



RBC150/450/758

Tri-Band Antenna

The RFMAX RBC150/450/758 is a Tri-band Whip antenna with a spring base designed for the Motorola APX8500™ and Harris Unity XG™ All-band P25 Radios. It is equivalent to the PCTEL PCTWSLMR and Motorola AN000131A01 all-band MONOPOLE antenna and operates over 150-174MHz, 430-520MHz & 750-870MHz offering a gain of 0dBi/5dBi/4dBi respectively. Virtually unbreakable in the field.



Omnidirectional antenna

- No Trimming, No Tuning
- VHF:150-174 MHz
- UHF: 430-520 MHz
- 7/800: 750-870 MHz
- Flexible Spring, Impact Resistant
- Connector NMO (Pogo contact)
- Fits on Existing NMO Mount
- Patent Pending

These antennas have standard NMO / New Motorola mounting. NMO cable kits are sold separately. This antenna survives low hanging obstacles MUCH better than the AN000131A01 (PCTWSLMR).



Public Safety

ELECTRICAL DATA

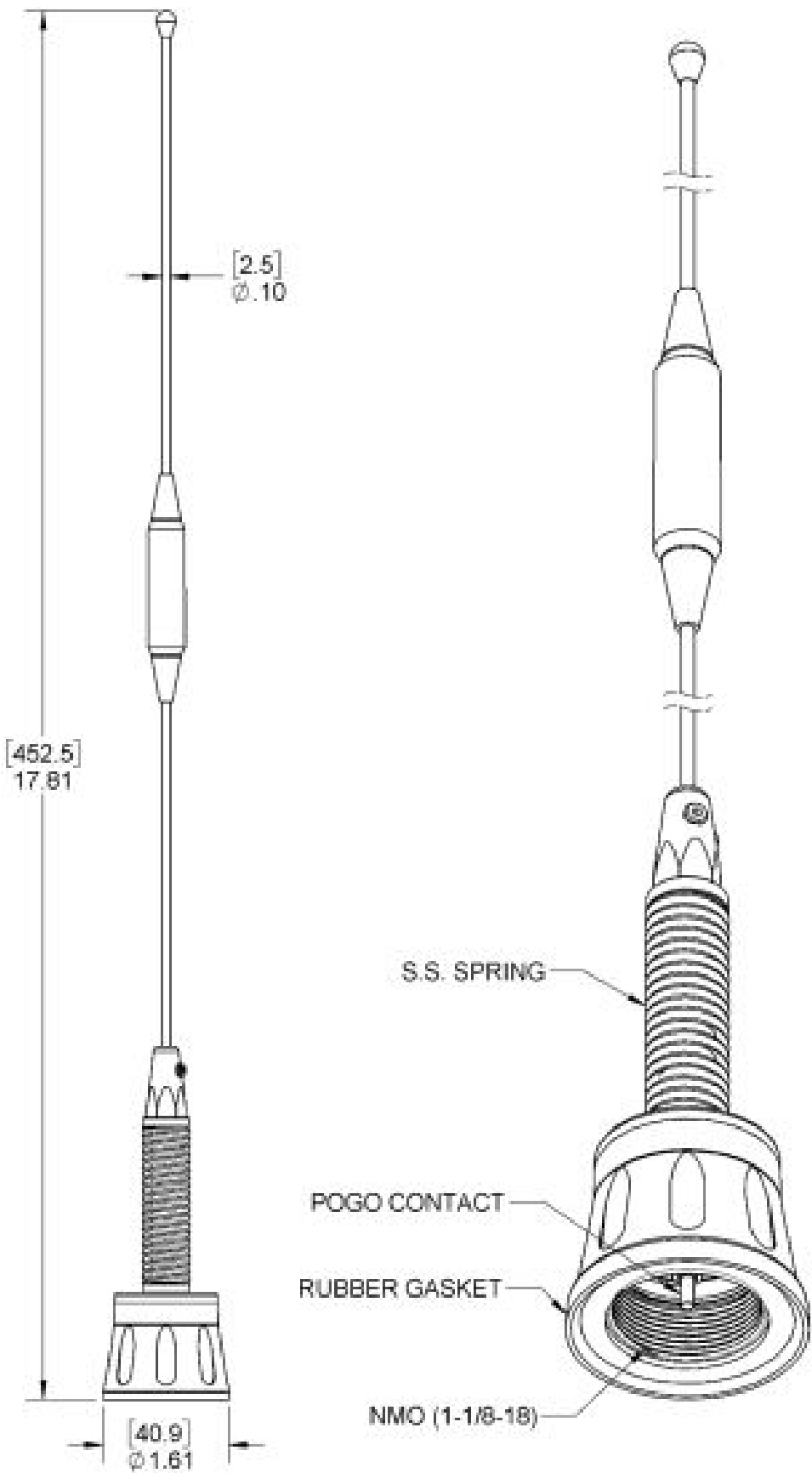
Antenna type	Tri Band Monopole, Measured on Ø52" (1.32m) Ground plane
Frequency	150-174/430-520/750-870 MHz
Nominal Impedance	50 Ohms
VSWR	VHF: 150-165 MHz <2:1
	VHF: 165-174 MHz <2.5:1
	UHF: 430-490 MHz <2:1
	UHF: 490-520 MHz <2.5:1
	7/800: 750-870 MHz <2:1
Gain	0/5/4 dBi
Efficiency	60/70/70 %
Radiation Pattern	Omni
Polarization	Vertical
Power withstanding	100 W
Connector type	NMO (Pogo contact)

