



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

RoHS & Halogen Free & REACH Compliance.

SPECIFICATION FOR APPROVAL

CUSTOMER : _____

CUSTOMER P/N : _____

OUR DWG No : _____

QUANTITY : _____ **Pcs.** **DATE :** **2019/02/27**

ITEM : **BTEA0087090G8R2A07**

SPECIFICATION ACCEPTED BY:

COMPONENT ENGINEER	
ELECTRICAL ENGINEER	
MECHANICAL ENGINEER	
APPROVED	
REJECTED	

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http : //www.chilisin.com

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DRAWN BY

CHECKED BY

APPROVED BY



ELECTRICAL PROPERTIES

- ## 1.6 Polarization.....Linear Vertical

PHYSICAL PROPERTIES

- | | | |
|-----|---------------------|---------------|
| 2.1 | Antenna Cover..... | TPE(Black) |
| 2.2 | Antenna Base..... | PC+PBT(Black) |
| 2.3 | Cable..... | RG-178 |
| 2.4 | Connector..... | SMA-Male RP |
| 2.5 | Operating Temp..... | -20℃ ~ +65℃ |
| 2.6 | Storage Temp..... | -30℃ ~ +75℃ |

Mechanical Specification

RoHS COMPLIANT

MECHANICAL

Antenna Cover : TPE

Antenna Base : PC+PBT

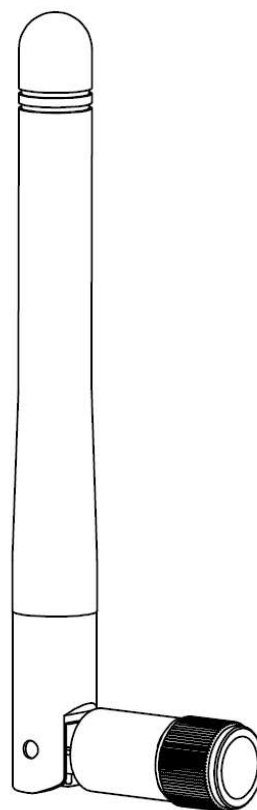
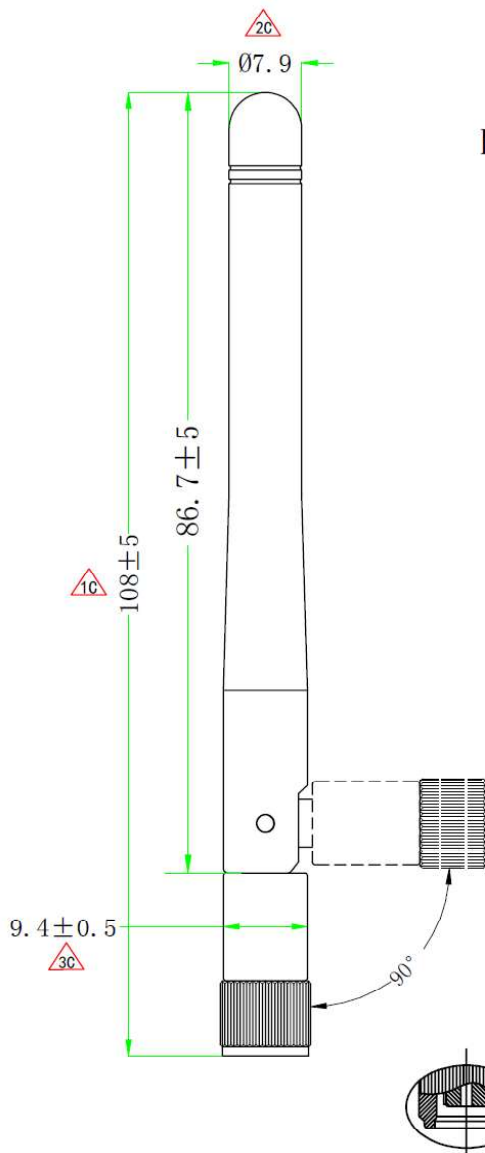
Cable : RG-178

