

EiRP Calculations

Frequency MHz	Transmitter Power dBm	Antenna Gain dBd	dBd to dBi gain	Coax loss dB	Calculated EiRP Power dBm	Measured EiRP Power dBm
BGY890K Yagi Antenna						
902.4	23.8	10.0	2.2	2.0	34.0	33.5
915.0	23.8	10.0	2.2	2.0	34.0	34.0
927.6	23.8	10.0	2.2	2.0	34.0	33.1
BMY890K Yagi Antenn						
902.4	23.8	10.0	2.2	2.0	34.0	34.0
915.0	23.8	10.0	2.2	2.0	34.0	34.0
927.6	23.8	10.0	2.2	2.0	34.0	33.9
BGO902G Omni Directional Antenna						
902.4	27.8	6.0	2.2	2.0	34.0	33.8
915.0	27.8	6.0	2.2	2.0	34.0	34.0
927.6	27.8	6.0	2.2	2.0	34.0	34.1
BMO902J Omni Directional Antenna						
902.4	24.8	9.0	2.2	2.0	34.0	32.4
915.0	24.8	9.0	2.2	2.0	34.0	31.6
927.6	24.8	9.0	2.2	2.0	34.0	31.9