



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

External Antenna Options:

1 Omni Directional Antenna with 10' DA240 Cable 1273-24010

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1.2	2
Output Power plus Final Gain (dBm ERP)	25.2	26

2 Omni Directional Antenna with 15' DA240 Cable 1273-24015

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.8	1.3
Output Power plus Final Gain (dBm ERP)	24.8	25.3

3 Omni Directional Antenna with 30' DA240 Cable 1273-24030

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.7	-0.9
Output Power plus Final Gain (dBm ERP)	23.3	23.1

4 Omni Directional Antenna with 50' DA340 Cable 1273-34050

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.7	-1
Output Power plus Final Gain (dBm ERP)	23.3	23

5 Omni Directional Antenna with 75' DA340 Cable 1273-34075

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.2	-3.2
Output Power plus Final Gain (dBm ERP)	21.8	20.8

6 Omni Directional Antenna with 100' DA340 Cable 1273-340100

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.6	-5.5
Output Power plus Final Gain (dBm ERP)	20.4	18.5

7 Omni Directional Antenna with 150' DA440 Cable 1273-440150

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.5	-5.2
Output Power plus Final Gain (dBm ERP)	20.5	18.8

8 Omni Directional Antenna with 10' DA240 Cable 1285-24010

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1.2	2
Output Power plus Final Gain (dBm ERP)	25.2	26



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9 Omni Directional Antenna with 15' DA240 Cable 1285-24015

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.8	1.3
Output Power plus Final Gain (dBm ERP)	24.8	25.3

10 Omni Directional Antenna with 30' DA240 Cable 1285-24030

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.7	-0.9
Output Power plus Final Gain (dBm ERP)	23.3	23.1

11 Omni Directional Antenna with 50' DA340 Cable 1285-34050

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.7	-1
Output Power plus Final Gain (dBm ERP)	23.3	23

12 Omni Directional Antenna with 75' DA340 Cable 1285-34075

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.2	-3.2
Output Power plus Final Gain (dBm ERP)	21.8	20.8

13 Omni Directional Antenna with 100' DA340 Cable 1285-340100

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.6	-5.5
Output Power plus Final Gain (dBm ERP)	20.4	18.5

14 Omni Directional Antenna with 150' DA440 Cable 1285-440150

Antenna Gain (dB)	3	4.5
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.5	-5.2
Output Power plus Final Gain (dBm ERP)	20.5	18.8

15 Omni Directional Antenna with 10' RG58 Cable 179-TR

Antenna Gain (dB)	1	3.2
Coax Loss (dB)	-3.6	-5.8
Final Gain less loss (dB)	-2.9	-2.6
Output Power plus Final Gain (dBm ERP)	21.4	21.4

16 Omni Directional Antenna with 10' RG58 Cable 196-TR

Antenna Gain (dB)	1	3.2
Coax Loss (dB)	-3.6	-5.8
Final Gain less loss (dB)	-2.9	-2.6
Output Power plus Final Gain (dBm ERP)	21.4	21.4



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17 Omni Directional Antenna with 10' DA240 Cable 184-24010

Antenna Gain (dB)	1	3.2
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	-0.8	0.7
Output Power plus Final Gain (dBm ERP)	23.2	24.7

18 Omni Directional Antenna with 10' RG174 Cable CA09P

Antenna Gain (dB)	4.2	1.2
Coax Loss (dB)	-2.2	-3.5
Final Gain less loss (dB)	2	-2.3
Output Power plus Final Gain (dBm ERP)	26	21.7

19 Omni Directional Antenna with 10' RG174 Cable CA55M

Antenna Gain (dB)	0.7	3.2
Coax Loss (dB)	-3.6	-5.8
Final Gain less loss (dB)	-2.9	-2.6
Output Power plus Final Gain (dBm ERP)	21.1	21.4

20 Omni Directional Antenna with 10' DA240 Cable 288-24010

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	0.7	1.5
Output Power plus Final Gain (dBm ERP)	24.7	25.5

21 Omni Directional Antenna with 15' DA240 Cable 288-24015

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.3	0.8
Output Power plus Final Gain (dBm ERP)	24.3	24.8

22 Omni Directional Antenna with 30' DA240 Cable 288-24030

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-1.2	-1.4
Output Power plus Final Gain (dBm ERP)	22.8	22.6

