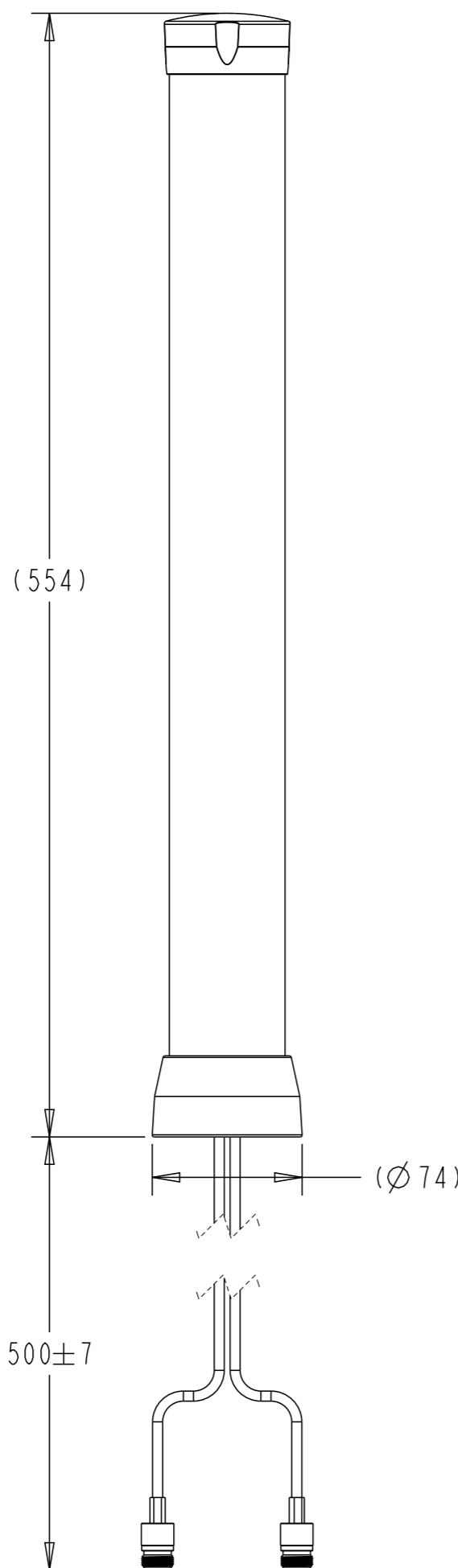


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	ECN-23-199917	23FEB2023	CYH	WTN
	A2	ECN-23-222705	18JUL2023	CYH	WTN



Parameter	Performance			
Part Number	OPD61603-50NF			
TCPN	L000320-03			
Frequency Bands, MHz	617-960	1427-2700	3300-4800	4900-6000
Peak Gain, dBi (Max)	3	5	4.09	4.62
Total Efficiency (Average)	78%	77%	63%	60%
VSWR (Average)*	<2.5:1			
ECC**	<0.1			
Nominal Impedance	50 Ohm			
Polarization	Linear, Vertical			
Azimuth Beam Width	360°, Omnidirectional			
Input Power, Max	10W			
Operating Temperature	-40°C ~ +85°C			
Storage Temperature	-40°C ~ +85°C			
Weight (Without mounting)	512g			
RF Connector	N-Type, Female			
Radome	Polycarbonate, UV			
Cap & Base	ASA, UV			
Color	White			
Cable	LMR195 equivalent Black			
Cable Length	0.5m			
Wind Rating (Survival)	110mph			
Ingression Protection	IP67			
Material Compliance	RoHS			

