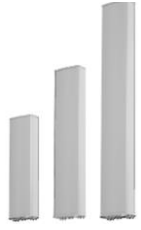
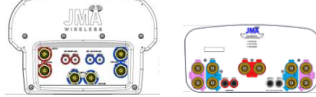


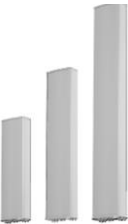
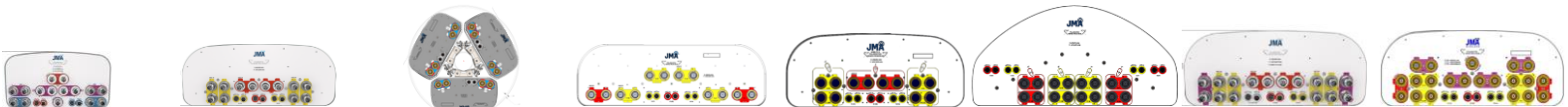
MTCE Approved Macro <= 10 Port Product Models (34)



40° FRO (7 Models)		45° FIT (7 Models)		60° FRO (13 Models)			65° FIT (10 Models)			65° FHG (4 Models)	
											
40° HBW		45° HBW		60° HBW			65° HBW				
LB+MB	+3.5GHz	LB+MB	+3.5GHz	LB+MB	+3.5GHz		LB+MB		LB+MB +3.5GHz	LB+MB	+3.5GHz
Urban-Suburban (4 sector and other)		Urban-Suburban (4 sector and other)		Urban-Suburban (Interference Limited)			Multi-Purpose Rural - Suburban - Urban			High Gain Suburban - Rural	
Hexport	10-Port	Hexport	10-Port	Hexport (LB Dual Tilt)	Hexport	10-Port	Hexport (LB Dual Tilt)	Hexport	10-Port	Hexport -HG Model	10-Port
2	2	2	2	2	2	2	2	2	2	2	2
4	4	4	4	4	4	4	4	4	4	4	4
-	4	-	4	-	-	4	-	-	4	-	4
MX06FRO440-02	MX10FRO440-xx	MX06FIT445-02	MX10FIT445-xx		MX06FRO460-02E			MX06FIT465-02E	MX10FIT465-xx		
MX06FRO640-02	MX10FRO640-xx	MX06FIT645-02	MX10FIT645-xx	MX06FRO660-03	MX06FRO660-02E	MX10FRO660-xx		MX06FIT665-02E	MX10FIT665-xx	MX06FHG665-HG	MX10FHG665-HG
MX06FRO840-02	MX10FRO840-xx MX10FRO840-Bxx (Wide CBRS VBW)	MX06FIT845-02	MX10FIT845-xx MX10FIT845-Bxx (Wide CBRS VBW)	MX06FRO860-03	MX06FRO860-02E	MX10FRO860-xx MX10FRO860-Bxx (Wide CBRS VBW)	MX06FIT865-03E	MX06FIT865-02E	MX10FIT865-xx MX10FIT865-Bxx (Wide CBRS VBW)	MX06FHG865-HG	MX10FHG865-HG

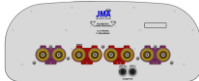
Bold indicates products currently in Pooling

MTCE Approved > 10 Port Macro Product Models (30)

	45° HBW FRO			60° HBW FRO	65° HBW (FIT/FRO/FHG)							
												
