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Office of Spectrum Policy and Management
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**Notification of FCC Equipment Certification Application for TQ-Systems KTX2-S Mode S Transponder
FCC ID: 2ANFF-KTX2S**

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-S Mode S Transponder.

- Part numbers: 304110 (Standard 57mm Ø format)
- FCC ID: 2ANFF-KTX2S
- ETSO authorisation number: EASA.210.10069784
- EASA ETSO Authorization: ETSO-C88 (TSO-C88), ETSO-C112 (TSO-C112),
ETSO-C166b (TSO-C166b)
- Frequency range: 1090 ± 1 MHz (Tx); 1030 ± 1 MHz (Tx);
- Output Power: 250W (≥ 24dBW) @ 9 to 33VDC
- Emission designator: 12M0M1D

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-S 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.: 1-8178/19-01-02
2. Test report no.: 1-8178_19-01-02_AnnexA
3. Test report no.: 1-8178_19-01-02_AnnexB
4. Test report no.: 1-8178_19-01-02_AnnexC
5. Test report no.: 1-8178_19-01-02_AnnexD
6. Test report no.: 1-8178_19-01-02_AnnexE
7. Schematics part 1: KTX2.DIG.SP.0500 Stromlaufplan(P007755922).
8. Schematics part 2: KTX2.HD.S.SP.0500 Stromlaufplan(P007764123)
9. Schematics part 3: KTX2.RF.SP.0500 Stromlaufplan(P007621659)
10. Schematics part 4: KTX2.RF.SP.0500 Stromlaufplan(P007621659)
11. KTX2-DIG.SLE.0500(P007757321) = Bill of Material
12. P008026812.V0.(F)_KTX2-S.V2-KPL.SL11.0100 = Bill of Material
13. KTX2.RF.SLE.0500(P007673340) = Bill of Material
14. KTX2-HD-S.SLE.0500(P007771434) = Bill of Material
15. KTX2 Mode S Transponder Architecture - Master Block Diagram
16. KTX2.A-MAN.0202.en.= Operation and Installation Manual KTX2-S Mode S Transponder
17. KTX2.A-DDP.0202 = Declaration of Design and performance (Operational Description)
18. Label = KTX2-S label Identification
19. KRT2.A-DDD.0100.pdf = Detailed Design Document
20. 21O.10069784_CERT_REV_0_20190506 = ETSO authorization certificate EASA.21O.10069784
21. Confidentiality Request for Certification Service in USA