Connector : SMA-MALE RP

Color : Black

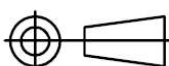
ELECTRICAL

Frequency : 824-960MHz/1710-2170MHz



一外殼POM,內牙鍍鎳

凡標註 記號者為品管檢驗之尺寸。

設計 DR.		核准 APPR.		L/T R		DESCRIPTION		DATE		REQ. BY			
Li jung		Jason		容許公差		TOLERANCE		品名					
2015/07/06		2015/07/06		. XXX		± 0. 20		ARTICLE					
				. XX		± 0. 35							
				. X		± 0. 50							
版本說明		REVISION NOTE		X		± 1. 00		BTEA0087090G8R2A07					
				ANG		± 5							
						單位 UNIT		比例 SCALE		張數 SHEET		版本 REV.	
						mm		****		1		A	



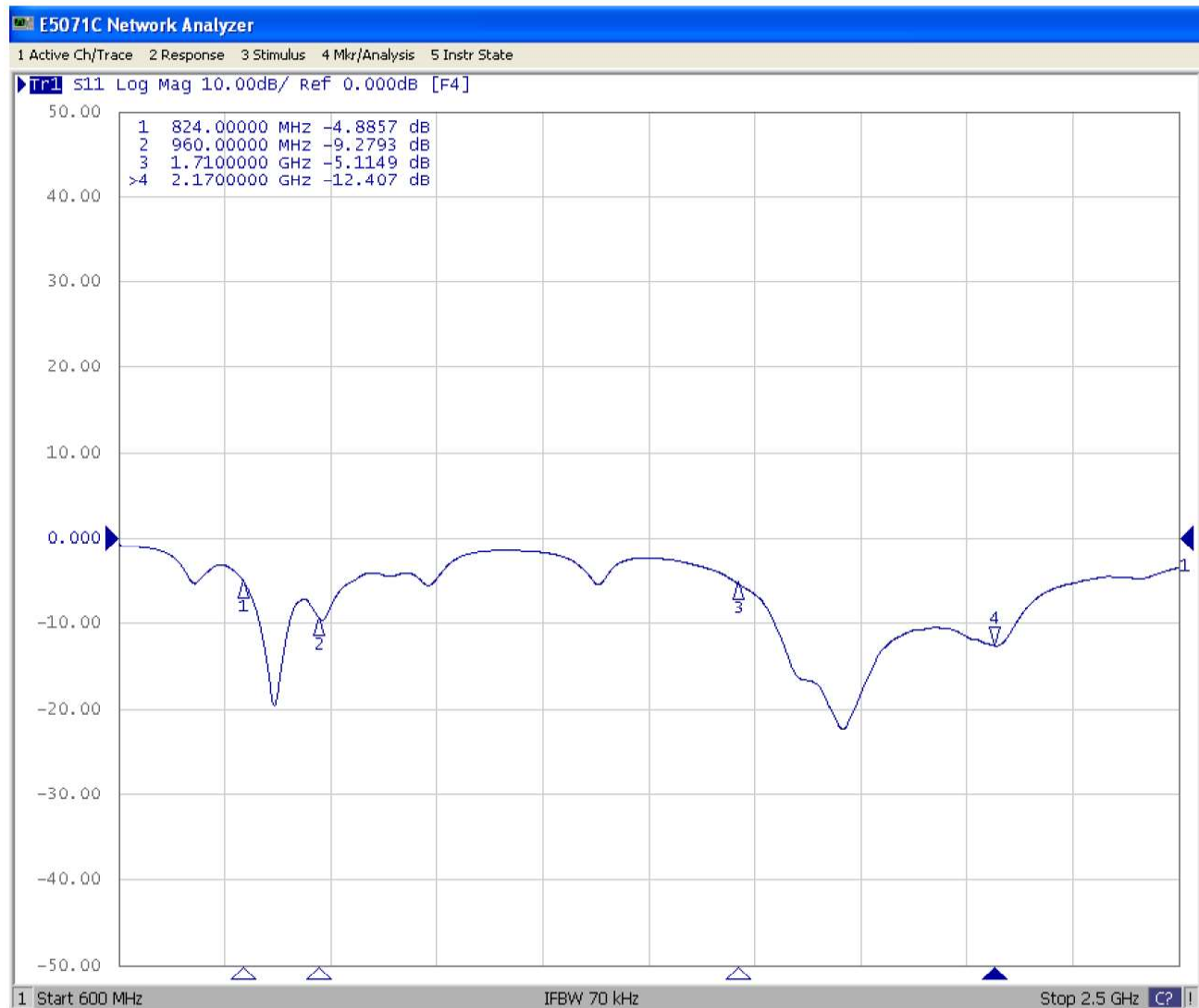
ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

