

FORM NTIA-44 (3/91)	U.S. DEPARTMENT OF COMMERCE NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION	Classification <b>DOCKET FILE COPY ORIGINAL</b> <b>UNCLASSIFIED</b>	Control Number SPS-18004/1
<b>CERTIFICATION OF SPECTRUM SUPPORT</b>			

Recipient Agency DOT	System FHWA Step-Frequency Ground Penetrating Radar (SF GPR)	Stage of Review 4 – Operational
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**Section 1: OPERATING CHARACTERISTICS FOR WHICH SUPPORT IS CERTIFIED**

Frequency (MHz) 140-3000	Emission 2M54P0N	Power (mW) 0.316	Station Class MR	Operating Location US&P
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**Section 2: SOURCE DOCUMENTS**

Docket Number	Description of Document	Dated
SPS-16357/1	DOT FHWA Request for Stage 4 System Review	February 7, 2008
SPS-16380/1	NTIA Preliminary Assessment	June 6, 2008
SPS-17585/1	DOT FHWA Report "SF GPR Characterization and Federal Evaluation Tests"	September 1, 2010
SPS-17677/1	NTIA Review of Additional Data	November 15, 2010
SPS-17769/1	SPS Chairman's Memorandum: Revised Draft Certification	January 12, 2011
SPS-18003/1	DAA Memorandum NTIA/FCC MOU Coordination	May 18, 2011

**Section 3: SPS RECOMMENDATIONS**

The Spectrum Planning Subcommittee has reviewed this system under the provisions of Chapter 10 of the NTIA Manual, and recommends that:

1. NTIA certify Stage 4 spectrum support for the FHWA Step-Frequency Ground Penetrating Radar (SF GPR), as specified in Section 1.
2. DOT FHWA be aware that:
  - a. this system is operated on a non-interference unprotected basis because of non-conformance to the National Table of Frequency Allocations;
  - b. this system is subject to provisions of Section 5.1.2 of the NTIA Manual due to lack of proof of spectrum standards compliance;
  - c. operations of this system must implement frequency notching to preclude transmissions in the bands 608-614 MHz, 1400-1427 MHz, 1660.5-1668.4 MHz, and 2690-2700 MHz, in accordance with Footnote US246 of the National Table of Frequency allocations.
3. DOT FHWA ensure that this system will be immediately shut down upon notice of harmful interference from any Federal agency or from the FCC.

**FILED/ACCEPTED**

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JUN 13 2011

Federal Communications Commission  
Office of the Secretary

Name/Title of Recommending Official Stephen J. Butcher SPS Chairman	Signature 	Date <b>MAY 18 2011</b>
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**Section 4: NTIA CERTIFICATION**

The Office of Spectrum Management certifies Stage 4 spectrum support for this system.

This office concurs with the SPS recommendations in Section 3. I also note that in accordance with the agreement to provide a 15-day review period under the NTIA/FCC Memorandum of Understanding (IRAC Doc. 32801/1), the FCC submitted comments regarding this system that are contained in SPS-18003/1,

Name/Title of Certifying Official Edward M. Davison Deputy Associate Administrator	Signature 	Date <b>MAY 18 2011</b>
Downgrading Instructions	Classification <b>UNCLASSIFIED</b>	Distribution IRAC, SPS, FAS