



WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)
 DONGGUAN AEON TECH CO.,LTD.(CHINA)
 SUZHOU AEON TECH CO.,LTD.(CHINA)
 AEON TECH (SHANGHAI) CO.,LTD(CHINA)
 DONGGUAN PARNER TECH CO.,LTD.(CHINA)

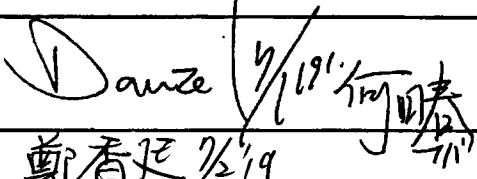
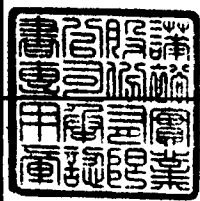
SPECIFICATION FOR APPROVAL

CUSTOMER: ASUS

PART NAME: RF Antenna Cable Assembly

PART NO.: **REVISION:**

W. Y. P/NO.: C660-510472-A **REV.:** X1

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :	鄭香廷 2/19	

WHA YU GROUP

WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)

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DONGGUAN AEON TECH CO., LTD.(CHINA)

東莞台霖電子通訊有限公司

Address: Hupan Industrial District, Tai Ling Shan Town, Dong Guan City, Guangdong, China

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SUZHOU AEON TECH CO., LTD.(CHINA)

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AEON TECH (SHANGHAI) CO., LTD(CHINA)

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東莞倍能電子有限公司

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Dong Guan City, Guangdong, China

Tel: +86-769-81662366 Fax: +86-769-81602681

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RF Antenna Assembly

Specification(with cable loss)

1. Electrical Properties :

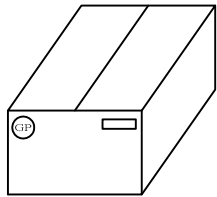
- 1.1 Frequency Range..... 2.412GHz ~ 2.472GHz / 5.18GHz ~ 5.825GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR (1.92:1Max)
- 1.4 Return Loss.....(10dB Min)
- 1.5 Radiation Omni-directional
 - 2.412~2.472GHz(1.7 dBi)
 - 5.18~5.25GHz(1.71 dBi)
- 1.6 Gain(Peak).....
 - 5.25~5.32GHz(1.85 dBi)
 - 5.50~5.7GHz(1.85 dBi)
 - 5.745~5.825GHz(1.68dBi)
- 1.7 Efficiency..... 2.4G(>75%) / 5G(>67%)
- 1.8 Polarization..... Linear ; Vertical
- 1.9 Admitted Power.....1W
- 1.10 Cable..... 1.37 Cable Black
- 1.11 Connector.....(I-PEX)

2. Physical Properties :

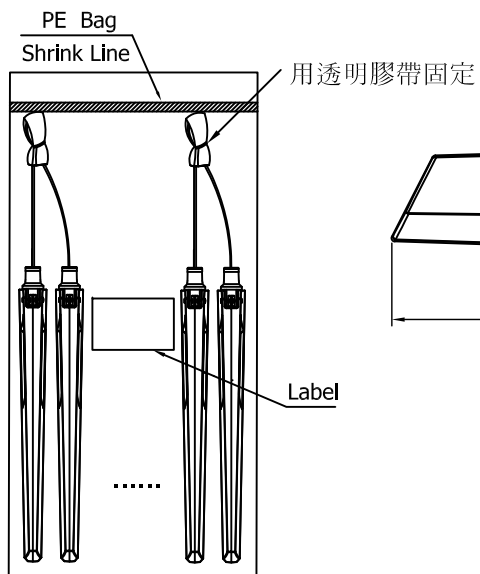
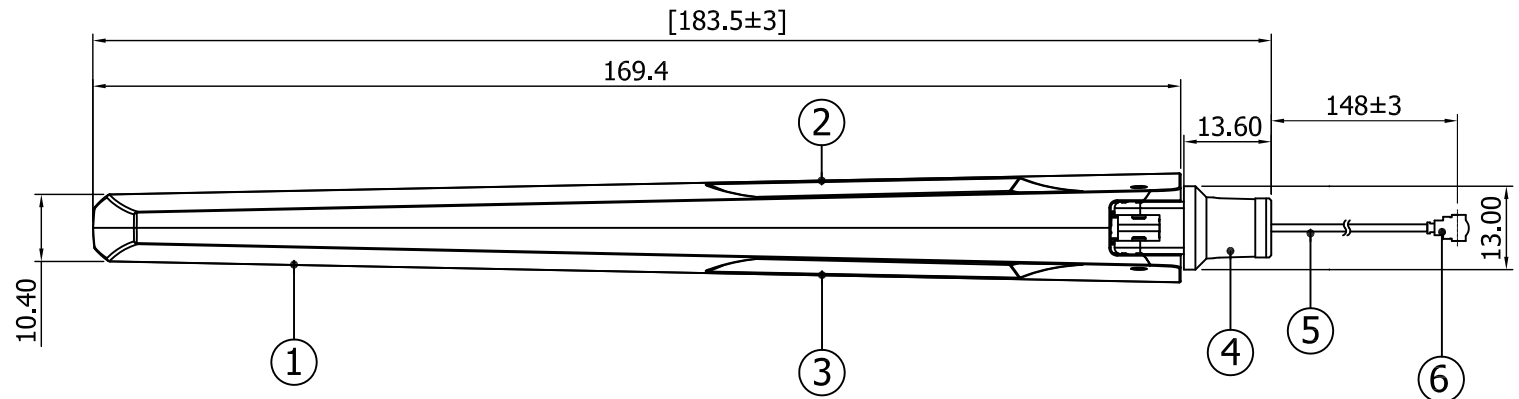
- 2.1 Operating Temp. -10°C ~ +60°C
- 2.2 Storage Temp. -10°C ~ +70°C

CG-XXXX

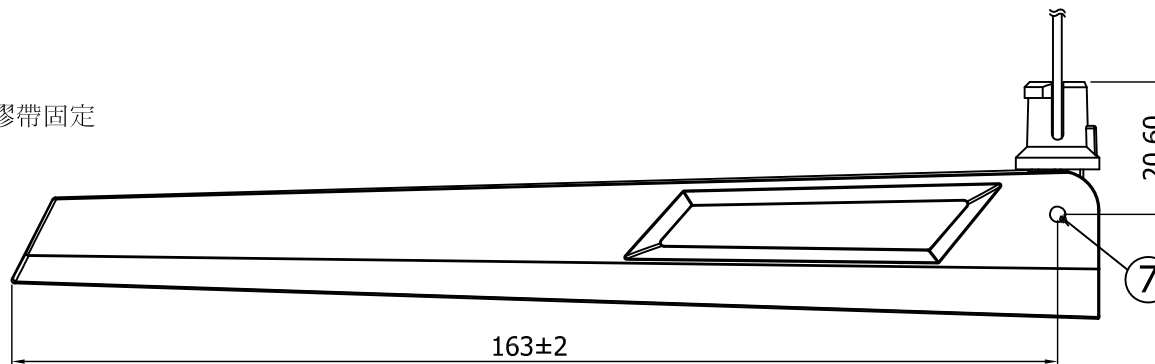
REV	DATE	DESCRIPTION
X1	06/27-2019	New Issue
X2	07/29-2019	修改材質



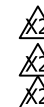
GP標籤貼於紙箱側麥左上角(共2PCS)
外箱標籤貼於紙箱側麥右上角(共1PCS)



Packing:10PCS/bag
(5PCS/bundle)



7	Rivet	POM,Color: Black	2	
6	Connector	MHF Plug	1	
5	Cable	φ1.37 Cable;Black	1	
4	Antenna Base	(CD-1636)PC/PBT ;Color;Black	1	
3	右塞	(CD-757)ABS ; Color :Yellow	1	
2	左塞	(CD-756)ABS ; Color :Yellow	1	
1	Antenna Cap	(CD-755)ABS ; Color :Black	1	
NO	DESCRIPTION		Q'TY	REMARK



XX.	± 3.0	APPROVED
X.	± 2.0	
.X	± 1.0	CHECKED
.XX	± 0.5	
.XXX	± 0.1	DRAWING
		

CUSTOMER: ASUS

PART NO :

PARTNAME: RF Antenna Assembly

W.Y P/NO : C660-510472-A

REV UNIT FILE : SRF2019815

X2 m/m SHEET : 1/1

CUSTOMER'S SINGATURE

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C660-510472-A NE3-19072 Antenna Test Report

Version: V 1.00

Released Date: 2019/06/27

Prepared By: Cathy

Reviewed By: Sky Lo



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TEL : 886-3-5714225 FAX : 886-3-5713853 / 5723600¹
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- Revised History
- Conclusion & Comments
- Specification
- Antenna Placement & Solution
- Test Setup for S-parameter Measurement
- Return Loss Results
- Isolation Results
- Test Setup for Radiation Pattern Measurement
- 2D Radiation Pattern Results
- Results Summary (return loss, isolation, peak gain, efficiency)

Specification

Requirements of Antenna Design

RF Function	Number of ANT	Frequency Band	Remark
WiFi	1	2.412G Hz~2.472GHz/5.180GHz~5.825GHz	

Requirements of Measurement

Test Item	Specification	Remark
Return Loss	> 10dB	
Isolation	NA	
Efficiency	2.4G> 75% / 5G>65%	
Radiation pattern	Scale: +10 ~ -40dBi, Angle step size: 5 degree	

Antenna Placement & Solution



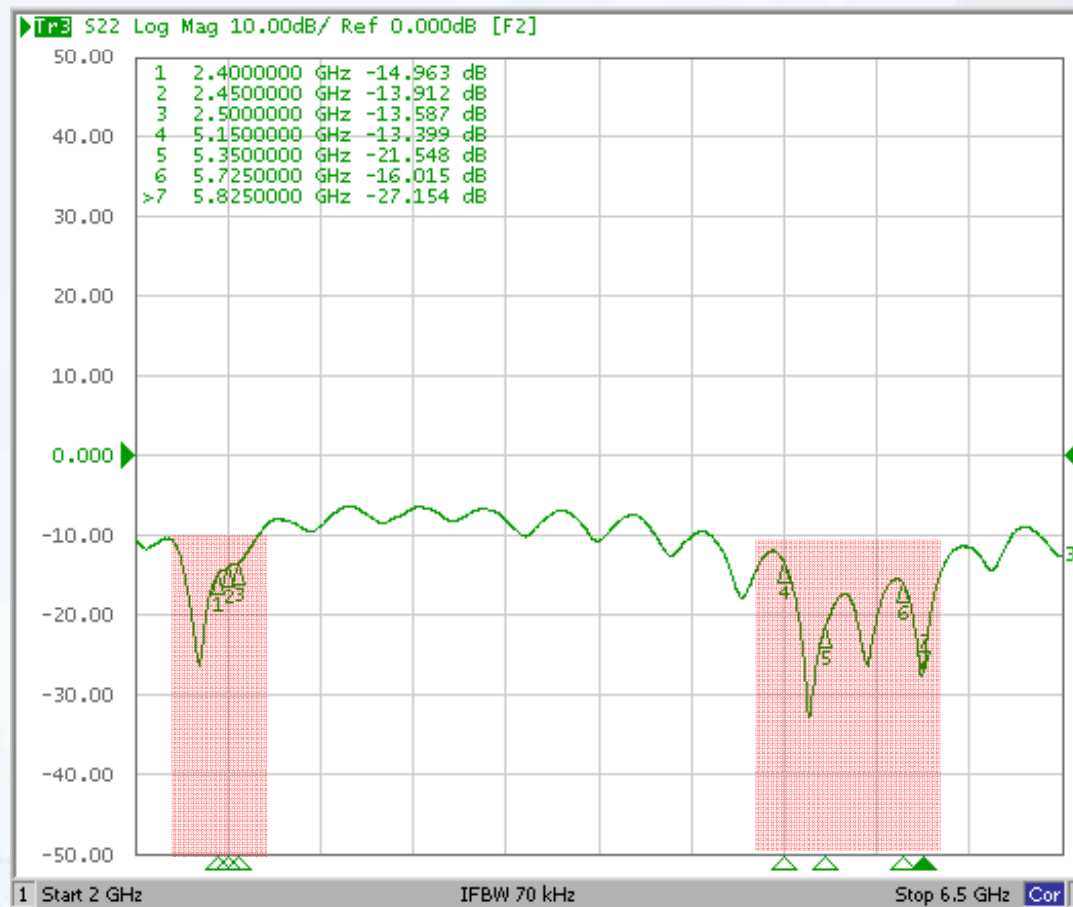
Antenna	ANT Type	Size (L * W * H)	Cable Length (mm)	Cable Type
ANT1(DualBand)-148mm	Metal Dipole		Exp148(Black)	Ø1.37

