

SPECIFICATION

5G NTN—S Band Patch Antenna



Model No. : UPH5NS02



1. General Description

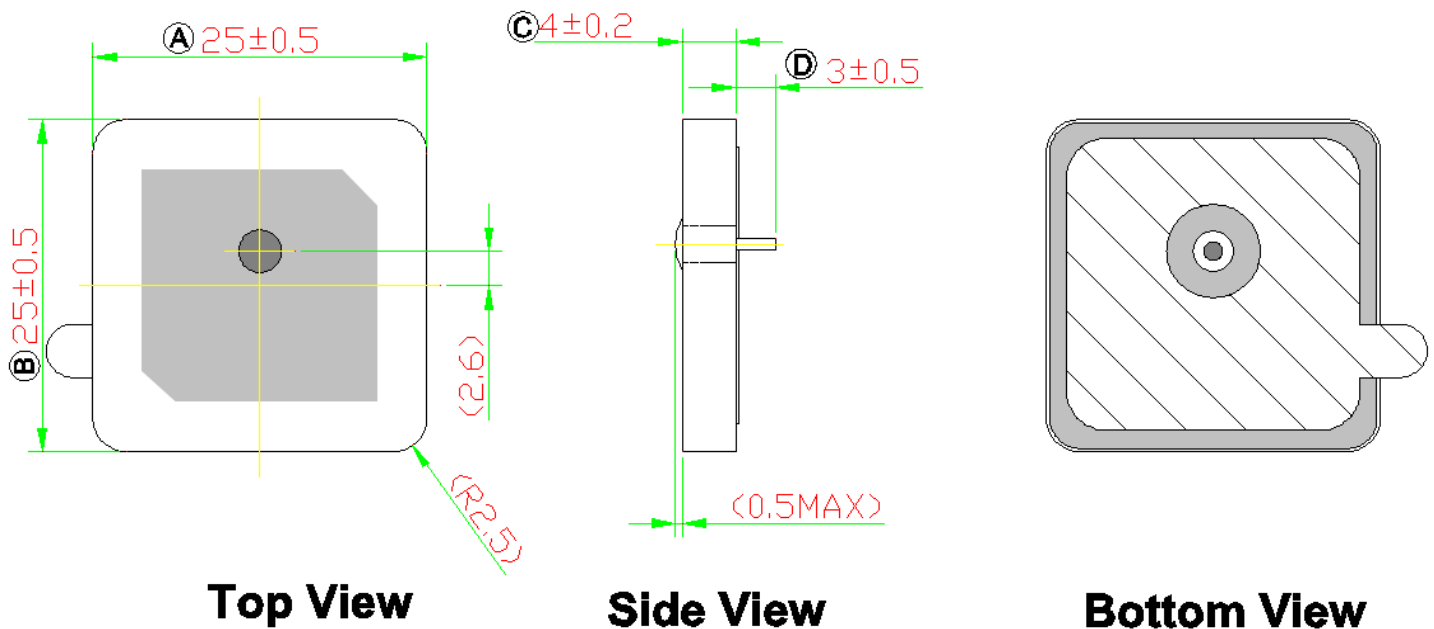
1.1 Electrical Properties

Parameter	Description
Application	5G NTN - S band
Frequency Band	1980~2020 MHz 2170~2200 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

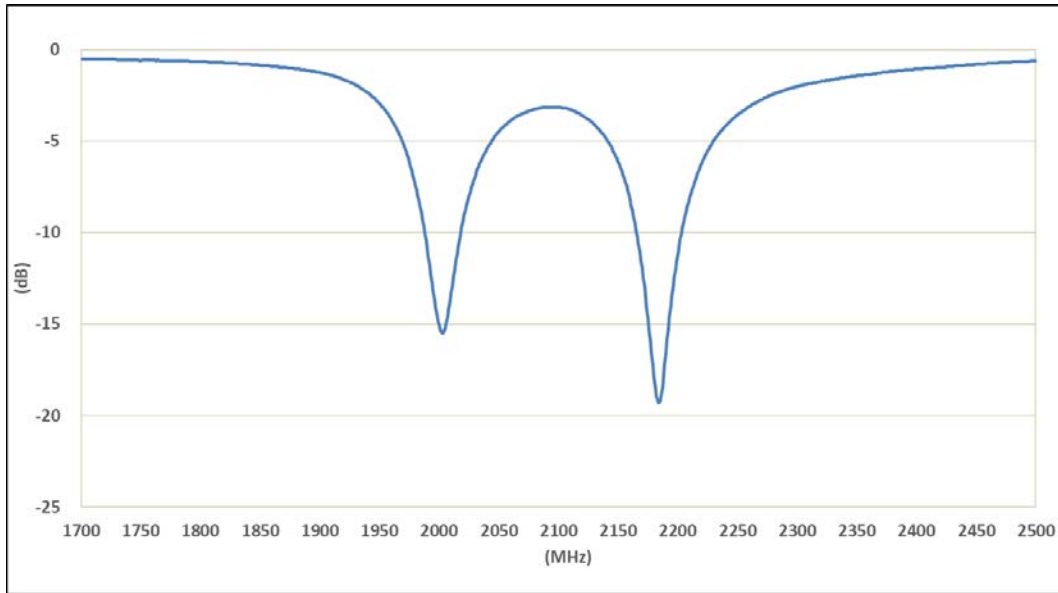
2. Appearance (Unit : mm)





