

- HF
- 1.8 MHz
 - 3.500 MHz
 - 10.3 MHz
 - 21.2 MHz
 - 3.5 MHz
 - 14.2 MHz
 - 24.6 MHz
 - 7.2 MHz
 - 18.3 MHz
 - 28.5 MHz

Input a specific Frequency

Transmitter Power

Thousand	Hundred	Tens	Units
<input type="radio"/> 0	<input type="radio"/> 0	<input checked="" type="radio"/> 0	<input checked="" type="radio"/> 0
<input type="radio"/> 1000	<input type="radio"/> 100	<input type="radio"/> 10	<input type="radio"/> 1
<input type="radio"/> 2000	<input type="radio"/> 200	<input type="radio"/> 20	<input type="radio"/> 2
<input type="radio"/> 3000	<input type="radio"/> 300	<input type="radio"/> 30	<input type="radio"/> 3
<input type="radio"/> 4000	<input type="radio"/> 400	<input type="radio"/> 40	<input type="radio"/> 4
<input type="radio"/> 5000	<input type="radio"/> 500	<input type="radio"/> 50	<input type="radio"/> 5
<input type="radio"/> 6000	<input type="radio"/> 600	<input type="radio"/> 60	<input type="radio"/> 6
<input type="radio"/> 7000	<input type="radio"/> 700	<input type="radio"/> 70	<input type="radio"/> 7
<input type="radio"/> 8000	<input type="radio"/> 800	<input type="radio"/> 80	<input type="radio"/> 8
<input type="radio"/> 9000	<input type="radio"/> 900	<input type="radio"/> 90	<input type="radio"/> 9

Transmission Loss

0.8 dB

Rated Tx Output Power

1000 Watts 30.00 dBW

Average Tx Power at Feed

832 Watts 29.20 dBW

Average EIRP

1,364.6 Watts



Disclaimer

Metric

Default File

Transmission Mode Form Factor

- SSB (non proc)
- SSB (processed)
- Voice FM .. DVB-T
- FSK, RTTY or AM
- AFSK SSB

Form Factor 100 %

Six Minute Period Average

- Conversational
- EME 30 secs
- EME 1 minute
- EME 2 minutes
- EME 2½ minutes
- Variable

General Public

Six Minute Average 100.0 %

Overall Transmission 100.0 %

Low Gain Antennae

½ w Dipole

¼ w vertical

3el Tri Band 14 MHz

G5RV 3.5 MHz

Rectangular Aperture Array Gain

Variable

0.00 dBd

2.15 dBi

Yagi-Uda

Single Yagi-Uda Gain in dBd

13.50 dBd

Number of Yagis

1

E 27.11 °

Beam Width

H 27.11 °

Linear Gain

36.7

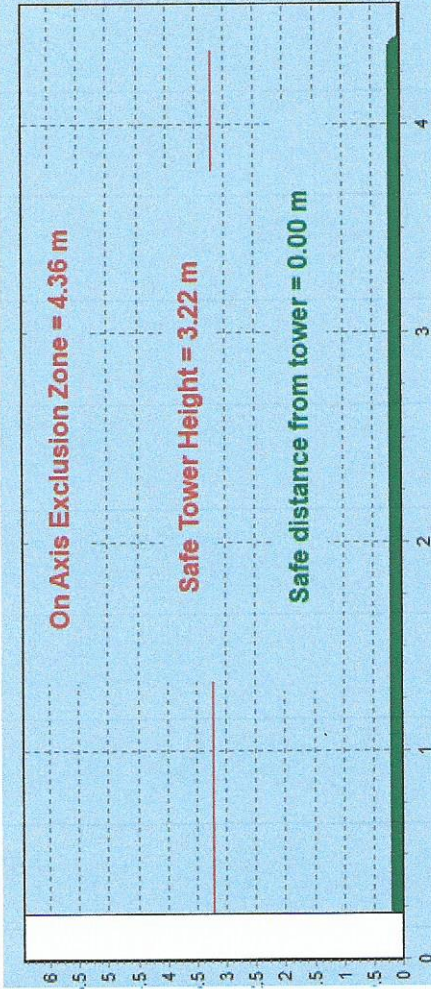
Rectangular Aperture Array Gain

13.50 dBd

15.65 dBi

Tower Height

12.0 Metres



Safe Head height

Radiation Limits

5.71 W/m²

S Designator

E= 46.40 V/m

H= 0.2083 A/m

Variable

CEU

ARPNSA

FCC

Ground Refl.

