

MPE Calculation Results for Wilson Model 2B4310 Amplifier

SUMMARY

Mobile or Building? Building
Outside/Inside Antenna? Outside
Antenna Type: Yagi 1900 MHz
Safe Distance (inches): 20

INPUT DATA

Frequency MHz 1850
Pout Watts 1.0000
Duty Cycle Percent 100.0%
Ant. Gain dBi 15.00
Coax Loss dB 0.00

RESULTS

Min. Distance Inches 19.75
Min. Distance Centimeters 50.16
ERP (Watts) 19.2822
EIRP (Watts) 31.6228

REFERENCE DATA

Antenna Gain (non-log) 31.62
Coax loss (non-log) 1.00
Calculated limit (mw/cm2) 1.00
FCC Limit (mw/cm2) 1.00

SUMMARY

Mobile or Building? Building
Outside/Inside Antenna? Outside
Antenna Type: Yagi 900 MHz
Safe Distance (inches): 15

INPUT DATA

Frequency MHz 896
Pout Watts 1.0000
Duty Cycle Percent 33.3%
Ant. Gain dBi 15.00
Coax Loss dB 0.00

RESULTS

Min. Distance Inches 14.75
Min. Distance Centimeters 37.45
ERP (Watts) 6.4210
EIRP (Watts) 10.5304

REFERENCE DATA

Antenna Gain (non-log) 31.62
Coax loss (non-log) 1.00
Calculated limit (mw/cm2) 0.60
FCC Limit (mw/cm2) f/1500

MPE Calculation Results for Wilson Model 2B4310 Amplifier

SUMMARY

Mobile or Building? Mobile
Outside/Inside Antenna? Outside
Antenna Type: Magnet-Mount 1900 MHz
Safe Distance (inches): 8

INPUT DATA

Frequency MHz 1850
Pout Watts 1.0000
Duty Cycle Percent 100.0%
Ant. Gain dBi 6.12
Coax Loss dB 6.70

RESULTS

Min. Distance Inches 3.29
Min. Distance Centimeters 8.34
ERP (Watts) 0.5335
EIRP (Watts) 0.8750

REFERENCE DATA

Antenna Gain(non-log) 4.09
Coax loss (non-log) 0.21
Calculated limit (mw/cm2) 1.00
FCC Limit (mw/cm2) 1.00

SUMMARY

Mobile or Building? Mobile
Outside/Inside Antenna? Outside
Antenna Type: Magnet-Mount 900 MHz
Safe Distance (inches): 8

INPUT DATA

Frequency MHz 896
Pout Watts 1.0000
Duty Cycle Percent 33.3%
Ant. Gain dBi 6.12
Coax Loss dB 4.00

RESULTS

Min. Distance Inches 3.35
Min. Distance Centimeters 8.50
ERP (Watts) 0.3308
EIRP (Watts) 0.5426

REFERENCE DATA

Antenna Gain(non-log) 4.09
Coax loss (non-log) 0.40
Calculated limit (mw/cm2) 0.60
FCC Limit (mw/cm2) f/1500