Antenna Placement & Solution

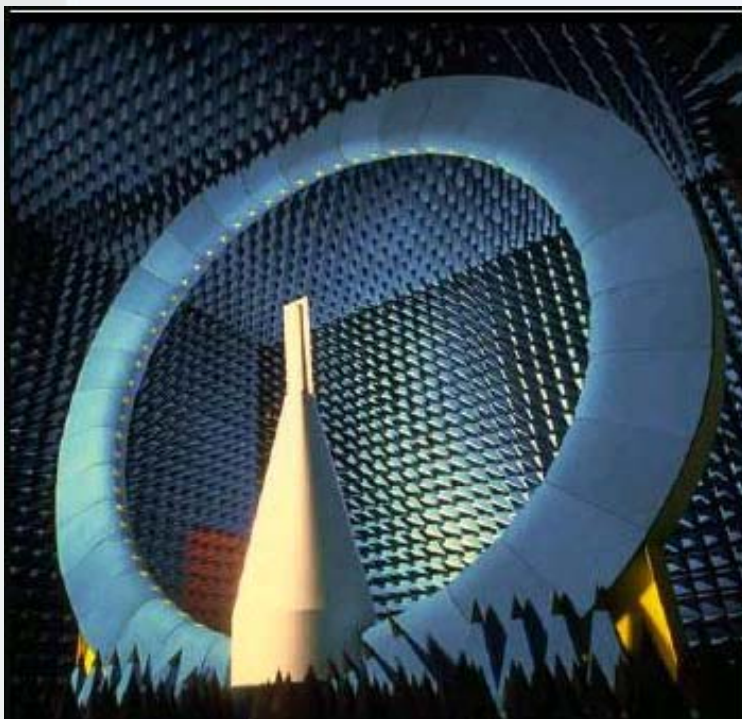
Antenna	Previous Version	Current Version
ANT1	ANT1_v1.00 	

Return Loss Results

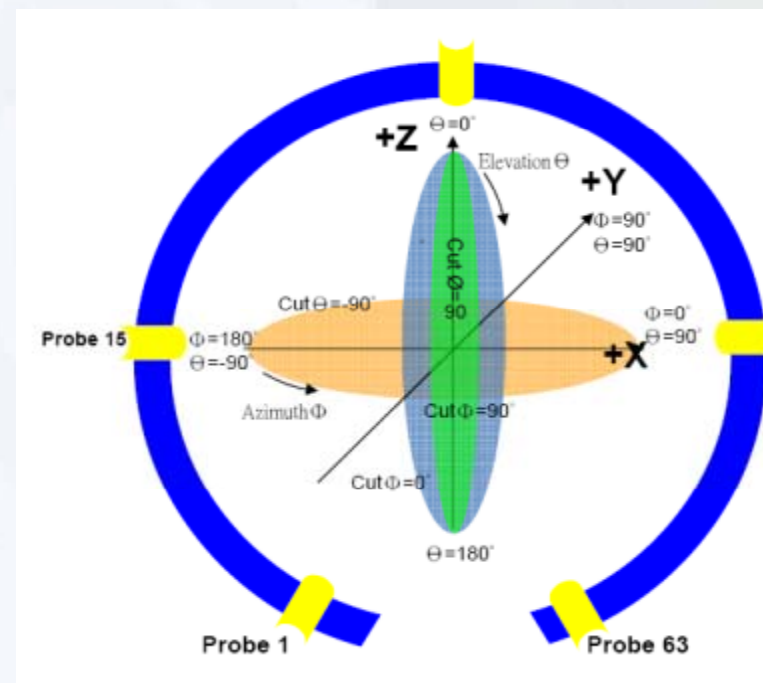
ANT1 (2400MHz~2500MHz/5150MHz~5825MHz) (Criterion:>10 dB)



Chamber Information

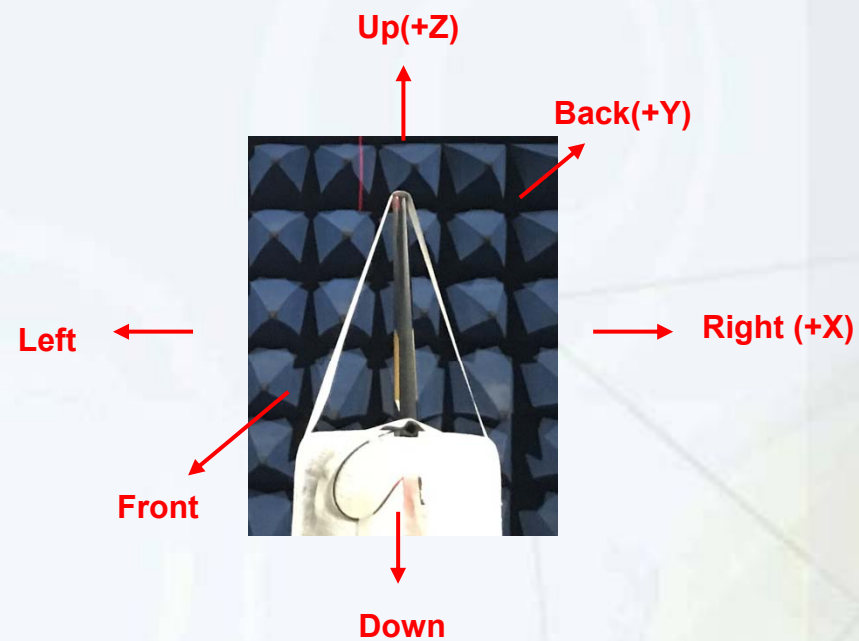


Chamber	Brand	Model	Location
SATIMO	SATIMO	SG-64	Taiwan HsinChu



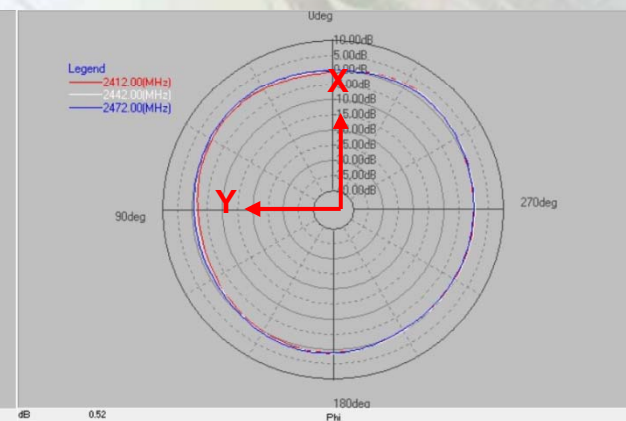
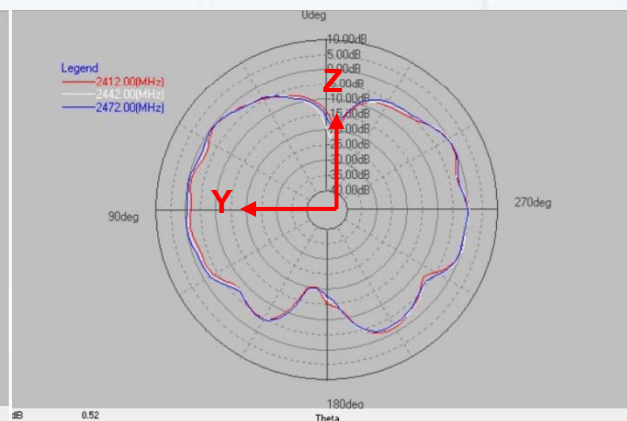
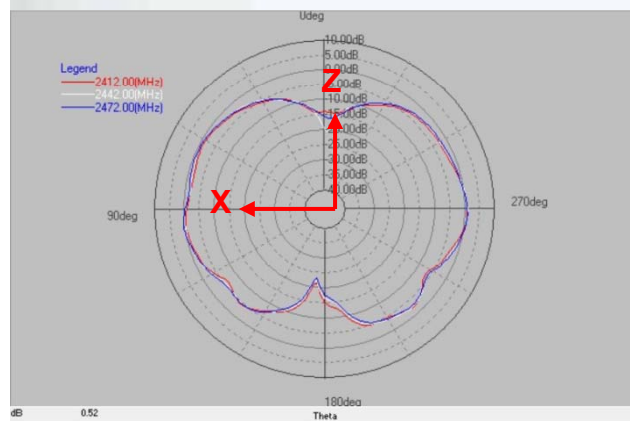
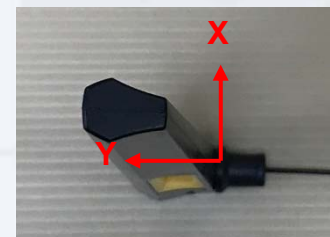
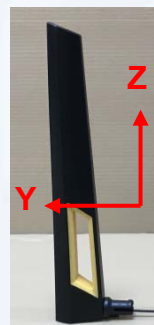
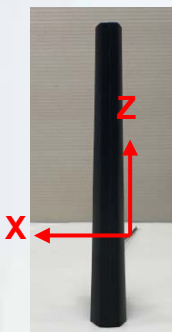
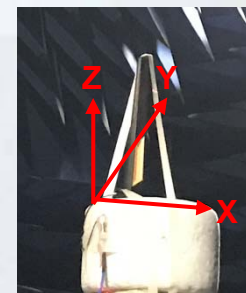
	θ	ϕ
Total angle	175°	360°
How many angle scan one point	5°	5°
Total scan point	36	73

