Baseband LoRa Measurement Dataset

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Condition of use:

Please cite the link of this repository: *https://github.com/karexdh/LoRaPHYSet*

Data type:	Time domain baseband LoRa PHY signals
Data format:	1D complex IQ samples array
Date captured:	13/Jul/2023, 18/Jul/2023
File format:	MATLAB mat-file
Transmitter modules:	Tx1-Tx10: Dragino LA66-LoRaWAN-Shield Tx11-Tx20: Duinotech XC4392
Spreading factor:	7
Bandwidth:	125kHz
Code rate:	4/5
Sync word:	0x3444
Preamble length:	8
Header mode:	Implicit header
CRC:	Disabled
Payload:	Random digits
Channel:	NLoS
Receiver equipment:	Analog Devices ADALM-PLUTO
Receiver sampling frequency:	1MHz