

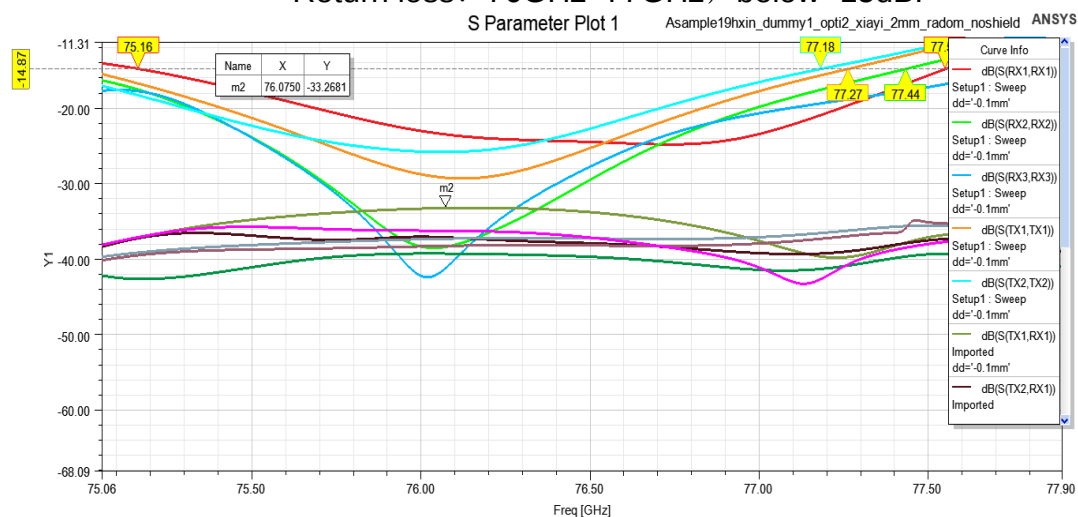
Antenna Specification

1、Antenna Parameter:

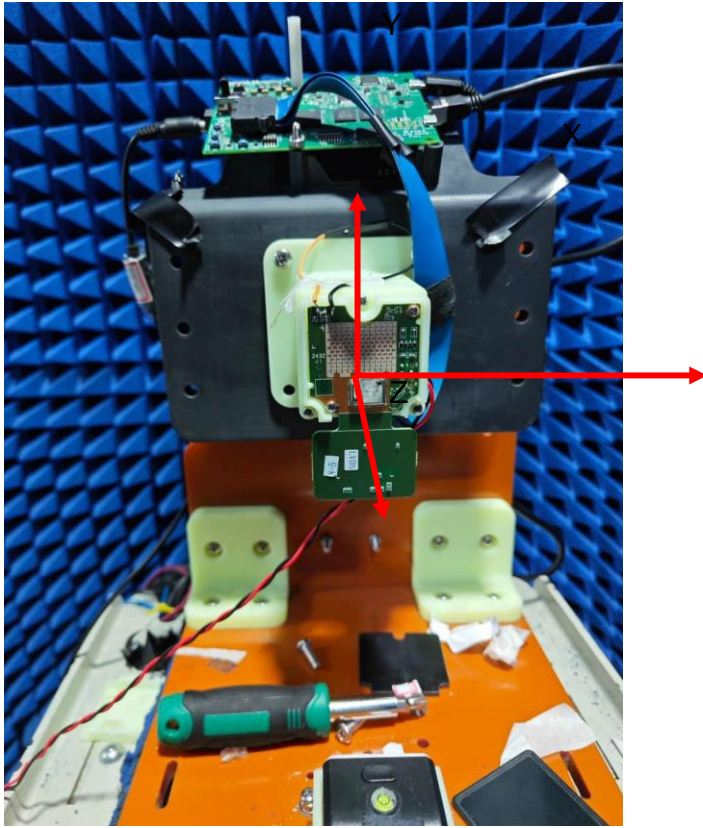
Items	Specification
Operating Frequency (GHz)	76~77
Bandwidth	1GHz (Max.)
Return Loss	15dB (Min.)
Polarization	Linear
HPBW	65°
Peak Gain	15dBi
Impedance	50Ω
Material	Array patch (material R5515)
Maximum Power	<28dBm
V.S.W.R.	1:1.4
Radiation	Directional
Efficiency	≥44%
Operating Temperature	-40° to 85°
Storage temp	-40° to 85°

2、S parameter:

Return loss: 76GHz~77GHz, below -15dB.



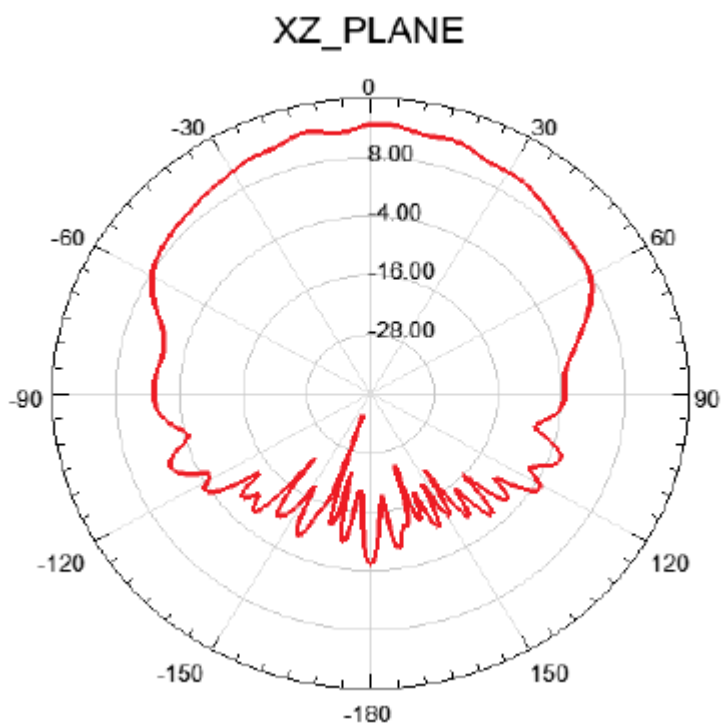
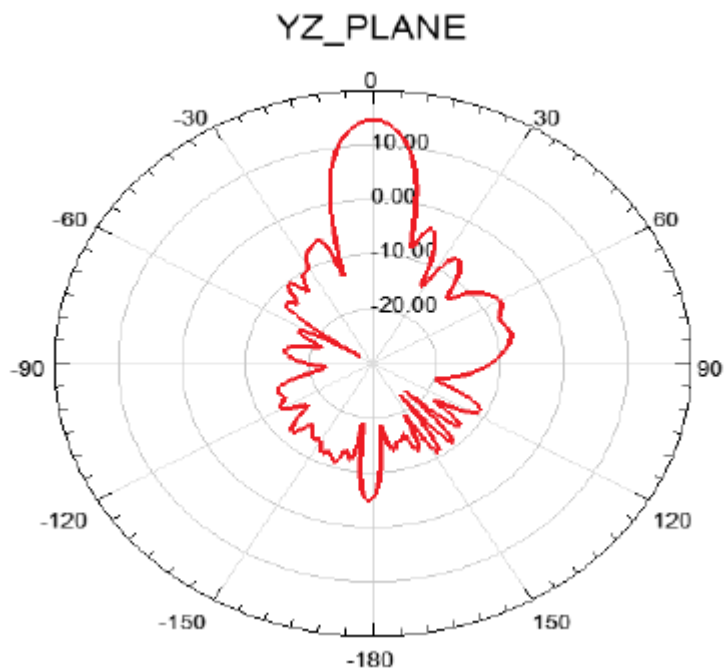
3、 Setup Photos

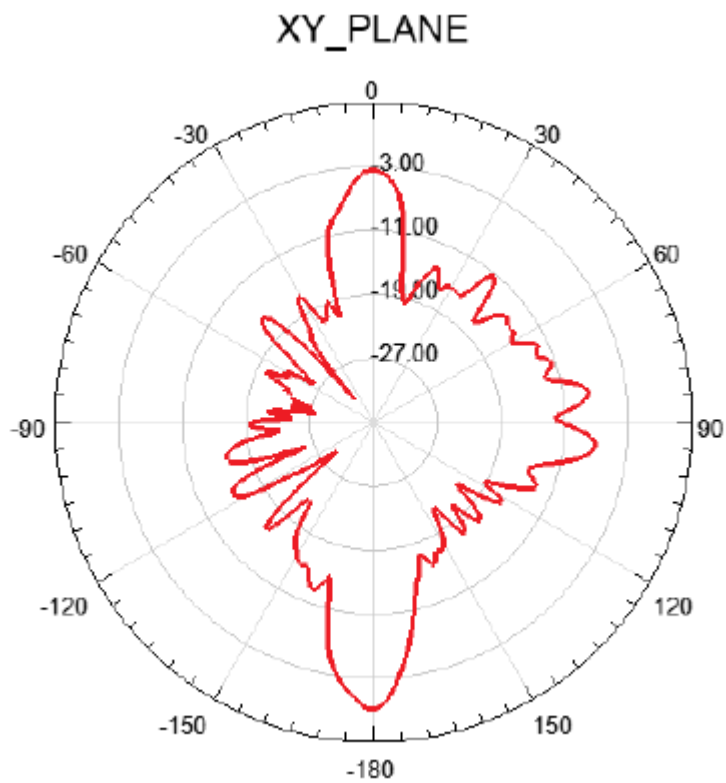


4、 Antenna Gain, Efficiency

Items	TX1	TX2	RX1	RX2	RX3
Gain @76.5G	14.5dBi	14.3dBi	14.0dBi	13.3dBi	12.1dBi
Efficiency	73%	71%	67%	60%	44%

5、Phantom





6、Antenna PCB Layout

