



SPECIFICATION

5G NTN – L Band Patch Antenna



Model No. : UPH5NL02



1. General Description

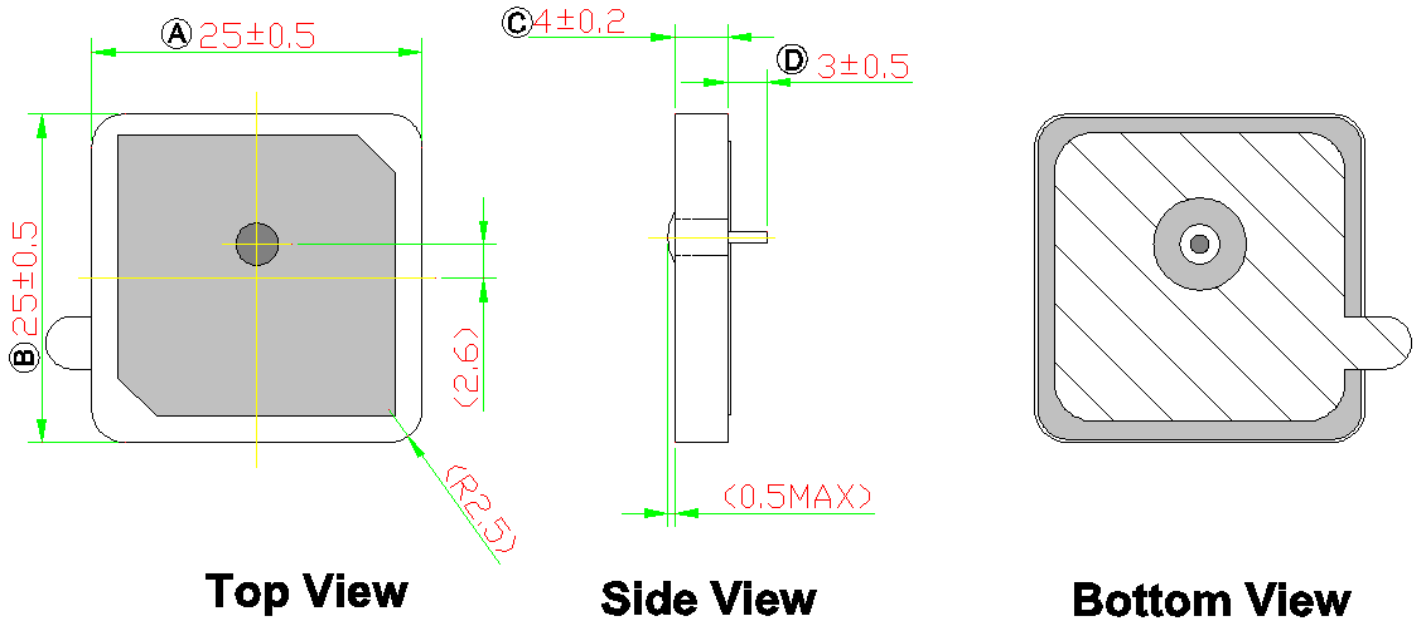
1.1 Electrical Properties

Parameter	Description
Application	5G NTN - L band
Frequency Band	1525~1559 MHz 1626~1660 MHz
Nominal Impedance	50 Ohm
Polarization	RHCP
※With 70 x 70 mm GND Plane	

