

# LC and LR Transmitter Module Comparison

WIRELESS MADE SIMPLE

Linx Technologies' new LR Series transmitter offers more stable performance over various antenna loads and a higher data rate in the same package as the LC Series transmitter, but the pin-out is slightly different. Pin 4 is the Level Adjust pin for both modules, but this gets connected to ground on the LC and to Vcc on the LR. Pin 8 is ground on the LC and is Power Down for the LR and should be connected to Vcc to activate the module. All other pins are the same for both modules. For data sheets and user manuals, please see the Linx website at www.linxtechnologies.com.

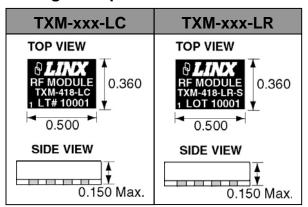
## **Specifications Comparison Chart**

Parameter		LC			LR		
		Тур	Max	Min	Тур	Max	
Supply Voltage (V)	2.7	_	5.2	2.1	3.0	3.6	
Supply Current (mA) 50% Duty Cycle Logic High Logic Low	_	1.5 3 0	6	_	3.3 4.8 1.8	_	
Sleep Current (µA)		_	1.5		0.005	_	
Transmit Frequency Range (MHz) TXM-315-L* TXM-315-L* TXM-315-L*		315 418 433.92	_ _ _	_	315 418 433.92	_ _ _	
Data Bandwidth (bps)	100	_	5,000	DC	_	10,000	
Center Frequency Accuracy (kHz)	-75	_	+75	-50	_	+50	
Output Power (dBm)	-4	0	+4	-4	0	+8	
Harmonic Emissions (dBc)	_	_	-40	_	-40	_	
Output Power Control Range (dBm)	-7	_	0	-80	_	+8	
Modulation Delay (μSec)	_	50	_	_	_	1	
Operating Temperature Range (°C)	-30	_	+70	-40	_	+85	

### **Pin-out Comparison**

TXM-xxx-LC						
1 2 3 4 2	GND DATA GND LADJ/GI	GND 68 VCC 7 GND 66 ND ANT 5				
TXM-xxx-LR						
1 2 3 4 4	GND DATA GND LADJ/VO	PDN 38 VCC 7 GND 36 CC ANT 35				

#### **Package Comparison**



#### **LR Part Numbers**

PART#	DESCRIPTION
TXM-315-LR	Transmitter 315MHz
TXM-418-LR	Transmitter 418MHz
TXM-433-LR	Transmitter 433MHz

#### **PCB** Footprint

