Applicant	FLIR Commercial Systems, Inc.		
FCC ID	IWK-EX850		
Frequency Hopping system filing requirements			
Requirements	EUT Condition	Comply	
Pseudorandom	The channel is represented by a pseudo-random	Y	
Frequency Hopping Sequence	hopping sequence hopping through the 79 RF channels.		
Describe how the hopping sequence is generated. Provide an example of the hopping sequence channels, in order to demonstrate that the sequence meets the requirement specified in the definition of a frequency hopping spread spectrum	The hopping sequence is unique for the piconet and is determined by the Bluetooth device address of the master; the phase in the hopping sequence is determined by the Bluetooth clock of the master. The channel is divided into time slots where each slot corresponds to an RF hop frequency. Consecutive hops correspond to different RF hop frequencies. The nominal hop rate is 1 600 hops/s. Example of a 79 hopping sequence in data mode: 40, 21, 45, 23, 42, 53, 46, 55, 48, 31, 51, 35, 50, 65, 54, 67, 56, 37, 60, 39, 58, 69, 62, 77, 64, 25, 68, 27, 66, 57, 70, 59, 72, 29, 76, 33, 74, 61, 78, 63, 01, 41, 05, 43, 03, 73, 07, 75, 09, 44, 15, 47, 11, 71, 13, 00, 64, 49, 66, 53, 68, 02, 70, 06, 01, 52, 03, 55, 05, 04		
system, found in			
Section 2.1.			
Equal Hopping Frequency Use	All Bluetooth units participating in the piconet are time and hop-synchronized to the channel.	Y	
Describe how each individual EUT meets the requirement that each of its hopping channels is used equally on average (e.g., that each new transmission event begins on the next channel in the hopping sequence after the final channel used in			
the previous			

transmission event).		
System Receiver	Each channel bandwidth is 1 MHz	Y
Input Bandwidth		
Describe how the		
associated receiver(s)		
complies with the		
requirement that its		
input bandwidth (either		
RF or IF) matches the		
bandwidth of the		
transmitted signal.		
Equipment	15.247(a)(1) that the rx input bandwidths shift	Y
Description	frequencies in synchronization with the transmitted	
	15.247(g): In accordance with the Bluetooth Industry	
	Standard, the system is designed to comply with all of	
	the regulations in Section 15.247 when the transmitter is	
	presented with a continuous data (or information)	
	system.	
	15.247(h): In accordance with the Bluetooth Industry	
	Standard, the system does not coordinate it channels	
	selection/ hopping sequence with other frequency	
	hopping systems for the express purpose of avoiding the simultaneous occupancy of individual hopping	
	frequencies by multiple transmitters.	