1.2 Mechanical Properties

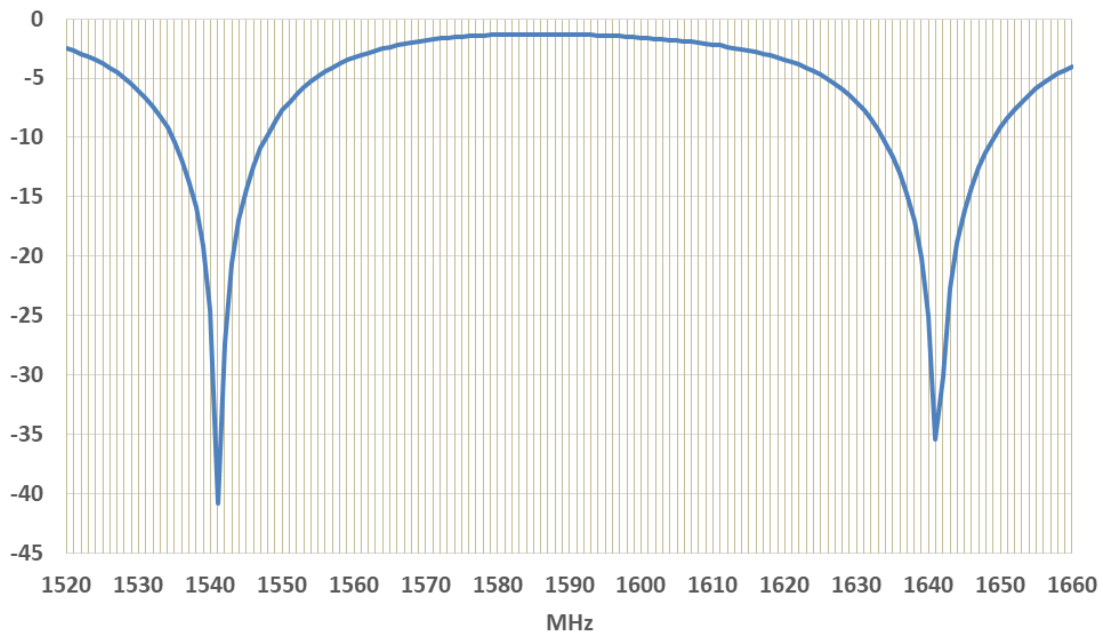
Parameter	Description
Dimension	25×25×4 mm
Operating Temperature	-40°C~+85°C
Storage Temperature (With Packing Sealed)	-5°C~+40°C

2. Appearance (Unit : mm)



3. Performance

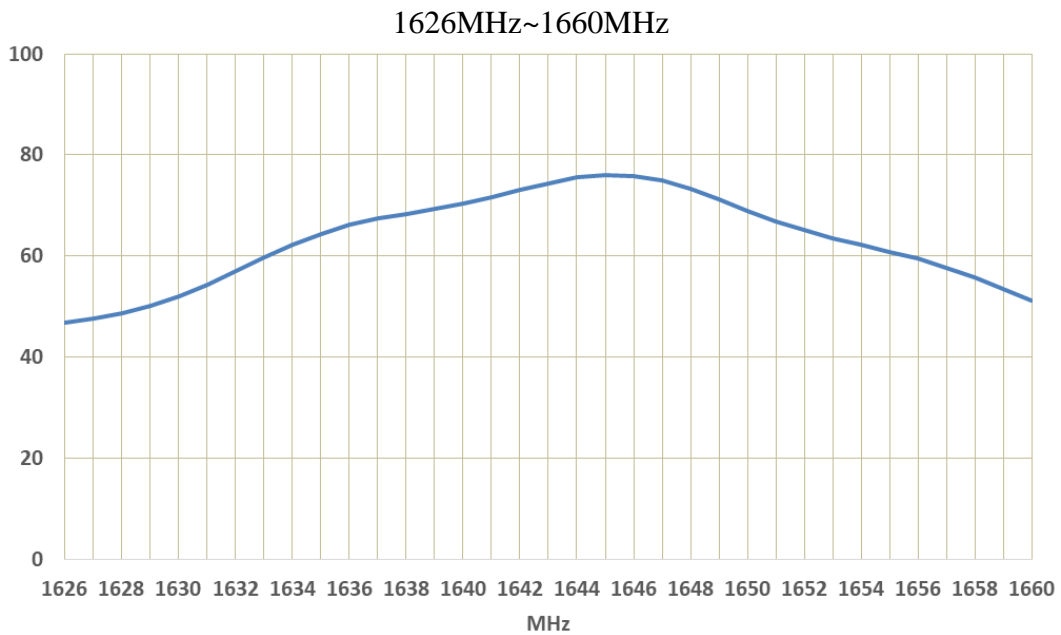
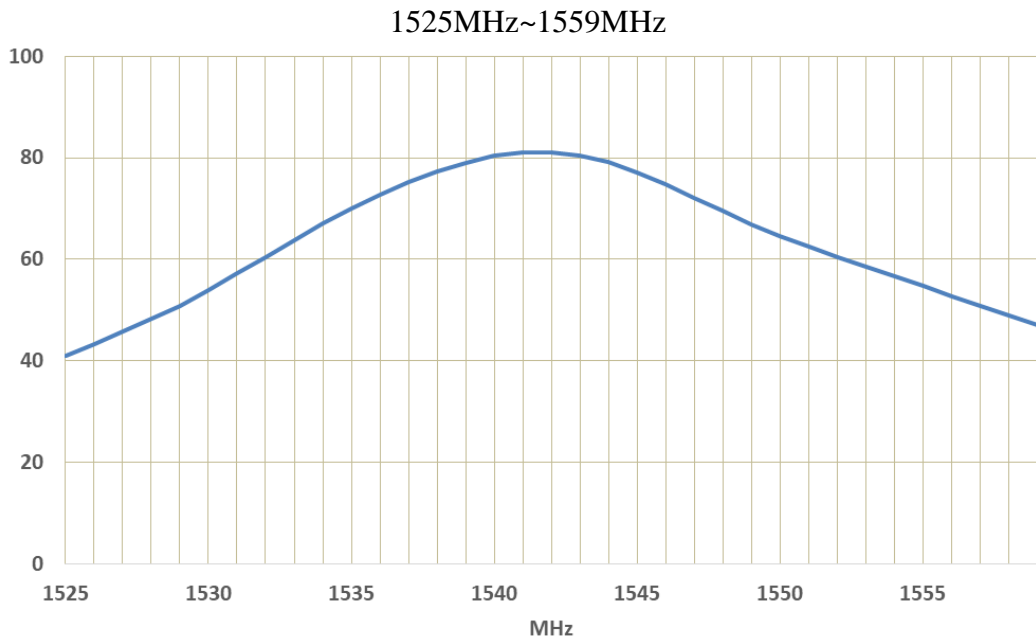
3.1 Return Loss (dB)





