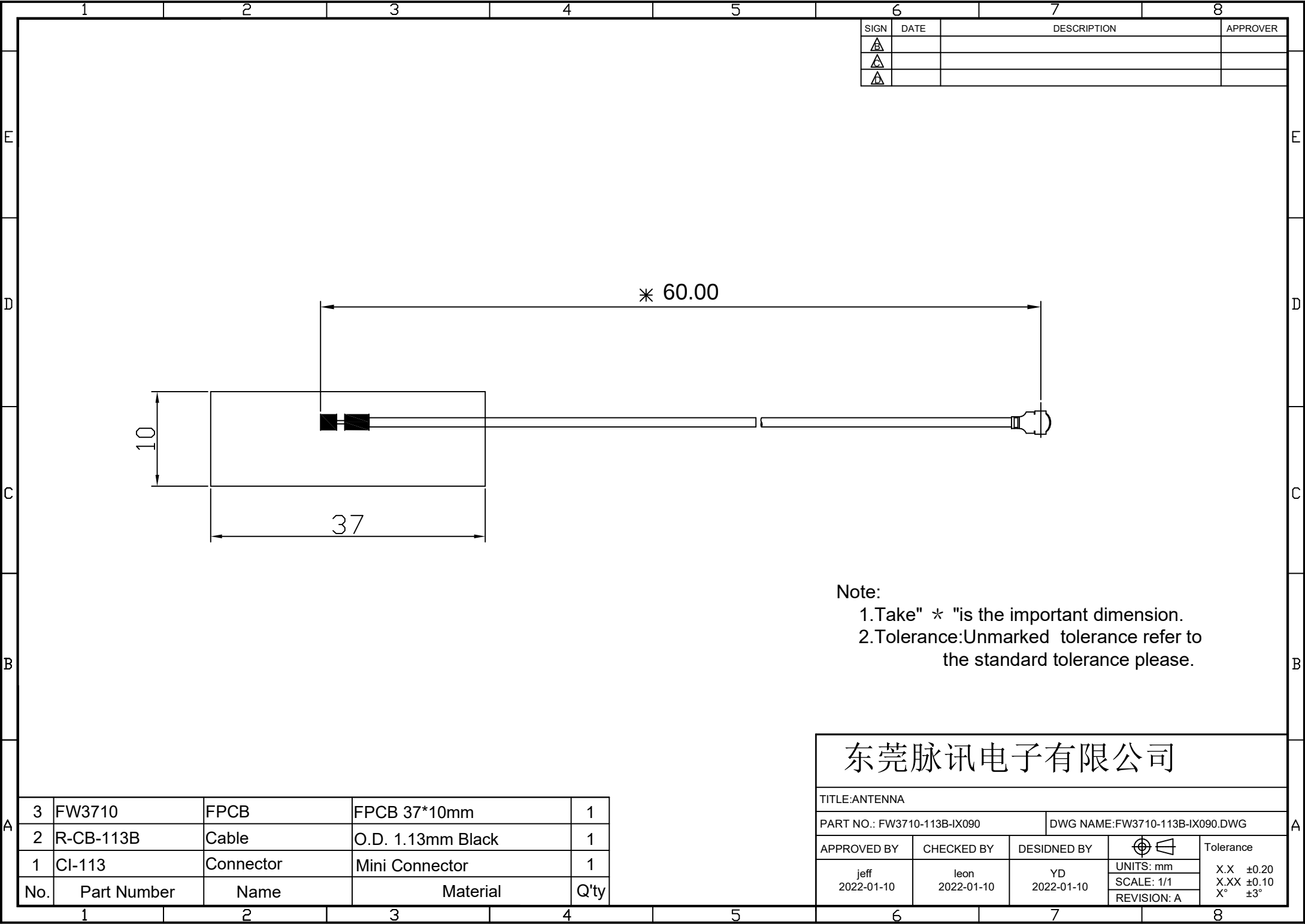


承认书项目表

NO.	内容 (Contents)	页数 (Number of Page)	页码 (Page Code)
1	承认书封面 (Spec Cover)	1	1
2	承认书项目表 (Spec Item)	1	2
3	工程成品图 (Drawing)	1	3
4	电性测试报告 (Test Reports)	1	4
5	S 参数测试 (S Parameter)	1	5
6	增益测试 (Gain Test)	1	6
7			
8			
9			
10	-	-	-
11	-	-	-
12	-	-	-



SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			

Note:
1.Take" * "is the important dimension.
2.Tolerance:Unmarked tolerance refer to the standard tolerance please.

3	FW3710	FPCB	FPCB 37*10mm	1
2	R-CB-113B	Cable	O.D. 1.13mm Black	1
1	CI-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

东莞脉讯电子有限公司				
TITLE:ANTENNA				
PART NO.: FW3710-113B-IX090			DWG NAME:FW3710-113B-IX090.DWG	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
jeff 2022-01-10	leon 2022-01-10	YD 2022-01-10	UNITS: mm	X.X ±0.20
			SCALE: 1/1	X.XX ±0.10
			REVISION: A	X° ±3°

电性测试报告

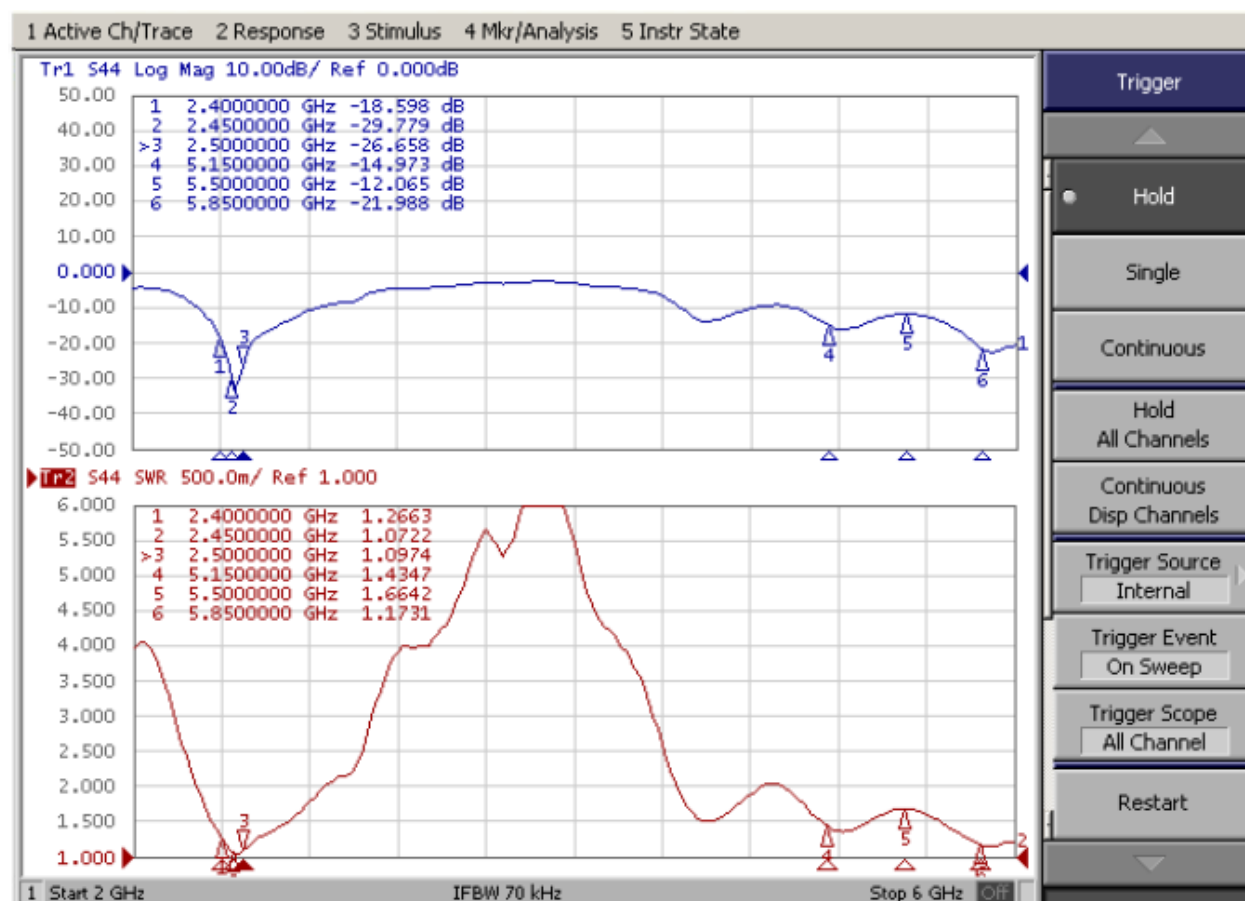
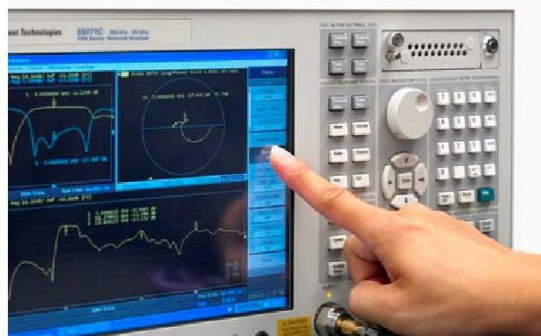
Test Reports

