



US 20240214089A1

(19) **United States**

(12) **Patent Application Publication**
DODGSON

(10) **Pub. No.: US 2024/0214089 A1**

(43) **Pub. Date: Jun. 27, 2024**

(54) **DETERMINATION OF SIGNAL
CHARACTERISTICS**

Publication Classification

(71) Applicant: **Airbus Defence and Space Limited**,
STEVENAGE HERTFORDSHIRE
(GB)

(51) **Int. Cl.**
H04B 17/336 (2006.01)

H04B 17/391 (2006.01)

(72) Inventor: **Terence DODGSON**, STEVENAGE
HERTFORDSHIRE (GB)

(52) **U.S. Cl.**
CPC **H04B 17/336** (2015.01); **H04B 17/3913**
(2015.01)

(21) Appl. No.: **18/392,358**

(57) **ABSTRACT**

(22) Filed: **Dec. 21, 2023**

A method of determining an estimate of a signal-to-noise ratio characteristic of a signal by receiving samples of the signal; extracting, from the samples, values of two or more features indicative of the signal-to-noise ratio characteristic; providing the two or more extracted feature values as inputs to a machine learning agent; and causing the machine learning agent to process the extracted feature values to provide the estimate of the signal-to-noise ratio characteristic.

(30) **Foreign Application Priority Data**

Dec. 23, 2022 (GB) 2219622.4

100