23 Omni Directional Antenna with 50' DA340 Cable 288-34050

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-1.2	-1.5
Output Power plus Final Gain (dBm ERP)	22.8	22.5

24 Omni Directional Antenna with 75' DA340 Cable 288-34075

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.7	-3.7
Output Power plus Final Gain (dBm ERP)	21.3	20.3



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Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

25 Omni Directional Antenna with 100' DA340 Cable 288-340100

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-4.1	-6
Output Power plus Final Gain (dBm ERP)	19.9	18

26 Omni Directional Antenna with 150' DA440 Cable 288-440150

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-4	-5.7
Output Power plus Final Gain (dBm ERP)	20	18.3

27 Omni Directional Antenna with 20' RG8X Cable 561-CW

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.2	-5.3
Final Gain less loss (dB)	-0.4	-1
Output Power plus Final Gain (dBm ERP)	23.6	23

28 Omni Directional Antenna with 20' RG8X Cable 563-CW

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.2	-5.3
Final Gain less loss (dB)	-0.4	-1
Output Power plus Final Gain (dBm ERP)	23.6	23

29 Omni Directional Antenna with 20' RG8X Cable 567-CW

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.2	-5.3
Final Gain less loss (dB)	-0.4	-1
Output Power plus Final Gain (dBm ERP)	23.6	23

30 Omni Directional Antenna with 10' DA240 Cable 854-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8

31 Omni Directional Antenna with 15' DA240 Cable 854-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

32 Omni Directional Antenna with 30' DA240 Cable 854-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9



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Uplink Output Power (dBm)	24	24

33 Omni Directional Antenna with 50' DA340 Cable 854-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8

34 Omni Directional Antenna with 75' DA340 Cable 854-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6

35 Omni Directional Antenna with 100' DA340 Cable 854-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3

36 Omni Directional Antenna with 150' DA440 Cable 854-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

37 Omni Directional Antenna with 10' DA240 Cable 883-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8

38 Omni Directional Antenna with 15' DA240 Cable 883-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

39 Omni Directional Antenna with 30' DA240 Cable 883-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9

40 Omni Directional Antenna with 50' DA340 Cable 883-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8



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Uplink Output Power (dBm)	24	24

41 Omni Directional Antenna with 75' DA340 Cable 883-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6

42 Omni Directional Antenna with 100' DA340 Cable 883-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3

43 Omni Directional Antenna with 150' DA440 Cable 883-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

44 Omni Directional Antenna with 10' DA240 Cable 897-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8

45 Omni Directional Antenna with 15' DA240 Cable 897-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

46 Omni Directional Antenna with 30' DA240 Cable 897-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9

47 Omni Directional Antenna with 50' DA340 Cable 897-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8

48 Omni Directional Antenna with 75' DA340 Cable 897-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6



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49 Omni Directional Antenna with 100' DA340 Cable 897-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3

50 Omni Directional Antenna with 150' DA440 Cable 897-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

51 Omni Directional Antenna with 10' DA240 Cable 1197-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8

52 Omni Directional Antenna with 15' DA240 Cable 1197-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

53 Omni Directional Antenna with 30' DA240 Cable 1197-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9

54 Omni Directional Antenna with 50' DA340 Cable 1197-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8

55 Omni Directional Antenna with 75' DA340 Cable 1197-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6

56 Omni Directional Antenna with 100' DA340 Cable 1197-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3



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Uplink Output Power (dBm)	24	24

57 Omni Directional Antenna with 150' DA440 Cable 1197-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

58 Omni Directional Antenna with 10' DA240 Cable 295-24010

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	0.7	1.5
Output Power plus Final Gain (dBm ERP)	24.7	25.5

59 Omni Directional Antenna with 15' DA240 Cable 295-24015

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.3	0.8
Output Power plus Final Gain (dBm ERP)	24.3	24.8

60 Omni Directional Antenna with 30' DA240 Cable 295-24030

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-1.2	-1.4
Output Power plus Final Gain (dBm ERP)	22.8	22.6

61 Omni Directional Antenna with 50' DA340 Cable 295-34050

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-1.2	-1.5
Output Power plus Final Gain (dBm ERP)	22.8	22.5

62 Omni Directional Antenna with 75' DA340 Cable 295-34075

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.7	-3.7
Output Power plus Final Gain (dBm ERP)	21.3	20.3