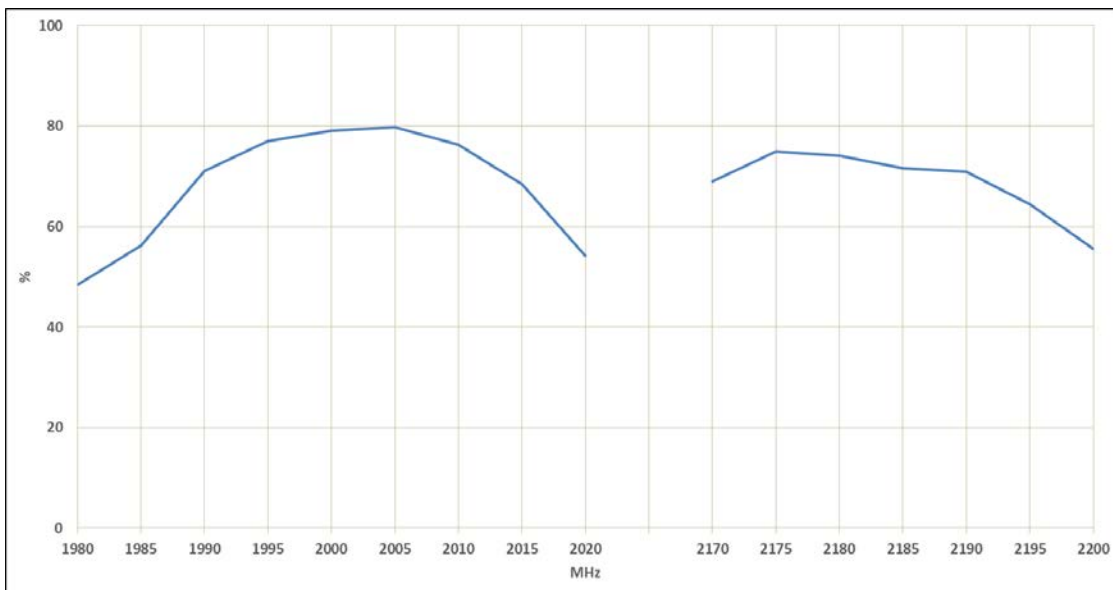
3. Performance

3.1 Return Loss (dB)



3.2 Efficiency (%)

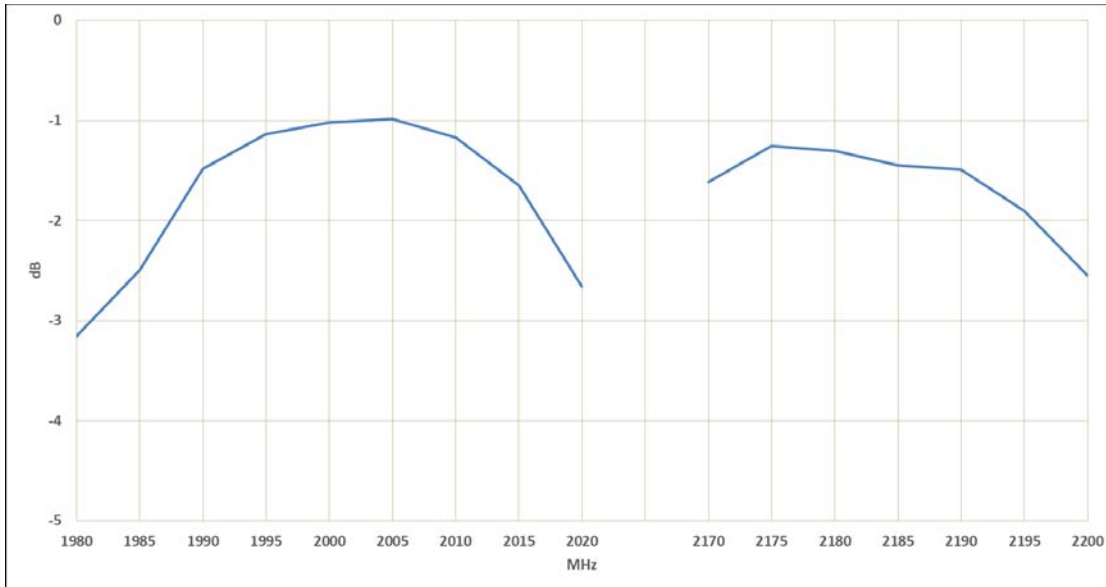
Frequency	2000 MHz	2185 MHz
Efficiency	79.1 %	71.7 %





