

4G Magnetic Loaded Coil Antenna

FEATURES & BENEFITS



- Monopole Antenna, Ground (Cable) Plane dependent
- Small Suction design to meet the magnetic suction installation
- High gain, low loss cable

APPLICATIONS

- Outdoor Events and Activities
- Vehicle Connectivity
- Remote Work and Temporary Sites
- Public Safety and Emergency Response
- Mobile Homes and Boats
- Temporary Connectivity Solutions such as disaster recovery, temporary offices, or pop-up events.



ORDER INFORMATION

Product Name	4G Magnetic Loaded Coil Antenna
Part Number	M04-0105290R0A
Dimensions	Ø29.8 x 208 mm
Weight	33.8 g
Color	Black
Mounting	Magnetic mount
Antenna Cable	Default SMA Male RF RG174 black coaxial cable (Ø2.8 x1500 mm) , customizable.

REFERENCE GUIDE

Technical Features (MHz)	824-960	1710-2690
Max VSWR	4.0:1	2.0:1
Max Efficiency	35.92%	
Peak Gain	1.76dBi	
Radiation Pattern	Omnidirectional	
Polarization	Linear	
Input Impedance	50 Ω	
Operating Temperature	-40°C to +85°C	
Storage Temperature	-40°C to +85°C	
Relative Humidity	10 to 70%	
Material Substance Compliance	RoHS Compliant	

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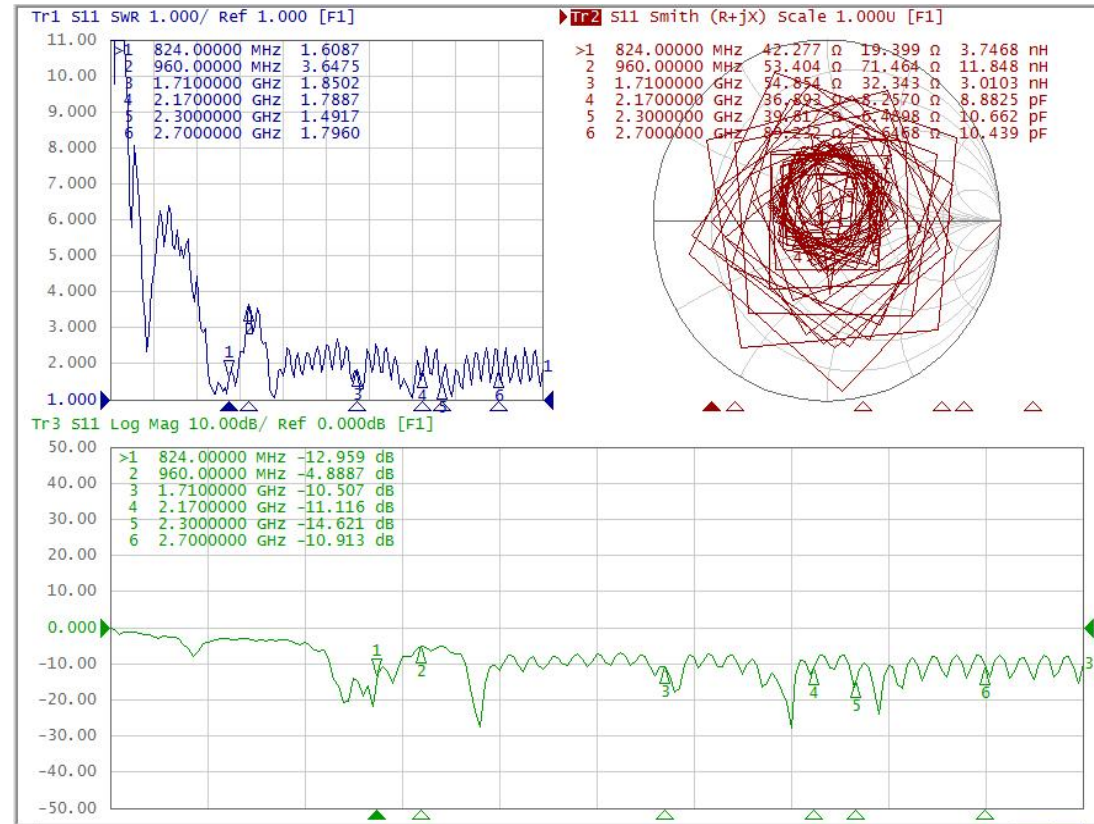
Dimensions

