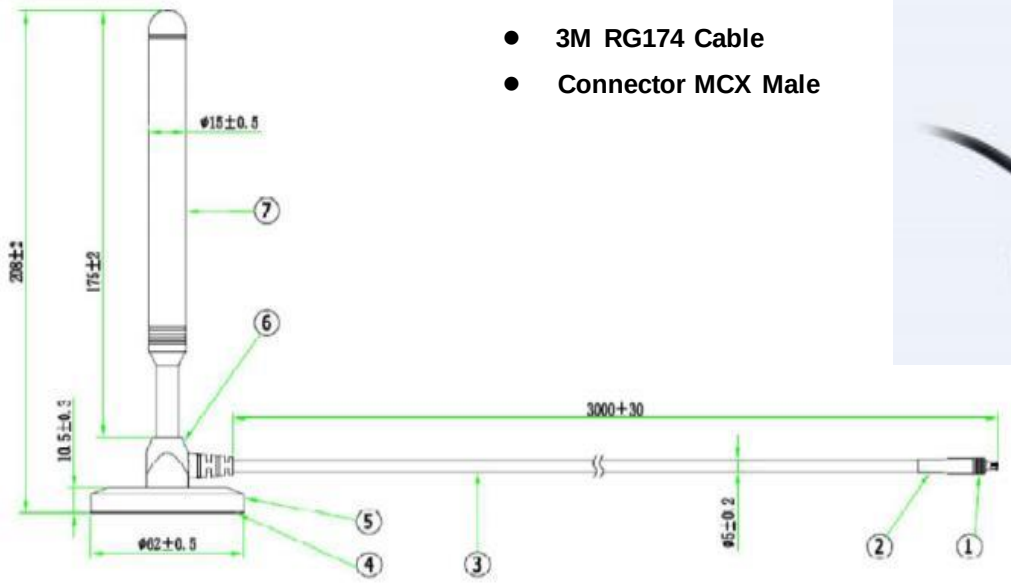
ST-0727-12-MCX-M-3M
Magnetic Antenna

Features:

- 1*690-2700MHz
- 3M RG174 Cable
- Connector MCX Male



Description:

A magnetic antenna is an antenna that can be attached to a metal surface by a magnetic base.

It's usually used in cars, trucks or other vehicles. It can also be used to smart meters to provide better signal reception.

Magnetic antennas usually have strong magnetism to hold the antenna. firmly on the roof surface or equipment,

At the same time, it has good reception performance and signal stability. This antenna is suitable for various wireless communication systems, such as automotive navigation systems,

Car phone system, safety warning system,

Smart home and other wireless network connection

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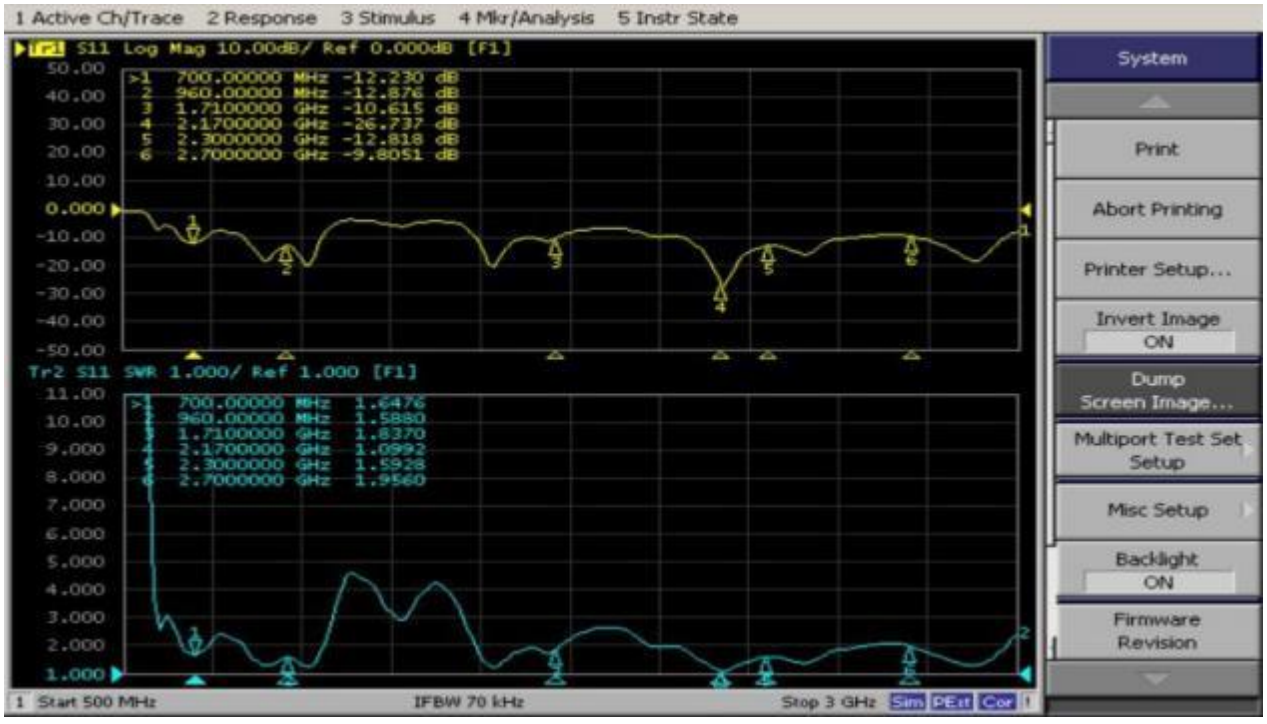
Specification

