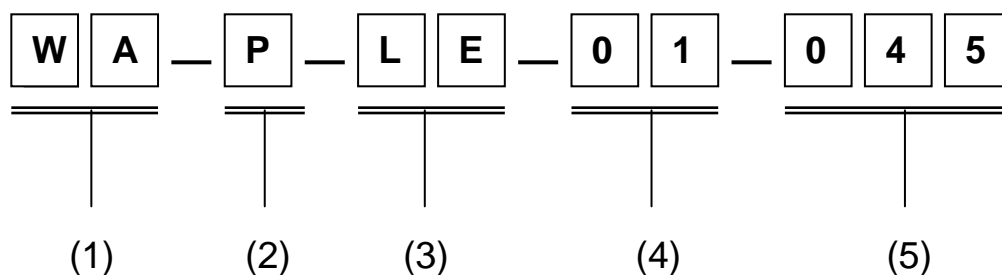


Embedded Multi-Band Antenna for WA-P-LE-01-045

1. Explanation of part number :



1. Product Type : Wireless Antenna
2. Material : PCB
3. Frequency/Band code : 2400~2500 & 5150~7125MHz
4. Coaxial Cable Type : White Coaxial Cable
5. Suffix : 045

UNLESS OTHER SPECIFIED TOLERANCES ON : X=± X.X=± X.XX=± ANGLES=± HOLEDIA=±			INPAQ TECHNOLOGY CO., LTD.
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DRAWN BY:廖偉廷	CHECKED BY:鄭榮謀	DESIGNED BY:高楨棋 APPROVED BY:張建焜	
TITLE : Embedded Multi-Band Antenna for WA-P-LE-01-045		DOCUMENT NO.	SPEC REV. P0

2. Electrical Specification :

Ant. Part Number (main & aux parts)	Type	Highest Peak Gain with Cable Loss (dBi)		Cable loss (dB)		Connector Type	Cable length	Laptop/ Host Model
		2400~2500	5150~7125	2400~2500	5150~7125			
		MHz	MHz	MHz	MHz			
Aux: INPAQ P/N: WA-P-LE-01-045 ASUS P/N: 14008-05650100	PIFA	2.91	4.61	0.89	1.56	I-PEX MHF4-L	319mm	BR1402

Antenna Type	PIFA Antenna For WIFI 802.11a/b/g/n/ac/ax	
Connector Type	I-PEX MHF4-L Connector	
Cable Type	OD 1.13 LLS RF Cable	
Impedance	50Ω	
Polarization	Linear	
Radiation Pattern	Omni-directional	
Frequency Range	WLAN 802.11a/b/g/n/ac/ax	2.4~2.5GHz & 5.15~7.125 GHz
VSWR	WLAN 802.11a/b/g/n/ac/ax	≤ 3.5
Operation Temperature	-10°C ~ +55°C	
Storage Temperature	-30°C ~ +75°C	
Return Loss	≤ -6 dB	
Max Power	1W	

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APPROVED BY: 張建焜

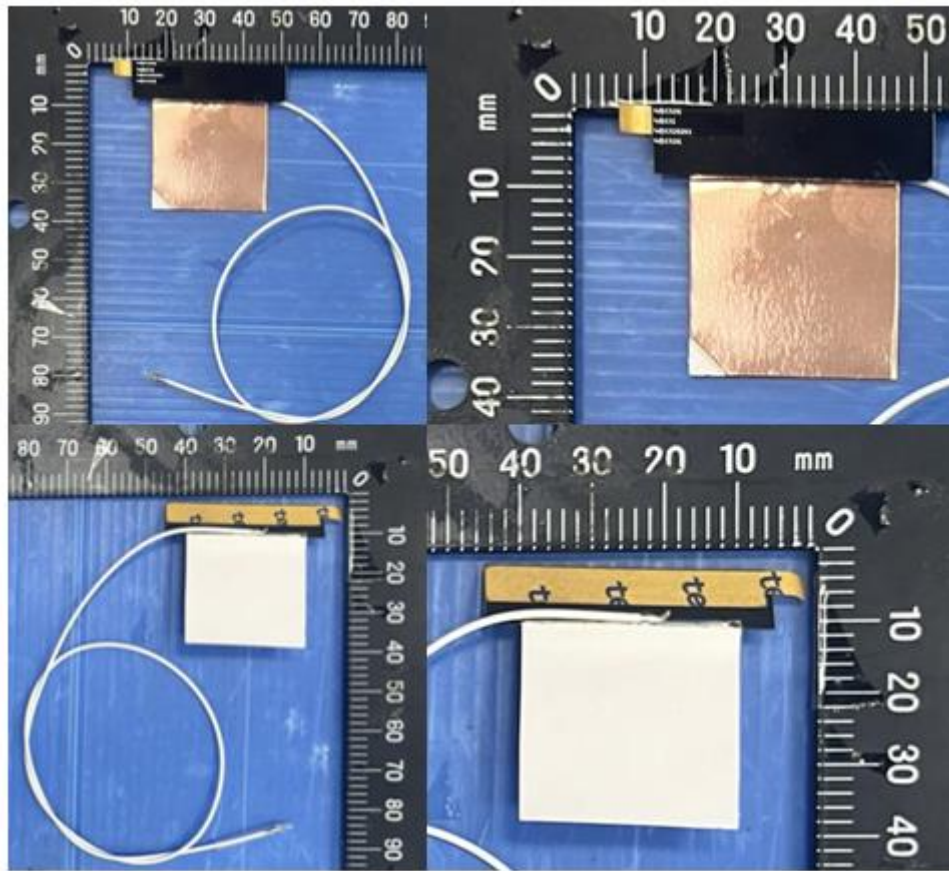
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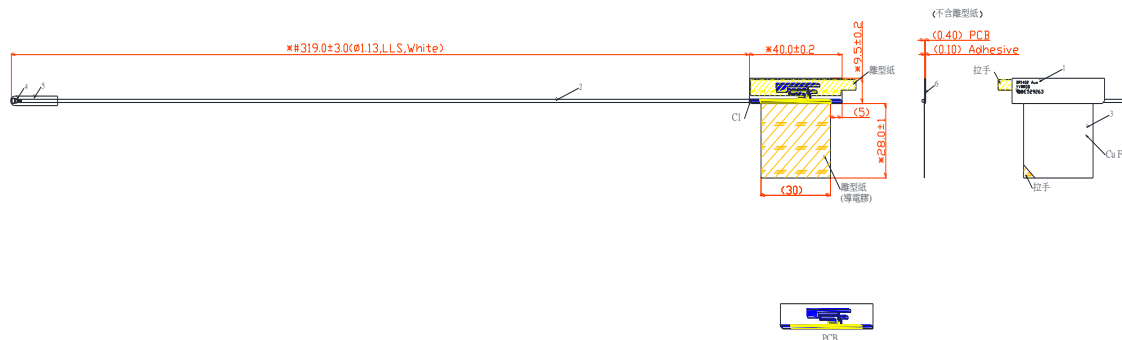
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3. Antenna Picture :



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TITLE : Embedded Multi-Band Antenna for WA-P-LE-01-045		DOCUMENT NO.	SPEC REV. P0

4. Antenna Drawing :



- NOTE:
1. 工程圖上*#*號為重點尺寸標註指示
Mark * * * are the key dimensions.
 2. 工程圖上*#*號為Cpk量測尺寸標註指示
Mark * # * are CPK dimensions.
 3. 銅箔長時間裸露會有氧化風險，應開封即用，若長時間裸露在外沒有保護，則銅箔表面氧化屬於正常現象

Drawing Rev.P7

ITEM	DESCRIPTION	MATERIAL SPECIFICATION	QUANTITY	UNIT	SUPPLIER	UL File NO
1	PCB	40x9.5x0.4mm	1	PCS	HA1041	E529263
2	Cable	OD 1.13,Lowloss,White	1	PCS	HA0008	E318898
3	Cu Foil	30x29x0.08mm	1	PCS	HA0184	N/A
4	Connector	I-PEX MHF-4L I-PEX Equivalent(compatible)	1	PCS	HA0063	E213445
5	Tube	ID1.9x20mm	1	PCS	HA1018	N/A
6	Adhesive	39x6x0.1mm	1	PCS	HA0184	N/A

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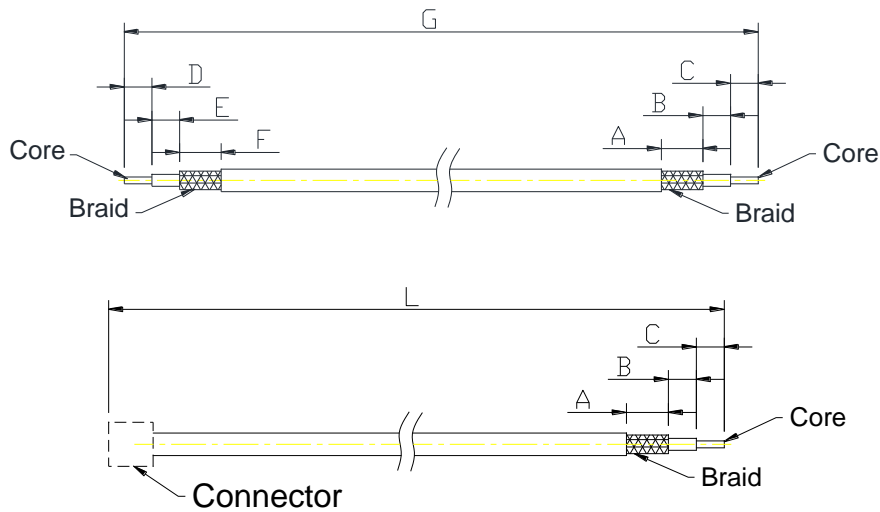
TITLE : Embedded Multi-Band Antenna for
 WA-P-LE-01-045

DOCUMENT NO.

SPEC REV.
 P0

5. RF Connector :

5-1 Cable Dimension :



Connector : I-PEX MHF-4L ; Cable : RF Cable ϕ 1.13 Low Loss(White)

L : 346.0 \pm 2.0

D : 1.20 \pm 0.15

A : 2.5 \pm 0.5(沾錫)

E : 0.72 \pm 0.15

B : 2.0 \pm 0.5

F : 1.00 \pm 0.15

C : 1.0 \pm 0.5(沾錫)

G : 345.0 \pm 2.0

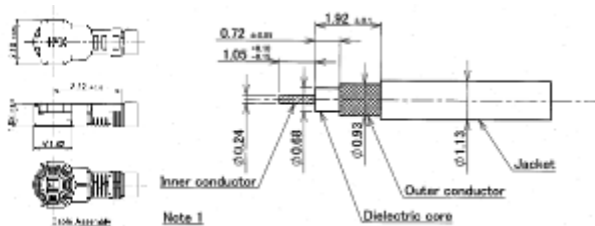
unit : mm

5-1.1 Electric SPEC :

短路/斷路測試 : (使用三用電表量測)

- 芯線與 Braid wires 間不可短路。
- Connector 之 Ground 與線路另一端之 Braid wires 間不可斷路。
- Connector 之芯線與線路另一端之芯線間不可斷路。

5-1.2 Connector Appearance : I-PEX MHF-4L (此為示意圖)



UNLESS OTHER SPECIFIED TOLERANCES ON :

X \pm X.X \pm X.XX \pm
 ANGLES \pm HOLEDIA \pm



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6. Electrical Specification :

Those specifications were specially defined for BR1402 model, and all characteristics were measured under the model's handset testing jig.