On Axis Exclusion Zone

4.36 Metres



Print



Data



Close

- VHF - SHF**
- 50 MHz
 - 144.000 MHz**
 - 900 MHz
 - 1296 MHz
 - 2304 MHz
 - 3456 MHz
 - 5760 MHz
 - 10 GHz
 - 24 GHz
 - 48 GHz

- Transmission Mode Form Factor**
- SSB (non proc)
 - SSB (processed)
 - Voice FM .. DVB-T
 - FSK, RTTY or AM
 - AFSK SSB
 - CW
 - Carrier
 - Analog TV
 - FSK 441
 - JT65

- Six Minute Period Average**
- Conversational
 - EME 30 secs
 - EME 1 minute
 - EME 2 minutes
 - EME 2½ minutes
 - Variable

- General Public**
- Six Minute Average
 - 100.0 %
 - Overall Transmission
 - 100.0 %

Transmitter Power

Input a specific Frequency

- | Thousand | Hundred | Tens | Units |
|---------------------------------------|---------------------------|------------------------------------|------------------------------------|
| <input type="radio"/> 0 | <input type="radio"/> 0 | <input checked="" type="radio"/> 0 | <input checked="" type="radio"/> 0 |
| <input checked="" type="radio"/> 1000 | <input type="radio"/> 100 | <input type="radio"/> 10 | <input type="radio"/> 1 |
| <input type="radio"/> 2000 | <input type="radio"/> 200 | <input type="radio"/> 20 | <input type="radio"/> 2 |
| <input type="radio"/> 3000 | <input type="radio"/> 300 | <input type="radio"/> 30 | <input type="radio"/> 3 |
| <input type="radio"/> 4000 | <input type="radio"/> 400 | <input type="radio"/> 40 | <input type="radio"/> 4 |
| <input type="radio"/> 5000 | <input type="radio"/> 500 | <input type="radio"/> 50 | <input type="radio"/> 5 |
| <input type="radio"/> 6000 | <input type="radio"/> 600 | <input type="radio"/> 60 | <input type="radio"/> 6 |
| <input type="radio"/> 7000 | <input type="radio"/> 700 | <input type="radio"/> 70 | <input type="radio"/> 7 |
| <input type="radio"/> 8000 | <input type="radio"/> 800 | <input type="radio"/> 80 | <input type="radio"/> 8 |
| <input type="radio"/> 9000 | <input type="radio"/> 900 | <input type="radio"/> 90 | <input type="radio"/> 9 |

Rated Tx Output Power

1000 Watts 30.00 dBW

Average Tx Power at Feed

631 Watts 28.00 dBW

Average EIRP

23.173.9 Watts

Transmission Loss

2.0 dB

Parabolic Reflector

Circular Aperture

→

Diameter: 8.56 m

Size: [] []

Efficiency %: 55

Beam Width: 17.04°

Linear Gain: 91.6

dB Dish Gain: 19.62 dBd

Yagi-Uda **Dipole** **Vertical**

Single Yagi-Uda Gain in dBd: 13.50 dBd

Number of Yagis: 1

Beam Width: E 27.11° H 27.11°

Rectangular Aperture

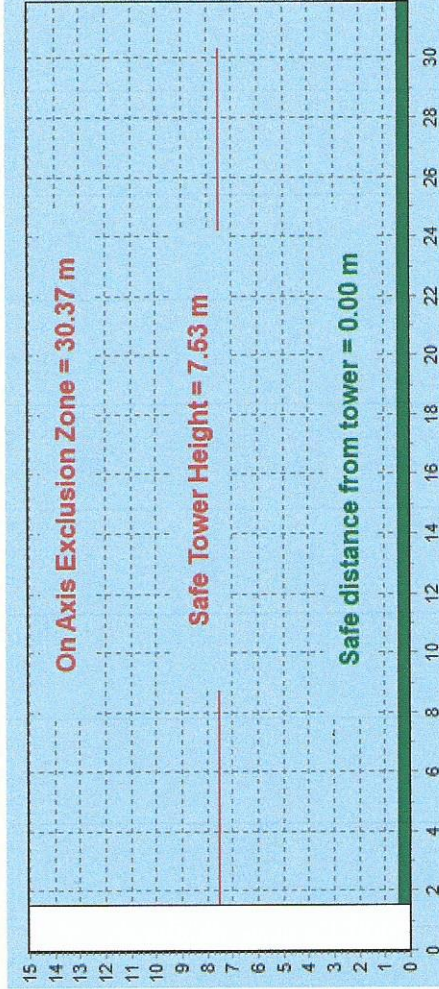
Linear Gain: 36.7

Array Gain: 13.50 dBd

15.65 dBd

Tower Height

17.5 Metres



Safe Head height

Radiation Limits

2.00 W/m²

S Designator

E= 27.40 V/m

H= 0.0729 A/m

Variable

Ground Refl.

Default File

Disclaimer

Metric

On Axis Exclusion Zone

30.37 Metres

Print

Data

Close