Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

Series: AP5881

Ampak PART NUMBER:
PART NUMBER:TZ2412W

樣品承認書
SPECIFIATION FOR APPROVAL

Customer Name: Ampak Technology Corporation
Model Name: AP5881
Customer Part No. :
Pulse Part No:TZ2412W
Product Mode: China

客戶承認			
核准	審核	承認者	承認單位

Pulse	
審核	製作

供應商：新加坡商普思電子有限公司
供應商英文:PULSE ELECTRONICS (SINGAPORE) PTE LTD

en author

RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

ELECTRICAL SPECIFICATIONS

Antenna Type	WiFi-6e External
Frequency	2.4~2.5/5.15~5.85GHz 5.925~7.125GHz
Nominal Impedance	50 Ω
VSWR	3.0(Max)
Radiation	Omni-directional
Polarization	Linear
Power Withstanding	1W

MECHANICAL SPECIFICATIONS

Antenna Cover	TPEE
Antenna Base	PC + PBT
Connector type	SMA-PLUG
Cable type)	RG-178
Color	White

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20~65° C
Storage Temperature	-30~75° C
RoHS Compliant	Yes
Life Time	1 year

RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

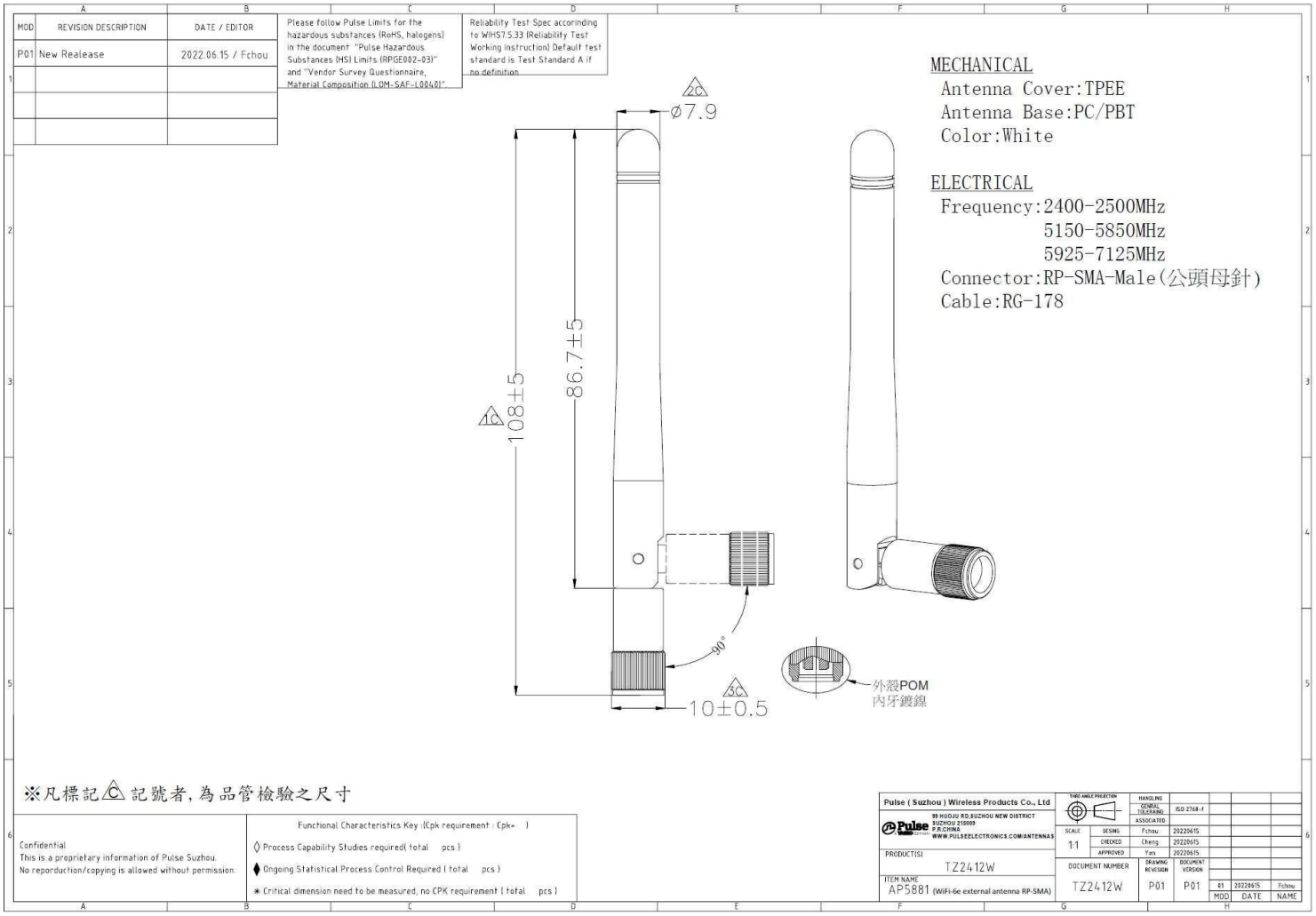
TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

