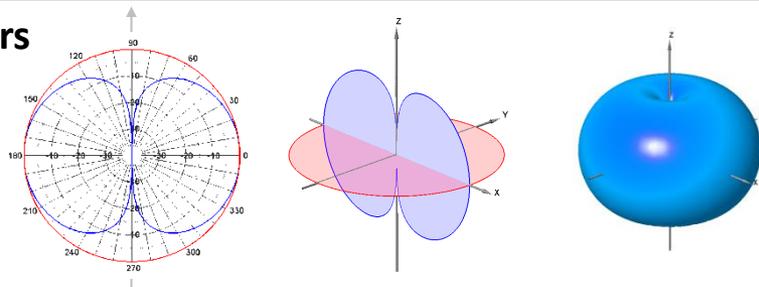


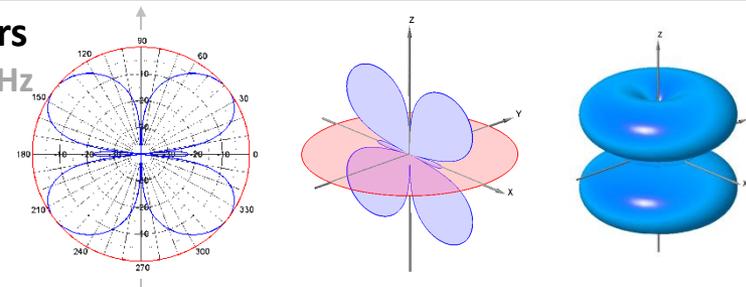
80 Meters

3.75 MHz



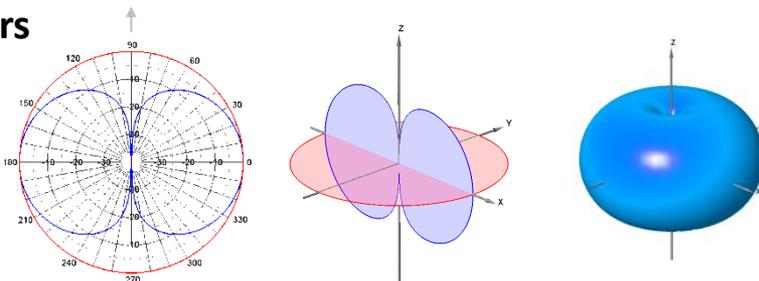
17 Meters

18.118 MHz



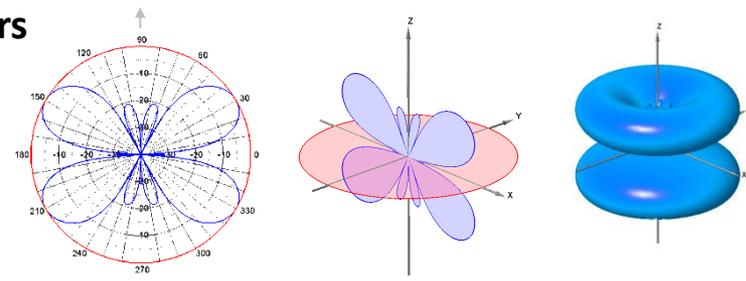
40 Meters

7.1 MHz



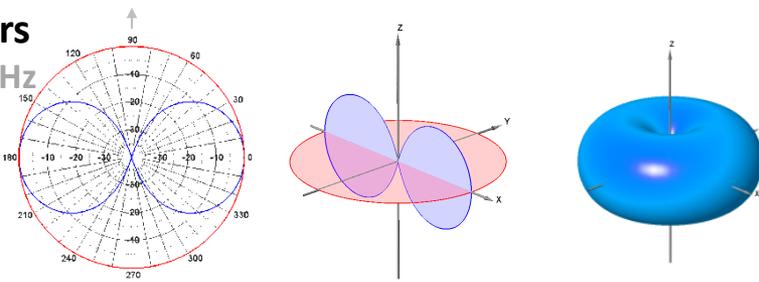
15 Meters

21.1 MHz



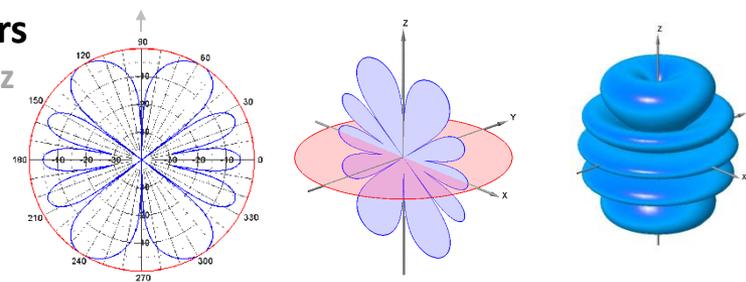