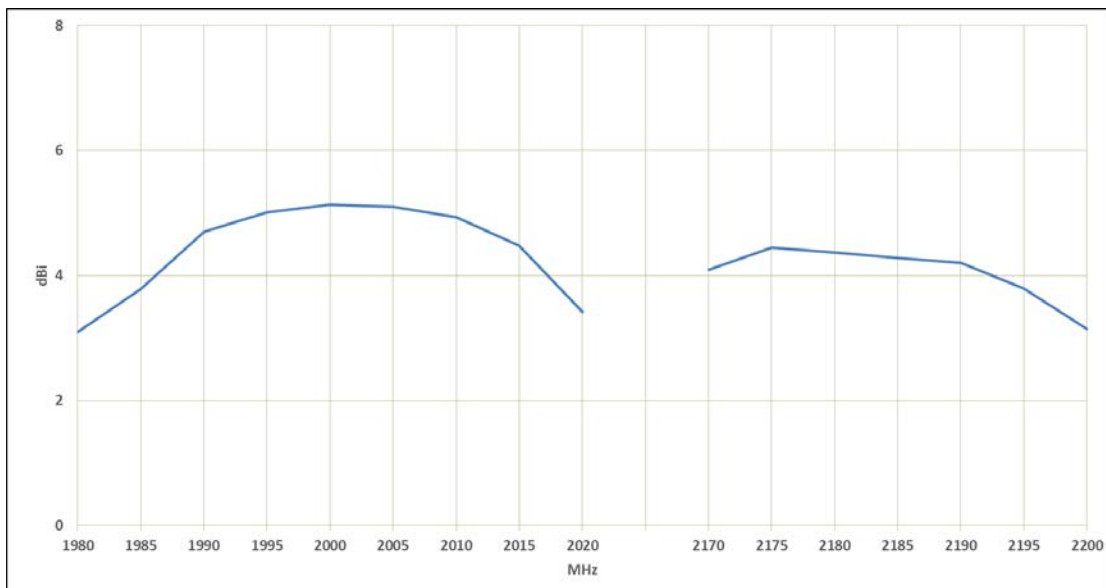
3.3 Average Gain (dBi)

