

Applicant: BLUEBIRD INC.

FCC ID: SS4PT550

IC: 22515-PT550

Tune-up Procedure

There are no user accessible adjustments or tuning in this device.

All necessary adjustments and tuning are performed during manufacture of the product. Any adjustments or tuning after service or repair are done as part of that process as special equipment is required to perform such adjustments.

1. WLAN

Target power (Tolerance: ± 1.0 dB)

Band	Frequency[MHz]	Mode	Burst Average[dBm]
2.4GHz	2412~2462	802.11b	15.0
2.4GHz	2412~2462	802.11g	14.0
2.4GHz	2412~2462	802.11n(HT20)	10.0

*Tolerance: ± 1.0 dB

2. Bluetooth & Bluetooth LE

Target power (Tolerance: ± 1.0 dB)

Band	Frequency[MHz]	Mode	Burst Average[dBm]
2.4GHz	2402~2480	BDR(1Mbps)	-1.0
2.4GHz	2402~2480	EDR(2,3Mbps)	-2.0
2.4GHz	2402~2480	BT LE	-1.0

*Tolerance: ± 1.0 dB

3. LTE

Target power (Tolerance: ± 1.0 dB)

Band	Burst Av power[dBm]
5	22.50
4	23.00
2	23.50

MPR condition

RB Size	Mod	MPR
1	QPSK	0
0.5	QPSK	1
1	QPSK	1
1	16-QAM	1
0.5	16-QAM	2
1	16-QAM	2

4. GSM/WCDMA

Target power (Tolerance: $\pm 1.0\text{dB}$)

Band	Mode	Burst Av power[dBm]	Frame Av power[dBm]	Band	Mode	Burst Av power[dBm]	Frame Av power[dBm]
GSM850	GPRS 1TX	32.5	23.47	GSM1900	GPRS 1TX	29.0	19.97
	GPRS 2TX	32.5	26.48		GPRS 2TX	29.0	22.98
	GPRS 3TX	32.5	28.24		GPRS 3TX	29.0	24.74
	GPRS 4TX	32.5	29.49		GPRS 4TX	29.0	25.99
	EGPRS 1TX	28.0	18.97		EGPRS 1TX	25.0	15.97
	EGPRS 2TX	28.0	21.98		EGPRS 2TX	25.0	18.98
	EGPRS 3TX	28.0	23.74		EGPRS 3TX	25.0	20.74
	EGPRS 4TX	28.0	24.99		EGPRS 4TX	25.0	21.99

Target power (Tolerance: $\pm 1.0\text{dB}$)

Band	Mode	Burst Av power[dBm]
UMTS 850	WCDMA	22.5
	HSDPA	22.5
	HSUPA	21.5

Band	Mode	Burst Av power[dBm]
UMTS 1900	WCDMA	22.5
	HSDPA	22.5
	HSUPA	21.5