6-1. Frequency Band :

Frequency Band	MHz	MHz
Wi-Fi 6e	2400~2500	5150~7125

6-2. Impedance :

50 ohm nominal

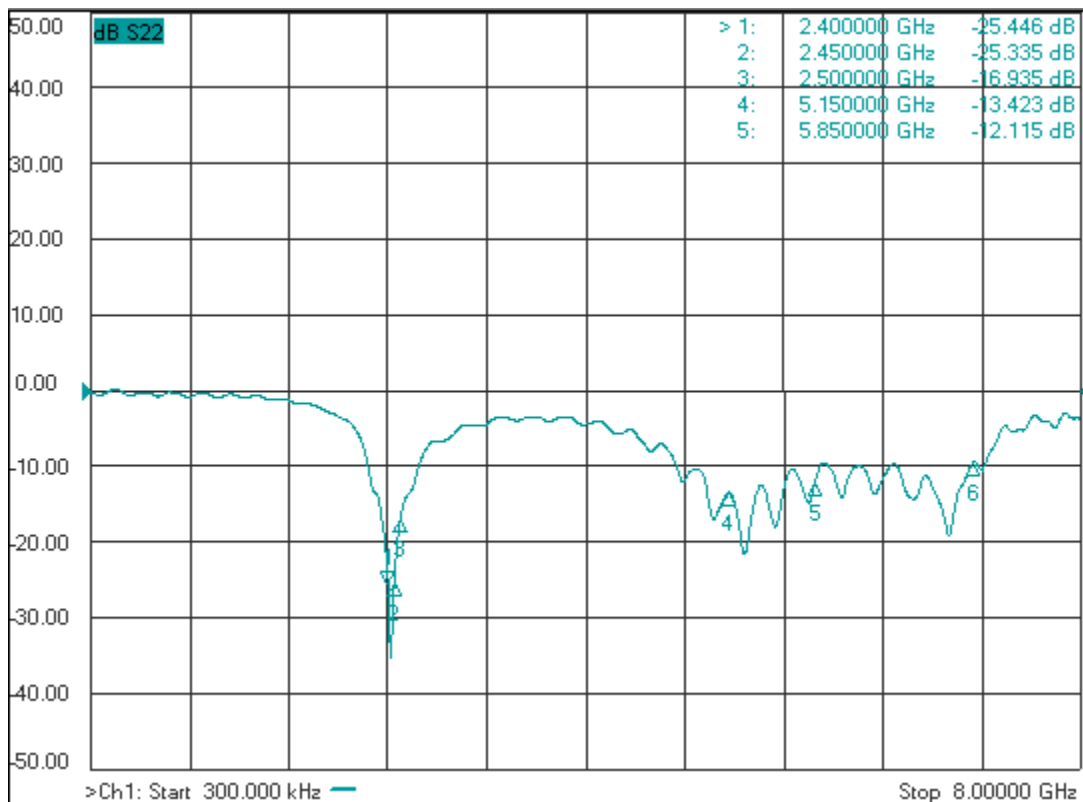
6-3. Matching circuit :

None

6-4. Return loss/VSWR :

NB Mode

Frequency(MHz)	2400	2500	5150	5850	7125
Aux S11(dB)	-25.45	-16.94	-13.42	-12.12	-9.94



UNLESS OTHER SPECIFIED TOLERANCES ON :

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 ANGLES=± HOLEDIA=±



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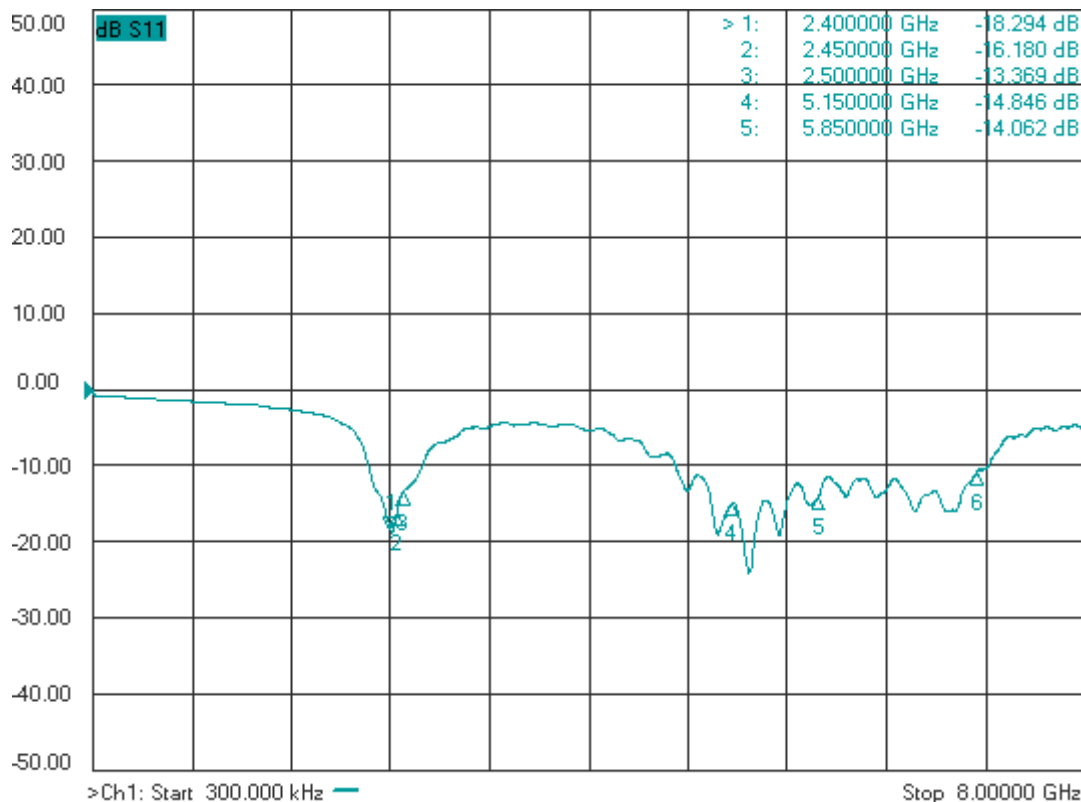
TITLE : Embedded Multi-Band Antenna for
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DOCUMENT
 NO.

SPEC REV.
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PAD Mode

Frequency(MHz)	2400	2500	5150	5850	7125
Aux S11(dB)	-18.29	-13.37	-14.85	-14.06	-11.54



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 ANGLES=± HOLEDIA=±



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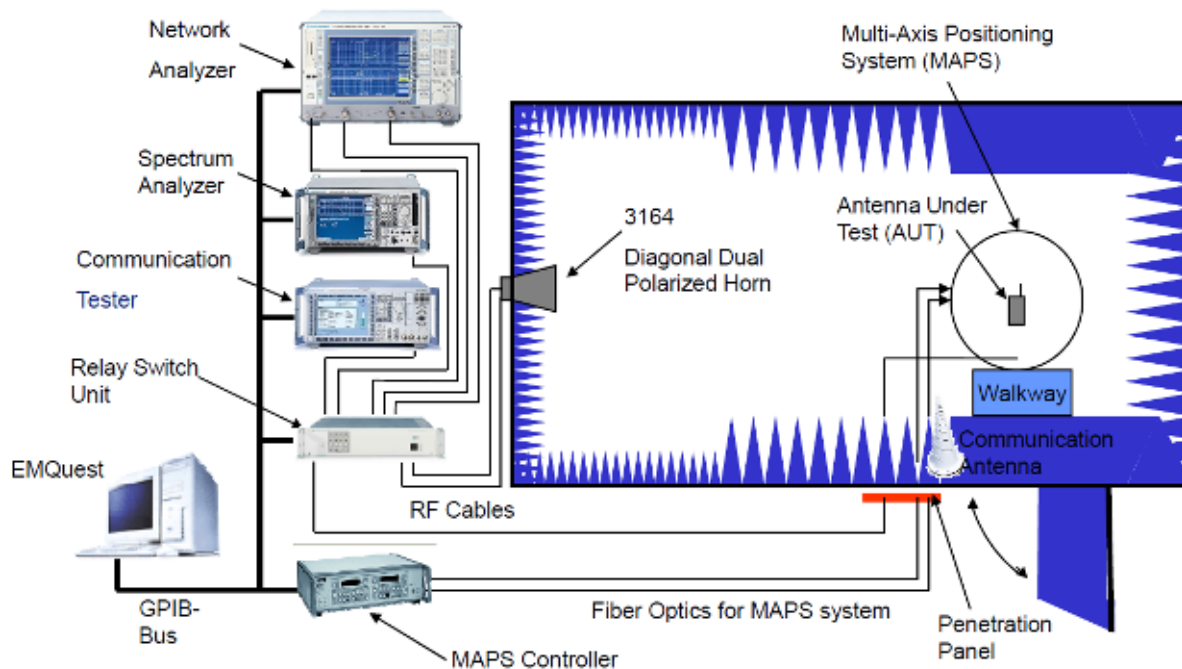
SPEC REV.
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6-5 Gain and Radiation Pattern

6-5.1 Measure method

1. Using a low loss coaxial cable to link a standard handset jig
2. Fixed this handset jig on chamber's rotator plane
3. Linking jig into network analyzer port and using a probing horn antenna to collect data.
4. Using another standard gain horn antenna to calibrated those data

6-5.2 Chamber definition



1. An anechoic chamber (10mx3mx3m) which satisfied far-field condition was applied to avoid multi-path effect
2. The quiet room region is 50cmx50cmx50cm at the center of rotator
3. The distance between DUT and standard antenna is 9.14m
4. Two measurement antennas is 3164-06 (300MHz - 6GHz) and 3164-05 (2 - 18GHz)

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6-5.3 Gain data and radiation pattern

Antenna gain is marked (dBi) and is based on **STANDARD HORN** antenna. The data shows Peak-Gain and Average-Gain.

