Appendix S4.a - Games-Howell post-hoc test pairwise comparisons (Pearson correlation)

In the second phase of the study, the similarity between bat calls recorded by mobile devices and the same calls recorded by the bat detector was quantified through a cross-correlation analysis. The Games-Howell post-hoc test identified significant differences in Pearson correlation coefficients between device model pairs, even within the same brand. Here we show all pairwise comparisons from Games-Howell post-hoc test. For each comparison, p value is reported; non-significant relationships are expressed as "ns".

DEV. MODEL	A1530	A2105	A2218	A2296	A2633	FIG-LX1	HMA-L29	M1908C3XG	M2003J6B2G	M2010J19SY	SM-A515F	SM-G950F
A2105	<0.001											
A2218	<0.001	<0.001										
A2296	<0.001	ns	<0.001									
A2633	<0.001	<0.001	ns	<0.001								
FIG-LX1	<0.001	<0.001	<0.001	<0.001	<0.001							
HMA-L29	<0.001	<0.001	<0.001	<0.001	<0.001	ns						
M1908C3XG	<0.001	ns	<0.001	ns	<0.001	<0.001	<0.001					
M2003J6B2G	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	ns	<0.001				
M2010J19SY	<0.001	<0.001	<0.001	<0.001	<0.001	ns	ns	<0.001	ns			
SM-A515F	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001		
SM-G950F	<0.001	ns	<0.001	ns	<0.001	<0.001	<0.001	ns	<0.001	<0.001	<0.001	
SM-T819	<0.001	<0.001	<0.01	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Appendix S4.b - Games-Howell post-hoc test pairwise comparisons (mean peak frequency differences)

The similarity between bat calls was also quantified by measuring the mean peak frequency of each call. The arithmetic sum of the two mean peak frequencies of each call pair (i.e., the call recorded by mobile device and the same call recorded by the bat detector) was then performed. The Games-Howell post-hoc test identified significant variations in frequency differences between device model pairs, even within the same brand. Here we show all pairwise comparisons from Games-Howell post-hoc test. For each comparison, p value is reported; non-significant relationships are expressed as "ns".

DEV. MODEL	A1530	A2105	A2218	A2296	A2633	FIG-LX1	HMA-L29	M1908C3XG	M2003J6B2G	M2010J19SY	SM-A515F	SM-G950F
A2105	<0.01											
A2218	ns	<0.05										
A2296	<0.05	ns	<0.01									
A2633	ns	ns	ns	ns								
FIG-LX1	ns	ns	ns	ns	ns							
HMA-L29	ns	<0.01	ns	ns	ns	ns						
M1908C3XG	<0.001	<0.01	<0.001	<0.05	<0.001	<0.05	<0.001					
M2003J6B2G	ns	ns	ns	ns	ns	ns	ns	<0.01				
M2010J19SY	<0.05	ns	<0.01	ns	ns	ns	<0.05	<0.05	ns			
SM-A515F	ns	ns	ns	ns	ns	ns	ns	<0.001	ns	ns		
SM-G950F	<0.05	ns	<0.05	ns	ns	ns	<0.05	<0.01	ns	ns	ns	
SM-T819	<0.05	ns	<0.05	ns	ns	ns	<0.01	<0.01	ns	ns	ns	ns