FeasyBeacon

FeasyBeacon Getting Started Guide

Version 3.3

1. Product Introduction

FeasyBeacons are designed by Shenzhen Feasycom Technology Co., Ltd which has the typical models as below showing:

| Model	FSC-BP101	FSC-BP103B	FSC-BP104D	FSC-BP105N
Chipset	PAN1020	DA14531	DA14531	nRF52832
Bluetooth Version	V4.2	V5.1	V5.1	V5.0
Size (L*W*H mm)	29.5* 15* 7.6	33.8*37.8*7.9	86*65.7*17.2	85.5*54*4.2
Power Supply	USB 5V (Powered by USB)	CR2032 (Need press the middle part for 3s)	AAA battery * 2 (Install 2 PCS AAA battery)	Li-MnO2 battery (Long press butt on, the light flas hes 3 times)
Battery Life (at 1300ms,0dBm)	/	3 years	10 years	2.5 years
Protection	/	/	IP67	IP67
Max Work Range	Up to 300m	Up to 160M	Up to 400M	Up to 350M
LED	/	YES	YES	YES
Motion sensor	/	Optional	/	Optional
Buzzer	/	Optional	/	/
NFC	/	/	/	YES
Button	/	YES	YES	YES
Certification	CE	CE/FCC/IC	CE/FCC/IC	/
Beacon Protocol	iBeacon/Eddystone			
Support System	iOS7.0+, Android4.3+			

Model	FSC-BP105D	FSC-BP107	FSC-BP108	FSC-BP109
Chipset	Dialog DA14531	TI CC2640R2F	Dialog DA14531	CSR8811
Bluetooth Version	V5.1	V5.0	V5.1	V4.2
Size (L*W*H mm)	85.5*54*4.2	250*38.5*11.5	48*37*7.8	285*38*22
Power Supply	Li-MnO2 battery (Long press button, the light flashes 3 times)	CR2032 (Default: Power on)	CR3032 (Need press the middle part for 3s)	USB 5V (Powered by USB)
Battery Life (at 1300ms,0dBm)	7 years	1 year	6 years	/
Protection	IP67	/	IP67	/
Max Work Range	Up to 350M	Up to 100m	Up to 400m	Up to 4000m
LED	YES	YES	YES	YES
Motion Sensor	Optional	Optional	Optional	/
Buzzer	/	/	/	/
NFC	/	/	/	/
Button	YES	/	YES	/
Certification	/	/	CE/FCC/IC	FCC / CE
Beacon Protocol	iBeacon/Eddystone			
Support System	iOS7.0+, Android4.3+			

* The transmission range is tested by iphone7, and with different smartphone the range will be different. (For example:

FSC-BP109: Android system is up to 1000m.)

2. How to start FeasyBeacon

2.1 Power supply

FSC-BP101
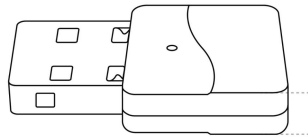
Powered by any USB Interface

Figure 1

FS-BP103B

Power on: Long press central area, the
light flash 3 times

Power off: Long press central area, the
light keeps on then off

Figure 2

FSC-BP104D

Hold the handles on both sides and rotate the
housing then put in 2PCS AAA battery

Long press central area to power on/off

Figure 3

FSC-BP105N/105D

Power on: Long press button, the light flashes 3 times

Power off: Long press button, the light keeps on then off
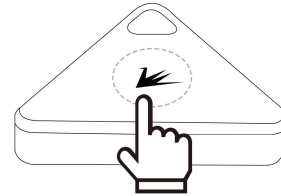
Figure 4

FSC-BP107
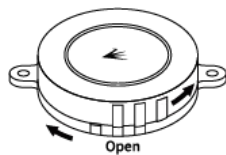

Powered by CR2032 battery.