MECHANICAL DRAWING



RoHS COMPLIANT

Description:
WIFI-6E EXTERNAL ANTENNA

Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

S11

RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

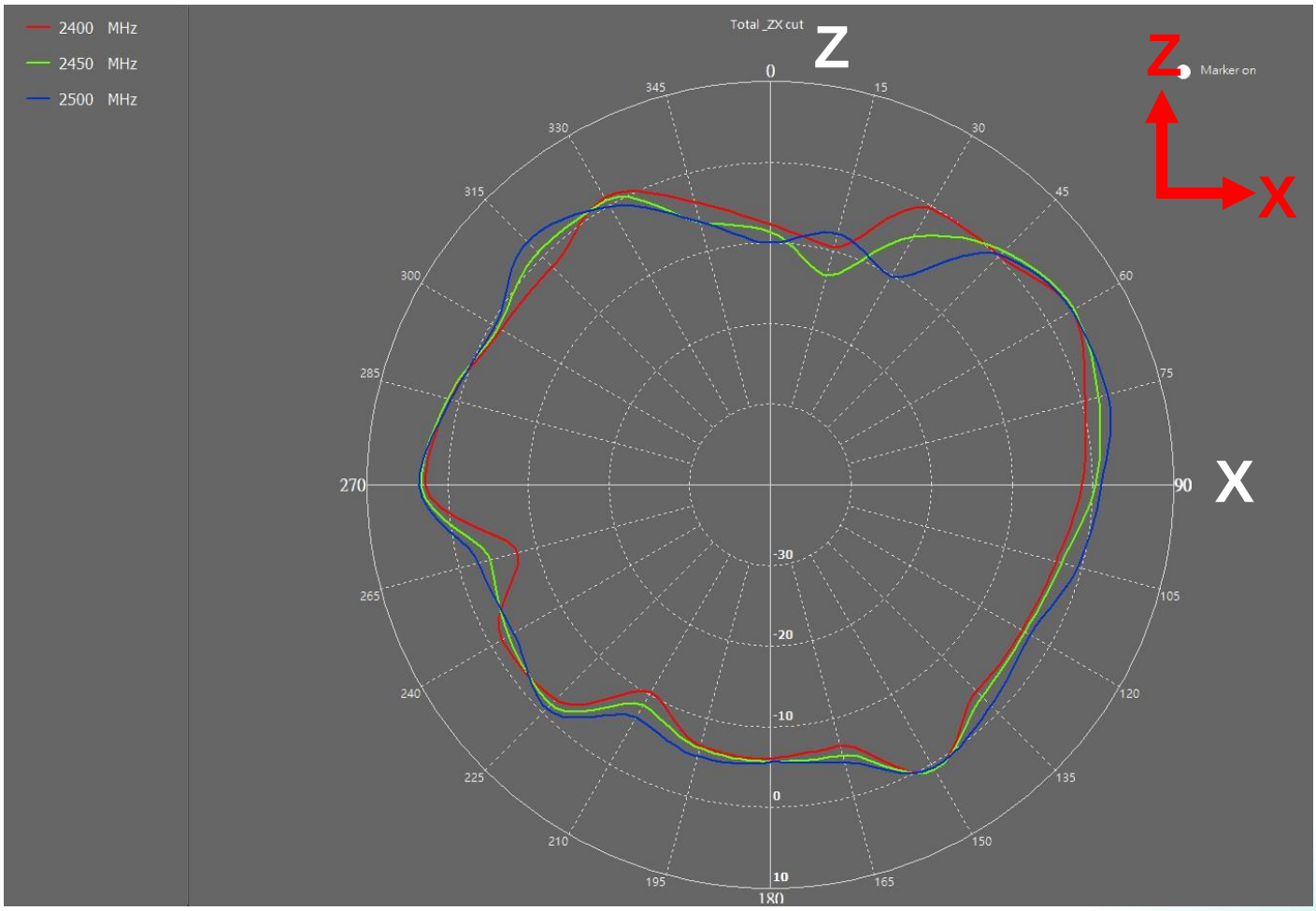
Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