30 Meters

10.125 MHz



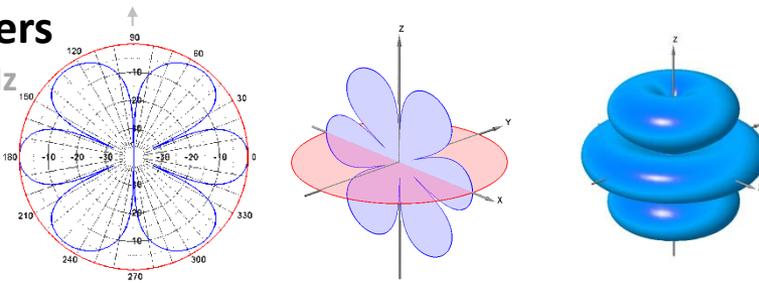
12 Meters

24.94 MHz



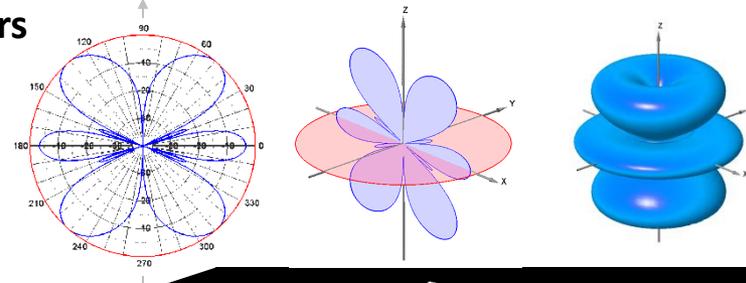
20 Meters

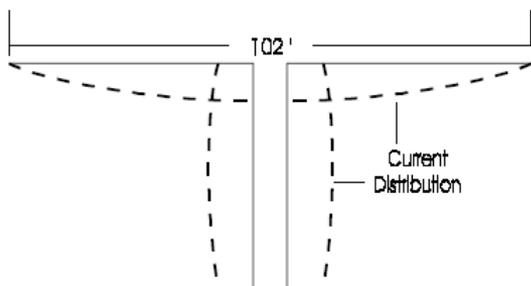
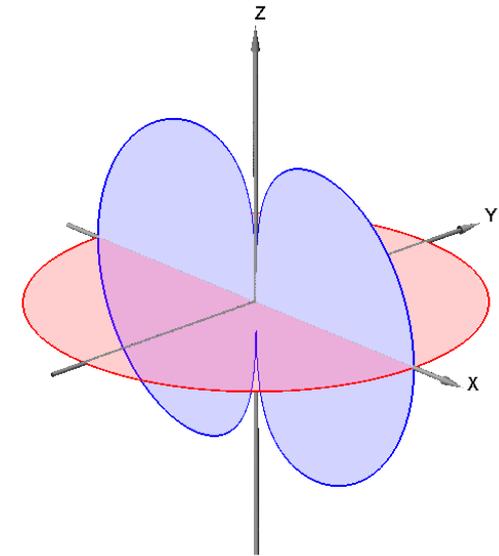
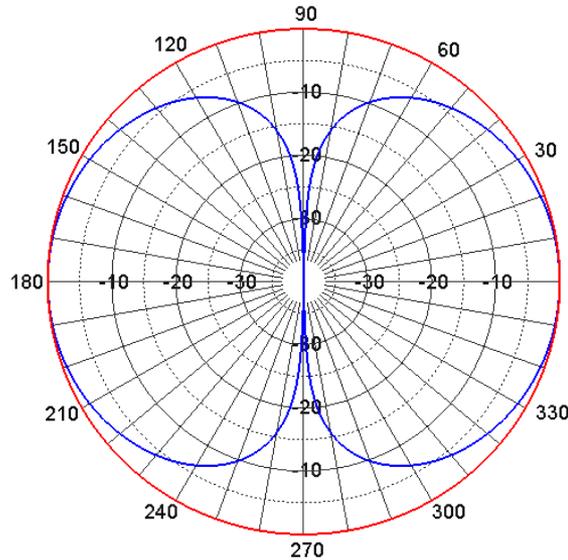
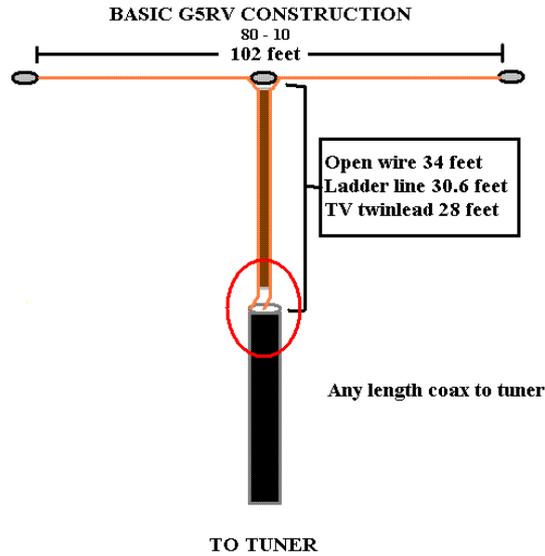
14.15 MHz



