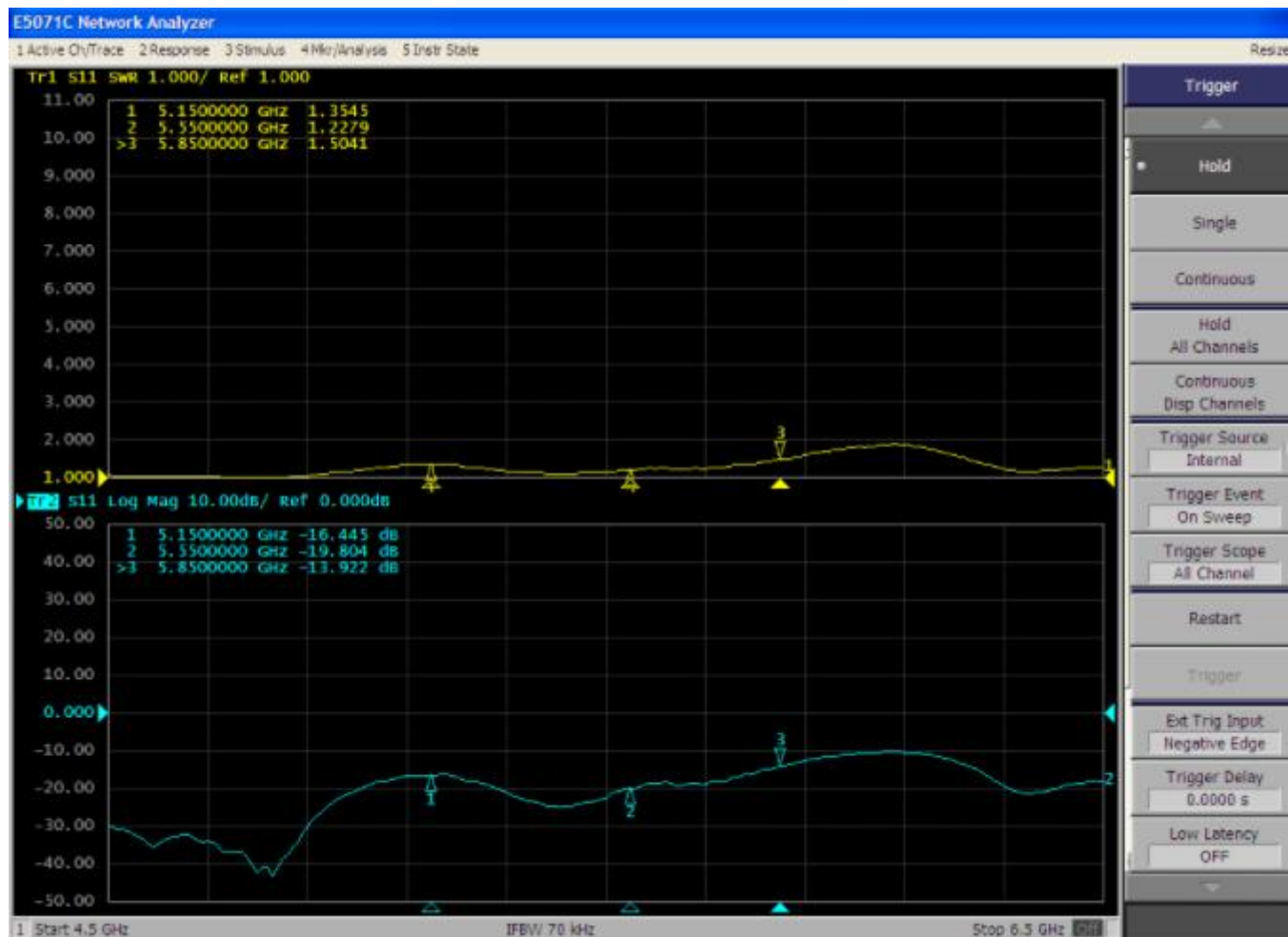


Product Number: HG5800-0301RS-G

Product Name: Antenna Antenna Type: External antenna

3. Antenna - S Parameter Test Data



4. Antenna - Radiation Pattern Test Data

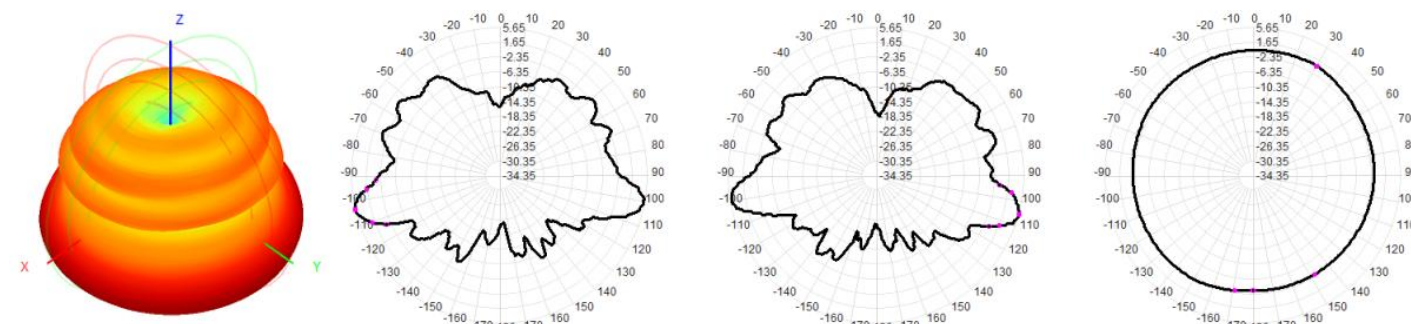
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Gain (dBi)	5.86	6.21	6.70	5.90	6.83	7.19	7.16	6.80	7.27	7.61	7.57	6.79	6.71	6.32	5.80