Antenna Type	Hexport Based	Single Antenna Solution		Hexport Based		Single Antenna Solution						
Application	Urban-Suburban (4 sector and other)			Urban-Suburban (Interference Limited)	Multi-Purpose Rural/Suburban /Urban		Site Constraints (Flagpole)	Suburban/Rural High Gain	High Mid Band Capacity	High Low Band and High Mid Band Capacity	Multi-Purpose Rural/Suburban /Urban	+ C-Band Beamforming
Features	+ C-Band	Dual Hexport	Dual Hexport + CBRS	+ C-Band		Dual Hexport	+ C-Band (Flagpole)	Dual High Gain Hexport	Split Mid Band	Split Low and Mid Band	Dual Hexport + CBRS	Dual Hexport + 3.5GHz Beamforming
Total Ports	14	12	16	14	14	12	4 (10-Port Capable)	12	12	16	16	20
Ports (698-894)	2	4	4	2	2	4	2	4	4	8	4	4
Ports (1695-2200)	4	8	8	4	4	8	4	8	8	8	8	8
Ports (3400-4200)	8 (Beamforming)	-	4 (3400-3980)	8 (Beamforming)	8 (Beamforming)	-	4	-	-	-	4 (3400-3980)	8 (Beamforming)
4 ‘ Model (9 Models)	MX14FRO445-01	MX12FRO445-01	MX16FRO445-xx	MX14FRO460-01	MX14FIT465-01	MX12FIT465-01	MX04FFP465-01	-	-	-	MX16FIT465-xx	MX20FRO465-01
6’ Model (9 Models)	MX14FRO645-01	MX12FRO645-01	MX16FRO645-xx	MX14FRO660-01	MX14FIT665-01	MX12FIT665-01	MX04FFP665-01	-	-	-	MX16FIT665-xx	MX20FRO665-01
8’ Model (11 Models)	MX14FRO845-01	MX12FRO845-01	MX16FRO845-Bxx	MX14FRO860-01	MX14FIT865-01	MX12FIT865-01	MX04FFP865-01	MX12FHG865-01	MX12FSS865-01	MX16FSS833-01	MX16FIT865-Bxx	MX20FRO865-01

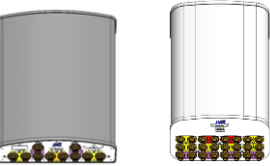
Bold indicates products currently in Pooling

MTCE Approved Antennas to Complement AWS/PCS FD-MIMO

	Solutions to Complement Mid Band FD-MIMO									
										
Product Family	FRO		FRO		FHG		FIT			
HBW	45°		60°		65°					
Bands	Low Band		Low Band + 3.5GHz		Low Band + 3.5GHz		Low Band (Independent Tilts for 700/850)	Low Band + 3.5GHz		
Ports (698-894 MHz)	4	4	4	4	4	4	4	4	4	
Ports (3400-4200 MHz)	-	-	4	4	4	4	-	4	4	
Length	6'	8'	6'	8'	6'	8'	8'	6'	8'	
VBW (LB/3.5)	11.0° / -	8.5° / -	11.0° / 19.0°	8.5° / 19.0°	11.0° / 19.0°	8.5° / 19.0°	8.9° / -	11.0° / 19.0°	8.5° / 19.0°	
Gain dBi (LB/3.5)	16.2 / -	17.0 / -	15.0 / 13.9	16.7 / 13.9	15.5 / 14.2	17.2 / 14.2	16.5 / -	15.0 / 14.2	16.3 / 14.2	
L x W x D (in)	72 x 20 x 8	96 x 20 x 8	72 x 20 x 8	96 x 20 x 8	72 x 20 x 8	96 x 20 x 8	96 x 20 x 8	72 x 20 x 8	96 x 20 x 8	
Weight (lbs)	28	48	39	60	39	60	140	39	60	
Model	MX04FRO645-02E	MX04FRO845-02E	MX08FRO660-02E	MX08FRO860-B02E	MX08FHG665-HG	MX08FHG865-BHG	MX04FIT865-03E	MX08FIT665-02E	MX08FIT865-B02E	

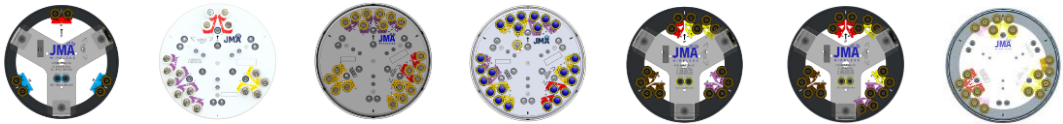
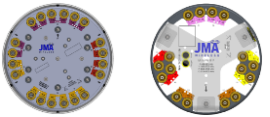
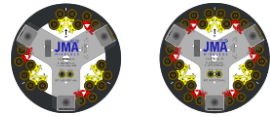
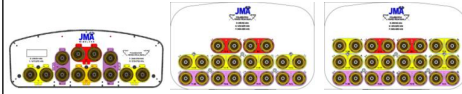
As of 4-16-25

MTCE Approved < 4' Compact Panel Antennas (8)