3.2 Efficiency (%)

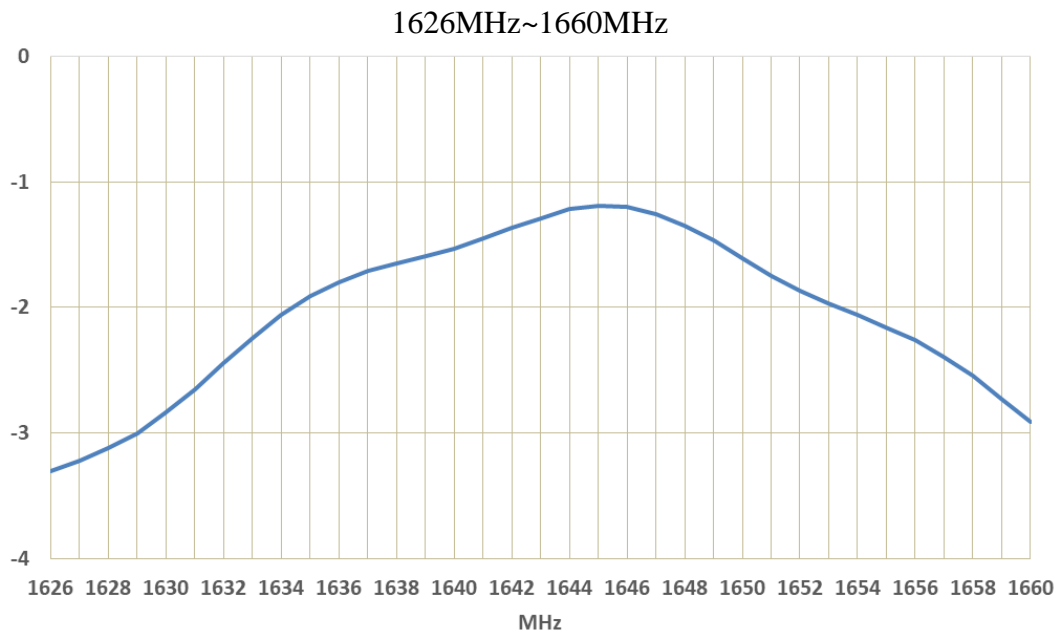
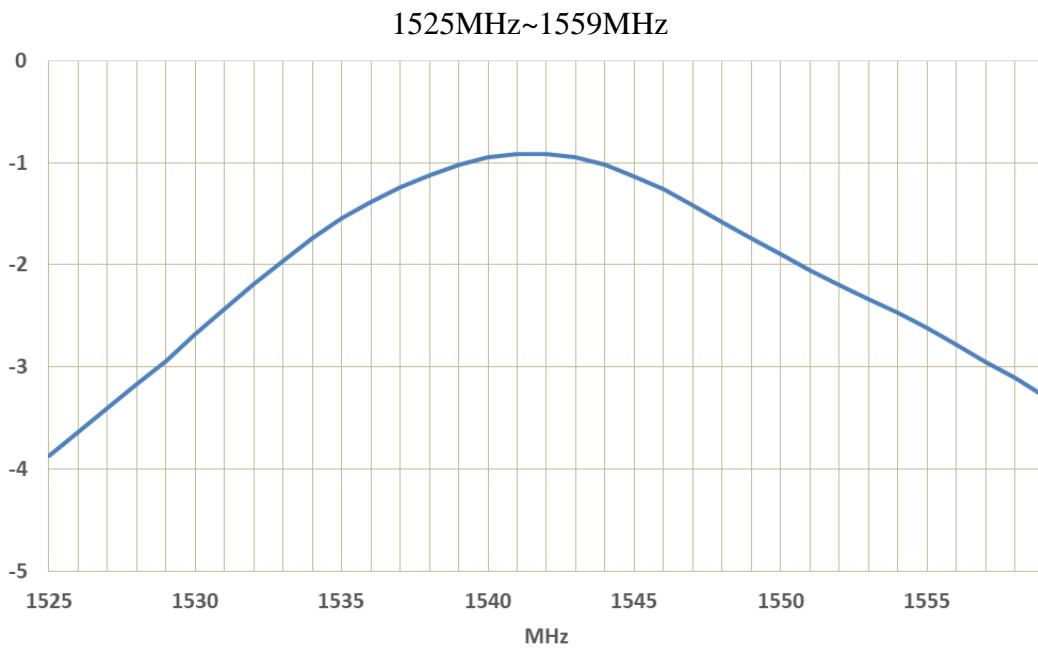
Frequency	1542 MHz	1643 MHz
Efficiency	81.1 %	74.4 %