10 Meters

28.1 MHz

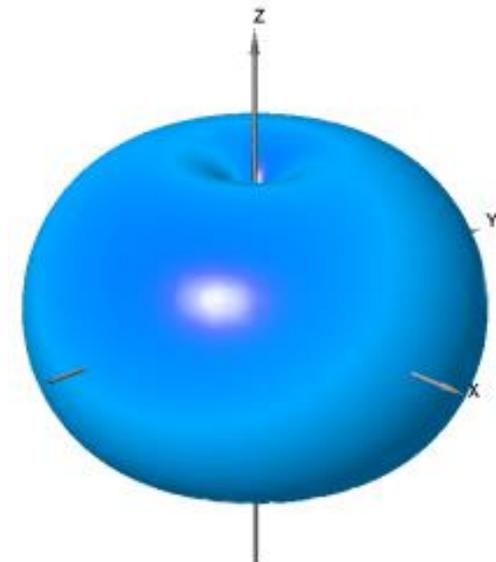




Current Distribution on 80 Meters

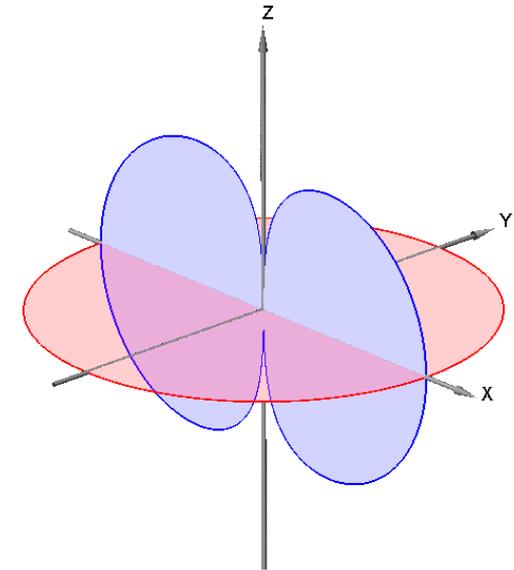
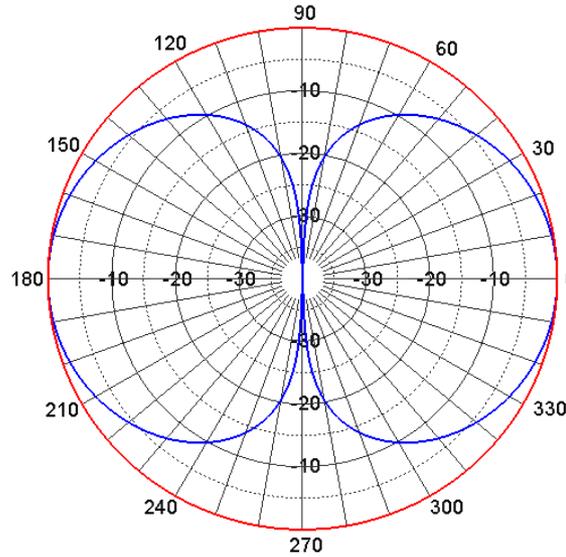
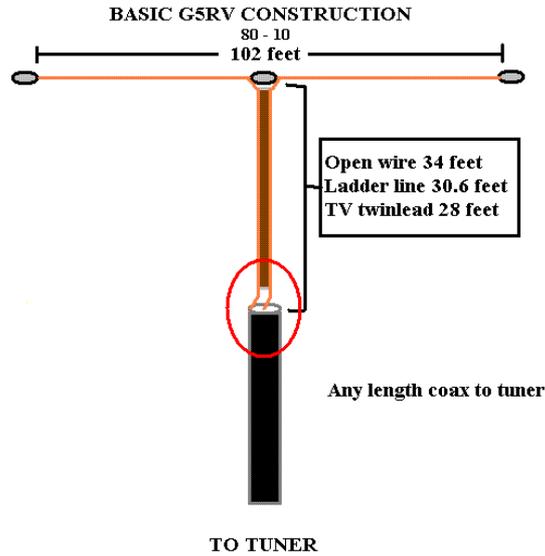
80 meter band:

On 80 meters the G5RV functions as a slightly short half-wave dipole. The current distribution of the antenna and matching line is shown in to the left. The horizontal radiation pattern is the same as a half-wave dipole on this band. With horizontal polarization at heights below 100 feet the antenna is practically omnidirectional and has a high takeoff angle.



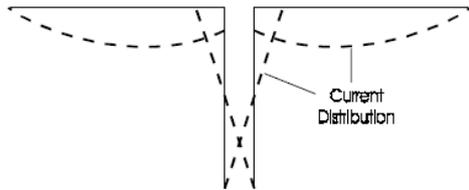
EXTRA	3500 kHz	3525	3585	3600	3700	3800	4000
ADVANCED	CW & DATA	AUTO DATA	SSB PHONE LSB				
GENERAL	CW & DATA	AUTO DATA	SSB PHONE LSB				
TECH&NOVICE	CW 200 WATTS	AUTO DATA	SSB PHONE LSB				

80 METERS
 Best Evenings & Nights

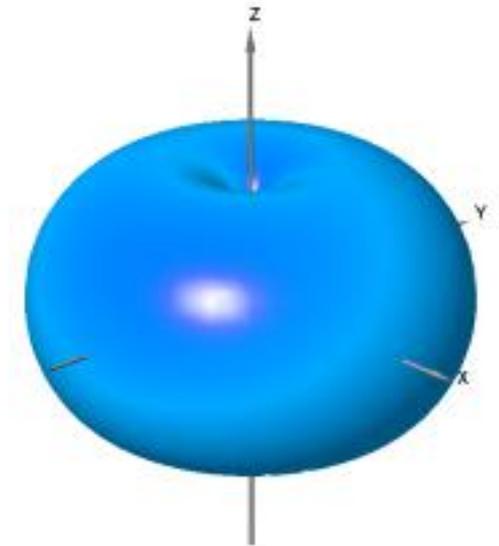


40 meter band:

On 40 meters the G5RV functions as "two halfwaves in-phase" fed with a quarter-wave impedance matching transformer. The current distribution of the antenna and transmission line impedance matching section is shown to the left. The horizontal radiation pattern is somewhat narrower than the pattern of a half-wave dipole and is broadside to the radiator on this band. The G5RV has a small amount of gain and radiates at medium wave angles on 40 meters.