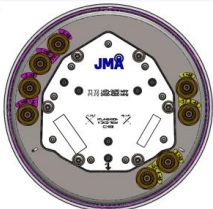
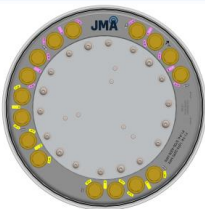
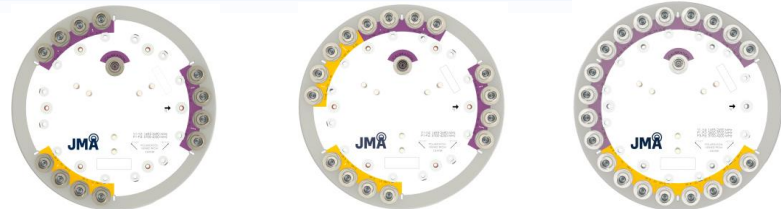
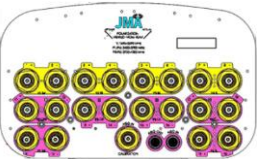


	45° FIT	60° FRO		65° FRO			65° FIT	
HBW	45° HBW	60° HBW		65° HBW				
Bands	CBRS	MB + CBRS + LAA	LB + MB + CBRS + LAA	MB + C-Band + CBRS	LB + MB + C-Band & CBRS	LB + MB + C-Band & CBRS	CBRS	C-Band
Dimensions (inches) (H x W x D)	32.7 x 11.6 x 4.5	24 x 15 x 3.8	24 x 15 x 5.25	30 x 14.2 x 8.5	24 x 14.2 x 8.5		32.7 x 11.6 x 4.5	
Ports / Model	4-Port	10-Port	12-Port	20-Port	20-Port	24-Port	4-Port	8-Port
Low Band Ports (698-894)	-	-	2	-	4	4	-	-
Mid Band Ports (1695-2200)	-	4	4	8	8	12	-	-
3.5GHz Ports (C-Band / CBRS)	- / 4	- / 4	- / 4	4 / 8	8	8	- / 4	8 / -
LAA Ports	-	2	2	-	-	-	-	-
2' Model		DX10FRO260-00-06	DX12FRO260-20-26	DX20FRO265-01	DX20FRO265-04	DX24FRO265-04		MX08FIT265-01
3' Model	MX04FIT345-01						MX04FIT365-01	

Verizon Approved Small Cell Antennas with Low Band (20 Models)

														
Pattern	Clover							Peanut, Heart, Sector		Tri-Sector		Sector		
700/850 Ports	2	4	4	4	2	4	4	4	4	6	12	2	4	4
AWS/PCS/BRS Ports	4	4	8	12	4	4	8	8	4	12	12	4	8	12
CBRS / C-Band Ports	-	8	8	8	4 / -	4	4	8	4 / -	-	-	4	8	8
LAA Ports	-	-	-	-	4	4	2	-	4	-	-	2	-	-
Total Ports	6	16	20	24	14	16	18	20	16	18	24	12	20	24
Model	Clover CX06OMI436-xC	Clover CX16OMI236-2Cx	Clover CX20OMI236-3Cxy	3X65° Mid-Band CX24HYB236-1C	Clover CX14OMI236-1C	4 3.5GHz + 4 LAA CX16OMI236-1C	Clover CX18OMI236-1Cxy	Peanut CX20OMI218-3Pxy	Peanut CX16OMI218-1P	Clover CX18TRI265-5T	Clover CX24TRI265-5T	Sector DX12FRO260-20-26	Sector DX20FRO265-04	Sector DX24FRO265-04
Max Gain (Low / Mid) (CBRS / C-Band / LAA)	(8.5 / 12.5 dBi) (- / - / - dBi)	(3.6 / 11.0dBi) (8.9 / 9.3 / - dBi)	(2.8 / 8.4dBi) (8.4 / 8.4 / - dBi)	(4.2 / 15.5dBi) (9.3 / 9.3 / - dBi)	(5.2 / 10.1dBi) (5.0 / - / 5.7 dBi)	(3.5 / 10.1dBi) (5.0 / 5.0 / - dBi)	(3.4 / 8.6dBi) (5.4 / 5.5 / 4.6dBi)	(4.0 / 10.0dBi) (9.6 / 9.6 / - dBi)	(3.8 / 10.4dBi) (5.5 / - / 5.5dBi)	(8.9 / 15.1dBi) (- / - / - dBi)	(6.1 / 15.2dBi) (- / - / - dBi)	(10.5 / 14.2dBi) (14.8 / 14.8 / 5dBi)	(7.4 / 12.4dBi) (14.0 / 13.7 / - dBi)	(7.4 / 11.7dBi) (14.0 / 13.7 / - dBi)
Dimensions (H x D)	48" x 14.0"	24" x 14.6"	24" x 14.6"	24" x 14.6"	35.4" x 14"	35.4" x 14"	24" x 14.6"	24" x 14.6"	35.4" x 14"	29.4" x 14"	29.4" x 14"	24" x 15" x 5.25"	24" x 14.2" x 8.5"	24" x 14.2" x 8.5"
Variant 1			62" High Gain CX20OMI536-1C					Heart CX20OMI224-3Hxy	Heart CX16OMI224-1H					
Max Gain (Low / Mid) (CBRS / C-Band / LAA)			(9.5 / 11.7dBi) (11.8 / 11.8 / - dBi)					(5.0 / 10.0dBi) (9.8 / 9.8 / - dBi)	(3.9 / 10.8dBi) (6.1 / - / 4.2dBi)					
Dimensions (H x D)			61.5" x 14.6"					24" x 14.6"	35.4" x 14"					
Variant 2								Sector CX20OMI265-3Sxy						
Max Gain (Low / Mid) (CBRS / C-Band / LAA)								(7.8 / 13.3dBi) (13.8 / 13.8 / - dBi)						
Dimensions (H x D)								24" x 14.6"						

