

EXHIBIT
NTIA Section 8.3.28 Certification

1. BNSF certifies the GPS passive repeater is for indoor use only, at the company's Kansas City central rail repair facility as provided in the application accompanying this exhibit.
2. The application for frequency assignment has been submitted to the FCC requesting an XT station class indicating the GPS passive repeater will be used as an "Experimental RNSS Test Equipment for the purpose of testing GPS receivers".
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 at the Kansas City facility have been requested for two years, with possible renewal should additional operations be required.
5. The area of potential interference to GPS reception (e.g., military or contractor facility) will be 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 Kansas City facility. The calculations showing compliance with this requirement must be provided with the application for frequency assignment and should be based on free space propagation with no allowance for additional attenuation (e.g., building attenuation.) A copy of the link budget calculation is attached for reference.
7. Signs will be posted to notify GPS users in the area to potential interference to GPS reception and that GPS information may be impacted for periods of time.
8. The GPS passive repeater operations will be used for the purpose of testing Radionavigation Satellite Service equipment/systems incorporated into Positive Train Control devices.
9. Jeffrey Gray (913-551-4540) is the point of contact for the authorized GPS passive repeater and is available at all times during GPS re-radiation operation of the device under any condition.