

## EXHIBIT

### NTIA Section 8.3.28 Certification

1. BNSF certifies the GPS passive repeater is for indoor use only, in the company's Cascade tunnel, as provided in the application accompanying this exhibit.
2. The application for frequency assignment has been submitted indicating the GPS passive repeater will be used as "Experimental RNSS Equipment for the purpose of repeating GPS in tunnels."
3. The approved application for frequency assignment for BNSF's operations will be entered in NTIA's government master file (GMF).
4. The proposed operations have been requested for no more than two years, with possible renewal should additional operations be required.
5. The area of potential interference to GPS reception is under the control of the user.
6. The maximum equivalent isotropically radiated power (EIRP) emissions are no greater than -140 dBm/24 MHz, as received by an isotropic antenna at a distance of 100 feet (30 meters) from the facility. The calculations showing compliance with this requirement are provided with the application for frequency assignment and based on free space propagation with no allowance for additional attenuation (*e.g.*, building attenuation). A copy of the link budget calculations is attached for reference.
7. Signs will be posted to notify GPS users in the area to potential interference to GPS reception that GPS information may be impacted for periods of time.
8. The GPS passive repeater operation will be used for the purpose of repeating GPS in a tunnel.
9. Chris Scheffler (913-551-4015) is the "Stop Buzzer" point of contact for the authorized GPS passive repeaters and is available at all times during GPS re-radiation operation of the devices under any condition.