63 Omni Directional Antenna with 100' DA340 Cable 295-340100

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-4.1	-6
Output Power plus Final Gain (dBm ERP)	19.9	18

64 Omni Directional Antenna with 150' DA440 Cable 295-440150

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-4	-5.7
Output Power plus Final Gain (dBm ERP)	20	18.3



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65 Omni Directional Antenna with 10' DA240 Cable 861-24010

Antenna Gain (dB)	2.5	4
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	0.7	1.5
Output Power plus Final Gain (dBm ERP)	24.7	25.5

66 Omni Directional Antenna with 15' DA240 Cable 861-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

67 Omni Directional Antenna with 30' DA240 Cable 861-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9

68 Omni Directional Antenna with 50' DA340 Cable 861-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8

69 Omni Directional Antenna with 75' DA340 Cable 861-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6

70 Omni Directional Antenna with 100' DA340 Cable 861-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3

71 Omni Directional Antenna with 150' DA440 Cable 861-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

72 Omni Directional Antenna with 10' DA240 Cable 1161-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8



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Uplink Output Power (dBm)	24	24

73 Omni Directional Antenna with 15' DA240 Cable 1161-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

74 Omni Directional Antenna with 30' DA240 Cable 1161-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9

75 Omni Directional Antenna with 50' DA340 Cable 1161-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8

76 Omni Directional Antenna with 75' DA340 Cable 1161-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6

77 Omni Directional Antenna with 100' DA340 Cable 1161-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3

78 Omni Directional Antenna with 150' DA440 Cable 1161-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

79 Omni Directional Antenna with 10' DA240 Cable 865-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8

80 Omni Directional Antenna with 15' DA240 Cable 865-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

81 Omni Directional Antenna with 30' DA240 Cable 865-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9

82 Omni Directional Antenna with 50' DA340 Cable 865-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8

83 Omni Directional Antenna with 75' DA340 Cable 865-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6

84 Omni Directional Antenna with 100' DA340 Cable 865-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3

85 Omni Directional Antenna with 150' DA440 Cable 865-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

86 Omni Directional Antenna with 10' DA240 Cable 1154-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8

87 Omni Directional Antenna with 15' DA240 Cable 1154-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

88 Omni Directional Antenna with 30' DA240 Cable 1154-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

89 Omni Directional Antenna with 50' DA340 Cable 1154-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8

90 Omni Directional Antenna with 75' DA340 Cable 1154-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6

91 Omni Directional Antenna with 100' DA340 Cable 1154-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3

92 Omni Directional Antenna with 150' DA440 Cable 1154-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

93 Omni Directional Antenna with 10' DA240 Cable 1183-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8

94 Omni Directional Antenna with 15' DA240 Cable 1183-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

95 Omni Directional Antenna with 30' DA240 Cable 1183-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9

96 Omni Directional Antenna with 50' DA340 Cable 1183-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

97 Omni Directional Antenna with 75' DA340 Cable 1183-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6

98 Omni Directional Antenna with 100' DA340 Cable 1183-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3

99 Omni Directional Antenna with 150' DA440 Cable 1183-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

100 Omni Directional Antenna with 10' DA240 Cable 1165-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8

101 Omni Directional Antenna with 15' DA240 Cable 1165-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

102 Omni Directional Antenna with 30' DA240 Cable 1165-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9

103 Omni Directional Antenna with 50' DA340 Cable 1165-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8

104 Omni Directional Antenna with 75' DA340 Cable 1165-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

105 Omni Directional Antenna with 100' DA340 Cable 1165-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3

106 Omni Directional Antenna with 150' DA440 Cable 1165-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

107 Omni Directional Antenna with 10' DA240 Cable 869-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8

108 Omni Directional Antenna with 15' DA240 Cable 869-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

109 Omni Directional Antenna with 30' DA240 Cable 869-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9

110 Omni Directional Antenna with 50' DA340 Cable 869-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8

111 Omni Directional Antenna with 75' DA340 Cable 869-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6

112 Omni Directional Antenna with 100' DA340 Cable 869-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

113 Omni Directional Antenna with 150' DA440 Cable 869-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6

114 Omni Directional Antenna with 10' DA240 Cable 1169-24010

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-1.8	-2.5
Final Gain less loss (dB)	1	1.8
Output Power plus Final Gain (dBm ERP)	25	25.8

