

DIOPLE ANTENNA

Indoor Antenna

Features

- ✓ Sing-band Frequency
- ✓ 2dBi High Gain Performance
- ✓ Low VSWR

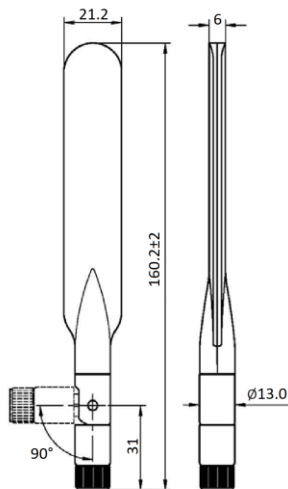


Specifications:

PART NUMBER	MANT-2400.7150.D1	
DESCRIPTION	LTE 4G/5G Antenna 617-960/1452-1575/1710-2690/3300-4200/4400-5000/5150-7150 2dBi, SMA Male	
	ELECTRICAL	MECAHNICAL
	<p>FREQUENCY: 617-7150MHz</p> <p>VSWR: ≤3.5 TYP. @ 617 ~ 960 MHz</p> <p>≤3.0 TYP. @ 1710 ~ 2690 MHz</p> <p>≤3.0 TYP. @ 1452 ~ 1575.412 MHz</p> <p>≤3.0 TYP. @ 3300 ~ 4200 MHz</p> <p>≤3.0 TYP. @ 4400 ~ 5000 MHz</p> <p>≤3.0 TYP. @ 5150 ~ 7150 MHz</p> <p>GAIN: 2dBi TYP.</p> <p>POLARIZATION: Vertical</p> <p>RADIATION: Omni</p> <p>WAVE LENGTH, TYPE: Microstrip</p>	<p>RADOME MATERIAL: PC</p> <p>CONNECTOR: SMA Male</p> <p>DIMENSION: 160.2mm±2mm</p> <p>OPERATING TEMP: -20°C~+65°C</p> <p>STORAGE TEMP: -30°C~+70°C</p>

Tolerance: X= ±1, X.X= ±0.5, X.XX=: ±0.25

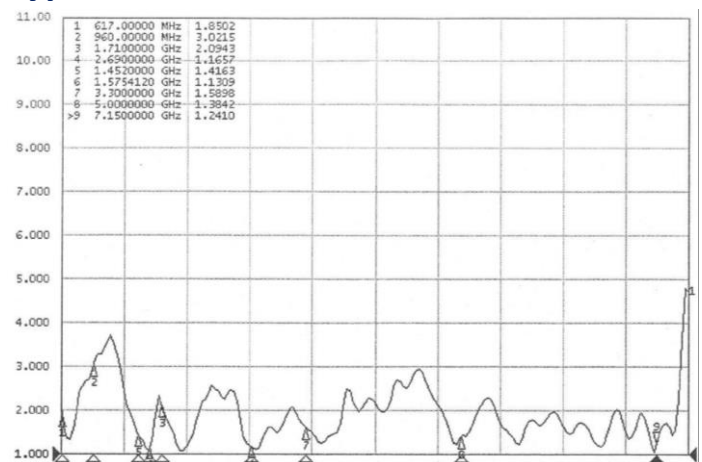
Outline Drawing (mm):



