

The antenna kitting options for model F20G-CPAL-AB-C signal booster were done for 24 Outside Antenna kit options and 16 Inside Antenna kit options. The order of the attached calculations is as follows:

| Outside AntennaKit Options | |
|----------------------------|---------------|
| 1 | Kit 11-100400 |
| 2 | Kit 11-7550 |
| 3 | Kit 11-10050 |
| 4 | Kit10-3050 |
| 5 | Kit10-50400 |
| 6 | Kit10-5050 |
| 7 | Kit10-75400 |
| 8 | Kit10-100400 |
| 9 | Kit10-7550 |
| 10 | Kit10-10050 |
| 11 | Kit 9-50400 |
| 12 | Kit 9-5050 |
| 13 | Kit 9-75400 |
| 14 | Kit 9-100400 |
| 15 | Kit 9-7550 |
| 16 | Kit 9-10050 |
| 17 | Kit5-30400 |
| 18 | Kit5-3050 |
| 19 | Kit5-50400 |
| 20 | Kit5-5050 |
| 21 | Kit5-75400 |
| 22 | Kit5-10400 |
| 23 | Kit5-7550 |
| 24 | Kit5-10050 |

| Inside AntennaKit Options | |
|---------------------------|-----------------|
| 1 | Kit 52-5050-50 |
| 2 | Kit 102-5050-50 |
| 3 | Kit 103-7550-50 |
| 4 | Kit 104-7550-50 |
| 5 | Kit 3-1550 |
| 6 | Kit 3-30400 |
| 7 | Kit 3-5050 |
| 8 | Kit 3-7550 |
| 9 | Kit 3-10050 |
| 10 | Kit 3-30400 |
| 11 | Kit 3-50400 |
| 12 | Kit 3-75400 |
| 13 | Kit 3-100400 |
| 14 | Kit 32-50400-50 |
| 15 | Kit 33-50400-50 |
| 16 | Kit 34-50400-50 |

Outside Antenna kit Options

Final Output Power Limited to 30 dBm EIRP in all Frequency Bands

| | | | | | |
|--------------------------|---------|---------|---------|-----------|-----------|
| Uplink Frequency(MHz) | 704-716 | 776-787 | 824-849 | 1710-1755 | 1850-1910 |
| Uplink Output Power(dBm) | 24.5 | 23.4 | 24.5 | 23.7 | 23.6 |

1. Yagi 11dbi Antenna with 100' 400 N male Kit numbers: 11-100400

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 10 | 10 | 10 | 11 | 11 |
| Coax Cable Loss (dB) | 4.8 | 4.8 | 4.8 | 7 | 7 |
| Final Gain Less Loss (dB) | 5.2 | 5.2 | 5.2 | 4 | 4 |
| Final Output Power (dBm EIRP) | 29.7 | 28.6 | 29.7 | 27.7 | 27.6 |

2. Yagi 11dbi Antenna with 75' 5D N male Kit numbers: 11-7550

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 10 | 10 | 10 | 11 | 11 |
| Coax Cable Loss (dB) | 4.6 | 4.6 | 4.6 | 6 | 6 |
| Final Gain Less Loss (dB) | 5.4 | 5.4 | 5.4 | 5 | 5 |
| Final Output Power (dBm EIRP) | 29.9 | 28.8 | 29.9 | 28.7 | 28.6 |

3. Yagi 11dbi Antenna with 100' 5D N male Kit numbers: 11-10050

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 10 | 10 | 10 | 11 | 11 |
| Coax Cable Loss (dB) | 5 | 5 | 5 | 8 | 8 |
| Final Gain Less Loss (dB) | 5 | 5 | 5 | 3 | 3 |
| Final Output Power (dBm EIRP) | 29.5 | 28.4 | 29.5 | 26.7 | 26.6 |

