GPS+BDS ROD ANTENNA

TECHNICAL DATA SHEET

TXGB-JK-11P



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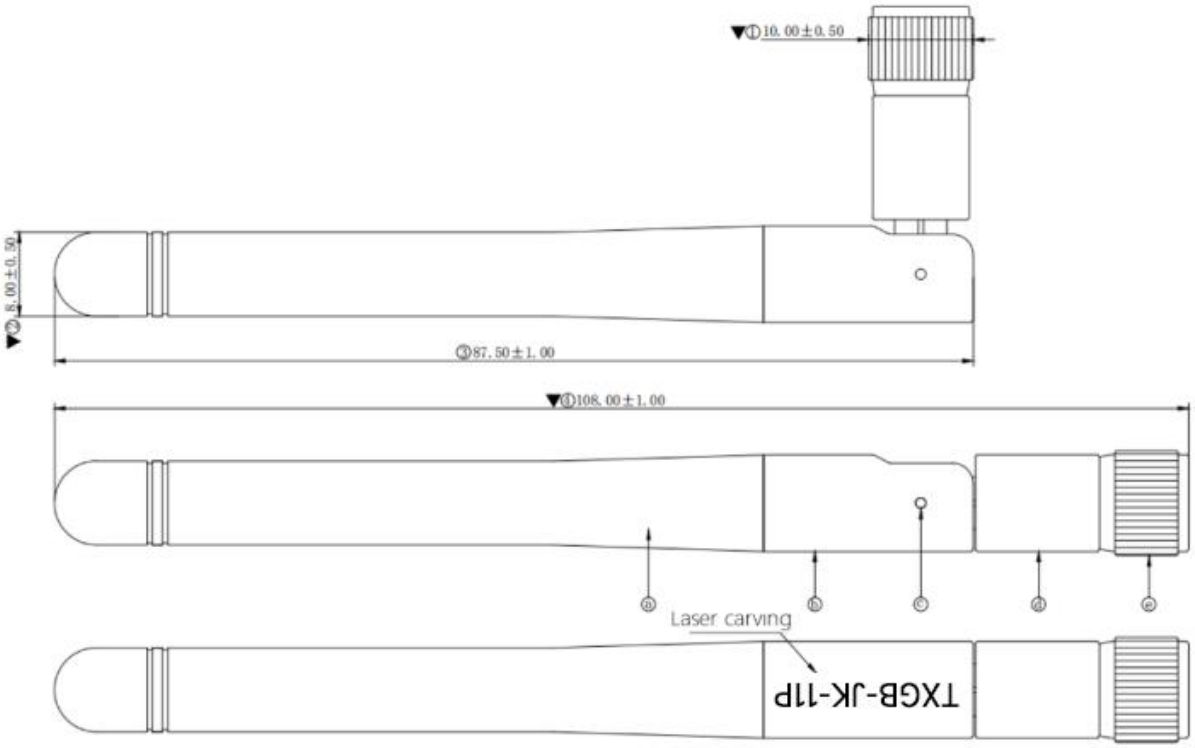
TXGB-JK-11P

NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TXGB-JK-11P	GPS+BDS Rod Antenna
02	Material	TPEE	
03	Material of Radiator	Copper	
04	Connector Type	SMA Male	
05	Antenna Colour	Black	
06	Overall Length	110mm	OD10mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	8g	±1g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	GPS+BDS	1561~1575MHz
02	Antenna Gain	3.5dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Power Standing	10W	
07	S.W.R.	≤2.0	
NO.	ENVIRONMENTAL SPECIFICATIONS	VALUE	COMMENT
01	Operation Temperature	-30℃ ~ +75℃	
02	Storage Temperature	-30℃ ~ +75℃	
03	RoHS Compliant	YES	

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MECHANICAL DRAWING



UNIT: mm

ITEM	PART NAME	QUANTITY	MATERIAL / FINISH
a	Shell	1	TPEE Black
b	Connector	1	SMA Male Nickel plated