115 Omni Directional Antenna with 15' DA240 Cable 1169-24015

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-2.2	-3.2
Final Gain less loss (dB)	0.6	1.1
Output Power plus Final Gain (dBm ERP)	24.6	25.1

116 Omni Directional Antenna with 30' DA240 Cable 1169-24030

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.9	-1.1
Output Power plus Final Gain (dBm ERP)	23.1	22.9

117 Omni Directional Antenna with 50' DA340 Cable 1169-34050

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.9	-1.2
Output Power plus Final Gain (dBm ERP)	23.1	22.8

118 Omni Directional Antenna with 75' DA340 Cable 1169-34075

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2.4	-3.4
Output Power plus Final Gain (dBm ERP)	21.6	20.6

119 Omni Directional Antenna with 100' DA340 Cable 1169-340100

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.8	-5.7
Output Power plus Final Gain (dBm ERP)	20.2	18.3

120 Omni Directional Antenna with 150' DA440 Cable 1169-440150

Antenna Gain (dB)	2.8	4.3
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.7	-5.4
Output Power plus Final Gain (dBm ERP)	20.3	18.6



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

121 Directional Antenna with 30' DA240 Cable 437-24030

Antenna Gain (dB)	3.2	7.8
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	-0.5	2.4
Output Power plus Final Gain (dBm ERP)	23.5	26.4

122 Directional Antenna with 50' DA340 Cable 437-34050

Antenna Gain (dB)	3.2	7.8
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-0.5	2.3
Output Power plus Final Gain (dBm ERP)	23.5	26.3

123 Directional Antenna with 75' DA340 Cable 437-34075

Antenna Gain (dB)	3.2	7.8
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-2	0.1
Output Power plus Final Gain (dBm ERP)	22	24.1

124 Directional Antenna with 100' DA340 Cable 437-340100

Antenna Gain (dB)	3.2	7.8
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-3.4	-2.2
Output Power plus Final Gain (dBm ERP)	20.6	21.8

125 Directional Antenna with 150' DA440 Cable 437-440150

Antenna Gain (dB)	3.2	7.8
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-3.3	-1.9
Output Power plus Final Gain (dBm ERP)	20.7	22.1

126 Directional Antenna with 30' DA240 Cable 457-24030

Antenna Gain (dB)	7.3	7.5
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	3.6	2.1
Output Power plus Final Gain (dBm ERP)	27.6	26.1

127 Directional Antenna with 50' DA340 Cable 457-34050

Antenna Gain (dB)	7.3	7.5
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	3.6	2
Output Power plus Final Gain (dBm ERP)	27.6	26

128 Directional Antenna with 75' DA340 Cable 457-34075

Antenna Gain (dB)	7.3	7.5
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	2.1	-0.2
Output Power plus Final Gain (dBm ERP)	26.1	23.8



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

129 Directional Antenna with 100' DA340 Cable 457-340100

Antenna Gain (dB)	7.3	7.5
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	0.7	-2.5
Output Power plus Final Gain (dBm ERP)	24.7	21.5

130 Directional Antenna with 150' DA440 Cable 457-440150

Antenna Gain (dB)	7.3	7.5
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	0.8	-2.2
Output Power plus Final Gain (dBm ERP)	24.8	21.8

131 Directional Antenna with 30' DA240 Cable 426-24030

Antenna Gain (dB)	4.2	8.8
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	0.5	3.4
Output Power plus Final Gain (dBm ERP)	24.5	27.4

132 Directional Antenna with 50' DA340 Cable 426-34050

Antenna Gain (dB)	4.2	8.8
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	0.5	3.3
Output Power plus Final Gain (dBm ERP)	24.5	27.3

133 Directional Antenna with 75' DA340 Cable 426-34075

Antenna Gain (dB)	4.2	8.8
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-1	1.1
Output Power plus Final Gain (dBm ERP)	23	25.1

134 Directional Antenna with 100' DA340 Cable 426-340100

Antenna Gain (dB)	4.2	8.8
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-2.4	-1.2
Output Power plus Final Gain (dBm ERP)	21.6	22.8

135 Directional Antenna with 150' DA440 Cable 426-440150

Antenna Gain (dB)	4.2	8.8
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-2.3	-0.9
Output Power plus Final Gain (dBm ERP)	21.7	23.1

136 Directional Antenna with 50' DA340 Cable 408-34050

Antenna Gain (dB)	8.8	-5.2
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	5.1	-10.7
Output Power plus Final Gain (dBm ERP)	29.1	13.3



