

Wireless Facilities, Inc.

FCC Form 442

Exhibit 2: Response & Addendums to Items 4 & 13
Equipment and Transmission Specifications

Equipment Used in the Proposed Study

Where such information may not have been properly expressed and formatted in the online proposal, the following document has been prepared for review.

For the instant proposal, Applicant proposes to operate the following equipment:

Manufacturer	Model Number	No. of Units	Experimental
Agilent (Source Module)	HP 8360	1	No
Agilent (Amplifier)	HP 8349B	1	No
Agilent (mm-Wave)	HP 83558A	1	No

Proposed Transmission Specifications

Transmit Power	RF Output Power	ERP	Frequencies	Emissions	Modulating Signal
0 dBm (Max)	0 dBm	+ 25 dBm	90 - 100 GHz	Various ¹	Various ²

Bandwidth & Emissions

Bandwidth	Emissions
1 – 10 GHz ³	Various

Antennas

Gain	Frequency Range	Beamwidth	Horizontal Orientation	Vertical Orientation
25 dB	70 – 100 GHz	1.8 °	0° – 360° Various	0° – 360° Various

* Note: Applicant requests authority to test fixed point-to-point transmissions in various locations throughout the Washington Major Trading Area.

¹ Pursuant to the instant proposal, WFI requests authority to operate using various emissions and modulating signals during the testing period. WFI anticipates, for the purposes of carrying digital data, that emissions will be digital, as well as spectrally efficient.

² Authority is requested to operate using various types of modulation, including QAM, OFDM, and others. WFI desires to accurately model the performance of the channel in high frequency environs under a variety of modulations.

³ WFI requests authority to vary the bandwidth of the wireless channel to better study the effect of such changes on throughput of data to the receiver. Applicant also requests authority to vary the type of emissions generated to record and measure accurately field performance versus channel modeling theoretical studies that are being conducted.