产品型号 Product Model：发射弹簧天线 Transmitting spring antenna

性能参数:Performance Parameters：

1、频率范围：640-690MHZ（Frequency range: 640-690MHZ）

2、输出阻抗：50 欧（Output impedance: 50 ohms）

3、增益：5.15DBI（Gain:5.15DBI）

4、耐压测试：1.2KV（Voltage resistance test:1.2KV）

5、通断测试：通路（Pass-through test: Pass-through）

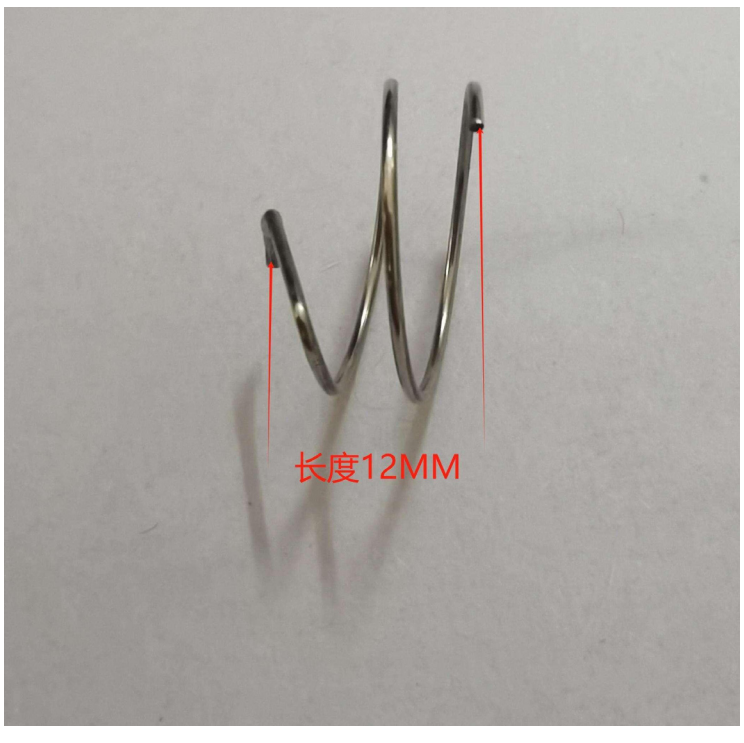
6、极化方式：垂直（Polarization:Vertical）

7、辐射方向：全向 (Direction of radiation: Omni-directional)

机械参数：（Mechanical parameters）

1、规格长度 12MM，直径 16MM，线径 8MM。【Specification Length 12MM(0.47in), Diameter 16MM(0.62in), Wire Diameter 8MM(0.31in)】

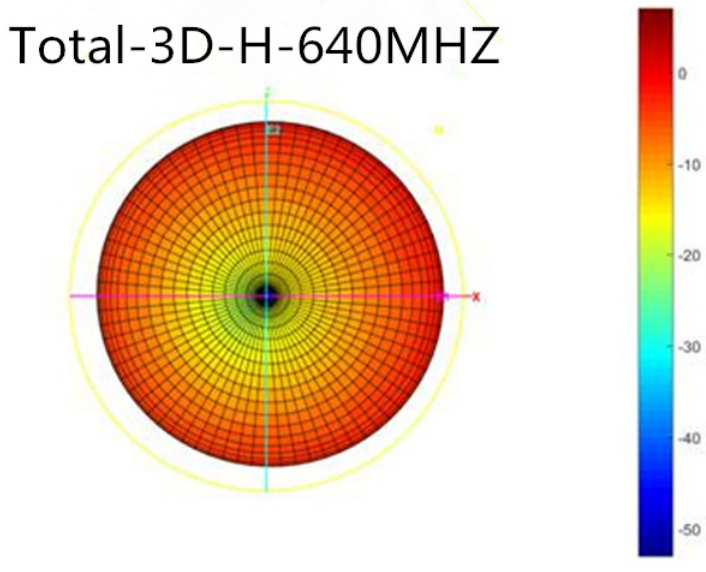
2、天线材料为碳钢，渡镍。(Antenna material is carbon steel, trans-nickel)