ELECTRICAL CHARACTERISTICS

P/NO: BTEA0087090G8R2A07

Spec: 824~960MHz /1710~2170MHz

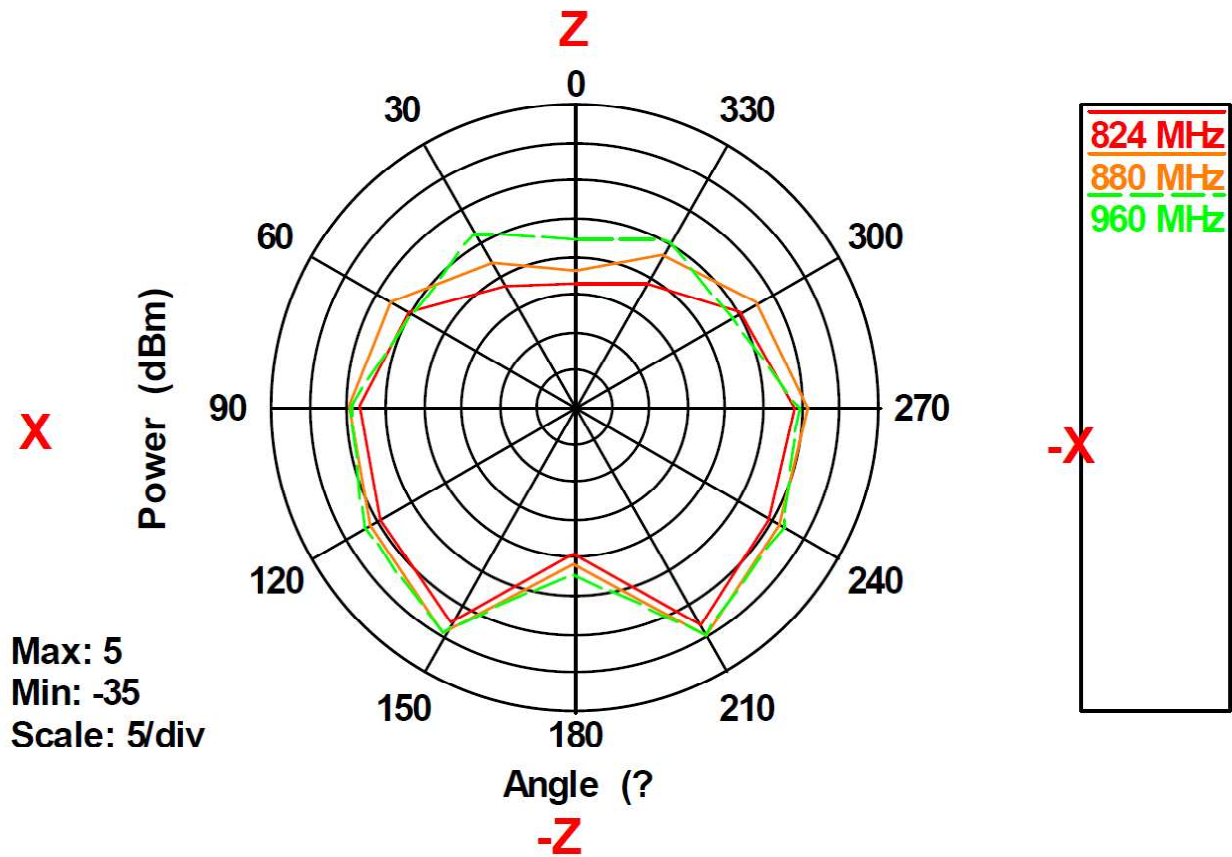
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ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