Sample Photo	
A. Electrical Characteristics	
Frequency	2.4G:2402~2480MHz 5.8G:5745~ 5825MHz
S.W.R.	<= 2.5
Ant Gain	2402MHz~2480MHz :3.61 dBi 5745MHz~5825MHz :4.9 dBi
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Cable Loss	4.9 dBi / m Max @ 5000 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	13
Physical Properties	
Antenna Material	FPCB
Cable Type	O.D. 1.13mm // 90 mm
Operating Temp.	-35 ~ +60 °C
Storage Temp.	-35 ~ +70 °C

S 参数测试

S Parameter Test

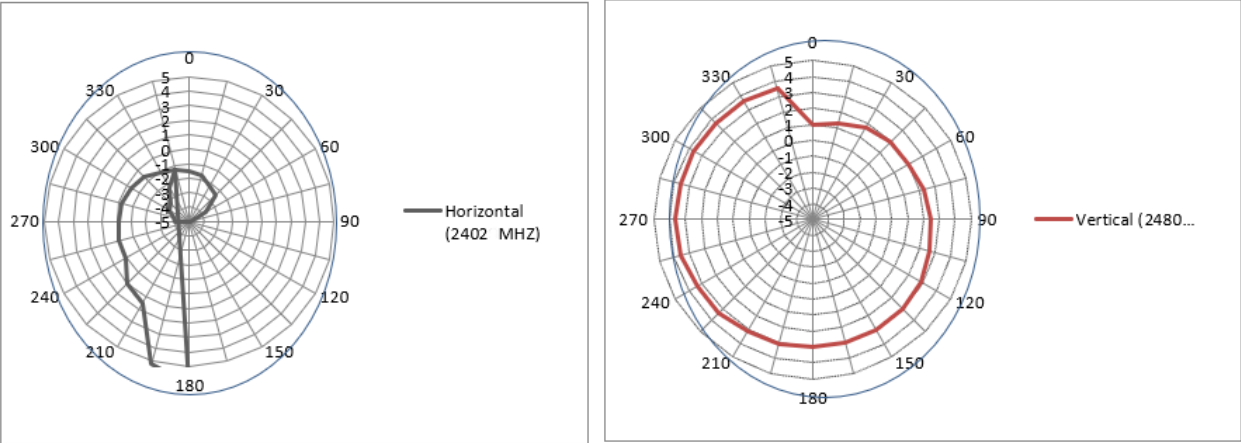
Agilent E5071C



Product Name: Antenna

5. Antenna - Radiation Pattern Test Data

2402&5700Mhz



diagram

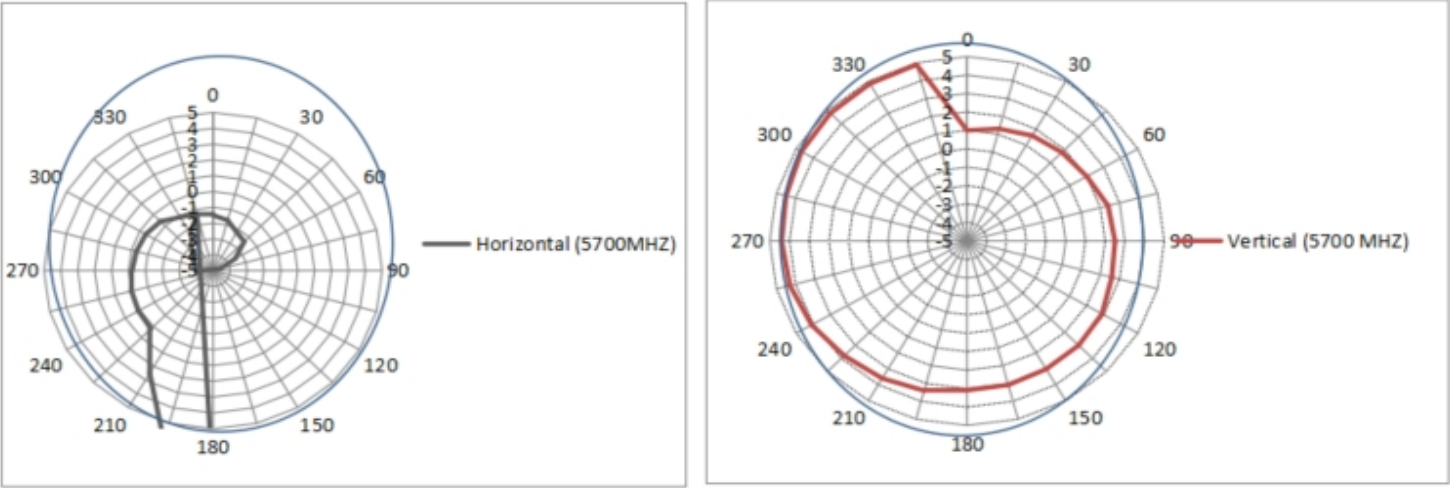
Horizontal (2402 MHz)

Phi	0		30		60		90		120		150		180		210		240		270		300		330	
Max Gain (dBi)	-16.3	-15.2	-11.5	-11.1	-10.1	-10	-9.9	-9.8	-9.6	-9.4	-8.9	-8.7	-8.5	-8.3	-7.8	-7.6	-6.3	-5.1	-4	-3.9	-3.4	-3.2	-2.3	-1.3

Vertical (2480 MHz)

Phi	0		30		60		90		120		150		180		210		240		270		300		330	
Max Gain (dBi)	1	1.3	1.7	1.9	2.01	2.3	2.5	2.6	2.9	3	3.02	3.03	3.05	3.1	3.15	3.3	3.4	3.6	3.61	3.61	3.61	3.61	3.61	3.61

最大增益值。



Horizontal (5700MHz)

Phi	0		30		60		90		120		150		180		210		240		270		300		330	
Max Gain (dBi)	-19	-16	-13	-10	-10	-10	-9.8	-9.7	-9.6	-9.4	-8.9	-8.7	-8.5	-8.3	-7.8	-7.6	-6.5	-5.4	-4	-3.9	-3.6	-3.2	-2.3	-1.3