Test Setup for Radiation Pattern Measurement



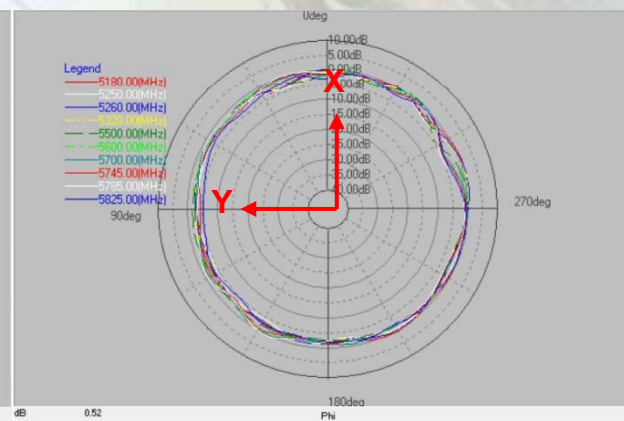
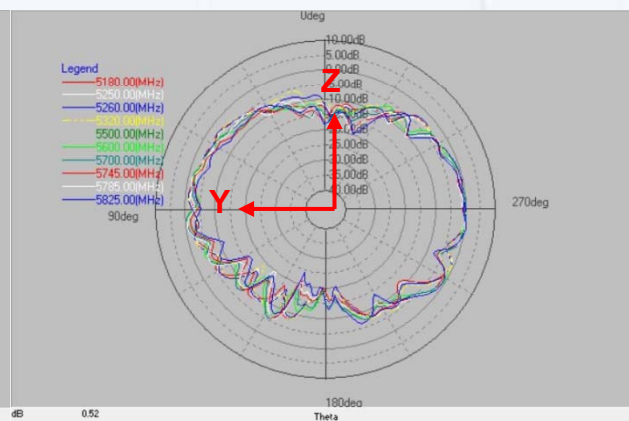
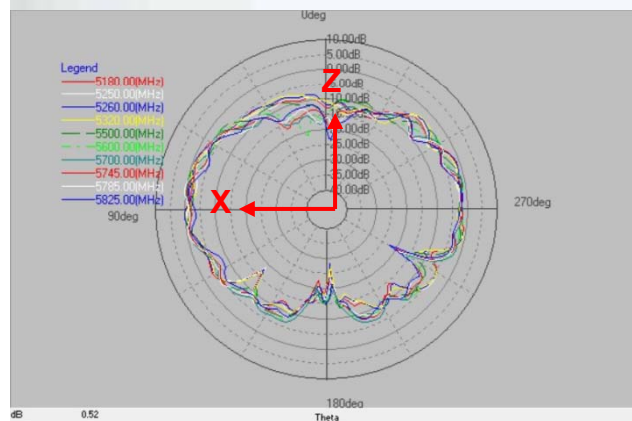
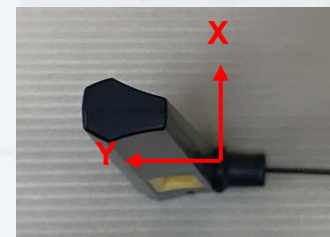
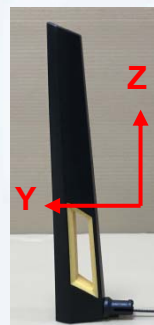
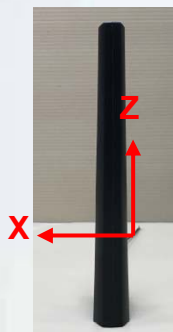
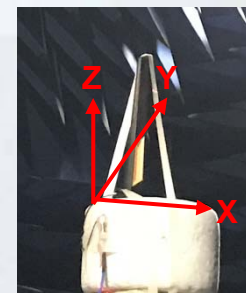
2D Radiation Pattern Results

Dipole(Dual Band)_ANT1 (2.4G)



2D Radiation Pattern Results

Dipole(Dual Band)_ANT1 (5G)



Results Summary

Return Loss (Criterion: >10dB)

Frequency (MHz)	ANT1
2400MHz	14
2450MHz	13
2500MHz	13
5150MHz	13
5350MHz	21
5725MHz	16
5825MHz	27

Results Summary

Gain & Efficiency

Frequency (MHz)	Ant1(Dual Band-135mm)	
	Gain(dBi)	Efficiency (%)
2412MHz	1.70	78
2442MHz	1.58	78
2472MHz	1.61	80
5180MHz	1.64	68
5250MHz	1.71	68
5260MHz	1.72	69
5320MHz	1.85	69
5500MHz	1.85	70
5600MHz	1.77	71
5700MHz	1.80	68
5745MHz	1.68	69
5785MHz	1.67	71
5825MHz	1.67	70



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SPECIFICATION FOR APPROVAL

CUSTOMER: ASUS

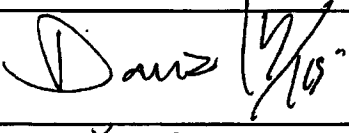
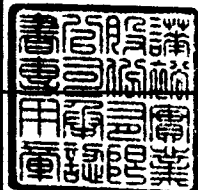
PART NAME: RF Antenna Cable Assembly

PART NO.:

REVISION:

W. Y. P/NO.: C660-510473-A

REV.: X1

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :	鄭香廷 2/19	

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RF Antenna Assembly

Specification(with cable loss)

1. Electrical Properties :

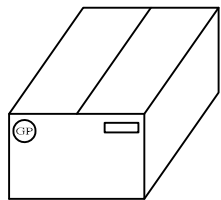
1.1 Frequency Range.....	5.18GHz ~ 5.825GHz
1.2 Impedance	50Ω Nominal
1.3 VSWR	(1.92:1Max)
1.4 Return Loss.....	(10dB Min)
1.5 Radiation	Omni-directional
	5.18~5.25GHz(1.68 dBi)
1.6 Gain(Peak).....	5.25~5.32GHz(1.73 dBi)
	5.50~5.7GHz(1.8 dBi)
	5.745~5.825GHz(1.85 dBi)
1.7 Efficiency.....	5G(>70%)
1.8 Polarization.....	Linear ; Vertical
1.9 Admitted Power.....	1W
1.10 Cable.....	1.37 Cable White
1.11 Connector.....	(I-PEX)

2. Physical Properties :

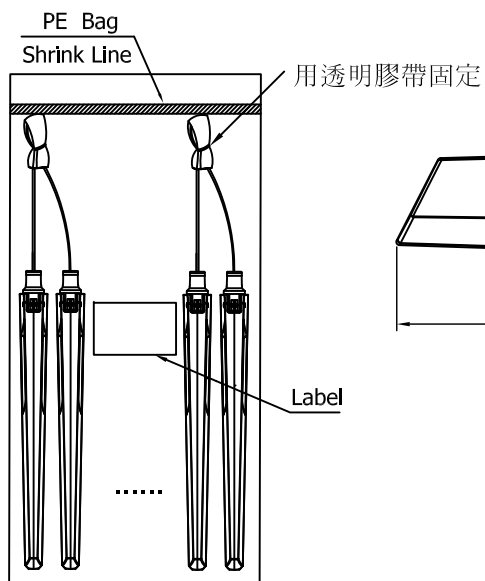
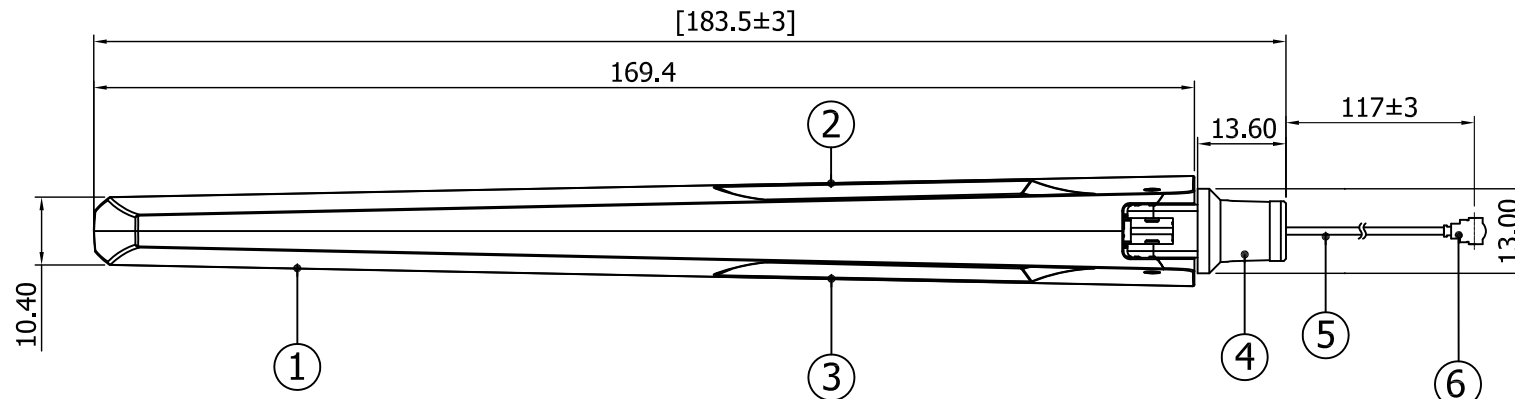
2.1 Operating Temp.	-10°C ~ +60°C
2.2 Storage Temp.	-10°C ~ +70°C

CG-XXXX

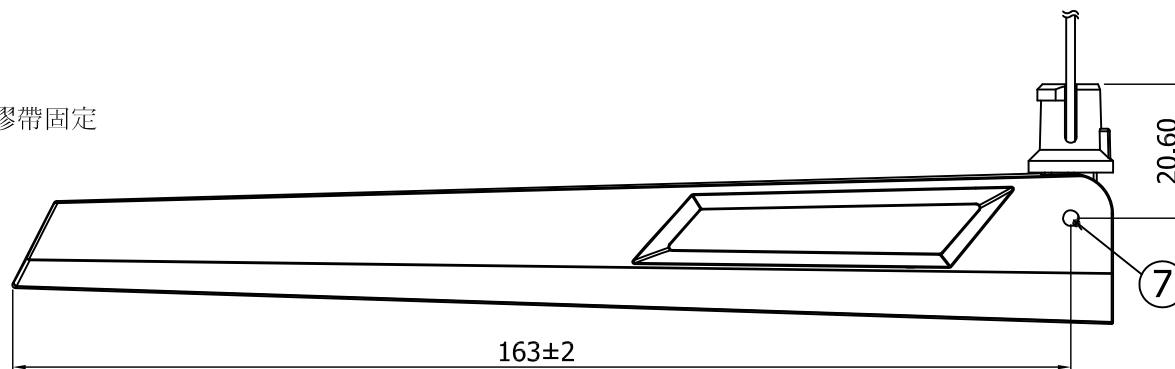
REV	DATE	DESCRIPTION
X1	06/27-2019	New Issue
X2	07/29-2019	修改材質



GP標籤貼於紙箱側麥左上角(共2PCS)
外箱標籤貼於紙箱側麥右上角(共1PCS)
成品淨重:12000±5%mg



Packing:10PCS/bag
(5PCS/bundle)



7	Rivet	POM,Color: Black	2	
6	Connector	MHF Plug	1	
5	Cable	φ1.37 Cable;White	1	
4	Antenna Base	(CD-1636)PC/PBT ;Color:Black	1	
3	右塞	(CD-757)ABS ; Color :Yellow	1	
2	左塞	(CD-756)ABS ; Color :Yellow	1	
1	Antenna Cap	(CD-755)ABS ; Color :Black	1	
NO	DESCRIPTION		QTY	REMARK



CUSTOMER'S SIGNATURE

XX.	± 3.0	APPROVED
X.	± 2.0	
.X	± 1.0	CHECKED
.XX	± 0.5	
.XXX	± 0.1	DRAWING

CUSTOMER: ASUS		
PART NO :		
PARTNAME: RF Antenna Assembly		
W.Y P/NO : C660-510473-A		
REV	UNIT	FILE : SRF2019816
X2	m/m	SHEET : 1/1

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C660-510473-A NE3-19072 Antenna Test Report

Version: V 1.00

Released Date: 2019/06/27

Prepared By: Cathy

Reviewed By: Sky Lo



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- Antenna Placement & Solution
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- Return Loss Results
- Isolation Results
- Test Setup for Radiation Pattern Measurement
- 2D Radiation Pattern Results
- Results Summary (return loss, isolation, peak gain, efficiency)

Specification

Requirements of Antenna Design

RF Function	Number of ANT	Frequency Band	Remark
WiFi	2	5.180GHz~5.825GHz	

Requirements of Measurement

Test Item	Specification	Remark
Return Loss	> 10dB	
Isolation	NA	
Efficiency	5G>65%	
Radiation pattern	Scale: +10 ~ -40dBi, Angle step size: 5 degree	

