



**LETTER OF ATTESTATION**

**To:** Federal Communication Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

**Subject:** Professional installation requirements of KDB 353028 D01 v01 r01

This letter is to clarify the Professional Installation of the MPRX-FH as referenced to KDB 3530208 D01 v01 r01 section A (2) (c) (i) through (iv).

KDB 3530208 Section A (2) (c) (i)

The MPRX-FH is used in industrial/commercial environments. The MPRX-FH must be installed by a professional installer. Once installed, configured, and verified by testing, the end user cannot change the configuration (transmit power, etc.) of the MPRX-FH. If changes are required, the end user must contact their authorized TransCore dealer, professional installer, and/or service personnel for additional service.

KDB 3530208 Section A (2) (c) (ii)

Th MPRX-FH will only be operated with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

<b>Manufacture</b>	<b>Part Number</b>	<b>Polarization</b>	<b>Gain (dBi)</b>	<b>Min Inline Loss Required (dB)</b>
Huber Suhner	1309.17.0111/85018546	Circular	5.50	0.00
Kathrein	52010087	Circular	11.00	5.00
Kathrein	52010249	Linear	11.00	5.00
Kathrein	52010092	Circular	-30.00	0.00
Laird	S9028P	Linear	8.00	2.00
Laird	S9025PR	Circular	5.50	0.00
MARS Antennas & RF Systems LTD.	MA-IS91-T2	Linear	10.50	4.50
Mobile Mark	PN6-915RCP-1C-WHT-6	RH Circular	6.00	0.00
Mobile Mark	PN6-915LCP-1C-WHT-6	LH Circular	6.00	0.00
Mobile Mark	PL8-915RCP-1Y-WHT-12	RH Circular	8.00	2.00
Mobile Mark	HD7-915RCP-BLK	RH Circular	7.00	1.00
MTI Wireless Edge LTD.	MT-263007/TRH/A/K	Circular	11.50	5.50
TransCore	AA3152 UTA	Linear	14.00	8.00
TransCore	AA3237	Linear	6.00	0.00
TransCore	AA3110	Linear	12.50	6.50
TransCore	AA3153	Linear	10.50	4.50
MTI Wireless Edge LTD.	MT-26024/TRH/A/K	RH Circular	7.50	1.50

KDB 3530208 Section A (2) (c) (iii)

- (1) The MPRX-FH is to be used in a industrial/commercial environment as such this equipment will only be sold to authorized TransCore dealers, distributors, and installers.
- (2) This device is not sold via retail to the general public, mail order, and the internet. It is only sold to authorized TransCore dealers, distributors, and installers.
- (3) This device is not for the average consumer as part of the industrial/commercial sophisticated installations, used for radio frequency identification in such applications as border crossings.
- (4) The MPRX-FH must be setup to maximize the radio frequency identification performance as well to ensure that the maximum EIRP is not exceeded.

KDB 3530208 Section A (2) (c) (iv)

- (1) The installation is controlled by the MPRX-FH Reader User Guide.
- (2) The MPRX-FH must be installed by an TransCore authorized professional installer.
- (3) Installation of the MPRX-FH requires the authorized installers to be able to perform several RF tests such as SWR, cable loss, and power measurements.



Dale Scott  
VP Engineering & Manufacturing  
TransCore-Amtech Technology Center