

Castel San Pietro Terme, 02 March 2015

Equipment Authorisation Division
Federal Communications Commission

FCC ID: XM2- DFE
Product Name: TDFE-7SL, TDFE-7SH, TDFE-8S, TDFE-8A, TDFE-9S, TDFE-19,
TDFE-AW

Class 2 Permissive Change

We submitted to certification (FCC-ID: XM2-DFE) our Digital Front End Amplifier (host in Master Unit for Optical system).

Now, Teko Telecom updates the previous certifications (issued before Feb 20, 2013) with new rules under the FCC 13-21 so that all Industrial Booster by Teko Telecom *sold and marketed in the United States meet new requirements for such devices.*

No change in the hardware and in the software is occurred in the equipment under this filing.

With this filing:

- Teko Telecom updates the old filing under the new signal booster rules.

For the CMRS bands, Teko Telecom equipment (Industrial Booster) are compliant with 20.21(c) and 20.21(f).

For the PLMRS/PSRS bands, Teko Telecom equipment (Industrial Booster) are compliant with 90.219(e).

Regarding SMR800 Public Safety band (806–817 MHz / 851–862 MHz) and SMR900 band (896–901 MHz / 935–940 MHz), to explicitly demonstrate compliance with 90.219e1) through 90.219e4), new test report are provided.

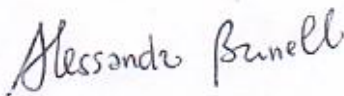
Usually, commercial bands and public safety bands are not used in the same equipment.

Whole SMR800 band and whole SMR900 band (composite device under equipment classes B2I and B9B), will be used in the same equipment only in in-building DAS, so that 90.219d7) requirement (in building DAS requirement for class B signal booster passband that encompasses PLMRS + CMRS frequency bands) is satisfied.



| Model | Band | Up-link operating frequency band | Down-link operating frequency band | Old Rules | New Rules |
|----------|----------|----------------------------------|------------------------------------|-----------|-----------------|
| TDFE-7SL | 700 Low | 698 ÷ 716MHz | 728 ÷ 746 MHz | 27 | 20.21 |
| TDFE-7SH | 700 High | 777 ÷ 787MHz | 746 ÷ 756 MHz | 27 | 20.21 |
| TDFE-8S | SMR 800 | 806 ÷ 817 MHz 817 ÷ 824 MHz | 851 ÷ 862 MHz 862 ÷ 869 MHz | 90 90 | 90.219 20.21 |
| TDFE-8A | SMR 900 | 896 ÷ 901 MHz 901 ÷ 902 MHz | 935 ÷ 940 MHz 940 ÷ 941 MHz | 90 24D | 90.219 20.21 |
| TDFE-9S | AMPS | 824 ÷ 849 MHz | 869 ÷ 894 MHz | 22H | 20.21 |
| TDFE-19 | PCS | 1850 ÷ 1915 MHz | 1930 ÷ 1995 MHz | 27 | 20.21 |
| TDFE-AW | AWS | 1710 ÷ 1755 MHz | 2110 ÷ 2155 MHz | 24E | 20.21 |

Dated 02 March 2015

By:  **ALESSANDRO BRUNELLI**
Signature *Printed*

Title: CERTIFICATION ENGINEER

On behalf of : TEKO TELECOM

Telephone: +39 051 6946811