4. Panel 10dbi Antenna with 30' 5D N male Kit numbers:10-3050

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 6.5 | 6.5 | 6.5 | 9.4 | 9.4 |
| Coax Cable Loss (dB) | 1.8 | 1.8 | 1.8 | 3.2 | 3.2 |
| Final Gain Less Loss (dB) | 4.7 | 4.7 | 4.7 | 6.2 | 6.2 |
| Final Output Power (dBm EIRP) | 29.2 | 28.1 | 29.2 | 29.9 | 29.8 |

5. Panel 10dbi Antenna with 50' 400 N male Kit numbers:10-50400

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 6.5 | 6.5 | 6.5 | 9.4 | 9.4 |
| Coax Cable Loss (dB) | 2.8 | 2.8 | 2.8 | 3.5 | 3.5 |
| Final Gain Less Loss (dB) | 3.7 | 3.7 | 3.7 | 5.9 | 5.9 |
| Final Output Power (dBm EIRP) | 28.2 | 27.1 | 28.2 | 29.6 | 29.5 |

6. Panel 10dbi Antenna with 50' 5D N male Kit numbers:10-5050

| | | | | | |
|-------------------------------|-----|------|-----|------|-----|
| Antenna Gain (dBi) | 6.5 | 6.5 | 6.5 | 9.4 | 9.4 |
| Coax Cable Loss (dB) | 3 | 3 | 3 | 5 | 5 |
| Final Gain Less Loss (dB) | 3.5 | 3.5 | 3.5 | 4.4 | 4.4 |
| Final Output Power (dBm EIRP) | 28 | 26.9 | 28 | 28.1 | 28 |

7. Panel 10dbi Antenna with 75' 400 N male Kit numbers:10-75400

| | | | | | |
|-------------------------------|-----|------|-----|------|-----|
| Antenna Gain (dBi) | 6.5 | 6.5 | 6.5 | 9.4 | 9.4 |
| Coax Cable Loss (dB) | 3 | 3 | 3 | 5 | 5 |
| Final Gain Less Loss (dB) | 3.5 | 3.5 | 3.5 | 4.4 | 4.4 |
| Final Output Power (dBm EIRP) | 28 | 26.9 | 28 | 28.1 | 28 |

8. Panel 10dbi Antenna with 100' 400 N male Kit numbers:10-100400

| | | | | | |
|-------------------------------|------|------|------|------|-----|
| Antenna Gain (dBi) | 6.5 | 6.5 | 6.5 | 9.4 | 9.4 |
| Coax Cable Loss (dB) | 4.8 | 4.8 | 4.8 | 7 | 7 |
| Final Gain Less Loss (dB) | 1.7 | 1.7 | 1.7 | 2.4 | 2.4 |
| Final Output Power (dBm EIRP) | 26.2 | 25.1 | 26.2 | 26.1 | 26 |

9. Panel 10dbi Antenna with 75' 5D N male Kit numbers:10-7550

| | | | | | |
|-------------------------------|------|------|------|------|-----|
| Antenna Gain (dBi) | 6.5 | 6.5 | 6.5 | 9.4 | 9.4 |
| Coax Cable Loss (dB) | 4.6 | 4.6 | 4.6 | 6 | 6 |
| Final Gain Less Loss (dB) | 1.9 | 1.9 | 1.9 | 3.4 | 3.4 |
| Final Output Power (dBm EIRP) | 26.4 | 25.3 | 26.4 | 27.1 | 27 |

10. Panel 10dbi Antenna with 100' 5D N male Kit numbers:10-10050

| | | | | | |
|-------------------------------|-----|------|-----|------|-----|
| Antenna Gain (dBi) | 6.5 | 6.5 | 6.5 | 9.4 | 9.4 |
| Coax Cable Loss (dB) | 5 | 5 | 5 | 8 | 8 |
| Final Gain Less Loss (dB) | 1.5 | 1.5 | 1.5 | 1.4 | 1.4 |
| Final Output Power (dBm EIRP) | 26 | 24.9 | 26 | 25.1 | 25 |