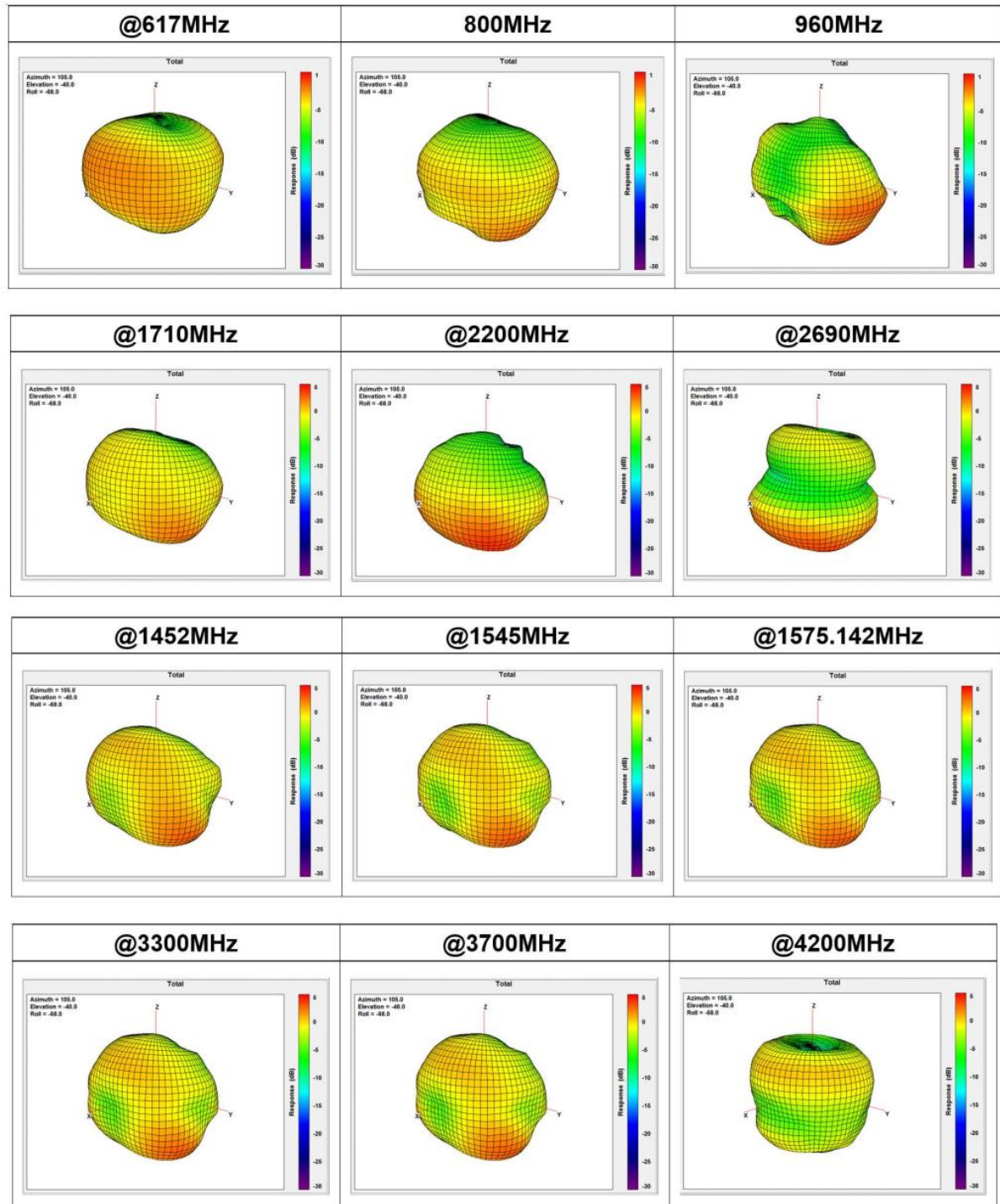
NOTES:

