

APPROVAL SHEET

Customer Name: **TPV**

Date: **2018/05/03**

Doc. Version: **1**

OEM P/N	317GAAWA628WNC
WNC P/N	81.EK615.G68
Description	ALBERTVILLE, 32TV WIFI AUX ANTENNA, EK6-TP1
Version	1A

Provided By Wistron NeWeb Corp	Reviewed By Wistron NeWeb Corp	Approved By Customer
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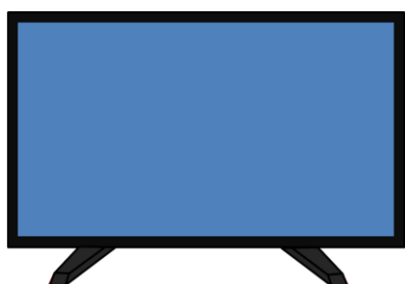
- 1. Introduction**
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- 4. Antenna Performance**

1. Introduction

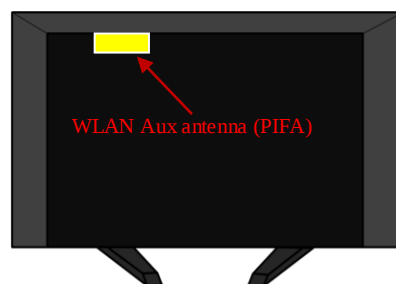
Antenna for 802.11a+n+g system

WLAN AUX antenna (PIFA)

1. Location: Top Left of the TV Back Panel
2. Cable length : 118 mm, Black(connector with Φ 1.37mm RF cable)



Front View



Back View

	WLAN AUX Antenna
Position	Top Left of the TV Back Panel
Antenna Type	PIFA
Cable	Cable color : Black, 1.37 (dia) x 118mm , RF connector
Weight	2.245g
Photos	

2. Revision History

Date	Version	Revision History
05/03/18	1	New Release

3. Product Specifications

3.1 Specifications of Antenna Design

3.1.1 VSWR

WLAN	IEEE 802.11 g/n			IEEE 802.11 a/n		
	2400MHz	2450MHz	2483MHz	5150MHz	5470MHz	5850MHz
VSWR	<2			<2		

3.1.2 Efficiency

WLAN	IEEE 802.11 g/n			IEEE 802.11 a/n		
	2400MHz	2450MHz	2483MHz	5150MHz	5470MHz	5850MHz
Efficiency	>40%			>50%		

3.2 Mechanical Specifications

See the attached drawing.

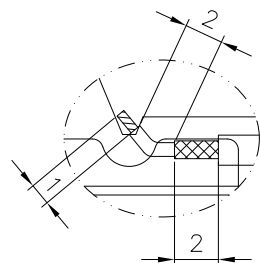
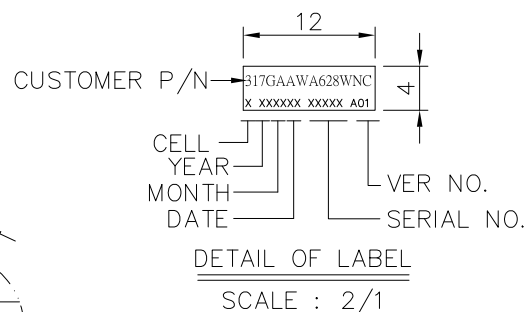
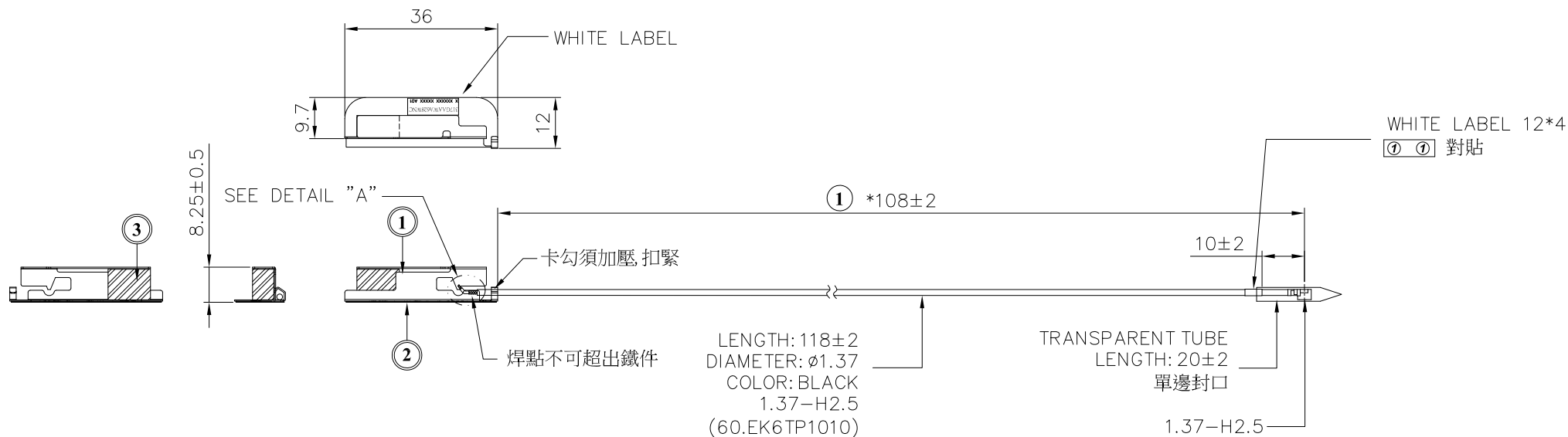
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WNC CONFIDENTIAL

