



Castanet, March 10/2014

**Federal Communications Commission  
Authorization and Evaluation Division**

**Re.: Acknowledgment of FCC Modular approval requirements**

**Applicant: XPLOERER  
Product: XP228  
FCC ID: XFJ228  
IC: 8392A-XP228**

To Whom It May Concern:

The main PCB includes radio 2.4GHz part and signal treatment coming from metal detection. This board is included in search head and connected to a cable making detection. There are 3 sizes of search heads. That's why a limited modular approval is necessary.

<b>Modular approval requirement</b>	<b>Yes</b>	<b>No</b>
i) The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly;		✓
ii) The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal;	✓	
iii) The module must contain power supply regulation on the module;	✓	
iv) The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b);	✓	
v) The module must demonstrate compliance in a stand-alone configuration;		✓
vi) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements);	✓	
vii) The module must comply with all specific rules applicable to the transmitter. The grantee must provide comprehensive instructions to explain compliance requirements;	✓	
viii) The module must comply with RF exposure requirements. For any transmitters intended for use in portable devices, SAR compliance must be demonstrated to be independent of the host device. See KDB Publication 447498 as a guide to determine if a transmitter can be tested without being limited to a host device. If SAR compliance can only be demonstrated in specific host types or platforms, then the module type must be "limited."	✓	

- i. The radio elements aren't directly overlaid by a metal cover.
- v. The radio module is tested inside search head.

The radio module is installed into the host by XPLOERER and the plastic cover is stick before to be placed on the market. The radio module can't be then touched and modified.

Regards,  
Mr Alain Loubet, XPLOERER