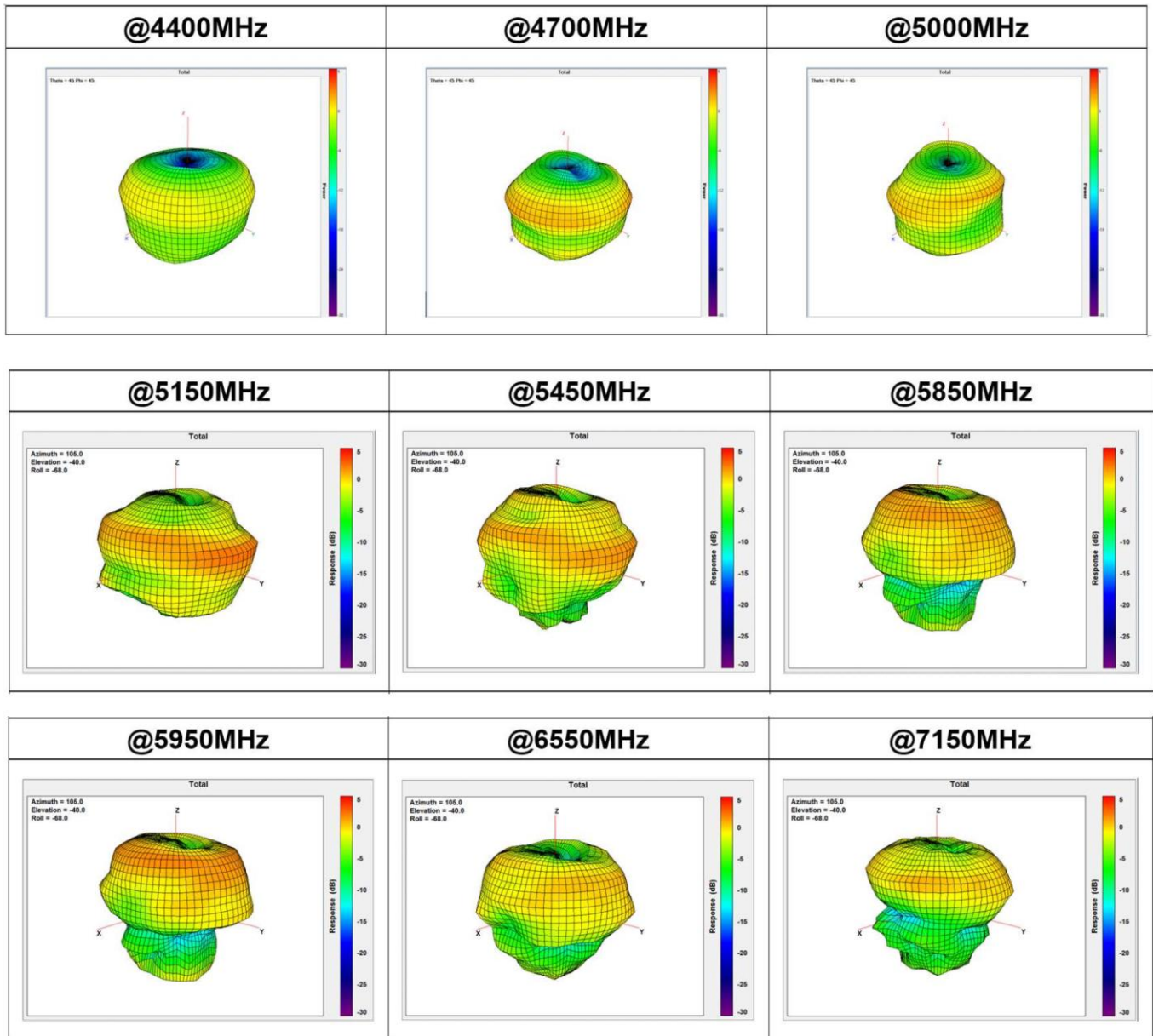
1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