11. Yagi 9dbi Antenna with 50' 400 N male Kit numbers:9-50400

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 8 | 8 | 8 | 9.5 | 9.5 |
| Coax Cable Loss (dB) | 2.8 | 2.8 | 2.8 | 3.5 | 3.5 |
| Final Gain Less Loss (dB) | 5.2 | 5.2 | 5.2 | 6 | 6 |
| Final Output Power (dBm EIRP) | 29.7 | 28.6 | 29.7 | 29.7 | 29.6 |

12. Yagi 9dbi Antenna with 50' 5D N male Kit numbers:9-5050

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 8 | 8 | 8 | 9.5 | 9.5 |
| Coax Cable Loss (dB) | 3 | 3 | 3 | 5 | 5 |
| Final Gain Less Loss (dB) | 5 | 5 | 5 | 4.5 | 4.5 |
| Final Output Power (dBm EIRP) | 29.5 | 28.4 | 29.5 | 28.2 | 28.1 |

13. Yagi 9dbi Antenna with 75' 400 N male Kit numbers:9-75400

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 8 | 8 | 8 | 9.5 | 9.5 |
| Coax Cable Loss (dB) | 3 | 3 | 3 | 5 | 5 |
| Final Gain Less Loss (dB) | 5 | 5 | 5 | 4.5 | 4.5 |
| Final Output Power (dBm EIRP) | 29.5 | 28.4 | 29.5 | 28.2 | 28.1 |

14. Yagi 9dbi Antenna with 100' 400 N male

Kit numbers:9-100400

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 8 | 8 | 8 | 9.5 | 9.5 |
| Coax Cable Loss (dB) | 4.8 | 4.8 | 4.8 | 7 | 7 |
| Final Gain Less Loss (dB) | 3.2 | 3.2 | 3.2 | 2.5 | 2.5 |
| Final Output Power (dBm EIRP) | 27.7 | 26.6 | 27.7 | 26.2 | 26.1 |

15. Yagi 9dbi Antenna with 75' 5D N male

Kit numbers:9-7550

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 8 | 8 | 8 | 9.5 | 9.5 |
| Coax Cable Loss (dB) | 4.6 | 4.6 | 4.6 | 6 | 6 |
| Final Gain Less Loss (dB) | 3.4 | 3.4 | 3.4 | 3.5 | 3.5 |
| Final Output Power (dBm EIRP) | 27.9 | 26.8 | 27.9 | 27.2 | 27.1 |

16. Yagi 9dbi Antenna with 100' 5D N male

Kit numbers:9-10050

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 8 | 8 | 8 | 9.5 | 9.5 |
| Coax Cable Loss (dB) | 5 | 5 | 5 | 8 | 8 |
| Final Gain Less Loss (dB) | 3 | 3 | 3 | 1.5 | 1.5 |
| Final Output Power (dBm EIRP) | 27.5 | 26.4 | 27.5 | 25.2 | 25.1 |

17. Omni 5dbi Antenna with 30' 400 N male

Kit numbers:5-30400

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 5 | 5 | 5 | 5 | 5 |
| Coax Cable Loss (dB) | 1.1 | 1.1 | 1.1 | 1.8 | 1.8 |
| Final Gain Less Loss (dB) | 3.9 | 3.9 | 3.9 | 3.2 | 3.2 |
| Final Output Power (dBm EIRP) | 28.4 | 27.3 | 28.4 | 26.9 | 26.8 |

18. Omni 5dbi Antenna with 30' 5D N male

Kit numbers:5-3050

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 5 | 5 | 5 | 5 | 5 |
| Coax Cable Loss (dB) | 1.8 | 1.8 | 1.8 | 3.2 | 3.2 |
| Final Gain Less Loss (dB) | 3.2 | 3.2 | 3.2 | 1.8 | 1.8 |
| Final Output Power (dBm EIRP) | 27.7 | 26.6 | 27.7 | 25.5 | 25.4 |

