

Kits For ZB570-A 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-A "Trio Connect"	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-A "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-A "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	
ZB585X-A "Trio Xtreme Reach"	LTE	CANT-0042	10	50	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-A "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