

EIRP Calculations

Tri-Flex A

Fixed booster Tri-Flex A			
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

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Pulse GSM					
	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1915MHz	25.0	10	6.17	28.8	30
UL 824-849MHz	20.1	10	3.98	26.1	30
UL 698-716MHz	19.7	10	3.52	26.1	30
	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1995MHz	-1.8	10	2.83	5.4	17
DL 869-894 MHz	-0.8	7	2.12	4.1	17
DL 728-746 MHz	-2.5	7	2.05	2.5	17
4.1MHz AWGN					
	Output Power(dBm)	Outdoor Antenna Gain(dBi)	Outdoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
UL 1850-1915MHz	22.6	10	6.17	26.4	30
UL 824-849MHz	18.6	10	3.98	24.6	30
UL 698-716MHz	18.1	10	3.52	24.6	30
	Output Power(dBm)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	EIRP(dBm)	Limit(dBm)
DL 1930-1995MHz	-4.4	10	2.83	2.8	17
DL 869-894 MHz	-3.4	7	2.12	1.5	17
DL 728-746 MHz	-5.1	7	2.05	-0.1	17