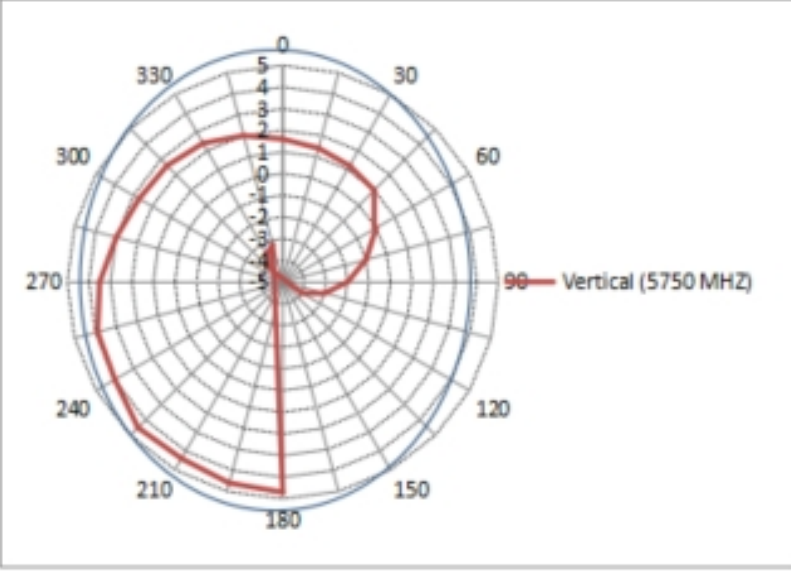
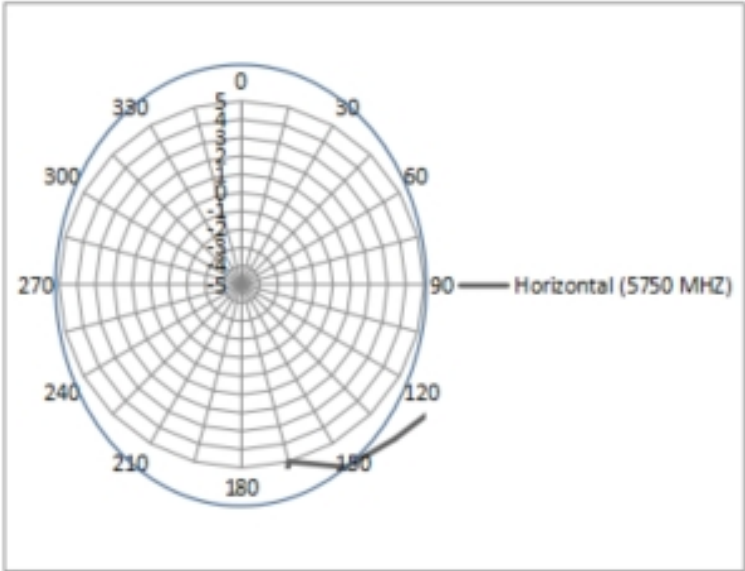
Vertical (5700 MHz)

Phi	0		30		60		90		120		150		180		210		240		270		300		330	
Max Gain (dBi)	1	1.3	1.6	1.8	2.01	2.4	2.5	2.6	2.9	3	3.02	3.08	3.09	3.4	3.6	3.8	4.1	4.3	4.4	4.5	4.7	4.8	4.85	4.9

最大增益值。

Product Name: Antenna

5. Antenna - Radiation Pattern Test Data
5750Mhz



Horizontal (5750 MHz)

Phi	0		30		60		90		120		150		180		210		240		270		300		330	
Max Gain (dBi)	-35	-30	-27	-26	-25	-24	-23	-22	-21	-20	-20.6	-20.5	-20.4	-20.3	-19	-19.8	-18	-18.7	-18.2	-17	-17.8	-16.9	-16.5	-15

