

Kits For ZB570-V Based Models, Including MSCL and EIRP

limit=17dBm limit=30dBm
limit=17dBm limit=30dBm

		Donor Antenna		Cable			Output Power		Cable			Coverage Antenna		EIRP		MSCL Losses		MSCL
Model Number	Bands	Part Num	Gain (dBi)	Feet	Type	Loss (dB)	DL Pwr (dBm)	UL Pwr (dBm)	Feet	Type	Loss (dB)	Part Num	Gain (dBi)	DL (dBm)	UL (dBm)	path loss (dB)	Orthogonal (dB)	(dB)
ZB570-V "Trio Workspace"	LTE	CANT-0043	6	50	RG-6	2.5	4.7	20.1	0	n/a	0	CANT-0039	1	5.7	23.6	34	3	36
	Cellular		6			2.7	3.8	18.2			0		1	4.8	21.5	34	3	36
	PCS		8			4.3	4.3	19.1			0		1	5.3	22.8	37	3	39
ZB575-V "Trio SOHO"	LTE	CANT-0040	3	50	RG-6	2.5	4.7	19.5	0	n/a	0	CANT-0039	1	5.7	20.0	34	3	36
	Cellular		3			2.7	3.8	19.5			0		1	4.8	19.8	34	3	36
	PCS		5			4.3	4.3	17.5			0		1	5.3	18.2	37	3	39
ZB575X-V "SOHO xTreme"	LTE	CANT-0042	10	15&35	RG-6	4.0	4.7	19.5	0	n/a	0	CANT-0039	1	5.7	25.5	34	3	36
	Cellular		10			4.3	3.8	19.5			0		1	4.8	25.2	34	3	36
	PCS		12			6.9	4.3	17.5			0		1	5.3	22.6	37	3	39
ZBC775-V "Trio Pro"	LTE	CANT-0042	10	50	RG-6	2.5	4.7	19.5	15	RG-6	0.75	CANT-0045	8	12.0	27.0	40	3	36
	Cellular		10			2.7	3.8	19.5			0.81		8	11.0	26.8	40	3	36
	PCS		12			4.3	4.3	17.5			1.29		7.5	10.5	25.2	43	3	40

RG-6 COAXIAL CABLE LOSS

- 5.0 LTE cable loss at 100ft
- 5.4 Cellular cable loss at 100ft
- 8.6 PCS cable loss at 100ft

EIRP = Power transmitted - cable loss + donor antenna gain

MSCL = Cable loss - coverage antenna gain + path loss + orthogonal loss

Path loss = over the air loss for 1 meter for CANT-0034 antenna and 2 meters for YX027-F antenna

Orthogonal loss = Loss due to booster antenna being orthogonal and mobile device not matching

Antenna Technical Information

Image	Part#	Internal/ External	Frequency 1	Gain 1	Beamwidth 1	Frequency 2	Gain 2	Beamwidth 2	Polarizatio n	Connector	VSWR
	CANT-0043	external	704-894 MHz	5.7 dBi	75.8 degrees	1710-2155MHz	7.2dBi	54.4 degrees	Vertical	Type F -female	1.9:1 max, 1.4:1 Average
	CANT-0045	internal	704-894 MHz	8dBi	80 degrees	1710-2155MHz	7.5dBi	66 degrees	Vertical	Type F -female	1.9:1 max, 1.4:1 Average
	CANT-0040	external	704-894 MHz	3dBi	360 degrees	1710-2155	5dBi	360 degrees	vertical	Type F-female	<=3.5 : 1
	CANT-0039	internal	704-894 MHz	1dBi	360 degrees	1710-2155 MHz	1 dBi	360 degrees	vertical	TNC male	<= 3.3 : 1
	CANT-0042	external	698-960 MHz	10dBi	50 degrees	1710-2700 MHz	12dBi	45 degrees	Vertical	Type F-female	<= 1.3 : 1
	YX052	internal	700-2500 MHz	1-2dBi	360 degrees			360 degrees	Vertical	Type F-female	

ZB570-V Kit Information

Model Number	Bands	Donor Antenna	Cable	
		Part Num	Feet	Type
ZB570-V	LTE	CANT-0043	50	RG-6
	Cellular			
	PCS			

Donor Antenna Accessories

LTE	CANT-0040	50	RG-6
Cellular			
PCS			
LTE	CANT-0042	50	RG-6
Cellular			
PCS			
LTE	CANT-0043	50	RG-6
Cellular			
PCS			

Coverage Antenna Accessories

LTE	CANT-0043	50	RG-6
Cellular			
PCS			
LTE	CANT-0043	50	RG-6
Cellular			
PCS			
LTE	CANT-0043	50	RG-6
Cellular			
PCS			

Coaxial Cable Accessories - all cables reduce the EIRP

Cable			Coverage Antenna	
Feet	Type	Loss (dB)	Part Num	Gain (dBi)
0	n/a	0	CANT-0039	1
		0		1
		0		1

0	n/a	0	CANT-0039	1
		0		1
		0		1
0	n/a	0	CANT-0039	1
		0		1
		0		1
0	n/a	0	CANT-0039	1
		0		1
		0		1

0	n/a	0	CANT-0039	1
		0		1
		0		1
15	RG-6	0.75	CANT-0045	8
		0.81		8
		1.29		7.5
15	RG-6	0.75	YX-052	1
		0.81		1
		1.29		2