Frequency(MHz) : 824~960. Pattern Field : X-Z plane

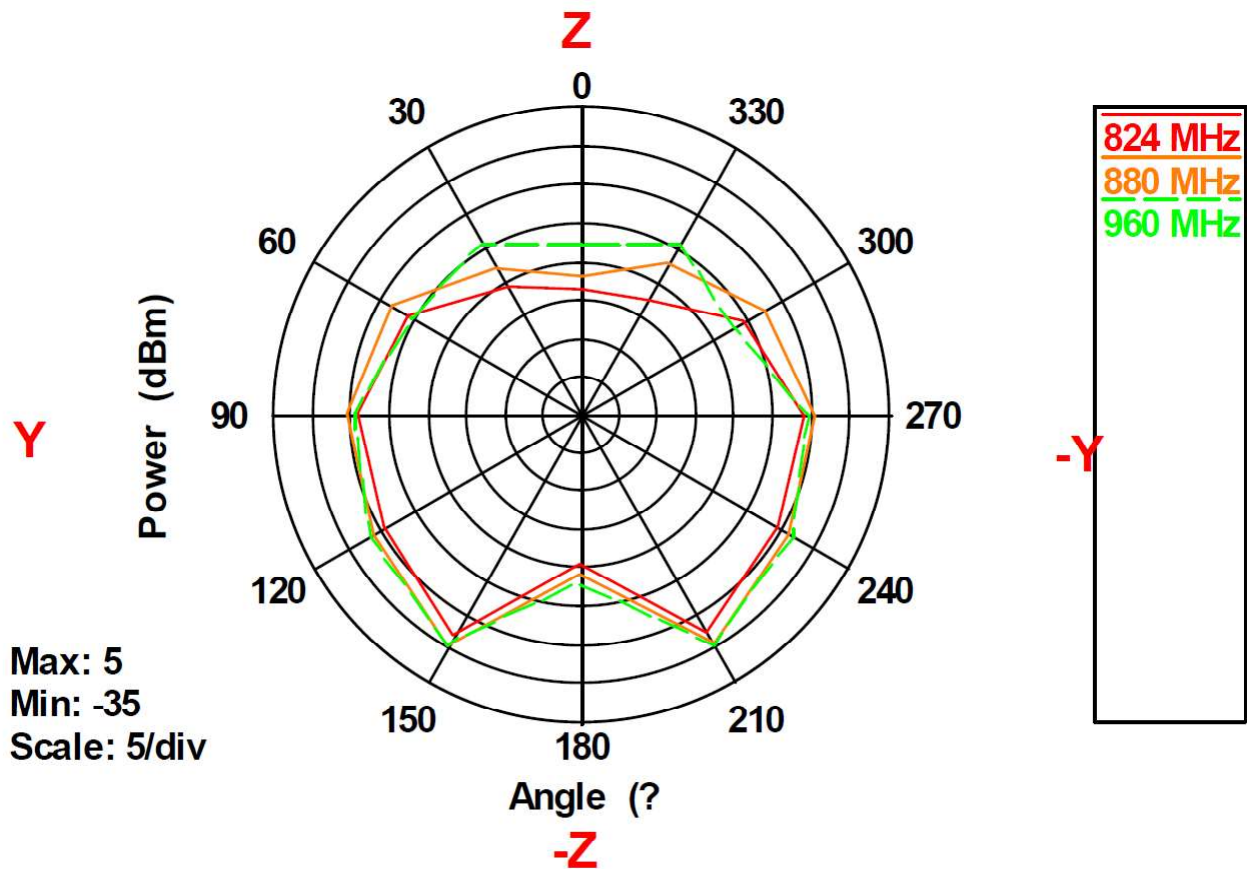


Frequency	Max value	Min value	Average
824(MHz)	-2.29 dB	-18.85 dB	-7.31 dB
880(MHz)	-0.73 dB	-17.10 dB	-5.59 dB
960(MHz)	-0.65 dB	-13.27 dB	-5.52 dB



