

4G P65x15 L200 MCX-J Antenna

FEATURES & BENEFITS



- Welding RG 1.37 cable, MCX connector
- Mounting to: non-conductive surface

APPLICATIONS

- IoT Devices
- Smart Cities
- Smart Agriculture
- Consumer Tracking
- Smart Metering
- Smart Agriculture



ORDER INFORMATION

Product Name	4G P65x15 L200 MCX-J Antenna
Part Number	M01-0501160R0A
Dimensions	65x15x0.8mm
Weight	3.0 g
Color	Green
Antenna Cable	Default MCX RF 1.37 black coaxial cable (Ø 1.37 x 200 mm) , customizable.

REFERENCE GUIDE

Technical Features (MHz)	698-960	1710-2690
Max VSWR	8.0:1	4.0:1
Max Efficiency	60.63%	
Peak Gain	2.32dBi	
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	
Dimensions (L x W x H)	65x15x0.8mm	

MyAntenna RF Technology Co., Ltd

ADD: No. RM 410, Country Garden Phoenix Wisdom Valley, No. 50 Tiezai Road, Baoan District, Shenzhen, P.R.China.

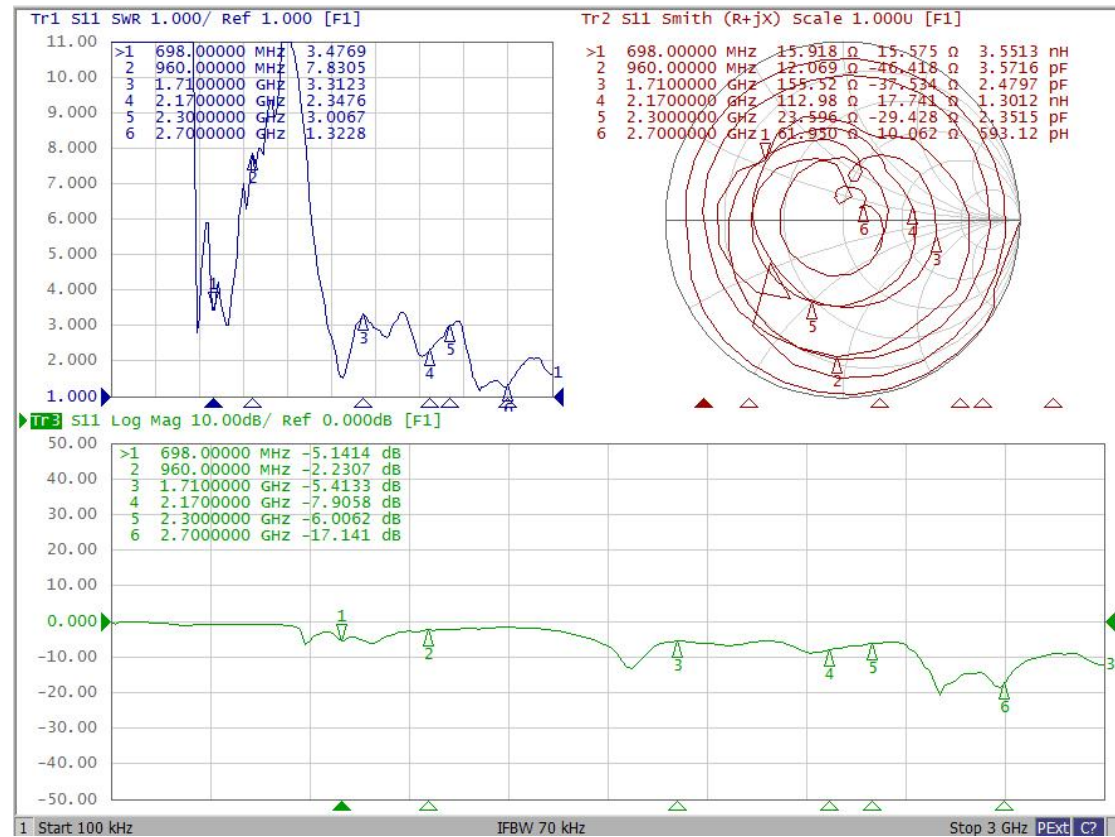
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL PERFORMANCE

