Report Number：20231207007

2.4GHz/5GHz 2x2 integrated Sector Antenna for C260-S

Model：	NS.AN-DS22-00		
Test by:	薛靖民	Date:	2023/12/7

Antenna Specifications

Dual-band 2x2 Integrated Sector Antenna for C260-S

Electrical Specifications

2.4 GHz Antenna

Frequency range 2400 – 2500 MHz
Gain 9 ± 1 dBi
VSWR 2.0 : 1 (max.)
Polarization Linear, ±45°
Horizontal HPBW 80°
Vertical HPBW 35°
Sidelobe Level -13 dB (max.)
Input impedance 50 Ohm

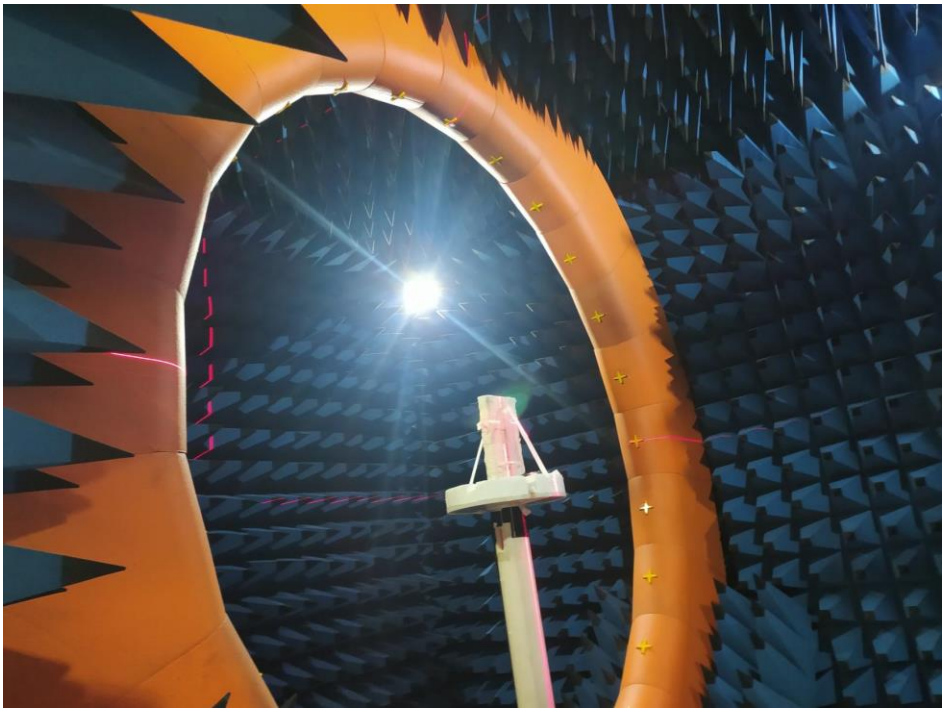
5 GHz Antenna

Frequency range 5180 – 5900 MHz
Gain 11.5 ± 1.5 dBi
VSWR 2.0 : 1 (max.)
Polarization Linear, ±45°
Horizontal HPBW 50°
Vertical HPBW 12°
Sidelobe Level -15 dB (max.)
Input impedance 50 Ohm

Environmental & Mechanical Characteristics

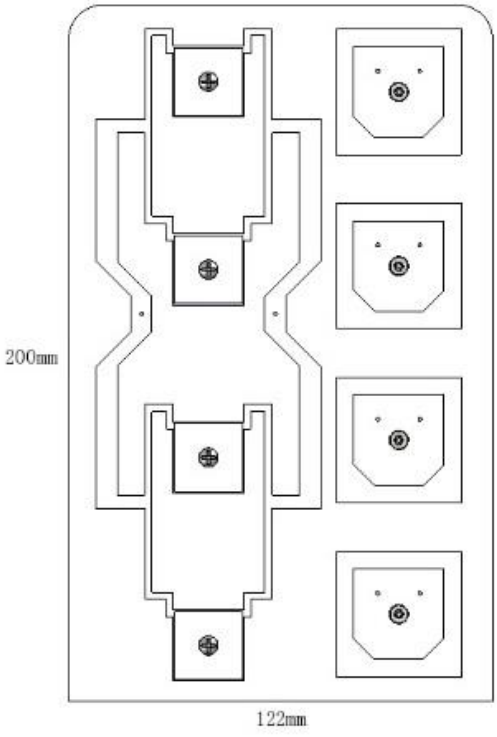
Cable N/A
Connector N/A
Temperature - 40°C to + 80°C
Humidity 95% @ 55°C
Weight T.B.D. gram
Dimensions 200×122×15.85 mm

