

承認書

Product Specification

Rev.A.1

客戶名稱：Fujifilm

CUSTOMER

適用機種：DSC

APPLICATION

廠 商：Kyocera AVX

SUPPLIER

End Customer料號: N/A

PART NUMBER

Customer料號: N/A

PART NUMBER

KAVX 料號：5004883-5004910

PART NUMBER

承認日期：May 2026

APPROVAL DATE

提供者簽章: Lynn Chiu

PROVIDER BY

審核者簽章: Grace Wu

REVIEW BY

承認人簽章：Vincent Chen

APPROVE BY



香港商京瓷安施元件紅磡有限公司臺灣分公司
115 臺北市南港區園區街3號二樓之七(南港軟體工業園區G棟)
KYOCERA AVX Components (Hunghom) Limited Taiwan Branch
(Building G) 2F-7, No. 3, Yuanqu St., Nangang District,
Taipei City 115, Taiwan (R.O.C)

聯絡人：陳秉鈞
Vincent Chen
分 機：261

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1. Purpose and Scope

The purpose of this document is to establish a design specification for the antenna product that Kyocera AVX is developing for DSC. Any changes or additions to this specification can affect schedule, cost or the product and should be negotiated between Kyocera AVX and Fujifilm before being incorporated into the specification. Upon agreement of this specification, Kyocera AVX will make no changes without the written approval from Fujifilm. Any changes requested by Fujifilm will be given to Kyocera AVX with sufficient time to evaluate the cost impact and reach as required.

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2. Abbreviations and Definitions

AVG	Average
°	Degree
°C	Celsius (degrees Centigrade)
cm	Centimeter
G	Gravitational Force
g	Grams
Hz	Hertz
In	Inches
IQC	Incoming Quality Control
MHz	Megahertz
m	Meter
mm	Millimeter
N	Newton
PCB	Printed Circuit Board
TX	Transmit Band
RH	Relative Humidity
RX	Receive Band
VSWR	Voltage Standing Wave Ratio
W	Watt

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3. Electrical Specification For

3.1 Frequency Band

Mode	Frequency Band (MHz)
WiFi	2400-2500, 5150-7125

3.2 Electrical Characteristics

Antenna Model	DSC	
Antenna PN	5004883-5004910	
Antenna Type	Dipole	
Polarization	Linear	
Radiation pattern	Omni-directional	
Connector	MHF4L	
Cable Type	Φ0.81mm	
Cable Length	90mm	
Impedance	50Ω	
Frequency	2400~2500MHz	5150~7125MHz
VSWR	3.36 Max	3.17 Max
Peak Gain (dBi)	2.08~2.96	2.88~4.74

