Lyngsoe Systems

Federal Communications Commission
Authorization and Evaluation Division
1435 Oakland Mills Road
Columbia, MD 21046

Date: 13-Feb-19

Subject: Product Variant for the RFID RTLS PORTAL series
FCC ID: PQG-LS4550

This document covers system description and regulatory information about the LS45x0 family of RFID portals. These versions will be sold in USA and Canada. The LS4550 Combi Master portal includes all RFID transmitters and receivers, therefore it is the worst-case configuration for certification tests. The other two sub models LS4530 and LS4510 have fewer boards inside as shown on the summary table below:

	Models	LS4530	LS4550
LS45x0 RFID Portals Content	**Products Names**	**LS4530 Combi Master (Without RDB45)**	**LS4550 Combi Master**
	LS PN (HVIN)	600253	600252
Always present	Plastic enclosure, labels, screws, etc.	Yes	Yes
	2 passive patch antennas	Yes	Yes
	Supervisory board (SUP45)	Yes	Yes
	CPU & 2.4GHz radio (CPU45)	Yes	Yes
	Passive RFID reader (Impinj R420)	Yes	Yes
Optional modules	TX 125kHz, 434MHz (EXB45)	Yes	Yes
	RX 434MHz (RDB45)	-	Yes

Regards,

Don Ferguson,
President