Antenna Placement & Solution



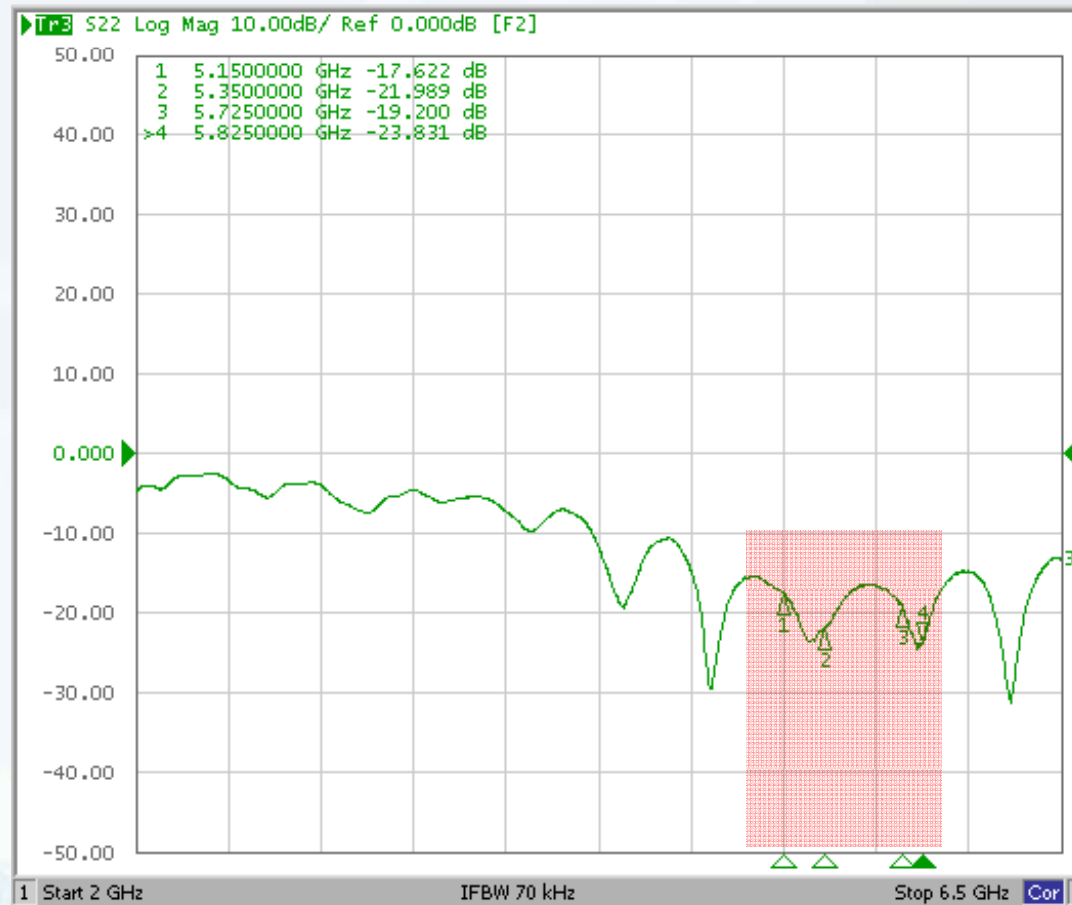
Antenna	ANT Type	Size (L * W * H)	Cable Length (mm)	Cable Type
ANT2(5G)-117mm	Metal Dipole		Exp117(White)	Ø1.37

Antenna Placement & Solution

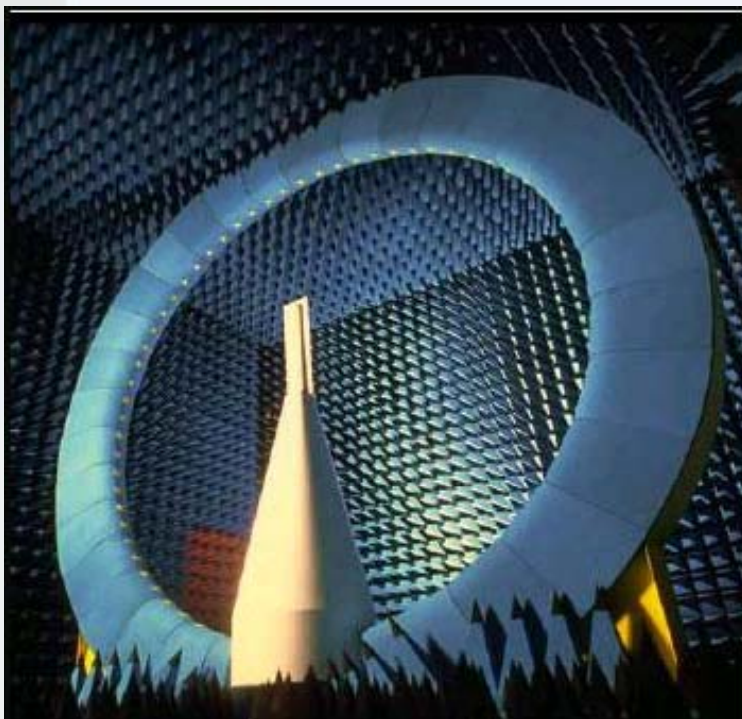
Antenna	Previous Version	Current Version
ANT1	ANT1_v1.00 	

Return Loss Results

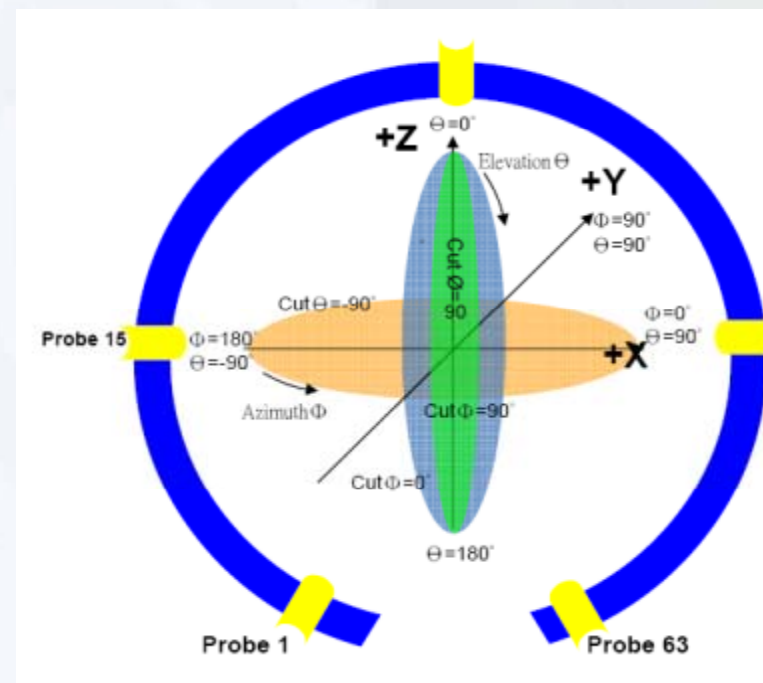
ANT2 (5150MHz~5825MHz) (Criterion:>10 dB)



Chamber Information

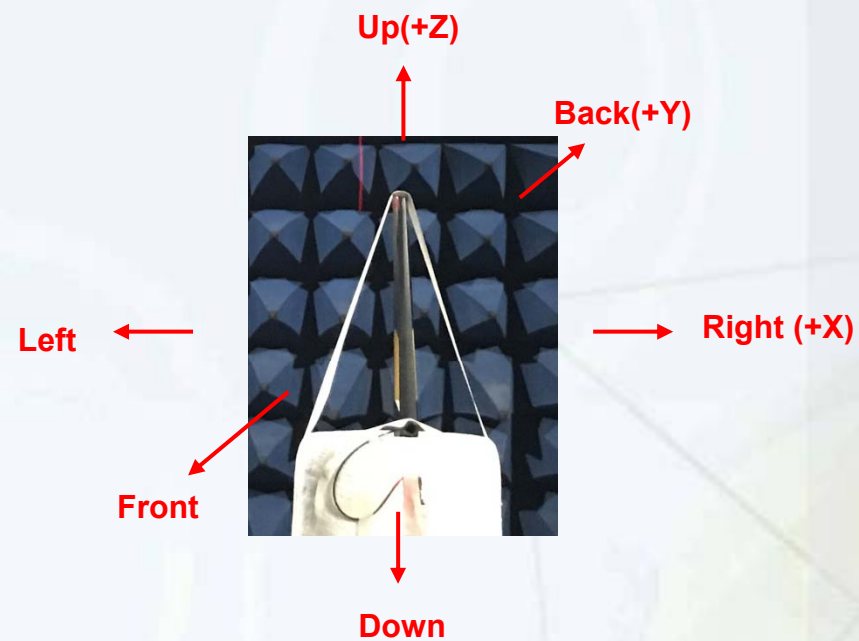


Chamber	Brand	Model	Location
SATIMO	SATIMO	SG-64	Taiwan HsinChu



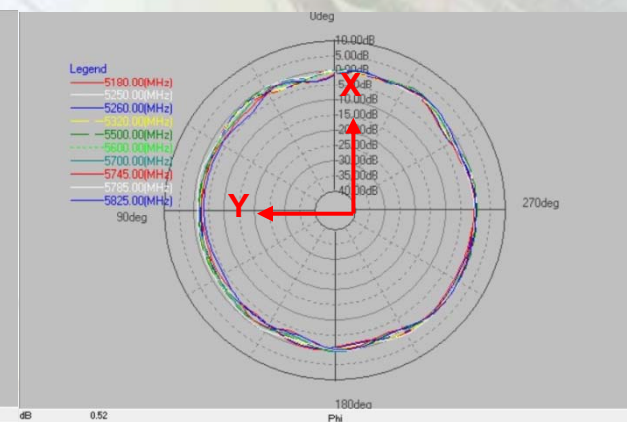
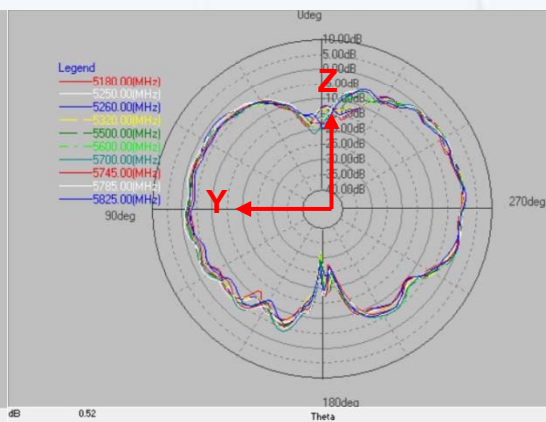
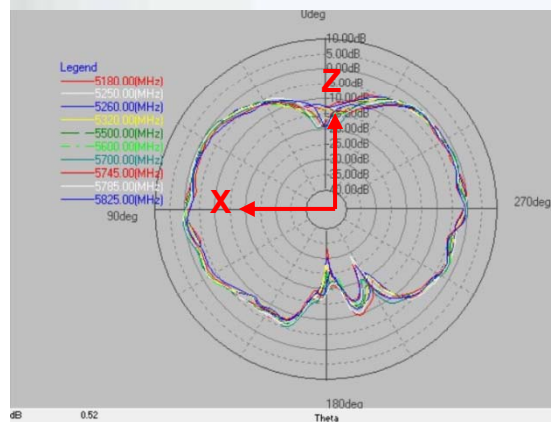
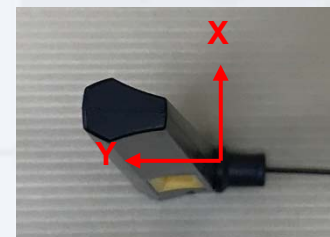
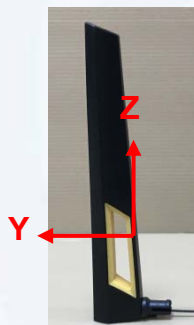
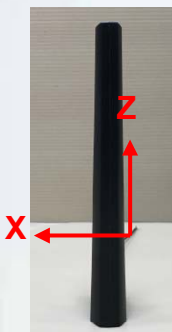
	θ	ϕ
Total angle	175°	360°
How many angle scan one point	5°	5°
Total scan point	36	73

Test Setup for Radiation Pattern Measurement



2D Radiation Pattern Results

Dipole(5G)_ANT2



Results Summary

Return Loss (Criterion: >10dB)

Frequency (MHz)	ANT2
5150MHz	17
5350MHz	21
5725MHz	19
5825MHz	23

Results Summary

Gain & Efficiency

Frequency (MHz)	Ant2(5G-110mm)	
	Gain(dBi)	Efficiency (%)
5180MHz	1.66	73
5250MHz	1.68	73
5260MHz	1.73	71
5320MHz	1.63	71
5500MHz	1.72	73
5600MHz	1.75	74
5700MHz	1.80	73
5745MHz	1.85	75
5785MHz	1.78	73
5825MHz	1.83	74



