



# Cellular Antenna

## MODEL: EEN-404



### - Specifications:

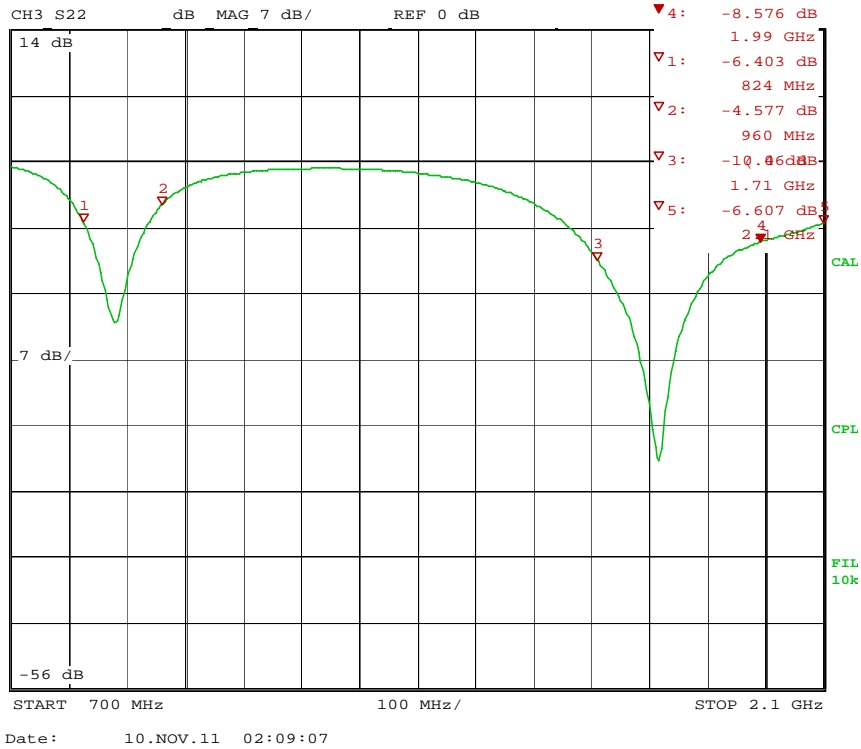
<b>Frequency range:</b>	850/900/1800/1900/2100MHz
<b>Gain(Peak Gain):</b>	5.6 dBi
<b>V.S.W.R:</b>	<2.5:1
<b>Impedence:</b>	50 ohm
<b>Connector:</b>	SMA(P)
<b>Dimension:</b>	Ø10 × 27 (W) × 150/168(H) mm
<b>Operating Temperature:</b>	-20°C ~ +65°C
<b>Storage Temperature:</b>	-30°C ~ +75°C

(\*PS: The specification is subject to change without prior notice)

Data Updated: Jan. 12, 2009

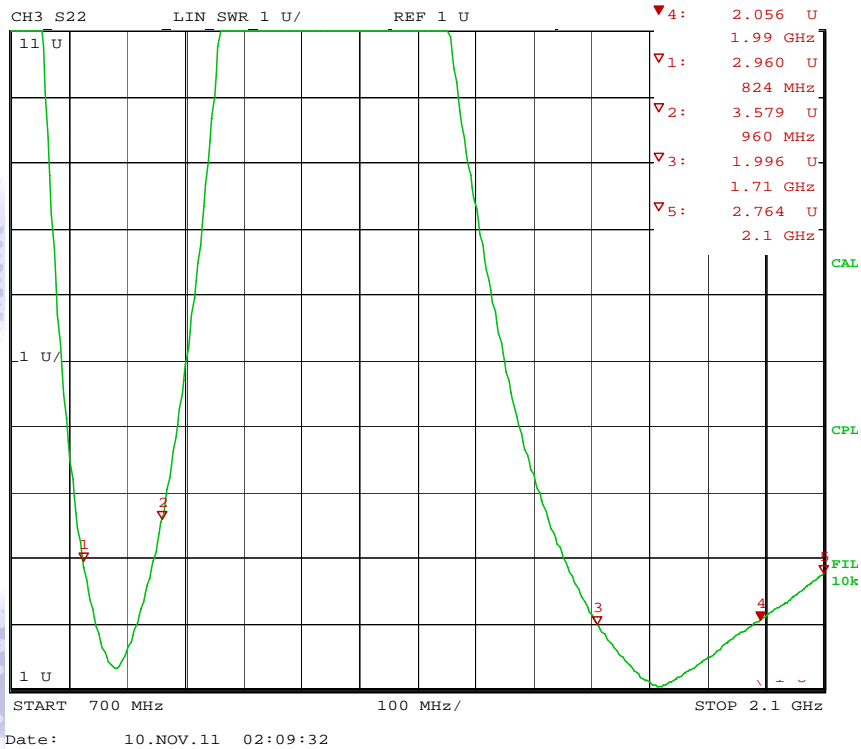
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### - Return Loss



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### - VSWR





### - 3D Testing Report

Frequency (MHz)	824	880	894	960	1710	1850	1880	1920	1990	2170
Tot. Rad. Pwr. (dBm)	-4.51	-4.13	-2.71	-3.46	-2.97	-0.73	-1.24	-1.28	-1.67	-4.54
Peak EIRP (dBm)	1.21	2.31	4	3.01	4.11	5.62	4.66	4.7	3.89	0.06
Directivity (dBi)	5.72	6.44	6.7	6.46	7.07	6.35	5.9	5.98	5.56	4.6
Efficiency (dB)	-4.51	-4.13	-2.71	-3.46	-2.97	-0.73	-1.24	-1.28	-1.67	-4.54
Efficiency (%)	35.4	38.61	53.62	45.11	50.49	84.51	75.09	74.51	68.06	35.13
Gain (dBi)	1.21	2.31	4	3.01	4.11	5.62	4.66	4.7	3.89	0.06
Boresight Phi (°)	150	165	165	180	285	255	255	300	285	255
Boresight Th. (°)	150	150	150	150	165	165	165	165	165	165
Maximum Power (dBm)	1.21	2.31	4	3.01	4.11	5.62	4.66	4.7	3.89	0.06
Minimum Power (dBm)	-14.82	-19.37	-16.08	-18.17	-14.09	-19.66	-13.61	-11.13	-19.68	-13.61
Average Power (dBm)	-4.3	-4.36	-3.17	-3.62	-3.03	-1.1	-1.55	-1.61	-1.93	-4.06
Max/Min Ratio (dB)	16.03	21.68	20.08	21.18	18.19	25.28	18.27	15.83	23.57	13.67
Max/Avg Ratio (dB)	5.72	6.44	6.7	6.46	7.07	6.35	5.9	5.98	5.56	4.6
Min/Avg Ratio (dB)	-10.31	-15.24	-13.37	-14.71	-11.12	-18.93	-12.37	-9.85	-18.01	-9.07
Average Gain (dB)	-4.51	-4.13	-2.71	-3.46	-2.97	-0.73	-1.24	-1.28	-1.67	-4.54
Upper Hem. PRP (dBm)	-8.33	-8.95	-7.65	-7.5	-6.64	-4.21	-4.98	-4.99	-5.25	-7.48
Lower Hem. PRP (dBm)	-5.93	-4.65	-3.31	-4.96	-4.34	-2.2	-2.6	-2.48	-3.16	-6.77
Efficiency (%)	35.4	38.61	53.62	45.11	50.49	84.51	75.09	74.51	68.06	35.13

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