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

Frequency(MHz) : 824~960. Pattern Field : Y-Z plane

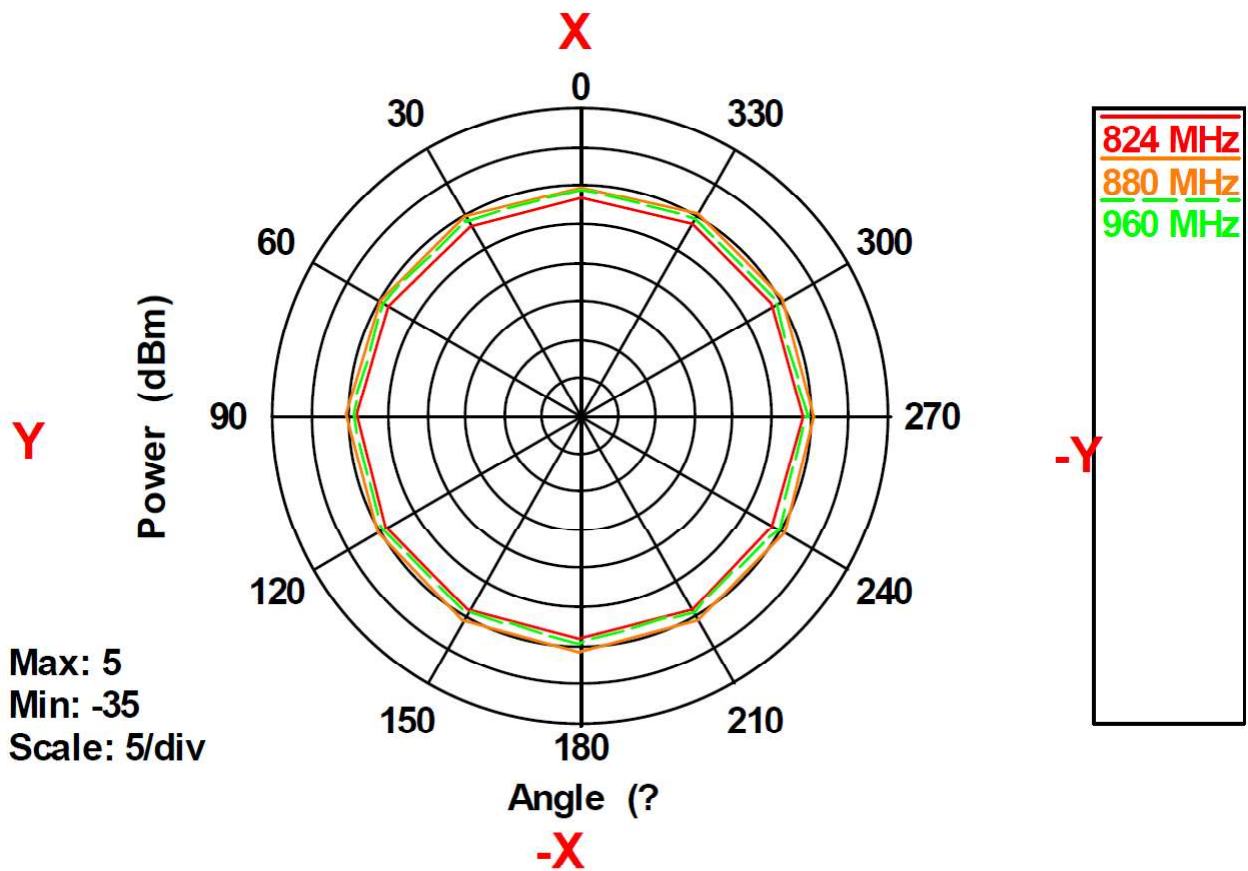


Frequency	Max value	Min value	Average
824(MHz)	-2.27 dB	-18.85 dB	-7.29 dB
880(MHz)	-0.78 dB	-17.10 dB	-5.57 dB
960(MHz)	-0.66 dB	-13.27 dB	-5.51 dB