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 DONGGUAN AEON TECH CO.,LTD.(CHINA)
 SUZHOU AEON TECH CO.,LTD.(CHINA)
 AEON TECH (SHANGHAI) CO.,LTD(CHINA)
 DONGGUAN PARNER TECH CO.,LTD.(CHINA)



SPECIFICATION FOR APPROVAL

CUSTOMER: ASUS

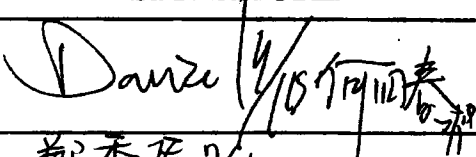
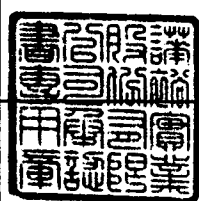
PART NAME: RF Antenna Cable Assembly

PART NO.:

REVISION:

W. Y. P/NO.: C660-510474-A

REV.: X1

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :	鄭香廷 2/5/19	

WHA YU GROUP

WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)

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Fax: +86-21-64959059

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Fax: +86-769-81602681

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RF Antenna Assembly

Specification(with cable loss)

1. Electrical Properties :

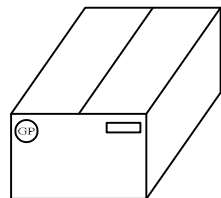
- 1.1 Frequency Range..... 5.18GHz ~ 5.825GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR (1.92:1Max)
- 1.4 Return Loss..... (10dB Min)
- 1.5 Radiation Omni-directional
- 1.6 Gain(Peak).....
 - 5.18~5.25GHz(1.63 dBi)
 - 5.25~5.32GHz(1.74 dBi)
 - 5.50~5.7GHz(1.76 dBi)
 - 5.745~5.825GHz(1.77 dBi)
- 1.7 Efficiency..... 5G(>70%)
- 1.8 Polarization..... Linear ; Vertical
- 1.9 Admitted Power..... 1W
- 1.10 Cable..... 1.37 Cable Blue
- 1.11 Connector..... (I-PEX)

2. Physical Properties :

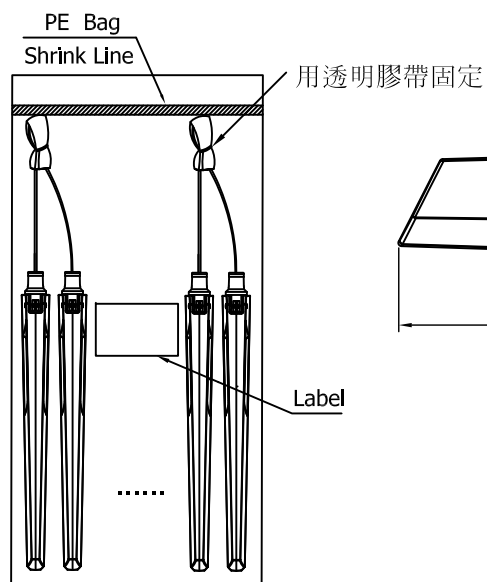
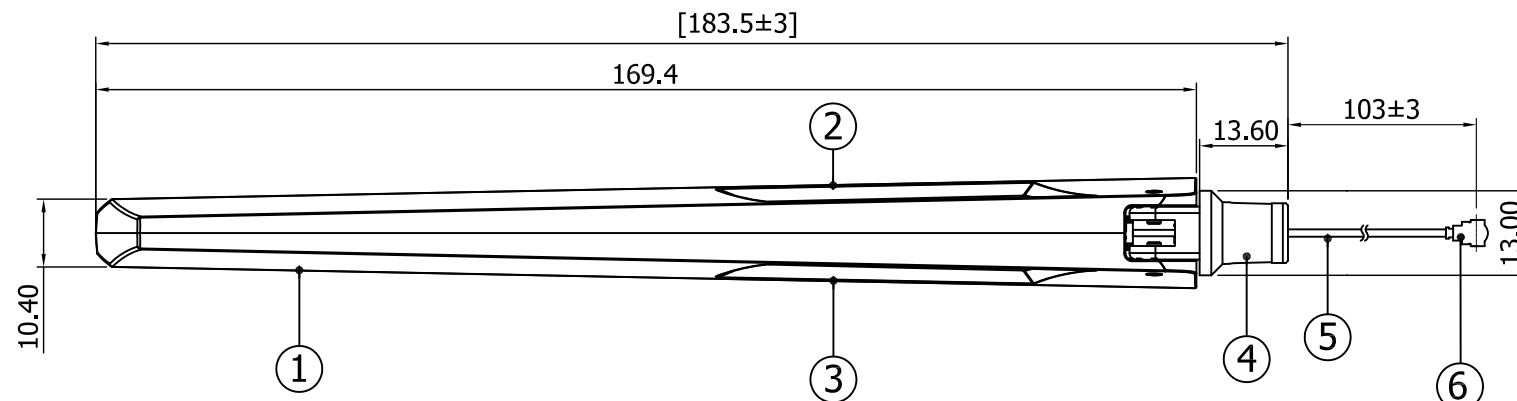
- 2.1 Operating Temp. -10°C ~ +60°C
- 2.2 Storage Temp. -10°C ~ +70°C

CG-XXXX

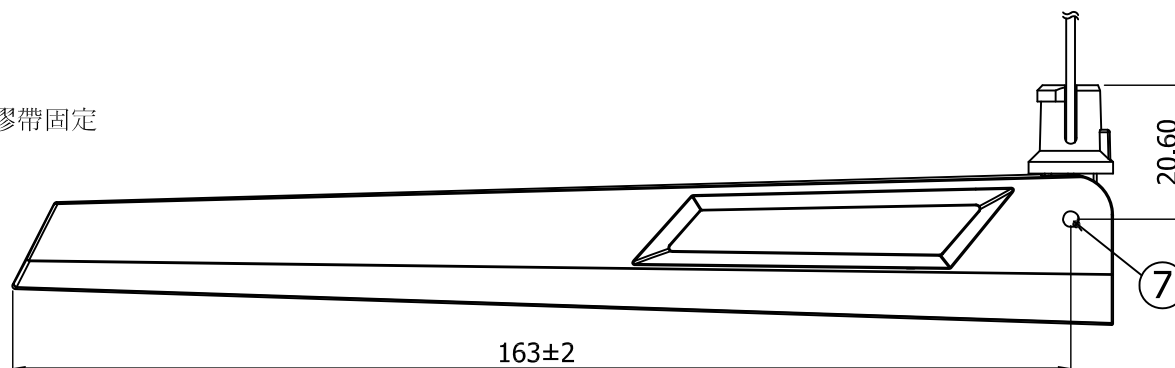
REV	DATE	DESCRIPTION
X1	06/27-2019	New Issue
X2	07/29-2019	New Issue



GP標籤貼於紙箱側麥左上角(共2PCS)
外箱標籤貼於紙箱側麥右上角(共1PCS)
成品淨重:12000±5%mg



Packing:10PCS/bag
(5PCS/bundle)



7	Rivet	POM,Color: Black	2	
6	Connector	MHF Plug	1	
5	Cable	φ1.37 Cable;Blue	1	
4	Antenna Base	(CD-1636)PC/PBT ;Color:Black	1	
3	右塞	(CD-757)ABS ; Color :Yellow	1	
2	左塞	(CD-756)ABS ; Color :Yellow	1	
1	Antenna Cap	(CD-755)ABS ; Color :Black	1	
NO	DESCRIPTION		QTY	REMARK



CUSTOMER'S SIGNATURE

XX.	± 3.0	APPROVED
X.	± 2.0	
.X	± 1.0	CHECKED
.XX	± 0.5	
.XXX	± 0.1	DRAWING

CUSTOMER: ASUS

PART NO :

PARTNAME: RF Antenna Assembly

W.Y P/NO : C660-510474-A

REV UNIT FILE : SRF2019817

X2 m/m SHEET : 1/1

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C660-510474-A NE3-19072 Antenna Test Report

Version: V 1.00

Released Date: 2019/06/27

Prepared By: Cathy

Reviewed By: Sky Lo



WHA YU INDUSTRIAL CO., LTD.
TEL : 886-3-5714225 FAX : 886-3-5713853 / 5723600¹
Website : www.whayu.com
E-mail : market@whayu.com

Contents

- Revised History
- Conclusion & Comments
- Specification
- Antenna Placement & Solution
- Test Setup for S-parameter Measurement
- Return Loss Results
- Isolation Results
- Test Setup for Radiation Pattern Measurement
- 2D Radiation Pattern Results
- Results Summary (return loss, isolation, peak gain, efficiency)

Specification

Requirements of Antenna Design

RF Function	Number of ANT	Frequency Band	Remark
WiFi	3	5.180GHz~5.825GHz	

Requirements of Measurement

Test Item	Specification	Remark
Return Loss	> 10dB	
Isolation	NA	
Efficiency	5G>65%	
Radiation pattern	Scale: +10 ~ -40dBi, Angle step size: 5 degree	

Antenna Placement & Solution



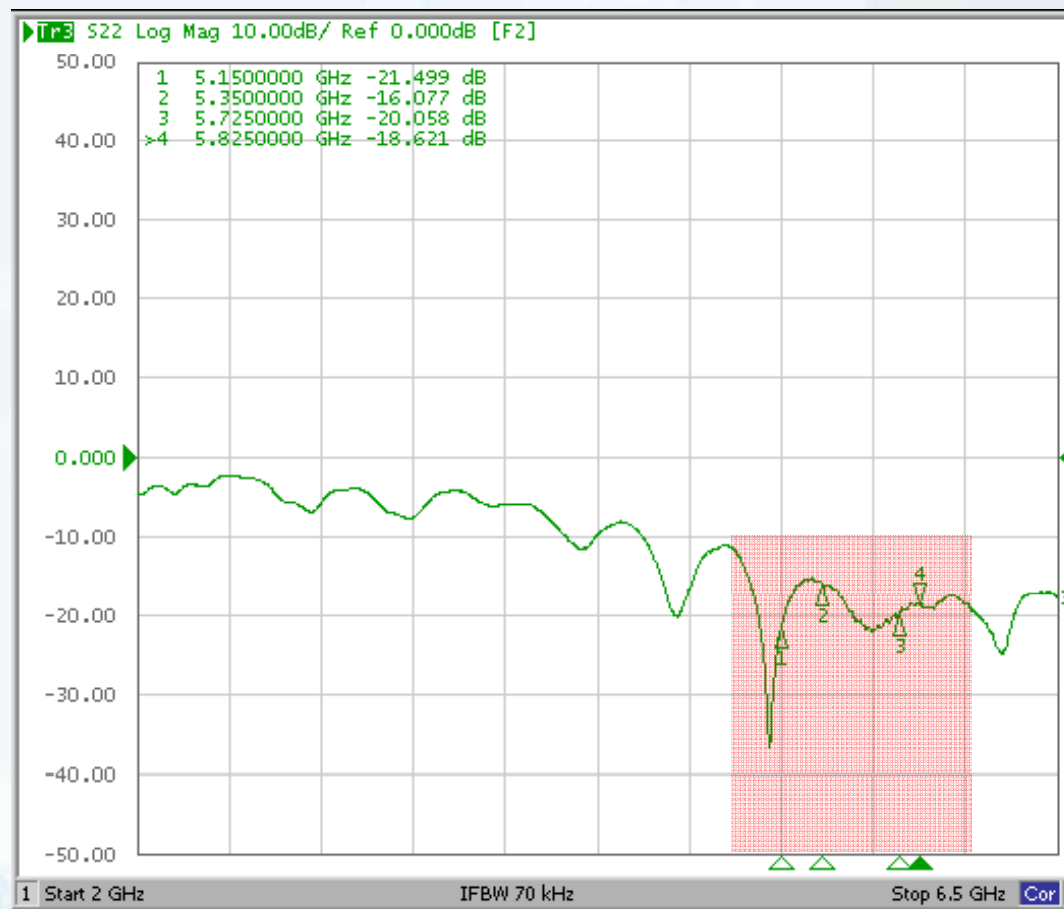
Antenna	ANT Type	Size (L * W * H)	Cable Length (mm)	Cable Type
ANT3(5G)-103mm	Metal Dipole		Exp103(Blue)	Ø1.37