Figure 5

FSC-BP108

Power on: Long press central area,
the light flashes 3 times

Power off: Long press central area,
the light keeps on then off

Figure 6

FSC-BP109

Powered by any USB Interface

Figure 7

4

2.2 Download FeasyBeacon app

''FeasyBeacon'' app is available on both iOS App Store and Google Play Store.
Before using the beacon, please install the app first.

2.3 Set FeasyBeacon Parameters

① Open FeasyBeacon app, in the FeasyBeacon "Beacon" interface, you can see the beacons nearby. (as Figure 8)

② Press the "Setting" button, select the beacon from the listing which you need. (Recommend to place beacon close to your phone for quick connection) (as Figure 9)

Beacon interface	Setting interface
Figure 8	Figure 9

③ Input the default password: 000000. (as Figure10, Figure 11)
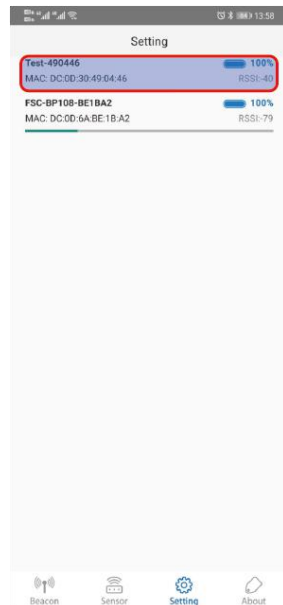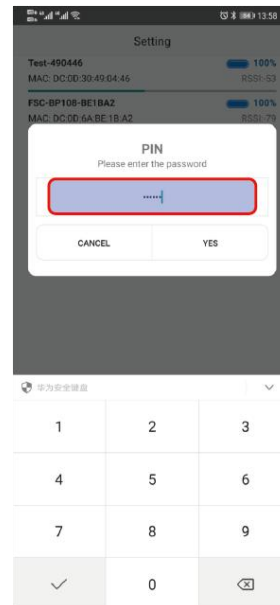
Figure 10   Figure 11

④ After the successful connection, you can configure the beacon parameters or add new broadcasts, and click "Save" after completion. (as Figure 12, Figure 13)
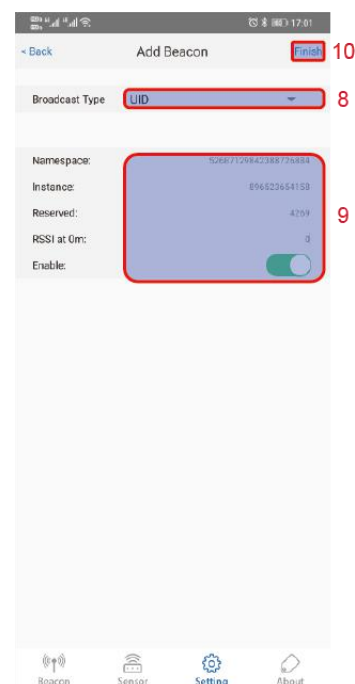
Figure 12   Figure 13

1> Change the device name

2> Change the device password, where it shows Pin

3> Interval: Set the beacon broadcast interval in milliseconds

4> Tx Power: Maximum Tx power: +5 dBm, Default: 0 dBm

    Remarks:

    (BP109 already work at the best conditions)

5> Delete the broadcast contents

6> Set the broadcast parameters

7> "Add Beacon": Add a new broadcast

8> Choose the "broadcast type"

9> Fill in the broadcast parameters

10> Click " Finish"

11> Click "Save"

⑤ The added broadcast will be shown in the list on Beacon interface.