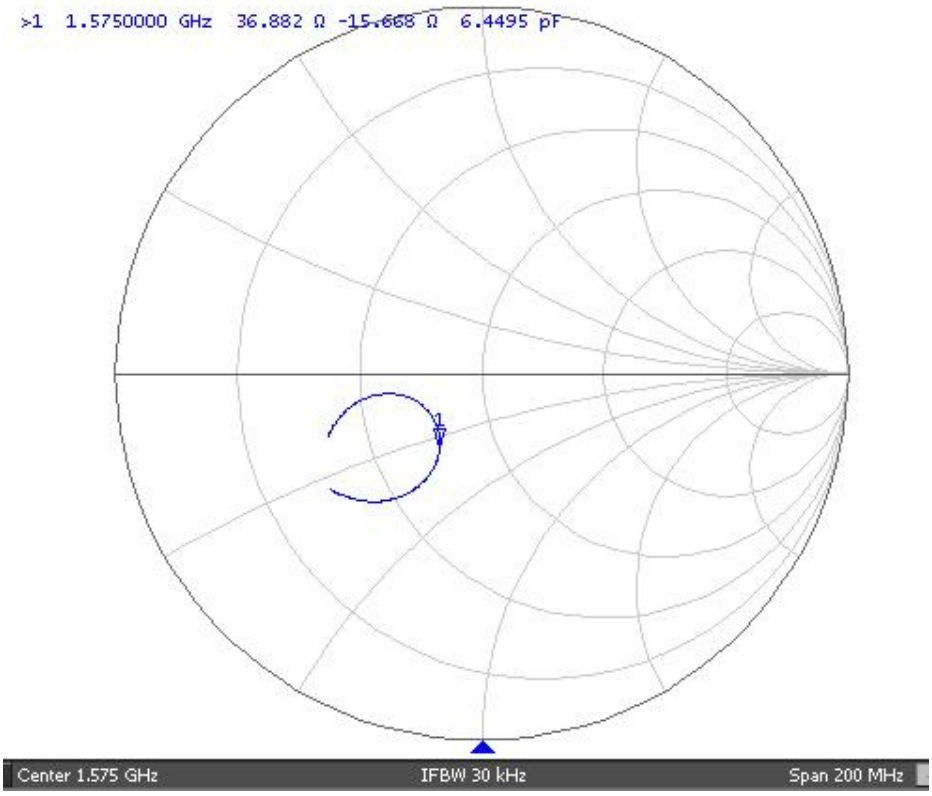
S.W.R.

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SMITH



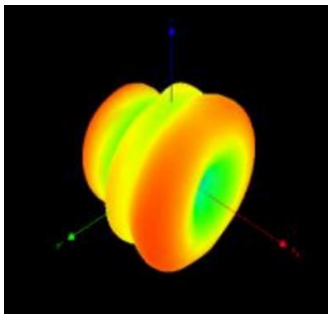
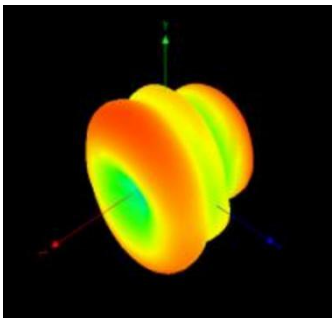
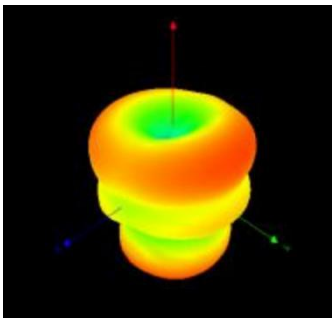
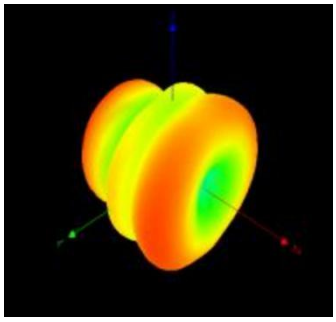
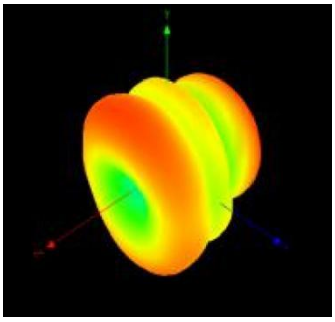
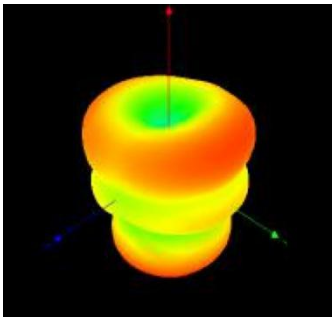
EFFICIENCY/GAIN TEST

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No.	Frequency Hz	Efficiency %	Gain dBi
01	1561M	55.12	2.54
02	1563M	56.32	2.84
03	1565M	57.02	3.07
04	1567M	56.62	2.92
05	1569M	55.59	2.83
06	1571M	55.21	2.88
07	1573M	55.72	2.94
08	1575M	56.36	2.87
09	1577M	54.08	2.66
10	1579M	52.60	2.56
11	1581M	52.72	2.59
12	1583M	53.46	2.67
13	1585M	52.60	2.63

RADIATION PATTERN

1561MHz			
1575MHz			

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