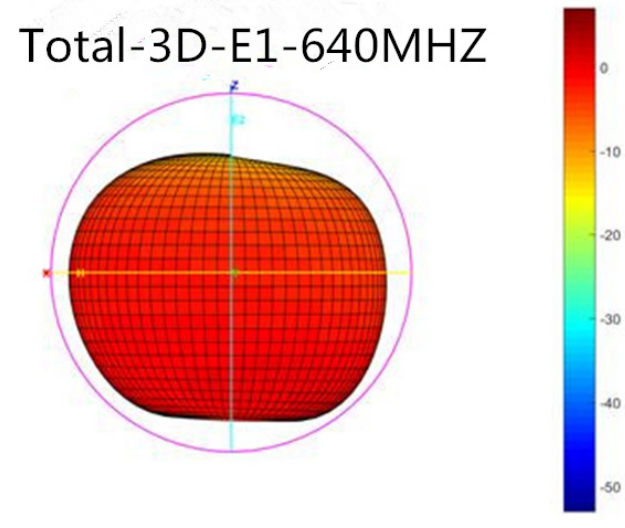


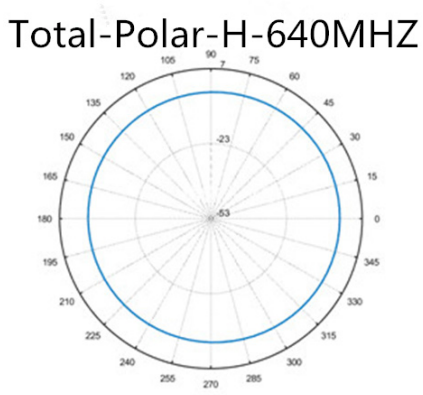
性能参数(Performance Parameter)

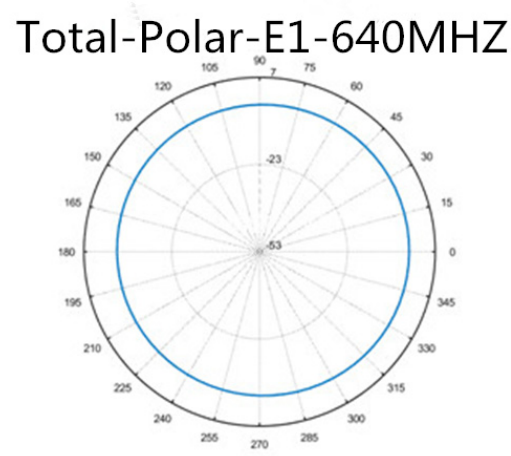
	Frequency	640MHz	665MHZ	690MHz
Horizontal+Vertical				
	Ant. Port Inp. Pow. (dBi)	0	0	0
	Rad. Pow. (dBi)	-3.68	-3.68	-4.05
	Rad. Pow. 0-90 (dBi)	-12.61	-12.61	-13.75
	Rad. Pow. 90-180 (dBi)	-4.91	-4.91	-5.11
	Peak EIRP (dBi)	1.28	1.28	1.18
	Directivity (dBi)	4.96	4.96	5.23
	Efficiency (dB)	-3.68	-3.68	-4.05
	Efficiency (%)	42.85	42.85	39.36
	Gain (dBi)	4.78	4.78	5.15
	NHPRP +/-30 (dBi)	-9.82	-9.82	-10.69
	NHPRP +/-45 (dBi)	-7.39	-7.39	-8.07
	Maximum H+V Value (dBi)	1.28	1.28	1.18
	Maximum H+V @ Theta (deg.)	150	150	150
	Maximum H+V @ Phi (deg.)	210	210	210
	Minimum H+V Value (dBi)	-18.85	-18.85	-19.94
	Minimum H+V @ Theta (deg.)	0	0	60
	Minimum H+V @ Phi (deg.)	60	60	240
Horizontal				
	Ant. Port Inp. Pow. (dBi)	0	0	0
	H Rad. Pow. (dBi)	-3.96	-3.96	-4.36
	H Rad. Pow. 0-90 (dBi)	-13.3	-13.3	-14.57
	H Rad. Pow. 90-180 (dBi)	-5.1	-5.1	-5.33
	H Peak EIRP (dBi)	1.24	1.24	1.13
	H Directivity (dBi)	5.2	5.2	5.49
	H Efficiency (dB)	-3.96	-3.96	-4.36
	H Efficiency (%)	40.18	40.18	36.64
	H Gain (dBi)	1.24	1.24	1.13
	H NHPRP +/-30 (dBi)	-10.25	-10.25	-11.12
	H NHPRP +/-45 (dBi)	-7.77	-7.77	-8.47
	Maximum H Value (dBi)	1.24	1.24	1.13
	Maximum H @ Theta (deg.)	150	150	150
	Maximum H @ Phi (deg.)	210	210	210
	Minimum H Value (dBi)	-22.97	-22.97	-24.66
	Minimum H @ Theta (deg.)	180	180	180
	Minimum H @ Phi (deg.)	300	300	120
	Vertical			
	Ant. Port Inp. Pow. (dBi)	0	0	0
	V Rad. Pow. (dBi)	-15.63	-15.63	-15.67
	V Rad. Pow. 0-90 (dBi)	-20.94	-20.94	-21.36
	V Rad. Pow. 90-180 (dBi)	-18.65	-18.65	-18.08
	V Peak EIRP (dBi)	-9.1	-9.1	-8.66
	V Directivity (dBi)	6.53	6.53	7.01
	V Efficiency (dB)	-15.63	-15.63	-15.67
	V Efficiency (%)	2.74	2.74	2.71
	V Gain (dBi)	-9.1	-9.1	-8.66
	V NHPRP +/-30 (dBi)	-20.16	-20.16	-20.99
	V NHPRP +/-45 (dBi)	-18.07	-18.07	-18.65
	Maximum V Value (dBi)	-9.1	-9.1	-8.66
	Maximum V @ Theta (deg.)	120	120	120
	Maximum V @ Phi (deg.)	120	120	120
	Minimum V Value (dBi)	-27.15	-27.15	-35.48
	Minimum V @ Theta (deg.)	0	0	120