Test Setup

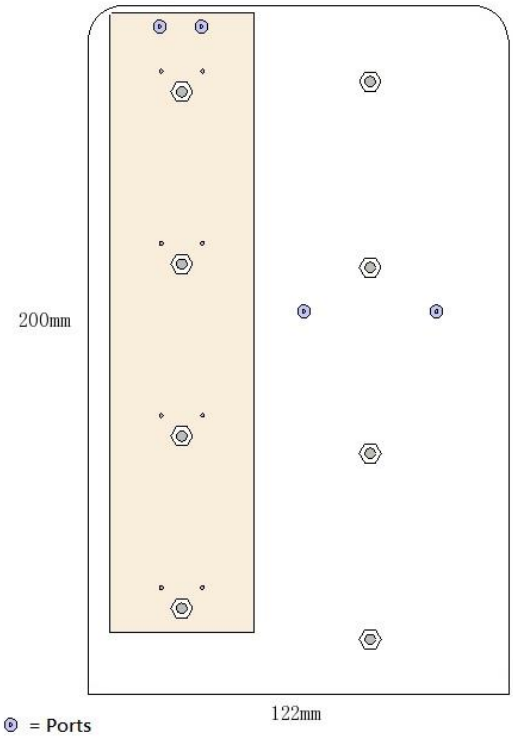


Antenna Drawing

Front View

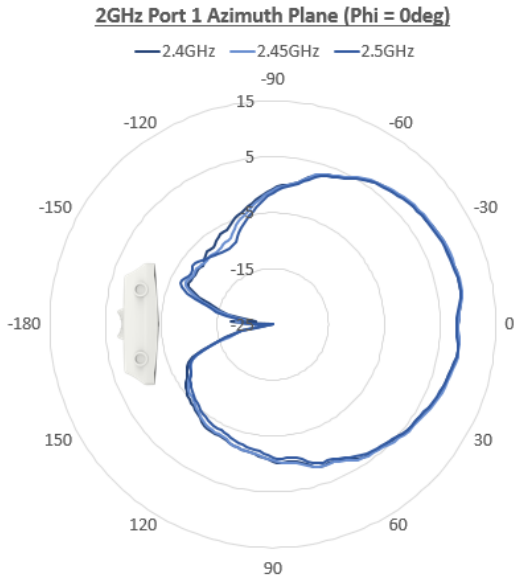


Back View

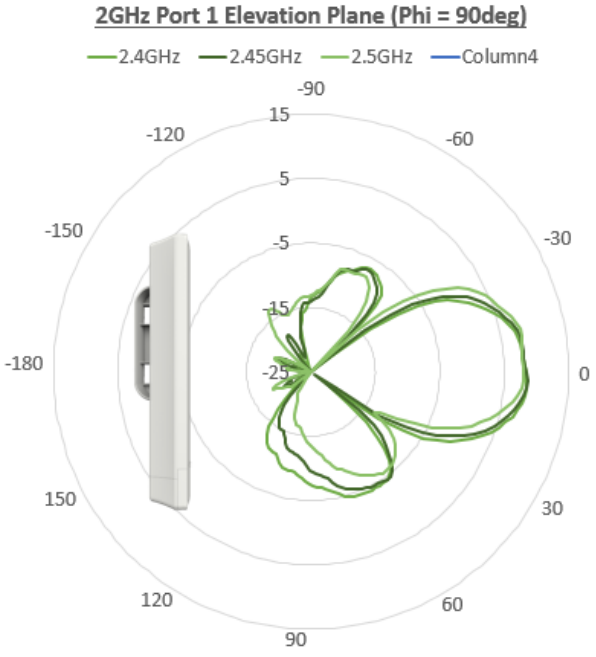


2.4GHz Gain and Radiation Patterns

2G Port 1 - H-plane Co-polarization Pattern

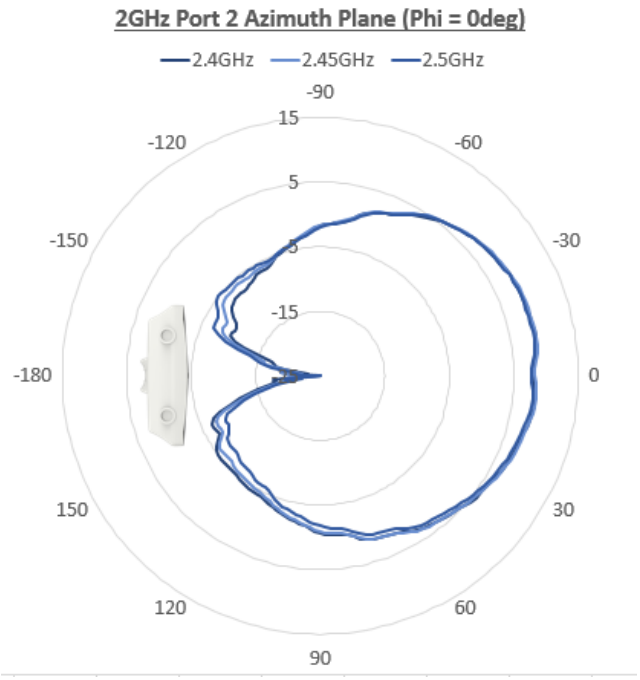