MECHANICAL SPECIFICATIONS

Color/Material	Black Base, Stainless Steel Whip
Weight	0.45 lbs.
Height	17.81 Inches

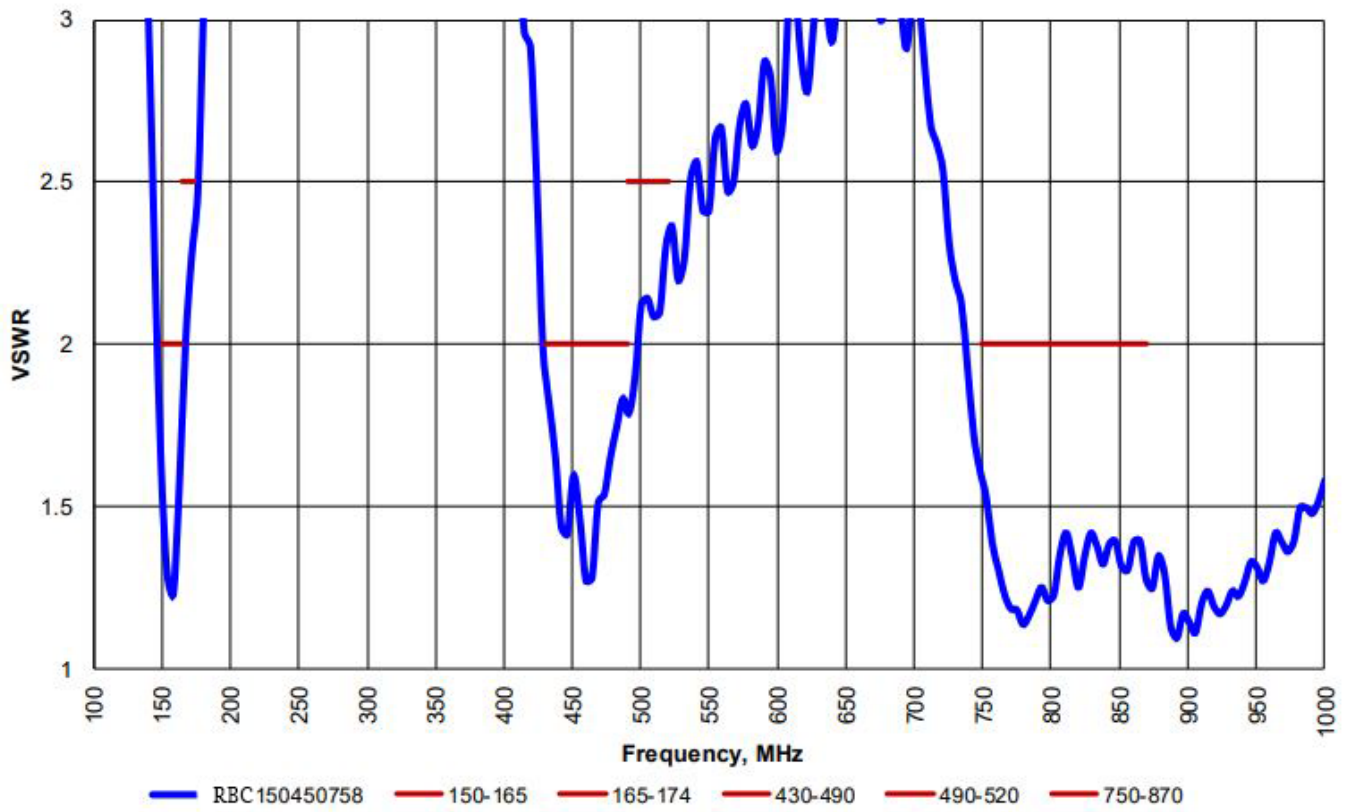
ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40 ~ +85°C
RoHS Compliant	Yes



