

Castel San Pietro Terme, 02 March 2015

Equipment Authorisation Division
Federal Communications Commission

FCC ID: XM2- VHPA
Product Name: MVHPA0001S7- MVHPA0001S8- MVHPA0001S9- MVHPA0001AMPS-
MVHPA0001PCS- MVHPA0001AWS

Class 2 Permissive Change

We submitted to certification (FCC-ID: XM2-VHPA) our Very High Power Amplifier for Remote Unit and Service Front End.

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 removes the optional “single modular designator” on the grant (see section 6)a) and c) of FCC 178919 D01 Permissive Change Policy v05r04);
- 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.



Moreover, regarding the **MVHPA0001AWS** Power Amplifier, we extend the operating frequency band from 2110-2155 MHz to 2110-2180 MHz including AWS-3 band. This amplifier was born to work on European UMTS band that has frequency band wider than American original AWS, so no changes will be made on the hardware of the MVHPA0001AWS amplifier that will be able to work on this new band as well. Only external passive filter will be tuned on the new frequency band to cover the whole band and to ensure out-of-band specifics.

Model	Band	Up-link operating frequency band	Down-link operating frequency band	Old Rules	New Rules
MVHPA0001S7	700 Low + High	698 ÷ 716MHz 777 ÷ 787MHz	728 ÷ 746 MHz 746 ÷ 756 MHz	27	20.21
MVHPA0001S8	SMR 800	806 ÷ 817 MHz 817 ÷ 824 MHz	851 ÷ 862 MHz 862 ÷ 869 MHz	90 90	90.219 20.21
MVHPA0001S9	SMR 900	896 ÷ 901 MHz 901 ÷ 902 MHz	935 ÷ 940 MHz 940 ÷ 941 MHz	90 24D	90.219 20.21
MVHPA0001AMPS	AMPS	824 ÷ 849 MHz	869 ÷ 894 MHz	22H	20.21
MVHPA0001PCS	PCS	1850 ÷ 1915 MHz	1930 ÷ 1995 MHz	24E	20.21
MVHPA0001AWS	AWS	1710 ÷ 1780 MHz	2110 ÷ 2180 MHz	27	20.21

Dated 02 March 2015

By: Alessandro Brunelli **ALESSANDRO BRUNELLI**
 Signature Printed

Title: CERTIFICATION ENGINEER





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