2G Port 1 - V-plane Co-polarization Pattern

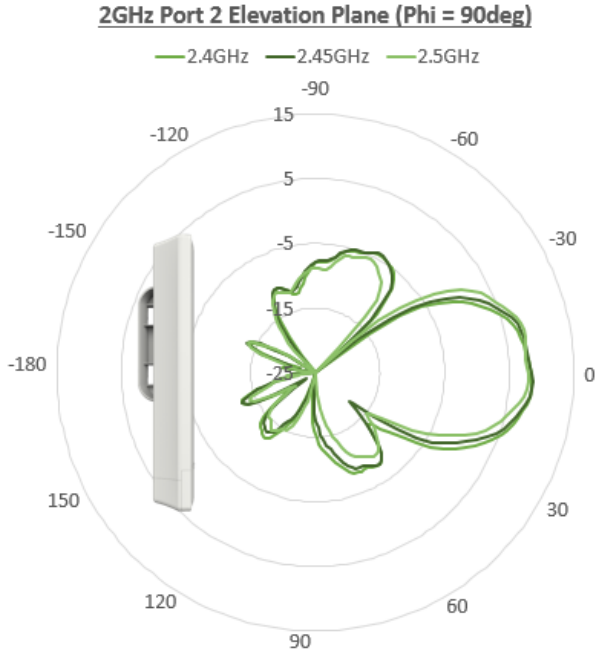


Frequency (GHz)	2.40 GHz	2.45 GHz	2.50 GHz
H Max. Gain (dBi)	9.32	9.46	9.19
V Max. Gain (dBi)	8.59	8.65	8.19

2G Port 2 - H-plane Co-polarization Pattern



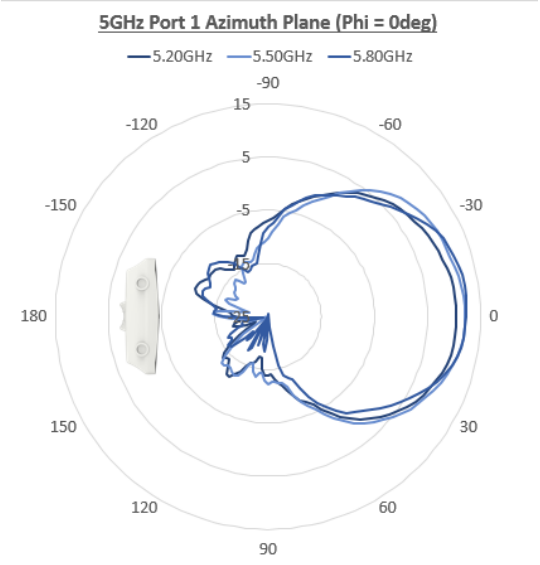
2G Port 2 - V-plane Co-polarization Pattern