Antenna Placement & Solution

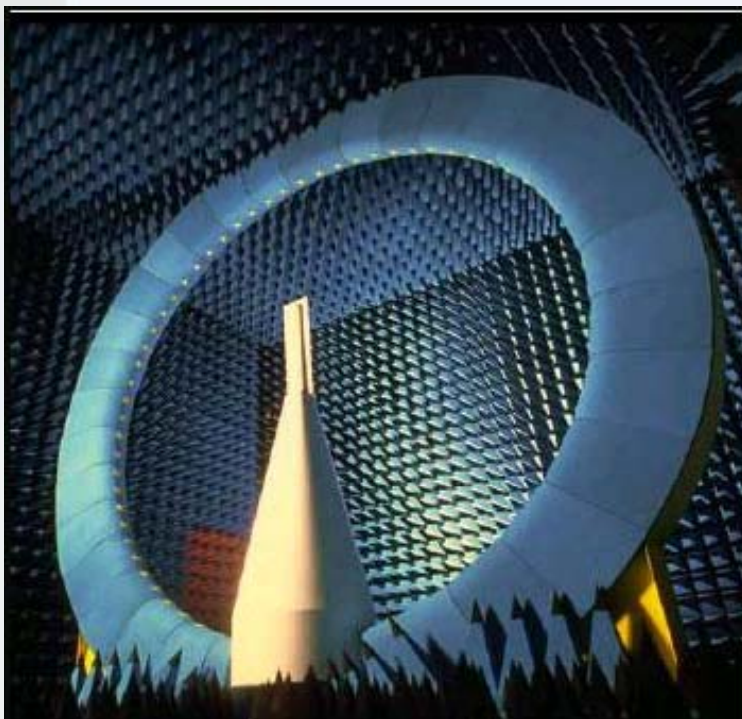
Antenna	Previous Version	Current Version
ANT1	ANT1_v1.00 	

Return Loss Results

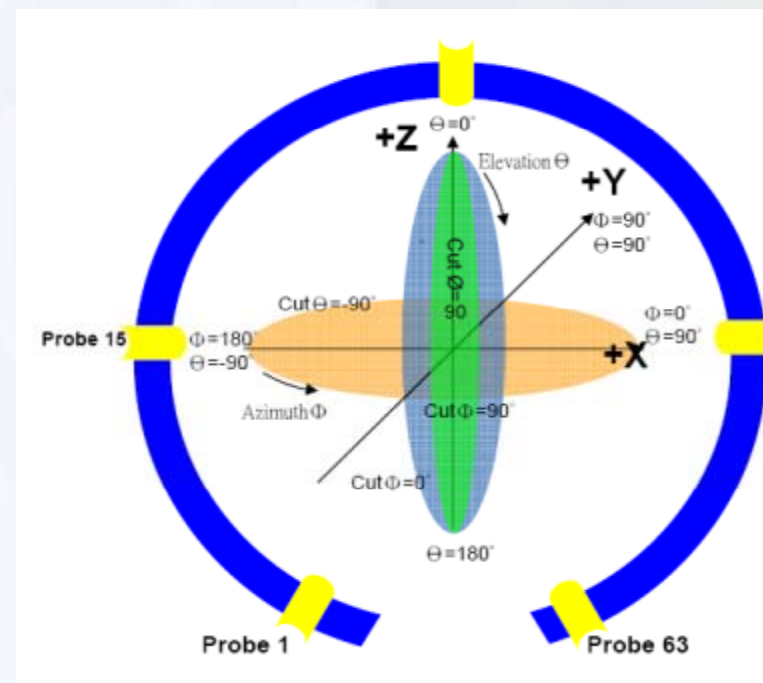
ANT3 (5150MHz~5825MHz) (Criterion:>10 dB)



Chamber Information

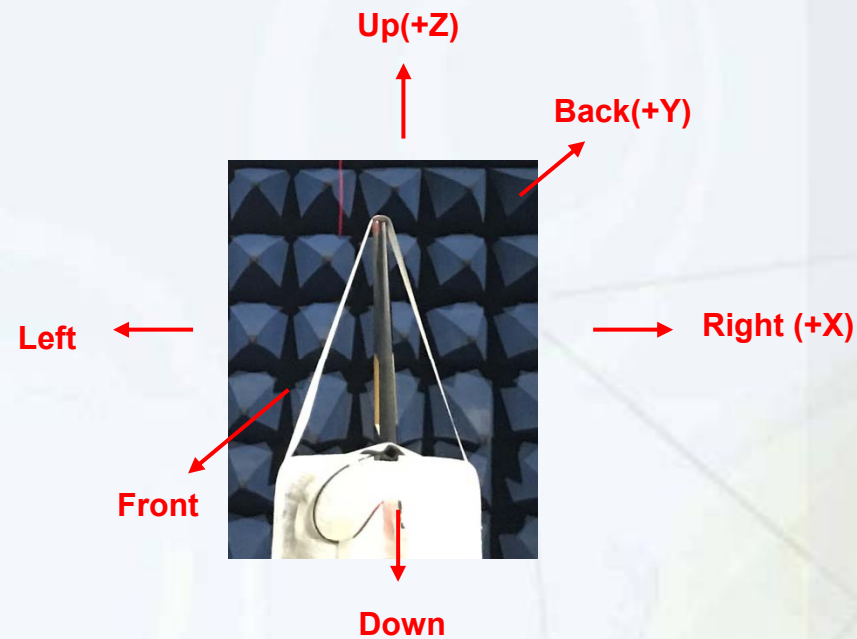


Chamber	Brand	Model	Location
SATIMO	SATIMO	SG-64	Taiwan HsinChu



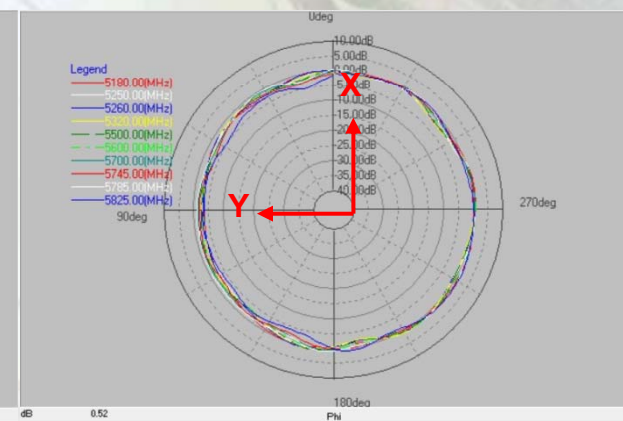
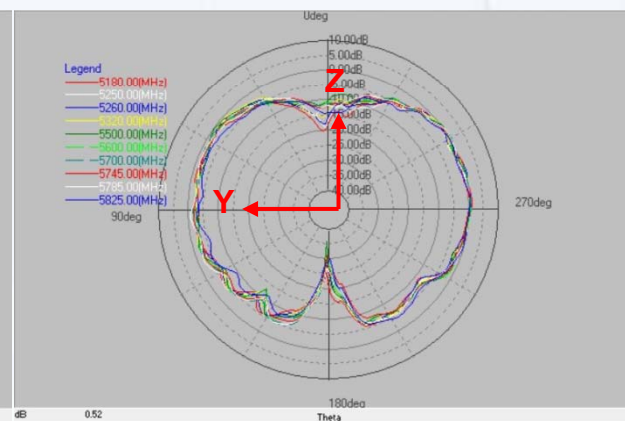
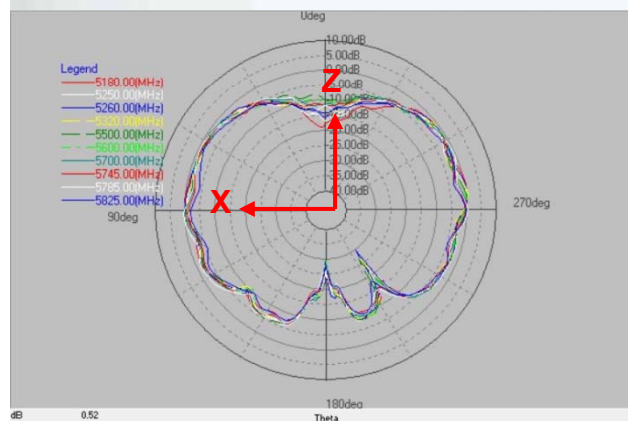
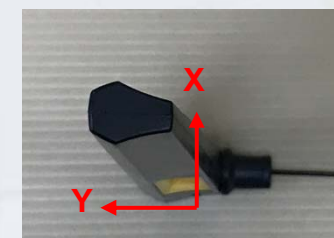
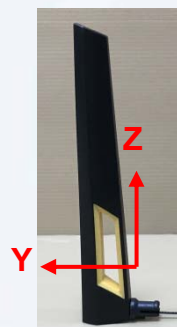
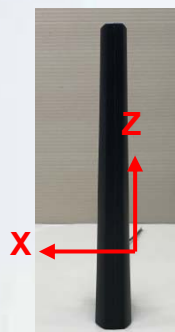
	θ	ϕ
Total angle	175°	360°
How many angle scan one point	5°	5°
Total scan point	36	73

Test Setup for Radiation Pattern Measurement



2D Radiation Pattern Results

Dipole(5G)_ANT3



Results Summary

Return Loss (Criterion: >10dB)

Frequency (MHz)	ANT3
5150MHz	21
5350MHz	16
5725MHz	20
5825MHz	18

Results Summary

Gain & Efficiency

Frequency (MHz)	Ant3(5G-95mm)	
	Gain(dBi)	Efficiency (%)
5180MHz	1.63	73
5250MHz	1.62	72
5260MHz	1.73	72
5320MHz	1.74	72
5500MHz	1.70	73
5600MHz	1.73	73
5700MHz	1.76	75
5745MHz	1.70	70
5785MHz	1.77	71
5825MHz	1.70	71



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 SUZHOU AEON TECH CO.,LTD.(CHINA)
 AEON TECH (SHANGHAI) CO.,LTD(CHINA)
 DONGGUAN PARNER TECH CO.,LTD.(CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: *ASUS*

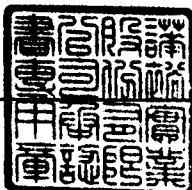
PART NAME: *RF Antenna Cable Assembly*

PART NO.:

REVISION:

W. Y. P/NO.: *C660-510475-A*

REV.: *X1*

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :	<i>Dania 10/10/19</i>	
DATE :	<i>鄭春廷 2/19</i>	

WHA YU GROUP

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Fax: +86-769-81602681

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RF Antenna Assembly

Specification(with cable loss)

1. Electrical Properties :

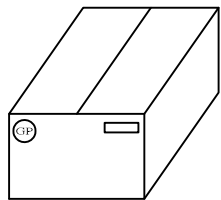
- 1.1 Frequency Range..... 2.412GHz ~ 2.472GHz / 5.18GHz ~ 5.825GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR (1.92:1Max)
- 1.4 Return Loss.....(10dB Min)
- 1.5 Radiation Omni-directional
 - 2.412~2.472GHz(1.62 dBi)
 - 5.18~5.25GHz(1.67 dBi)
- 1.6 Gain(Peak).....
 - 5.25~5.32GHz(1.74 dBi)
 - 5.50~5.7GHz(1.79 dBi)
 - 5.745~5.825GHz(1.85dBi)
- 1.7 Efficiency..... 2.4G(>75%) / 5G(>67%)
- 1.8 Polarization..... Linear ; Vertical
- 1.9 Admitted Power.....1W
- 1.10 Cable..... 1.37 Cable Gray
- 1.11 Connector.....(I-PEX)