Efficiency (%)	65.65	70.75	77.36	65.21	76.50	77.29	77.87	71.90	74.34	77.14	75.48	67.03	69.34	67.35	63.48

XZ

YZ

XY

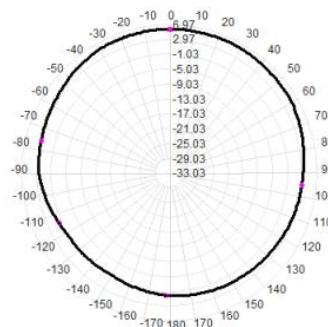
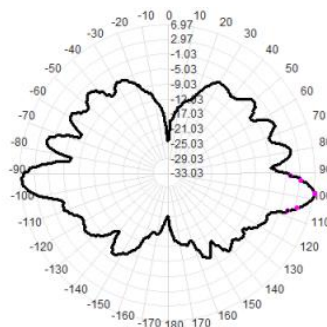
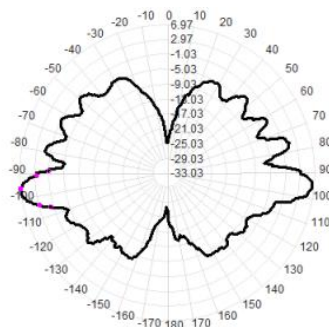
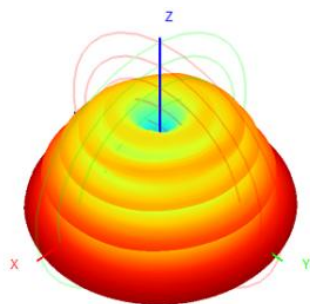
5150MHz



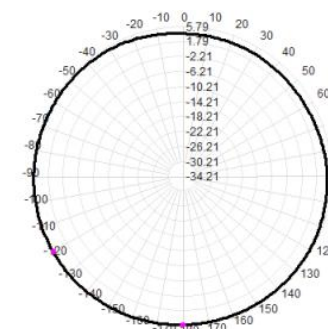
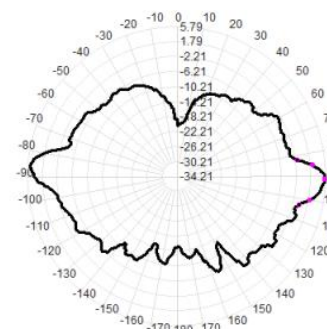
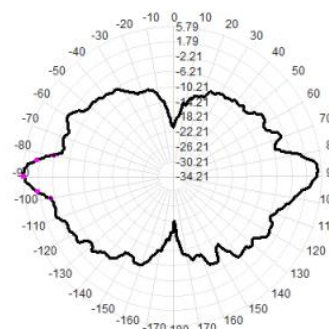
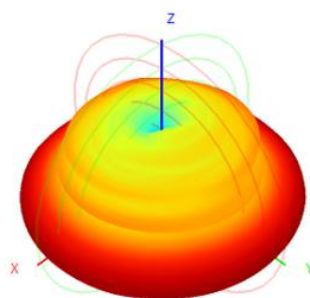
Product Number: HG5800-0301RS-G