19. Omni 5dbi Antenna with 50' 400 N male

Kit numbers:5-50400

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 5 | 5 | 5 | 5 | 5 |
| Coax Cable Loss (dB) | 2.8 | 2.8 | 2.8 | 3.5 | 3.5 |
| Final Gain Less Loss (dB) | 2.2 | 2.2 | 2.2 | 1.5 | 1.5 |
| Final Output Power (dBm EIRP) | 26.7 | 25.6 | 26.7 | 25.2 | 25.1 |

20. Omni 5dbi Antenna with 50' 5D N male

Kit numbers:5-5050

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 5 | 5 | 5 | 5 | 5 |
| Coax Cable Loss (dB) | 3 | 3 | 3 | 5 | 5 |
| Final Gain Less Loss (dB) | 2 | 2 | 2 | 0 | 0 |
| Final Output Power (dBm EIRP) | 26.5 | 25.4 | 26.5 | 23.7 | 23.6 |

21. Omni 5dbi Antenna with 75' 400 N male

Kit numbers:5-75400

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 5 | 5 | 5 | 5 | 5 |
| Coax Cable Loss (dB) | 3 | 3 | 3 | 5 | 5 |
| Final Gain Less Loss (dB) | 2 | 2 | 2 | 0 | 0 |
| Final Output Power (dBm EIRP) | 26.5 | 25.4 | 26.5 | 23.7 | 23.6 |

22. Omni 5dbi Antenna with 100' 400 N male

Kit numbers:5-10400

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 5 | 5 | 5 | 5 | 5 |
| Coax Cable Loss (dB) | 4.8 | 4.8 | 4.8 | 7 | 7 |
| Final Gain Less Loss (dB) | 0.2 | 0.2 | 0.2 | -2 | -2 |
| Final Output Power (dBm EIRP) | 24.7 | 23.6 | 24.7 | 21.7 | 21.6 |

23. Omni 5dbi Antenna with 75' 5D N male

Kit numbers:5-7550

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 5 | 5 | 5 | 5 | 5 |
| Coax Cable Loss (dB) | 4.6 | 4.6 | 4.6 | 6 | 6 |
| Final Gain Less Loss (dB) | 0.4 | 0.4 | 0.4 | -1 | -1 |
| Final Output Power (dBm EIRP) | 24.9 | 23.8 | 24.9 | 22.7 | 22.6 |

24. Omni 5dbi Antenna with 100' 5D N male

Kit numbers:5-10050

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 5 | 5 | 5 | 5 | 5 |
| Coax Cable Loss (dB) | 5 | 5 | 5 | 8 | 8 |
| Final Gain Less Loss (dB) | 0 | 0 | 0 | -3 | -3 |
| Final Output Power (dBm EIRP) | 24.5 | 23.4 | 24.5 | 20.7 | 20.6 |

Inside Antenna kit Options

| | | | | | |
|---------------------------------------|---------|---------|---------|-----------|-----------|
| Uplink Frequency(MHz) | 704-716 | 776-787 | 824-849 | 1710-1755 | 1850-1910 |
| Measured Uplink Gain(dB) | 60.20 | 60.80 | 60.40 | 66.00 | 64.60 |
| MSCL Minimum (dB) | 36.2 | 37.1 | 37.7 | 43 | 43.7 |
| 6' Separation Distance Path Loss (dB) | 34.7 | 35.6 | 36.2 | 42.5 | 43.2 |
| Polarity Loss (dB) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Max Antenna Gain with Coax Loss (dB) | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 |

