

SPECIFICATION

Product Name : GNSS antenna

Model : PM269 (GRR08)

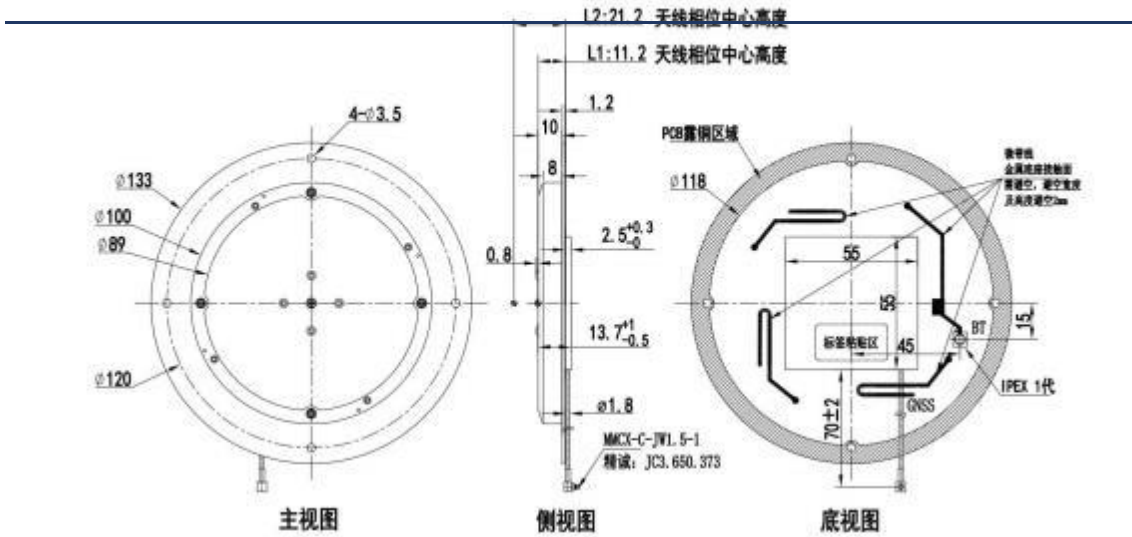
Order	UPDATE	VERSION	DATE
1	All chapters	V0.1	2023.7.28
2			
3			
4			
5			



Technical Parameter

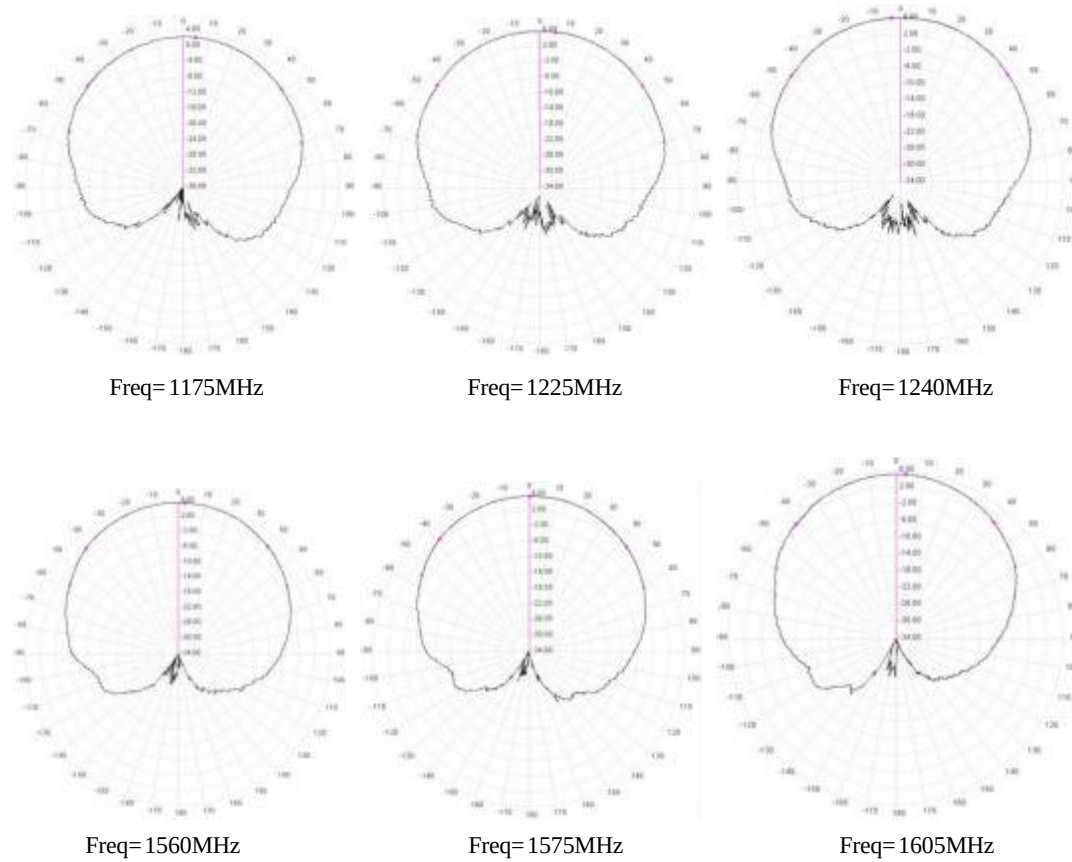
Antenna characteristics		LNAs characteristics		Structural&Environmental Adaptability	
Impedance	50 ohm	Figure	≤1.8dB	Weight	≤220g
Polarization mode	GNSS:right-handed circular polarization BT:linear polarization	Output vswr	≤2.0	Interface type	GNSS:MMCX-C-JW1.5 (精 诚：JC3.650.373) BT:Ipex-1
Antenna axis ratio	GNSS:≤3dB	In-band flatness	±2dB	Installation method	Installation of 4 M3 screws
Coverage	0° ~360°	Working voltage	DC3.3~12V	Operation temperature	-40℃~+85℃
Output vswr	≤2.0	Working current	≤50mA	Storage temperature	-55℃~+85℃
Maximum Gain	GNSS:6.1dBi BT:1.37dbi	Storage humidity	95%Non condensing	Phase Center Error	±2mm

