

## Appendix D. Antenna List

## 1. Table for Filed Antenna

1	Brand name: WNC	Ant. Type	PIFA	PK Gain(dBi)	Main: 3.95 Aux.: 3.90
		Connector	IPEX	Model No.	DQ661500301
2	Brand name: WNC	Ant. Type	PIFA	PK Gain(dBi)	Main: 2.11 Aux.: 0.64
		Connector	IPEX	Model No.	DQ661500115
3	Brand name: wgt	Ant. Type	PIFA	PK Gain(dBi)	Main(L): 2.17 Aux.(R): 2.39
		Connector	IPEX	Model No.	AR830WIPI02A
4	Brand name: Wgt	Ant. Type	PIFA	PK Gain(dBi)	Main (L): 0.86 Aux. (R): 2.11
		Connector	IPEX	Model No.	Main: AR320WIPI01B Aux.: AR320WIP102B
5	Brand name: wgt	Ant. Type	PIFA	PK Gain(dBi)	Main (L): 2.48 Aux. (R): 1.63
		Connector	IPEX	Model No.	Main: ARW62WIP101G Aux.: ARW62WIP102G
6	Brand name: wgt	Ant. Type	PIFA	PK Gain(dBi)	Main (L): 2.41 Aux. (R): 2.07
		Connector	IPEX	Model No.	Main: ARUMPWIPI02+C Aux.: ARUMPWIPI01+D
7	Brand name: Gateway	Ant. Type	PIFA	PK Gain(dBi)	Main: -0.25 Aux.: 3.64
		Connector	IPEX	Model No.	Main: 021020168NC3587 Aux.: 021020168NC3587-1
8	Brand name: Gateway	Ant. Type	PIFA	PK Gain(dBi)	Main: -0.04 Aux.: 3.25
		Connector	IPEX	Model No.	Main: 021020168NC3586 Aux.: 021020168NC3586-1
09	Brand name: High-Tek	Ant. Type	PIFA	PK Gain(dBi)	Main: 2.86 Aux.: 1.52
		Connector	IPEX	Model No.	Main: AAFQ5050001LK0 Aux.: AAFQ5050001RK0
10	Brand name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	Main: 0.48 Aux.: 0.64
		Connector	IPEX	Model No.	Main: HFT40-IV17 Aux.: HMG03-IV17
11	Brand name: WNC	Ant. Type	PIFA	PK Gain(dBi)	Main: 0.34 Aux.: 0.79
		Connector	IPEX	Model No.	Main: 81.EE215.016.
12	Brand name: WNC	Ant. Type	PIFA	PK Gain(dBi)	Left: 1.34 Right: 1.25
		Connector	IPEX	Model No.	ASAW001

13	Brand name: Well Green	Ant. Type	PIFA	PK Gain(dBi)	Main: 0.03 Aux.: 0.63
		Connector	IPEX	Model No.	Main: B1425050G0003 Aux.: B1425050G0002
14	Brand name: tyco	Ant. Type	PIFA	PK Gain(dBi)	Right: 0.16 Left: 0.61
		Connector	IPEX	Model No.	ASAT001
15	Brand name: ACON	Ant. Type	PIFA	PK Gain(dBi)	Left: 1.56 Right: 1.36
		Connector	IPEX	Model No.	ASAA001
16	Brand name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	Main: 0.58 Aux.: 1.12
		Connector	IPEX	Model No.	HFT40-IV19W
17	Brand name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	Main: -1.65 Aux.: -0.92
		Connector	IPEX	Model No.	HFT60-QT05W
18	Brand name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	Main: 2.24 Aux.: 1.84
		Connector	IPEX	Model No.	HTL008-CP29NN
19	Brand name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	Main: 2.82 Aux.: 2.94
		Connector	IPEX	Model No.	HTL017-QT03NN
20	Brand name: WNC	Ant. Type	PIFA	PK Gain(dBi)	Main: -1.10 Aux.: 1.76
		Connector	IPEX	Model No.	Main: 81.EE215.002 Aux.: 81.EE215.001
21	Brand name: WNC	Ant. Type	PIFA	PK Gain(dBi)	Main: 1.18 Aux. 1.75
		Connector	IPEX	Model No.	WNC002 (81.EG645.001)
22	Brand name: tyco	Ant. Type	PIFA	PK Gain(dBi)	Main: 0.57 Aux.: 0.87
		Connector	IPEX	Model No.	TIAN01 (1747862-1)
23	Brand name: Tyco	Ant. Type	PIFA	PK Gain(dBi)	Main: 3.45 Aux: 2.41
		Connector	IPEX	Model No.	TBN001 (1909890-1)
24	Brand name: Tyco	Ant. Type	PIFA	PK Gain(dBi)	Main: -1.11 Aux.: -1.11
		Connector	IPEX	Model No.	TBN003 (1909881-1)
25	Brand name: Tyco	Ant. Type	PIFA	PK Gain(dBi)	TX 1 (Main): 2.95 TX 2 (Aux.): 1.90
		Connector	IPEX	Model No.	TX 1 (Main): 2023935-1 TX 2 (Aux.): 2023936-1