Description	Tester	Measured Date
Measured	Lynn Chiu	3/18/2026

3.2.1 VSWR

3.2.2 S11

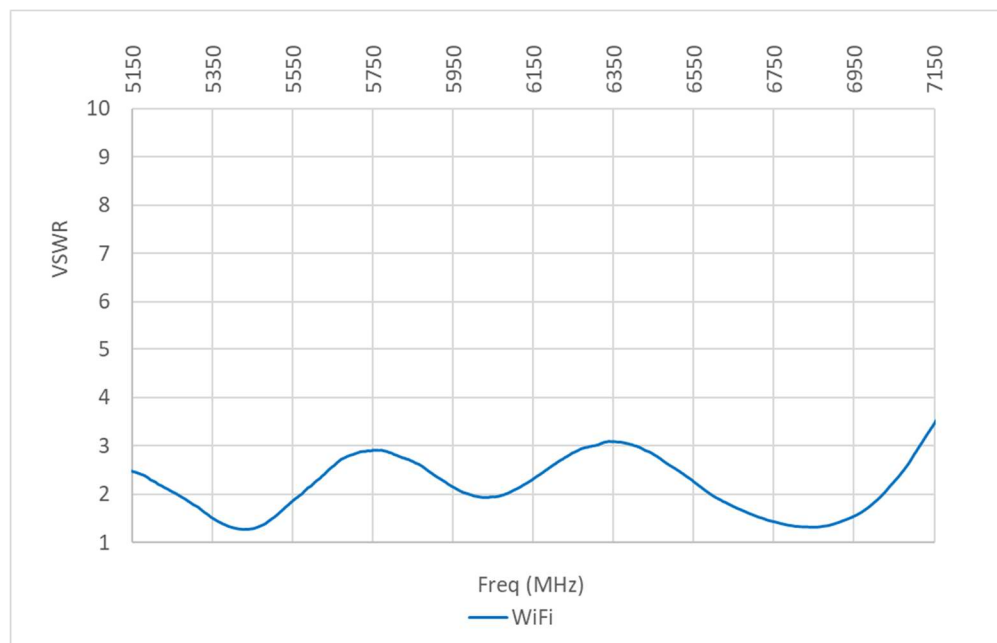
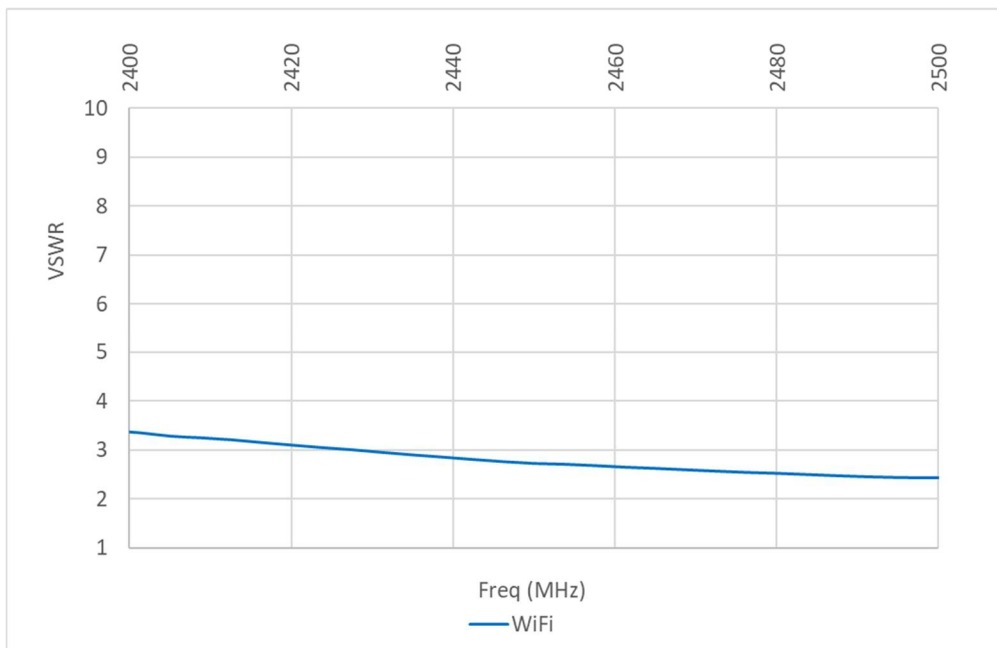
3.2.3 Passive Measurement

Please refer to the next few pages.