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

Frequency(MHz) : 824~960. Pattern Field : Y-X plane

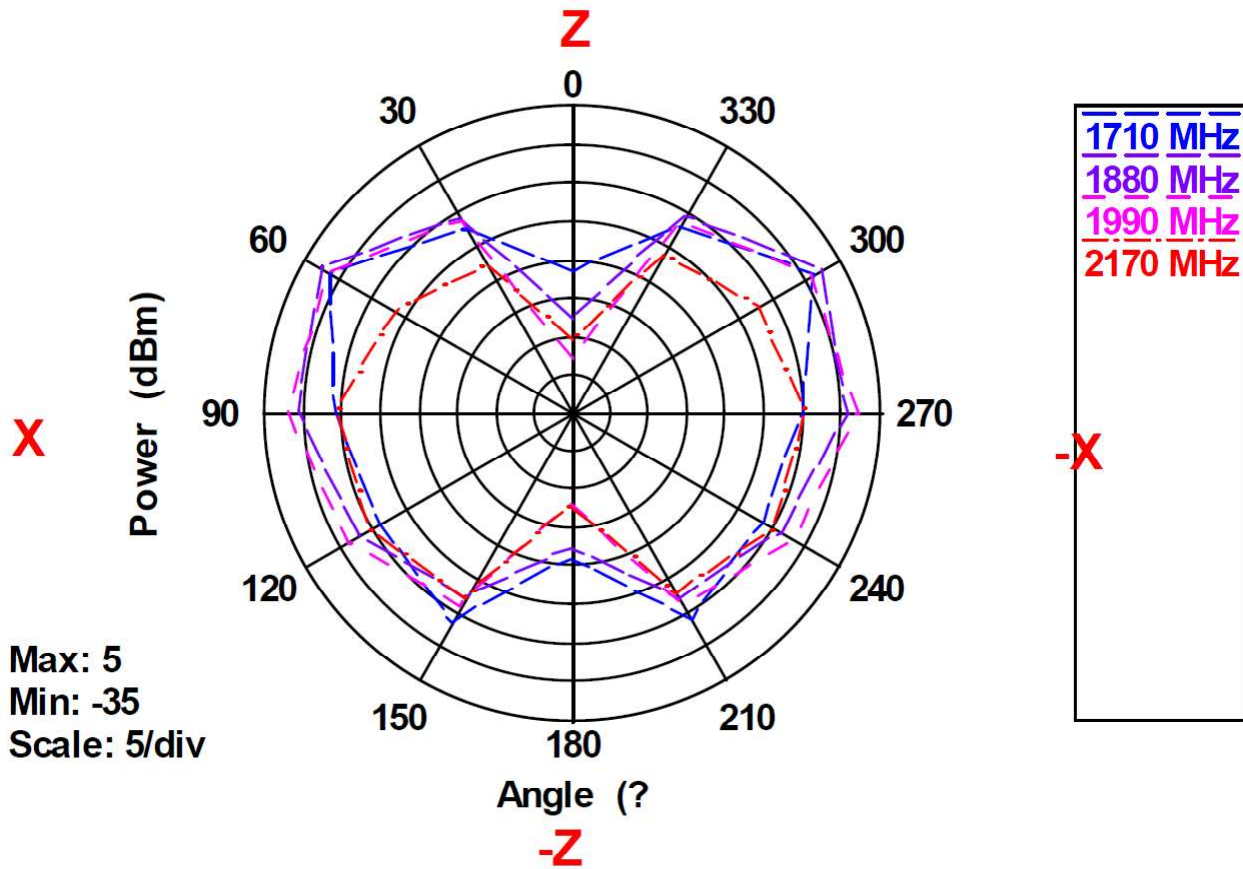


Frequency	Max value	Min value	Average
824(MHz)	-6.15 dB	-7.09 dB	-6.48 dB
880(MHz)	-4.59 dB	-5.46 dB	-4.93 dB
960(MHz)	-5.45 dB	-6.01 dB	-5.71 dB



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Frequency(MHz) : 1710~2170. Pattern Field : X-Z plane