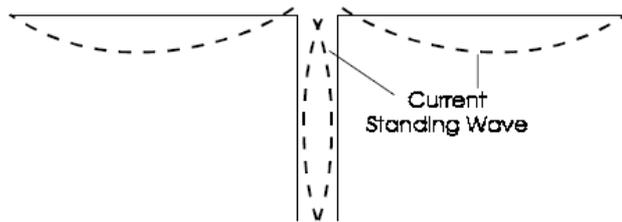
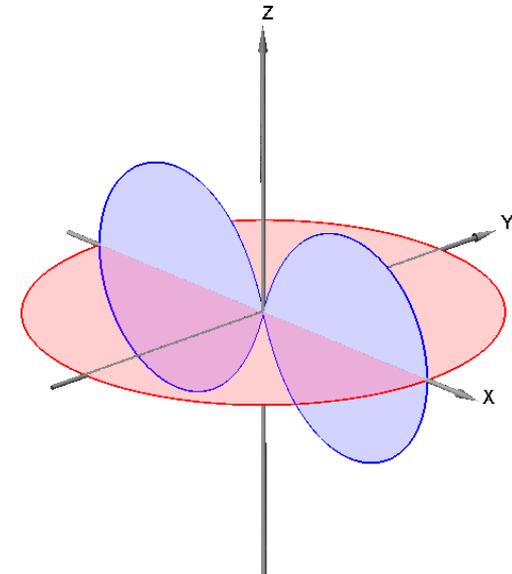
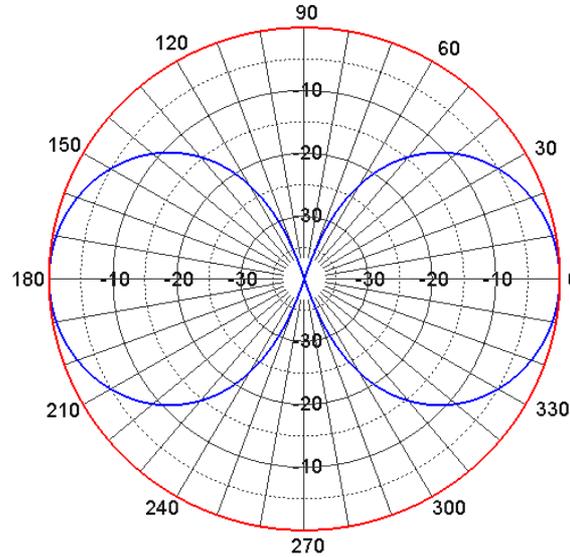
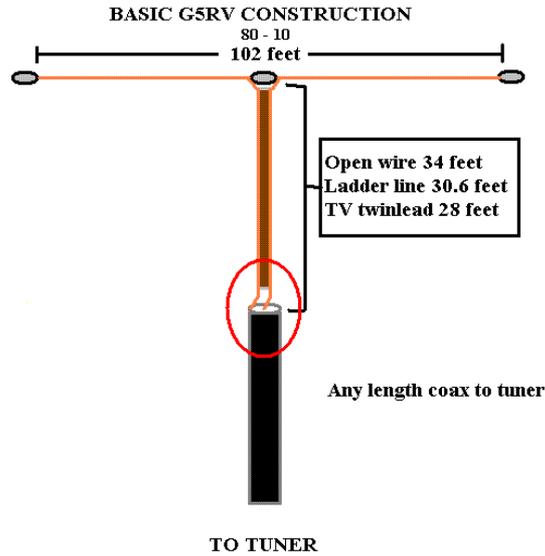
Current Distribution on 40 Meters



- EXTRA
- ADVANCED
- GENERAL
- TECH&NOVICE



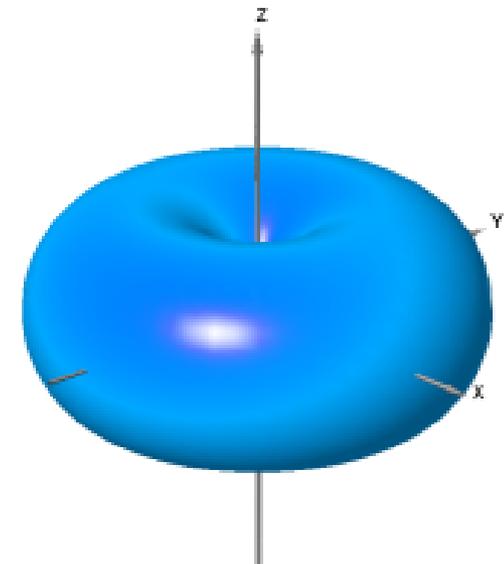
40
 METER
 Best Days
 & Evenings

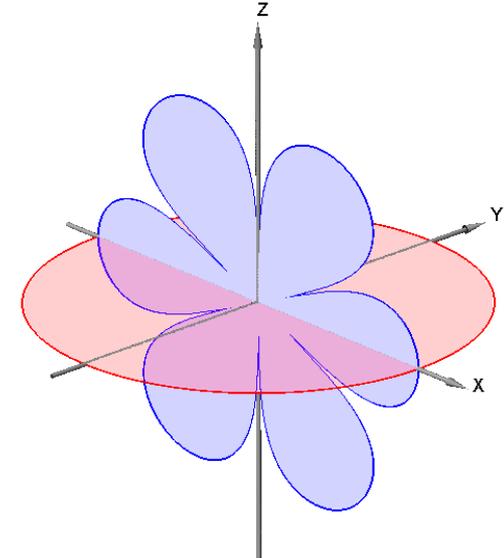
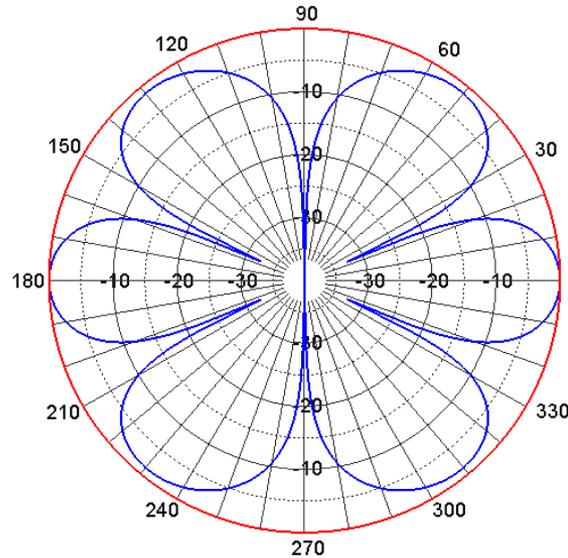
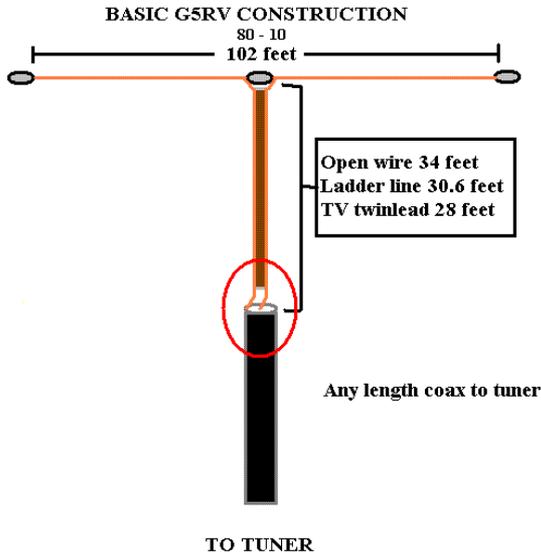