⑥ After power on, the beacon will broadcast at the interval of Value1 (1300ms by default)

1>When the beacon has a button or G-sensor, there will be some G-sensor and Key configuration options in the app. (as Figure 14)

2>When Value 2 is 0 (0ms by default), it means that the G-sensor is disabled, otherwise, the G-sensor is enabled. When G sensor is triggered, beacon will broadcast at the interval of Value 2 and will change back to the interval of Value 1 after a time of Value 3 (35000ms by default)

3>When short press button until the LED flash 1 time, beacon will broadcast at the interval of Value 4 (100ms by default) and will change back to the interval of Value 1 after a time of Value 5 (35000ms by default)

4>The meaning of the Key value is the same as G-sensor, but the triggering condition is different. Please notice: values of "Interval" "G sensor" "Key" can't be 0 at the same time

Figure 14

3. Beacon broadcast setting

3.1 How to set Eddystone-URL to Beacon device

Follow the steps below to add a new URL broadcast. (As Figure 15, Figure 16, Figure 17)
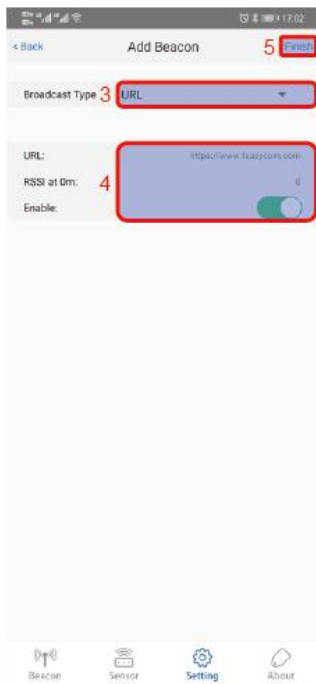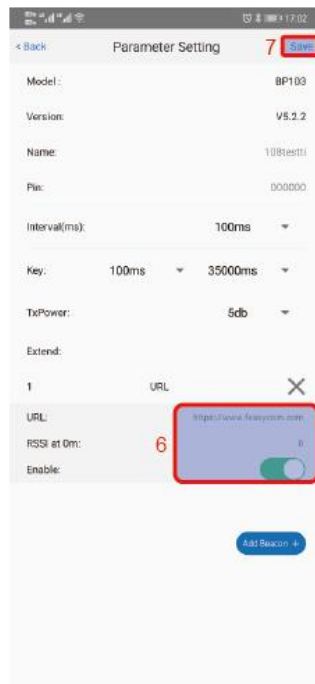
| Figure 15 | Figure 16 | Figure 17 |

① Open FeasyBeacon app and connect to the beacon device
② Click "Add Beacon" to start setting
③ Select "URL" broadcast type
④ Fill in URL and RSSI at 0m parameters
⑤ Click "Finish"
⑥ Double check the new added URL Broadcast
⑦ Click "Save"
⑧ The added beacon URL broadcast will show in advertising list on the Beacon interface

3.2 How to set Eddystone-UID to Beacon device

Follow the steps below to add a new UID broadcast. (as Figure 18, Figure 19, Figure 20)

8
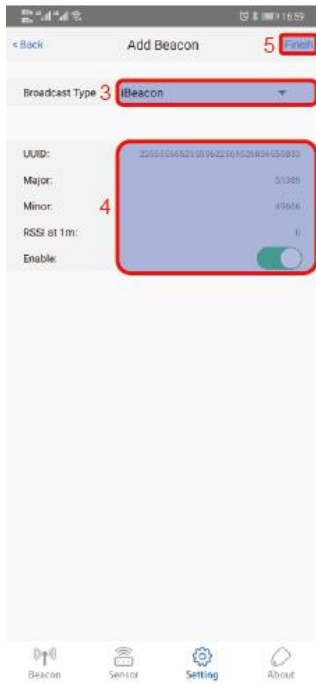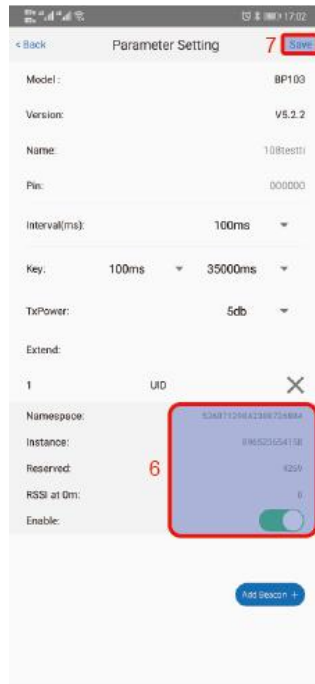
Figure 18	Figure 19	Figure 20