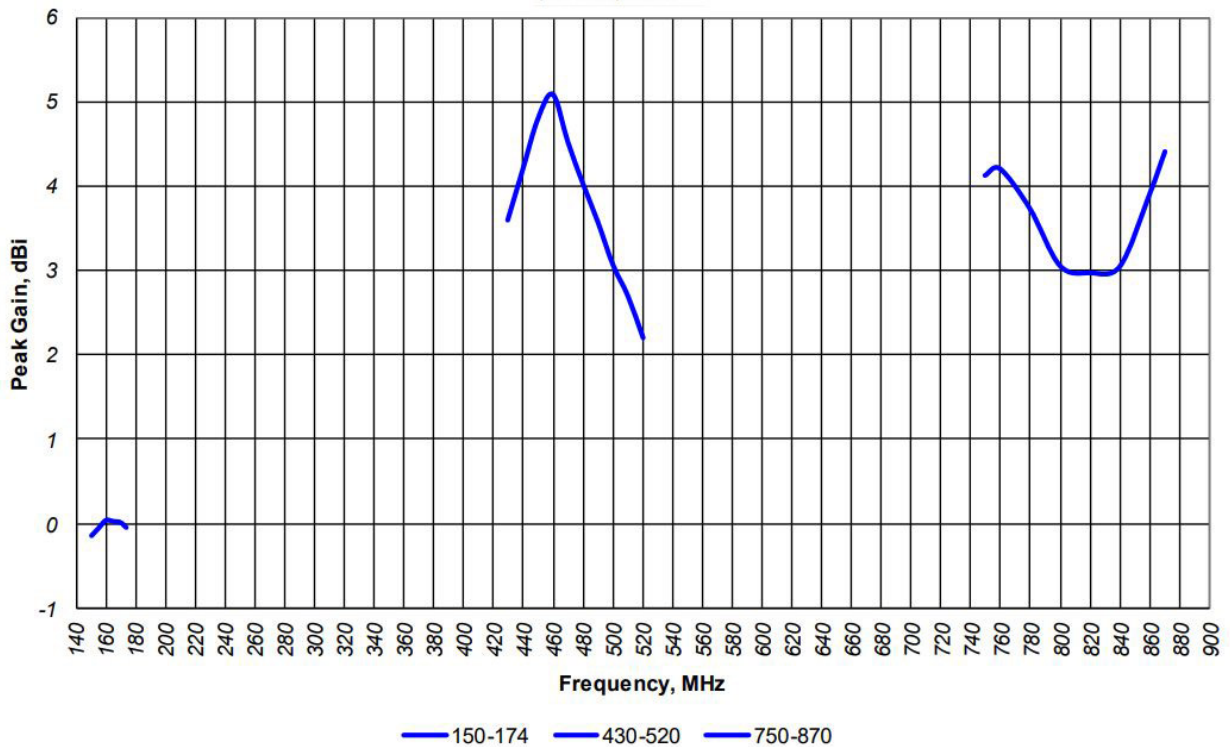
All Dimensions
are in mm / inches

VSWR vs Frequency
 Measured with 17ft cable on Ø52" GP

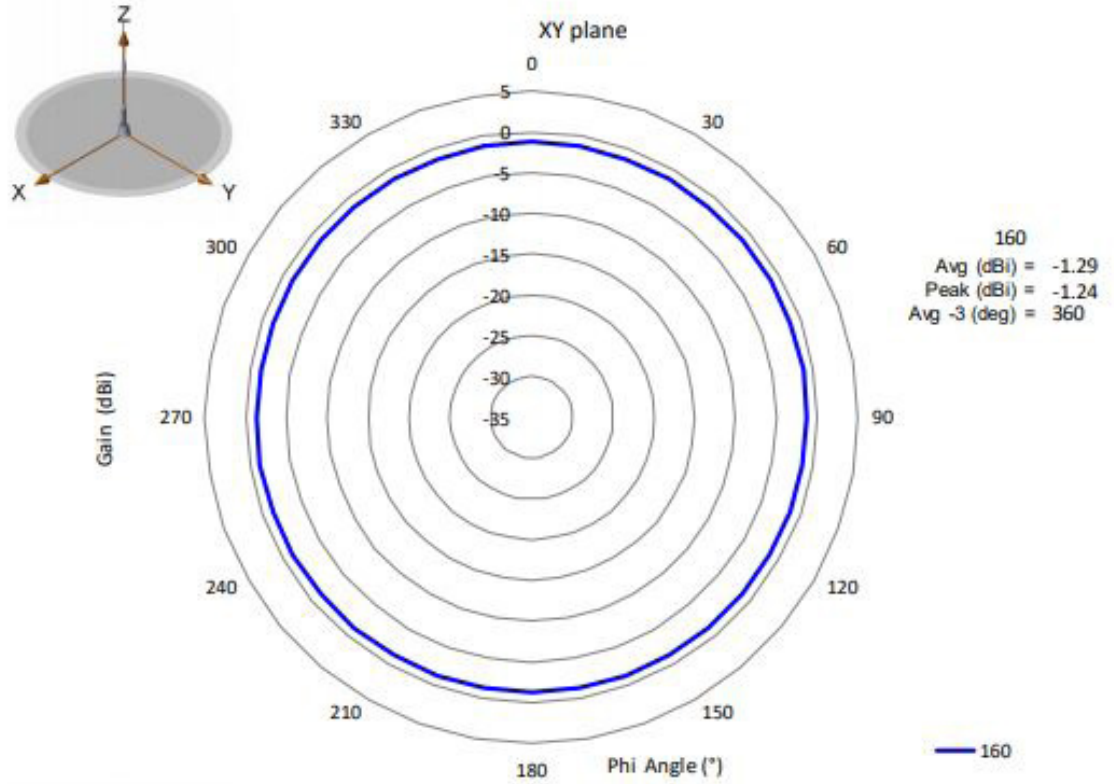


