

FCC Part 15D / IC RSS-213 - APPLICATION FORM & SELF-DECLARATION



Applicant Name	Lightspeed Technologies Inc.		
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Manufacturer Name	REOR ELECTRONICS CO., LTD		
Address	5F., No. 122, Ciaoh Rd., Jhonghe Dist., New Taipei City 23558, Taiwan.		

	Portable Part	Fix Part
FCC ID		ORV-LSTCA
IC ID		1732B-LSTCA
Model Number		TCA
Device Name		Topcat
HW version		A3.0.00
SW version		A3.0.00
Antenna Type		monopole
Max. Antenna Gain (dBi)		-2
Mains Power Voltage	Adapter Input	AC 100~240 V
	Adapter Output	DC 24 V
	FP Input	DC V
Battery Voltage	DC	V

Number of channels	5				
Carriers frequency(MHz)	1921.536	1923.264	1924.992	1926.720	1928.448
Nominal Receive Bandwidth	+/- 500 kHz				
Frame period (ms)	10				
Timeslot Plan	24 timeslots per frame. First 12 timeslots used for PP transmissions and other 12 timeslots used for FP transmissions.				
Burst Length Range (us)	Min	90	Max	390	
Operating Temperature Range (°C)	Min	10	Max	40	

Whether a system built with the EUT does or does not implement the provisions of 47CFR15.323(c)(5) regarding the process of selecting the least interfered channel (LIC)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Maximum amount by which the limiting threshold may exceed thermal noise M_L (ex: 50dB)	50 dB			
According to 47CFR15.323(c)(5), does your model not use bandwidth in further cooperation with other devices at any range?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Does a system built using the EUT that operate under the provisions of 47CFR 15.323(c)(6) incorporating provisions for waiting for a channel to go clear?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
According to 47CFR15.323(c)(8), does EUT use the same antennas for transmission and reception as for monitoring?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Does a system built with the EUT that operate under the provisions of 47CFR 15.323(c)(10) to test for deferral only in conjunction with a companion device?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Does a system built using the EUT that operate under the provisions of 47CFR 15.323(c)(11) enabling the access criteria check on the receive channel while in the presence of collocated interferers?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
According to 47CFR15.323(c)(12), does EUT not work in a mode with denies fair access to spectrum for other devices.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Does model have the monitoring made through the radio receiver used for communication?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Does your model transmit control and signaling channels?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
According to 47CFR15.307, does the applicant have the affidavit from UTAM Inc.?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
According to 47CFR15.319(b), do all transmissions use only digital modulation techniques?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
The provisions within the EUT for self-check, by which compliance with 47CFR15.319(f) is obtained:	A - Connection break down, cease of transmit	Situation	Reaction of EUT	
	B - Connection break down, EUT transmits signaling information	Switch-off compare device	FP	PP
		Hook-on by compare device	B	A
	C - Connection break down, compare device transmits signaling information	Switch-off by EUT	B	N
		Hook-on at EUT side	A	A
	N - Not possible	Remove Power from EUT	N	A
		Remove Power from compare device	A	A
		B	A	

DECLARED BY:

2014/09/ _____
Date

Mr. Jeremy Tang
Name (print)

Signature & Chop

ELECTRONICS TESTING CENTER, TAIWAN