



FCC 95B Class II Permissive Change Cover Letter

APPLICANT	MIDLAND RADIO CORPORATION
ADDRESS	5900 Parretta Drive Kansas City, Missouri 64120-2134 USA
FCC ID	MMALXT535PA
MODEL NUMBER	LXT500S
PRODUCT DESCRIPTION	FAMILY RADIO TRANSCEIVER
REPORT DATE	09/24/2019
PREPARED BY	Franklin Rose
APPROVED BY	Sharon Hoffman

Report Number	Report Version	Description	Issue Date
2586UT19 Technical Justification_	Rev1	Initial Issue	09/24/2019
2586UT19 Technical Justification_	Rev2	Corrected address and added an approval signature	10/15/2019

THE ATTACHED REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF TIMCO ENGINEERING, INC.



SUBJECT: Class II Permissive Change for FCC ID: MMALXT535PA, FRS/GMRS to FRS

Rule Change Effecting FRS/GMRS Devices

FCC Part 95.587(e)

(e) Effective September 30, 2019, no person shall manufacture or import hand-held portable radio equipment capable of operating under this subpart (FRS) and other licensed or licensed-by-rule services in this chapter (part 15 unlicensed equipment authorizations are permitted if consistent with part 15 rules).

FCC Part 95.591

Effective September 30, 2019, no person shall sell or offer for sale hand-held portable radio equipment capable of operating under this subpart (FRS) and under any other licensed or licensed-by-rule radio services in this chapter (devices may be authorized under this subpart with part 15 unlicensed equipment authorizations).

Statement of Compliance

Dear FCC OET Laboratory Staff and TCB Personnel,

This is a request for a Class II Permissive Change to reclassify a combination FRS/GMRS PTT Transceiver, FCC ID: MMALXT535PA, Model LXT500S, to an FRS only PTT Transceiver.

The transceiver is identical in all aspects to that which was previously granted with the exception that the GMRS bands have been disabled. No other modifications have been made and the transceiver remains compliant to the requirements of FCC Part 95B. The User's manuals have been revised to indicate this change.

Compliance Matrix

Each aspect of the device's operation has been evaluated in the matrix below. The only necessary change to the device was to disable GMRS.

FCC ID	Model	Part	Power (mW)	Power on 1-7, 15-22 OK for FRS?	Power on 8-14 OK for FRS?	Emission	Bandwidth OK for FRS?	Emissions OK for FRS?	Modulation OK for FRS?	Frequency (MHz)	Frequencies OK for FRS?	Frequency Accuracy (ppm)	Frequency Accuracy OK for FRS?	Spurious OK for FRS?	Transmits only on FRS channels?	Meets Antenna Req's?	Meets Digital Req's?	Store and Forward?
				<2.0 W	<0.5 W		<12.5 kHz	F3E	(see 95.575)				<2.5 ppm	(see 95.579)	95.587(a)	95.587(b)	95.587(c)	95.587(d)
MMALXT535PA	LXT500S	95A	408 mW	Y	-	11K0F3E	Y	Y	Y	462.55-462.725	Y	0.722	Y	Y	Y	Y	Y	N
		95A	137 mW	Y	-	11K0F3E	Y	Y	Y	462.55-462.725	Y	0.722	Y	Y	Y	Y	Y	N
		95B	223 mW	-	Y	11K0F3E	Y	Y	Y	467.5625-467.7125	Y	0.532	Y	Y	Y	Y	Y	N

Timco Engineering Inc.
849 NW State Road 45
Newberry, FL 32669
Designation #: US1070

Prepared & Evaluated by:

A handwritten signature in blue ink, appearing to read "Franklin Rose", is written over a circular red stamp. The stamp contains the text "TIMCO ENGINEERING" around the perimeter.

Name and Title	Franklin Rose, Project Manager / EMC Specialist
Date	09/24/2019

Reviewed & Approved by:

A handwritten signature in blue ink, appearing to read "Sharon Hoffman", is written over a circular purple stamp. The stamp contains the text "TIMCO ENGINEERING" around the perimeter.

Name	Sharon Hoffman
Date	10/15/2019