



14 April 2017

Federal Aviation Administration  
Spectrum Engineering & Policy, AJW-1C  
800 Independence Avenue, S.W.  
Room 715E  
Washington, D.C. 20591

202.267.9710

Subject: Notification of FCC Equipment Certification Application for Sagetech XP Transponder  
model numbers XPC-TR, XPS-TR, and XPG-TR

FCC ID #: YT5XP-TR

Sagetech FRN: 0006855134

To Whom It May Concern,

In accordance with FCC Rules, CFR Title 47, Part 87, Subpart D, Paragraph 87.147(d), Paragraph 87.147(d)(1), and Paragraph 87.147(d)(3), notification is hereby given from Sagetech to file for FCC Equipment Certification for the Sagetech XP Transponder model numbers XPC-TR, XPS-TR, and XPG-TR.

The Sagetech XP Transponders are intended for small Unmanned Aircraft Systems (i.e., UAS Group 2) and general aviation. They have flown under FAA Certificates of Waiver or Authorization (COA) and in Military Operating Areas (MOA).

The models are similar in design with identical transmitter topology. All models have a rated power of 250 Watts nominal. The emission type is 14M0M1D and has a frequency range of  $1090 \pm 1$  MHz.

XPC-TR is an ATCRBS Airborne Transponder with an integrated blind altitude encoder. The equipment is designed to meet the requirements of TSO-C74d (Class A) and TSO-C88b.

XPS-TR is a Mode S Airborne Transponder with ADS-B Out function and an integrated blind altitude encoder. The equipment is designed to meet the requirements of TSO-C112e (Level 2els, Class 1), TSO-C166b (Class B0) and TSO-C88b.

XPG-TR is a Mode S Airborne Transponder with ADS-B Out function, an integrated blind altitude encoder and an integrated GPS Sensor. The equipment is designed to meet the requirements of TSO-C112e (Level 2els, Class 1), TSO-C166b (Class A0), TSO-C88b, and TSO-C145c (Class Beta-1).

The FCC has issued a Grantee Code of YT5 to Sagetech and the specific Equipment Number assigned to these devices is XP-TR.

#### **Sagetech Corporation**

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Physical Location / 186 E. Jewett Blvd., White Salmon, WA 98672 | (509) 493-1327



Sagetech.com

If you have any questions or concerns or feel additional documentation is necessary, please contact me by one of the methods below.

Respectfully Submitted,

A handwritten signature in black ink that reads "David Day".

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