2D Gain Pattern 2400-2500MHz

ZX cut



RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

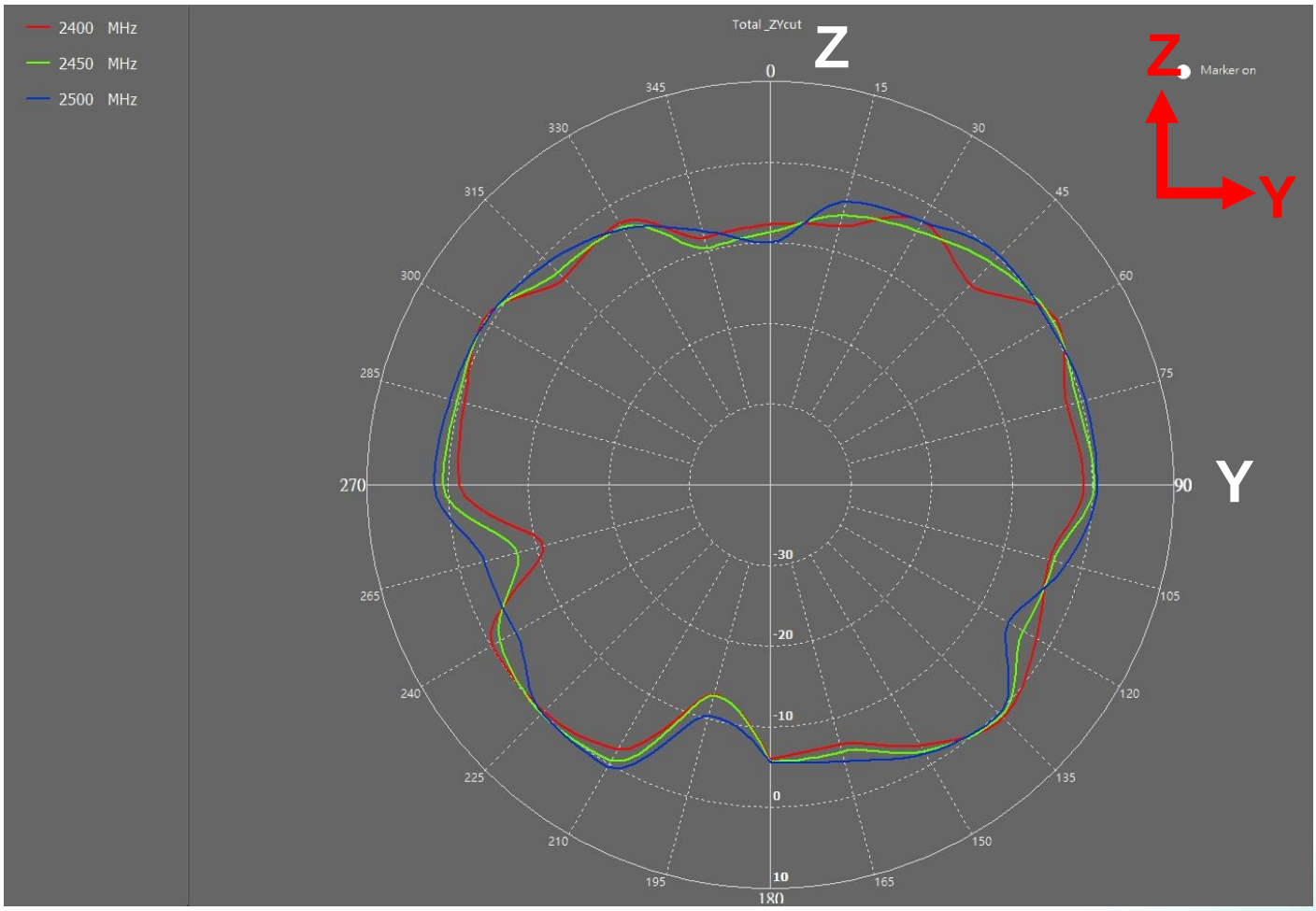
Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

2D Gain Pattern 2400-2500MHz

ZY cut



RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

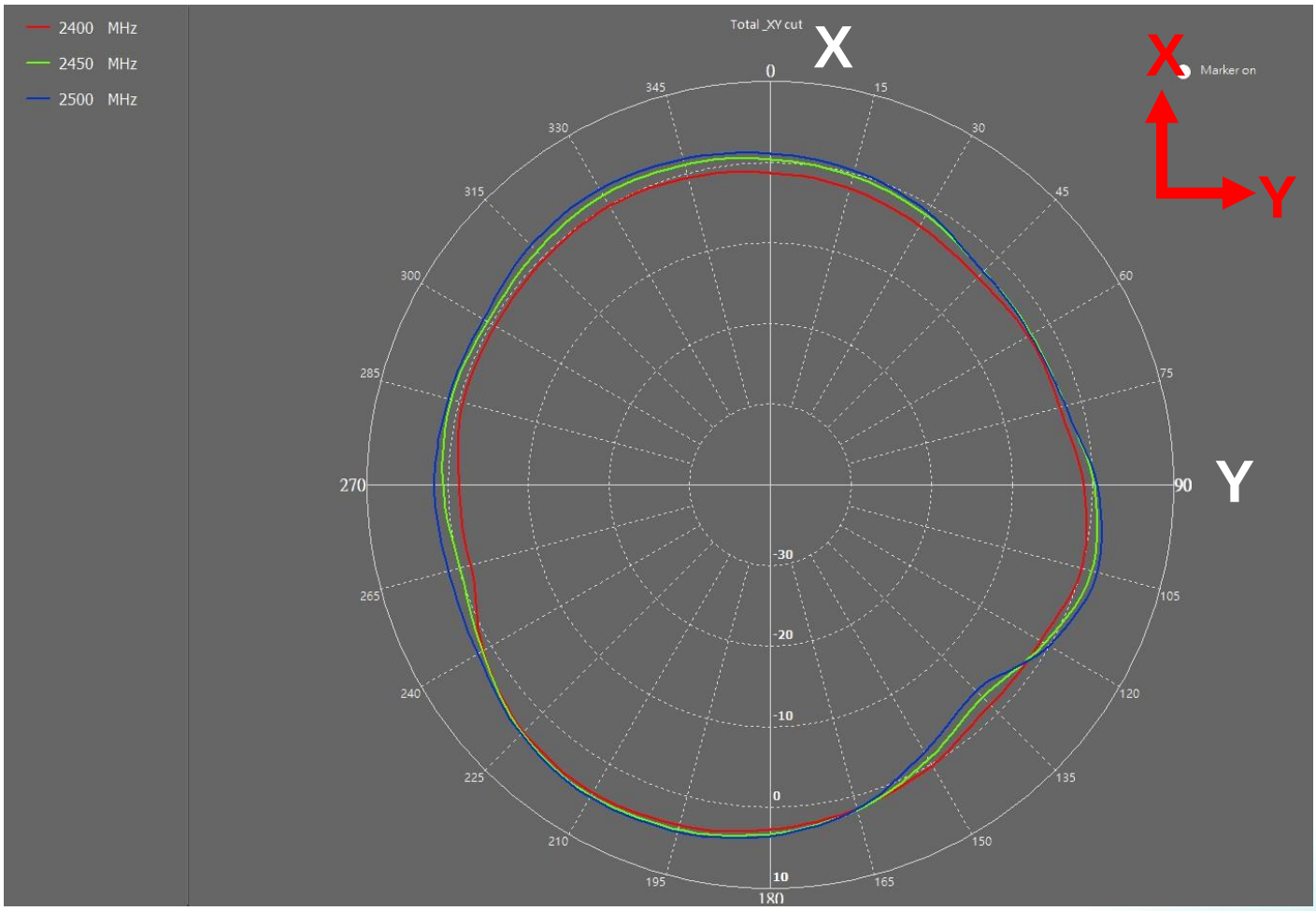
Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

