

**Appendix A - Input/output power and amplifier/booster gain**
**Test Data:**
**Downlink 929-930MHz**

Mode	Operation Band	Frequency F <sub>0</sub> (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Output Power (dBm)	ERP (W)	Gain (dB)
Downlink	929 ~ 930MHz	929.968	CW	Pre-AGC	-10	36.75	2.88	46.75
				3dB Above AGC	-7	37.16	3.17	/

**Remark:**

- 1) The normal power is 37dBm and the measured output power which show in above table is within  $\pm 1.0$ dB tolerance.
- 2) The ERP limit is 5W, the product satisfied with the limit.
- 3) ERP (dBm) = Total Output Power (dBm) + Antenna Gain (dBi) - 2.15 dB. Antenna Gain is 0.0dBi.

**Downlink 930-931MHz**

Mode	Operation Band	Frequency F <sub>0</sub> (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Output Power (dBm)	ERP (W)	Gain (dB)
Downlink	930 ~ 931MHz	930.986	CW	Pre-AGC	-10	36.85	2.95	46.85
				3dB Above AGC	-7	37.21	3.21	/

**Remark:**

- 1) The normal power is 37dBm and the measured output power which show in above table is within  $\pm 1.0$ dB tolerance.
- 2) Base stations transmitting in the 930-931 MHz band are limited to 3500 watts e.r.p. per authorized channel and are unlimited in antenna height except as provided in paragraph (d) of this section, the product satisfied with the limit.
- 3) ERP (dBm) = Total Output Power (dBm) + Antenna Gain (dBi) - 2.15 dB. Antenna Gain is 0.0dBi.

**Downlink 931-932MHz**

Mode	Operation Band	Frequency F <sub>0</sub> (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Output Power (dBm)	ERP (W)	Gain (dB)
Downlink	931 ~ 932MHz	931.782	CW	Pre-AGC	-10	37.03	3.08	47.03
				3dB Above AGC	-7	37.25	3.24	/

**Remark:**

- 1) The normal power is 37dBm and the measured output power which show in above table is within  $\pm 1.0$ dB tolerance.
- 2) The ERP must not exceed the applicable limits in this paragraph under any circumstances. Frequency range: 931-932MHz. Maximum ERP 3500Watts, the product satisfied with the limit.
- 3) ERP (dBm) = Total Output Power (dBm) + Antenna Gain (dBi) - 2.15 dB. Antenna Gain is 0.0dBi.



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**Downlink 932-935MHz**

Mode	Operation Band	Frequency F <sub>0</sub> (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Output Power (dBm)	ERP (W)	Gain (dB)
Downlink	932 ~ 935MHz	933.255	CW	Pre-AGC	-10	37.02	3.07	47.02
				3dB Above AGC	-7	37.18	3.18	/

Remark:

- 1) The normal power is 37dBm and the measured output power which show in above table is within  $\pm 1.0$ dB tolerance.
- 2) For frequencies falling in rang 932-932.5MHz and 932.5-935MHz the EIRP limit is 17dBW and 40dBW, the product satisfied with the limit.
- 3) ERP (dBm) = Total Output Power (dBm) + Antenna Gain (dBi) - 2.15 dB. Antenna Gain is 0.0dBi.

**Downlink 935-940MHz**

Mode	Operation Band	Frequency F <sub>0</sub> (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Output Power (dBm)	ERP (W)	Gain (dB)
Downlink	935 ~ 940MHz	938.334	CW	Pre-AGC	-10	37.17	3.18	47.17
				3dB Above AGC	-7	37.28	3.26	/

Remark:

- 1) The normal power is 37dBm and the measured output power which show in above table is within  $\pm 1.0$ dB tolerance.
- 2) The ERP limit is 5W, the product satisfied with the limit.
- 3) ERP (dBm) = Total Output Power (dBm) + Antenna Gain (dBi) - 2.15 dB. Antenna Gain is 0.0dBi.

**Downlink 940-941MHz**

Mode	Operation Band	Frequency F <sub>0</sub> (MHz)	Signal Type	Signal Level (dBm)	Input Power (dBm)	Output Power (dBm)	ERP (W)	Gain (dB)
Downlink	940 ~ 941MHz	940.140	CW	Pre-AGC	-10	37.09	3.12	47.09
				3dB Above AGC	-7	37.11	3.13	/

Remark:

- 1) The normal power is 37dBm and the measured output power which show in above table is within  $\pm 1.0$ dB tolerance.
- 2) Frequency range: 940-941MHz. Maximum ERP 3500Watts, the product satisfied with the limit.
- 3) ERP (dBm) = Total Output Power (dBm) + Antenna Gain (dBi) - 2.15 dB. Antenna Gain is 0.0dBi.



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