Typical Test Result

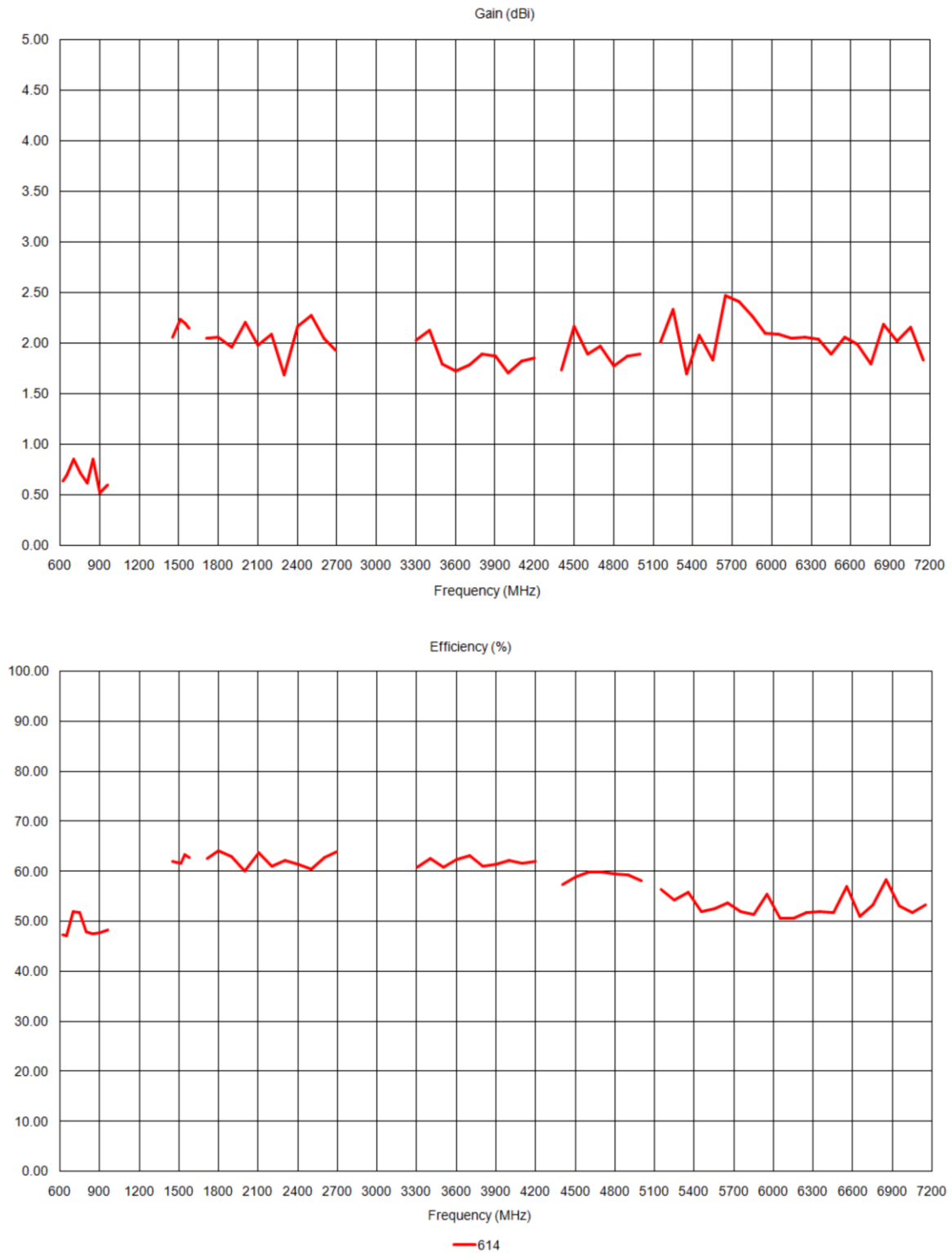


Pattern





Gain and Efficiency



Frequency (MHz)	617	650	700	750	800	850	900	960	1452	1511	1545	1575.412
Gain(dBi)	0.63	0.69	0.85	0.72	0.61	0.85	0.52	0.60	2.06	2.23	2.19	2.15
Efficiency (%)	47.37	47.10	52.06	51.71	47.96	47.52	47.82	48.30	62.13	61.66	63.35	62.81

Frequency (MHz)	1710	1800	1900	2000	2100	2200	2300	2400	2500	2600	2690
Gain(dBi)	2.05	2.06	1.95	2.20	1.98	2.09	1.68	2.16	2.27	2.04	1.93
Efficiency (%)	62.52	64.22	62.93	60.08	63.77	61.12	62.17	61.47	60.41	62.77	63.96

Frequency (MHz)	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200
Gain(dBi)	2.02	2.13	1.79	1.72	1.78	1.89	1.87	1.71	1.82	1.85
Efficiency (%)	60.97	62.53	60.91	62.46	63.21	61.03	61.50	62.16	61.64	62.04

Frequency (MHz)	4400	4500	4600	4700	4800	4900	5000
Gain(dBi)	1.73	2.16	1.89	1.97	1.77	1.87	1.89
Efficiency (%)	57.46	59.04	59.92	59.86	59.45	59.39	58.22

Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850	5950	6050	6150
Gain(dBi)	2.00	2.33	1.69	2.07	1.84	2.47	2.41	2.26	2.09	2.08	2.05
Efficiency (%)	56.36	54.29	55.88	52.01	52.57	53.78	52.08	51.39	55.55	50.60	50.60

Frequency (MHz)	6250	6350	6450	6550	6650	6750	6850	6950	7050	7150
Gain(dBi)	2.06	2.04	1.89	2.05	1.99	1.79	2.19	2.02	2.16	1.83
Efficiency (%)	51.83	51.93	51.83	57.00	50.99	53.40	58.39	53.19	51.87	53.40