2D Gain Pattern 2400-2500MHz

XY cut



RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

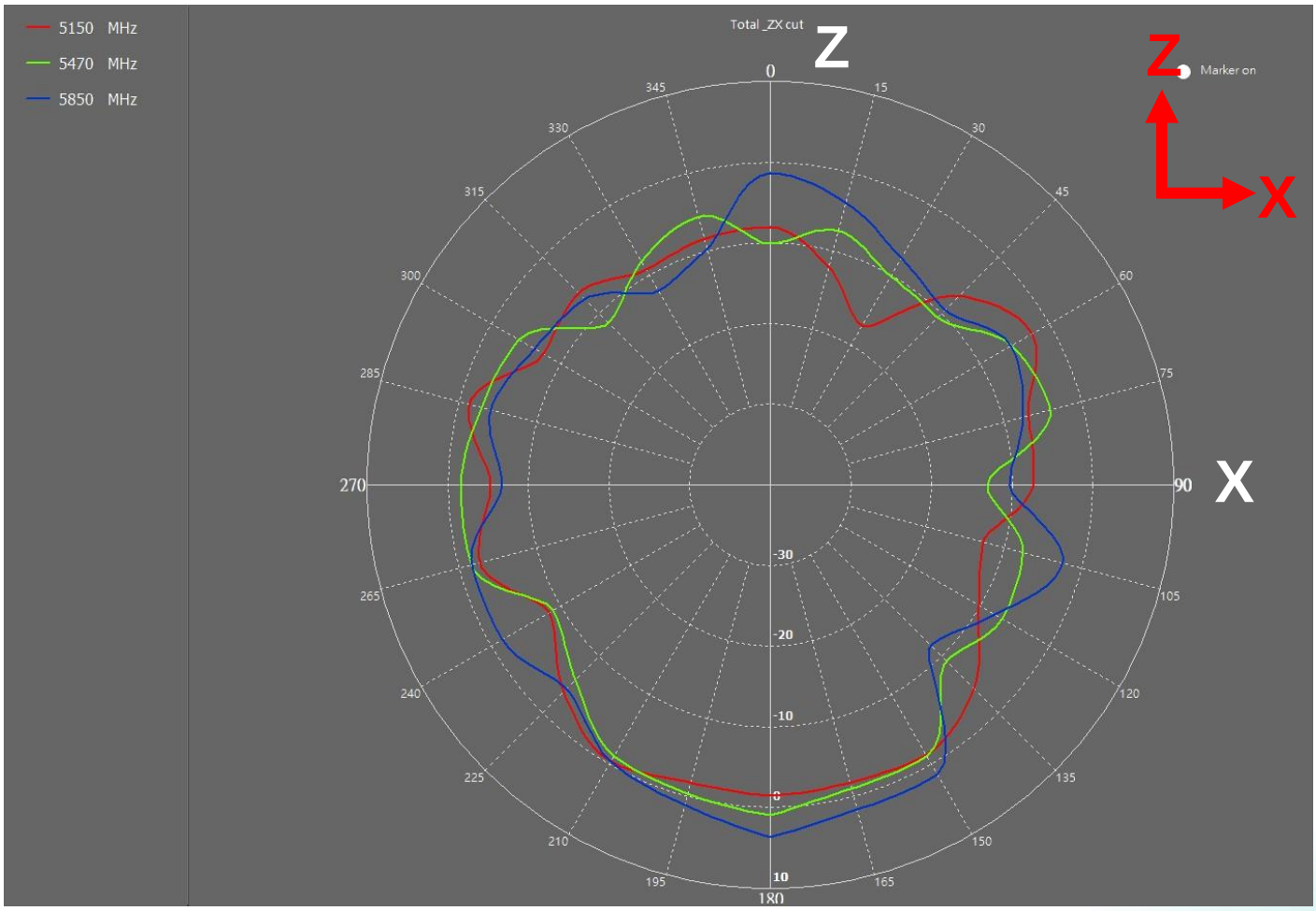
Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