(L x W x H)

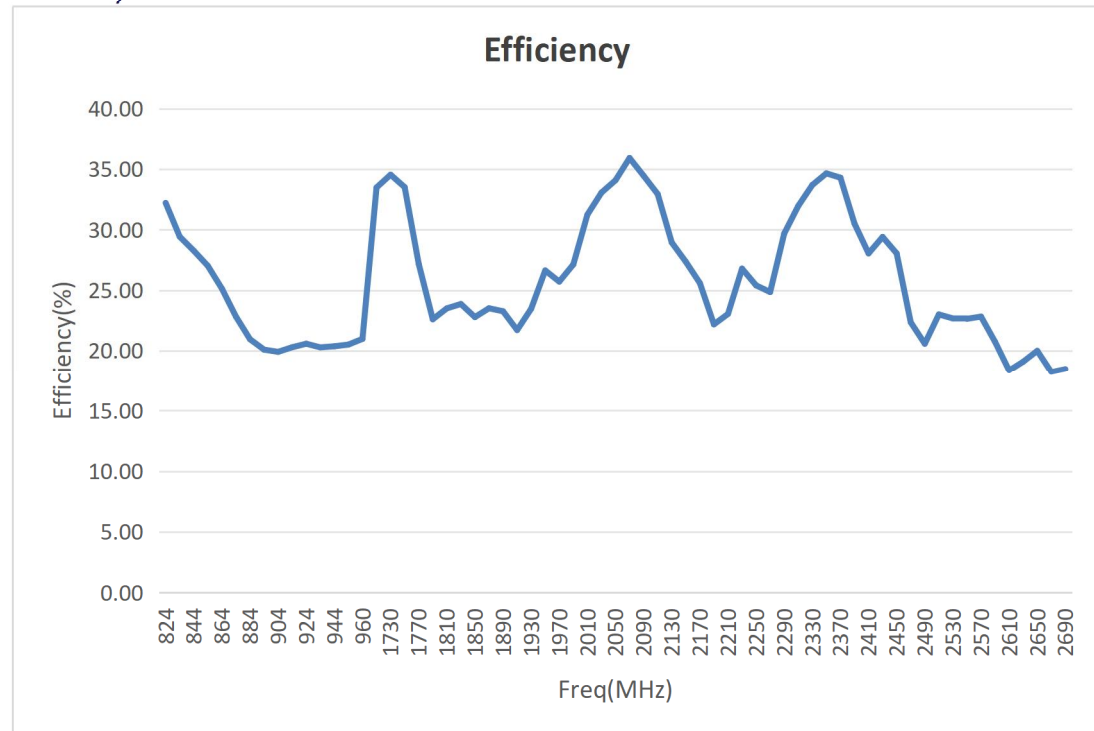
Ø29.8 x 208 mm

ELECTRICAL PERFORMANCE

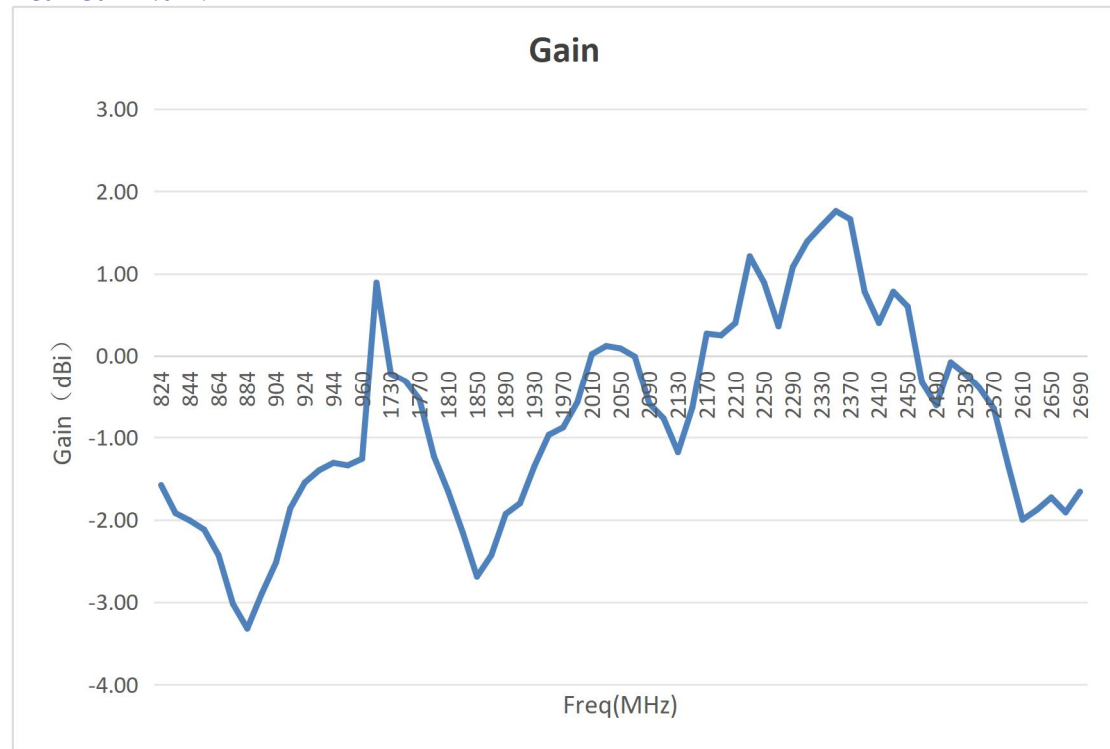
Return Loss



Efficiency (%)



Peak Gain (dBi)