26	Brand Name: Tyco	Ant. Type	PIFA	PK Gain(dBi)	TX 1 (Main): 1.60 TX 2 (Aux.): 0.05
		Connector	IPEX	Model No.	2023937-1
27	Brand Name: Tyco	Ant. Type	PIFA	PK Gain(dBi)	TX 1 (Main): 1.41 TX 2 (Aux.): 1.24
		Connector	IPEX	Model No.	TX 1 (Main): 2023938-1 TX 2 (Aux.): 2023939-1
28	Brand Name: Tyco	Ant. Type	PIFA	PK Gain(dBi)	TX 1 (Main): 1.68 TX 2 (Aux.): 0.92
		Connector	IPEX	Model No.	TX 1 (Main): 2023954-1 TX 2 (Aux.): 2023955-1
29	Brand Name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	TX 1: 2.19 TX 2: -0.33
		Connector	IPEX	Model No.	HBY07
30	Brand Name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	TX 1: 2.91 TX 2: 2.82
		Connector	IPEX	Model No.	HBY051
31	Brand Name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	TX 1: 0.27 TX 2: 0.02
		Connector	IPEX	Model No.	HBY052
32	Brand Name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	TX 1: 1.30 TX 2: 2.42
		Connector	IPEX	Model No.	HBY061
33	Brand Name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	TX 1: -1.04 TX 2: -1.19
		Connector	IPEX	Model No.	HBY062
34	Brand Name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	TX 1: -1.74 TX 2: 1.16
		Connector	IPEX	Model No.	HFT65
35	Brand Name: Hitachi	Ant. Type	PIFA	PK Gain(dBi)	Main: 0.87 Aux.: 1.94
		Connector	IPEX	Model No.	HCT01
36	Brand Name: Tyco	Ant. Type	PIFA	PK Gain(dBi)	-1.11
		Connector	IPEX	Model No.	TBN005(2040170) & TBN006(2040171)
37	Brand Name: FOXCONN	Ant. Type	PIFA	PK Gain(dBi)	TX 1: -0.43 TX 2: -0.7
		Connector	IPEX	Model No.	WDAN-TQ
38	Brand name: Auden	Ant. Type	PIFA	PK Gain(dBi)	Main: -1.42 Aux.: -1.76
		Connector	IPEX	Model No.	ZM1
39	Brand name: FOXCONN	Ant. Type	PIFA	PK Gain(dBi)	Main: -1.86 Aux.: -1.49
		Connector	IPEX	Model No.	ZM1

40	Brand name: ACON	Ant. Type	PIFA	PK Gain(dBi)	Main: -1.18 Aux.: -0.93
		Connector	IPEX	Model No.	ZM1
41	Brand name: Yageo	Ant. Type	PIFA	PK Gain(dBi)	Main: -0.99 Aux.: -1.34
		Connector	IPEX	Model No.	ZM1
42	Brand name: Quanta	Ant. Type	PIFA	PK Gain(dBi)	Main: 1.31 Aux.: 0.09
		Connector	IPEX	Model No.	DQ652016100
43	Brand name: Quanta	Ant. Type	PIFA	PK Gain(dBi)	TX 1: -1.4 TX 2: -2.2
		Connector	IPEX	Model No.	TX 1: AN-090-B TX 2: AN-090-A
44	Brand name: Quanta	Ant. Type	PIFA	PK Gain(dBi)	TX 1 (Main): 1.13 TX 2 (Aux.): 0.74
		Connector	IPEX	Model No.	DQ652015800
45	Brand name: Quanta	Ant. Type	PIFA	PK Gain(dBi)	TX 1: 1.8 TX 2: 0.1
		Connector	IPEX	Model No.	ON1
46	Brand name: Wanshih	Ant. Type	PIFA	PK Gain(dBi)	2.05
		Connector	IPEX	Model No.	1415-00JL000
47	Brand name: Wanshih	Ant. Type	PIFA	PK Gain(dBi)	2.40
		Connector	IPEX	Model No.	1415-00JK000
48	Brand name: WNC	Ant. Type	PIFA	PK Gain(dBi)	Main: 2.31 Aux.: 1.50
		Connector	IPEX	Model No.	WNC004
49	Brand name: WNC	Ant. Type	PIFA	PK Gain(dBi)	Main: 0.52 Aux.: 1.07
		Connector	IPEX	Model No.	WNC003
50	Brand name: WNC	Ant. Type	PIFA	PK Gain(dBi)	Main: 1.19 Aux.: 0.28
		Connector	IPEX	Model No.	WNC001