Current Distribution on 30 Meters

30 meter band:

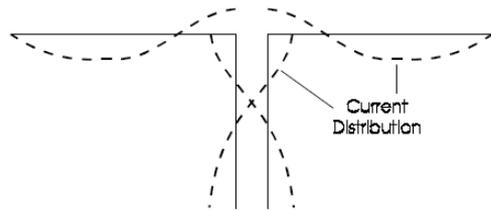
On 30 meters the G5RV functions as an extended double zepp. The current distribution of the antenna and matching line is shown to the left. The horizontal radiation pattern is similar to the pattern of the 40 meter band (broadside) but has four additional minor lobes. The antenna has a gain of around 3 dB on 30 meters.



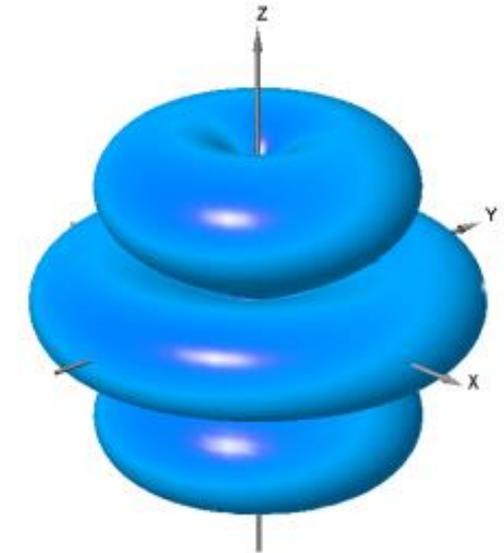


20 meter band:

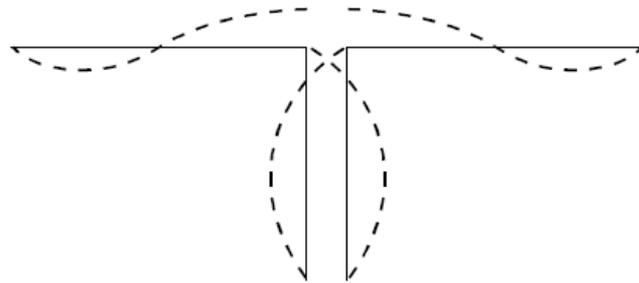
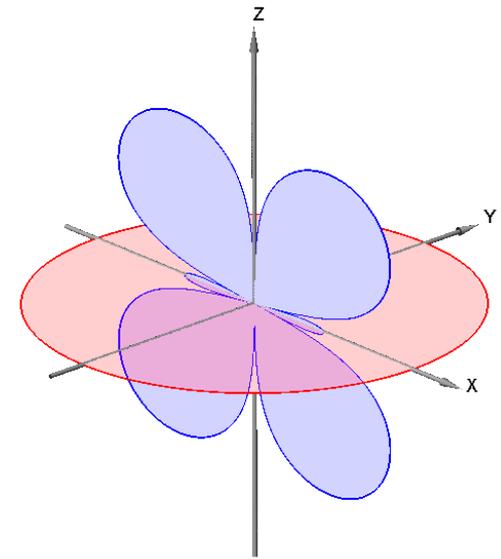
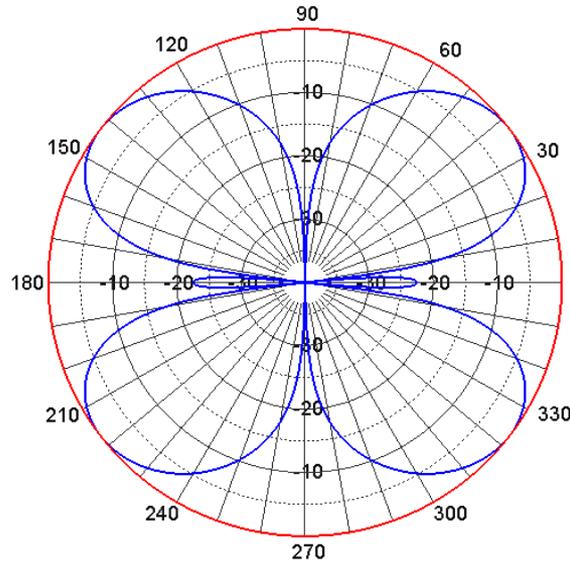
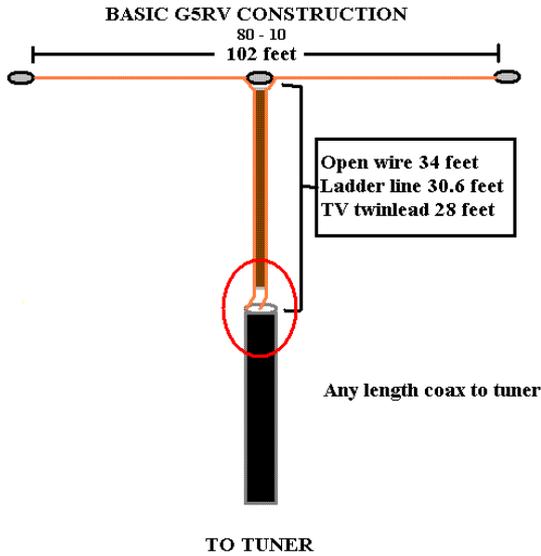
This is the true design frequency of the G5RV. The antenna is a $3/2$ wave center-fed antenna and has a multi-lobe pattern on this band. On this band it is a good DX antenna at heights of 30-60 feet. The radiation angle is fairly low. The feedpoint of the antenna is approximately 100 ohms resistive, and the ladder line functions as a 1:1 ratio transformer. See figure to the left for a diagram of current distribution.



