. The OBW of a signal before PA or after PA is the same.

**Question6**

Per 2.1033 (c)(8) please provide DC voltages and currents applied to elements of the final RF amplifying circuitry for normal operating conditions at maximum transmit power.

Answer: DC Voltage is 28V, current is 4A. We have added it on the circuit description on page 3

**Question7**

The 731 form indicates the operating frequency range of the device. Please confirm the lowest operating channel is 2510MHz.

Answer: 2510, 2540, 2580 are randomly chosen, just the low, middle, high frequency point. We can also choose 2490, 2530, 2570 to test.