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

137 Directional Antenna with 75' DA340 Cable 408-34075

Antenna Gain (dB)	8.8	-5.2
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	3.6	-12.9
Output Power plus Final Gain (dBm ERP)	27.6	11.1

138 Directional Antenna with 100' DA340 Cable 408-340100

Antenna Gain (dB)	8.8	-5.2
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	2.2	-15.2
Output Power plus Final Gain (dBm ERP)	26.2	8.8

139 Directional Antenna with 150' DA440 Cable 408-440150

Antenna Gain (dB)	8.8	-5.2
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	2.3	-14.9
Output Power plus Final Gain (dBm ERP)	26.3	9.1

140 Directional Antenna with 50' DA340 Cable 492-34050

Antenna Gain (dB)	-9.7	10.8
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-13.4	5.3
Output Power plus Final Gain (dBm ERP)	10.6	29.3

141 Directional Antenna with 75' DA340 Cable 492-34075

Antenna Gain (dB)	-9.7	10.8
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-14.9	3.1
Output Power plus Final Gain (dBm ERP)	9.1	27.1

142 Directional Antenna with 100' DA340 Cable 492-340100

Antenna Gain (dB)	-9.7	10.8
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-16.3	0.8
Output Power plus Final Gain (dBm ERP)	7.7	24.8

143 Directional Antenna with 150' DA440 Cable 492-440150

Antenna Gain (dB)	-9.7	10.8
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-16.2	1.1
Output Power plus Final Gain (dBm ERP)	7.8	25.1

144 Directional Antenna with 50' DA340 Cable 419-34050

Antenna Gain (dB)	-8.4	10.5
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	-12.1	5
Output Power plus Final Gain (dBm ERP)	11.9	29



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

145 Directional Antenna with 75' DA340 Cable 419-34075

Antenna Gain (dB)	-8.4	10.5
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	-13.6	2.8
Output Power plus Final Gain (dBm ERP)	10.4	26.8

146 Directional Antenna with 100' DA340 Cable 419-340100

Antenna Gain (dB)	-8.4	10.5
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-15	0.5
Output Power plus Final Gain (dBm ERP)	9	24.5

147 Directional Antenna with 150' DA440 Cable 419-440150

Antenna Gain (dB)	-8.4	10.5
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-14.9	0.8
Output Power plus Final Gain (dBm ERP)	9.1	24.8

148 Directional Antenna with 30' DA240 Cable 489-24030

Antenna Gain (dB)	5.8	7.8
Coax Loss (dB)	-3.7	-5.4
Final Gain less loss (dB)	2.1	2.4
Output Power plus Final Gain (dBm ERP)	26.1	26.4

149 Directional Antenna with 50' DA340 Cable 489-34050

Antenna Gain (dB)	5.8	7.8
Coax Loss (dB)	-3.7	-5.5
Final Gain less loss (dB)	2.1	2.3
Output Power plus Final Gain (dBm ERP)	26.1	26.3

150 Directional Antenna with 75' DA340 Cable 489-34075

Antenna Gain (dB)	5.8	7.8
Coax Loss (dB)	-5.2	-7.7
Final Gain less loss (dB)	0.6	0.1
Output Power plus Final Gain (dBm ERP)	24.6	24.1

151 Directional Antenna with 100' DA340 Cable 489-340100

Antenna Gain (dB)	5.8	7.8
Coax Loss (dB)	-6.6	-10
Final Gain less loss (dB)	-0.8	-2.2
Output Power plus Final Gain (dBm ERP)	23.2	21.8

152 Directional Antenna with 150' DA440 Cable 489-440150

Antenna Gain (dB)	5.8	7.8
Coax Loss (dB)	-6.5	-9.7
Final Gain less loss (dB)	-0.7	-1.9
Output Power plus Final Gain (dBm ERP)	23.3	22.1



Fixed Outside Antenna Kit Options

FCC ID: PZODA4600

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

Uplink Frequency (MHz)	824-849	1850-1910
Uplink Output Power (dBm)	24	24

Amplifier Input Options:

Universal cell adapter DA97U

Antenna Gain less Cable Loss (dB)	-4.1	-7.75
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Universal cell cradle DM547

Antenna Gain less Cable Loss (dB)	-3.1	-6.2
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