① Open FeasyBeacon app and connect to the beacon device
② Add a new broadcast
③ Select "UID" broadcast type
④ Fill in UID Parameters
⑤ Click "Finish"
⑥ Display the new added UID Broadcast
⑦ Click ''Save''
⑧ The added beacon UID broadcast will show in advertising list on the Beacon interface

4. Forget password

If forget the password, you can access the beacon with the default password (000000) within 1 minute of repower-on the beacon. Please follow the steps below:

    4.1 Re-power the Beacon device
    4.2 Enter FeasyBeacon app, connect beacon device by default password (000000) in the Setting interface
    4.3 Change the password and save it.

5. Firmware upgrade

We will keep updating FeasyBeacon mobile app, SDK and firmware, which will optimize the using experience or add new functions.

6. TX Power, Battery Life & Cover Range (Estimation)

FSC-BP103B Testing Data Sheet

TX Power: -19.5dBm			TX Power: -7dBm			TX Power: -3.5dBm			TX Power: 0dBm			TX Power: 2.5dBm		
Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life
Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day
100ms	44.62uA	210	100ms	55.67uA	168	100ms	63.98uA	146	100ms	76.62uA	122	100ms	89.60uA	104
150ms	30.47uA	307	150ms	38.50uA	243	150ms	46.15uA	203	150ms	53.72uA	174	150ms	65.20uA	143
200ms	25.35uA	369	200ms	28.18uA	332	200ms	38.62uA	242	200ms	42.35uA	221	200ms	47.83uA	196
300ms	15.85uA	591	300ms	20.20uA	464	300ms	25.36uA	369	300ms	26.68uA	351	300ms	32.30uA	290
400ms	13.42uA	698	400ms	15.46uA	606	400ms	19.35uA	484	400ms	20.99uA	446	400ms	25.35uA	369
550ms	10.83uA	864	550ms	12.29uA	763	550ms	15.32uA	611	550ms	16.83uA	556	550ms	18.56uA	505
750ms	8.08uA	1160	750ms	9.40uA	997	750ms	12.08uA	776	750ms	12.47uA	751	750ms	14.00uA	669
850ms	7.40uA	1266	850ms	8.52uA	1100	850ms	11.03uA	849	850ms	11.22uA	835	850ms	12.79uA	732
1000ms	6.73uA	1393	1000ms	7.82uA	1198	1000ms	9.07uA	1033	1000ms	9.96uA	941	1000ms	10.76uA	871
1300ms	5.53uA	1695	1300ms	6.32uA	1483	1300ms	7.93uA	1182	1300ms	8.45uA	1109	1300ms	9.38uA	999
2000ms	4.18uA	2242	2000ms	4.83uA	1940	2000ms	5.82uA	1610	2000ms	5.95uA	1575	2000ms	6.86uA	1366
3000ms	3.33uA	2815	3000ms	4.05uA	2314	3000ms	4.42uA	2121	3000ms	4.53uA	2069	3000ms	5.02uA	1867
4000ms	3.12uA	3004	4000ms	3.45uA	2717	4000ms	3.72uA	2520	4000ms	4.22uA	2221	4000ms	4.35uA	2155
5000ms	2.93uA	3199	5000ms	3.12uA	3004	5000ms	3.34uA	2906	5000ms	3.66uA	2561	5000ms	3.86uA	2428
6000ms	2.70uA	3472	6000ms	3.05uA	3073	6000ms	3.16uA	2966	6000ms	3.35uA	2798	6000ms	3.74uA	2506
7000ms	2.66uA	3524	7000ms	2.80uA	3348	7000ms	2.93uA	3199	7000ms	3.20uA	2929	7000ms	3.42uA	2741
10000ms	2.43uA	3858	10000ms	2.52uA	3720	10000ms	2.70uA	3472	10000ms	2.78uA	3372	10000ms	3.02uA	3104