Electrical Properties			
Frequency Range (MHz)	690–2700		
	690–960	1710–2170	2500–2700
Gain (dBi)	10.5	11	12
Radiation	Omni-Directional		
VSWR	≤2.5		
Polarization	Linear		
Admitted Power	10 Watt		
Connector Type	MCX -Male		
Impedance (Ω)	50		
Grounding	DC Grounding		
Installation	Magnetic Base		
Cable Type	RG174		
Cable length（m）	3		
Radiation Material	Aluminum		
Radome Material	ABS		
Antenna Size（mm）	φ15*175(Magnetic base not included)		
Operating Temp	-20℃~+70℃		

Test Data:

Plot for VSWR/ Return Loss

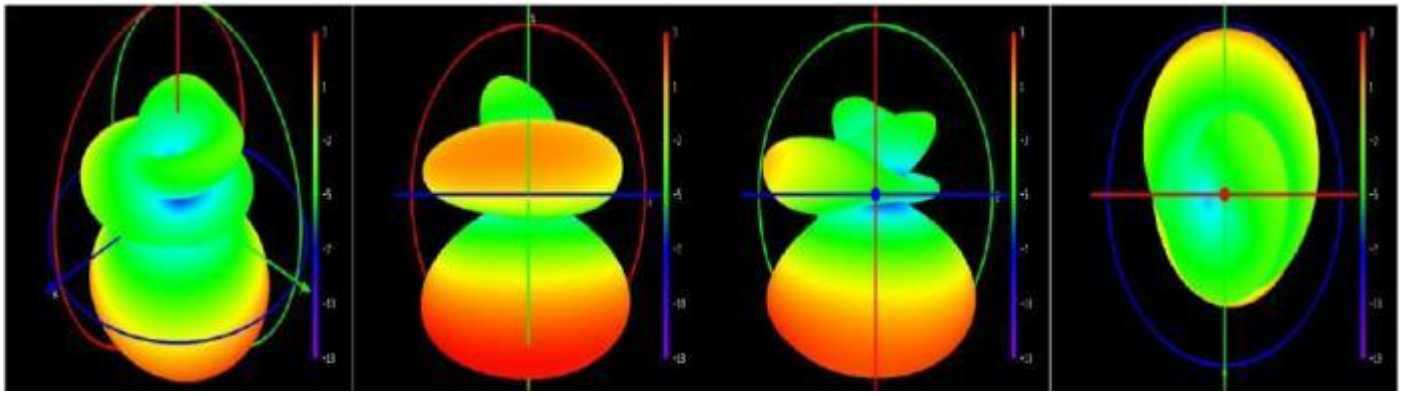


Antenna Gain Test Report

Freq(MHz)	Effi	Gain(dBi)	Freq(MHz)	Effi(%)	Gain(dBi)	Freq(MHz)	Effi	Gain(dBi)
690	56.98	10.5	1700	77.28	11.5	2260	44.79	11.6
700	42.71	10.4	1720	57.43	11.6	2280	64.62	11.2
710	45.56	10.6	1740	62.76	11.4	2300	60.16	11.6
720	47.11	10.4	1760	68.75	11.5	2320	56.09	11.4
730	46.17	10.1	1780	63.48	11.8	2340	64.93	11.3
740	52.8	10.3	1800	60.17	11.6	2360	65.11	11.5
750	47.11	10.6	1820	65.37	11.8	2380	61.73	11.8
760	45.42	10.5	1840	63.06	11.5	2400	60.2	11.7
770	38.1	10.5	1860	59.11	11.3	2420	54.84	12.1
780	27.89	10.4	1880	51.43	11.7	2440	59.54	11.9
790	39.09	10.3	1900	41.16	11.6	2460	57.09	11.8
800	41.59	10.5	1920	46.76	11.3	2480	54.8	12.1
810	38.3	10.8	1940	66.73	11.8	2500	49.05	12.2
820	39.05	10.7	1960	59.43	11.7	2520	50.42	12.3
830	41.18	10.5	1980	57.73	11.5	2540	46.06	12.4
840	51.09	10.4	2000	41.32	11.2	2560	53.67	12.5
850	33.6	10.8	2020	54.49	11.4	2580	43.77	12.3
860	43.73	10.6	2040	55.95	11.5	2600	44.85	12.2
870	46.48	10.3	2060	59.67	11.8	2620	45.75	12.3
880	40.67	10.2	2080	39.03	11.7	2640	49.44	12.3
890	46.7	10.6	2100	48.07	11.9	2660	39.38	12.2
900	55.19	10.3	2120	41.21	12.1	2680	40.46	12.3
910	67.71	10.2	2140	46.18	12.3	2700	44.18	12.3
920	57.37	10.8	2160	40.19	12.1			
930	56.02	10.3	2180	27.9	11.9			
940	65.89	10.8	2200	50.1	11.8			
950	55.97	11.0	2220	55.46	11.7			
960	55.7	11.6	2240	48.41	11.8			

Radiation Pattern

690-960MHz:



1710-2700MHz: