

Exhibit 2

Modulating Signal Description

Under this STA, the applicant will operate a commercially available, off-the-shelf, 802.11g device and translate the output signal to/from the 5.8 GHz frequency band.

The radio specific to be used is the D-Link DWL-2100AP. This device bears FCC ID: KA220030603014-1. This radio offers DSSS and OFDM signal modulation in accordance with IEEE 802.11b and 802.11g standards. While the applicant has specified an emission designation of XXD, the Office of Engineering and Technology is likely familiar with this specific class of emission.

The output of the DWL-2100AP resides within the 2.4 GHz unlicensed, Part 15 frequency band. The applicant will provide this signal to the input of the Hyperlink Technology HC2458-200 bi-directional frequency converter. The HC2458 device mixes the input signal with a 3360 MHz local oscillator to yield an output signal in the 5.8 GHz, unlicensed frequency band. From the Hyperlink Technology website (www.hyperlinktech.com/web/hc2458-200.php):

The HC2458-200 is a 200mW high performance bi-directional frequency up/down converter that converts 2.4 GHz wireless equipment to the less crowded 5.8 GHz frequency band. Its rugged weatherproof design allows installation indoors as well as outdoors using the included mast mounting kit. The converter's remote-mounted design maximizes operating range by delivering full transmit power and low-noise receive gain directly at the antenna where it is most effective. The included DC Power Injector and Power Supply provide power to the converter unit through the antenna cable, simplifying installation. Current-sensing circuits in the DC Injector provide remote diagnostic LEDs.

The 200 mW output of the HC2458 device is fed to a 17 dBi antenna yielding EIRP of approximately 7.8 Watts.