

## EIRP Calculations

### Triflex-A

Fixed booster Triflex-T			
Outdoor Antenna			
Outdoor Antenna	Outdoor Antenna Gain		
	At 1900MHz (dBi)	At 800MHz (dBi)	At 1700MHz (dBi)
CM288W	4	3	4
CM230W	10	10	10
MAX GAIN	10	10	10
Outdoor Cable			
Outdoor Cable	Outdoor Cable Loss		
	At 1900MHz (dB)	At 800MHz (dB)	At 1700MHz (dB)
CM240-40FN 40Feet	6.52	3.98	6.12
CM400-75NN 75Feet	6.17	4.41	5.8
MIN LOSS	6.17	3.98	5.8
Indoor Antenna			
Indoor Antenna	Indoor Antenna Gain		
	At 1900MHz (dBi)	At 800MHz (dBi)	At 2100MHz (dBi)
CM222W	6	3	6
CM248W	10	7	10
MAX GAIN	10	7	10
Indoor Cable			
Indoor Cable	Indoor Cable Loss		
	At 1900MHz (dB)	At 800MHz (dB)	At 2100MHz (dB)
CM240-20FN 20Feet	3.56	2.29	3.76
CM400-30NN 30Feet	2.83	2.12	2.98
MIN LOSS	2.83	2.12	2.98

EIRP Calculations of fixed booster Triflex-T

Pulse GSM

	Output Power (dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss (dB)	EIRP (dBm)	Limit (dBm)
UL 1850-1910MHz	19.2	10	6.17	23.0	30
UL 824-849MHz	23.7	10	3.98	29.7	30
UL 1710-1755MHz	19.4	10	5.8	23.6	30
	Output Power (dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss (dB)	EIRP (dBm)	Limit (dBm)
DL 1930-1990MHz	-5.6	10	2.83	1.6	17
DL 869-894MHz	-5.2	7	2.12	-0.3	17
DL 2110-2155MHz	-3.3	10	2.98	3.7	17

4. 1MHz AWGN

	Output Power (dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss (dB)	EIRP (dBm)	Limit (dBm)
UL 1850-1910MHz	17.4	10	6.17	21.2	30
UL 824-849MHz	21.4	10	3.98	27.4	30
UL 1710-1755MHz	17.4	10	5.8	21.6	30
	Output Power (dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss (dB)	EIRP (dBm)	Limit (dBm)
DL 1930-1990MHz	-9.4	10	2.83	-2.2	17
DL 869-894MHz	-9.5	7	2.12	-4.6	17
DL 2110-2155MHz	-7.0	10	2.98	0.0	17