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FAA – Federal Aviation Administration
Office of Spectrum Policy and Management
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Page: 1 of 2
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**Notification of FCC Equipment Certification Application for TQ-Systems KTX2-F Mode S Transponder
FCC ID: 2ANFF-KTX2F**

Dear Ladies and Gentlemen,

In accordance with FCC Rules and Regulations, CFR Title 47, Part 87, Chapter I; Part 87 - Aviation Services, notification is hereby given from TQ-Systems to file for FCC Equipment Certification for the TQ-Systems KTX2-F Mode S Transponder.

- Part numbers: 295153 (flat variant in 160mm Ø format)
- FCC ID: 2ANFF-KTX2F
- ETSO authorisation number: EASA.210.10070633
- EASA ETSO Authorization: ETSO-C88b (TSO-C88b), ETSO-C112e (TSO-C112e),
ETSO-C166b_A3 (TSO-C166b)
- Frequency range: 1090 ± 1 MHz (Tx); 1030 ± 1 MHz (Tx);
- Output Power: 250W (≥ 24dBW) @ 9 to 33VDC
- Emission designator: 9M80M1D

Additional detailed characteristic information is included in the documentation on the enclosed CD that supports this notification. The enclosed CD is labelled

"TQ-Systems KTX2-F Mode S Transponder FCC Documentation", and its contents are as listed in ATTACHMENT A.

In case of any requests, please do not hesitate to contact me.


Sincerely,

TQ-Systems GmbH

i.V. Thomas Eilers
Head of Design Organisation EASA.AP445

ATTACHMENT A

Included support Information

1. Test report no.: 1-8673_19-01-02
2. Test report no.: 1-8673_19-01-01_AnnexA
3. Test report no.: 1-8673_19-01-01_AnnexB
4. Test report no.: 1-8673_19-01-01_AnnexC
5. Test report no.: 1-8178_19-01-02_AnnexD (Test system)
6. Operational Description: KTX2-F.A-HDD.0001
7. Schematics part 1: KTX2.DIG.SP.0600
8. Schematics part 2: KTX2-F.HD.SP.0200
9. Schematics part 3: KTX2.RF.SP.0600
10. Schematics part 4: KTX2-F.Bridge.SP.0200
11. Schematics part 5: KTX2-F.LCD.SP.0200
12. Schematics part 6: KTX2-F.LED.SP.0200
13. Mechanical Drawing KTX2-F Housing - 315138.0101
14. Mechanical Drawing KTX2-F Hose Connector - 304593.0102
15. Mechanical Drawing KTX2-F Cover - 315133.0100
16. KTX2-DIG.SLE.0600 = Bill of Material
17. KTX2-F.V2-KPL.SLE.0100 = Bill of Material
18. KTX2.RF.SLE.0600 = Bill of Material
19. KTX2-F HA.SLE.0100 = Bill of Material
20. KTX2-F Mode S Transponder Architecture - Master Block Diagram
21. KTX2-F.A-MAN.0100.en.= Operation and Installation Manual KTX2-F Mode S Transponder
22. KTX2-F.A-DDP.0100 = Declaration of Design and performance (Operational Description)
23. Label = KTX2-F Label Identification
24. KTX2-F.A-HDD.0100 = Detailed Design Document
25. 21O.10070633_CERT_REV_0_20190821 = ETSO authorization certificate EASA.21O.10070633
26. Confidentiality Request for Certification Service in USA