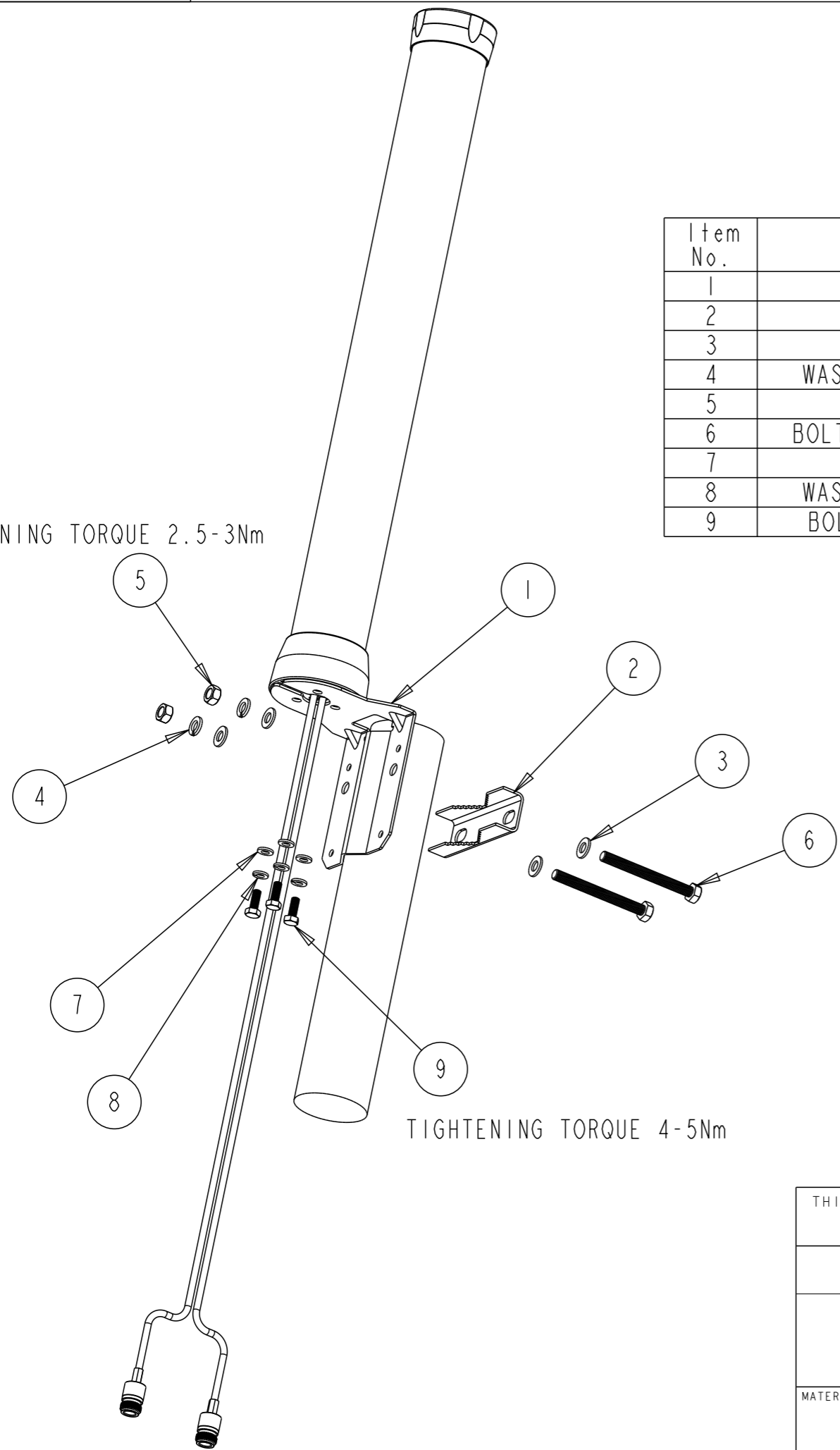
*Note: VSWR data is measured with the antenna installed on the mounting bracket
 **Note: Simulation data

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN CY HANG	23FEB2023	STE TE Connectivity	
DIMENSIONS: mm		CHK WT NG	23-FEB-2023		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD WT NG	23-FEB-2023	NAME OMNI, 2x2 MIMO BATON	
0 PLC ±-		PRODUCT SPEC	108-160799	617-960/1427-6000MHZ	
1 PLC ±0.25		APPLICATION SPEC	-	SIZE	CAGE CODE
2 PLC ±0.13		WEIGHT	-	A3	00779
3 PLC ±		CUSTOMER DRAWING	-	DRAWING NO C=L000320-03	
4 PLC ±		SCALE	1:10	RESTRICTED TO	
ANGLES ±		SHEET	1 OF 3	-	
FINISH		REV	A2		