Frequency	2000 MHz	2185 MHz
Average Gain	-1 dBi	-1.4 dBi

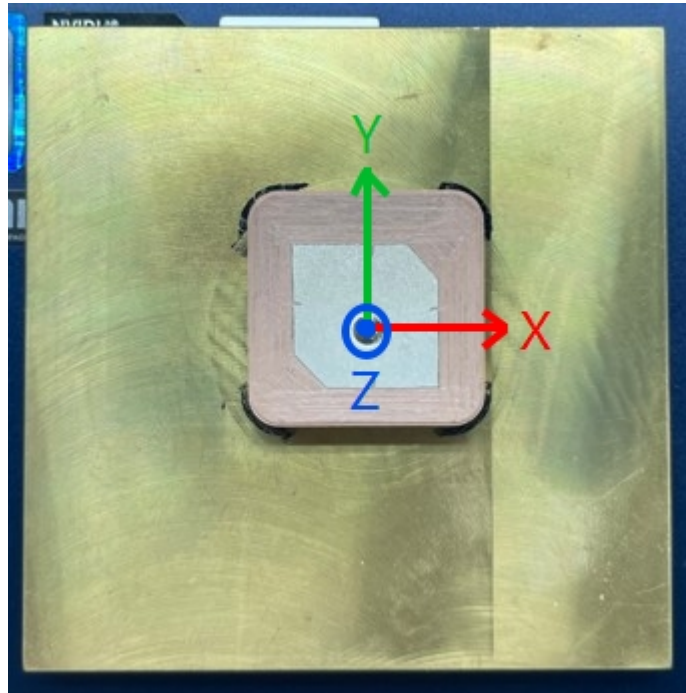


3.4 Peak Gain (dBi)

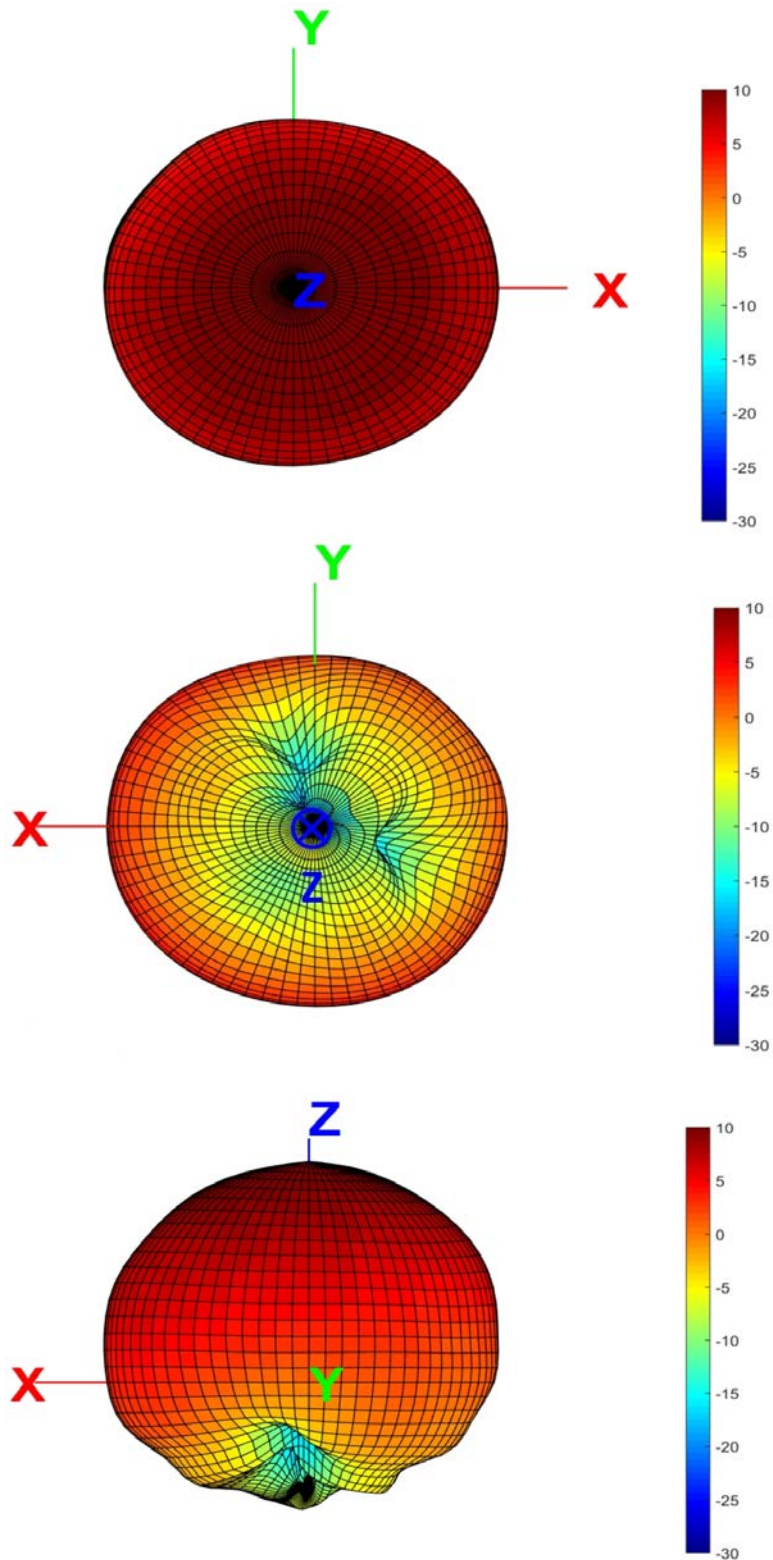
Frequency	2000 MHz	2185 MHz
Peak Gain	5.1 dBi	4.3 dBi



3.5 3D Radiation Pattern



2000 MHz (Unit : dBi)



2185 MHz (Unit : dBi)