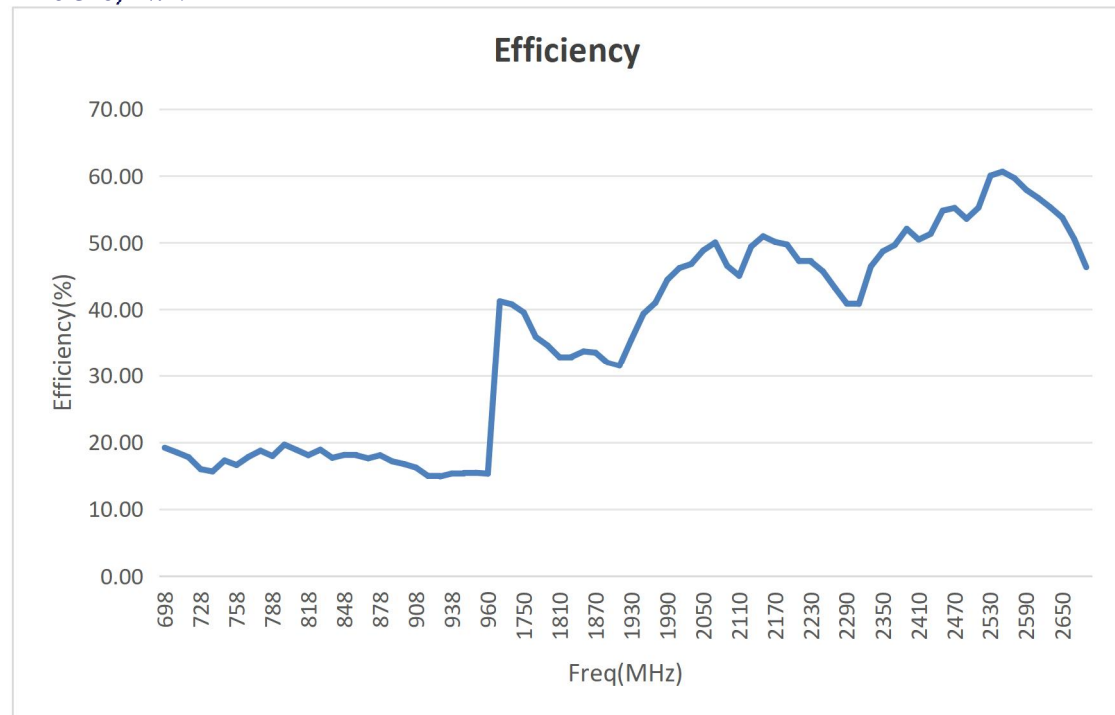
Note

All data displayed in the "ELECTRICAL PERFORMANCE" section were measured using a 200mm-long RF 1.37 cable

