

FCC 80 Antenna Gain Limits on Transmitt Power				
Radio TX power Setting	ERP Limit	EIRP Limit	Max Antenna Gain ERP	Max Antenna Gain EIRP
2 Watts	30.4 Watts	50 Watts	11.9 dBd	14 dBi
25 Watts	30.4 Watts	50 Watts	0 dBd	3 dBi

FCC 90 Antenna Gain Limits on Transmitt Power				
Radio TX power Setting	ERP Limit	EIRP Limit	Max Antenna Gain ERP	Max Antenna Gain EIRP
2 Watts (217 Mhz -220 MHz)	2 Watts	3.3 Watts	0 dBd	2.2 dBi
25 Watts (220 MHz - 222 MHz)	50 Watts	82 Watts	3 dBd	2.1 dBi

FCC 95 Antenna Gain Limits on Transmitt Power				
Radio TX power Setting	ERP Limit	EIRP Limit	Max Antenna Gain ERP	Max Antenna Gain EIRP
2 Watts	4 Watts mobile	6.6 Watts mobile	3 dBd	5.2 dBi
4 Watts	4 Watts mobile	6.6 Watts mobile	0 dBd	2.2 dBi
2 Watts	20 Watts Wayside	32.8 Watts Wayside	10 dBd	12.2 dBi
20 Watts	20 Watts Wayside	32.8 Watts Wayside	0 dBd	2.2 dBi

EIRP Watts	ERP Watts
2	1.219512
4	2.439024
6.56	4
20	12.19512
25	15.2439
32.8	20
50	30.4878
82	50
EIRP dBm	ERP dBm
33	30.85
36	33.85
43	40.85
44	41.85
47	44.85
49.1	46.95

FCC 80 Antenna Gain Limits on Transmit Power		
Radio TX power Setting	EIRP	Max Antenna Gain EIRP
2 Watts (216.00625-219.99375 MHz)	49.2 dBm	16.5 dBi
25 Watts (216.00625-219.99375 MHz)	56.6 dBm	12 dBi

FCC 90 Antenna Gain Limits on Transmit Power		
Radio TX power Setting	EIRP	Max Antenna Gain EIRP
2 Watts (217.00625 -219.99375 MHz)	49.5 dBm	16.5 dBi
2 Watts (220.00625 - 221.99375 MHz)	49.1 dBm	16.5 dBi
25 Watts (220.00625 - 221.99375 MHz)	56.4 dBm	12 dBi

FCC 95 Antenna Gain Limits on Transmit Power		
Radio TX power Setting	EIRP	Max Antenna Gain EIRP
2 Watts (218.00625-218.99375 MHz)	45.1 dBm	12.1 dBi
20 Watts (218.00625-218.99375 MHz)	45.1 dBm	0.7 dBi