FSC-BP104D Testing Data Sheet

TX Power: -19.5dBm			TX Power: -7dBm			TX Power: -3.5dBm			TX Power: 0dBm Broadcasting Range≈385m			TX Power: 2.5dBm Broadcasting Range≈400m		
Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life
Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day
100ms	44.62uA	1120	100ms	55.67uA	898	100ms	63.98uA	781	100ms	76.62uA	652	100ms	89.60uA	558
150ms	30.47uA	1640	150ms	38.50uA	1298	150ms	46.15uA	1083	150ms	53.72uA	930	150ms	65.20uA	766
200ms	25.35uA	1972	200ms	28.18uA	1774	200ms	38.62uA	1294	200ms	42.35uA	1180	200ms	47.83uA	1045
300ms	15.85uA	3154	300ms	20.20uA	2475	300ms	25.36uA	1971	300ms	26.68uA	1874	300ms	32.30uA	1547
400ms	13.42uA	3725	400ms	15.46uA	3234	400ms	19.35uA	2583	400ms	20.99uA	2383	400ms	25.35uA	1972
550ms	10.83uA	4608	550ms	12.29uA	4071	550ms	15.32uA	3263	550ms	16.83uA	2967	550ms	18.56uA	2693
750ms	8.08uA	6188	750ms	9.40uA	5319	750ms	12.08uA	4139	750ms	12.47uA	4009	750ms	14.00uA	3571
850ms	7.40uA	6756	850ms	8.52uA	5868	850ms	11.03uA	4533	850ms	11.22uA	4456	850ms	12.79uA	3909
1000ms	6.73uA	7429	1000ms	7.82uA	6393	1000ms	9.07uA	5512	1000ms	9.96uA	5020	1000ms	10.76uA	4646
1300ms	5.53uA	9041	1300ms	6.32uA	7911	1300ms	7.93uA	6305	1300ms	8.45uA	5917	1300ms	9.38uA	5330
2000ms	4.18uA	11961	2000ms	4.83uA	10351	2000ms	5.82uA	8591	2000ms	5.95uA	8403	2000ms	6.86uA	7298
3000ms	3.33uA	15015	3000ms	4.05uA	12345	3000ms	4.42uA	11312	3000ms	4.53uA	11037	3000ms	5.02uA	9960
4000ms	3.12uA	16025	4000ms	3.45uA	14492	4000ms	3.72uA	13440	4000ms	4.22uA	11848	4000ms	4.35uA	11494
5000ms	2.93uA	17064	5000ms	3.12uA	16025	5000ms	3.34uA	14970	5000ms	3.66uA	13661	5000ms	3.86uA	12953
6000ms	2.70uA	18518	6000ms	3.05uA	16393	6000ms	3.16uA	15822	6000ms	3.35uA	14925	6000ms	3.74uA	13368
7000ms	2.66uA	18796	7000ms	2.80uA	17857	7000ms	2.93uA	17064	7000ms	3.20uA	15625	7000ms	3.42uA	14619
10000ms	2.43uA	20576	10000ms	2.52uA	19841	10000ms	2.70uA	18518	10000ms	2.78uA	17985	10000ms	3.02uA	16556