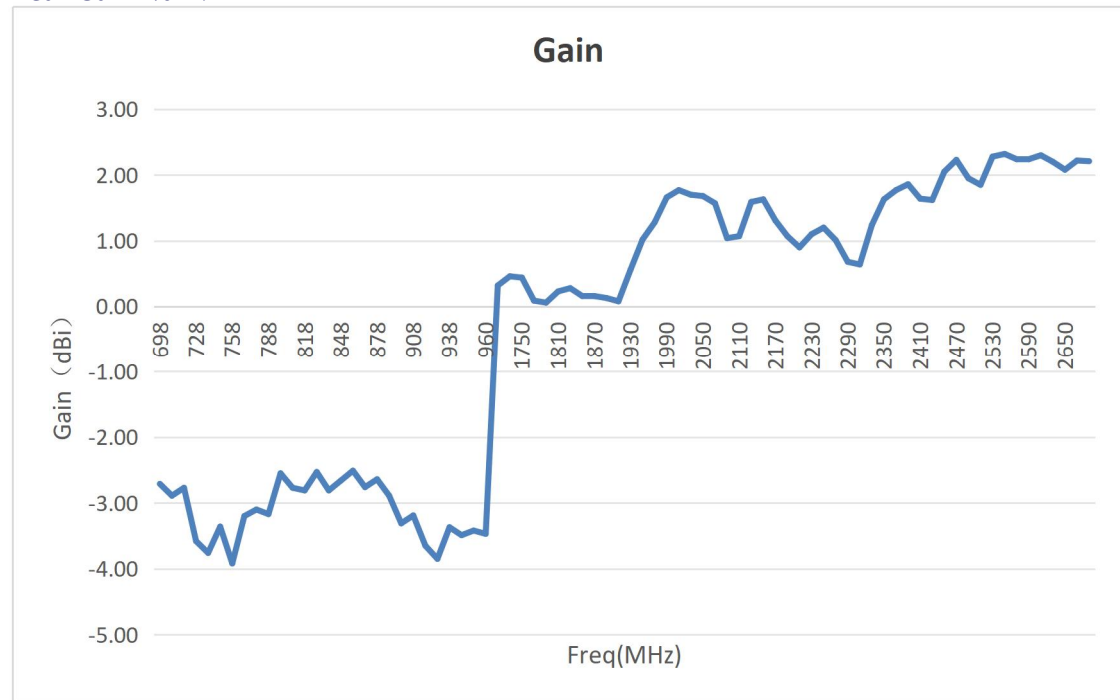
Return Loss



Efficiency (%)



Peak Gain (dBi)

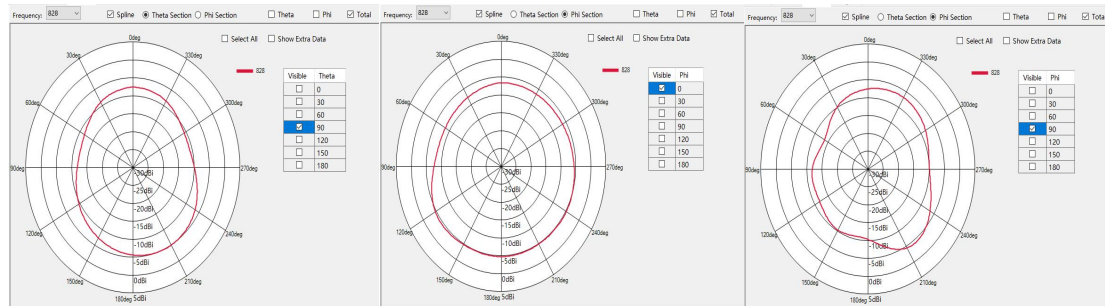


Freq(MHz)	Gain (dBi)	Efficiency(%)	Freq(MHz)	Gain (dBi)	Efficiency(%)	Freq(MHz)	Gain (dBi)	Efficiency(%)
698	-2.71	19.18	958	-3.42	15.44	2190	1.07	49.72
708	-2.89	18.49	960	-3.47	15.31	2210	0.90	47.26
718	-2.77	17.76	1710	0.32	41.23	2230	1.10	47.17
728	-3.58	15.98	1730	0.46	40.77	2250	1.20	45.70
738	-3.76	15.64	1750	0.44	39.56	2270	1.01	43.24
748	-3.36	17.28	1770	0.09	35.89	2290	0.68	40.87
758	-3.92	16.60	1790	0.06	34.60	2310	0.64	40.83
768	-3.20	17.82	1810	0.23	32.82	2330	1.24	46.43
778	-3.10	18.74	1830	0.28	32.91	2350	1.63	48.70
788	-3.17	17.94	1850	0.16	33.72	2370	1.77	49.65
798	-2.55	19.65	1870	0.16	33.53	2390	1.86	52.08
808	-2.77	18.87	1890	0.13	31.98	2410	1.64	50.46
818	-2.81	18.07	1910	0.08	31.50	2430	1.62	51.32
828	-2.53	18.89	1930	0.56	35.52	2450	2.05	54.79
838	-2.81	17.68	1950	1.02	39.36	2470	2.23	55.20
848	-2.66	18.11	1970	1.28	41.01	2490	1.95	53.57
858	-2.51	18.06	1990	1.66	44.45	2510	1.85	55.25
868	-2.76	17.60	2010	1.77	46.20	2530	2.28	60.04
878	-2.64	18.06	2030	1.70	46.81	2550	2.32	60.63
888	-2.89	17.15	2050	1.68	48.85	2570	2.24	59.66
898	-3.31	16.75	2070	1.57	50.03	2590	2.24	57.89
908	-3.19	16.21	2090	1.04	46.53	2610	2.30	56.68
918	-3.65	14.97	2110	1.07	45.04	2630	2.20	55.29
928	-3.85	14.89	2130	1.59	49.41	2650	2.08	53.74