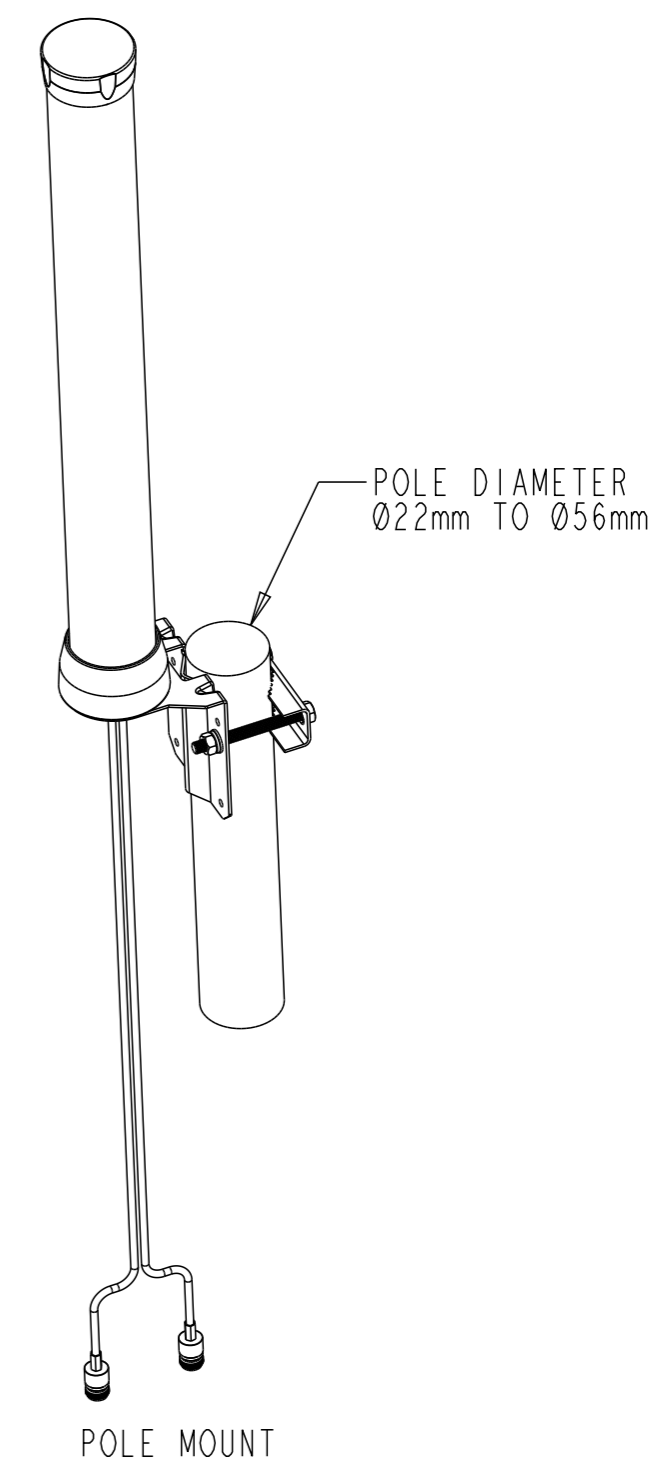
P	LTR	DESCRIPTION	DATE	DWN	APVD

Item No.	DESCRIPTION	QUANTITY
1	MOUNT BRACKET	1
2	POLE CLAMP	1
3	WASHER, FLAT M8	4
4	WASHER, SPLIT LOCK M8	2
5	NUT, HEX M8x1.25	2
6	BOLT, HEX M8x1.25x80mm	2
7	WASHER, FLAT M6	3
8	WASHER, SPLIT LOCK M6	3
9	BOLT, HEX M6x1x16mm	3