Current Distribution on 20 Meters



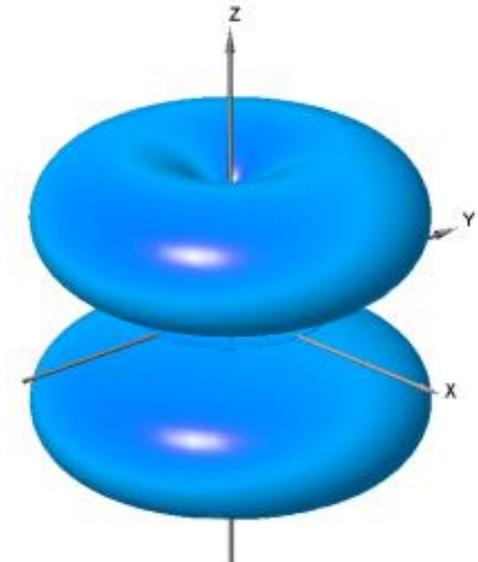
20 METERS
Best Days & Nights



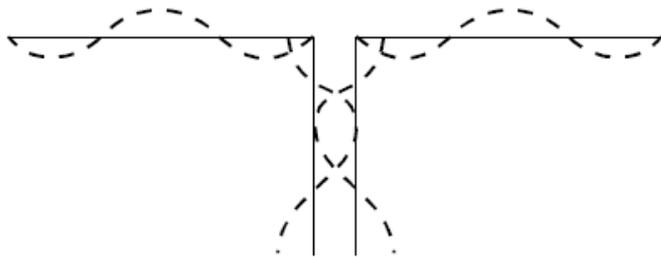
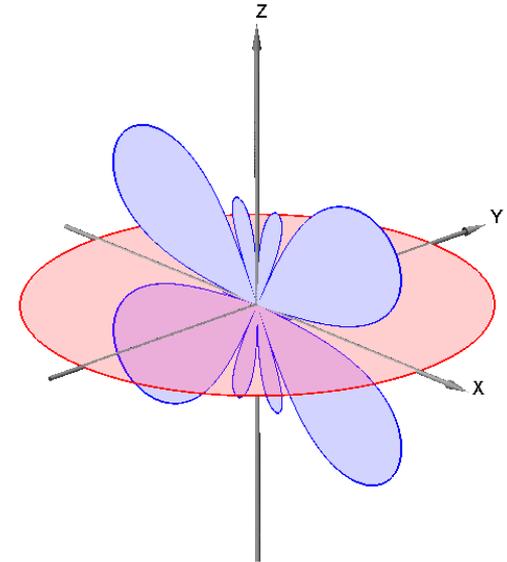
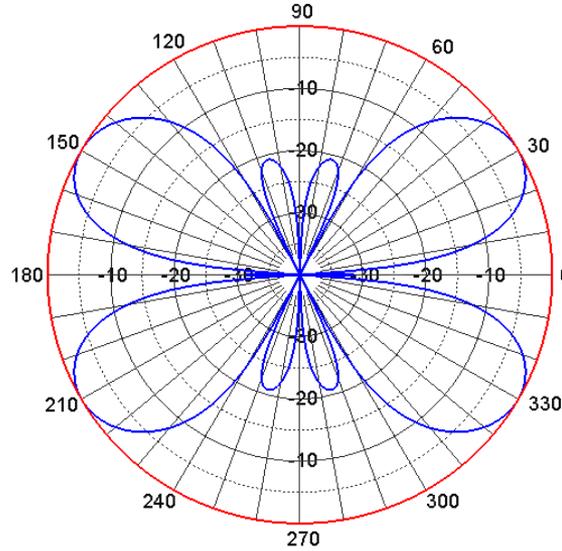
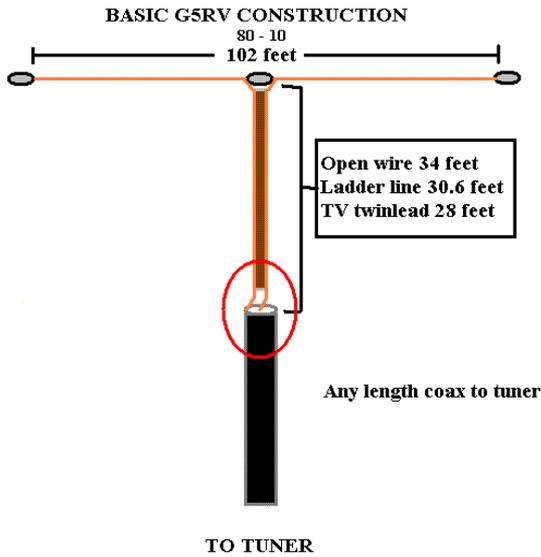
Current Distribution on 17 Meters

17 meter band:

The G5RV is a pair of full-wave antennas fed in-phase on this band. The radiation angle of the antenna is low with many lobes in all directions. The current distribution of the antenna and matching line is shown to the left.