2D Gain Pattern 5150~5850MHz

ZX cut



RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

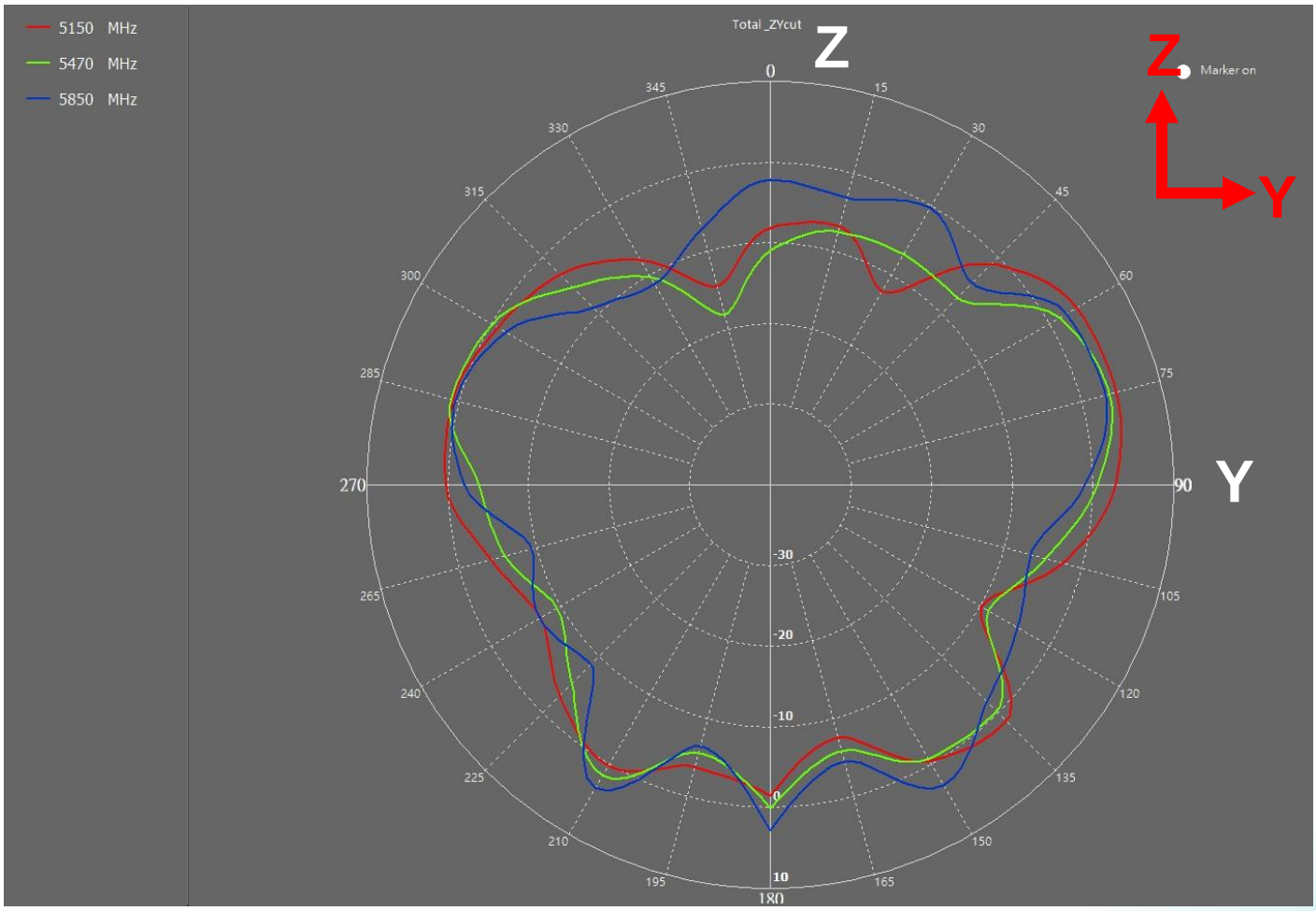
Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