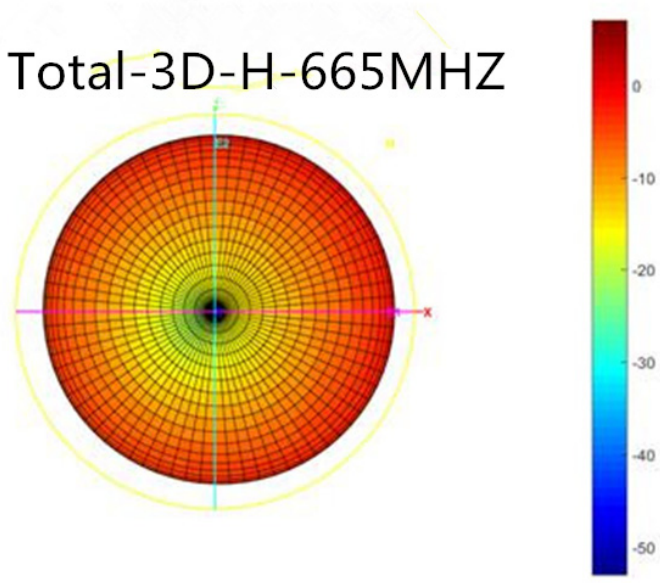
Minimum V @ Phi (deg.)