Verizon Approved Small Cell Antennas (No Low Band)

							
Pattern	MB 2x65° @ 120°/240° 3.5Ghz Heart		Clover			Sector	
AWS/PCS/BRS Ports	4	8	4	8	8	8	4
CBRS / C-Band Ports	4	8	- / 8	- / 8	4 / 8	4 / 8	4
LAA Ports	-	-	-	-	-	-	2
Total Ports	8	16	12	16	20	20	10
Model	Hybrid Sectors CX08HYB224-1H	Clover CYL2Q16R-2xy	Clover (BF) CX12OMI236-BFx	Clover (BF) CX16OMI236-BFxy	Clover (BF) CX20OMI236-1Cxy	Sector (BF) DX20FRO265-01	Sector DX10FRO260-00-06
Max Gain (AWS/PCS/BRS) (CBRS / C-Band / LAA)	(12.9dBi) (10.3 / 11 / - dBi)	(10.2dBi) (9.1 / 9.8 / - dBi)	(10.5dBi) (- / 14.4 / - dBi)	(8.2dBi) (- / 14.4 / - dBi)	(8.2dBi) (7.6 / 14.4 / - dBi)	(11.5dBi) (13.0 / 21.6 / - dBi)	(14.3dBi) (15.5 / 15.5 / 5.5dBi)
Dimensions (H x D)	24" x 7.8"	24" x 14.6"	24" x 14.6"	24" x 14.6"	29.8" x 14.6"	30" x 14.2" x 8.5"	24" x 15" x 3.75"
Variant 1		Narrow Diameter CX16OMI236-3xy	Beamforming				
Max Gain (Low / Mid) (CBRS / C-Band / LAA)		(8.1dBi) (8.7 / 9.3dBi)					
Dimensions (H x D)		24" x 11.8"					

2025 Pooled antennas (25)

Ports	HBW	Link to datasheet
Hexport	40°	MX06FRO640-02
		MX06FRO840-02
	45°	MX06FIT445-02
		MX06FIT645-02
		MX06FIT845-02
	60°	MX06FRO460-02E
		MX06FRO660-02E
		MX06FRO860-02E
		MX06FRO660-03
		MX06FRO860-03
	65°	MX06FIT465-02E
		MX06FIT665-02E
		MX06FIT865-02E
		MX06FHG665-HG
		MX06FHG865-HG
10 Port	40°	MX10FRO640-xx
		MX10FRO840-xx
	60°	MX10FRO660-xx
		MX10FRO860-xx
	65°	MX10FIT665-xx
		MX10FIT865-xx

- ‘-02E’ Enhanced models now in pooling and replace EOL ‘-2’ models
- Some 4’ models removed from pooling
- MX08FIT265-01 removed from pooling

As of 1-1-25