NB Mode

Frequency (MHz)	Aux Gain Data	
	Three-dimensional peak (dBi]	Average (dBi)
2400	2.86	-3.27
2412	2.89	-3.14
2437	2.91	-3.15
2462	2.87	-3.24
2500	2.78	-2.96
5150	3.48	-3.50
5250	3.38	-3.68
5350	3.59	-3.59
5470	4.42	-3.64
5600	4.33	-3.92
5725	4.33	-4.04
5785	4.39	-3.95
5850	4.31	-4.25
5895	4.33	-4.22
5925	4.59	-4.69
6125	4.61	-4.60
6425	4.17	-4.76
6525	4.01	-4.90
6725	4.24	-4.46
6875	3.70	-4.81
6925	3.73	-4.98
7125	3.68	-5.65

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



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PAD Mode

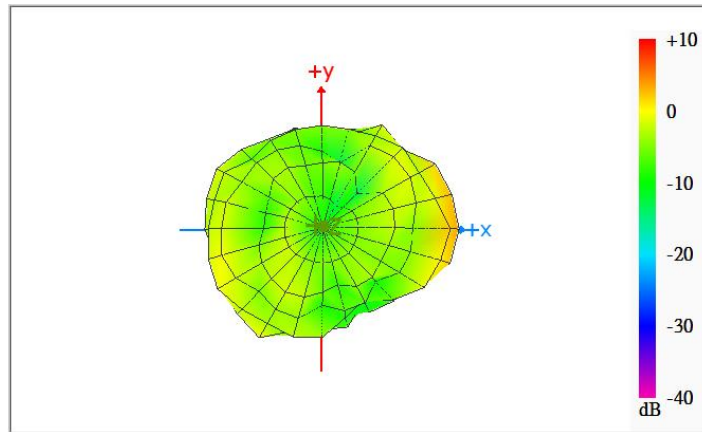
Frequency (MHz)	Aux Gain Data	
	Three-dimensional peak (dBi]	Average (dBi)
2400	2.48	-3.99
2412	2.69	-3.98
2437	2.67	-4.12
2462	2.47	-3.95
2500	2.75	-3.20
5150	3.34	-3.50
5250	3.36	-3.72
5350	3.70	-3.62
5470	4.52	-3.50
5600	4.09	-3.79
5725	4.16	-3.59
5785	3.95	-3.77
5850	4.29	-3.80
5895	3.65	-3.95
5925	3.02	-4.50
6125	3.96	-4.55
6425	3.66	-5.09
6525	3.57	-5.27
6725	2.99	-4.64
6875	2.05	-5.21
6925	1.63	-5.48
7125	2.04	-6.29

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NB Mode

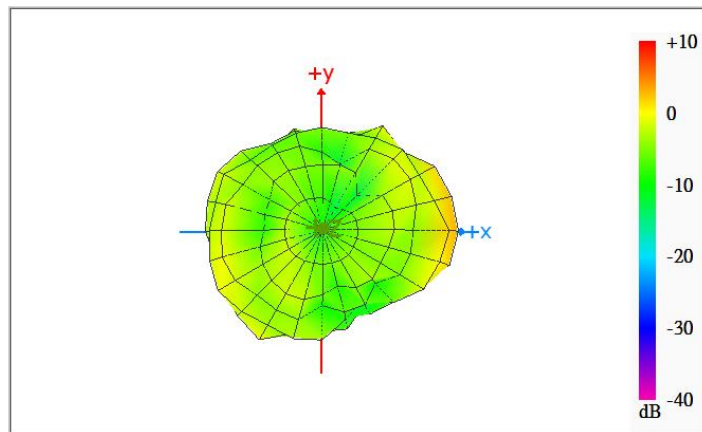
2400-2500MHz radiation characteristic

Aux antenna: 2400 MHz



Center Frequency	2400 MHz
Three-dimensional (dBi) peak	2.86

Aux antenna: 2412 MHz



Center Frequency	2412 MHz
Three-dimensional (dBi) peak	2.89

UNLESS OTHER SPECIFIED TOLERANCES ON :

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 ANGLES=± HOLEDIA=±



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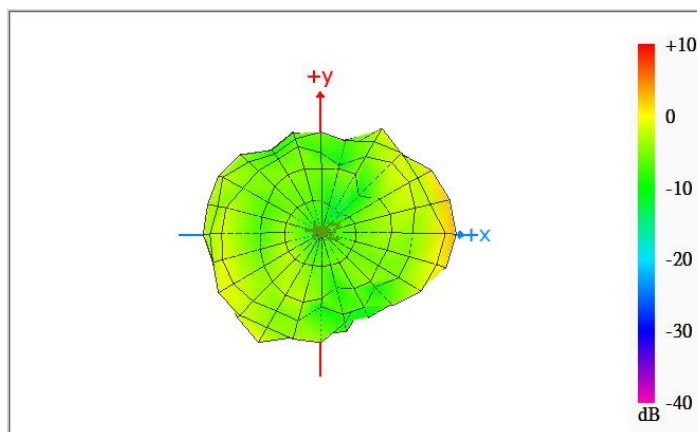
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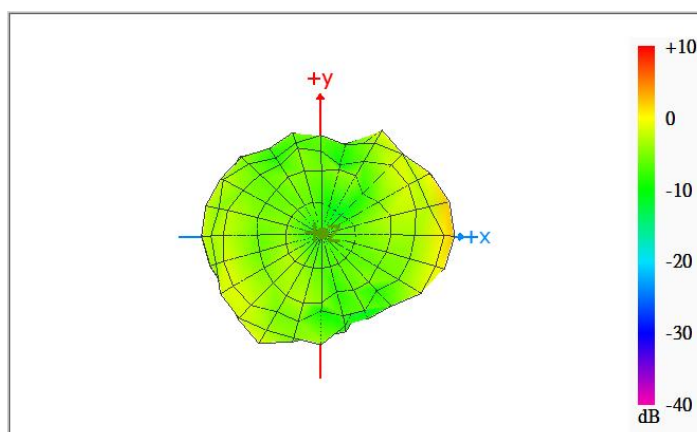
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Aux antenna: 2437 MHz




Center Frequency	2437 MHz
Three-dimensional (dBi) peak	2.91

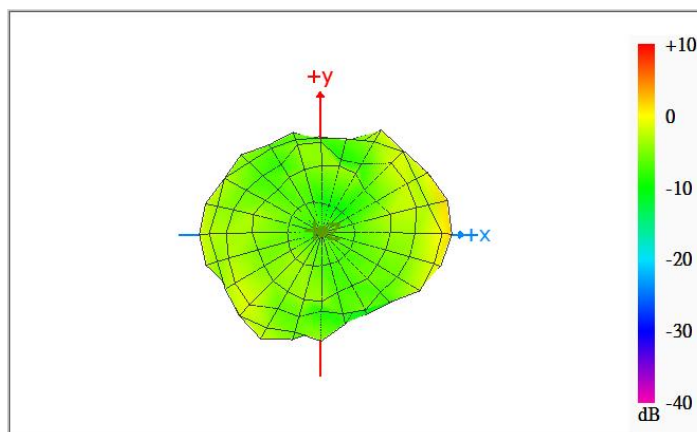
Aux antenna: 2462 MHz



Center Frequency	2462 MHz
Three-dimensional (dBi) peak	2.87

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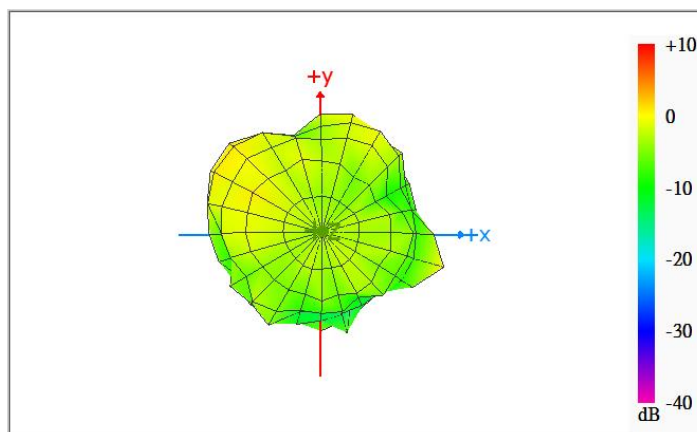
Aux antenna: 2500 MHz



Center Frequency	2500 MHz
Three-dimensional (dBi) peak	2.78

5150-5350MHz radiation characteristic

Aux antenna: 5150 MHz



Center Frequency	5150 MHz
Three-dimensional (dBi) peak	3.48

UNLESS OTHER SPECIFIED TOLERANCES ON :

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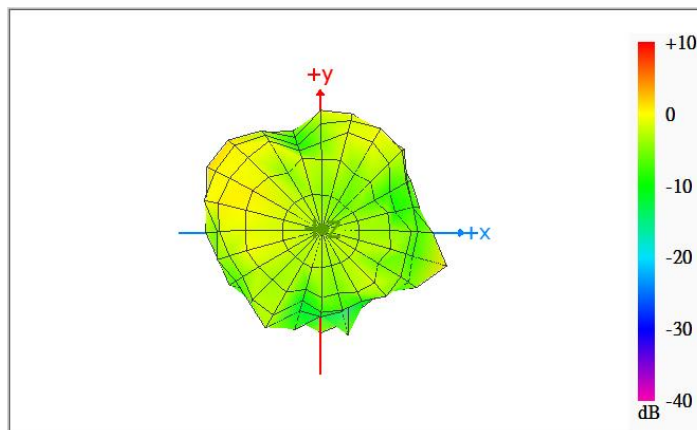
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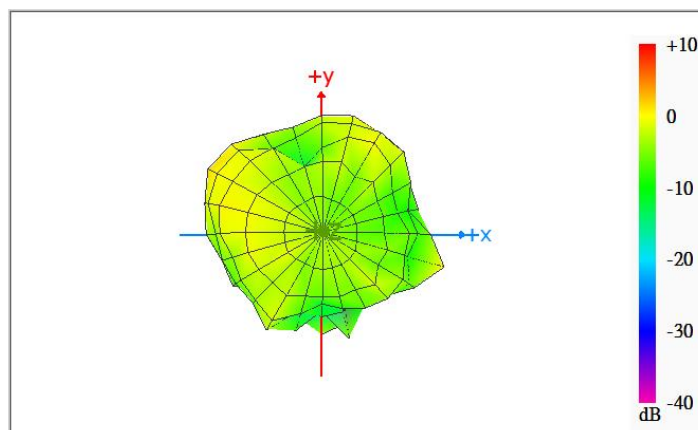
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Aux antenna: 5250 MHz



Center Frequency	5250 MHz
Three-dimensional (dBi) peak	3.38

Aux antenna: 5350 MHz



Center Frequency	5350 MHz
Three-dimensional (dBi) peak	3.59

UNLESS OTHER SPECIFIED TOLERANCES ON :

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 ANGLES=± HOLEDIA=±



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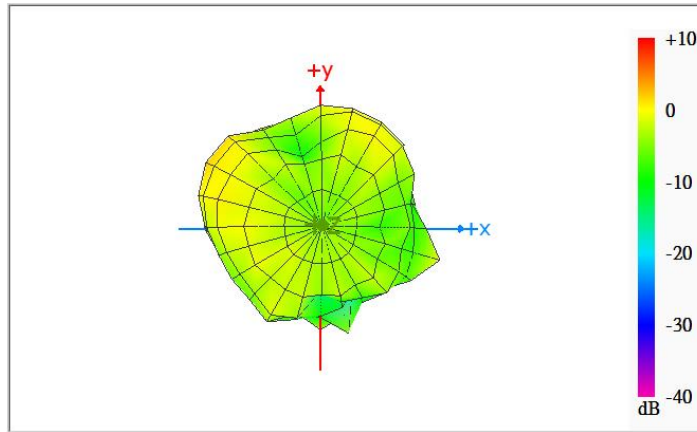
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 WA-P-LE-01-045

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 NO.

