



APPROVE


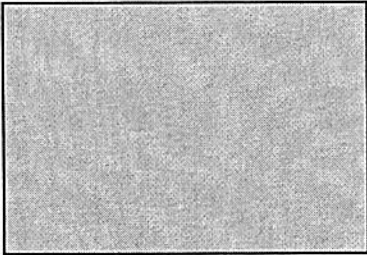
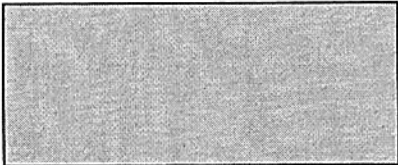
License Number:
050474937

Date Issued:
09/19/2013

Months Valid:
48

License is hereby granted to the applicant for the commodity described in the attached application to be permanently exported from the United States. This license may be revoked, suspended, or amended by the Secretary of State without prior notice whenever the Secretary deems such action advisable.

The United States Government position on this case consists of this 1 page decision memo and the attached 8 page application. Both must be present for the USG position to be valid.

| UNITED STATES OF AMERICA DEPARTMENT OF STATE | | | |
|---|---|------------------------------------|------------------------------------|
| APPLICATION FOR PERMANENT EXPORT OF UNCLASSIFIED DEFENSE ARTICLES, RELATED TECHNICAL DATA, AND DEFENSE SERVICES | | | |
| 1. Date Prepared | 2. DDTC Registration Code | 3. Country of Ultimate Destination | 4. Probable Port of Exit from U.S. |
| 08/30/2013 |  | FRANCE | Los Angeles |
| 5. Applicant  | | | |
| 6. U.S. Government Personnel (not PM/DDTC) Familiar with Commodity | | | |
| 7. Applicant Contact for Additional Information  | | | |
| 8. Description of Transaction | | | |
| A. This application represents ONLY a completely new shipment | | | |
| B. This Application has related license # <input checked="" type="checkbox"/> was licensed to the country in Block 3 of the first page under license # 050428948 <input checked="" type="checkbox"/> was licensed to other countries under license # 050440708 <input type="checkbox"/> was returned without action under voided license # <input type="checkbox"/> was denied to the country in Block 3 of the first page under voided license # | | | |
| C. This Application is in reference to agreement # | | | |
| D. If the commodity is being financed under <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Foreign Military Sale | | | |

| <input type="checkbox"/> Foreign Military Financing <input type="checkbox"/> Grant Aid Program | | | | |
|---|----------------------------------|--|-----------------------------------|--------------|
| E. This application is related to a disclosure filed with Defense Trade Controls Compliance <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | | | | |
| Item | 9. Quantity | 10. Commodity | 11. USML Category | 12. \$ Value |
| 1 | Quantity: 8 Unit Type: Pieces | Hybrid Crystal Oscillator QT188HCD10S-2.00MHz MCM5843-5M 2.000MHz Flight Models Line item 1 of PO Defense Article Type: Hardware | XV(e) Is a DSP-83 attached? No | |
| 2 | Quantity: 5 Unit Type: Pieces | Hybrid Crystal Oscillator QT188HCD10S-2.00MHz MCM5843-5M 2.000MHz Destructive Samples Part of line item 1 of PO Defense Article Type: Hardware | XV(e) Is a DSP-83 attached? No | |
| 3 | Quantity: 1 Unit Type: Lots | Hybrid Crystal Oscillator QT188HCD10S-2.00MHz MCM5843-5M 2.000MHz Group C Inspection Part of line item 1 of PO Defense Article Type: Technical Data | XV(e) Is a DSP-83 attached? No | |
| 4 | Quantity: 2 Unit Type: Lots | Hybrid Crystal Oscillator QT188HCD10S-2.00MHz MCM5843-5M 2.000MHz CSI Charges--Precap and Final Part of line item 1 of PO Defense Article Type: Technical Data | XV(e) Is a DSP-83 attached? No | |
| 5 | Quantity: 1 Unit Type: Lots | Hybrid Crystal Oscillator QT188HCD10S-2.00MHz MCM5843-5M 2.000MHz Screening and Group A+C Test Data: Part of line item 1 of PO Defense Article Type: Technical Data | XV(e) Is a DSP-83 attached? No | |
| 13. Total Value | | | | |
| 14. Foreign End-User ESA - European Space Agency 8-10 Mario Nikkis 75738 Paris Cedex 15 FR | | | | |
| 15. Manufacturer of Commodity Q-TECH Corporation 10150 Jefferson Boulevard Culver City, CA 90232 US | | | | |
| 16. Foreign Consignee ESA - European Space Agency Technical and Operative location Keplerlaan 1 2200 AZ Noordwijk NL | | | | |