1. 2 Whip 5dbi Antenna with 50' 5D N male & a 50 Ohm 2-Way Splitter Kit numbers: 52-5050-50

| | | | | | |
|---------------------------|------|------|------|------|------|
| Antenna Gain (dBi) | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Coax Cable Loss (dB) | 6.5 | 6.5 | 6.5 | 8 | 8 |
| Final Gain Less Loss (dB) | -1.5 | -1.5 | 0.8 | -3.0 | -3.0 |
| Margin (dB) | -3.0 | -3.0 | -3.0 | -5.5 | -5.5 |

2. 2 Panel 10dbi Antenna with 50' 5D N male & a 50 Ohm 2-Way Splitter Kit numbers:102-5050-50

| | | | | | |
|---|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 6.5 | 6.5 | 6.5 | 9.4 | 9.4 |
| Splitter/Coax Loss (dB) | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 |
| Final Gain Less Splitter/Coax Loss (dB) | 0 | 0 | 0 | 0.9 | 0.9 |
| Margin (dB) | -1.50 | -1.47 | -1.46 | -1.58 | -1.59 |

3. 3 Panel 10dbi Antenna with 75' 5D N male & a 50Ohm 3-Way Splitter Kit numbers:103-7550-50

| | | | | | |
|---|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 6.5 | 6.5 | 6.5 | 9.4 | 9.4 |
| Splitter/Coax Loss (dB) | 9.6 | 9.6 | 9.6 | 11 | 11 |
| Final Gain Less Splitter/Coax Loss (dB) | -3.1 | -3.1 | -3.1 | -1.6 | -1.6 |
| Margin (dB) | -4.60 | -4.57 | -4.56 | -4.08 | -4.09 |

4. 4 Panel 10dbi Antenna with 75' 5D N male & three 50 Ohm 2-Way Splitter k it numbers:104-7550-50

| | | | | | |
|---|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 6.5 | 6.5 | 6.5 | 9.4 | 9.4 |
| Splitter/Coax Loss (dB) | 10.6 | 10.6 | 10.6 | 12 | 12 |
| Final Gain Less Splitter/Coax Loss (dB) | -4.1 | -4.1 | -4.1 | -2.6 | -2.6 |
| Margin (dB) | -5.60 | -5.57 | -5.56 | -5.08 | -5.09 |

5. Omni 3dBi Antenna with 15' 5D N Male

Kit numbers:3-1550

| | | | | | |
|---------------------------|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Coax Cable Loss (dB) | 1.6 | 1.6 | 1.6 | 2 | 2 |
| Final Gain Less Loss (dB) | 1.4 | 1.4 | 1.4 | 1 | 1 |
| Margin (dB) | -0.10 | -0.07 | -0.06 | -1.48 | -1.49 |

6. Omni 3dBi Antenna with 30' 400 N Male

Kit numbers:3-30400

| | | | | | |
|---------------------------|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Coax Cable Loss (dB) | 1.8 | 1.8 | 1.8 | 2.5 | 2.5 |
| Final Gain Less Loss (dB) | 1.2 | 1.2 | 1.2 | 0.5 | 0.5 |
| Margin (dB) | -0.30 | -0.27 | -0.26 | -1.98 | -1.99 |

7. Omni 3dBi Antenna with 50' 5D N Male

Kit numbers:3-5050

| | | | | | |
|---------------------------|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Coax Cable Loss (dB) | 3 | 3 | 3 | 5 | 5 |
| Final Gain Less Loss (dB) | 0 | 0 | 0 | -2 | -2 |
| Margin (dB) | -1.50 | -1.47 | -1.46 | -4.48 | -4.49 |

8. Omni 3dBi Antenna with 75' 5D N Male

Kit numbers:3-7550

| | | | | | |
|---------------------------|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Coax Cable Loss (dB) | 4.6 | 4.6 | 4.6 | 6 | 6 |
| Final Gain Less Loss (dB) | -1.6 | -1.6 | -1.6 | -3 | -3 |
| Margin (dB) | -3.10 | -3.07 | -3.06 | -5.48 | -5.49 |