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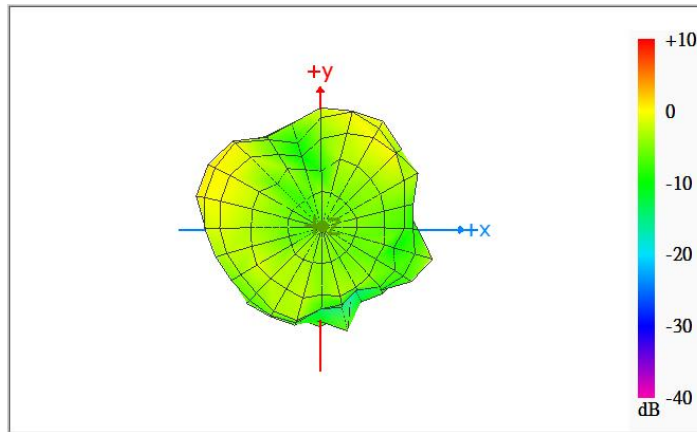
5470-5725MHz radiation characteristic

Aux antenna: 5470 MHz



Center Frequency	5470 MHz
Three-dimensional (dBi) peak	4.42

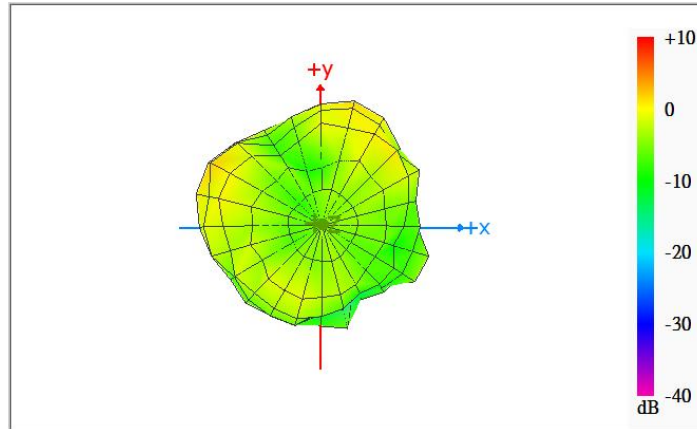
Aux antenna: 5600 MHz



Center Frequency	5600 MHz
Three-dimensional (dBi) peak	4.33

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DESIGNED BY:高楨棋	APPROVED BY:張建焜	
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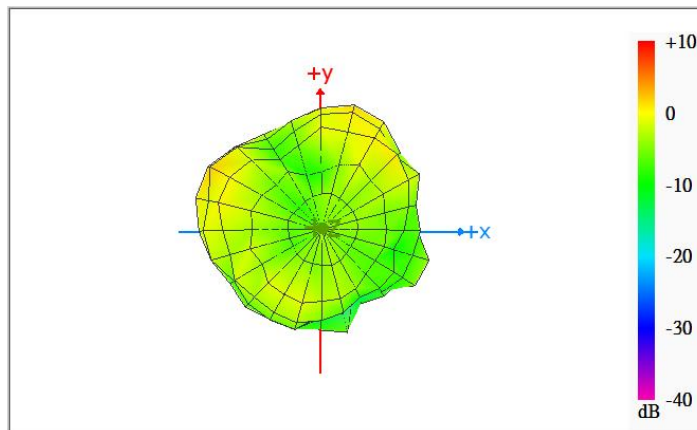
Aux antenna: 5725 MHz



Center Frequency	5725 MHz
Three-dimensional (dBi) peak	4.33

5725-5850MHz radiation characteristic

Aux antenna: 5725 MHz



Center Frequency	5725 MHz
Three-dimensional (dBi) peak	4.33

UNLESS OTHER SPECIFIED TOLERANCES ON :

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 ANGLES=± HOLEDIA=±



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DESIGNED BY:高楨棋

APPROVED BY:張建焜

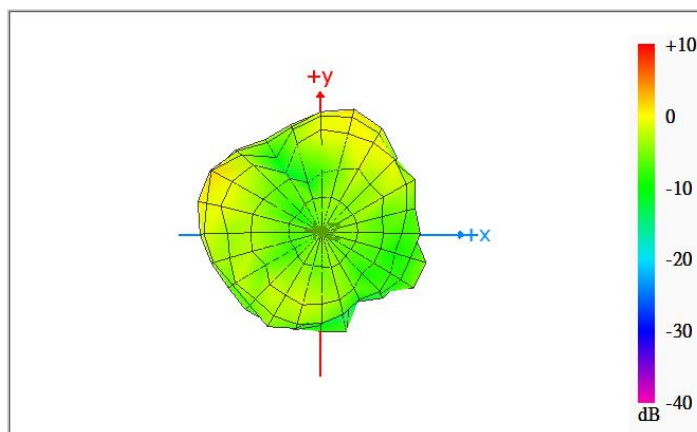
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 WA-P-LE-01-045

DOCUMENT NO.

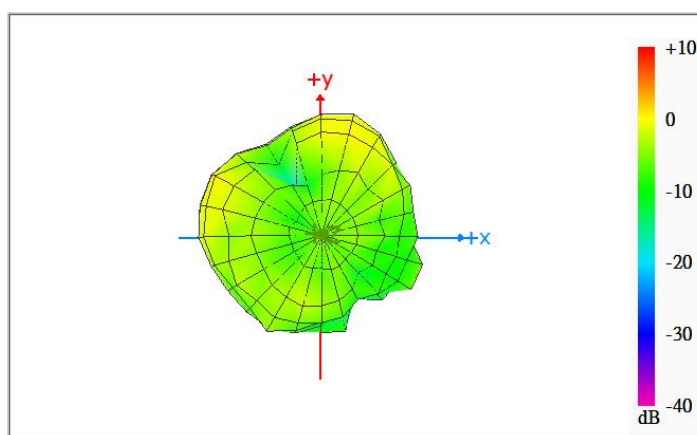
SPEC REV.
 P0

Aux antenna: 5785 MHz



Center Frequency	5785 MHz
Three-dimensional (dBi) peak	4.39

Aux antenna: 5850 MHz

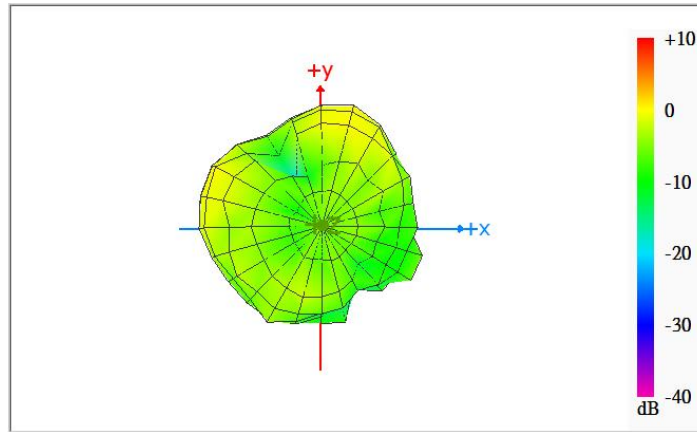


Center Frequency	5850 MHz
Three-dimensional (dBi) peak	4.31

UNLESS OTHER SPECIFIED TOLERANCES ON :		 INPAQ TECHNOLOGY CO., LTD.
X=±	X.X=±	
ANGLES=±	HOLEDIA=±	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION
SCALE : N/A	UNIT : mm	
DRAWN BY:廖偉廷	CHECKED BY:鄭榮謀	
DESIGNED BY:高楨棋	APPROVED BY:張建焜	
TITLE : Embedded Multi-Band Antenna for WA-P-LE-01-045	DOCUMENT NO.	SPEC REV. P0

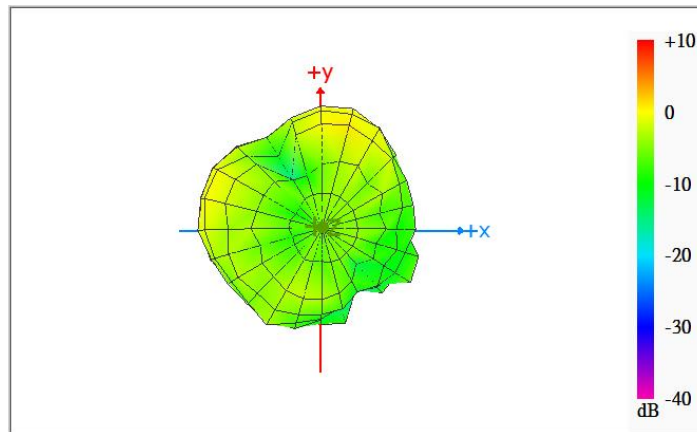
5850-5895MHz radiation characteristic

Aux antenna: 5850 MHz



Center Frequency	5850 MHz
Three-dimensional (dBi) peak	4.31

Aux antenna: 5895 MHz



Center Frequency	5895 MHz
Three-dimensional (dBi) peak	4.33

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

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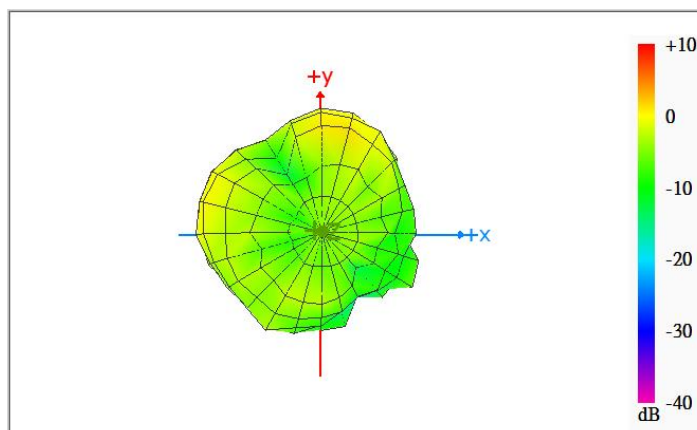
TITLE : Embedded Multi-Band Antenna for
 WA-P-LE-01-045

DOCUMENT
 NO.