Alter Technology Tuv Nord S.A.U.
c/ Tomas Alba Edison 4
PCT Cartuja 41092 Sevilla SP

17. Source of Commodity

Q-TECH Corporation
10150 Jefferson Boulevard
Culver City, CA 90232 US

18. Foreign Intermediate Consignee

Institut fur Experimentelle und Angewandte Physik; The Extra Terrestrial Physics Group
Christian Albrechts University IEAP/ET CAU
Leibnizstrasse 19, 24118 Kiel GM
Integration into EPS

Kayser Threde GmbH
Wolfratshauser Strasse 48
81379 Munchen GM
Population PCBs

HIMAC
4-9-1 Anagawa, Inage Ward, Chiba
Chiba Prefecture JA
Calibration Facility

Physikalisch Technische Bundesanstalt - PTB
Bundesallee 100
38116 Braunschweig GM
Calibration Facility

IABG
Einsteinstrasse 20
85521 Ottobrunn GM
Environmental Tests

Universidad de Alcala
Ctra Madrid-Barcelona 28871
Alcala de Henares SP
EDP Consortium PI Institution

INTA - Instituto Nacional de Tecnica Aeroespacial
Ctra Ajalvir km. 4
28850 Torrejon de Ardoz SP
Suite Level Tests and Integration

Astrium UK
Gunnels Wood Road
Stevenage, Hertfordshire SG1 2AS UK
Suite Level Tests and Integration

ESTEC

Keplerlaan 1
2200 AG Noordwijk NL
Vacuum Test

IABG

Einsteinstrasse 20
85521 Ottobrun GM
Magnetic Test

UPS

Parcela B-4 Poligono San Nicolas
41500 Alcala de Guadaira Sevilla SP
Possible Freight Forwarder

TNT

Avda de Bruseals, 6 Alcobendas (Pol. Ind.)
28108 Madrid SP
Possible Freight Forwarder

Fedex

Centro de Carga Aerea
Madrid SP
Possible Freight Forwarder

DHL

C/ Rumania 4
Coslada Madrid SP
Possible Freight Forwarder

Transnatur

C/Luxemburgo, 1 Centro de Transportes
Coslada Madrid SP
Possible Freight Forwarder

Centre Spatial Guyanais

Ariane 5
Kourou FG
Launch Provider - Anticipated Launch Period 2017

19. U.S. Seller

Q-TECH Corporation
10150 Jefferson Boulevard
Culver City, CA 90232

20. Specific Purpose

- ☐ Off-Shore procurement
- ☐ Brokering (22 CFR 129)

☐ Request for Prior Approval (22 CFR 126.8)

☒ Other

Program: Solar Orbiter Mission The Solar Orbiter mission is part of ESA's Cosmic Vision science program. In the last year, this mission has been studied in an assessment phase aiming at demonstrating technical feasibility and defining the mission at systems level. The Solar Orbiter will explore the innermost regions of the heliosphere from high heliospheric latitudes. It will reach a distance of 0.28 AU from the Sun and obtain an inclination of 35 degrees with respect to the Sun's equator. In these areas a series of insitu and remote sensing measurements will be performed, providing first time in-situ measurements of regions so close to the Sun and at the same time provide arcsec resolution imagery. Additionally, the Solar Orbiter will provide the first ever out-of-the-ecliptic imaging and spectroscopic observations of the Sun's poles. The strong link to BepiColombo through reuse of components will be outlined and specific technology development needs for the Solar Orbiter will be described. Q-TECH parts will be integrated in EPD: Energetic Particle Detector - Flight Model EPD will measure the composition, timing and distribution functions of suprathermal and energetic particles. Scientific topics to be addressed include the sources, acceleration mechanisms, and transport processes of these particles.

21. U.S. Consignor/Freight Forwarder

DHL Worldwide
1200 South Pine Island Road and all other locations in the United States
Plantation, FL 33324

Kenedy Space Centre (Launch Provider)
Atlas V401 (possible) launch vehicle
Cape Canaveral, FL 32920

22. Applicant's Statement

I, [REDACTED] an empowered official (22 CFR 120.25) or an official of a foreign government entity in the U.S., hereby apply for a license to complete the transaction described above; warrant the truth of all statements made herein; and acknowledge, understand and will comply with the provisions of 22 CFR 120-130, and any conditions and limitations imposed.