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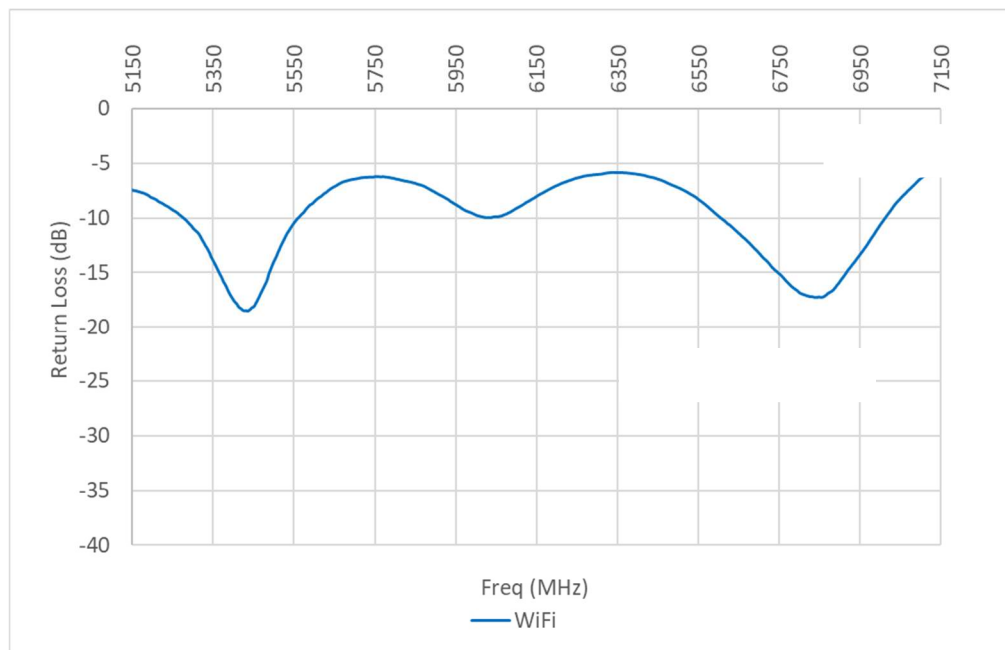
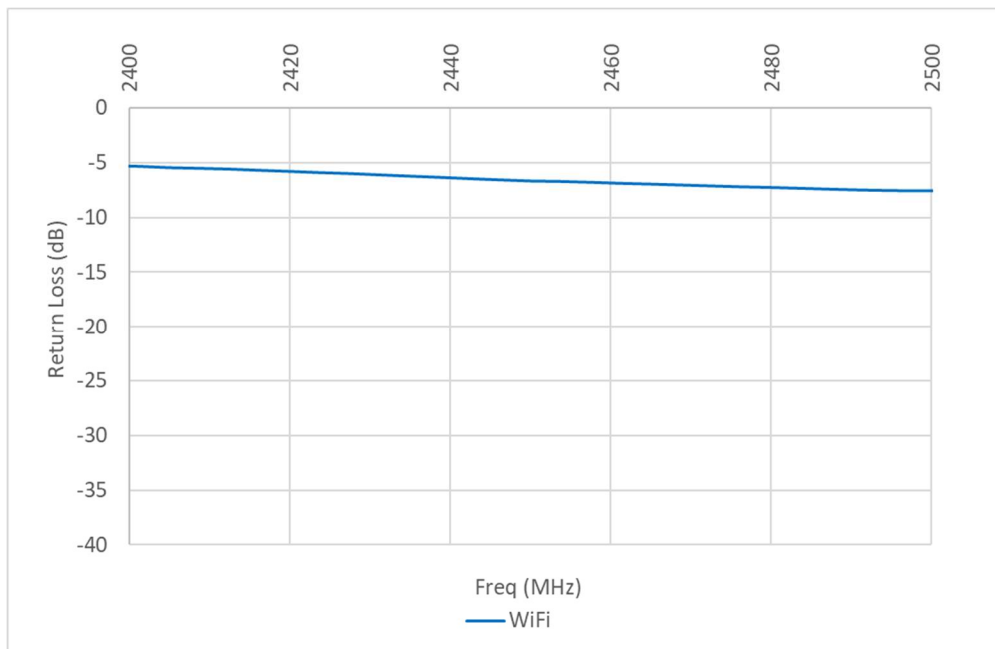
3.2.1 VSWR