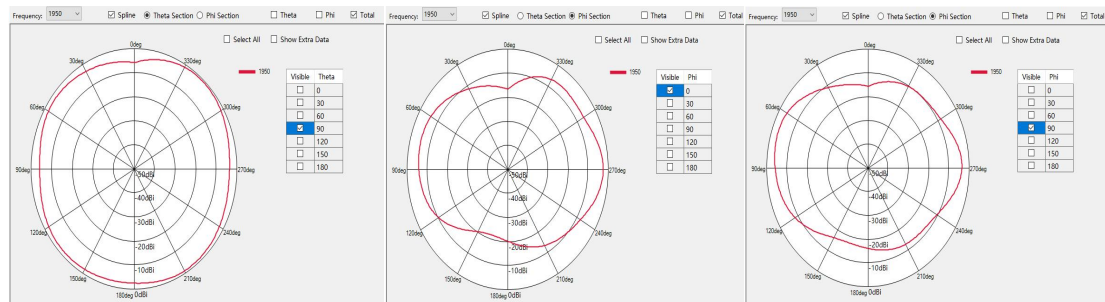
Freq(MHz)	Gain (dBi)	Efficiency(%)	Freq(MHz)	Gain (dBi)	Efficiency(%)	Freq(MHz)	Gain (dBi)	Efficiency(%)
824	-1.58	32.21	1850	-2.69	22.78	2290	1.08	29.68
834	-1.92	29.42	1870	-2.43	23.51	2310	1.39	31.96
844	-2.01	28.26	1890	-1.93	23.26	2330	1.58	33.69
854	-2.12	27.01	1910	-1.80	21.71	2350	1.76	34.65
864	-2.43	25.13	1930	-1.35	23.47	2370	1.66	34.29
874	-3.02	22.82	1950	-0.97	26.63	2390	0.78	30.50
884	-3.32	20.95	1970	-0.88	25.71	2410	0.40	28.04
894	-2.90	20.09	1990	-0.57	27.13	2430	0.78	29.40
904	-2.52	19.91	2010	0.02	31.24	2450	0.60	28.04
914	-1.86	20.29	2030	0.12	33.06	2470	-0.33	22.35
924	-1.55	20.58	2050	0.09	34.08	2490	-0.61	20.58
934	-1.40	20.28	2070	-0.01	35.92	2510	-0.08	23.00
944	-1.31	20.37	2090	-0.59	34.45	2530	-0.22	22.67
954	-1.34	20.51	2110	-0.77	32.94	2550	-0.40	22.64
960	-1.26	20.98	2130	-1.18	28.94	2570	-0.65	22.82
1710	0.89	33.48	2150	-0.64	27.35	2590	-1.34	20.73
1730	-0.22	34.54	2170	0.27	25.59	2610	-2.00	18.35
1750	-0.31	33.51	2190	0.25	22.18	2630	-1.88	19.09
1770	-0.54	27.18	2210	0.40	23.04	2650	-1.73	19.99
1790	-1.23	22.60	2230	1.21	26.78	2670	-1.91	18.22
1810	-1.66	23.50	2250	0.89	25.40	2690	-1.66	18.47
1830	-2.15	23.86	2270	0.36	24.85			