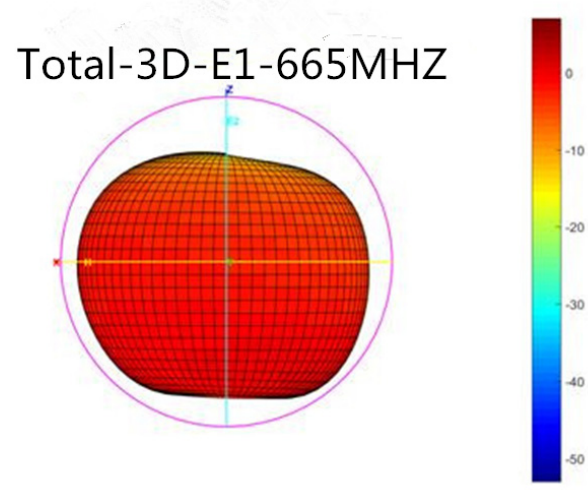




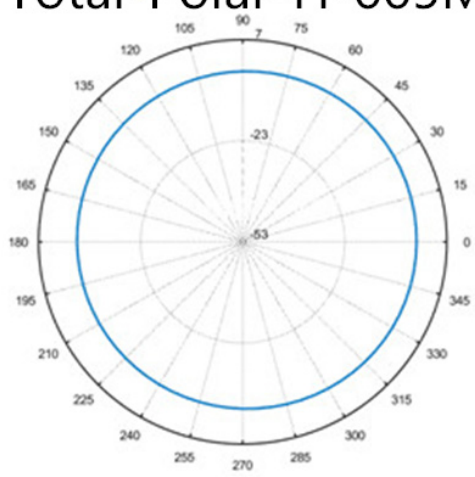








Total-Polar-H-665MHZ



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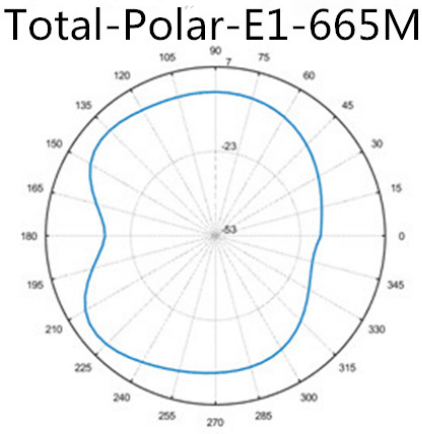

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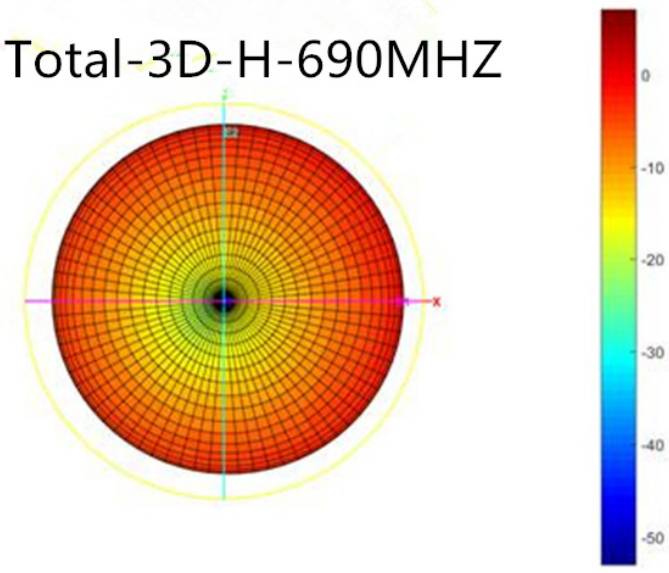

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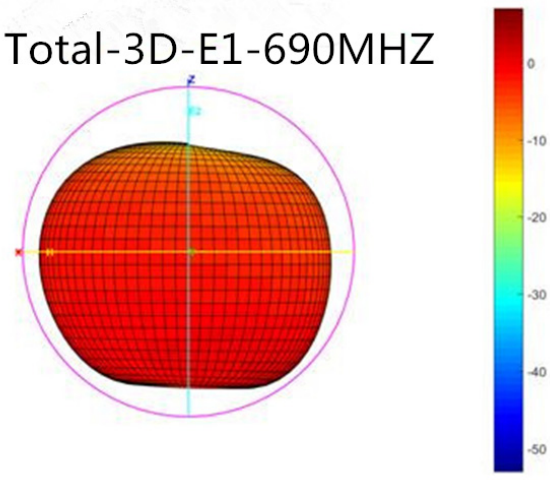

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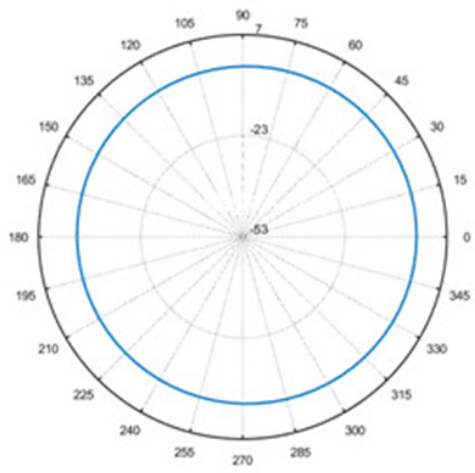
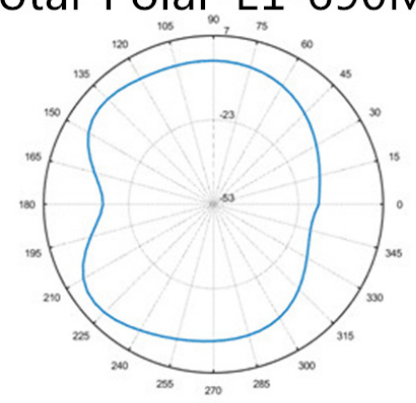
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