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3.2.2 S11

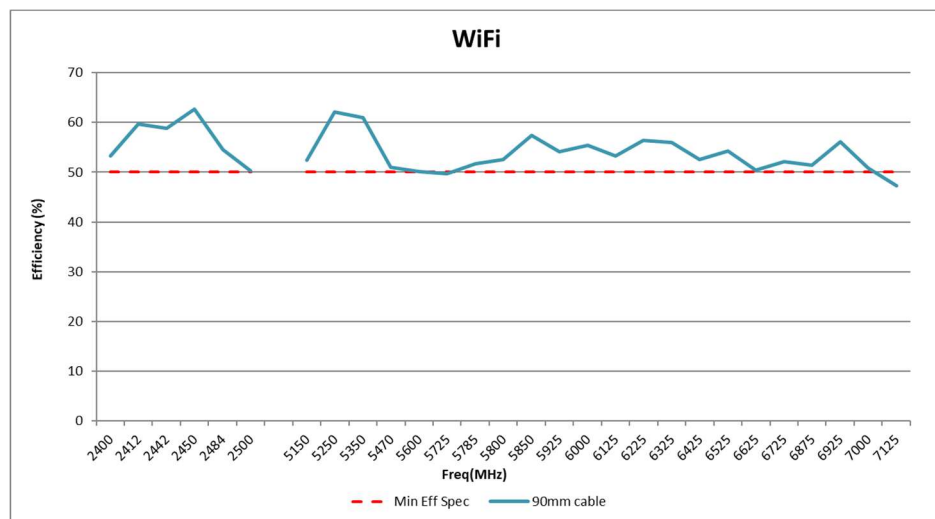


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3.2.3 Passive Measurement

Frequency Band	90mm cable			
WLAN	2026/3/18			
	Free Space			
	MHz	Efficiency (%)	3D Gain (dB)	Peak Gain(dBi)
2.4G Band	2400	53.2	-2.7	2.08
	2412	59.7	-2.2	2.47
	2442	58.9	-2.3	2.55
	2450	62.7	-2.0	2.96
	2484	54.6	-2.6	2.75
	2500	50.2	-3.0	2.39
5G Band	5150	52.4	-2.8	3.19
	5250	62.1	-2.1	3.72
	5350	61.0	-2.2	3.49
	5470	51.1	-2.9	3.03
	5600	50.1	-3.0	2.88
	5725	49.7	-3.0	3.49
	5785	51.6	-2.9	4.06
	5800	52.5	-2.8	4.21
	5850	57.4	-2.4	4.04
6G/ 7G Band	5925	54.1	-2.7	4.12
	6000	55.3	-2.6	4.08
	6125	53.2	-2.7	3.70
	6225	56.4	-2.5	3.44
	6325	56.0	-2.5	3.31
	6425	52.6	-2.8	4.36
	6525	54.2	-2.7	4.48
	6625	50.4	-3.0	4.21
	6725	52.1	-2.8	3.97
	6875	51.4	-2.9	3.98
	6925	56.1	-2.5	4.74
	7000	50.8	-2.9	4.74
	7125	47.3	-3.3	3.40

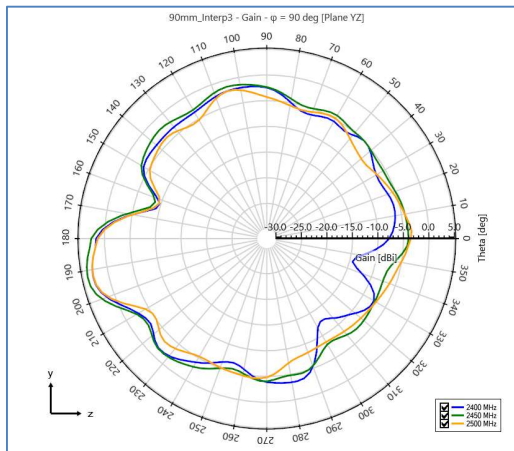
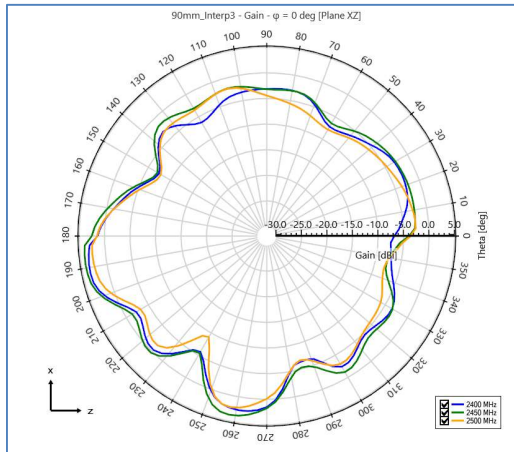
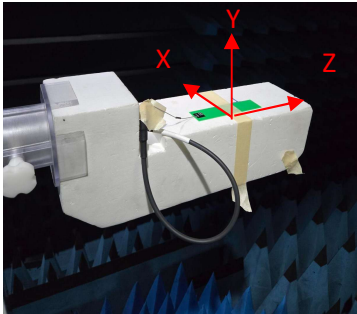
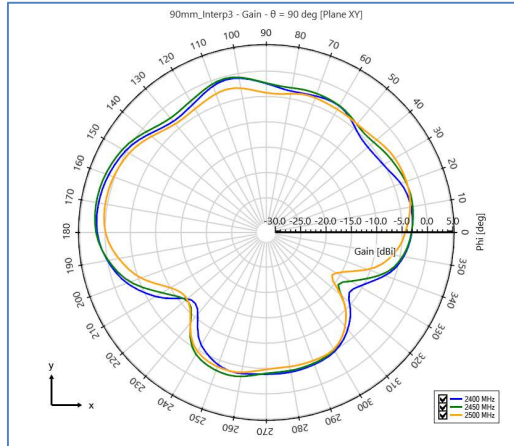
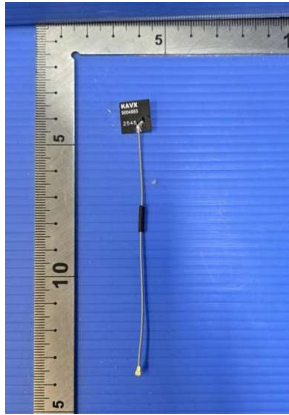