I am authorized by the applicant to certify the following in compliance with 22 CFR 126.13:

(1) Neither the applicant, its chief executive officer, president, vice presidents, other senior officers or officials (e.g., comptroller, treasurer, general counsel) nor any member of its board of directors is:

(a) the subject of an indictment for or has been convicted of violating any of the U.S. criminal statutes enumerated in 22 CFR 120.27 since the effective date of the Arms Export Control Act, Public Law 94-329, 90 Stat. 729 (June 30, 1976); or

(b) ineligible to contract with, or to receive a license or other approval to import defense articles or defense services from, or to receive an export license or other approval from any agency of the U.S. Government;

(2) To the best of the applicant's knowledge, no party to the export as defined in 22 CFR 126.7(e) has been convicted of violating any of the U.S. criminal statutes enumerated in 22 CFR 120.27 since the effective date of the

Arms Export Control Act, Public Law 94-329, 90 Stat. 729 (June 30, 1976); or is ineligible to contract with, or to receive a license or other approval to import defense articles or defense services from, or to receive an export license or other approval from any agency of the U.S. Government; and

22 CFR 126.13 Certification

- ☒ a. I am authorized by the applicant to certify that the applicant and all the parties to the transaction can meet in full the conditions of 22 CFR 126.13 as listed above.
- ☐ b. I am authorized by the applicant to certify to 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. A request for an exception to policy, as described in 22 CFR 127.11 of the ITAR, is attached.
- ☐ c. I am authorized by the applicant to certify to 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. However that party has met the conditions imposed by the Directorate of Defense Trade Controls in order to resume standard submission of applications, not requiring an exception to policy as described in 22 CFR 127.11 of the ITAR.
- ☐ d. I am not authorized by the applicant to certify the conditions of 22 CFR 126.13. The applicant and all the parties to the transaction can meet in full the conditions of 22 CFR 126.13 as listed above. Please see the attached letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR 126.13.
- ☐ e. I am not authorized by the applicant to certify the conditions of 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. A request for an exception to policy, as described in 22 CFR 127.11 of the ITAR, and a letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR 126.13 are attached.
- ☐ f. I am not authorized by the applicant to certify to 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. However that party has met the conditions imposed by the Directorate of Defense Trade Controls in order to resume standard submission of applications, not requiring an exception to policy as described in 22 CFR 127.11 of the ITAR. Please see the attached letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR 126.13.

Compliance with 22 CFR 130

- ☒ This transaction does not meet the requirements of 22 CFR 130.2.
- ☐ This transaction meets the requirements of 22 CFR 130.2. The applicant or its vendors have not paid, nor offered, nor agreed to pay, in respect of any sale for which a license or approval is requested, political contributions, fees or commissions in amounts as specified in 22 CFR 130.9(a).
- ☐ The applicant or its vendors have paid, or offered, or agreed to pay, in respect of any sale for which a license or approval is requested, political contributions, fees or commissions in amounts as specified in 22 CFR 130.9(a). Information required under 22 CFR 130.10 is attached.
- ☐ I am not authorized by the applicant to certify the conditions of 22 CFR 130.9(a). Please see the attached letter for such certification.

CONDITIONS OF ISSUANCE

1. This license is issued under the conditions cited in 22 CFR 120-130, including the conditions and limitations as applicable, that:

A. It shall not be construed as implying U.S. Government approval or commitment to authorize future exports of any defense article (hardware or technical data) on the U.S. Munitions List (USML), or a U.S. Government commitment with regard to any proposed manufacturing license, technical assistance or distribution agreement that may result from a license or other approval.

B. If a license is issued for technical data only, it does not authorize the export of any hardware; if a license is issued for hardware only, it does not authorize the export of any technical data, unless specifically authorized by an exemption.

C. The issuance of this license does not release the applicant, or anyone acting on their behalf, from complying with other requirements of U.S. law and regulations.

D. This transaction may be subject to end-use monitoring by the United States Government.

2. The prior written approval of the Department of State, Directorate of Defense Trade Controls, must be obtained before USML defense articles exported from the U.S. using a license or other approval, to include an ITAR exemption, may be resold, transferred, diverted, transshipped, re-exported to, or used in any country, or by any end user or for any end use, other than that described on the license or other approval.

DISPOSITION OF LICENSE

The final disposition of this license shall be in accordance with 22 CFR 123.22(c).

ENDORSEMENT

Indicate below which COMMODITY is BEING EXPORTED and maintain a CONTINUING BALANCE of the remaining value:

[illegible]

| | | | | | | |
|---|--|--|--|--|--|--|
| | | | | | | |
| REMAINING BALANCE: | | | | | | |
| <i>NOTE: Continuation of additional shipments must be authenticated by use of continuation sheets in the U.S. Customs handbook.</i> | | | | | | |