

Specification For Approval

Date: 2023 / 06 / 30

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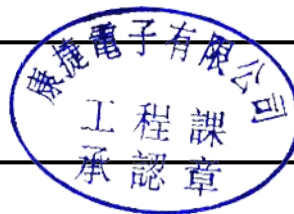
Version: 1.0

Customer : U00431

Customer P/N : /

INVAX P/N : DS0753-3801NM

Description : 703 ~ 803 MHz Antenna



Cortec Checked By:

RD
2023.06.30
SF

Customer Approved By:



INVAX System Technology Corp.
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<http://www.cortec.com.cn>

Product Number: DS0753-3801NM
 Product Name: Omni directional fiberglass antenna



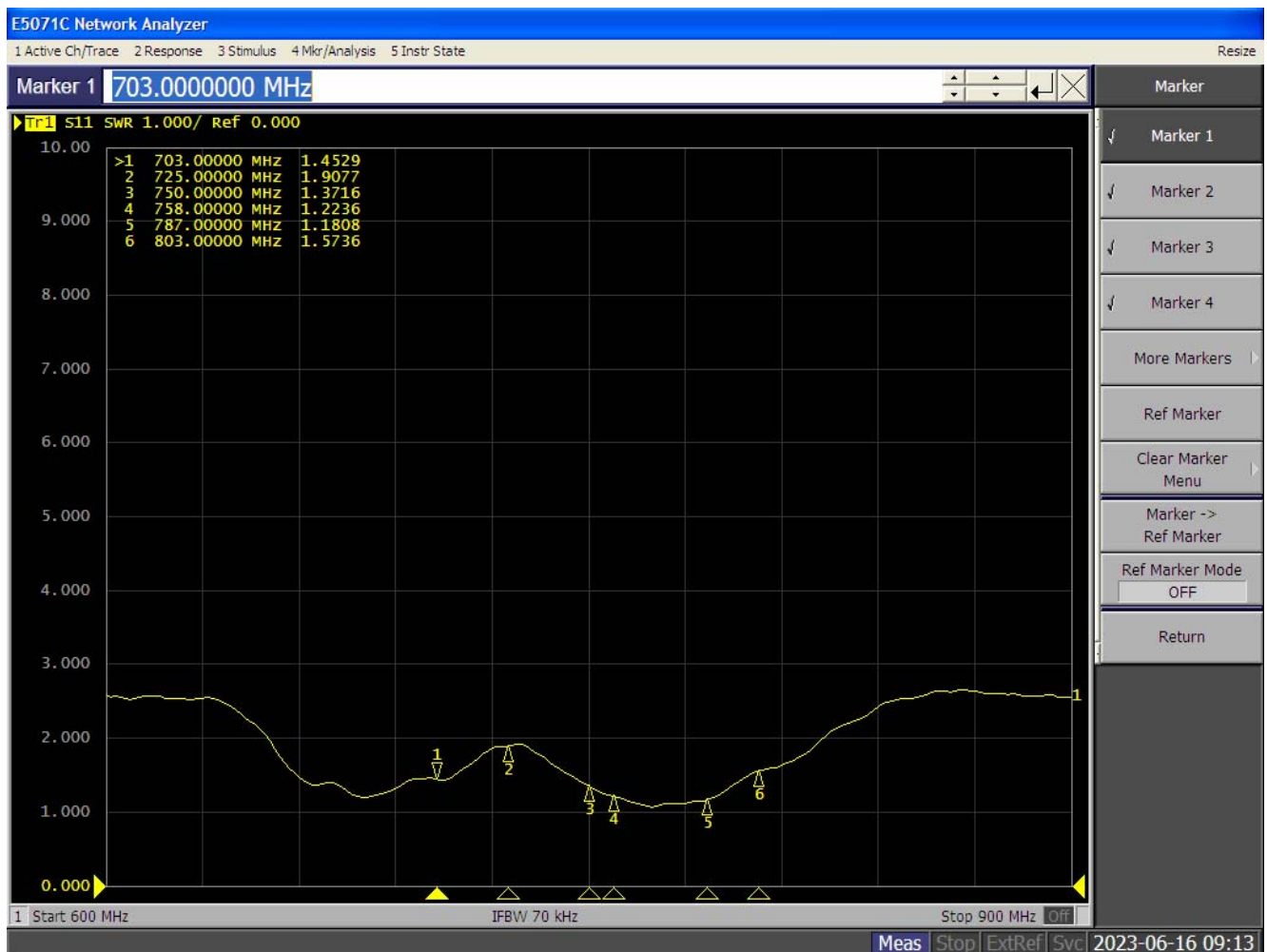
1. Specification

Sample Photo	
	
Electrical Characteristics	
Frequency	703 ~ 803 MHz
Center frequency point	750MHz
V.S.W.R.	≤ 2.0
Peak Gain	9 dBi
Radiation Patter	Omni-Directional
Horizontal lobe width	360°
Vertical lobe width	10°
Polarization	Vertical
Lightning protection	DC Grounded
Max Input Power	100W
Impedance	50 Ohm
Connector Type	N Male
Product Material	Fiberglass
Installation mode	Pole
Strut diameter	Ø30~Ø50mm
Mechanical parameter	
Antenna size	Φ 38x1300mm
Weight	750g
Operation Temperature	- 40 °C ~ + 80 °C
Wind strength	60m/s