2D Gain Pattern 5150~5850MHz

ZY cut



RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

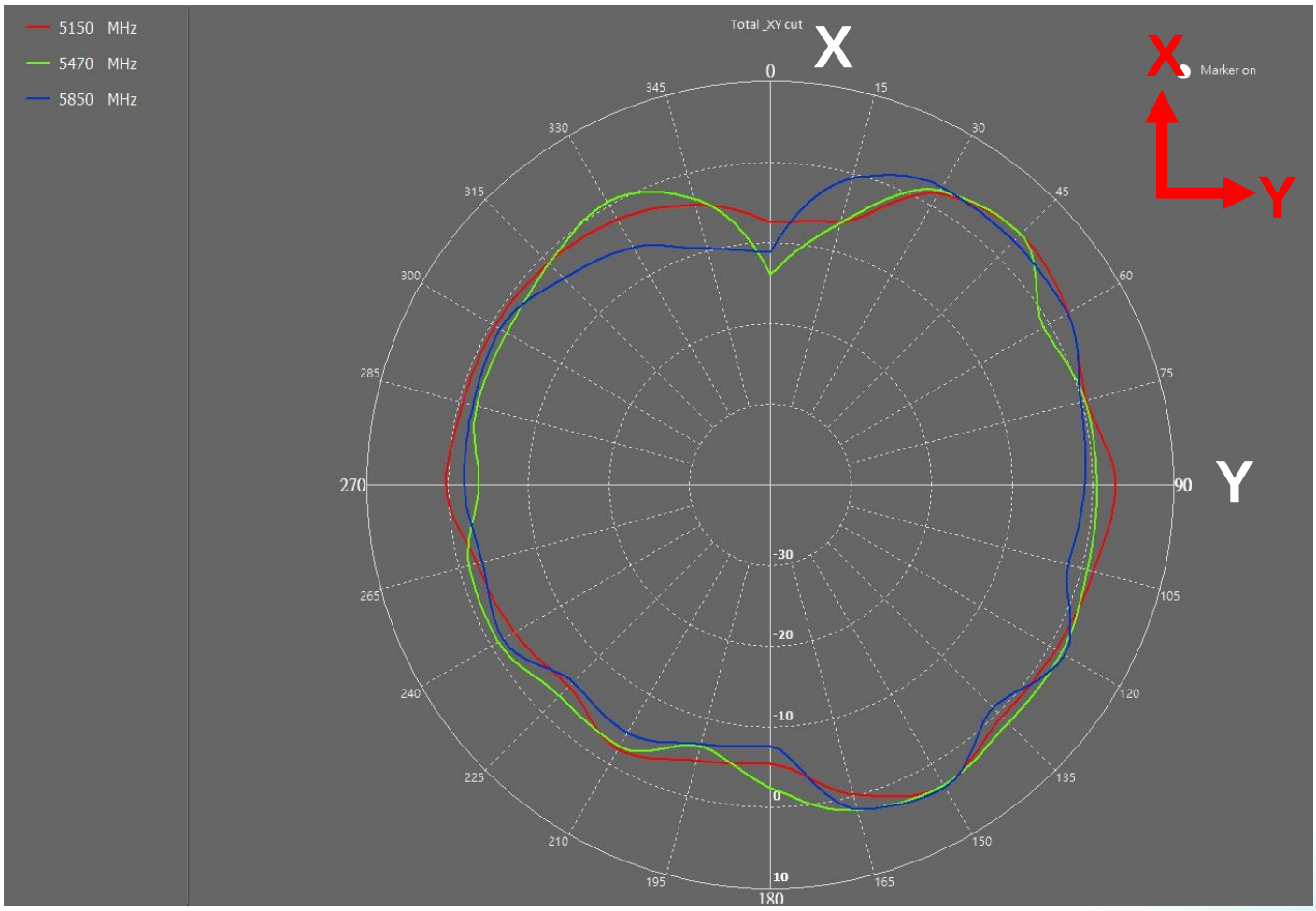
Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

2D Gain Pattern 5150~5850MHz

XY cut



RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

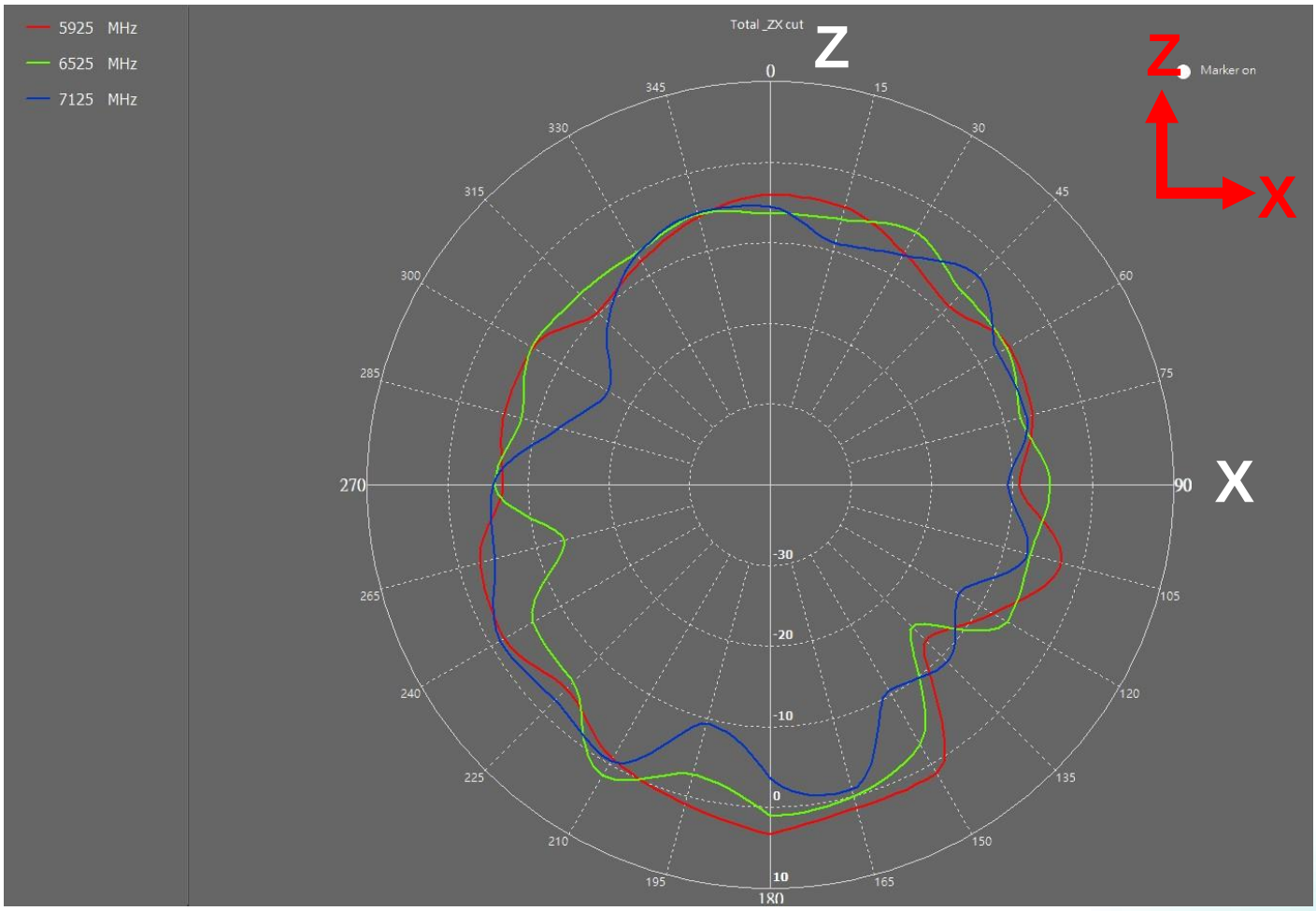
Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