TIGHTENING TORQUE 2.5-3Nm



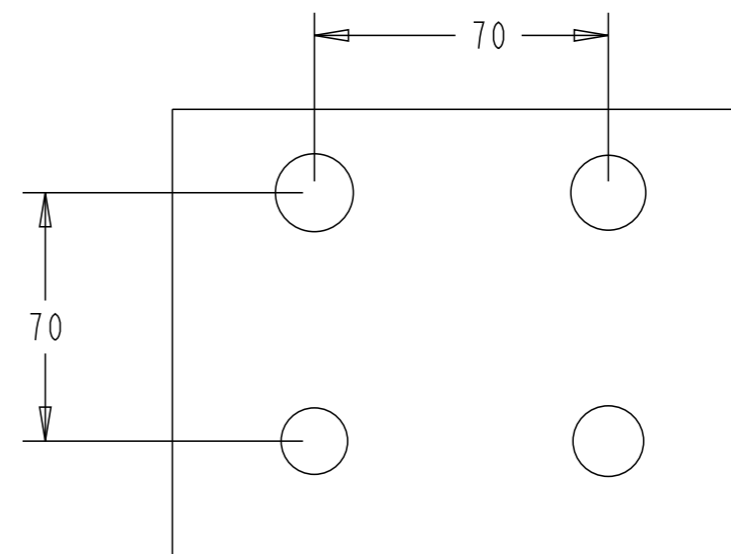
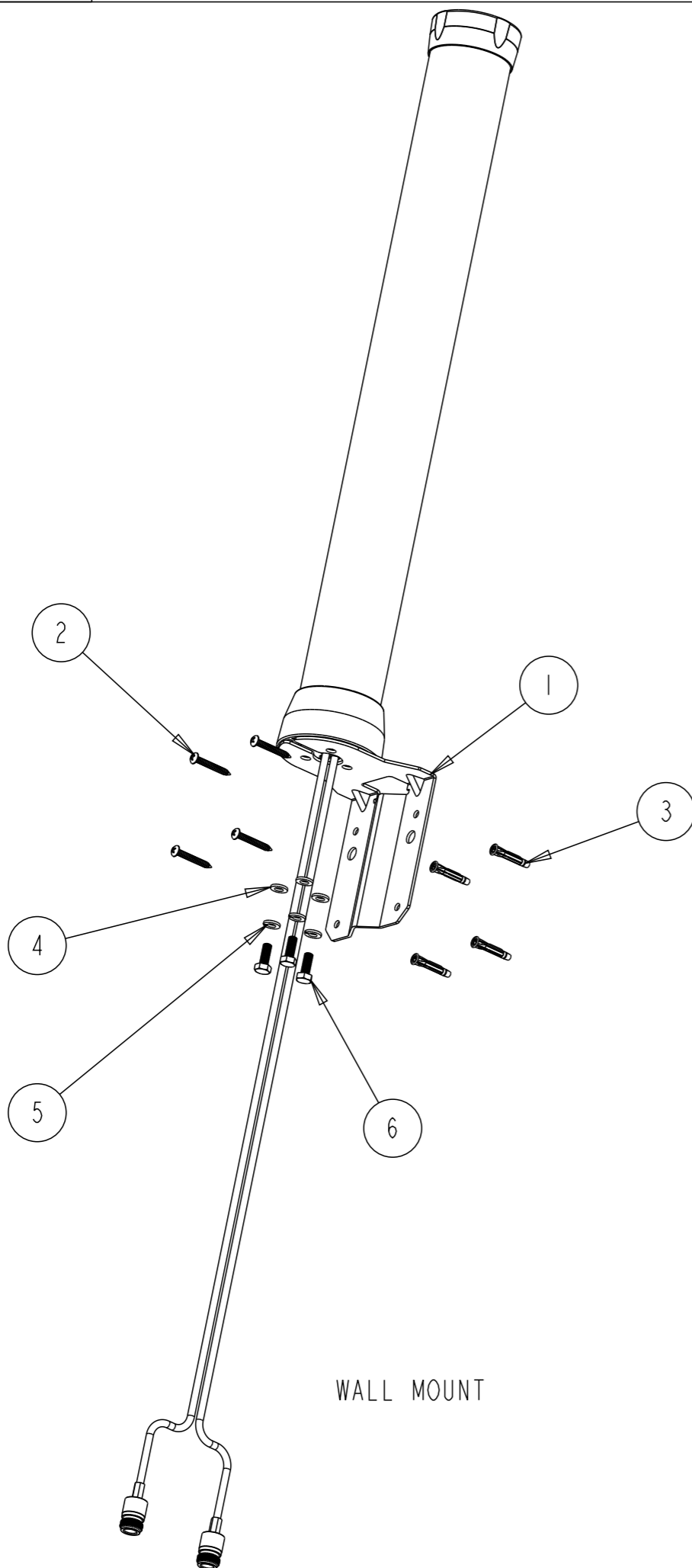
TIGHTENING TORQUE 4-5Nm



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN CY HANG	23FEB2023	TE Connectivity	
DIMENSIONS: mm		CHK WT NG	23-FEB-2023		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD WT NG	23-FEB-2023	NAME OMNI, 2x2 MIMO BATON 617-960/1427-6000MHZ	
0 PLC ±-		PRODUCT SPEC	108-160799	SIZE	
1 PLC ±0.25		APPLICATION SPEC	-	CAGE CODE	DRAWING NO
2 PLC ±0.13		WEIGHT	-	A3	00779
3 PLC ±		CUSTOMER DRAWING	-	C=L000320-03	
4 PLC ±		SCALE	1:10	SHEET	2 OF 3
ANGLES ±		RESTRICTED TO	-	REV	
FINISH				A2	

P	LTR	DESCRIPTION	DATE	DWN	APVD

Item No.	DESCRIPTION	QUANTITY
1	MOUNT BRACKET	1
2	SCREW, PHILIP 8-18x1-1/4	4
3	ANCHOR, TWIST ACTION 6-8x1-1/4	4
4	WASHER, FLAT M6	3
5	WASHER, SPLIT LOCK M6	3
6	BOLT, HEX M6x1x16mm	3



WALL HOLE DIMENSION

WALL MOUNT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN CY HANG 23FEB2023		
DIMENSIONS: mm		CHK WT NG 23-FEB-2023		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD WT NG 23-FEB-2023	NAME OMNI, 2x2 MIMO BATON 617-960/1427-6000MHZ	
0 PLC ±-		PRODUCT SPEC 108-160799	RESTRICTED TO	
1 PLC ±0.25		APPLICATION SPEC -	SIZE A3	CAGE CODE 00779
2 PLC ±0.13		WEIGHT -	DRAWING NO C=L000320-03	SCALE 1:10
3 PLC ±		CUSTOMER DRAWING	SHEET 3 OF 3	REV A2
4 PLC ±				
ANGLES ±0.5				
MATERIAL				
FINISH				