SPEC REV.
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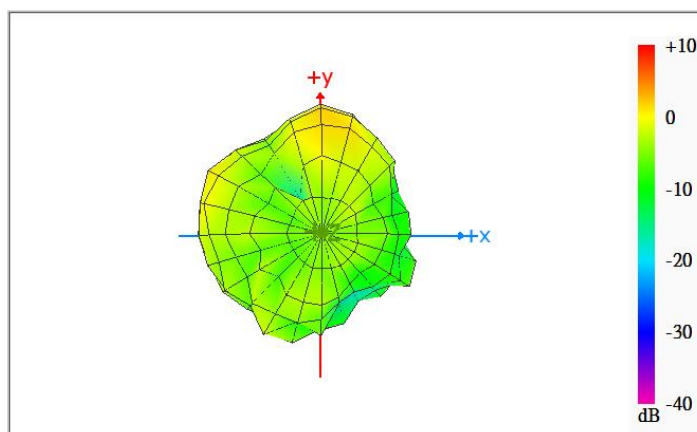
5925-6425MHz radiation characteristic

Aux antenna: 5925 MHz



Center Frequency	5925 MHz
Three-dimensional (dBi) peak	4.59

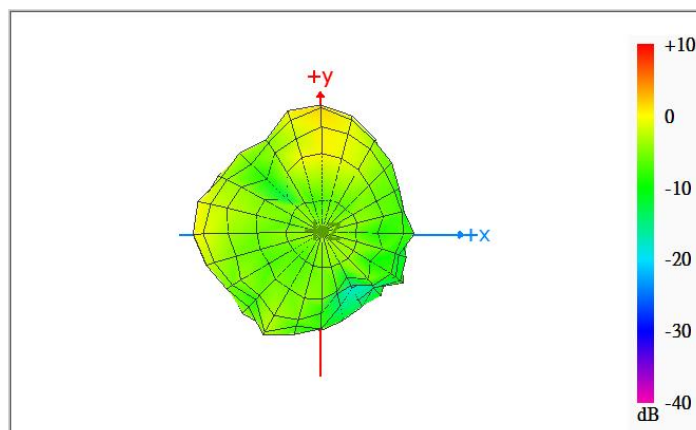
Aux antenna: 6125 MHz



Center Frequency	6125 MHz
Three-dimensional (dBi) peak	4.61

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X=±	X.X=±		
ANGLES=±	HOLEDIA=±		
SCALE : N/A	UNIT : mm		
DRAWN BY:廖偉廷	CHECKED BY:鄭榮謀		
DESIGNED BY:高楨棋	APPROVED BY:張建焜		
TITLE : Embedded Multi-Band Antenna for WA-P-LE-01-045	DOCUMENT NO.		SPEC REV. P0

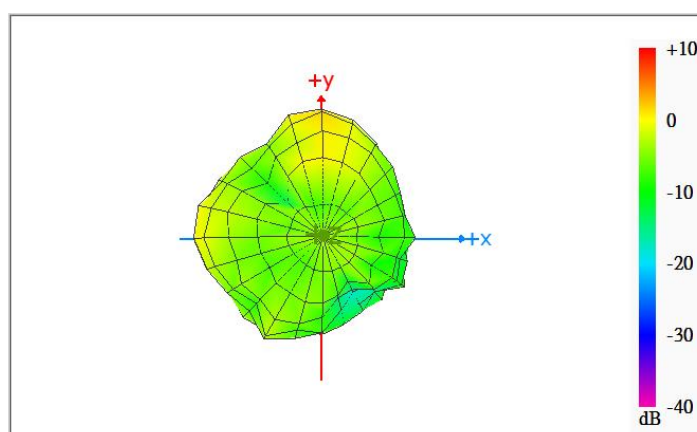
Aux antenna: 6425 MHz



Center Frequency	6425 MHz
Three-dimensional (dBi) peak	4.17

6425-6525MHz radiation characteristic

Aux antenna: 6425 MHz



Center Frequency	6425 MHz
Three-dimensional (dBi) peak	4.17

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

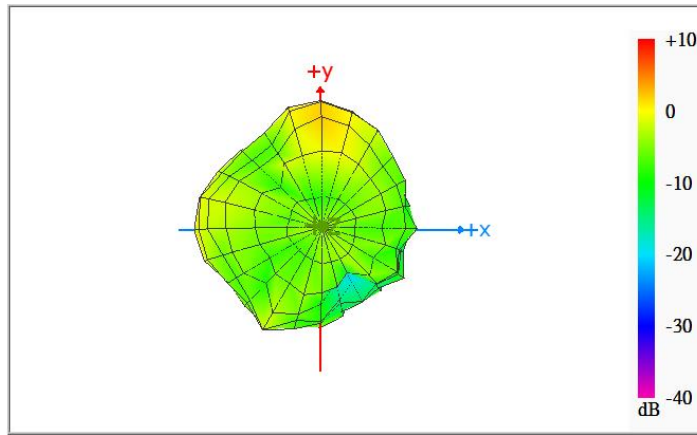
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TITLE : Embedded Multi-Band Antenna for
 WA-P-LE-01-045

DOCUMENT
 NO.

SPEC REV.
P0

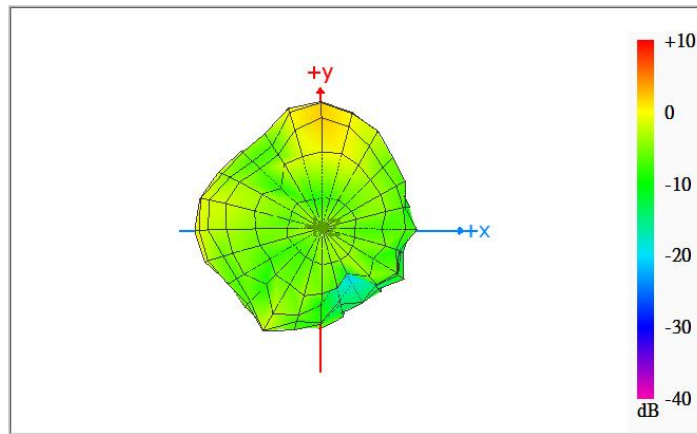
Aux antenna: 6525 MHz



Center Frequency	6525 MHz
Three-dimensional (dBi) peak	4.01

6525-6875MHz radiation characteristic

Aux antenna: 6525 MHz



Center Frequency	6525 MHz
Three-dimensional (dBi) peak	4.01

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

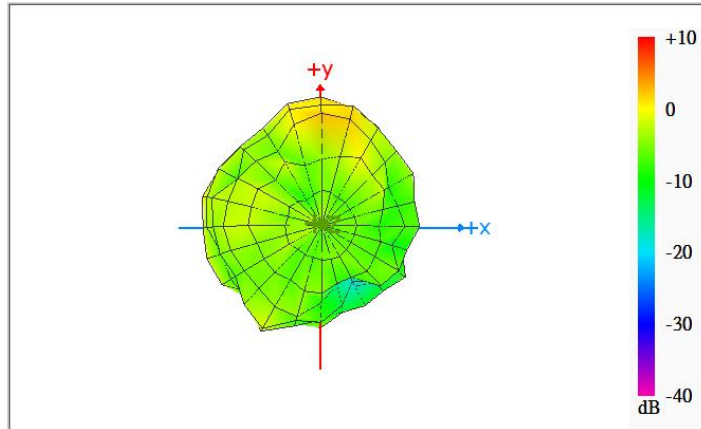
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TITLE : Embedded Multi-Band Antenna for
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DOCUMENT
 NO.

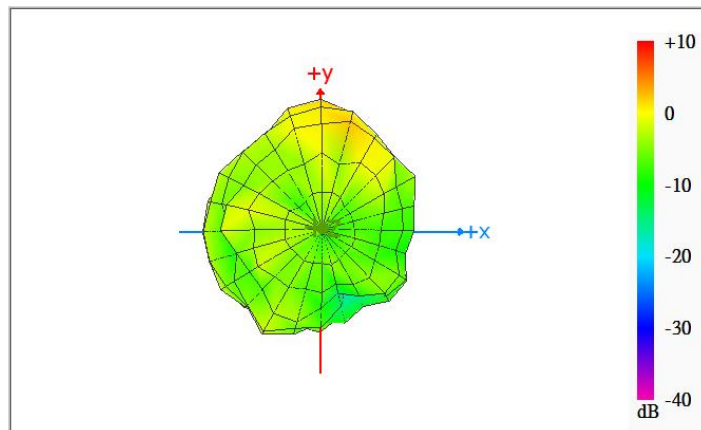
SPEC REV.
P0

Aux antenna: 6725 MHz



Center Frequency	6725 MHz
Three-dimensional (dBi) peak	4.24

Aux antenna: 6875 MHz



Center Frequency	6875 MHz
Three-dimensional (dBi) peak	3.70

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

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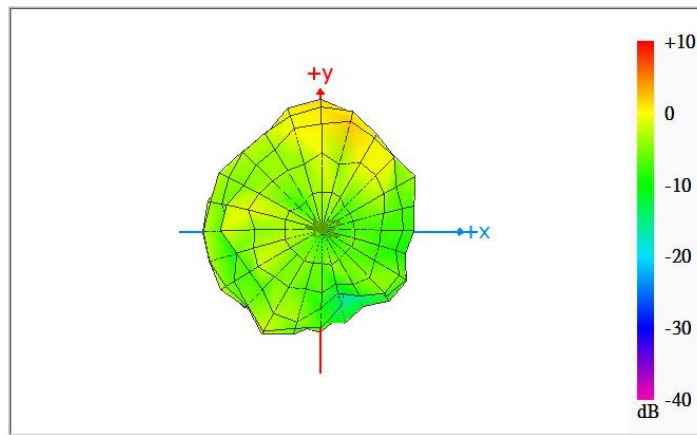
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 WA-P-LE-01-045

DOCUMENT
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SPEC REV.
P0

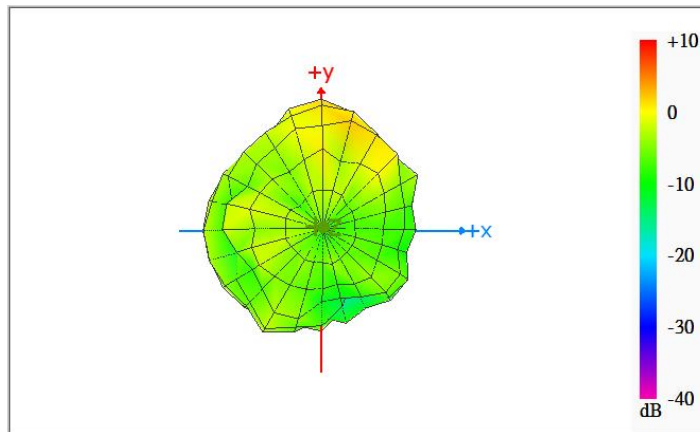
6875-7125MHz radiation characteristic

Aux antenna: 6875 MHz



Center Frequency	6875 MHz
Three-dimensional (dBi) peak	3.70

Aux antenna: 6925 MHz



Center Frequency	6925 MHz
Three-dimensional (dBi) peak	3.73

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

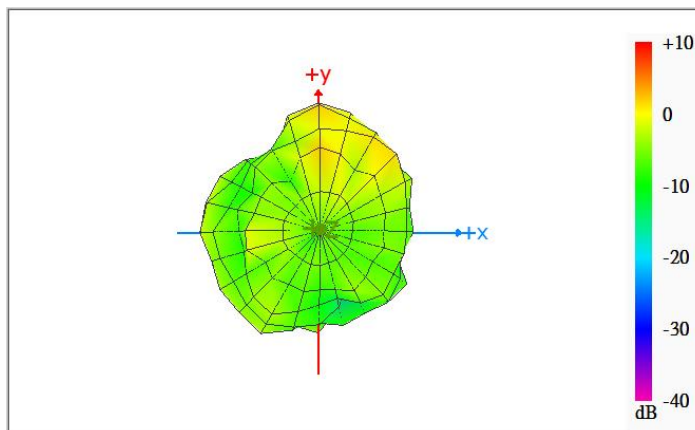
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TITLE : Embedded Multi-Band Antenna for
 WA-P-LE-01-045

DOCUMENT
 NO.