2D Gain Pattern 5925~7125MHz

ZX cut



RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

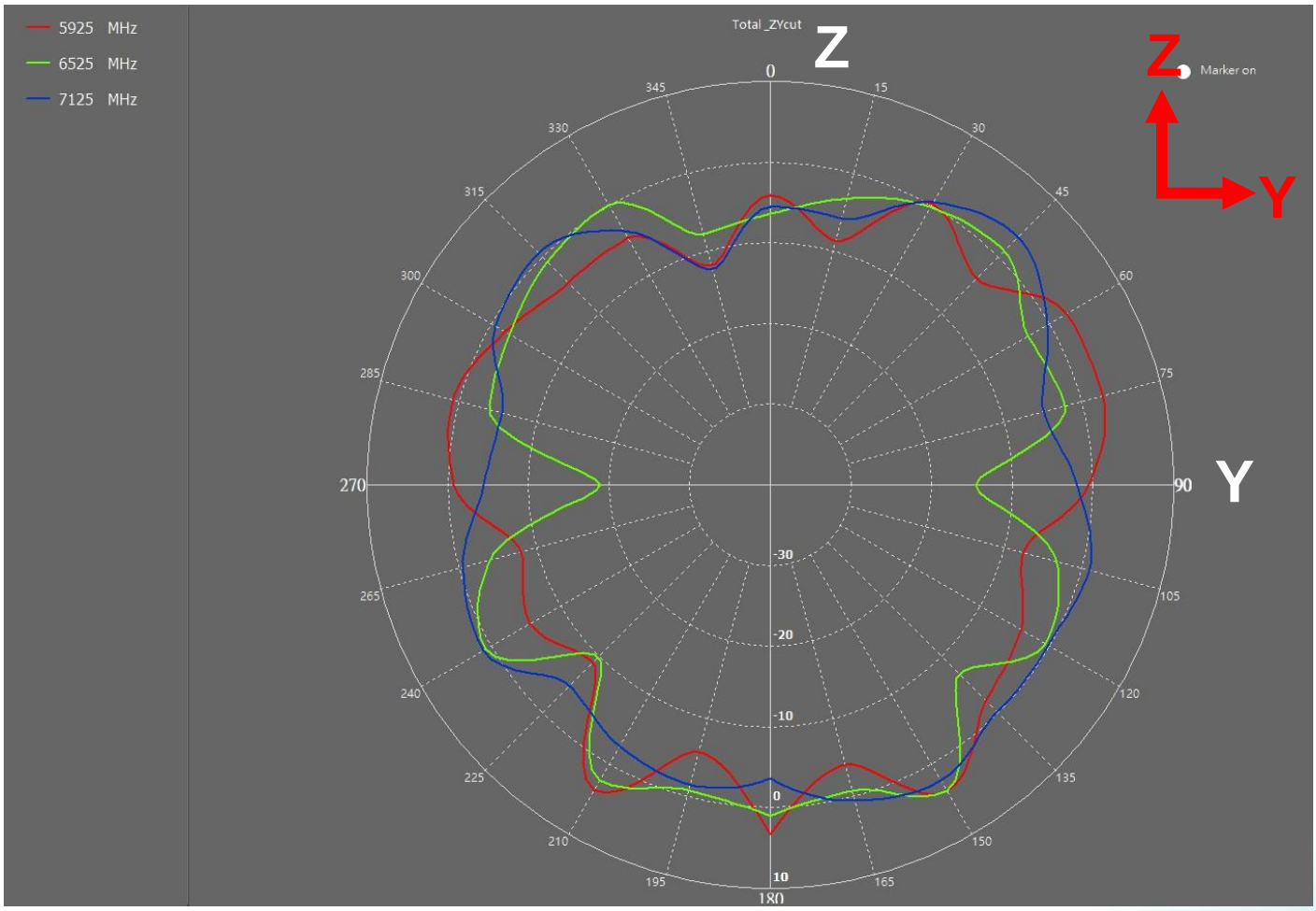
Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