2. Physical Properties :

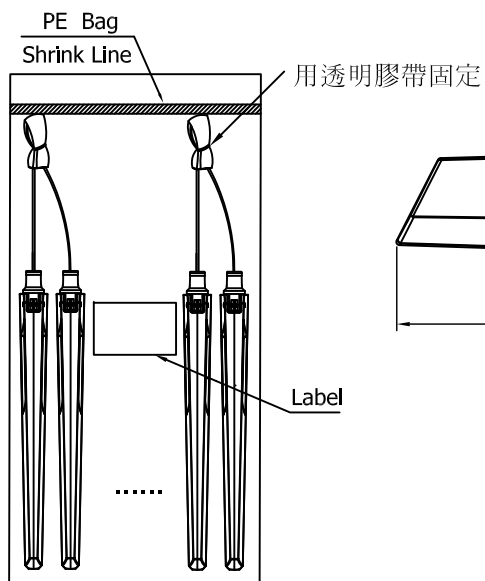
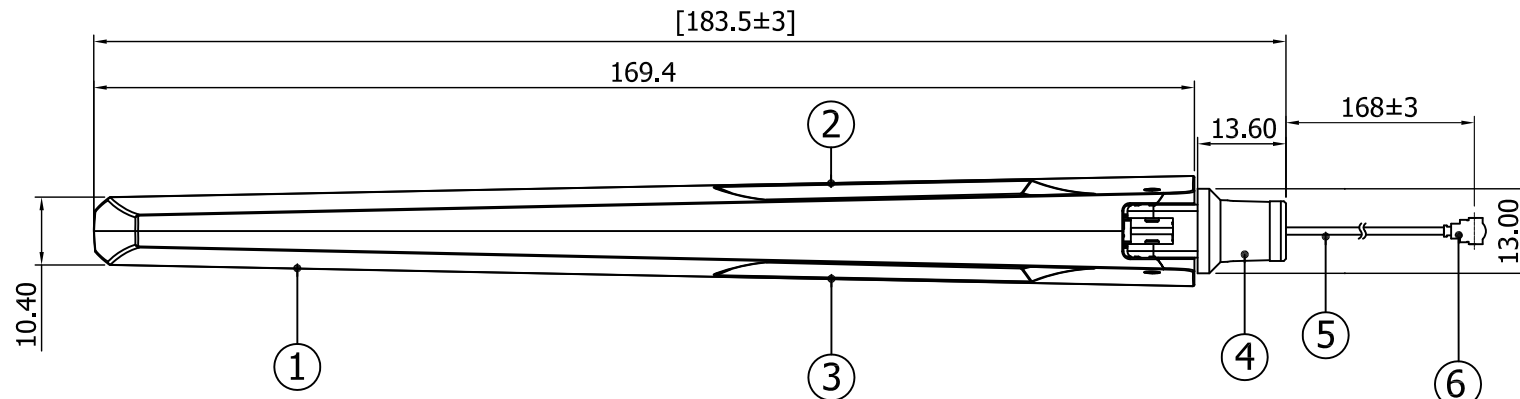
- 2.1 Operating Temp. -10°C ~ +60°C
- 2.2 Storage Temp. -10°C ~ +70°C

CG-XXXX

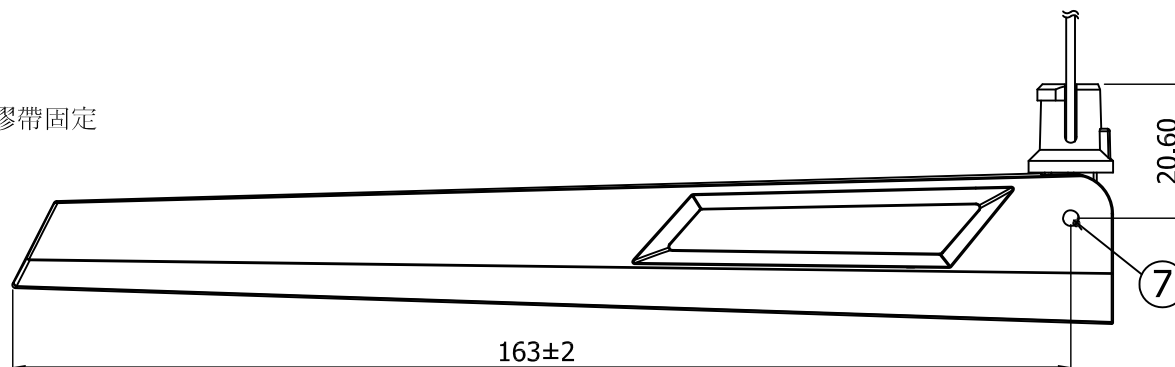
REV	DATE	DESCRIPTION
X1	06/27-2019	New Issue
X2	07/29-2019	修改材質



GP標籤貼於紙箱側麥左上角(共2PCS)
外箱標籤貼於紙箱側麥右上角(共1PCS)
成品淨重:12000±5%mg



Packing:10PCS/bag
(5PCS/bundle)



7	Rivet	POM,Color: Black	2	
6	Connector	MHF Plug	1	
5	Cable	Ø1.37 Cable;Gray	1	
4	Antenna Base	(CD-1636)PC/PBT ;Color:Black	1	
3	右塞	(CD-757)ABS ; Color :Yellow	1	
2	左塞	(CD-756)ABS ; Color :Yellow	1	
1	Antenna Cap	(CD-755)ABS ; Color :Black	1	
NO	DESCRIPTION		QTY	REMARK



CUSTOMER'S SIGNATURE

XX.	± 3.0	APPROVED
X.	± 2.0	
.X	± 1.0	CHECKED
.XX	± 0.5	
.XXX	± 0.1	DRAWING

CUSTOMER: ASUS		
PART NO :		
PARTNAME: RF Antenna Assembly		
W.Y P/NO : C660-510475-A		
REV	UNIT	FILE : SRF2019818
X2	m/m	SHEET : 1/1

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C660-510475-A NE3-19072 Antenna Test Report

Version: V 1.00

Released Date: 2019/06/27

Prepared By: Cathy

Reviewed By: Sky Lo



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Website : www.whayu.com
E-mail : market@whayu.com

Contents

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- Antenna Placement & Solution
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- Return Loss Results
- Isolation Results
- Test Setup for Radiation Pattern Measurement
- 2D Radiation Pattern Results
- Results Summary (return loss, isolation, peak gain, efficiency)

Specification

Requirements of Antenna Design

RF Function	Number of ANT	Frequency Band	Remark
WiFi	4	2.412G Hz~2.472GHz/5.180GHz~5.825GHz	

Requirements of Measurement

Test Item	Specification	Remark
Return Loss	> 10dB	
Isolation	NA	
Efficiency	2.4G> 75% / 5G>65%	
Radiation pattern	Scale: +10 ~ -40dBi, Angle step size: 5 degree	

Antenna Placement & Solution



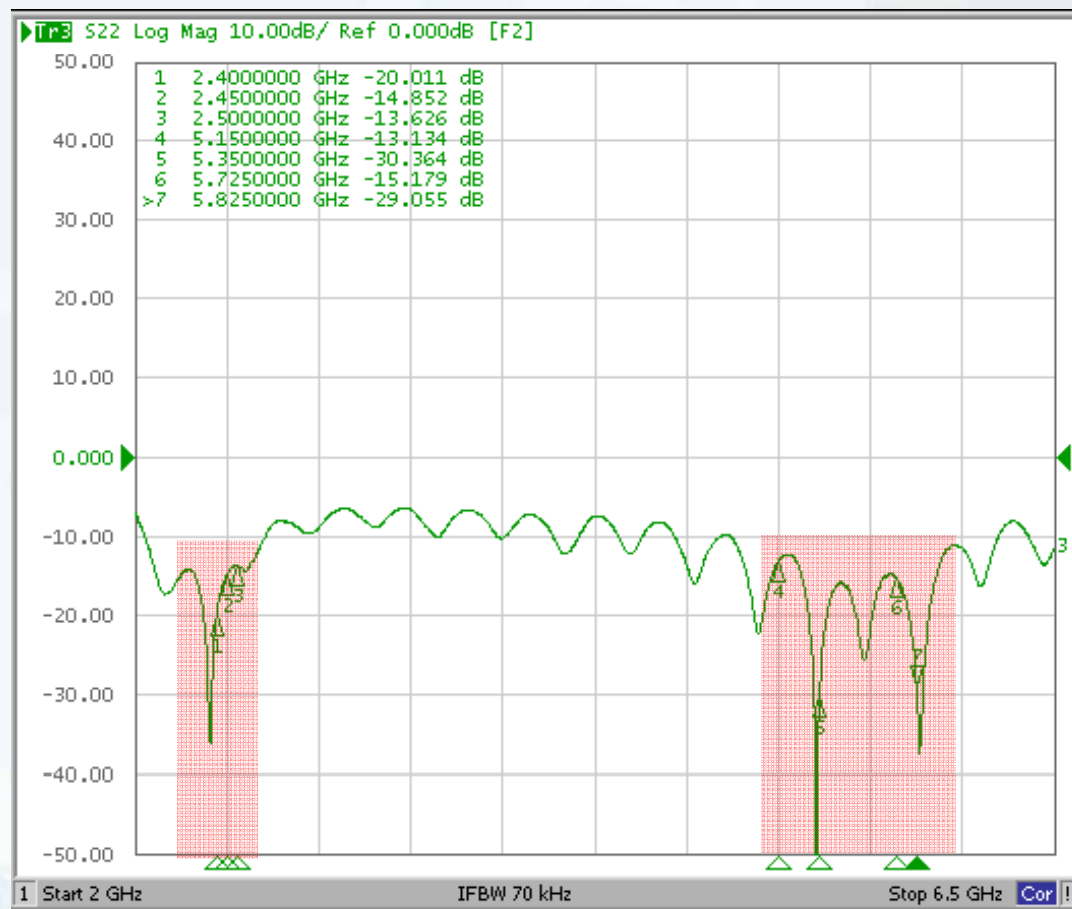
Antenna	ANT Type	Size (L * W * H)	Cable Length (mm)	Cable Type
ANT4(DualBand)-168mm	Metal Dipole		Exp168(Gray)	Ø1.37

Antenna Placement & Solution

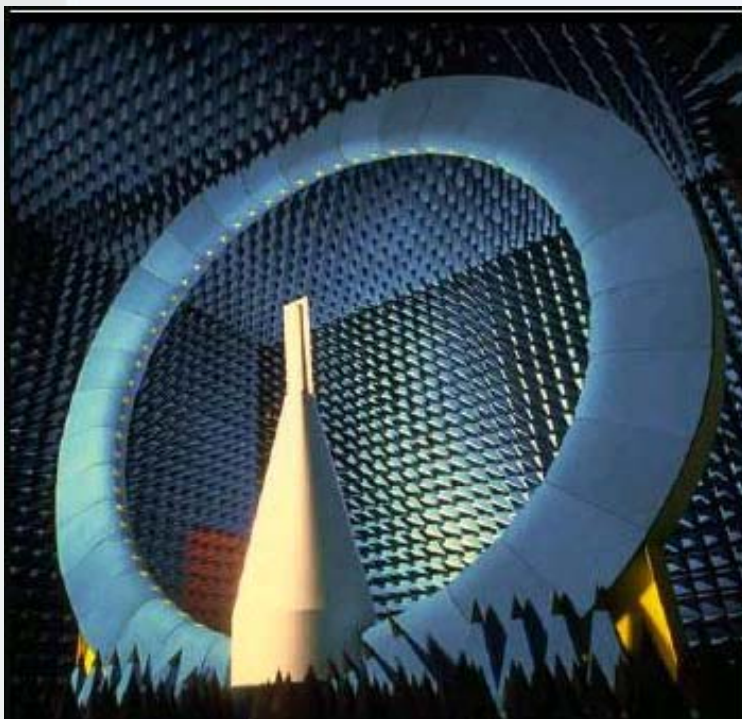
Antenna	Previous Version	Current Version
ANT1	ANT1_v1.00 	