FSC-BP107 Testing Data Sheet

TX Power: -21dBm Broadcasting Range≈10m			TX Power: -9dBm Broadcasting Range≈30m			TX Power: 3dBm Broadcasting Range≈80m			TX Power: 3dBm Broadcasting Range≈100m			TX Power: 5dBm Broadcasting Range≈135m		
Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life
Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day
100	212.06uA	44	100	263.49uA	40	100	273.53uA	38	100	273.53uA	34	100	294.35uA	32
150	143.69uA	65	150	161.77uA	58	150	175.03uA	54	150	192.13uA	49	150	204.30uA	46
200	106.71uA	88	200	118.11uA	79	200	127.32uA	74	200	136.46uA	69	200	145.55uA	64
300	73.04uA	128	300	79.42uA	118	300	86.60uA	100	300	94.93uA	99	300	95.95uA	98
400	56.94uA	165	400	63.44uA	148	400	68.86uA	136	400	70.32uA	133	400	74.04uA	127
550	44.82uA	209	550	49.16uA	191	550	52.59uA	178	550	56.47uA	160	550	59.51uA	158
750	34.42uA	272	750	37.45uA	250	750	40.69uA	230	750	44.65uA	210	750	49.50uA	189
850	31.47uA	298	850	34.49uA	272	850	38.03uA	247	850	40.13uA	233	850	40.34uA	232
1000	26.35uA	356	1000	29.35uA	319	1000	31.47uA	298	1000	31.96uA	293	1000	35.20uA	266
1300	22.63uA	414	1300	25.39uA	369	1300	27.36uA	364	1300	27.49uA	341	1300	28.45uA	330
2000	16.24uA	577	2000	18.27uA	513	2000	18.83uA	498	2000	19.32uA	485	2000	20.03uA	468
3000	12.02uA	726	3000	13.75uA	682	3000	14.43uA	650	3000	15.67uA	598	3000	15.79uA	594
4000	11.26uA	833	4000	11.71uA	801	4000	12.20uA	768	4000	12.89uA	727	4000	13.49uA	695
5000	9.91uA	946	5000	10.60uA	884	5000	10.68uA	878	5000	11.34uA	827	5000	11.80uA	798
6000	9.80uA	951	6000	10.09uA	929	6000	10.18uA	920	6000	11.02uA	850	6000	11.73uA	799
7000	9.38uA	999	7000	9.71uA	965	7000	9.93uA	944	7000	10.10uA	929	7000	10.54uA	889
10000	8.28uA	1132	10000	8.76uA	1070	10000	8.87uA	1057	10000	9.22uA	1017	10000	9.30uA	1008

FSC-BP108 Testing Data Sheet

TX Power: -19.5dBm Broadcasting Range≈25m			TX Power: -7dBm Broadcasting Range≈170m			TX Power: -3.5dBm Broadcasting Range≈230m			TX Power: 0dBm Broadcasting Range≈385m			TX Power: 2.5dBm Broadcasting Range≈400m		
Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life
Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day
100	44.62uA	466	100	55.67uA	374	100	63.98uA	325	100	76.62uA	271	100	89.60uA	232
150	30.47uA	683	150	38.50uA	541	150	46.15uA	451	150	53.72uA	387	150	65.20uA	319
200	25.35uA	821	200	28.18uA	738	200	38.62uA	539	200	42.35uA	491	200	47.83uA	435
300	15.85uA	1314	300	20.20uA	1031	300	25.36uA	821	300	26.68uA	780	300	32.30uA	644
400	13.42uA	1552	400	15.46uA	1347	400	19.35uA	1075	400	20.99uA	992	400	25.35uA	821
550	10.83uA	1920	550	12.29uA	1696	550	15.32uA	1359	550	16.83uA	1236	550	18.56uA	1122
750	8.08uA	2578	750	9.40uA	2216	750	12.08uA	1724	750	12.47uA	1670	750	14.00uA	1488
850	7.40uA	2815	850	8.52uA	2445	850	11.03uA	1888	850	11.22uA	1856	850	12.79uA	1628
1000	6.73uA	3095	1000	7.82uA	2664	1000	9.07uA	2296	1000	9.96uA	2091	1000	10.76uA	1936
1300	5.53uA	3767	1300	6.32uA	3296	1300	7.93uA	2627	1300	8.45uA	2465	1300	9.38uA	2221
2000	4.18uA	4984	2000	4.83uA	4313	2000	5.82uA	3579	2000	5.95uA	3501	2000	6.86uA	3039
3000	3.33uA	6258	3000	4.05uA	5144	3000	4.42uA	4713	3000	4.53uA	4598	3000	5.02uA	4150
4000	3.12uA	6677	4000	3.45uA	6038	4000	3.72uA	5600	4000	4.22uA	4936	4000	4.35uA	4789
5000	2.93uA	7110	5000	3.12uA	6677	5000	3.34uA	6237	5000	3.66uA	5692	5000	3.86uA	5397
6000	2.70uA	7716	6000	3.05uA	6830	6000	3.16uA	6592	6000	3.35uA	6218	6000	3.74uA	5570
7000	2.66uA	7832	7000	2.80uA	7440	7000	2.93uA	7110	7000	3.20uA	6510	7000	3.42uA	6091
10000	2.43uA	8573	10000	2.52uA	8267	10000	2.70uA	7716	10000	2.78uA	7494	10000	3.02uA	6898