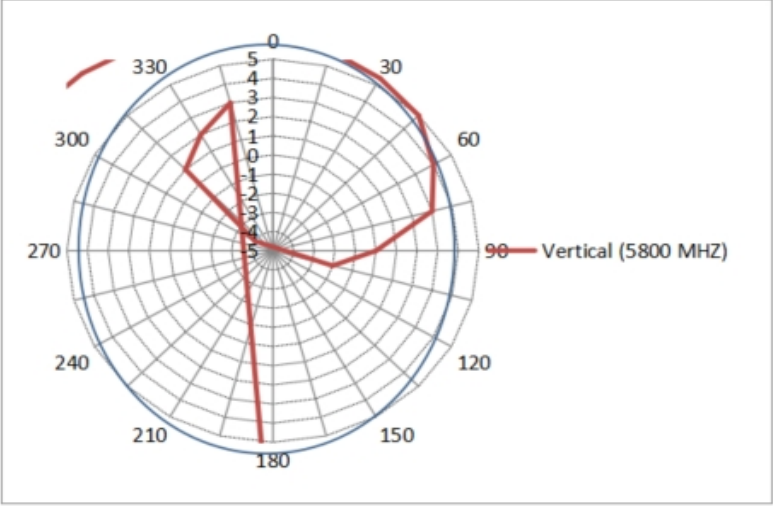
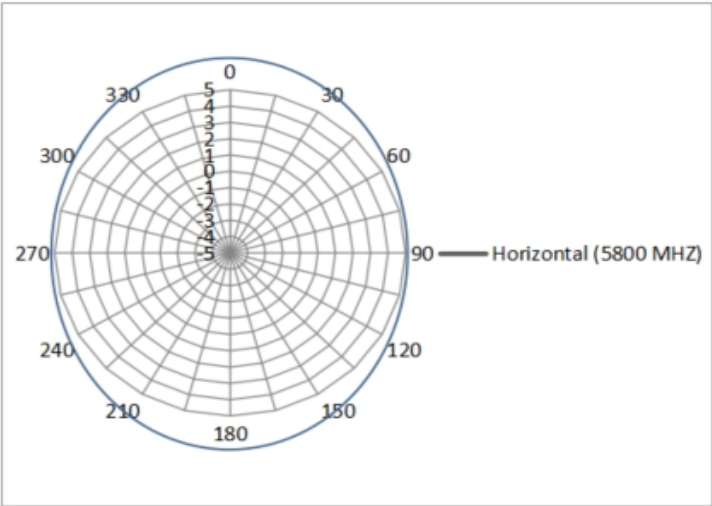
Vertical (5750 MHz)

Phi	0		30		60		90		120		150		180		210		240		270		300		330	
Max Gain (dBi)	-14.7	-14.6	-14.4	-14.5	-14	-13.9	-13.5	-13	-12.7	-12.6	-12.4	-12.0	-11.6	-11.4	-11.2	-11	-10	-9	-8	-7	-6	-4	-3.5	-3.2

最大增益值

Product Name: Antenna

5. Antenna - Radiation Pattern Test Data
5850Mhz



Horizontal (5800 MHz)

Phi	0		30		60		90		120		150		180		210		240		270		300		330	
Max Gain (dBi)	-36.5	-30	-29.8	-29.6	-28.5	-28.3	-28	-27.8	-27.3	-27	-26.6	-26	-25.9	-25.2	-24.7	-24.5	-24	-23.6	-23.4	-23.2	-23	-22.5	-22.2	-22

Vertical (5800 MHz)

Phi	0		30		60		90		120		150		180		210		240		270		300		330	
Max Gain (dBi)	-21.7	-21.5	-21	-20.7	-20.3	-20	-19.8	-19.2	-18.8	-18.1	-17.5	-16.3	-16	-15.8	-15.4	-15	-14	-13	-10	-8	-4	1	2	3

最大增益值