Peak Gain vs Frequency

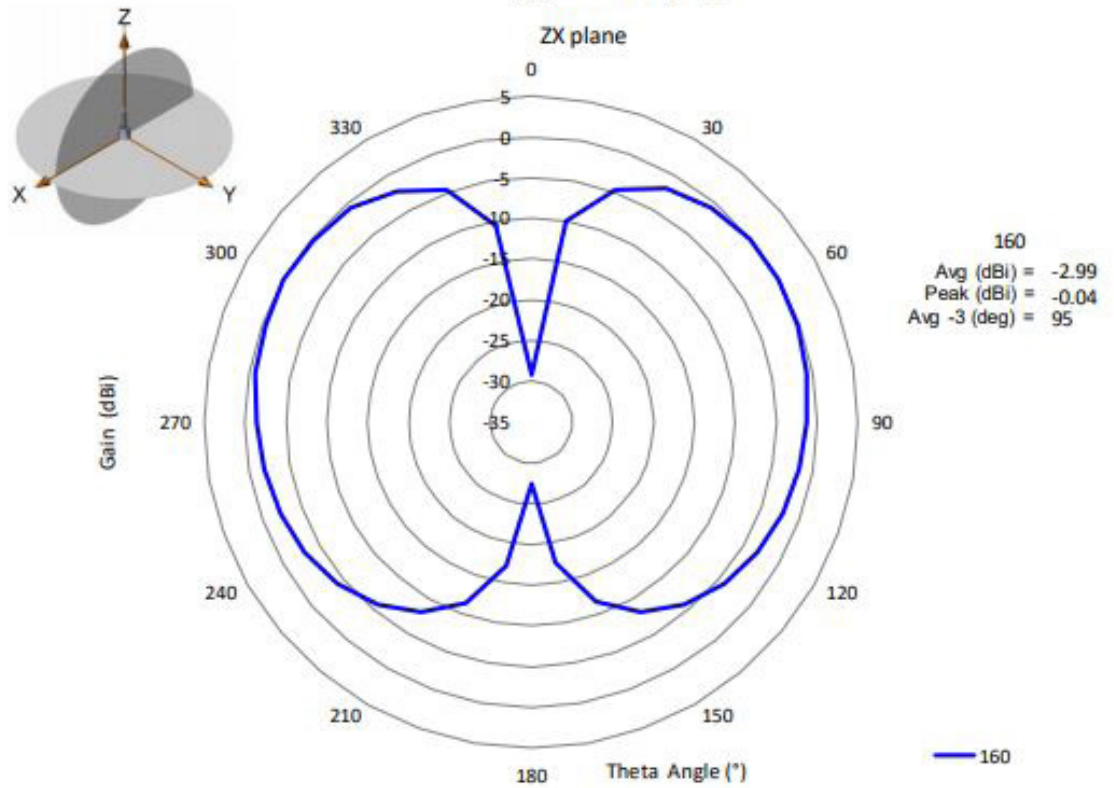
Measured with 6"
 (152mm) cable



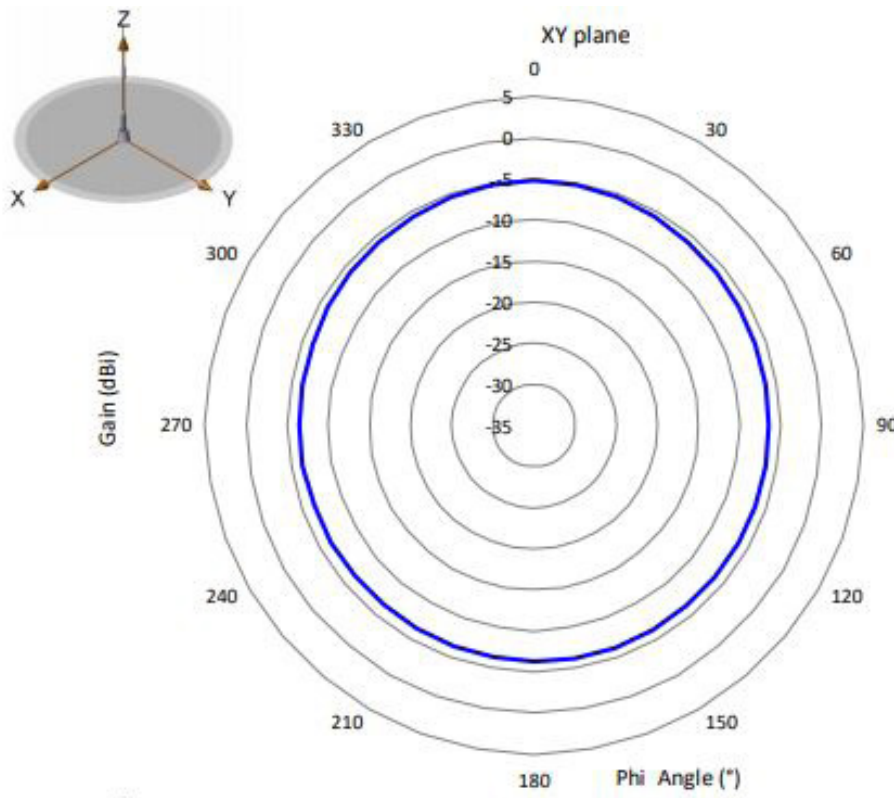
160MHz
 Measured with 6"