9. Omni 3dBi Antenna with 100' 5D N Male

Kit numbers:3-10050

| | | | | | |
|---------------------------|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Coax Cable Loss (dB) | 5 | 5 | 5 | 8 | 8 |
| Final Gain Less Loss (dB) | -2 | -2 | -2 | -5 | -5 |
| Margin (dB) | -3.50 | -3.47 | -3.46 | -7.48 | -7.49 |

10. Omni 3dBi Antenna with 30' 400 N Male

Kit numbers:3-30400

| | | | | | |
|---------------------------|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Coax Cable Loss (dB) | 1.8 | 1.8 | 1.8 | 2.5 | 2.5 |
| Final Gain Less Loss (dB) | 1.2 | 1.2 | 1.2 | 0.5 | 0.5 |
| Margin (dB) | -0.30 | -0.27 | -0.26 | -1.98 | -1.99 |

11. Omni 3dBi Antenna with 50' 400 N Male

Kit numbers:3-50400

| | | | | | |
|---------------------------|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Coax Cable Loss (dB) | 2.8 | 2.8 | 2.8 | 3.5 | 3.5 |
| Final Gain Less Loss (dB) | 0.2 | 0.2 | 0.2 | -0.5 | -0.5 |
| Margin (dB) | -1.30 | -1.27 | -1.26 | -2.98 | -2.99 |

12. Omni 3dBi Antenna with 75' 400 N Male

Kit numbers:3-75400

| | | | | | |
|---------------------------|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Coax Cable Loss (dB) | 3 | 3 | 3 | 5 | 5 |
| Final Gain Less Loss (dB) | 0 | 0 | 0 | -2 | -2 |
| Margin (dB) | -1.50 | -1.47 | -1.46 | -4.48 | -4.49 |

13. Omni 3dBi Antenna with 100' 400 N Male

Kit numbers:3-100400

| | | | | | |
|---|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Coax Cable Loss (dB) | 4.8 | 4.8 | 4.8 | 7 | 7 |
| Final Gain Less Coax /Splitter Loss(dB) | -1.8 | -1.8 | -1.8 | -4 | -4 |
| Margin (dB) | -3.30 | -3.27 | -3.26 | -6.48 | -6.49 |

14. 2 Omni 3dBi Antenna with 50' 400 N male & a 50 Ohm 2-Way Splitter

Kit numbers:32-50400-50

| | | | | | |
|---|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Splitter/Coax Loss (dB) | 5.8 | 5.8 | 5.8 | 6.5 | 6.5 |
| Final Gain Less Splitter/Coax Loss (dB) | -2.8 | -2.8 | -2.8 | -3.5 | -3.5 |
| Margin (dB) | -4.30 | -4.27 | -4.26 | -5.98 | -5.99 |

15. 3 Omni 3dBi Antenna with 50' 400 N male & a 50 Ohm 3-Way Splitter

Kit numbers:33-50400-50

| | | | | | |
|---|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Splitter/Coax Loss (dB) | 7.8 | 7.8 | 7.8 | 8.5 | 8.5 |
| Final Gain Less Splitter/Coax Loss (dB) | -4.8 | -4.8 | -4.8 | -5.5 | -5.5 |
| Margin (dB) | -6.30 | -6.27 | -6.26 | -7.98 | -7.99 |

16. 4 Omni 3dBi Antenna with 50' 400 N male & three 50 Ohm 2-Way Splitter

Kit numbers:34-50400-50

| | | | | | |
|---|-------|-------|-------|-------|-------|
| Antenna Gain (dBi) | 3 | 3 | 3 | 3 | 3 |
| Splitter/Coax Loss (dB) | 8.8 | 8.8 | 8.8 | 9.5 | 9.5 |
| Final Gain Less Splitter/Coax Loss (dB) | -5.8 | -5.8 | -5.8 | -6.5 | -6.5 |
| Margin (dB) | -7.30 | -7.27 | -7.26 | -8.98 | -8.99 |