SPEC REV.
P0

Aux antenna: 7125 MHz



Center Frequency	7125 MHz
Three-dimensional (dBi) peak	3.68

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

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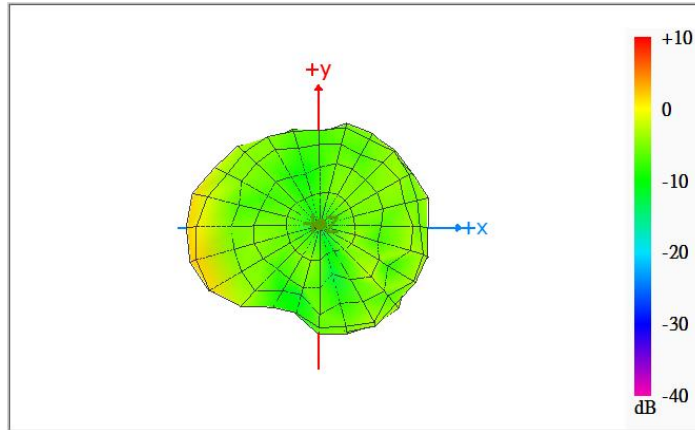
DOCUMENT
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SPEC REV.
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PAD Mode

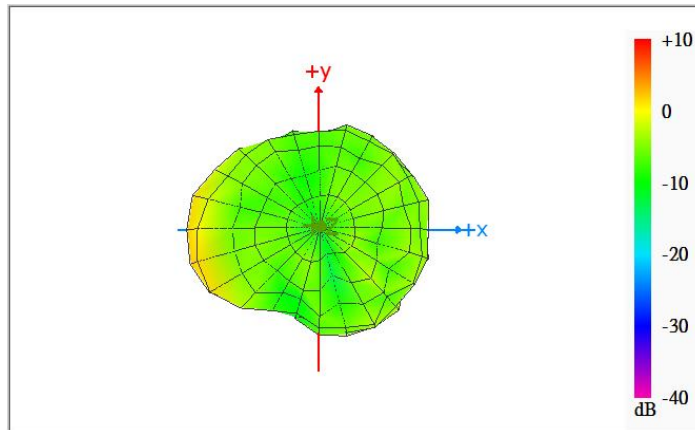
2400-2500MHz radiation characteristic

Aux antenna: 2400 MHz



Center Frequency	2400 MHz
Three-dimensional (dBi) peak	2.48

Aux antenna: 2412 MHz



Center Frequency	2412 MHz
Three-dimensional (dBi) peak	2.69

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

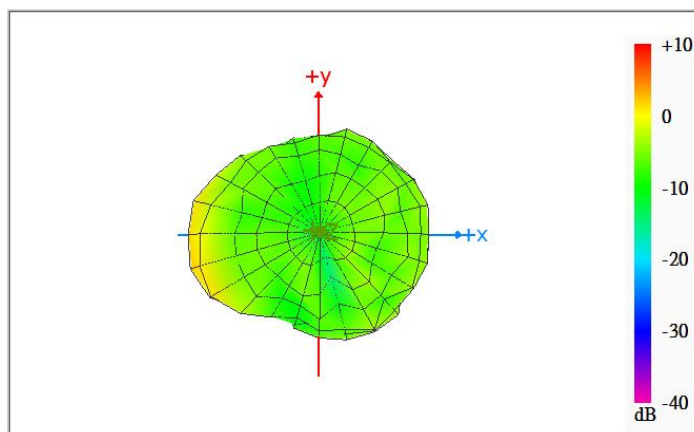
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DOCUMENT
 NO.

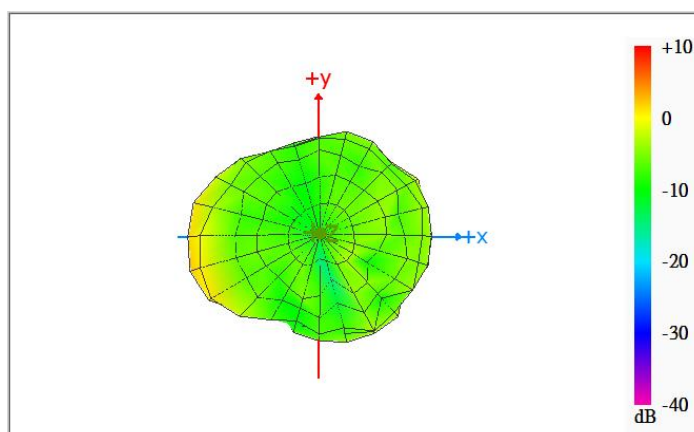
SPEC REV.
P0

Aux antenna: 2437 MHz



Center Frequency	2437 MHz
Three-dimensional (dBi) peak	2.67

Aux antenna: 2462 MHz



Center Frequency	2462 MHz
Three-dimensional (dBi) peak	2.47

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

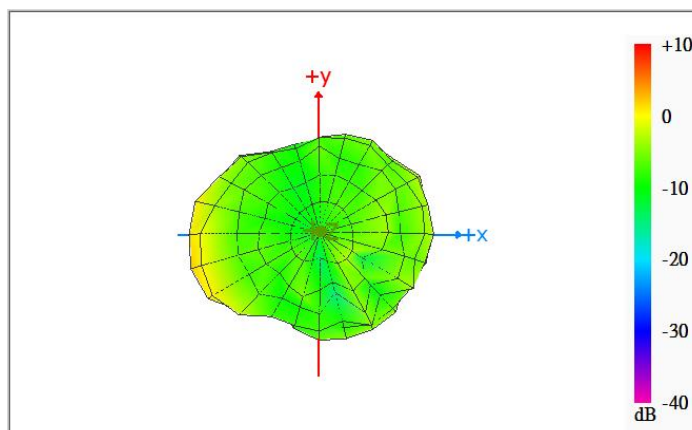
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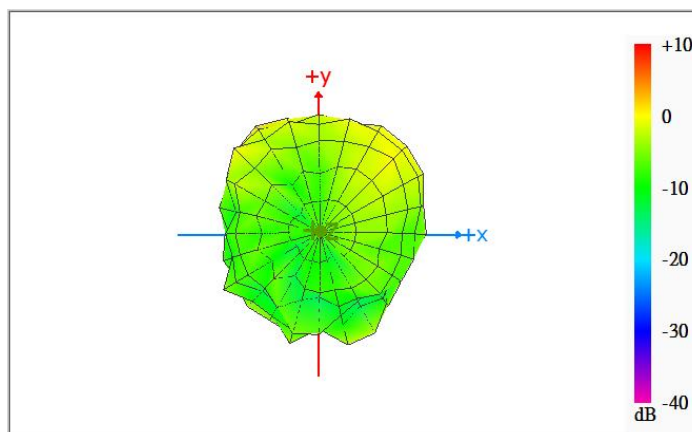
Aux antenna: 2500 MHz




Center Frequency	2500 MHz
Three-dimensional (dBi) peak	2.75

5150-5350MHz radiation characteristic

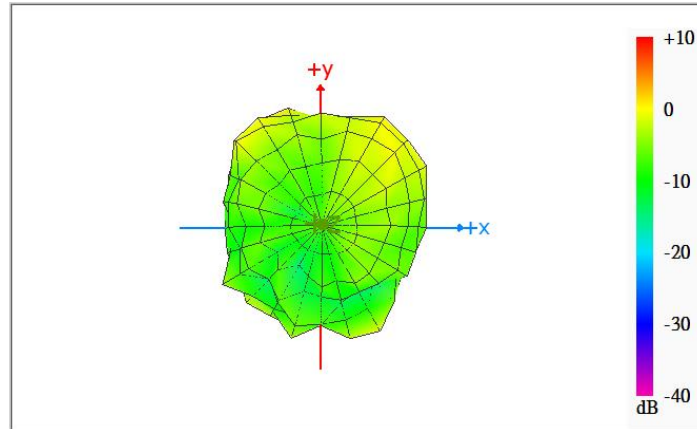
Aux antenna: 5150 MHz



Center Frequency	5150 MHz
Three-dimensional (dBi) peak	3.34

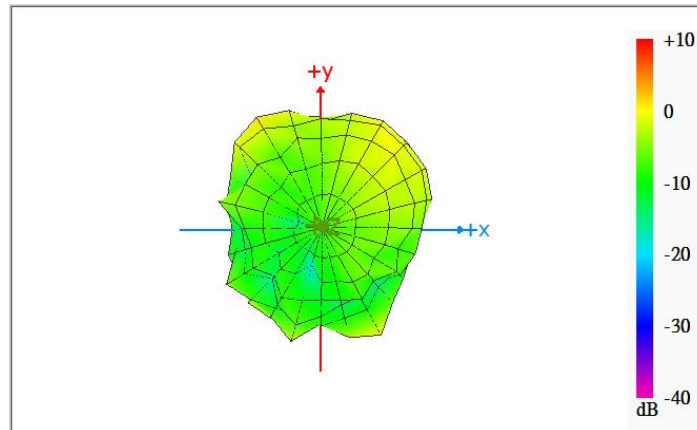
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SCALE : N/A	UNIT : mm	
DRAWN BY:廖偉廷	CHECKED BY:鄭榮謀	
DESIGNED BY:高楨棋	APPROVED BY:張建焜	
TITLE : Embedded Multi-Band Antenna for WA-P-LE-01-045	DOCUMENT NO.	SPEC REV. P0

Aux antenna: 5250 MHz



Center Frequency	5250 MHz
Three-dimensional (dBi) peak	3.36

Aux antenna: 5350 MHz



Center Frequency	5350 MHz
Three-dimensional (dBi) peak	3.70

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

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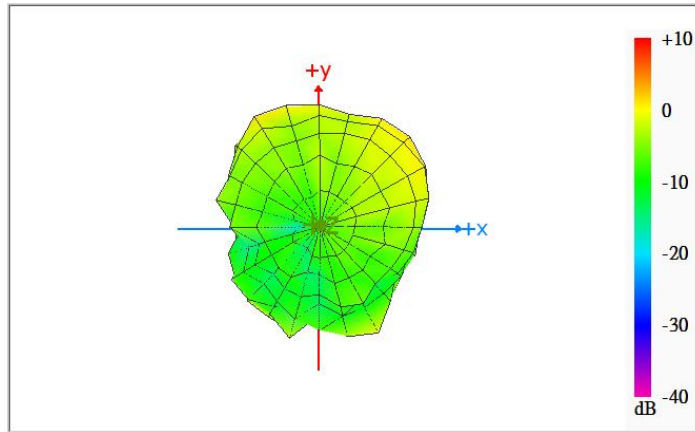
TITLE : Embedded Multi-Band Antenna for
 WA-P-LE-01-045

DOCUMENT
 NO.

