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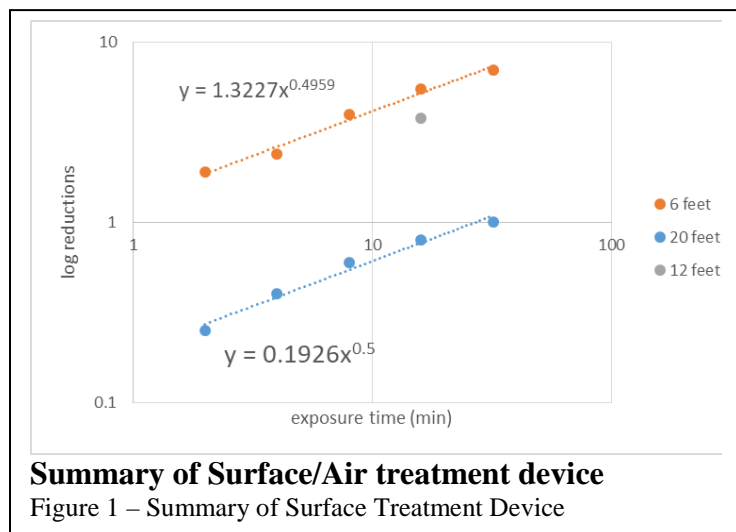
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Subject: Wavelengths UV Technologies Air and Surface UVC Disinfection Systems Validated Performance

Spectral Platforms Inc. provides this letter to confirm that 3rd party validation testing has been satisfactorily completed for the Wavelengths air and surface disinfection systems, developed and manufactured by Wavelengths UV Technologies, Valencia, California, USA. Spectral Platforms personnel performed all testing, sampling, data analysis, documentation, and final report preparation. The testing was performed at Spectral Platforms facilities located in Duarte, California, USA. The systems were tested under a wide range of distances and air flow rates and various bacteria and viruses, including SARS CoV19. Results are detailed in the full test report, and are summarized below.

- Both Air and Surface devices are very effective in reducing the concentration of viable bacterial and viral pathogens. The killing efficacy depends on exposure time and distance from the UVC light source. For the surface/air device, the concentration of SARS CoV19, *C. difficile*, and other pathogens were all



reduced by significant amounts, as described in the Full test report. The reduction in SARS CoV19 concentrations follows a scaling behavior with exposure time and distance, as summarized in the Figure 1. As an example,

a room 12' x 12' x 12', for exposure times of 8 and 32 minutes, the SARS CoV19 concentration was reduced by about 4 log units (by 99.99%) and 7 log units (by 99.99999%), respectively, utilizing Wavelengths UV surface unit. Up to 9 log units of reduction was observed with other bacterial pathogens.

- For the air treatment device, when operated with a continuous aerosol source within a 30 cubic foot chamber, the pathogen concentration builds up exponentially with time when the UVC light is off, and decreases exponentially with time when the UVC light is turned on. This behavior is depicted in Figure 2, and is detailed in the final report. The scaling behavior was based on a continuous aerosol source, and the device should be installed within a room where the air can flow freely. Multiple systems may be needed in a larger area to encourage circulation.