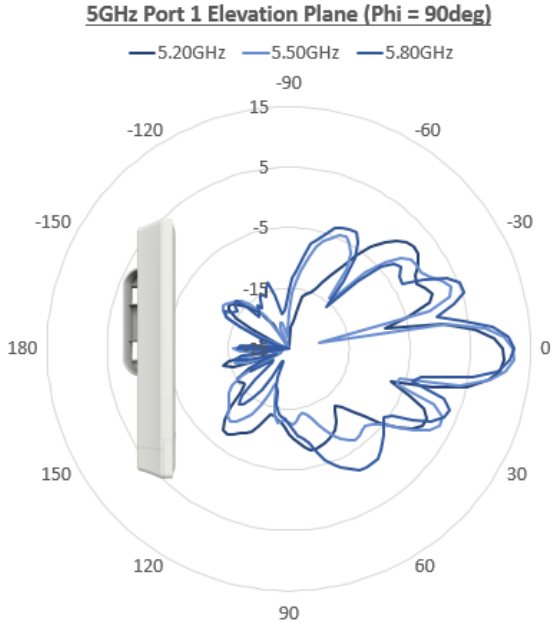
Frequency (GHz)	2.40 GHz	2.45 GHz	2.50 GHz
H Max. Gain (dBi)	8.89	9.09	8.70
V Max. Gain (dBi)	8.60	8.68	8.03

5GHz Gain and Radiation Patterns

5G Port 1 - H-plane Co-polarization Pattern

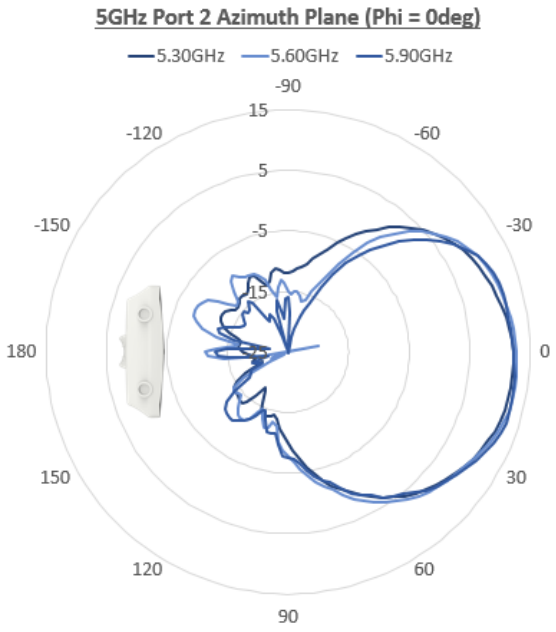


5G Port 1 - V-plane Co-polarization Pattern

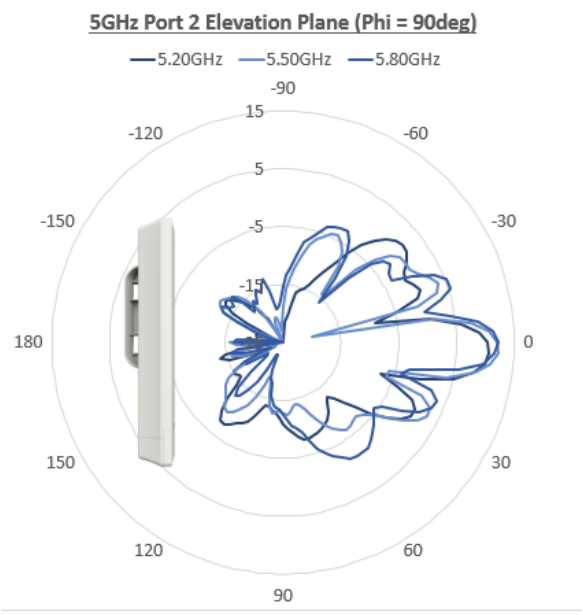


Frequency (GHz)	5.2 GHz	5.5 GHz	5.8 GHz
H Max. Gain (dBi)	10.35	12.08	12.43
V Max. Gain (dBi)	10.73	12.21	12.19

5G Port 2 - H-plane Co-polarization Pattern



5G Port 2 - V-plane Co-polarization Pattern



Frequency (GHz)	5.2 GHz	5.5 GHz	5.8 GHz
H Max. Gain (dBi)	12.23	13.01	12.89
V Max. Gain (dBi)	11.52	12.58	12.60