

Outside Antenna Kit Options:

Uplink Frequency(MHz)	824-849	1850-1910
Uplink Output Power(dBm)	20.69	20.03

1. Yagi 11dbi UNI-367 UNI-367 with 30' 5D N male

Antenna Gain (dBi)	10	11
Coax Cable Loss (dB)	1.1	1.6
Final Gain Less Loss (dB)	8.9	9.4
Final Output Power (dBm EIRP)	29.59	29.7

2. Yagi 11dbi UNI-367 with 30' 5D N male

Antenna Gain (dBi)	10	11
Coax Cable Loss (dB)	1.7	2.7
Final Gain Less Loss (dB)	8.3	8.3
Final Output Power (dBm EIRP)	28.99	28.6

3. Yagi 11dbi UNI-367 with 50' 400 N male

Antenna Gain (dBi)	10	11
Coax Cable Loss (dB)	2	3
Final Gain Less Loss (dB)	8	8
Final Output Power (dBm EIRP)	28.69	28.3

4. Yagi 11dbi UNI-367 with 50' 5D N male

Antenna Gain (dBi)	10	11
Coax Cable Loss (dB)	2.8	3.8
Final Gain Less Loss (dB)	7.2	7.2
Final Output Power (dBm EIRP)	27.89	27.5

5. Yagi 11dbi UNI-367 with 75' 400 N male

Antenna Gain (dBi)	10	11
Coax Cable Loss (dB)	3	5
Final Gain Less Loss (dB)	7	6
Final Output Power (dBm EIRP)	27.69	26.3

6. Yagi 11dbi UNI-367 with 100' 400 N male

Antenna Gain (dBi)	10	11
Coax Cable Loss (dB)	3.9	6.2
Final Gain Less Loss (dB)	6.1	4.8
Final Output Power (dBm EIRP)	26.79	25.1

7. Yagi 11dbi UNI-367 with 75' 5D N male

Antenna Gain (dBi)	10	11
Coax Cable Loss (dB)	4.2	5.7
Final Gain Less Loss (dB)	5.8	5.3
Final Output Power (dBm EIRP)	26.49	25.6

8. Yagi 11dbi UNI-367 with 100' 5D N male

Antenna Gain (dBi)	10	11
Coax Cable Loss (dB)	5	8
Final Gain Less Loss (dB)	5	3
Final Output Power (dBm EIRP)	25.69	23.3

9. Panel 10dbi UNI-363 with 30' 5D N male

Antenna Gain (dBi)	6.5	9.4
Coax Cable Loss (dB)	1.1	1.6
Final Gain Less Loss (dB)	5.4	7.8
Final Output Power (dBm EIRP)	26.09	28.1

10. Panel 10dbi UNI-363 with 30' 5D N male

Antenna Gain (dBi)	6.5	9.4
Coax Cable Loss (dB)	1.7	2.7
Final Gain Less Loss (dB)	4.8	6.7
Final Output Power (dBm EIRP)	25.49	27

11. Panel 10dbi UNI-363 with 50' 400 N male

Antenna Gain (dBi)	6.5	9.4
Coax Cable Loss (dB)	2	3
Final Gain Less Loss (dB)	4.5	6.4
Final Output Power (dBm EIRP)	25.19	26.7

12. Panel 10dbi UNI-363 with 50' 5D N male

Antenna Gain (dBi)	6.5	9.4
Coax Cable Loss (dB)	2.8	3.8
Final Gain Less Loss (dB)	3.7	5.6
Final Output Power (dBm EIRP)	24.39	25.9

Panel 10dbi UNI-363 with 75' 400 N male

Antenna Gain (dBi)	6.5	9.4
Coax Cable Loss (dB)	3	5
Final Gain Less Loss (dB)	3.5	4.4
Final Output Power (dBm EIRP)	24.19	24.7

13. Panel 10dbi UNI-363 with 100' 400 N male

Antenna Gain (dBi)	6.5	9.4
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Coax Cable Loss (dB)	3.9	6.2
Final Gain Less Loss (dB)	2.6	3.2
Final Output Power (dBm EIRP)	23.29	23.5

14. Panel 10dbi UNI-363 with 75' 5D N male

Antenna Gain (dBi)	6.5	9.4
Coax Cable Loss (dB)	4.2	5.7
Final Gain Less Loss (dB)	2.3	3.7
Final Output Power (dBm EIRP)	22.99	24

15. Panel 10dbi UNI-363 with 100' 5D N male

Antenna Gain (dBi)	6.5	9.4
Coax Cable Loss (dB)	5	8
Final Gain Less Loss (dB)	1.5	1.4
Final Output Power (dBm EIRP)	22.19	21.7

16. Yagi 9db UNI-366 with 30' 5D N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	1.1	1.6
Final Gain Less Loss (dB)	6.9	7.9
Final Output Power (dBm EIRP)	27.59	28.2

17. Yagi 9db UNI-366 with 30' 5D N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	1.7	2.7
Final Gain Less Loss (dB)	6.3	6.8
Final Output Power (dBm EIRP)	26.99	27.1

