



## Product Specifications Acknowledgment

**Recognized Manufacturers**

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**Manufacturer**

Shenzhen Guyang Communication Technology Co.,Ltd

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**Product Name**

Sucker Antenna

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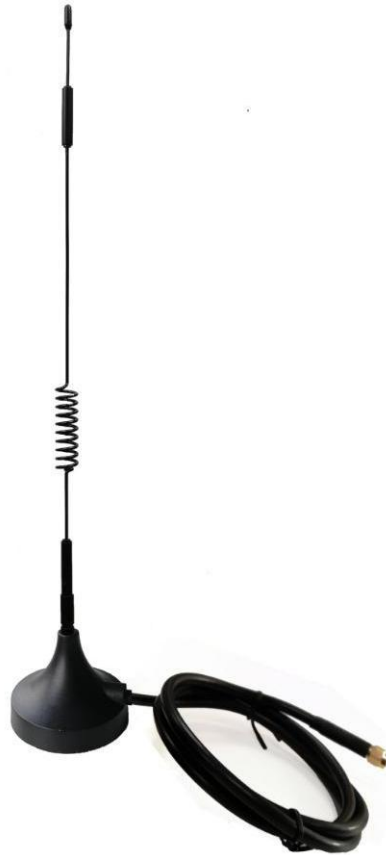
**Product Type**

GY-XDK-OCL5-B2JG31.8

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## Product Figure



\*Note: The actual product shall prevail.

## Product Key Features

1. The antenna is internally made of carbon steel.
2. The plastic is made of anti-aging ABS, ensuring a long service life.
3. SMA connectors have a long lifespan and are resistant to oxidation.
4. The antenna has a wide frequency band, low standing wave ratio, and good matching.
5. It has an aesthetically pleasing and compact design, making it easy to install.



## Product Parameter

Frequency Range (MHz)	690~960、1710~2690 3300-4200、4400-6000	Rod Height (cm)	28.7	Connector Type	SMA-J3.0 Gold plating
Gain (dBi)	≤1.5	Antenna Height (cm)	31.8	Shell Material	ABS
VSWR	≤3	RF Cable	LMR-195 Cable Φ5.0±0.1mm, black	Shell Color	Black
Impedence (Ohm)	50 ohm	Line Length (mm)	5000±30	Mounting	Magnet
Polarization	linear polarization	Working Temp (°C)	-40~+85	Humidity	Humidity25%~95% RH

## Antenna efficiency and gain

Passive Test For 690-960、1710-2690、3300-4200、4400-6000								
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
690	19.55	-4.13	3130	12.6	-0.91	4570	10.49	-3.23
700	15.11	-5.11	3140	10.61	-3.31	4580	11.04	-2.99
710	20.5	-3.42	3150	11.31	-2.15	4590	11.8	-1.78
720	16.76	-4.1	3160	11.9	-0.87	4600	11.52	-2.39
730	18.33	-3.79	3170	10.56	-2.56	4610	10.7	-3.76
740	18.3	-4.37	3180	9.22	-4.33	4620	11.83	-2.27
750	22.51	-2.73	3190	11.36	-1.42	4630	12.27	-1.74
760	24.46	-2.18	3200	13.18	-0.24	4640	10.94	-2.56
770	21.42	-2.35	3210	12.25	-2.18	4650	10.74	-2.54
780	25.2	-1.33	3220	9.75	-3.46	4660	11.86	-1.29
790	27.87	-1.18	3230	11.61	-1.41	4670	12.4	-2.19
800	30.04	-0.78	3240	13.93	-0.95	4680	10.05	-2.87
810	27.78	-0.34	3250	12.37	-2.02	4690	9.81	-2.6
820	26.53	-1.18	3260	11.07	-1.7	4700	10.75	-1.26
830	27.35	-1.36	3270	12.26	-1.4	4710	11.16	-2.55
840	28.72	-0.7	3280	13.49	-0.92	4720	8.56	-3.95
850	26.4	-1.25	3290	11.54	-1.59	4730	8.15	-3.52
860	28.11	-1.26	3300	11.12	-1.53	4740	9.16	-2.43
870	25.14	-1.48	3310	12.69	-1.88	4750	9.65	-3.98
880	27.19	-0.94	3320	14.96	-1.74	4760	8.52	-4.21
890	22.96	-1.88	3330	13.5	-1.43	4770	8.01	-3.81
900	23.66	-1.31	3340	11.99	-1.8	4780	8.2	-3.77



