

# EIRP Calculations

## EZboost

### 1 Antenna kits

Outdoor Antenna		
Outdoor Antenna	Outdoor Antenna Gain	
	At 1900MHz(dBi)	At 800MHz(dBi)
CM303	8	5
Outdoor Cable : No outdoor cable		
Indoor Antenna		
Indoor Antenna	Indoor Antenna Gain	
	At 1900MHz(dBi)	At 800MHz(dBi)
CM302W	5	3
Indoor Cable		
Indoor Cable	Indoor Cable Loss	
	At 1900MHz(dB)	At 800MHz(dB)
CM240-50NN 50Feet	8	4.83

### 2 EIRP

Pulse GSM					
Frequency	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1910	20.2	8	0	28.2	30
UL 824-849	19.0	5	0	24.0	30
Frequency	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1990	0.6	5	8	-2.4	17
DL 869-894	0.0	3	4.83	-1.9	17
4.1MHz AWGN					
Frequency	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1910	18.3	8	0	26.3	30
UL 824-849	18.3	5	0	23.3	30
Frequency	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1990	-5.0	5	8	-8.0	17
DL 869-894	-1.1	3	4.83	-2.9	17