

# newera systems

Model #	MT 3200	MCL 400W TWT	13.75 to 14.5 GHz
S/N	1341		
Helix Current	No O/P Power	1/2 power	Full Power
	2.1mA	2.7mA	3.6mA

Testing Notes	<p>Gain Setting at 50%</p> <p>Power Readings are at the flange (dBm)</p> <p>Jumper must be installed on J3 &amp; J4 (Jumpers provided)</p> <p>No Jumper required on J2</p> <p>3rd Order Intermod Check - 30dBc @ 7dB Back off</p> <p>Output Power Spec = 360W</p>
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5/19/2017 Engineer

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Input Level	13.75GHz		14.125GHz		14.5GHz	
	Measured Power	Meter Reading	Measured Power	Meter Reading	Measured Power	Meter Reading
-15	45.75	46.1	44.94	45.5	42.6	43.9
-13	47.71	48.1	46.84	47.6	44.57	45.9
-11	49.54	49.8	48.75	49.4	46.53	47.8
-9	51.64	51.9	50.84	51.5	48.62	50
-7	53.05	53.3	52.44	53.1	50.28	51.8
-6	53.64	53.8	53.13	53.7	51.34	52.6
-5	54.14	54.3	53.72	54.3	52.14	53.4
-4	54.55	54.7	54.24	54.8	52.87	54.1
-3	54.86	55	54.64	55.2	53.5	54.7
-2	55.09	55.3	54.94	55.5	54	55.3
-1	55.24	55.4	55.16	55.7	54.47	55.7
0	55.32	55.5	55.3	55.8	54.8	56
					55	56.2
<b>SATURATION</b>	<b>340W</b>		<b>340W</b>		<b>316W</b>	