18. Yagi 9db UNI-366 with 50' 400 N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	2	3
Final Gain Less Loss (dB)	6	6.5
Final Output Power (dBm EIRP)	26.69	26.8

19. Yagi 9db UNI-366 with 50' 5D N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	2.8	3.8
Final Gain Less Loss (dB)	5.2	5.7
Final Output Power (dBm EIRP)	25.89	26

20. Yagi 9db UNI-366 with 75' 400 N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	3	5

Final Gain Less Loss (dB)	5	4.5
Final Output Power (dBm EIRP)	25.69	24.8

21. Yagi 9db UNI-366 with 100' 400 N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	3.9	6.2
Final Gain Less Loss (dB)	4.1	3.3
Final Output Power (dBm EIRP)	24.79	23.6

22. Yagi 9db UNI-366 with 75' 5D N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	4.2	5.7
Final Gain Less Loss (dB)	3.8	3.8
Final Output Power (dBm EIRP)	24.49	24.1

23. Yagi 9db UNI-366 with 100' 5D N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	5	8
Final Gain Less Loss (dB)	3	1.5
Final Output Power (dBm EIRP)	23.69	21.8

24. Omni 5dbi with 30' 5D N male

Antenna Gain (dBi)	5	5
Coax Cable Loss (dB)	1.1	1.6
Final Gain Less Loss (dB)	3.9	3.4
Final Output Power (dBm EIRP)	24.59	23.7

25. Omni 5dbi with 30' 5D N male

Antenna Gain (dBi)	5	5
Coax Cable Loss (dB)	1.7	2.7
Final Gain Less Loss (dB)	3.3	2.3
Final Output Power (dBm EIRP)	23.99	22.6

26. Omni 5dbi with 50' 400 N male

Antenna Gain (dBi)	5	5
Coax Cable Loss (dB)	2	3
Final Gain Less Loss (dB)	3	2
Final Output Power (dBm EIRP)	23.69	22.3

27. Omni 5dbi with 50' 5D N male

Antenna Gain (dBi)	5	5
Coax Cable Loss (dB)	2.8	3.8
Final Gain Less Loss (dB)	2.2	1.2

Final Output Power (dBm EIRP)	22.89	21.5
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28. Omni 5dbi with 75' 400 N male

Antenna Gain (dBi)	5	5
Coax Cable Loss (dB)	3	5
Final Gain Less Loss (dB)	2	0
Final Output Power (dBm EIRP)	22.69	20.3

29. Omni 5dbi with 100' 400 N male

Antenna Gain (dBi)	5	5
Coax Cable Loss (dB)	3.9	6.2
Final Gain Less Loss (dB)	1.1	-1.2
Final Output Power (dBm EIRP)	21.79	19.1

30. Omni 5dbi with 75' 5D N male

Antenna Gain (dBi)	5	5
Coax Cable Loss (dB)	4.2	5.7
Final Gain Less Loss (dB)	0.8	-0.7
Final Output Power (dBm EIRP)	21.49	19.6

31. Omni 5dbi with 100' 5D N male

Antenna Gain (dBi)	5	5
Coax Cable Loss (dB)	5	8
Final Gain Less Loss (dB)	0	-3
Final Output Power (dBm EIRP)	20.69	17.3

Inside Antenna Kit Options:

Uplink Frequency (MHz)	824-869	1850-1910
Measured Uplink Gain (dB)	61.1	70.5
MSCL Minimum (dB)	30.2	36.8
6' Separation Distance Path Loss (dB)	36.16	43.21
Polarity Loss (dB)	3	3
Max Antenna Gain with Coax Loss (dB)	8.96	9.41

1. Whip 5dbi SIG-373

Antenna Gain (dBi)	5	5
Coax Cable Loss (dB)	0	0
Final Gain Less Loss (dB)	5	5
Margin (dB)	-3.96	-4.41

2. Panel 10dbi UNI-363 with 3' 5D N Male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	0.2	0.3
Final Gain Less Loss (dB)	7.8	9.2
Margin (dB)	-1.16	-0.21

3. Panel 10dbi UNI-363 with 15' 5D N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	1.1	1.6
Final Gain Less Loss (dB)	6.9	7.9
Margin (dB)	-2.06	-1.51

4. Panel 10dbi UNI-363 with 30' 400 N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	1.1	1.8
Final Gain Less Loss (dB)	6.9	7.7
Margin (dB)	-2.06	-1.71

5. Panel 10dbi UNI-363 with 50' 5D N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	1.7	2.7
Final Gain Less Loss (dB)	6.3	6.8
Margin (dB)	-2.66	-2.61

6. Panel 10dbi UNI-363 with 75' 5D N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	2	3
Final Gain Less Loss (dB)	6	6.5
Margin (dB)	-2.96	-2.91

7. Panel 10dbi UNI-363 with 75' 5D N male:1 Panel Antenna a 75 Ohm 2-Way Splitter

Antenna Gain (dBi)	8	9.5
Splitter/Coax Loss (dB)	5.2	6.2
Final Gain Less Splitter/Coax Loss (dB)	2.8	3.3
Margin (dB)	-6.16	-6.11

