

From: Edward Simons

To: Behnam Ghaffari

Date: December 16, 2015

Subject: FCC File No. 0317-EX-RR-2015

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Message:

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In reply to FCC's question of December 16, 2015,

Please address the following item for 2267.71653500, 2283.464567, 2285.714286, and 2299.212598 (all in MHz):

To provide additional information on why this sweep capability is needed.

Although this is not a linear sweep, like an RF sweep generator, the step chirp waveform that steps frequency to frequency is an integral part of collecting data. We perform a Fast Fourier Transform (FFT) of the frequency data to convert to time domain and plot high resolution range profile information.