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910	20.42	-2.06	3350	14.55	-1.7	4790	7.99	-4.21
920	22.22	-1.79	3360	16.92	-1.04	4800	7.76	-5.24
930	22.42	-1.72	3370	15.28	-1.46	4810	8.84	-2.1
940	20.26	-2.42	3380	13.27	-1.71	4820	9.56	-2.73
950	18.72	-2.41	3390	15.05	-0.73	4830	9.48	-3.29
960	19.63	-2.01	3400	15.73	-1.38	4840	8.64	-4.15
970	22.53	-1.47	3410	14.09	-2.03	4850	8.68	-2.94
980	16.74	-2.71	3420	12.8	-1.34	4860	8.51	-3.71
1700	21.05	0.5	3430	15.6	-0.97	4870	8.08	-3.51
1710	19.89	-0.1	3440	14.86	-1.9	4880	8.62	-4.08
1720	18.91	-0.17	3450	13.46	-1.75	4890	9.83	-3.11
1730	19.9	-0.82	3460	11.95	-2.09	4900	9.39	-4.35
1740	23.15	-0.14	3470	13.8	-2.33	4910	9.6	-3.31
1750	21.31	-0.32	3480	13.35	-2.04	4920	8.96	-4.01
1760	21.56	-1.4	3490	12.22	-2.08	4930	9.63	-3.54
1770	22.87	-0.47	3500	10.7	-2.37	4940	9.69	-3.78
1780	26.11	-0.27	3510	12.7	-2.08	4950	8.65	-3.66
1790	23.45	-0.76	3520	12.14	-1.88	4960	9.65	-3.2
1800	24.08	-1.33	3530	11.64	-2.42	4970	10.53	-3.36
1810	25.39	-0.6	3540	11.34	-2.96	4980	9.24	-3.43
1820	28.08	-0.21	3550	12.64	-1.72	4990	8.98	-3.2
1830	26.71	0.07	3560	11.84	-2.04	5000	8.52	-3.76
1840	28.22	1.27	3570	13.02	-2.41	5010	8.33	-4.37
1850	28.25	0.23	3580	12.48	-2.49	5020	6.98	-5.16
1860	30.33	0.31	3590	13.19	-1.31	5030	7.66	-5.13
1870	30.78	1.34	3600	12.1	-2.1	5040	8.95	-4.6
1880	30.71	1.56	3610	12.63	-2.15	5050	8.35	-4.89
1890	28.85	0.82	3620	11.45	-2.67	5060	7.26	-5.07
1900	27.23	-0.11	3630	12.57	-1.28	5070	7.64	-5.41
1910	27.47	1.12	3640	13.09	-1.73	5080	9.15	-4.5
1920	26.91	1.37	3650	13.22	-1.78	5090	8	-4.61
1930	25.64	1	3660	12.42	-1.39	5100	7.63	-5.14
1940	25.28	1.43	3670	12.66	-1.08	5110	7.15	-6
1950	22.55	1.41	3680	13.14	-1.95	5120	8.96	-4.55
1960	19.9	0.62	3690	13.43	-1.59	5130	7.61	-5.22
1970	18.9	0.11	3700	11.91	-1.33	5140	7.45	-4.71
1980	20.42	0.82	3710	12.35	-1.56	5150	7.09	-4.35
1990	17.97	0.27	3720	12.19	-2.59	5160	8.21	-4.41
2000	17.18	-0.3	3730	12.7	-1.65	5170	8.14	-5.03