Product Name: Antenna

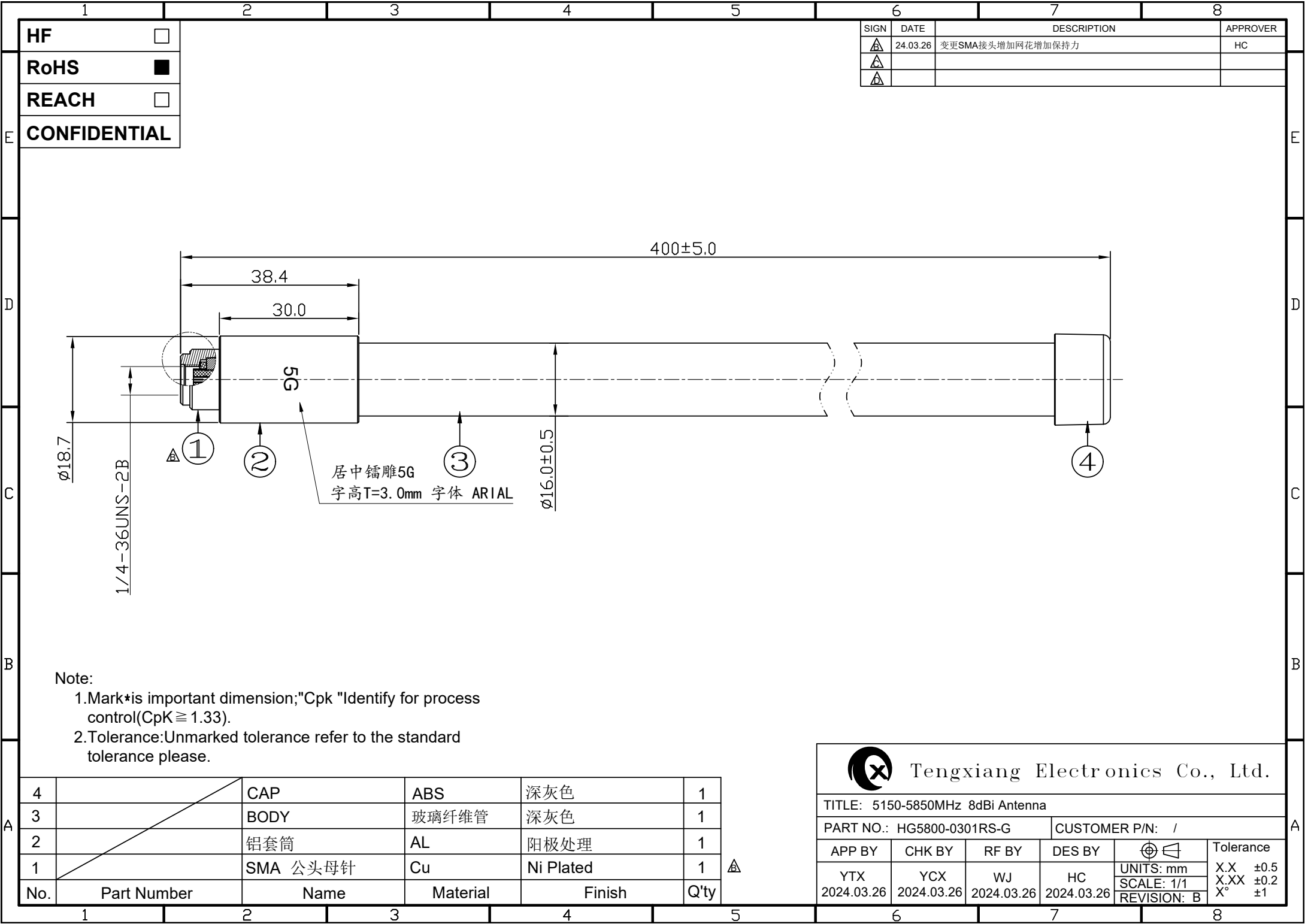
5550MHz



5850MHz

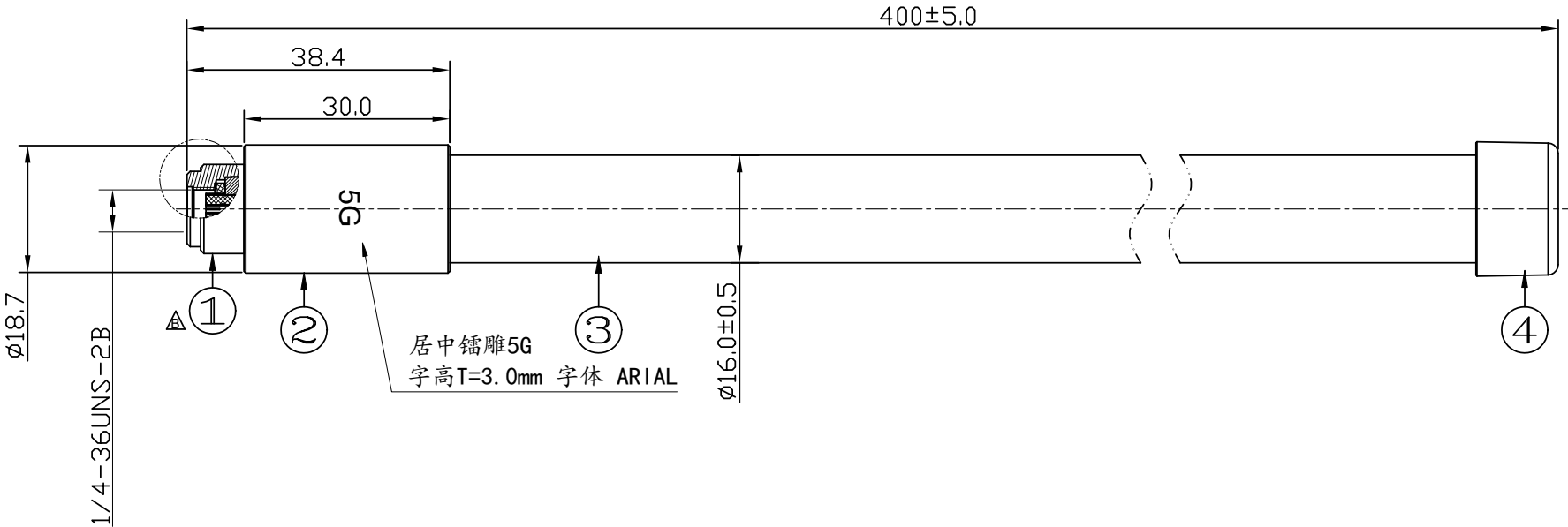


5. Mechanical Drawing See attached files



HF ☐
RoHS ☒
REACH ☐
CONFIDENTIAL

SIGN	DATE	DESCRIPTION	APPROVER
	24.03.26	变更SMA接头增加网花增加保持力	HC



Note:
1.Mark*is important dimension;"Cpk "Identify for process control(CpK≥1.33).
2.Tolerance:Unmarked tolerance refer to the standard tolerance please.

4		CAP	ABS	深灰色	1
3		BODY	玻璃纤维管	深灰色	1
2		铝套筒	AL	阳极处理	1
1		SMA 公头母针	Cu	Ni Plated	1
No.	Part Number	Name	Material	Finish	Q'ty

Tengxiang Electronics Co., Ltd.

TITLE: 5150-5850MHz 8dBi Antenna

PART NO.: HG5800-0301RS-GCUSTOMER P/N: /

APP BY	CHK BY	RF BY	DES BY		Tolerance
YTX	YCX	WJ	HC	UNITS: mm	X.X ±0.5
2024.03.26	2024.03.26	2024.03.26	2024.03.26	SCALE: 1/1	X.XX ±0.2
				REVISION: B	X° ±1