FSC-BP105D Testing Data Sheet

Power: -19.5dBm			Power: -7dBm			Power: -3.5dBm			Power: 0dBm			Power: 2.5dBm		
Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life	Interval	Power Consumption	Battery Life
Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day
100ms	49.85uA	710	100ms	64.2uA	550	100ms	72.52uA	488	100ms	82uA	431	100ms	97.35uA	363
150ms	34.36uA	1030	150ms	45.2uA	783	150ms	50.49uA	701	150ms	59.45uA	595	150ms	66.32uA	534
200ms	27.18uA	1303	200ms	34.92uA	1014	200ms	40.17uA	881	200ms	45.22uA	783	200ms	49.73uA	712
300ms	19.52uA	1814	300ms	24.64uA	1437	300ms	27.42uA	1291	300ms	32.12uA	1102	300ms	35.45uA	999
400ms	16.26uA	2178	400ms	20.65uA	1715	400ms	22.22uA	1593	400ms	26.68uA	1435	400ms	27.65uA	1280
550ms	13.85uA	2557	550ms	17.08uA	2073	550ms	18.09uA	1958	550ms	20.09uA	1711	550ms	23.32uA	1518
750ms	11.73uA	3019	750ms	13.82uA	2562	750ms	14.78uA	2396	750ms	16.98uA	2085	750ms	18.42uA	1922
850ms	11.08uA	3196	850ms	12.8uA	2766	850ms	13.86uA	2555	850ms	15.63uA	2265	850ms	16.78uA	2110
1000ms	10.26uA	3451	1000ms	11.6uA	3053	1000ms	12.18uA	2907	1000ms	14.28uA	2480	1000ms	14.87uA	2381
1300ms	9.18uA	3858	1300ms	10.17uA	3482	1300ms	11.08uA	3196	1300ms	12.45uA	2844	1300ms	13.49uA	2627
2000ms	7.93uA	4466	2000ms	8.62uA	4108	2000ms	9.23uA	3837	2000ms	9.93uA	3566	2000ms	10.68uA	3316
3000ms	7.46uA	4747	3000ms	7.6uA	4660	3000ms	7.75uA	4569	3000ms	9.02uA	3926	3000ms	9.12uA	3883
4000ms	6.78uA	5223	4000ms	7.26uA	4878	4000ms	7.35uA	4818	4000ms	7.83uA	4523	4000ms	8.06uA	4394
5000ms	6.48uA	5465	5000ms	6.9uA	5132	5000ms	6.96uA	5088	5000ms	7.28uA	4864	5000ms	7.56uA	4684
6000ms	6.29uA	5630	6000ms	6.6uA	5366	6000ms	6.7uA	5286	6000ms	6.98uA	5074	6000ms	7.42uA	4773
7000ms	6.16uA	5749	7000ms	6.48uA	5465	7000ms	6.56uA	5398	7000ms	6.9uA	5132	7000ms	7uA	5059
10000ms	6uA	5902	10000ms	6.2uA	5712	10000ms	6.26uA	5657	10000ms	6.66uA	5317	10000ms	6.75uA	5246