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2010	16.14	-0.69	3740	11	-1.86	5180	8.71	-4.16
2020	18.44	0.17	3750	11.82	-2.6	5190	8.76	-3.82
2030	15.95	-0.59	3760	12.38	-1.97	5200	8.63	-4.04
2040	17.55	-0.35	3770	12.18	-2.43	5210	8.84	-4.76
2050	16.81	-0.3	3780	9.88	-3.8	5220	8.22	-5.06
2060	19.29	0.3	3790	10.58	-2.76	5230	7.57	-4.36
2070	15.89	-0.51	3800	11.16	-2.61	5240	7.69	-4.87
2080	16.95	-0.28	3810	12.91	-1.93	5250	8.22	-4.47
2090	17.52	0.09	3820	11.14	-3.57	5260	8.41	-4.26
2100	20.5	0.33	3830	10.98	-3.33	5270	8.54	-3.54
2110	16.98	-0.01	3840	10.09	-3.89	5280	8.3	-4.01
2120	18.4	-0.04	3850	10.32	-3.63	5290	9.54	-4.07
2130	17.94	0.27	3860	9.64	-3.27	5300	7.6	-4.71
2140	20.36	0.62	3870	10.11	-3.43	5310	8.08	-3.88
2150	18.31	0.62	3880	10.29	-3.64	5320	8.23	-4.38
2160	17.85	0.07	3890	11.15	-2.72	5330	8.33	-4.74
2170	17.82	-0.02	3900	12.54	-1.47	5340	7.55	-5.53
2180	18.49	0.07	3910	12.76	-1.88	5350	6.57	-3.18
2190	17.46	0.03	3920	11.84	-2.96	5360	6.24	-5.1
2200	17.5	0.54	3930	12.93	-1.86	5370	6.1	-6.66
2210	18.53	0.23	3940	13.58	-1.08	5380	6.88	-4.66
2220	19.7	0.12	3950	12.71	-1.38	5390	6.42	-2.83
2230	17.82	0.02	3960	12.4	-2.57	5400	6.54	-4.79
2240	16.7	-0.19	3970	12.97	-2.16	5410	7.17	-5.05
2250	17.75	-0.63	3980	13.31	-1.33	5420	7.39	-3.09
2260	19.29	-0.29	3990	12.21	-1.51	5430	5.49	-3.71
2270	18.7	-0.62	4000	11.09	-2.42	5440	5.5	-6.6
2280	18.38	-0.46	4010	11.62	-2.43	5450	6.35	-4.98
2290	19.43	-0.51	4020	12.28	-1.87	5460	6.95	-2.32
2300	20.93	-0.48	4030	12.34	-1.38	5470	5.3	-3.56
2310	18.17	-0.85	4040	12.75	-1.39	5480	6.28	-6.1
2320	17.33	-0.59	4050	13.12	-1.04	5490	8.38	-3.7
2330	18.16	-0.17	4060	11.81	-2.12	5500	8.83	-1.82
2340	20.5	-0.11	4070	11.04	-2.25	5510	6.7	-3.12
2350	18.46	-0.81	4080	11.68	-1.53	5520	6.72	-5.36
2360	17.39	-0.27	4090	12.63	-1.21	5530	8.75	-3.59
2370	17.96	-0.47	4100	12.53	-1.42	5540	7.64	-3.06
2380	19.65	0.58	4110	10.39	-2.19	5550	7.14	-4.08
2390	17.2	-0.62	4120	11.53	-1.2	5560	7.78	-4.52



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2400	18.38	-0.17	4130	11.62	-1.14	5570	7.82	-4.15
2410	19.63	0.57	4140	12.4	-0.76	5580	7.41	-3.46
2420	19.72	0.82	4150	13.45	0.14	5590	6.57	-4.87
2430	17.96	-0.42	4160	11.59	-0.16	5600	7.33	-4.37
2440	18.94	-0.29	4170	12.2	0.12	5610	8.98	-3.49
2450	21.1	0.95	4180	12.6	-0.43	5620	8	-3.04
2460	20.48	0.82	4190	12.81	-0.27	5630	7.47	-4.54
2470	19.84	0.09	4200	13.26	0.05	5640	6.9	-4.66
2480	19.17	0.13	4210	11.95	-0.28	5650	8.5	-3.01
2490	20.77	0.75	4220	13.55	0.41	5660	8.38	-2.38
2500	19.55	0.22	4230	13.12	0.28	5670	7.5	-4.12
2510	20.14	-0.06	4240	13.09	-0.14	5680	8.18	-4.27
2520	20.16	0.07	4250	13.21	-0.9	5690	8.05	-3.67
2530	23.75	0.9	4260	13.7	-0.85	5700	8.28	-2.67
2540	22.06	0.57	4270	14.02	0.03	5710	8.07	-3.25
2550	23	1	4280	13.18	-0.28	5720	8.11	-3.37
2560	21.73	0.81	4290	11.84	-1.39	5730	9.32	-2.24
2570	25.1	0.82	4300	13.67	-1.02	5740	8.61	-2.93
2580	25.69	0.56	4310	12.59	-0.55	5750	8.12	-3.82
2590	25.76	0.08	4320	13.4	-0.54	5760	7.72	-3.34
2600	25.76	0.59	4330	12.12	-1.31	5770	7.96	-1.93
2610	27.69	0.54	4340	12.81	-0.88	5780	8.27	-2.32
2620	28.05	0.9	4350	10.87	-1.62	5790	7.75	-3.75
2630	25.41	-0.5	4360	10.81	-2.06	5800	7.58	-3.52
2640	24.6	-0.51	4370	11.29	-1.69	5810	7.59	-2.77
2650	26.63	0.09	4380	12.65	-0.17	5820	7.27	-3.12
2660	25.24	-0.21	4390	11.95	-0.43	5830	7.26	-3.97
2670	24.5	-0.85	4400	12.64	-1.18	5840	6.52	-4.18
2680	25.23	-0.08	4410	12.26	-1.88	5850	7.41	-3.01
2690	23.85	-1.01	4420	12.25	-0.95	5860	6.77	-3.64
2700	20.86	-1	4430	11.8	-0.78	5870	7.38	-3.47
3000	11.56	-2.81	4440	12.74	-0.79	5880	7.29	-3.32
3010	11.09	-2.88	4450	10.84	-1.93	5890	7.22	-2.49
3020	12.52	-2.52	4460	11.23	-1.66	5900	7.84	-2.86
3030	10.48	-4.19	4470	12.71	-0.94	5910	7.41	-3.6
3040	11.66	-2.49	4480	12.77	-1.27	5920	6.48	-4.06
3050	12.47	-1.49	4490	11.99	-1.38	5930	8.11	-2.73
3060	13.27	-1.93	4500	12.69	-1.07	5940	7.63	-3.36
3070	12.27	-2.7	4510	13.52	-1.36	5950	8	-3.47

