



915MHz FPC BUILT-IN ANTENNA

TECHNICAL DATA SHEET

TX915-FPC-7020

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CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNAS



TX915-FPC-7020

NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX915-FPC-7020	Omni Antenna
02	Material	FPC	
03	Connector Type	IPEX-1	
04	Antenna Colour	Black	
05	Overall Size	70*20mm	
06	Cable Length	121mm	Cable Customizable
07	Weight	1g	
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	915MHz	900~940MHz
02	Antenna Gain	1.5dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Max Input Power	2W	
07	S.W.R.	≤2.0	
NO.	ENVIRONMENTAL SPECIFICATIONS	VALUE	COMMENT
01	Operation Temperature	-30°C ~ +75°C	
02	Storage Temperature	-30°C ~ +75°C	
03	RoHS Compliant	YES	

MECHANICAL DRAWING

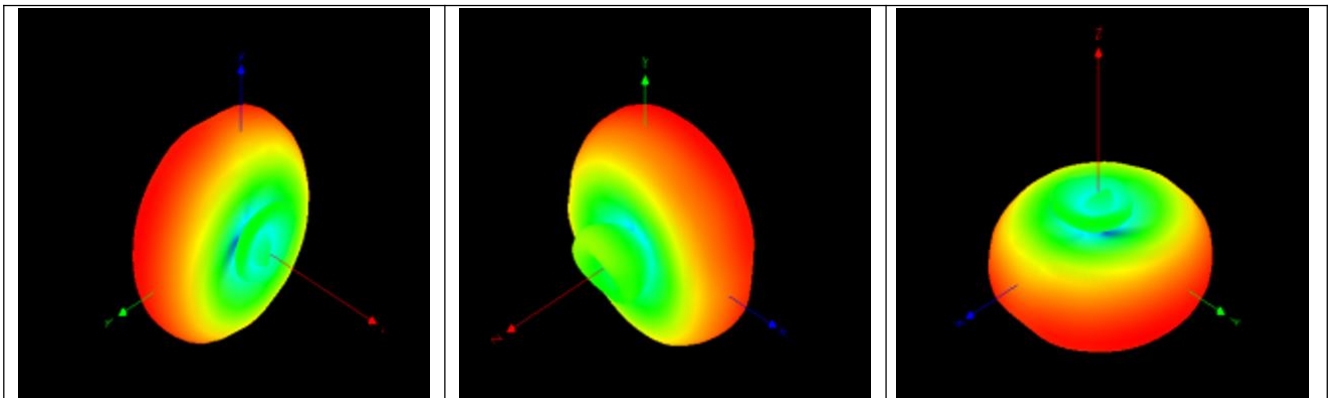


UNIT: mm

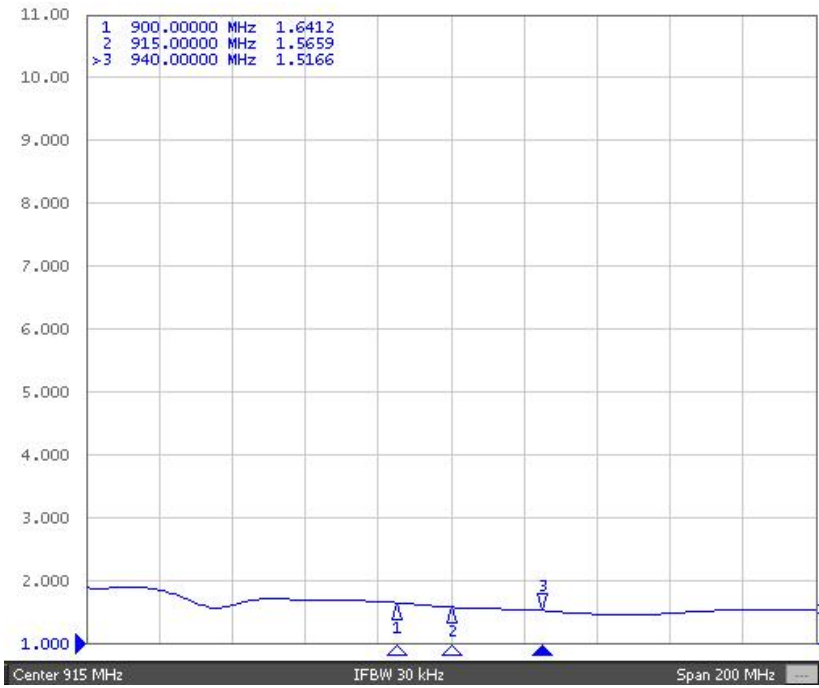
Efficiency/ Gain Test

Freg (MHz)	Effi (%)	Gain (dBi)
900MHz	45.1	0.6
905MHz	46.9	0.8
910MHz	48.7	1.32
915MHz	49.10	1.5
920MHz	47.7	1.41
925MHz	46.5	1.32
930MHz	45.9	1.24
935MHz	46.8	1.32
940MHz	45.1	1.19

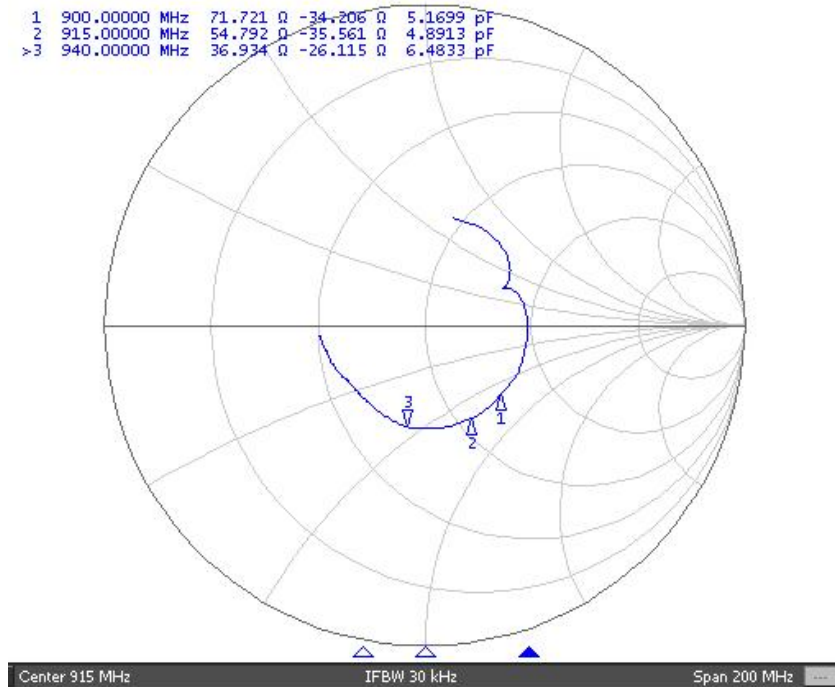
Radiation Pattern



S. W.R.



SMITH



Note: Antenna exposed in air test data

DISCLAIMER

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