

Thrane & Thrane A/S

Relation between SAILOR 6310 & SAILOR 6311

The two systems SAILOR 6310 and SAILOR 6311 are both 150W MF/HF systems and the only difference in system components is the TU (since both the ATE and CU are the same as indicated in red in the table below).

System type & name (variants - SAILOR 6300 ver. B)	CU Model Number	TU Model Number	ATU Model Number
SAILOR 6310 – MF/HF 150W DSC Class A Radio	TT-6301A	TT-6365B	TT-6384B
SAILOR 6311 – MF/HF 150W DSC Class A Radio – FCC	TT-6301A	TT-6366B	TT-6384B

This statement will provide the technical rationale for transferring the IEC measurements (which are equal to ETSI measurements) of TT-6365B to TT-6366B, and hence, argue that the MED certificate for SAILOR 6310 also covers SAILOR 6311.

A TU consists of two parts – a bottom part with the Rx and exciter module and a top part with the PA stage. The Rx module and the exciter delivering the signal for the PA stage are identical in TT-6365B and TT-6366B. The PA stage of the transmitter in the FCC TU (i.e. TT-6366B) is, compared to TT-6365B, changed with respect to spurious attenuation and intermodulation capability in order to comply with the FCC requirements outlined in part 80 (specifically §80.211). This change of the PA stage is the only difference between TT-6365B and TT-6366B.

The FCC requirements for the transmitter are in general stricter than IEC requirements, and hence, if TT-6366B complies with FCC it will also comply with IEC. The technical rationale for using the MED certificate for SAILOR 6310 in connection to SAILOR 6311 is that the two systems are almost identical – only difference is the two changes in the PA stage of the FCC TU mentioned above. These changes are covered by the test report "*FCC Testing of the Thrane & Thrane A/S TT-6366B*" from TÜV Süd, and hence, together with the MED certificate this covers measurements for the TT-6366B TU.