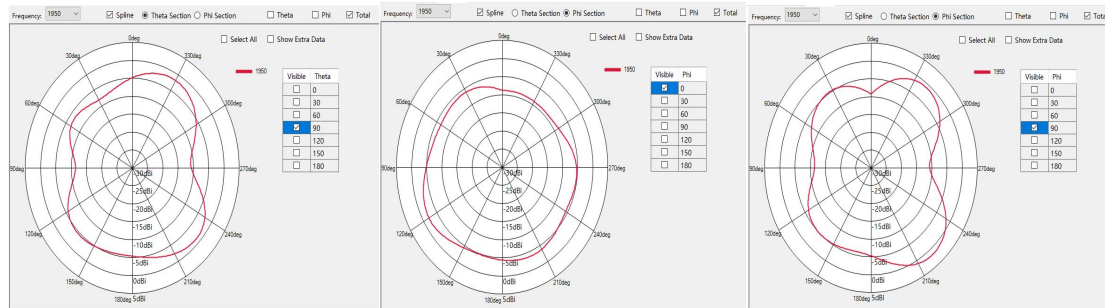
938	-3.37	15.33	2150	1.63	50.96	2670	2.22	50.54
948	-3.49	15.42	2170	1.31	50.11	2690	2.21	46.33

RADIATION PATTERNS

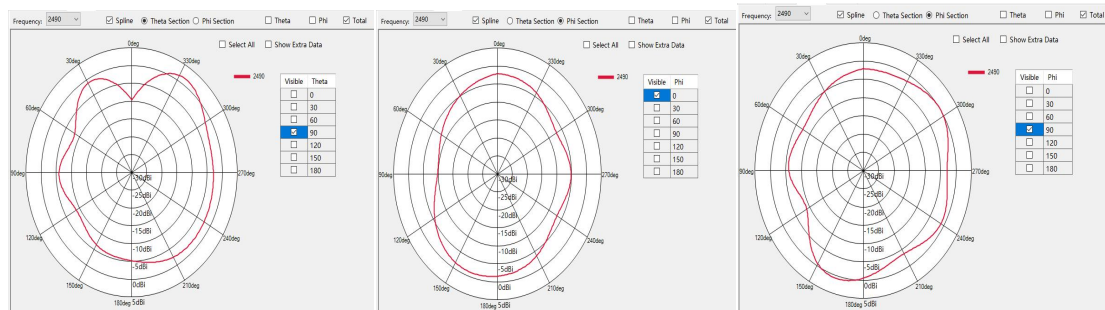