3.3 Average Gain (dBi)

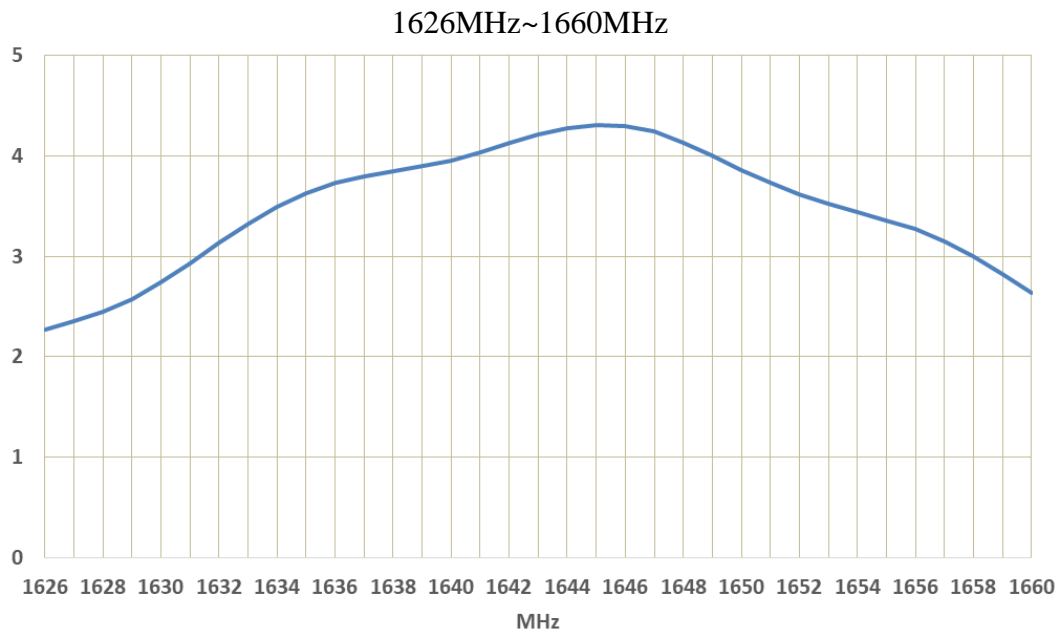
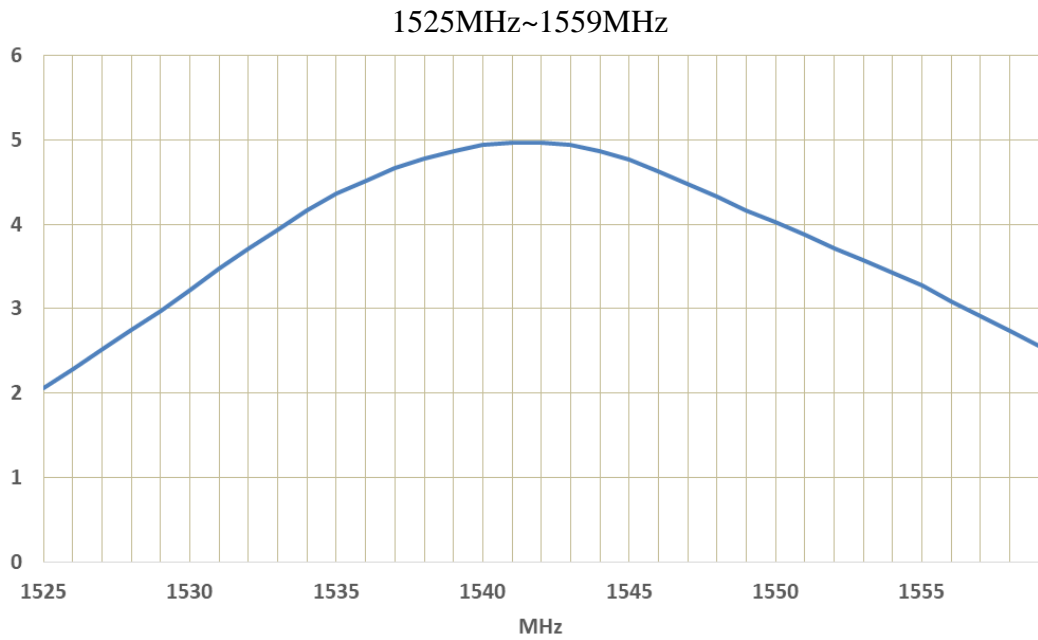
Frequency	1542 MHz	1643 MHz
Average Gain	-0.9 dBi	-1.3 dBi



