

EIRP Calculations

1. Vehicle Kit

EIRP_MOBILE-30 Vehicle Kit				
Outdoor Antenna KIT Antenna: SC-200W Cable:SC-174-5FT 5Feet	Outdoor Antenna Gain		Outdoor Cable Loss	
	At 1900MHz(dBi)	At 800MHz(dBi)	At 1900MHz(dB)	At 800MHz(dB)
	5	3	4.6	2.4
Indoor Antenna KIT Antenna: SC-110W Cable:SC-174-5FT 5Feet	Indoor Antenna Gain		Indoor Cable Loss	
	At 1900MHz(dBi)	At 800MHz(dBi)	At 1900MHz(dB)	At 800MHz(dB)
	3	1.1	4.6	2.4

Pulse GSM					
	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1910MHz	18.8	5	4.6	19.2	30
UL 824-849MHz	19.0	3	2.4	19.6	30
	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1990MHz	-21.4	3	4.6	-23.0	17
DL 869-894MHz	-21.8	1.1	2.4	-23.1	17
4.1MHz AWGN					
	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1910MHz	19.4	5	4.6	19.8	30
UL 824-849MHz	19.9	3	2.4	20.5	30
	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1990MHz	-22.2	3	4.6	-23.8	17
DL 869-894MHz	-20.2	1.1	2.4	-21.5	17

2. Marine Kit

EIRP_MOBILE-30 Marine Kit				
Outdoor Antenna KIT Antenna: SC-288W or Galaxy 5412-P Cable: SC-240-40FN 40Feet	Outdoor Antenna Gain		Outdoor Cable Loss	
	At 1900MHz(dBi)	At 800MHz(dBi)	At 1900MHz(dB)	At 800MHz(dB)
	4	3	6.52	3.98
Indoor Antenna KIT Antenna: CM248W Cable: SC-240-40FN 20Feet	Indoor Antenna Gain		Indoor Cable Loss	
	At 1900MHz(dBi)	At 800MHz(dBi)	At 1900MHz(dB)	At 800MHz(dB)
	10	7	3.56	2.29

Pulse GSM					
	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1910MHz	18.8	4	6.52	16.3	30
UL 824-849MHz	19.0	3	3.98	18.0	30
	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1990MHz	-21.4	10	3.56	-15.0	17
DL 869-894MHz	-21.8	7	2.29	-17.1	17
4.1MHz AWGN					
	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1910MHz	19.4	4	6.52	16.9	30
UL 824-849MHz	19.9	3	3.98	18.9	30
	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1990MHz	-22.2	10	3.56	-15.8	17
DL 869-894MHz	-20.2	7	2.29	-15.5	17

3. Desk top/RV Kit

EIRP_MOBILE-30 Desk top/RV Kit				
Outdoor Antenna KIT Antenna: SC-288W Cable: SC-240-40FN 40Feet	Outdoor Antenna Gain		Outdoor Cable Loss	
	At 1900MHz(dBi)	At 800MHz(dBi)	At 1900MHz(dB)	At 800MHz(dB)
	4	3	6.52	3.98
Indoor Antenna KIT Antenna: SC-248W Cable:SC-174-5FT 5Feet	Indoor Antenna Gain		Indoor Cable Loss	
	At 1900MHz(dBi)	At 800MHz(dBi)	At 1900MHz(dB)	At 800MHz(dB)
	3	1.2	0.3	0.3

Pulse GSM					
	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1910MHz	18.8	4	6.52	16.3	30
UL 824-849MHz	19.0	3	3.98	18.0	30
	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1990MHz	-21.4	3	0.3	-18.7	17
DL 869-894MHz	-21.8	1.2	0.3	-20.9	17
4.1MHz AWGN					
	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1910MHz	19.4	4	6.52	16.9	30
UL 824-849MHz	19.9	3	3.98	18.9	30
	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1990MHz	-22.2	3	0.3	-19.5	17
DL 869-894MHz	-20.2	1.2	0.3	-19.3	17