

EMF Calculator Results



James Colderwood M0ZAH, Eastnor, UK, Somewhere in a field

EMFCAMP-12M-1KW

Radio

Band	6m
Frequency	51MHz
Transmit mode	SSB Processed
Mode factor	50% (-3dB)
Transmitter power	1000W (30dBW)
Transmit % in 6 minutes	50% (-3dB)
Average power from transmitter	250W (24dBW)
Peak power from transmitter	1000W (30dBW)

Feeder

Cable type	M&P Ultraflex 10
Loss per 100m	-2.7dB
Cable length	15m
Feeder loss	-0.4dB
Second feeder losses	0dB
Other losses	0dB
Average power into antenna	227.7W (23.6dBW)
Peak power into antenna	911W (29.6dBW)

Antenna

Antenna type	custom
Custom gain	2 (3dBi)
Mainlobe EIRP	454.4W (26.6dBW)
Antenna polarization	Vertical
Height of antenna	8m
Directivity factor	0dB
Average EIRP	454.4W (26.6dBW)
Peak EIRP	1817.6W (32.6dBW)



Further assessment required (average power >10W or peak power >100W EIRP)

Please use one of the methods below

ITU-T K.52

ICNIRP 1998 limits	
Compliance distance	6.8m
Vertical separation	6.2m
Required horizontal separation	2.8m

ITU-T K.52

ICNIRP 2020 limits	
Compliance distance	6.8m
Vertical separation	6.2m
Required horizontal separation	2.8m