RADIATION PATTERNS

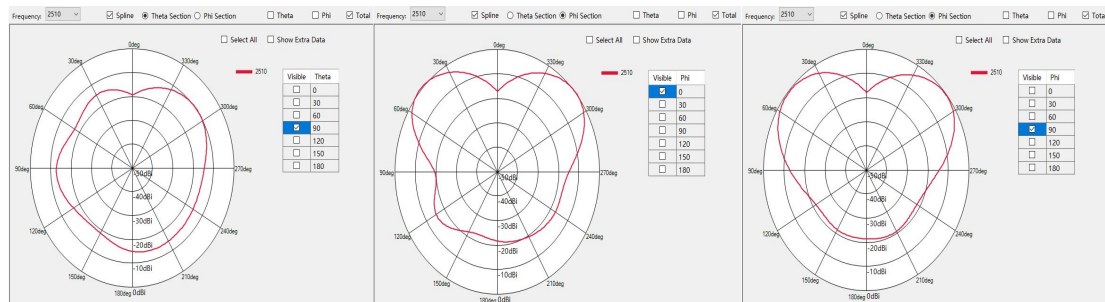
2D Radiation Pattern at 894MHz



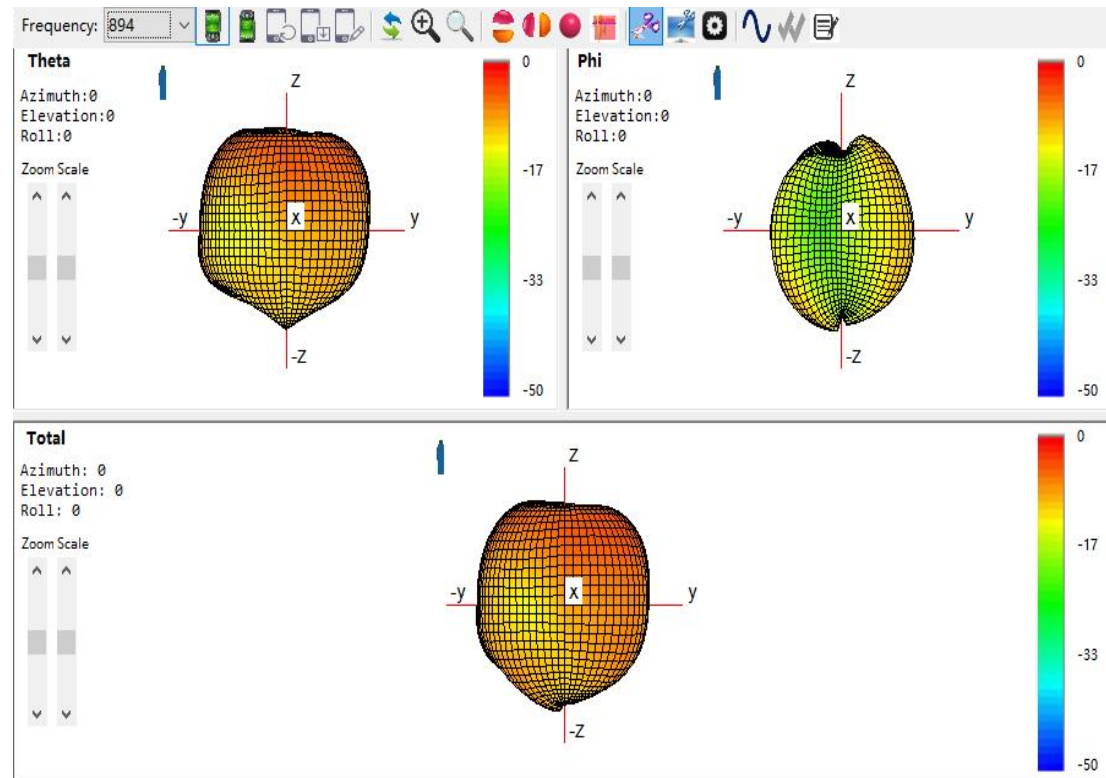