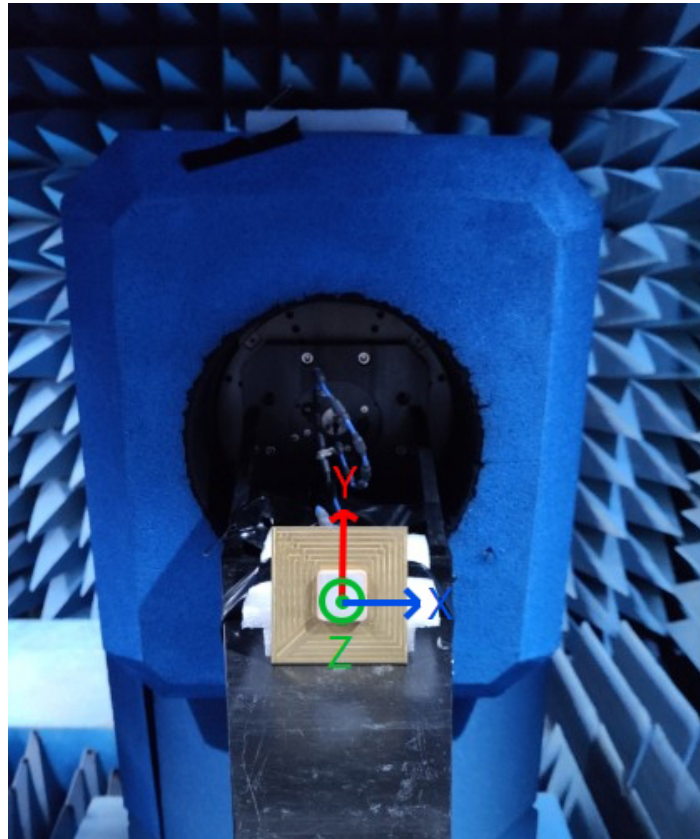


3.4 Peak Gain (dBi)

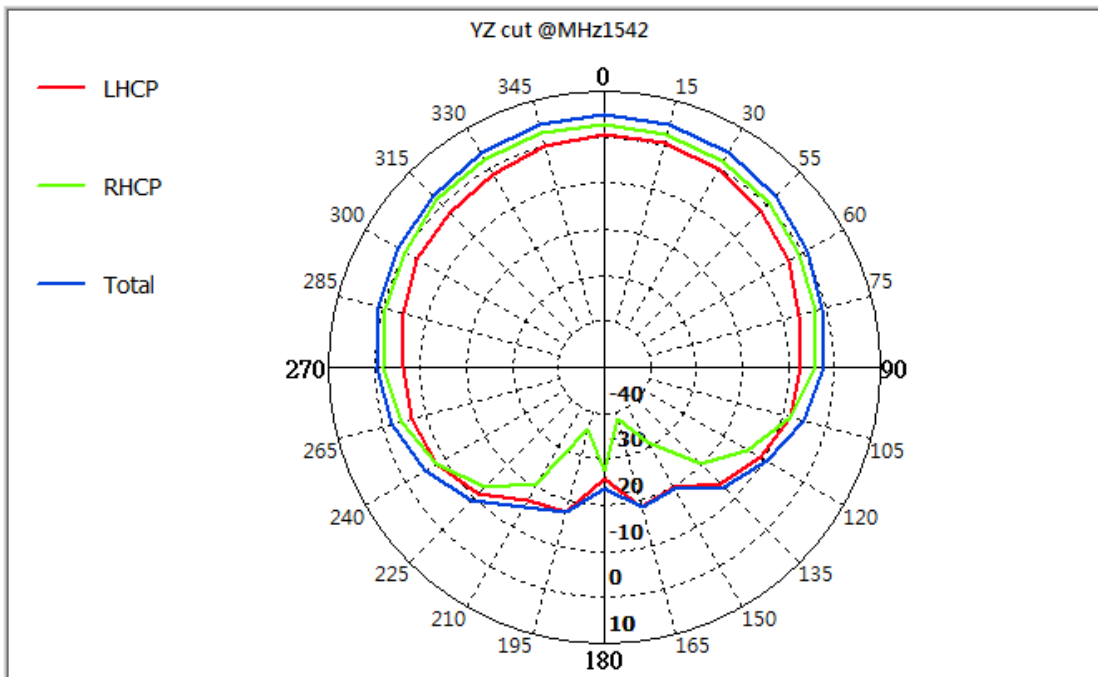
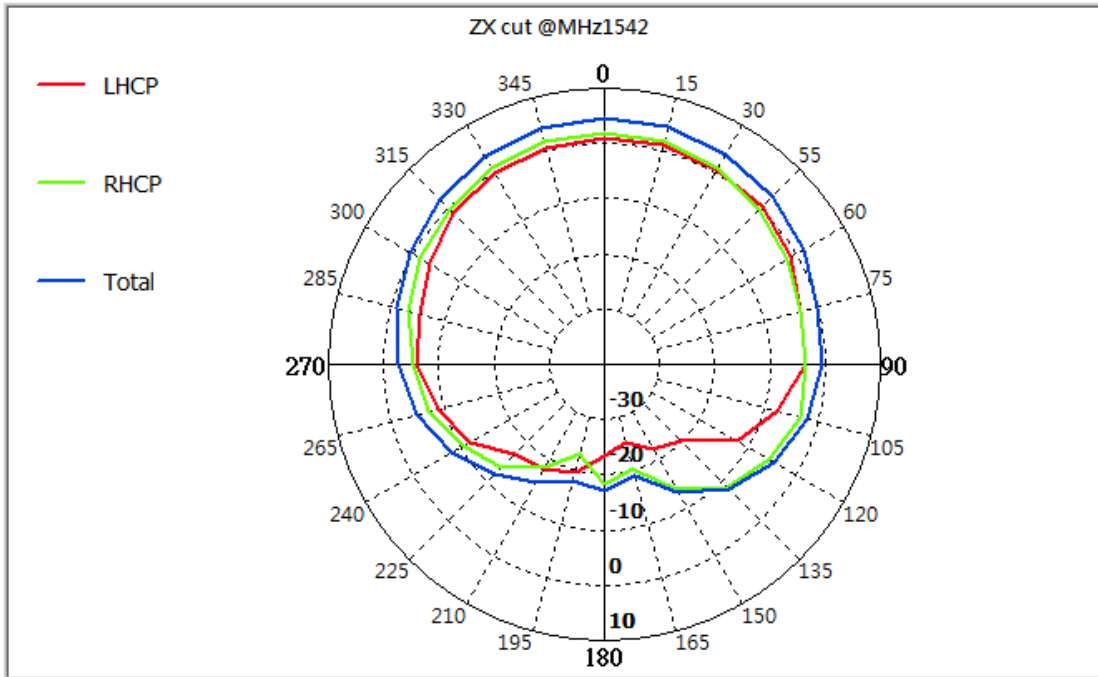
Frequency	1542 MHz	1643 MHz
Peak Gain	5.0 dBi	4.2 dBi



3.5 2D Radiation Pattern



1542MHz (Unit : dBi)



1643MHz (Unit : dBi)