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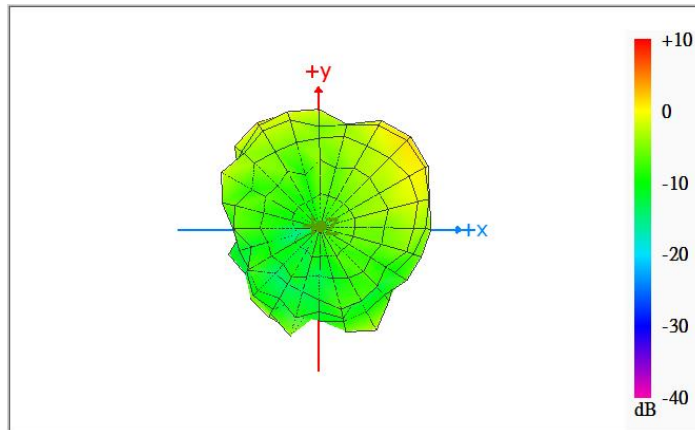
5470-5725MHz radiation characteristic

Aux antenna: 5470 MHz



Center Frequency	5470 MHz
Three-dimensional (dBi) peak	4.52

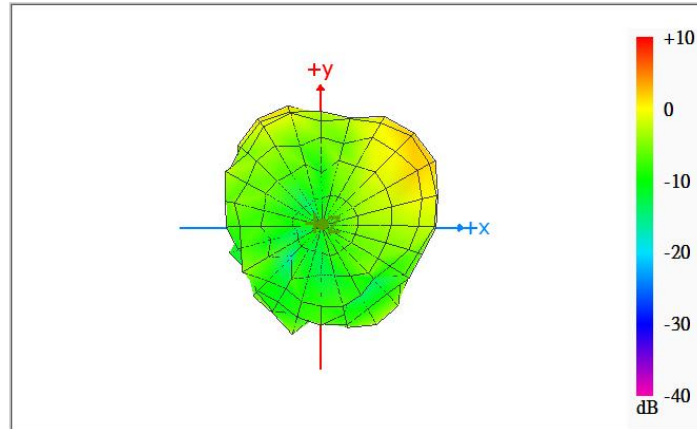
Aux antenna: 5600 MHz



Center Frequency	5600 MHz
Three-dimensional (dBi) peak	4.09

UNLESS OTHER SPECIFIED TOLERANCES ON : X=± X.X=± X.XX=± ANGLES=± HOLEDIA=±		 INPAQ TECHNOLOGY CO., LTD.	
SCALE : N/A	UNIT : mm		
DRAWN BY: 廖偉廷	CHECKED BY: 鄭榮謀	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
DESIGNED BY: 高楨棋	APPROVED BY: 張建焜		
TITLE : Embedded Multi-Band Antenna for WA-P-LE-01-045		DOCUMENT NO.	SPEC REV. P0

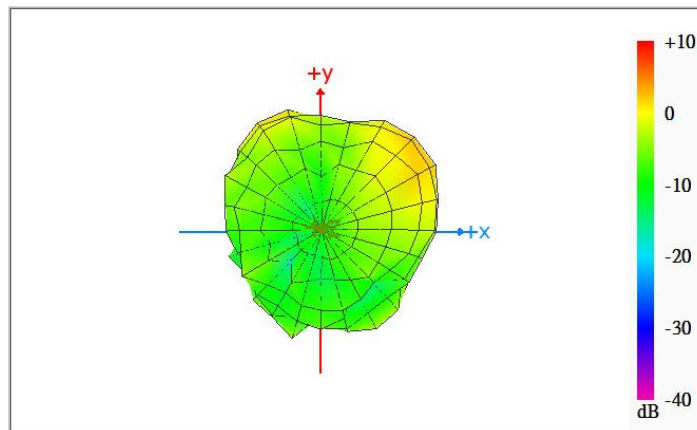
Aux antenna: 5725 MHz



Center Frequency	5725 MHz
Three-dimensional (dBi) peak	4.16

5725-5850MHz radiation characteristic

Aux antenna: 5725 MHz



Center Frequency	5725 MHz
Three-dimensional (dBi) peak	4.16

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

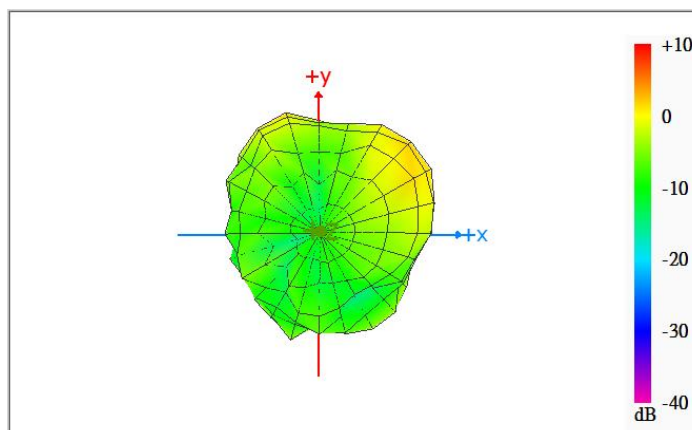
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DOCUMENT NO.

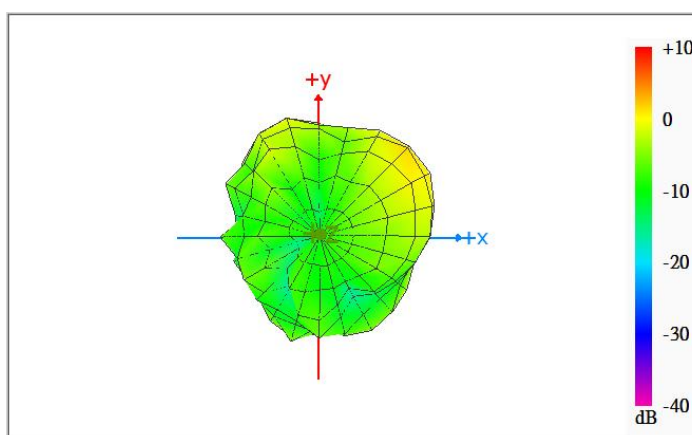
SPEC REV.
 P0

Aux antenna: 5785 MHz




Center Frequency	5785 MHz
Three-dimensional (dBi) peak	3.95

Aux antenna: 5850 MHz

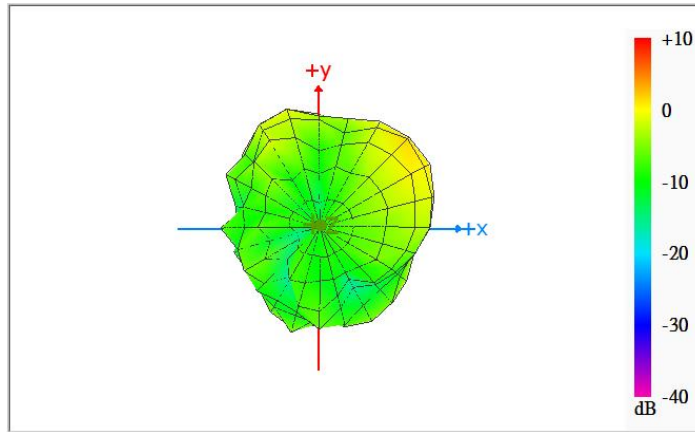


Center Frequency	5850 MHz
Three-dimensional (dBi) peak	4.29

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ANGLES=±	HOLEDIA=±	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
SCALE : N/A	UNIT : mm		
DRAWN BY:廖偉廷	CHECKED BY:鄭榮謀		
DESIGNED BY:高楨棋	APPROVED BY:張建焜		
TITLE : Embedded Multi-Band Antenna for WA-P-LE-01-045		DOCUMENT NO.	SPEC REV. P0

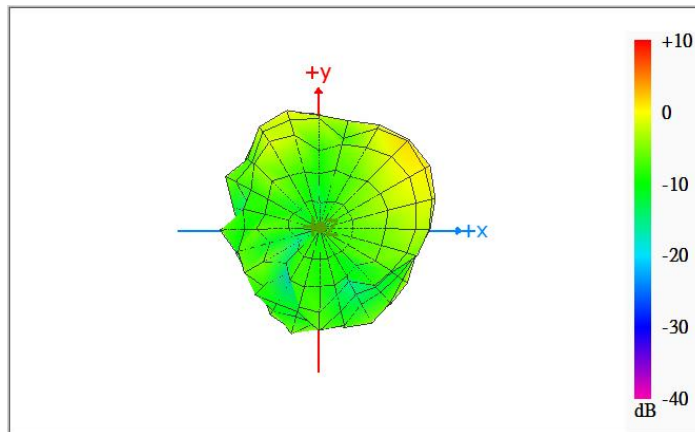
5850-5895MHz radiation characteristic

Aux antenna: 5850 MHz



Center Frequency	5850 MHz
Three-dimensional (dBi) peak	4.29

Aux antenna: 5895 MHz



Center Frequency	5895 MHz
Three-dimensional (dBi) peak	3.65

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

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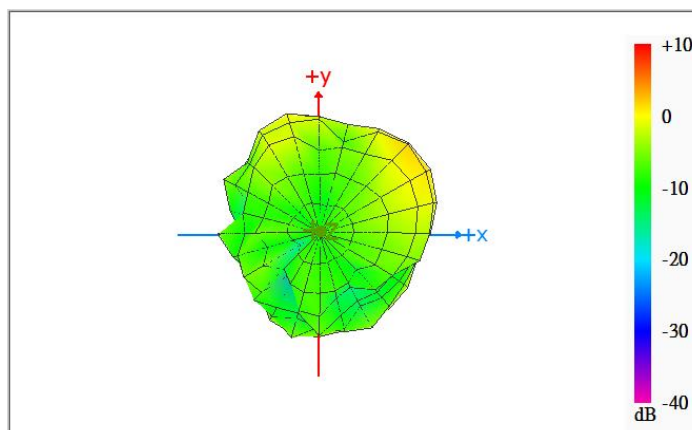
TITLE : Embedded Multi-Band Antenna for
 WA-P-LE-01-045

DOCUMENT
 NO.

