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FCC OET
Office of Engineering and Technology
7435 Oakland Mills Road
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Application for Equipment Authorization / Type Approval
Additional Product Family Information
FCC Registration number FRN 0004-9987-79

Dear Ladies and Gentlemen,

The information material attached to the electronic Form 731 may be easier to review with the additional information to our products we offer below.

Our application for FCC approval covers 48 different type variants. However, they are all based on **ONE generic FSG 90(X) VHF/AM Voice Communications Transceiver Technology**.

These 48 type variants are grouped into

24 models of the FSG 90(X) family	for end user customers
24 models of the FSG 200(X) family	for OEM customers

The (X) is used as a place holder for the FSG 90 or FSG 200 family variants.

The 24 FSG 200(X) model variants are fully identical to the similar 24 FSG 90 models. The only difference is the not visible WD DITTEL Logo and text on the FSG 200(X) front panel. Only therefore, different part numbers and type designation is assigned for FSG 200(X).

The complete listing to clearly identify all 48 models in detail please find in the attached File DDP-G_90(X)+H1_27.10.99, pages 4 to 13.

Further, on page 22 in this file, the summary listing identifies the individual article number and type designation for each single type variant.

Although we are aware that in the USA normally only models with 118.000 – 136.975 MHz frequency range are allowed, however, for authorized specific government / military applications even outside of the USA and when installed / used in US registered aircraft and other special missions for airborne, fixed base, mobile and portable operation, it may be applicable to operate authorized also in the extended frequency band 118.000 to 149.975 MHz.

Further, the built-in 8.33 kHz channel spacing mode can be enabled or disabled

- a) manually through the front-panel accessible SETUP.
- b) continuously by repositioning of the integral jumper.

Instructions hereto are included in the applicable service documentation attached.

The general design differences are in

- a) 25 kHz Channel Spacing, plus / or with disabled 8.33 kHz Channel spacing
- b) Transmitter RF Power Output 6 Watts, without designation "-H1" (-H1 indicates 10 Watts)
- c) Transmitter RF Power Output 10 Watts, including type designation "-H1"
- d) Housing dimensions have either ROUND or RECTANGULAR shape
- e) Frequency Range 118.000 – 136.975 MHz, as standard
- f) E = extended Frequency Range 118.000 – 149.975 MHz for Government / Official use only
- g) Various fixed base and portable cases, into which the round front panel sized model may be inserted.

The following information material / product documentation for FCC Approval / application is attached:

File name	Content
FCC_OETApplicat_FSG90-FSG200_Attach.pdf	This letter
plus	
FSG transceiver Type Label Placement.pdf	shows transceiver case and label positioning
E56623_F10320.pdf	Type label on rear side of the Front Panel Housing
E57541_F10348.pdf	Type label on rear side of the Front Panel module
E58562_F10112.pdf	Type label on rear side of the 70PC portable case
DDP-FSG90_FSG200.pdf	Declaration of Design and Performance, Details
034-00-2.jpg	Inside view of the "F" (rectangular) chassis design
DN09-288.pdf	Type Label FSG 90 (core label)
DN09-299.pdf	Type Label FSG 90 (associated model variant label)
FSG 90F Installation & Operation.pdf	Rectangular Chassis Version, Operation Manual
FSG 90 Maintenance.pdf	Round Chassis Maintenance and Operation Manual
GB-FSG 90E Installation and Operation.pdf	Extended Frequency range Inst. and Operat. Manual
Testreport_FCC_ETSI_FSG_FSG200.pdf	CETECOM test report of FCC and ETSI measurements
GB-FSG 90E PC Operation.pdf	Portable case PC with FSG 90E Inst. + Ops. Manual
GB-Frontpanel Module FSG 90.pdf	½ 19 inch panel installation rack without desktop case
GB-Desktop FSG 90.pdf	½ 19 inch panel installation rack inserted in desktop case
FSG 90 Installation & Operation.pdf	Standard airborne (round panel) transceiver Inst.+Ops.

Payment of FCC duties will be made through Credit Card as provided during the electronic application procedure.

We are confident that all basically identical 48 model variants may receive FCC approval / equipment authorization.

We hold an LBA issued JAR 21/G manufacturing authorization for airborne equipment No. LBA.G.0100, and operate a certified Quality Management System to DIN EN ISO 9001 No. 1790690.

FSG 90(X) and FSG 200(X) also have received US/DOT/FAA design approval certification.

Should you require additional material / information, please do not hesitate to contact us.

Looking forward to your comments soon.

Sincerely yours

WALTER DITTEL GMBH
LUFTFAHRTGERÄTEBAU


Ing. Werner Weiler
Head Aviation Products


i.V. Fritz Mössinger
Radio Projects

Enclosures see above