

EMF Calculator Results



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

EMFCAMP-12M-1KW

Radio

Band	10m
Frequency	28.9MHz
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	-2dB
Cable length	15m
Feeder loss	-0.3dB
Second feeder losses	0dB
Other losses	0dB
Average power into antenna	233.3W (23.7dBW)
Peak power into antenna	933.3W (29.7dBW)

Antenna

Antenna type	custom
Custom gain	2 (3dBi)
Mainlobe EIRP	465.5W (26.7dBW)
Antenna polarization	Vertical
Height of antenna	8m
Directivity factor	0dB
Average EIRP	465.5W (26.7dBW)
Peak EIRP	1862.1W (32.7dBW)



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	6.9m
Vertical separation	6.2m
Required horizontal separation	3m

ITU-T K.52

ICNIRP 2020 limits	
Compliance distance	6.6m
Vertical separation	6.2m
Required horizontal separation	2.4m