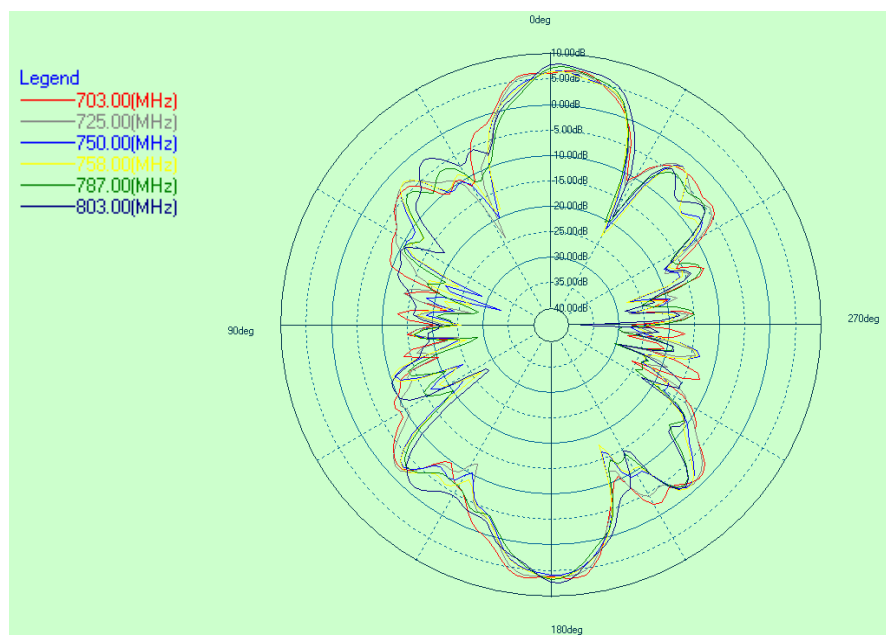
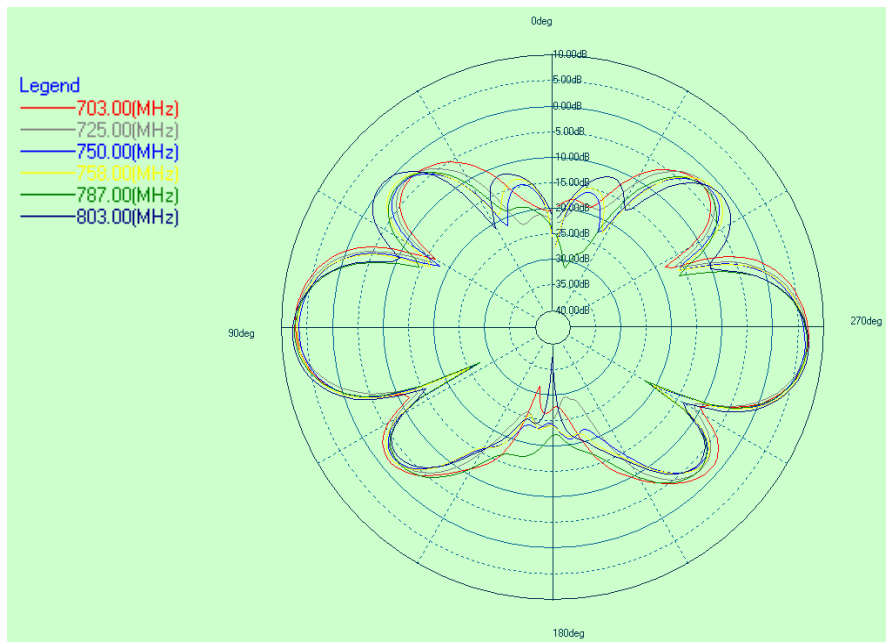
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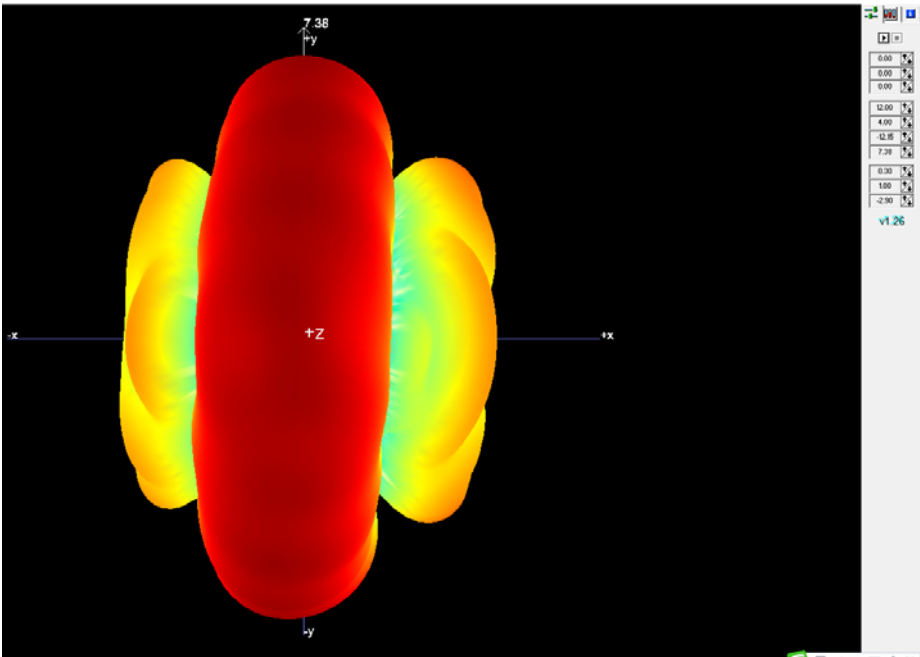
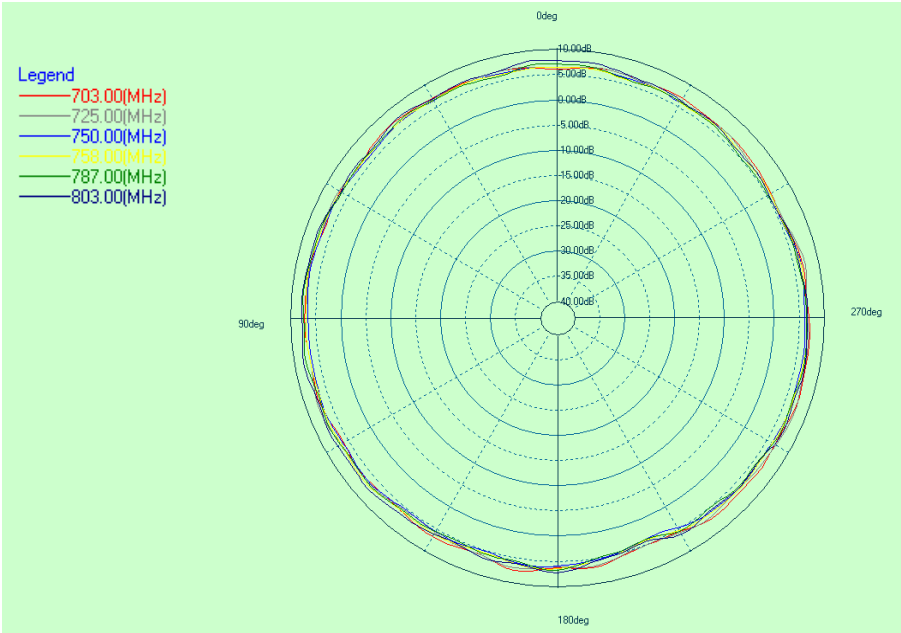


2. V.S.W.R



5. Radiation Pattern





Antenna			
Freq(MHz)	Efficiency	Average . dBi	Peak. dBi
703.00	91.82%	-0.37	7.68
725.00	85.18%	-0.70	7.76
750.00	78.42%	-1.06	7.06
758.00	82.16%	-0.85	7.38
787.00	78.88%	-1.03	7.80
803.00	91.63%	-0.38	8.29