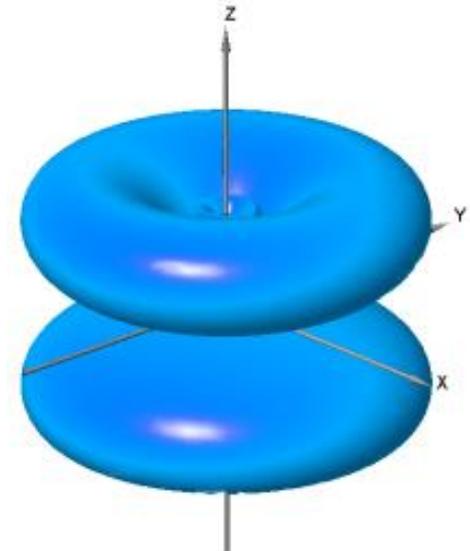
17
METERS
Best Days
& Evenings



Current Distribution on 15 Meters

15 meter band:

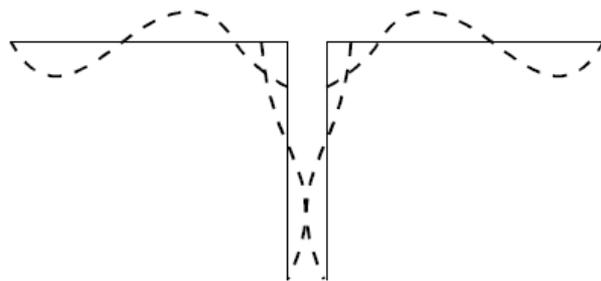
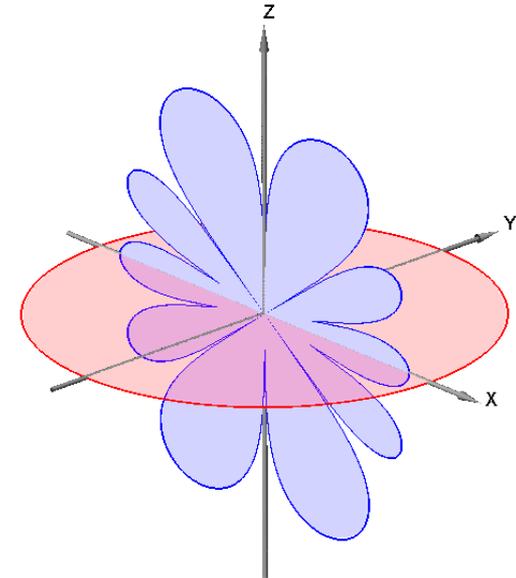
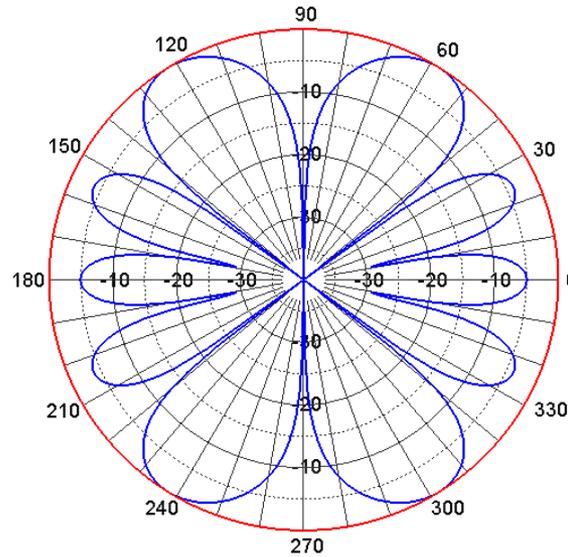
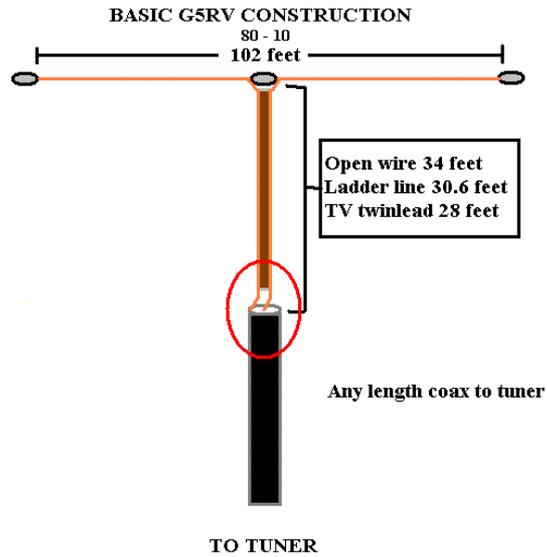
The G5RV is a pair of 1.1 wavelength long wires fed in-phase on this band. This pattern is multi-lobed in the horizontal plane with a low radiation angle. The current distribution of the antenna and matching line is shown to the left.



EXTRA	21000 kHz	21025	21200	21225	21275	21450
ADVANCED	CW & DATA	CW & DATA	SSB PHONE USB	SSB PHONE USB	SSB PHONE USB	SSB PHONE USB
GENERAL	CW & DATA	CW & DATA	SSB PHONE USB	SSB PHONE USB	SSB PHONE USB	SSB PHONE USB
TECH&NOVICE	CW 200 WATTS	CW 200 WATTS	SSB PHONE USB	SSB PHONE USB	SSB PHONE USB	SSB PHONE USB