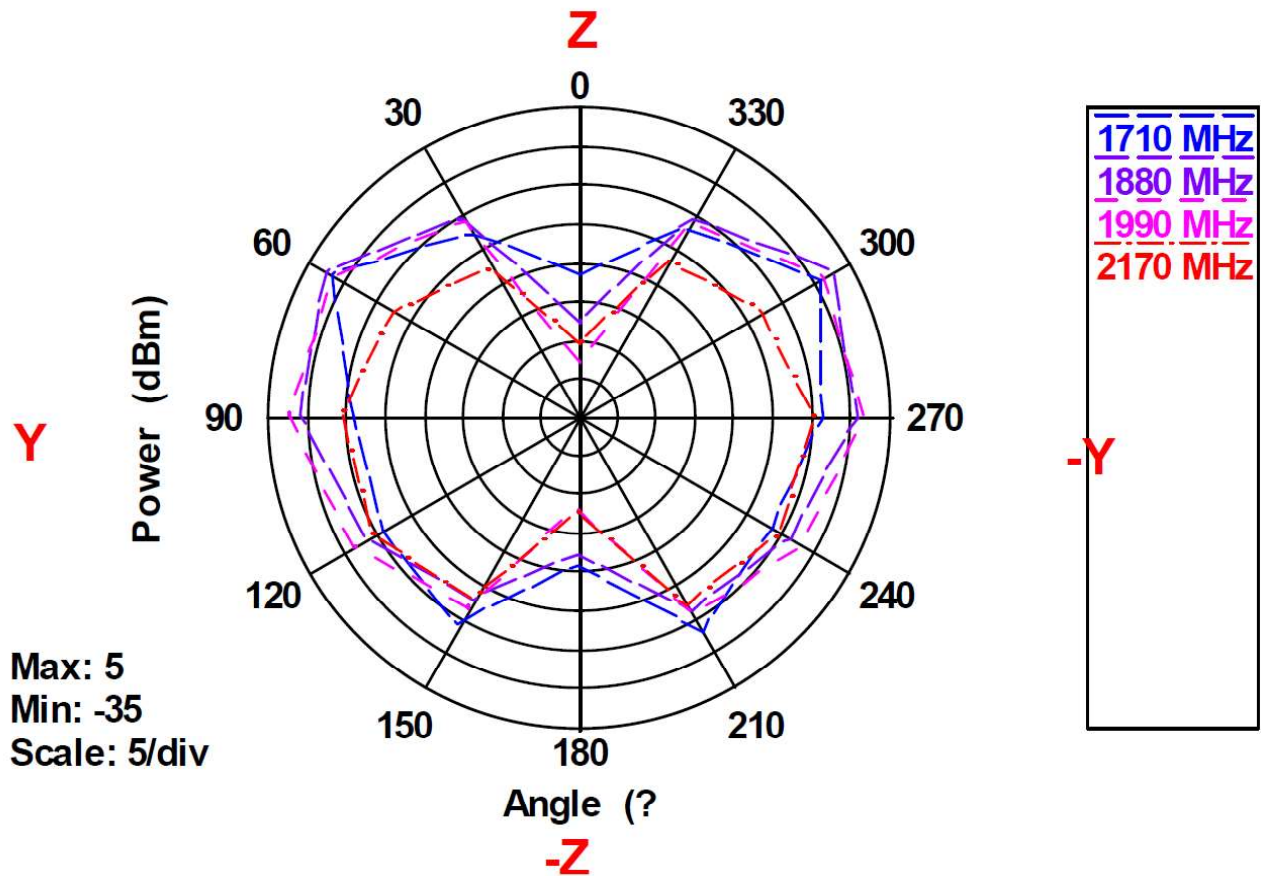


Frequency	Max value	Min value	Average
1710(MHz)	0.82 dB	-17.00 dB	-4.42 dB
1880(MHz)	2.25 dB	-22.99 dB	-2.49 dB
1990(MHz)	1.93 dB	-28.26 dB	-2.27 dB
2170(MHz)	-4.89 dB	-25.83 dB	-8.01 dB