FSC-BP105N Testing Data Sheet

TX Power: -40dBm			TX Power: -20dBm			TX Power: -12dBm			TX Power: -4dBm			TX Power: 0dBm			TX Power: 4dBm		
Power Consumption	Battery Life		Power Consumption	Battery Life		Power Consumption	Battery Life		Power Consumption	Battery Life		Power Consumption	Battery Life		Power Consumption	Battery Life	
Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day	Unit ms	Unit uA	Unit day
100ms	107.56uA	193	100ms	114.56uA	181	100ms	120.62uA	172	100ms	136.90uA	152	100ms	153.28uA	135	100ms	195.30uA	106
150ms	74.35uA	279	150ms	81.32uA	256	150ms	82.90uA	251	150ms	95.53uA	218	150ms	110.89uA	187	150ms	135.30uA	153
200ms	60.12uA	346	200ms	81.8uA	337	200ms	66.05uA	315	200ms	74.40uA	280	200ms	86.88uA	239	200ms	102.90uA	202
300ms	41.72uA	499	300ms	46.33uA	449	300ms	47.35uA	439	300ms	53.17uA	391	300ms	60.48uA	344	300ms	71.36uA	291
400ms	34.32uA	607	400ms	36.63uA	568	400ms	37.92uA	549	400ms	40.98uA	508	400ms	47.88uA	435	400ms	54.13uA	384
550ms	26.62uA	782	550ms	28.66uA	726	550ms	29.70uA	701	550ms	31.80uA	655	550ms	37.43uA	556	550ms	41.82uA	498
750ms	21.80uA	955	750ms	23.3uA	892	750ms	23.93uA	870	750ms	26.17uA	795	750ms	29.68uA	701	750ms	33.34uA	624
850ms	20.20uA	1031	850ms	21.72uA	959	850ms	22.88uA	910	850ms	24.52uA	849	850ms	26.26uA	793	850ms	30.50uA	683
1000ms	19.20uA	1085	1000ms	19.75uA	1054	1000ms	20.23uA	1029	1000ms	22.01uA	946	1000ms	24.48uA	851	1000ms	27.78uA	749
1300ms	16.15uA	1289	1300ms	17.00uA	1225	1300ms	17.65uA	1180	1300ms	19.08uA	1091	1300ms	20.60uA	1011	1300ms	23.12uA	901
2000ms	13.05uA	1596	2000ms	13.86uA	1503	2000ms	14.06uA	1481	2000ms	15.33uA	1357	2000ms	16.35uA	1274	2000ms	17.88uA	1166
3000ms	11.52uA	1808	3000ms	12.06uA	1727	3000ms	12.83uA	1623	3000ms	13.80uA	1509	3000ms	14.36uA	1450	3000ms	15.00uA	1388
4000ms	10.90uA	1911	4000ms	11.08uA	1883	4000ms	11.26uA	1850	4000ms	11.77uA	1770	4000ms	12.30uA	1693	4000ms	12.93uA	1611
5000ms	10.24uA	2034	5000ms	10.53uA	1980	5000ms	10.73uA	1941	5000ms	11.18uA	1863	5000ms	11.83uA	1761	5000ms	12.30uA	1693
6000ms	9.98uA	2112	6000ms	10.05uA	2072	6000ms	10.30uA	2012	6000ms	10.90uA	1993	6000ms	11.12uA	1873	6000ms	11.78uA	1768
7000ms	9.59uA	2181	7000ms	9.85uA	2115	7000ms	10.00uA	2083	7000ms	10.36uA	2010	7000ms	10.72uA	1943	7000ms	11.66uA	1885
10000ms	9.02uA	2309	10000ms	9.30uA	2240	10000ms	9.38uA	2221	10000ms	9.63uA	2163	10000ms	10.00uA	2083	10000ms	10.32uA	2018