

EIRP Calculations

Triflex-V

Fixed booster Triflex-V			
Outdoor Antenna			
Outdoor Antenna	Outdoor Antenna Gain		
	At 1900MHz(dBi)	At 800MHz(dBi)	At 700MHz(dBi)
CM288W	4	3	3
CM230W	10	10	10
MAX GAIN	10	10	10
Outdoor Cable			
Outdoor Cable	Outdoor Cable Loss		
	At 1900MHz(dB)	At 800MHz(dB)	At 700MHz(dBi)
CM240-40FN 40Feet	6.52	3.98	3.52
CM400-75NN 75Feet	6.17	4.41	4.22
MIN LOSS	6.17	3.98	3.52
Indoor Antenna			
Indoor Antenna	Indoor Antenna Gain		
	At 1900MHz(dBi)	At 800MHz(dBi)	At 700MHz(dBi)
CM222W	6	3	3
CM248W	10	7	7
MAX GAIN	10	7	7
Indoor Cable			
Indoor Cable	Indoor Cable Loss		
	At 1900MHz(dB)	At 800MHz(dB)	At 700MHz(dB)
CM240-20FN 20Feet	3.56	2.29	2.06
CM400-30NN 30Feet	2.83	2.12	2.05
MIN LOSS	2.83	2.12	2.05

EIRP Calculations of fixed booster Triflex-V					
Pulse GSM					
	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1910MHz	21.4	10	6.17	25.2	30
UL 824-849MHz	19.8	10	3.98	25.8	30
UL 776-787MHz	21.3	10	3.52	27.8	30
	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1990MHz	-1.8	10	2.83	5.4	17
DL 869-894MHz	-3.3	7	2.12	1.6	17
DL 746-757MHz	-2.3	7	2.05	2.7	17
4.1MHz AWGN					
	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1910MHz	19.7	10	6.17	23.5	30
UL 824-849MHz	18.1	10	3.98	24.1	30
UL 776-787MHz	18.5	10	3.52	25.0	30
	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1990MHz	-5.2	10	2.83	2.0	17
DL 869-894MHz	-6.0	7	2.12	-1.1	17
DL 746-757MHz	-5.7	7	2.05	-0.8	17