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3.3 2D Cut-View

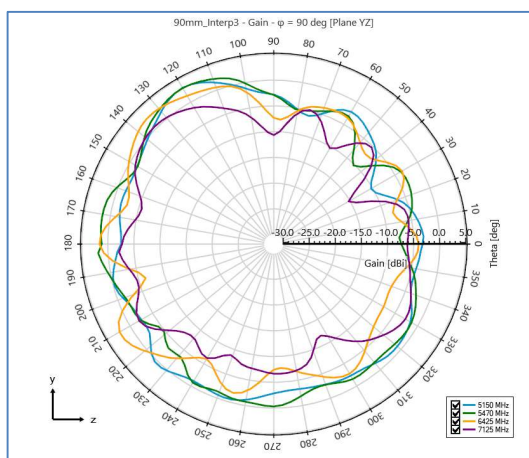
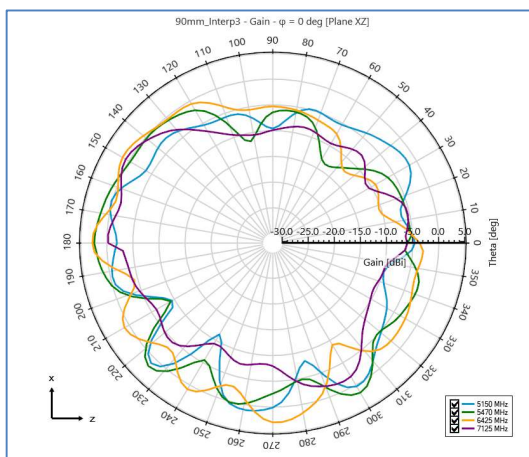
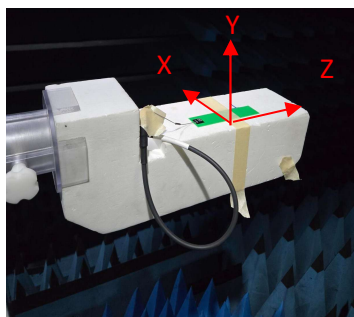
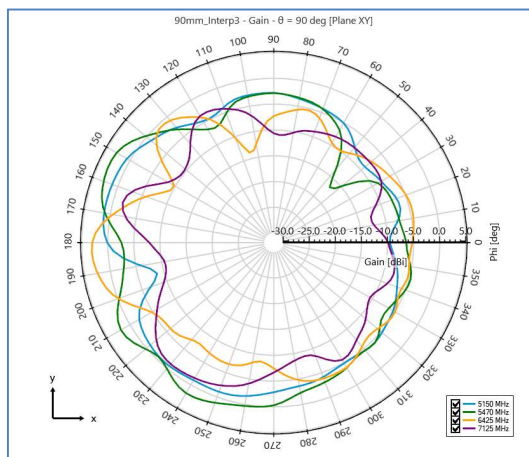
2.4G Band



