HawkEye 360 Announces RFIQ Product

HawkEye 360 announced its RFIQ product which introduces flexible spectrum collection options. Customers can use RFIQ unprocessed in-phase and quadrature (I/Q) data to analyze signal characteristics or survey RF activity over large regions of the Earth.

HawkEye 360 collects the broadest range of RF frequencies among commercial RF sensing satellite operators, with coverage as low as 70 MHz and as high as 18 GHz.

“Our RFIQ product, combined with new collection modes and commercially available analytics tools, unlocks valuable insights into the RF spectrum across a country-wide footprint, giving our customers the ability to analyze a wide range of signals important to their mission,” said **Alex Fox, Chief Growth Officer for HawkEye 360.** “RFIQ provides the ultimate flexibility and insight into RF activities that our customers around the world require.”

With RFIQ, customers gain access to a detailed spectral data set that supplements other collection approaches and improves their understanding of spectrum activity in regions of interest.

Customers can optimize collections for specific needs, such as detecting and geolocating known emitters or discovering new signals within a wider spectral bandwidth. HawkEye 360 can collect signals across the VHF, UHF, L, S, C, X, and Ku-Band frequencies.

RFIQ data is derived from HawkEye 360’s RF sensing constellation of satellites, which fly synchronously in clusters of three, enabling broad regional coverage and high geolocation accuracy.

HawkEye 360 currently operates 21 satellites and is continuing to expand the constellation to address clients’ increasing demands for RF intelligence, with two more clusters expected to launch this Fall 2023 into a mid-latitude orbit.