2D Radiation Pattern at 828MHz



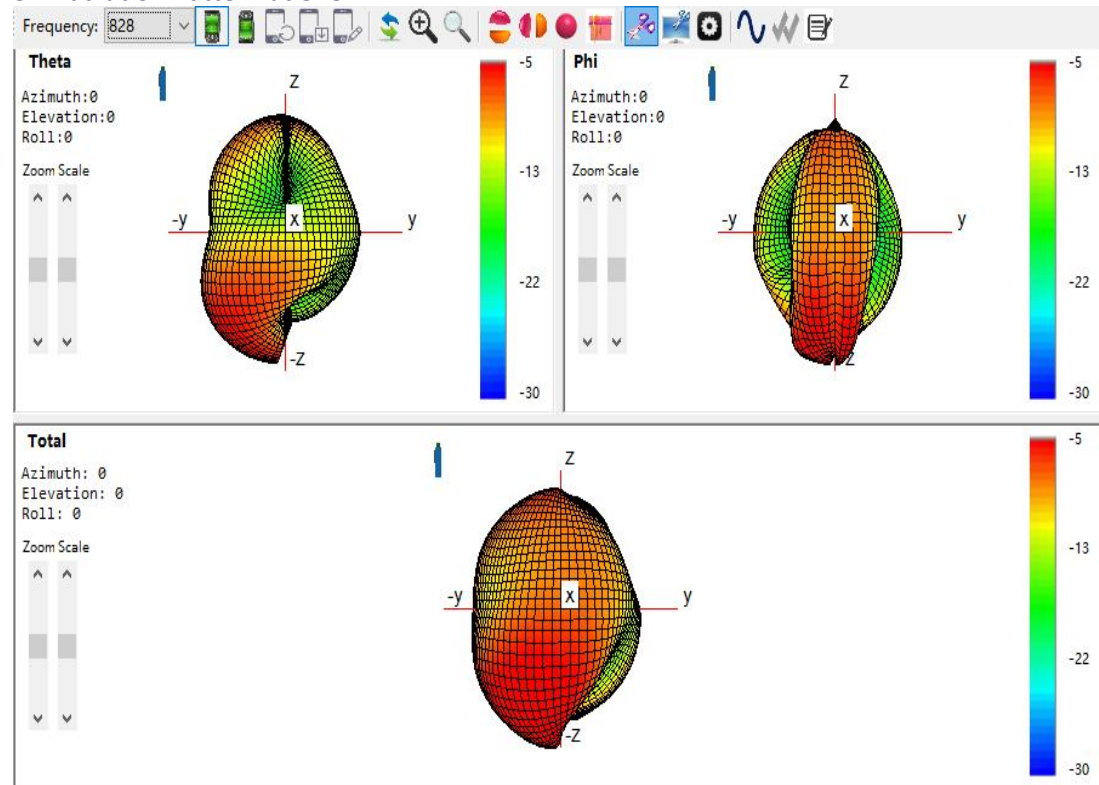
2D Radiation Pattern at 1950MHz



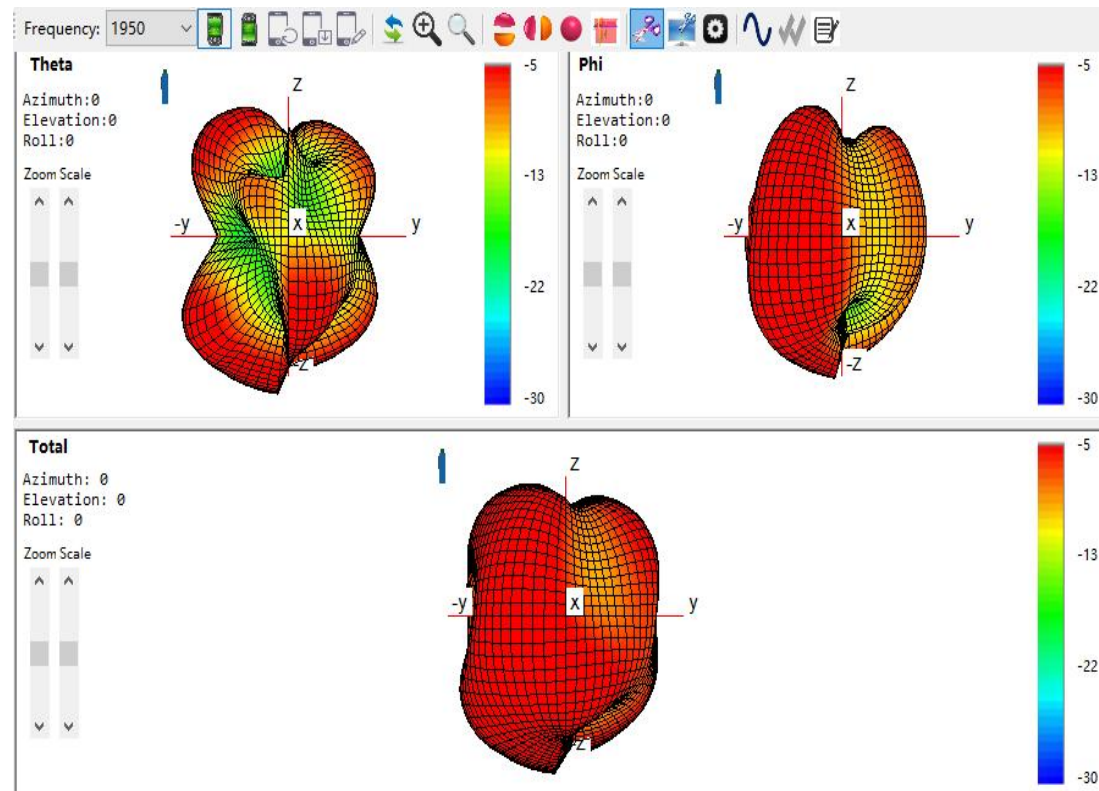
2D Radiation Pattern at 2490MHz