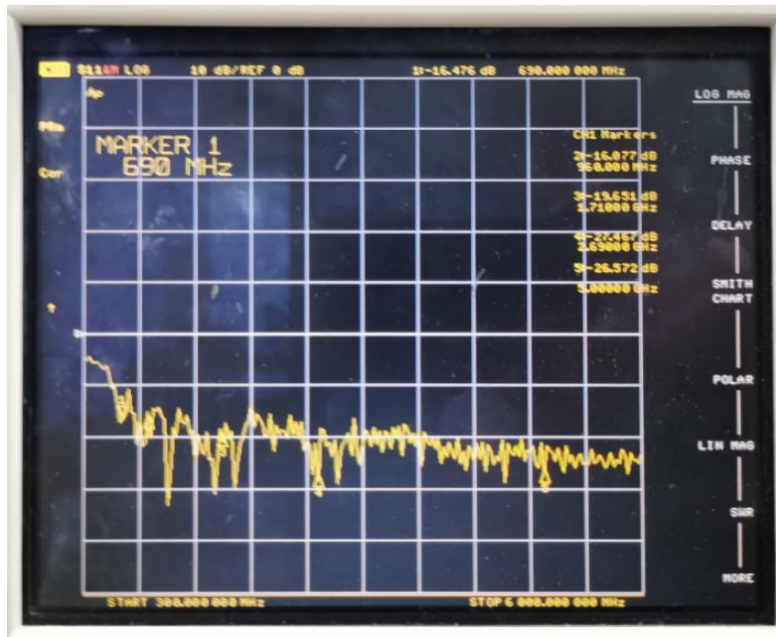


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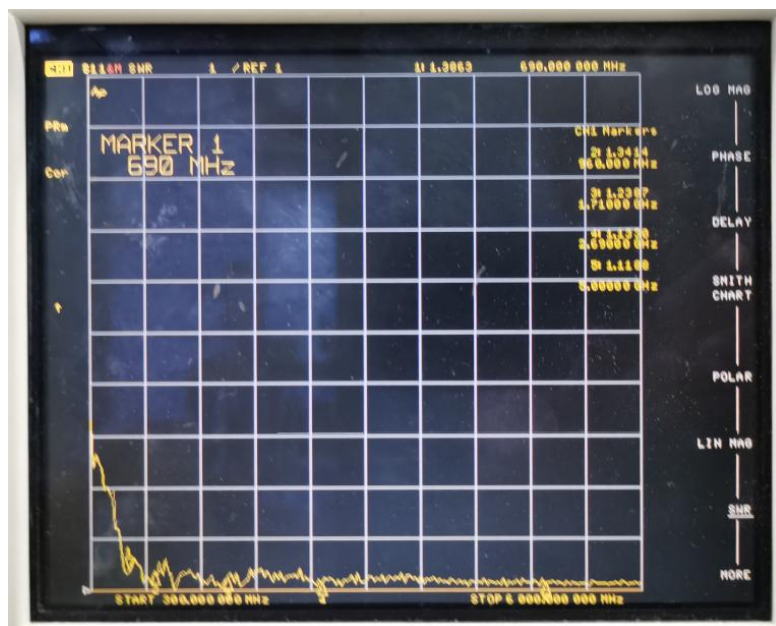
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3080	14.52	-0.51	4520	12.92	-2.24	5960	7.57	-2.42
3090	14.44	-0.42	4530	10.57	-2.9	5970	8.88	-1.52
3100	12.77	-2.2	4540	11.4	-2.09	5980	8.8	-2.42
3110	11.66	-2.76	4550	12.49	-2.1	5990	8.87	-2.67
3120	13.52	-0.4	4560	12.11	-2.09	6000	9.48	-1.99

Return loss



Voltage standing wave ratio





Product structure