Return Loss Results

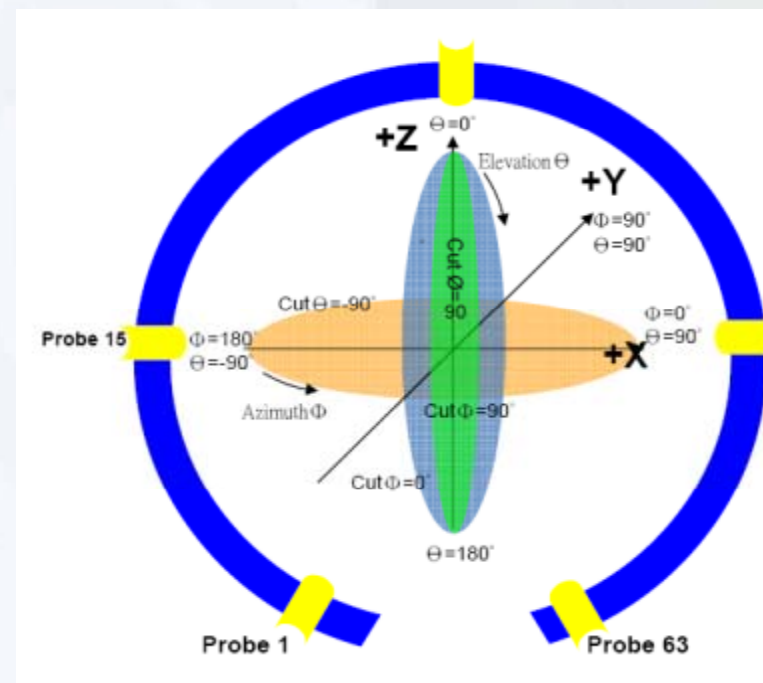
ANT4 (2400MHz~2500MHz/5150MHz~5825MHz) (Criterion:>10 dB)



Chamber Information

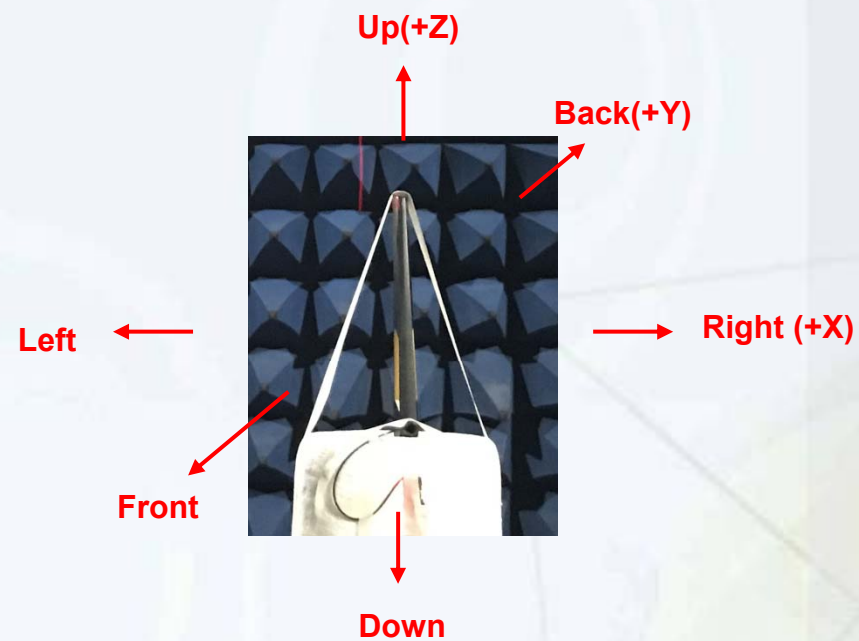


Chamber	Brand	Model	Location
SATIMO	SATIMO	SG-64	Taiwan HsinChu



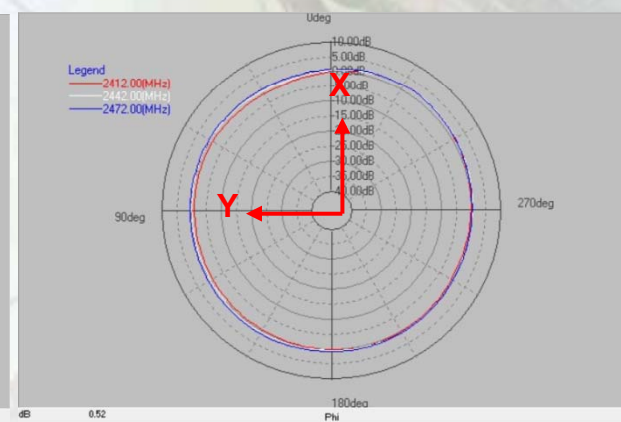
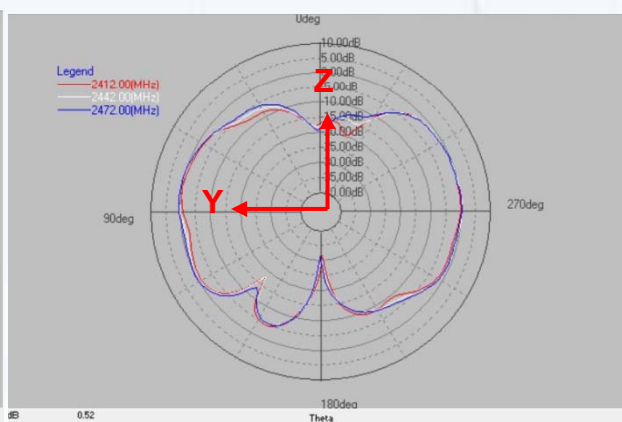
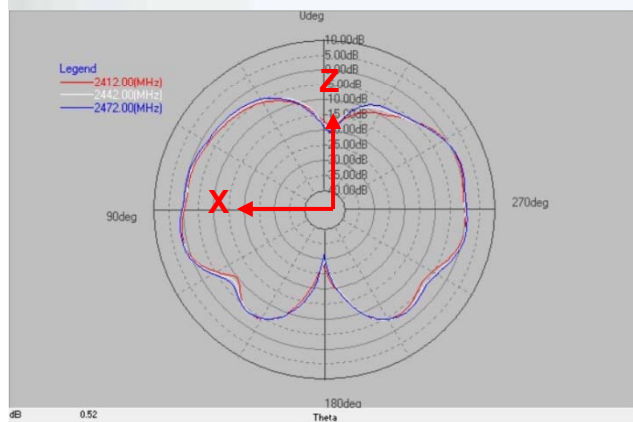
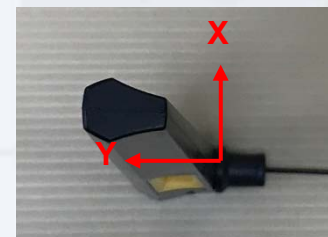
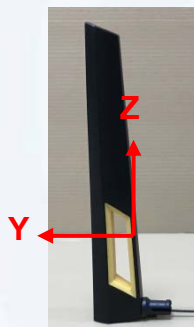
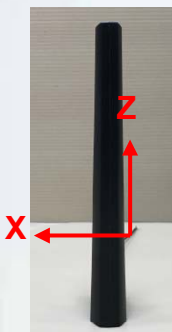
	θ	ϕ
Total angle	175°	360°
How many angle scan one point	5°	5°
Total scan point	36	73

Test Setup for Radiation Pattern Measurement



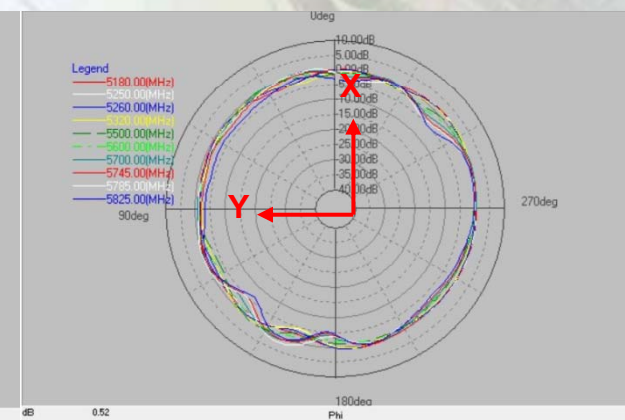
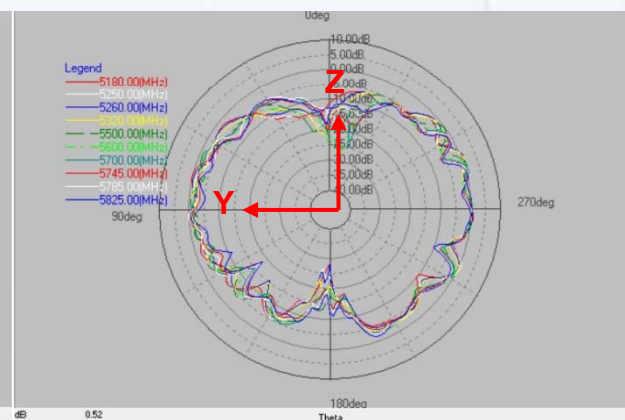
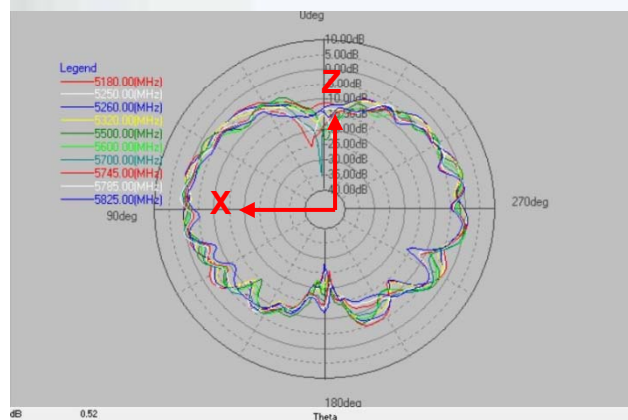
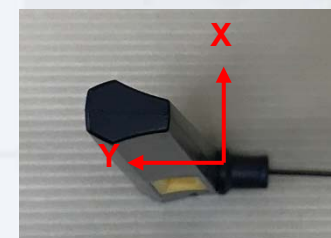
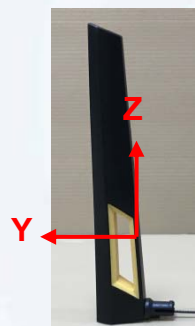
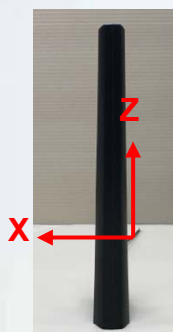
2D Radiation Pattern Results

Dipole(Dual Band)_ANT4 (2.4G)



2D Radiation Pattern Results

Dipole(Dual Band)_ANT4 (5G)



Results Summary

Return Loss (Criterion: >10dB)

Frequency (MHz)	ANT4
2400MHz	20
2450MHz	14
2500MHz	13
5150MHz	13
5350MHz	30
5725MHz	15
5825MHz	29

Results Summary

Gain & Efficiency

Frequency (MHz)	Ant4(Dual Band-165mm)	
	Gain(dBi)	Efficiency (%)
2412MHz	1.62	81
2442MHz	1.6	80
2472MHz	1.61	82
5180MHz	1.63	67
5250MHz	1.67	68
5260MHz	1.70	68
5320MHz	1.74	69
5500MHz	1.78	67
5600MHz	1.79	70
5700MHz	1.68	71
5745MHz	1.73	68
5785MHz	1.85	67
5825MHz	1.83	71