

iGS01S BLE Payload Filter

Introduction

Payload filter is used as filters to keep specified beacons by using payload matching.

Assume your beacon has below report:

\$GPRP,0007802DDB1E,C946A6500A33,-43,0201061AFF**6602**00215BC6010015000000F00000000

If your beacons has a fixed field "6602" in above report, you can set

Payload Pattern: 0201061AFF**6602**

Payload Mask: 0000000000**FFFF**

Then the gateway will only forward the report when "pattern & mask" matches 6602.

Ex.

To match iBeacon:

Payload Pattern: 0201061AFF4C00

Payload Mask: FFFFFFFFFFFFFFFF

To match Eddystone:

Payload Pattern: 0201060303AAFE

Payload Mask: FFFFFFFFFFFFFFFF

To match iBS01 series beacon:

Payload Pattern: **02010612FF590080BC**

Payload Mask: FFFFFFF0FFFFFF00FF

To match iBS01/iBS02/iBS03/iBS04/iBS05 series beacon:

Payload Pattern: **02010612FF0D0080BC**

Payload Mask: FFFFFFF0FF0000F0FF

INGICS TECHNOLOGY

For iGS03 series

The character 'X' in pattern means "don't care".

The filter setting for IBS01/02/03/04 series:

020106XXFFXX008XBC

The filter setting for IBS05/06 series:

020106XXFF2C088XBC

Revision History

DATE	REVISION	CHANGES
Feb 1, 2017	1	Initial release
May 11, 2017	2	Add example for iBeacon, Eddystone and iBS01
Aug 7, 2019	3	Add example for iBS02/iBS03/iBS04
Jan, 2022	4	Update example to cover iBS05
May, 2024	5	Add example for iGS03 series