 (152mm) cable



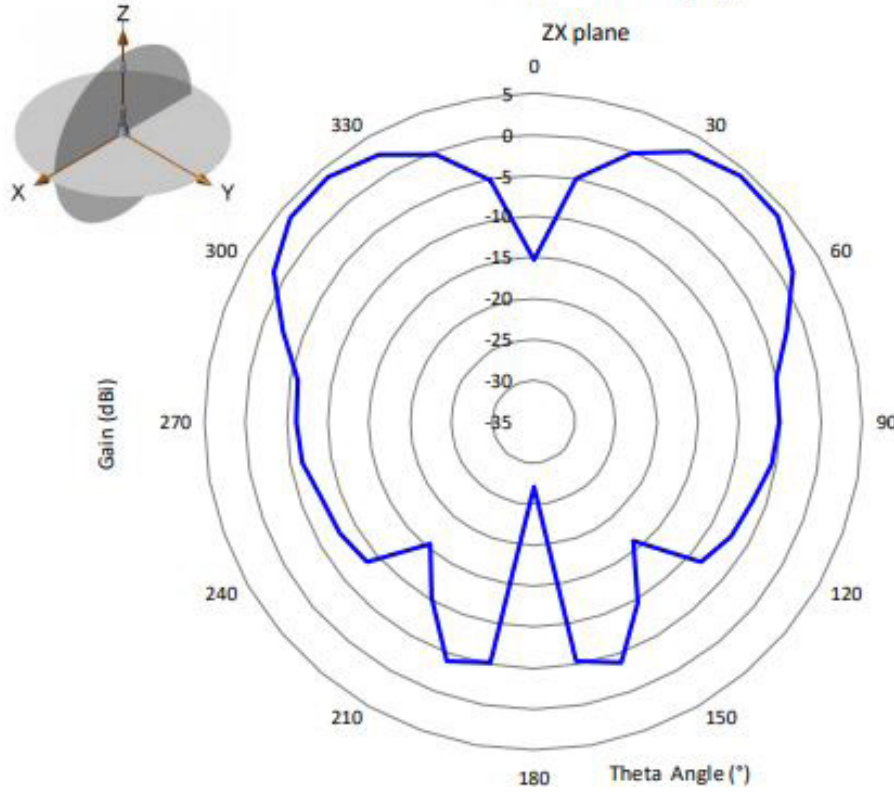
160MHz
 Measured with 6"
 (152mm) cable



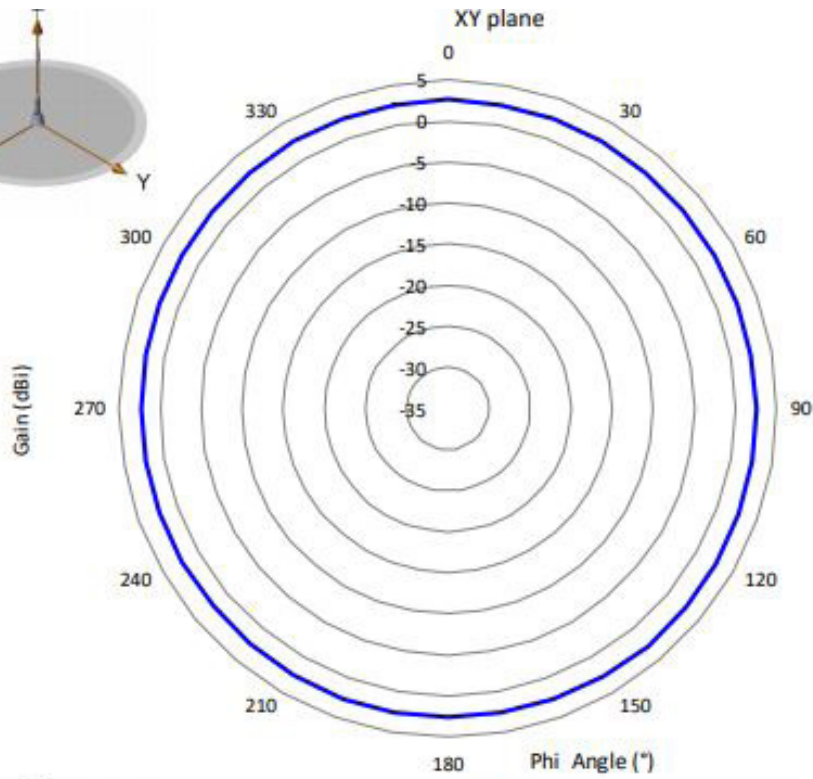
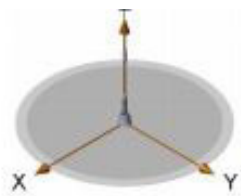
460MHz
 Measured with 6"
 (152mm) cable



460MHz
 Measured with 6"
 (152mm) cable



800MHz
 Measured with 6"
 (152mm) cable



800MHz
 Measured with 6"
 (152mm) cable