structure (general tolerance±0.3mm)



Test date

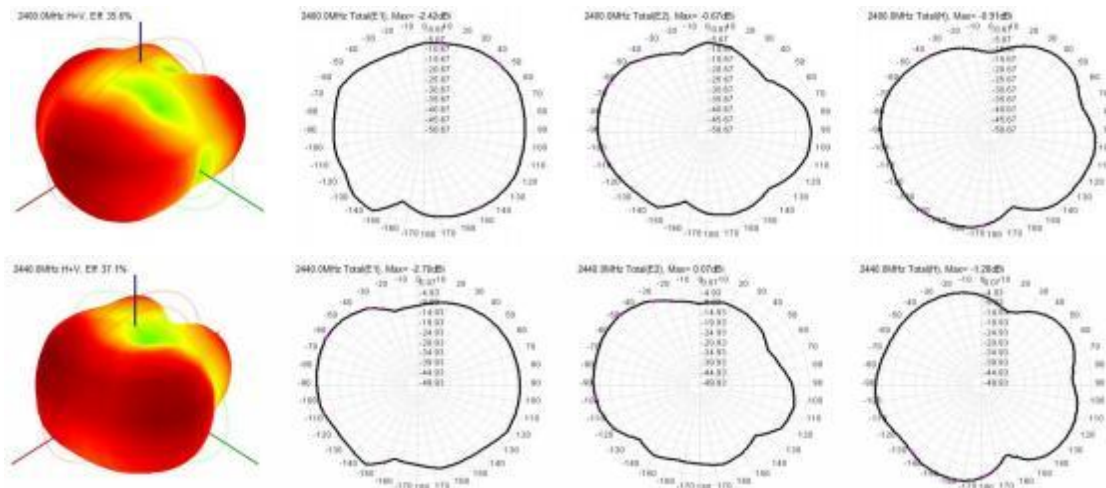
GNSS:

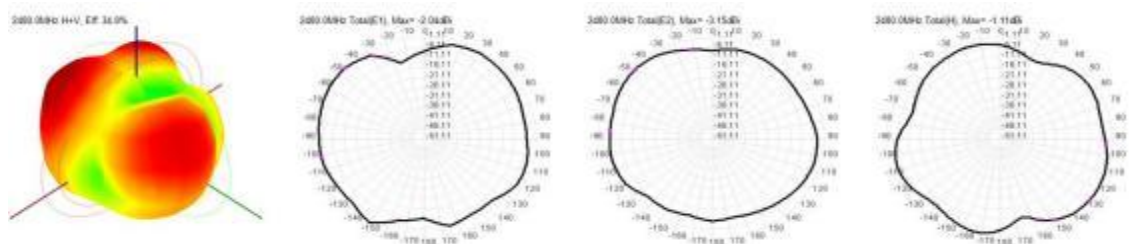


GNSS: (Gain)

Frequency (MHz)	1175	1205	1225	1240	1270	1540	1560	1575	1605
Normal gain (dBi)	2.5	4.5	5.7	6.1	5.2	4.5	5.6	5.8	5.3
Normal axis ratio (dB)	1.6	0.9	0.6	0.3	0.3	1.5	1.3	0.5	1.0

BT:





BT: (efficiency & Gain)

Frequency (MHz)	Gain (dBi)	efficiency (%)	Frequency (MHz)	Gain (dBi)	efficiency (%)
2400	0.47	35.6	2460	1.15	37.2
2410	0.15	32.5	2470	1.08	36.9
2420	-0.12	31.3	2480	0.79	35.2
2430	0.37	34.5	2490	0.47	31.3
2440	1.05	37.9	2500	0.23	29.6
2450	1.37	38.5			