8. Panel 10dbi UNI-363 with 75' 5D N male:2 Panel Antenna a 75 Ohm 3-Way Splitter

Antenna Gain (dBi)	8	9.5
Splitter/Coax Loss (dB)	5.2	6.2
Final Gain Less Splitter/Coax Loss (dB)	2.8	3.3
Margin (dB)	-6.16	-6.11

9. Panel 10dbi UNI-363 with 75' 5D N male:3 Panel Antenna three 75 Ohm 2-Way Splitter

Antenna Gain (dBi)	8	9.5
Splitter/Coax Loss (dB)	5.2	6.2
Final Gain Less Splitter/Coax Loss (dB)	2.8	3.3
Margin (dB)	-6.16	-6.11

10. Panel 10dbi UNI-363 with 75' 5D N male:1 Panel Antenna a 50 Ohm 2-Way Splitter

Antenna Gain (dBi)	8	9.5
Splitter/Coax Loss (dB)	5.2	6.2
Final Gain Less Splitter/Coax Loss (dB)	2.8	3.3
Margin (dB)	-6.16	-6.11

11. Panel 10dbi UNI-363 with 75' 5D N male:2 Panel Antenna a 50 Ohm 3-Way Splitter

Antenna Gain (dBi)	8	9.5
Splitter/Coax Loss (dB)	5.2	6.2
Final Gain Less Splitter/Coax Loss (dB)	2.8	3.3
Margin (dB)	-6.16	-6.11

12. Panel 10dbi UNI-363 with 75' 5D N male:3 Panel Antenna three 50 Ohm 2-Way Splitter

Antenna Gain (dBi)	8	9.5
Splitter/Coax Loss (dB)	5.2	6.2
Final Gain Less Splitter/Coax Loss (dB)	2.8	3.3
Margin (dB)	-6.16	-6.11

13. Panel 10dbi UNI-363 with 100' 5D N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	2.8	3.8
Final Gain Less Loss (dB)	5.2	5.7
Margin (dB)	-3.76	-3.71

14. Panel 10dbi UNI-363 with 30' 400 N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	3	5
Final Gain Less Loss (dB)	5	4.5
Margin (dB)	-3.96	-4.91

15. Panel 10dbi UNI-363 with 50' 400 N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	3.9	6.2
Final Gain Less Loss (dB)	4.1	3.3
Margin (dB)	-4.86	-6.11

16. Panel 10dbi UNI-363 with 75' 400 N male

Antenna Gain (dBi)	8	9.5
Coax Cable Loss (dB)	4.2	5.7
Final Gain Less Loss (dB)	3.8	3.8
Margin (dB)	-5.16	-5.61

17. UNI-372 with 3' 5D N Male

Antenna Gain (dBi)	3	3
Coax Cable Loss (dB)	0.2	0.3
Final Gain Less Loss (dB)	2.8	2.7
Margin (dB)	-6.16	-6.71

18. UNI-372 with 15' 5D N male

Antenna Gain (dBi)	3	3
Coax Cable Loss (dB)	1.1	1.6
Final Gain Less Loss (dB)	1.9	1.4
Margin (dB)	-7.06	-8.01

19. UNI-372 with 30' 400 N male

Antenna Gain (dBi)	3	3
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Coax Cable Loss (dB)	1.1	1.8
Final Gain Less Loss (dB)	1.9	1.2
Margin (dB)	-7.06	-8.21

20. UNI-372 with 50' 5D N male

Antenna Gain (dBi)	3	3
Coax Cable Loss (dB)	1.7	2.7
Final Gain Less Loss (dB)	1.3	0.3
Margin (dB)	-7.66	-9.11

21. UNI-372 with 75' 5D N male

Antenna Gain (dBi)	3	3
Coax Cable Loss (dB)	2	3
Final Gain Less Loss (dB)	1	0
Margin (dB)	-7.96	-9.41

22. UNI-372 with 100' 5D N male

Antenna Gain (dBi)	3	3
Coax Cable Loss (dB)	2.8	3.8
Final Gain Less Loss (dB)	0.2	-0.8
Margin (dB)	-8.76	-10.21

23. UNI-372 with 30' 400 N male

Antenna Gain (dBi)	3	3
Coax Cable Loss (dB)	3	5
Final Gain Less Loss (dB)	0	-2
Margin (dB)	-8.96	-11.41

24. UNI-372 with 50' 400 N male

Antenna Gain (dBi)	3	3
Coax Cable Loss (dB)	3.9	6.2
Final Gain Less Loss (dB)	-0.9	-3.2
Margin (dB)	-9.86	-12.61

25. UNI-372 with 75' 400 N male

Antenna Gain (dBi)	3	3
Coax Cable Loss (dB)	4.2	5.7
Final Gain Less Loss (dB)	-1.2	-2.7
Margin (dB)	-10.16	-12.11

26. UNI-372 with 100' 400 N male

Antenna Gain (dBi)	3	3
Coax Cable Loss (dB)	5	8

Final Gain Less Coax /Splitter Loss(dB)	-2	-5
Margin (dB)	-10.96	-14.41