2D Radiation Pattern at 1950MHz



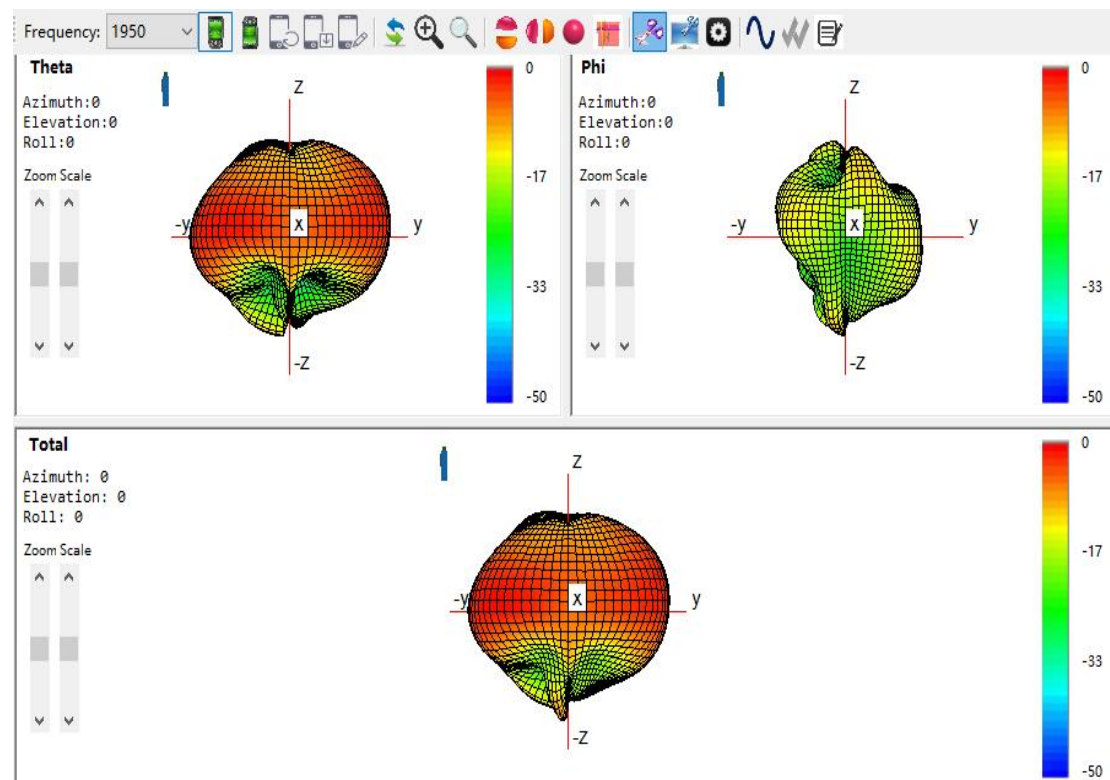
2D Radiation Pattern at 2510MHz



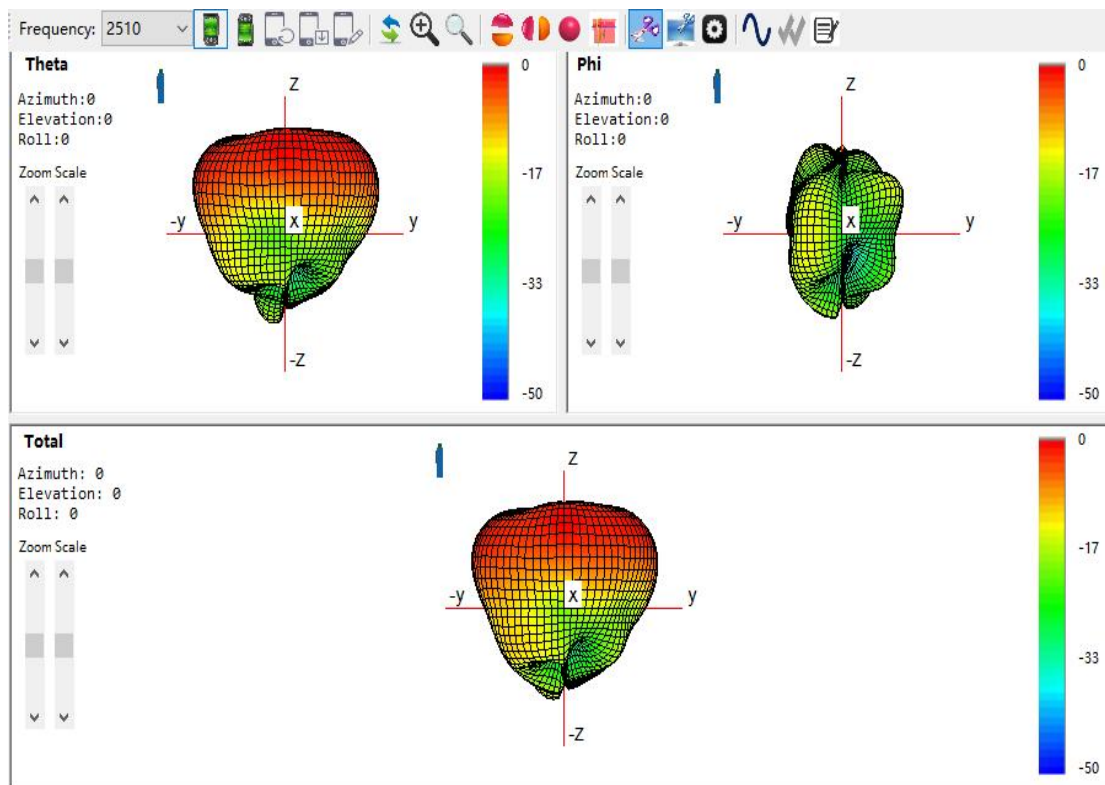
3D Radiation Pattern at 894MHz



3D Radiation Pattern at 1950MHz



3D Radiation Pattern at 2510MHz



HOUSING CONFIGURATIONS