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5-7G Band



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4. Drawing and Materials

4.1 Drawing of Internal Antenna

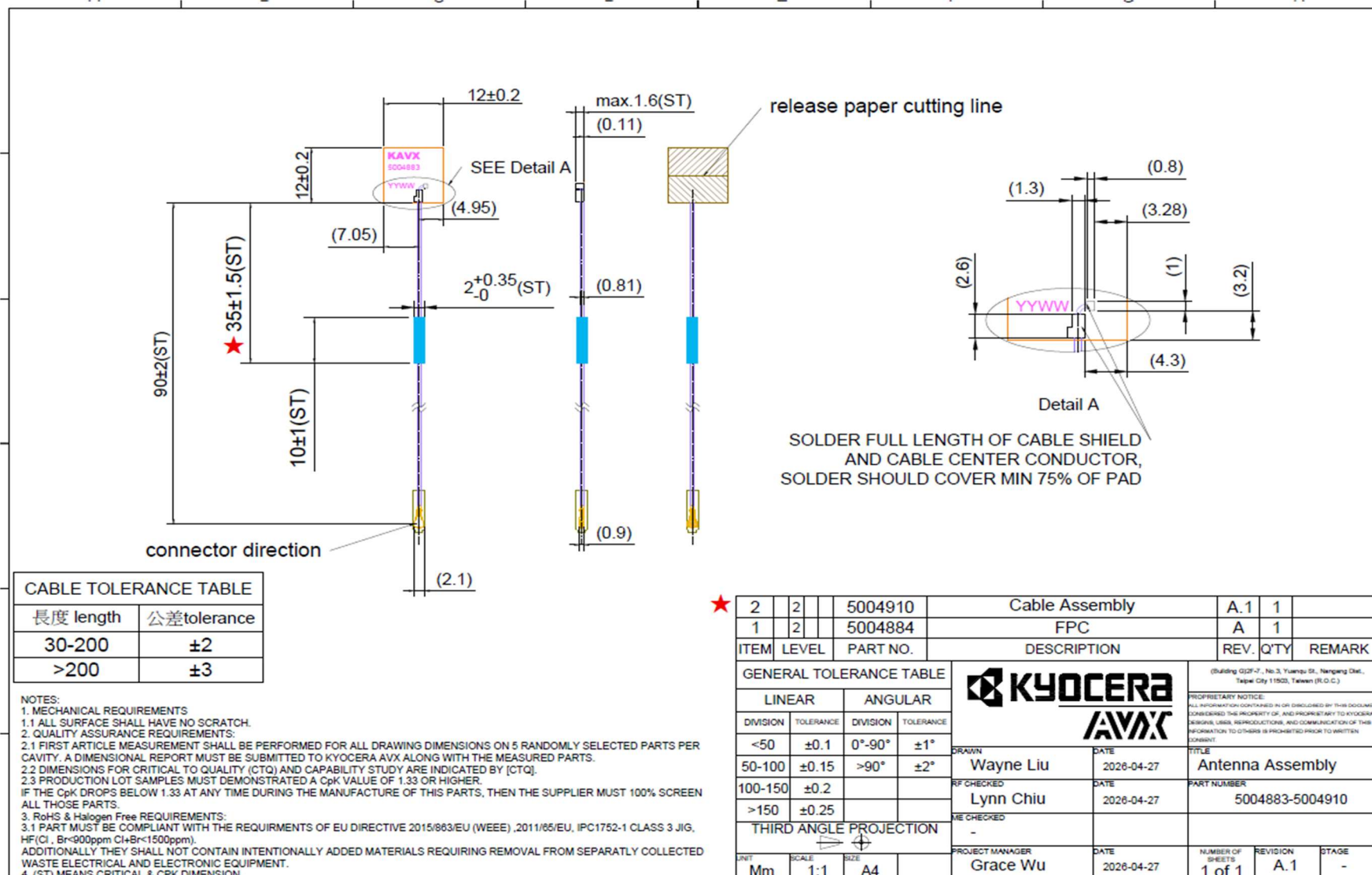
4.2 Part List

Part Name	Material	BOM	Finish
KAVX P/N: 5004883-5004910	FPC	5004884	KAVX
	Cable Assembly	5004910	

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4.1 Drawing of Internal Antenna



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5. Caution For Use

5.1 Storage

- * Please keep the product away from high temperature and high humidity.
- * Please keep product away from corrosive gases such as hydrogen sulfide, sulfurous acid, chlorine, ammonia, etc... The acid could cause the metal antenna to corrode degrading antenna performance.

5.1.1 Storage Condition 1

Temperature:	5 to 35 °C
Humidity:	45 to 75 %RH
Period:	6 months from date of packaging

5.2 Handling

- * It is important to handle the antenna carefully and bending or dents made into the metal will cause the antenna to detune and could cause performance issues.
- * Please do not touch product directly with bare hands, this will put fingerprints on the antenna and the acids in the hand will cause the antenna to discolor. While this will not have a performance effect it does have a cosmetic effect on the part.

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6. ROHS

Please refer to the ROHS reports.

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Revision History

Date	Revision	Description
2026/03/19	A	■ Initial Approval sheet
2026/05/20	A.1	■ Update ME drawing A.1 version

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