Best Days

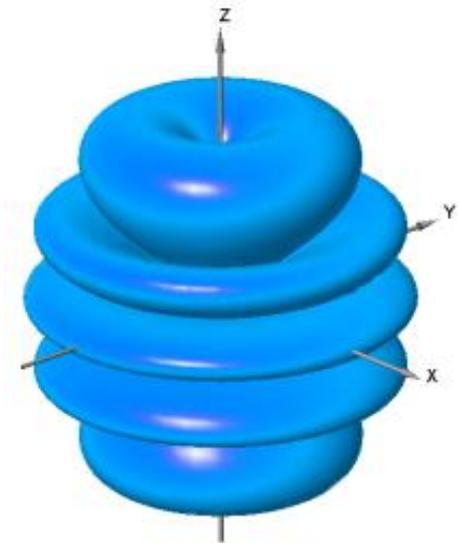
15
METER
Best Days



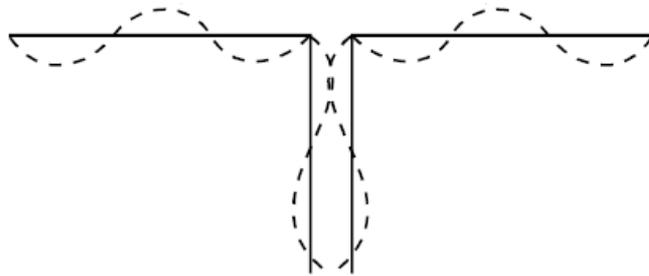
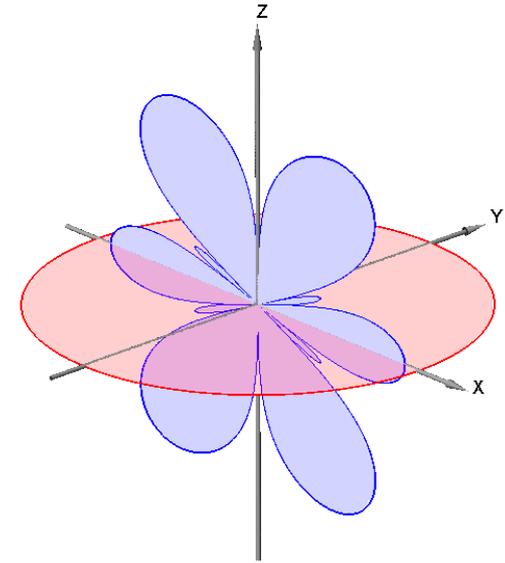
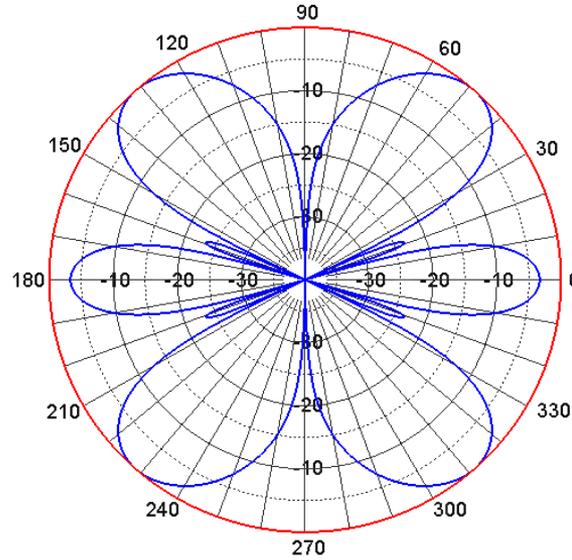
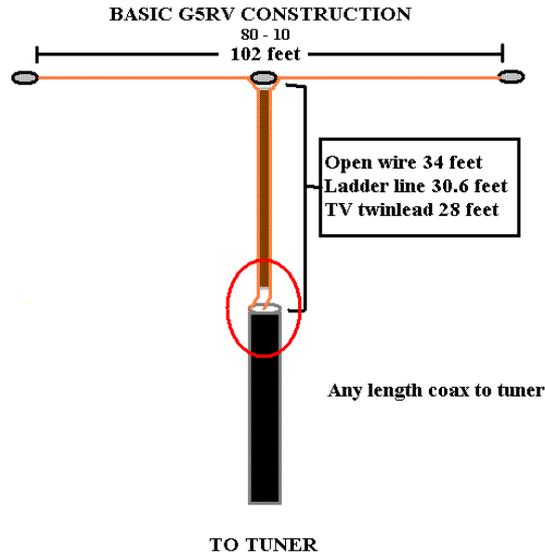
Current Distribution on 12 Meters

12 meter band:

On 12 meters the G5RV is a pair of 1.3 wavelength longwires fed in-phase. The feedpoint resistance is fairly low. The radiation pattern has many lobes and a low radiation angle. The current distribution of the antenna and ladder line is shown in the figure to the left.



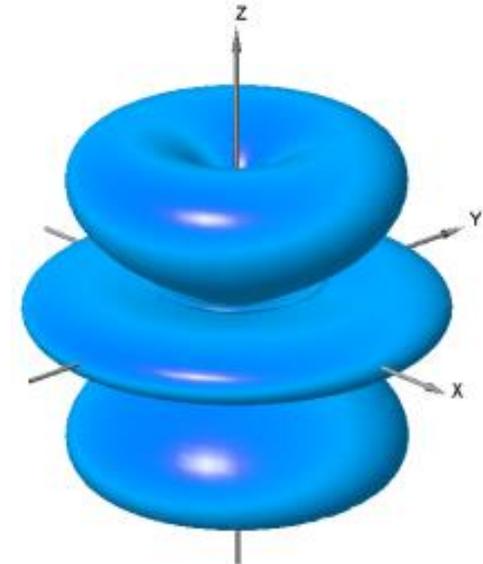
12
METER
Best Days



Current Distribution on 10 Meters

10 meter band:

The G5RV functions as two 3/2 wave longwire antennas fed in-phase on this band. The pattern has multiple lobes in all directions. The current distribution of the antenna and matching line is shown in the figure to the left.



	28000 kHz	28200	28300	28500	29300	29600	29700
EXTRA	CW & DATA	CW Beacons	PHONE	SSB PHONE USB	SATS	FM	
ADVANCED	CW & DATA	CW Beacons	PHONE	SSB PHONE USB	SATS	FM	
GENERAL	CW & DATA	CW Beacons	PHONE	SSB PHONE USB	SATS	FM	
TECH&NOVICE	CW & DATA	CW Beacons	PHONE

10
METER
Best Days