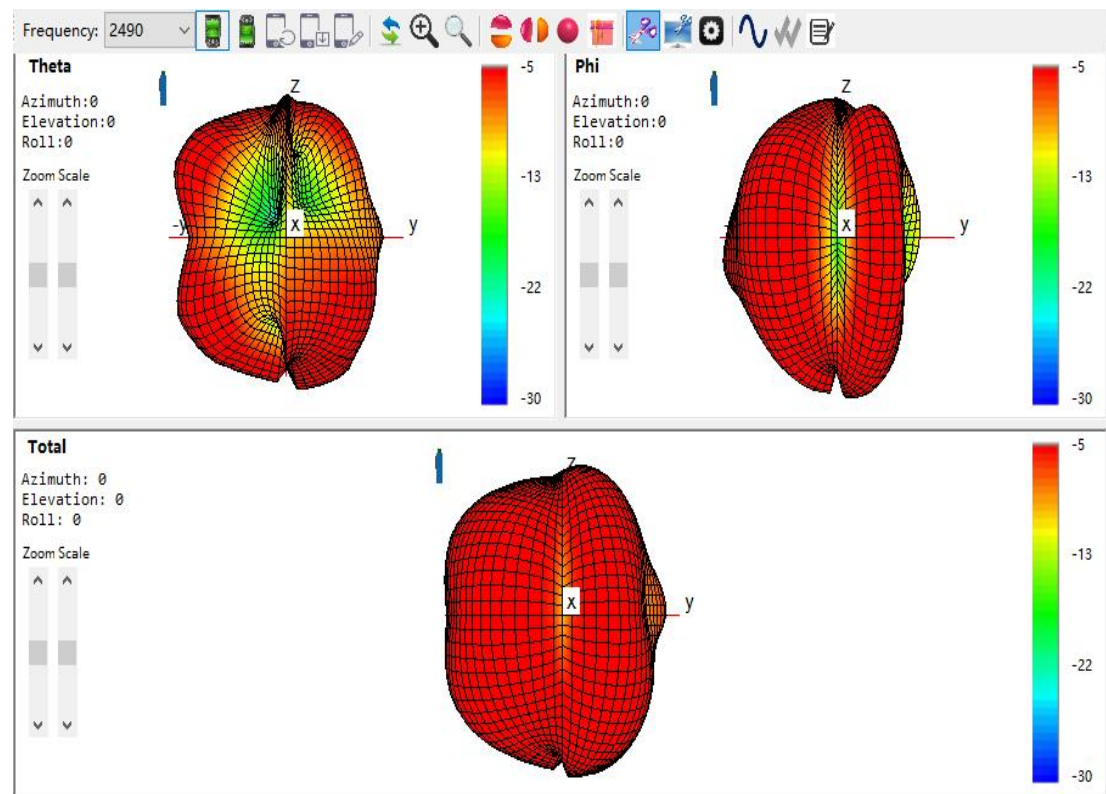
3D Radiation Pattern at 828MHz



3D Radiation Pattern at 1950MHz



3D Radiation Pattern at 2490MHz



HOUSING CONFIGURATIONS