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

Frequency(MHz) : 1710~2170. Pattern Field : Y-Z plane

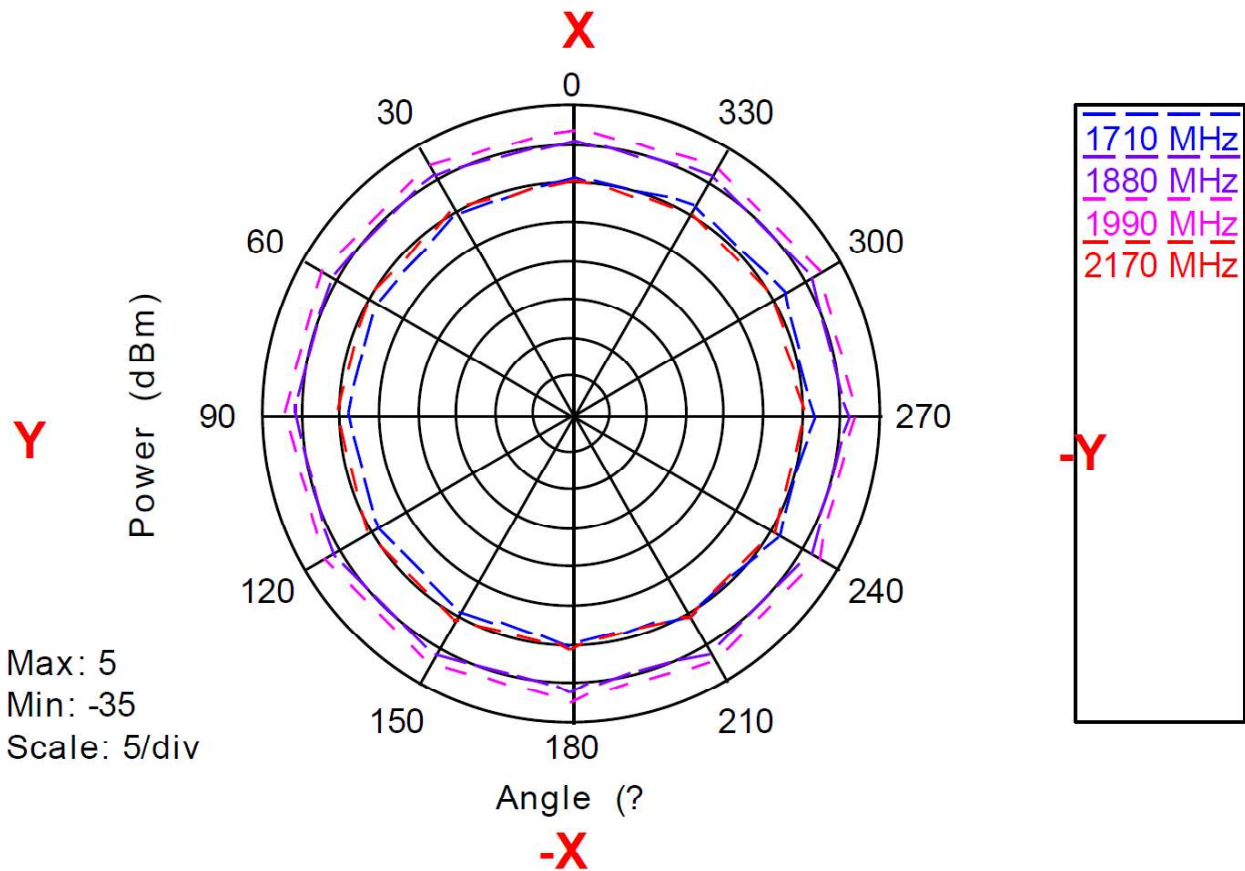


Frequency	Max value	Min value	Average
1710(MHz)	1.39 dB	-17.00 dB	-4.31 dB
1880(MHz)	2.34 dB	-22.99 dB	-2.42 dB
1990(MHz)	1.76 dB	-28.26 dB	-2.31 dB
2170(MHz)	-4.76 dB	-25.83 dB	-8.05 dB



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

Frequency(MHz) : 1710~2170. Pattern Field : Y-X plane



Frequency	Max value	Min value	Average
1710(MHz)	-3.50 dB	-6.20 dB	-4.87 dB
1880(MHz)	0.73 dB	0.38 dB	0.57 dB
1990(MHz)	1.93 dB	1.73 dB	1.83 dB
2170(MHz)	-4.70 dB	-5.03 dB	-4.86 dB