PART NUMBER BLOCK		CUSTOMER P/N BLOCK		CONFIRM ANTENNA SPEC.	
PART NUMBER	REV	PART NUMBER	REV	APPROVED	DATE
57.EK615.068	1	317GAAWA628WNC	A01	YANG SHUN LIU	06/20/18

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	RELEASE TO FILE	06/20/18	VINCENT CC LIN



**ARE THE CRITICAL DIMENSIONS

3	3T.EK6TP.002	BUFFER, BT-50, EVA60, EK6-TP1	EA	1
2	3T.EK6TP.004	PLATE, AL FOIL, BT-50, EK6-TP1	EA	1
1	3S.EK6TP.00E	ANTENNA, SUS-1, BT-32, EK6-TP1	EA	1
ITEM	PART NO.	DESCRIPTION	UNIT	QTY

ONLY ME PARTS REFERENCE

		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm AND TOLERANCES ARE: INTEGER DIMENSIONS ±0.2 1 PLACE DECIMAL ±0.1 2 PLACE DECIMALS ±0.05				ANGULAR DIMENSIONS ±1° HOLES UNDER Ø5.00 ±0.05		WNC Wistron NeWeb Corp. 啟碁科技股份有限公司 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C. Tel: 886-3-6667799 Fax: 886-3-5788726	
		MATERIAL: NA				DWG TITLE			
		FINISH: NA				ALBERTVILLE, 32TV WiFi AUX ANTENNA, EK6-TP1			
81.EK615.G68	EK6-TP1	THIRD ANGLE PROJECTION	DRAWN	STACY CHANG	06/20/18	SIZE	DWG NO.		REV
NEXT ASSY	USED ON		ENGR	YANG SHUN LIU	06/20/18	A3	57.EK615.068		1
APPLICATION			APVD	VINCENT CC LIN	06/20/18	SCALE	1/1		SHEET 1 OF 1

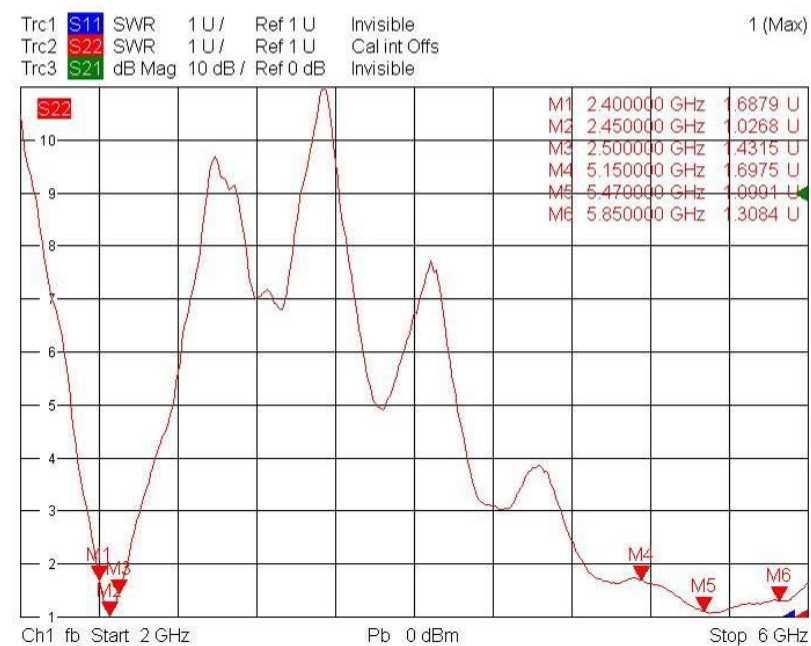
3.3 Antenna Material List

Items	Description
Antenna	3S.EK6TP.007WS
Cable	Φ1.37 Cable(Black)
Connector	IPEX
Adhesive	TT219
BUFFER	EVA60

4. Antenna Performance

4.1 VSWR

Aux



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4.2 Efficiency data

Aux

Freq(GHz)	Efficiency(%)	Efficiency(dB)
2400	60.54	-2.18
2450	65.91	-1.81
2500	60.68	-2.17
5150	75.27	-1.23
5250	79.76	-0.98
5350	80.58	-0.94
5470	80.08	-0.96
5600	77.11	-1.13
5725	81.64	-0.88
5785	81.67	-0.88
5850	78.21	-1.07

4.3 Peak Gain

Frequency (MHz)	Gain (dBi)
2400	2.25
2450	2.44
2500	1.98
5150	6.64
5250	6.37
5350	6.32
5470	6.27
5600	5.92
5725	6.25
5785	6.31
5850	6.38

Aux