MSCL Losses	
path loss	Orthogonal
34	3
34	3
37	3

MSCL (dB)
36
36
39

34	3
34	3
37	3
40	3
40	3
43	3
40	3
40	3
43	3

36
36
39
36
36
40
43
43
45

ZB575-V Kit Information

Model Number	Bands	Donor Antenna	Cable	
		Part Num	Feet	Type
ZB575-V	LTE	CANT-0040	50	RG-6
	Cellular			
	PCS			

Cable			Coverage Antenna	
Feet	Type	Loss (dB)	Part Num	Gain (dBi)
0	n/a	0	CANT-0039	1
		0		1
		0		1

MSCL Losses	
path loss	Orthogonal
34	3
34	3
37	3

MSCL (dB)
36
36
39

Donor Antenna Accessories

LTE	CANT-0040	50	RG-6
Cellular			
PCS			
LTE	CANT-0042	50	RG-6
Cellular			
PCS			
LTE	CANT-0043	50	RG-6
Cellular			
PCS			

0	n/a	0	CANT-0039	1
		0		1
		0		1
0	n/a	0	CANT-0039	1
		0		1
		0		1
0	n/a	0	CANT-0039	1
		0		1
		0		1

Coverage Antenna Accessories

LTE	CANT-0040	50	RG-6
Cellular			
PCS			
LTE	CANT-0040	50	RG-6
Cellular			
PCS			
LTE	CANT-0040	50	RG-6
Cellular			
PCS			

0	n/a	0	CANT-0039	1
		0		1
		0		1
15	RG-6	0.75	CANT-0045	8
		0.81		8
		1.29		7.5
15	RG-6	0.75	YX-052	1
		0.81		1
		1.29		2

34	3
34	3
37	3
40	3
40	3
43	3
40	3
40	3
43	3

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36
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36
36
40
43
43
45

Coaxial Cable Accessories - all cables reduce the EIRP

ZB575X-V Kit Information

Model Number	Bands	Donor Antenna	Cable	
		Part Num	Feet	Type
ZB575X-V	LTE	CANT-0042	15&35	RG-6
	Cellular			
	PCS			

Cable			Coverage Antenna	
Feet	Type	Loss (dB)	Part Num	Gain (dBi)
0	n/a	0	CANT-0039	1
		0		1
		0		1

MSCL Losses	
path loss	Orthogonal
34	3
34	3
37	3

MSCL (dB)
36
36
39

Donor Antenna Accessories

LTE	CANT-0040	15&35	RG-6
Cellular			
PCS			
LTE	CANT-0042	15&35	RG-6
Cellular			
PCS			
LTE	CANT-0043	15&35	RG-6
Cellular			
PCS			

0	n/a	0	CANT-0039	1
		0		1
		0		1
0	n/a	0	CANT-0039	1
		0		1
		0		1
0	n/a	0	CANT-0039	1
		0		1
		0		1

Coverage Antenna Accessories

LTE	CANT-0042	15&35	RG-6
Cellular			
PCS			
LTE	CANT-0042	15&35	RG-6
Cellular			
PCS			
LTE	CANT-0042	15&35	RG-6
Cellular			
PCS			

0	n/a	0	CANT-0039	1
		0		1
		0		1
15	RG-6	0.75	CANT-0045	8
		0.81		8
		1.29		7.5
15	RG-6	0.75	YX-052	1
		0.81		1
		1.29		2

34	3
34	3
37	3
40	3
40	3
43	3
40	3
40	3
43	3

36
36
39
36
36
40
43
43
45

Coaxial Cable Accessories - all cables reduce the EIRP

ZBC775-V Kit Information

Model Number	Bands	Donor Antenna	Cable	
		Part Num	Feet	Type
ZBC775-V	LTE	CANT-0042	50	RG-6
	Cellular			
	PCS			

Cable			Coverage Antenna	
Feet	Type	Loss (dB)	Part Num	Gain (dBi)
15	RG-6	0.75	CANT-0045	8
		0.81		8
		1.29		7.5

MSCL Losses	
path loss	Orthogonal
40	3
40	3
43	3

MSCL (dB)
36
36
40

Donor Antenna Accessories

LTE	CANT-0040	50	RG-6
Cellular			
PCS			
LTE	CANT-0042	50	RG-6
Cellular			
PCS			
LTE	CANT-0043	50	RG-6
Cellular			
PCS			

0	n/a	0	CANT-0039	1
		0		1
		0		1
0	n/a	0	CANT-0039	1
		0		1
		0		1
0	n/a	0	CANT-0039	1
		0		1
		0		1

Coverage Antenna Accessories

LTE	CANT-0042	50	RG-6
Cellular			
PCS			
LTE	CANT-0042	50	RG-6
Cellular			
PCS			
LTE	CANT-0042	50	RG-6
Cellular			
PCS			

0	n/a	0	CANT-0039	1
		0		1
		0		1
15	RG-6	0.75	CANT-0045	8
		0.81		8
		1.29		7.5
15	RG-6	0.75	YX-052	1
		0.81		1
		1.29		2

34	3
34	3
37	3
40	3
40	3
43	3
40	3
40	3
40	3
43	3

36
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39
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Coaxial Cable Accessories - all cables reduce the EIRP