2D Gain Pattern 5925~7125MHz

ZY cut



RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

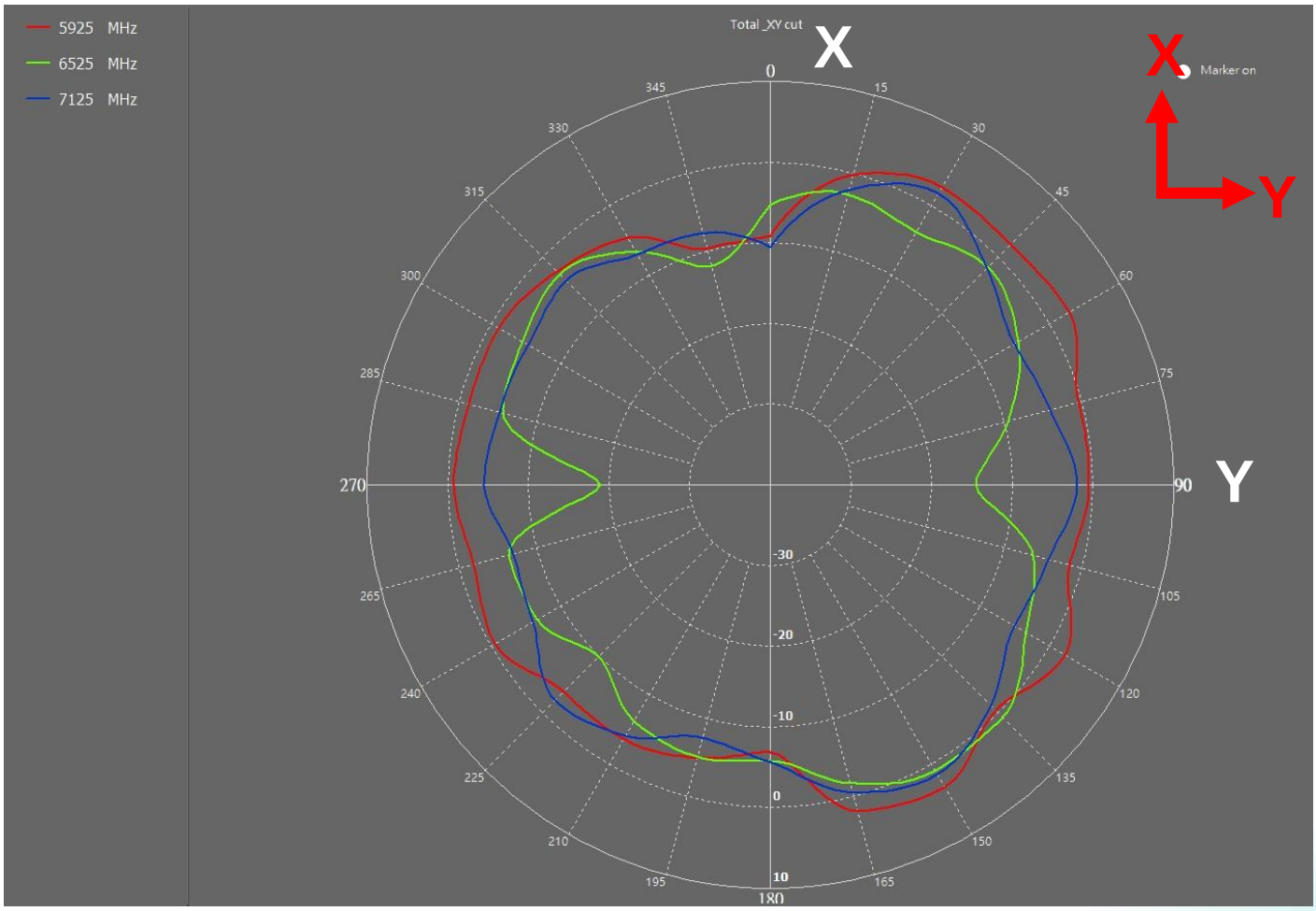
Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

2D Gain Pattern 5925~7125MHz

XY cut



RoHS COMPLIANT

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description:
WIFI-6E EXTERNAL ANTENNA

Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

TEST REPORT

3D Peak Gain & Efficiency List Table

Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Peak Gain(dBi)
2400	-1.03	79%	3.53
2450	-0.95	80%	3.49
2500	-0.80	83%	3.68

Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Peak Gain(dBi)
5150	-1.18	76%	4.21
5250	-0.84	82%	4.07
5350	-1.64	69%	4.52
5470	-1.57	70%	4.37
5600	-0.91	81%	4.45
5725	-0.92	81%	4.09
5785	-0.94	81%	4.65
5850	-1.25	75%	4.05

Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Peak Gain(dBi)
5925	-0.92	81%	4.25
6025	-0.81	83%	4.41
6125	-0.78	84%	4.62
6225	-1.19	76%	4.26
6325	-1.37	73%	4.57
6425	-1.35	73%	4.53
6525	-1.46	71%	4.44
6625	-0.96	80%	4.27
6725	-0.55	88%	4.51
6825	-0.87	82%	4.53
6925	-0.84	82%	4.05
7025	-1.03	79%	4.58
7125	-1.23	75%	4.59

RoHS COMPLIANT

Description:
WIFI-6E EXTERNAL ANTENNA

Series: AP5881

Ampak PART NUMBER:
PART NUMBER: TZ2412W

Revision History

Revision	Date Change Notification	Description
P01	2022.06.15	New Release
		.

RoHS COMPLIANT