SPEC REV.
P0

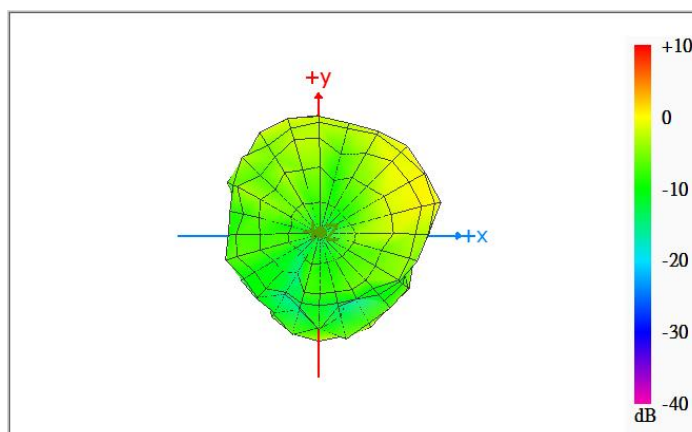
5925-6425MHz radiation characteristic

Aux antenna: 5925 MHz




Center Frequency	5925 MHz
Three-dimensional (dBi) peak	3.02

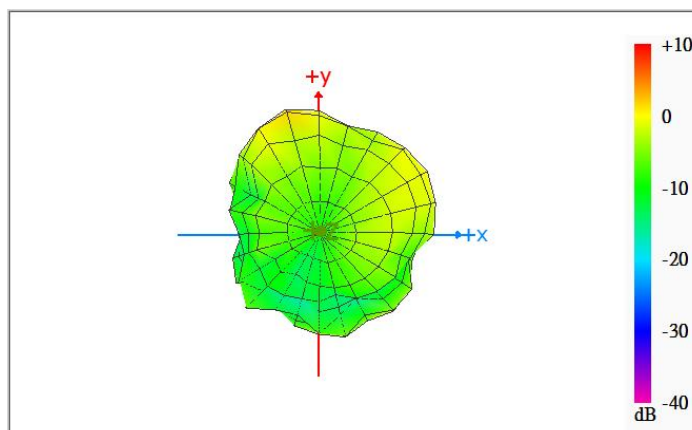
Aux antenna: 6125 MHz



Center Frequency	6125 MHz
Three-dimensional (dBi) peak	3.96

UNLESS OTHER SPECIFIED TOLERANCES ON : X=± X.X=± X.XX=± ANGLES=± HOLEDIA=±		 INPAQ TECHNOLOGY CO., LTD.	
SCALE : N/A	UNIT : mm		
DRAWN BY: 廖偉廷	CHECKED BY: 鄭榮謀	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
DESIGNED BY: 高楨棋	APPROVED BY: 張建焜		
TITLE : Embedded Multi-Band Antenna for WA-P-LE-01-045		DOCUMENT NO.	SPEC REV. P0

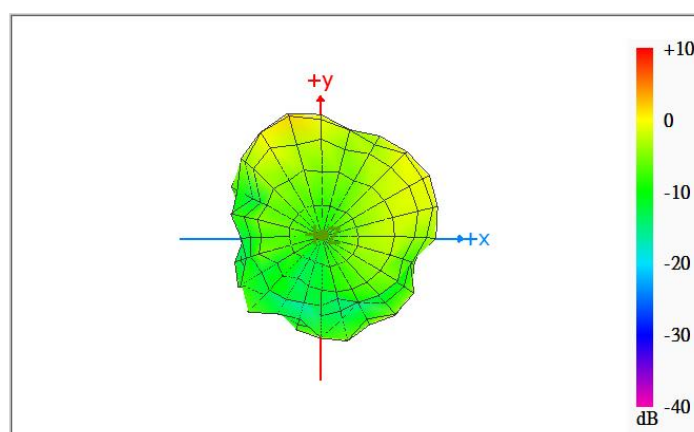
Aux antenna: 6425 MHz



Center Frequency	6425 MHz
Three-dimensional (dBi) peak	3.66

6425-6525MHz radiation characteristic

Aux antenna: 6425 MHz



Center Frequency	6425 MHz
Three-dimensional (dBi) peak	3.66

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

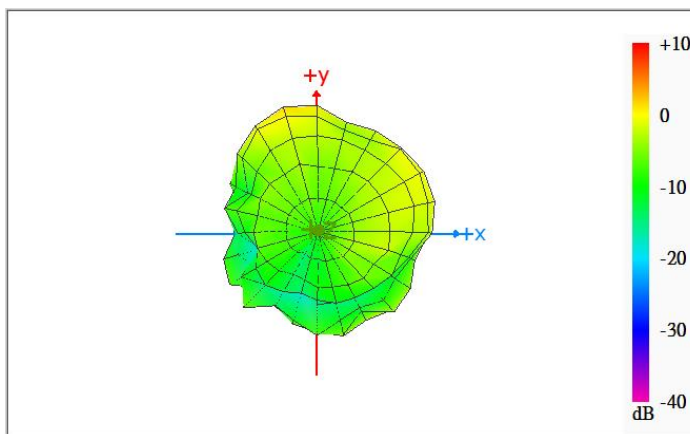
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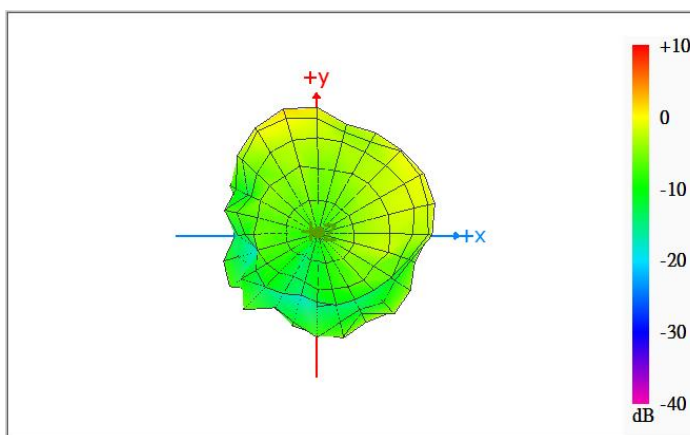
Aux antenna: 6525 MHz



Center Frequency	6525 MHz
Three-dimensional (dBi) peak	3.57

6525-6875MHz radiation characteristic

Aux antenna: 6525 MHz



Center Frequency	6525 MHz
Three-dimensional (dBi) peak	3.57

UNLESS OTHER SPECIFIED TOLERANCES ON :

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 ANGLES=± HOLEDIA=±



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DESIGNED BY:高楨棋

APPROVED BY:張建焜

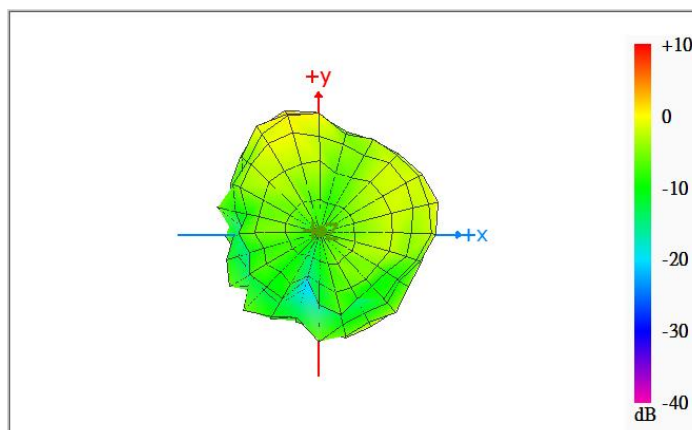
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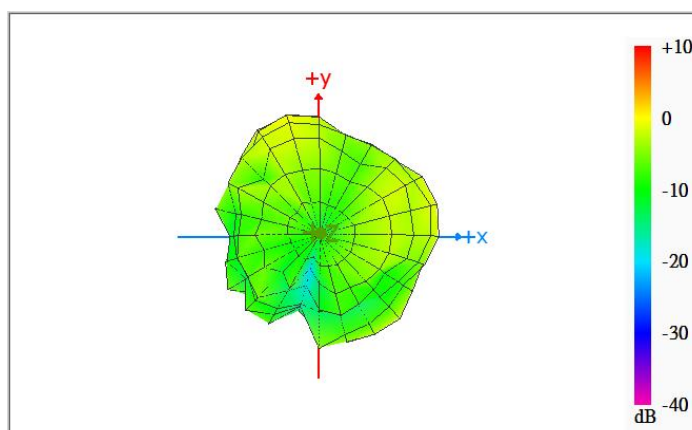
SPEC REV.
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Aux antenna: 6725 MHz



Center Frequency	6725 MHz
Three-dimensional (dBi) peak	2.99

Aux antenna: 6875 MHz

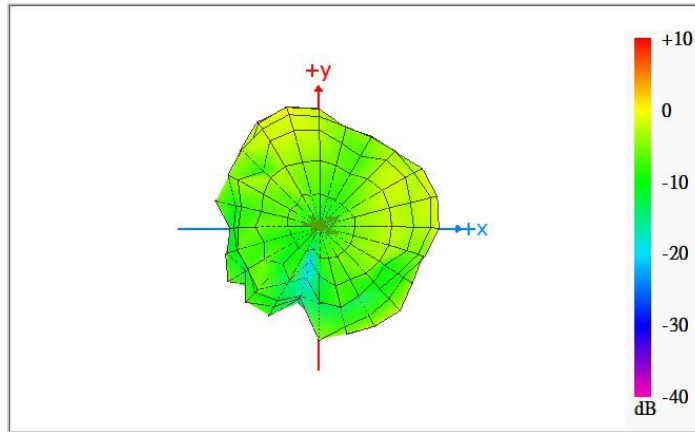


Center Frequency	6875 MHz
Three-dimensional (dBi) peak	2.05

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SCALE : N/A	UNIT : mm	
DRAWN BY:廖偉廷	CHECKED BY:鄭榮謀	
DESIGNED BY:高楨棋	APPROVED BY:張建焜	
TITLE : Embedded Multi-Band Antenna for WA-P-LE-01-045	DOCUMENT NO.	SPEC REV. P0

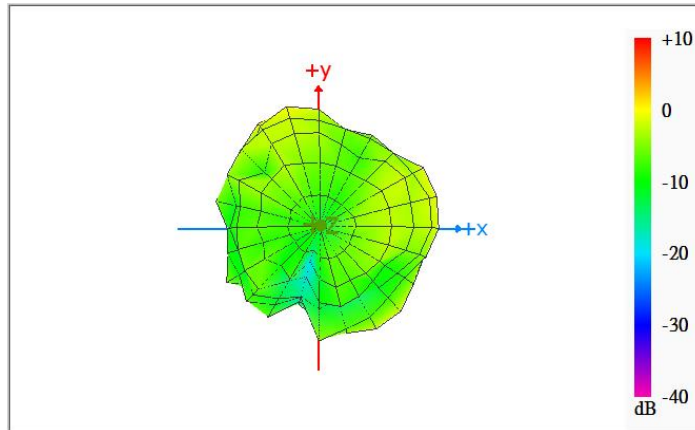
6875-7125MHz radiation characteristic

Aux antenna: 6875 MHz



Center Frequency	6875 MHz
Three-dimensional (dBi) peak	2.05

Aux antenna: 6925 MHz



Center Frequency	6925 MHz
Three-dimensional (dBi) peak	1.63

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY:廖偉廷

CHECKED BY:鄭榮謀

DESIGNED BY:高楨棋

APPROVED BY:張建焜

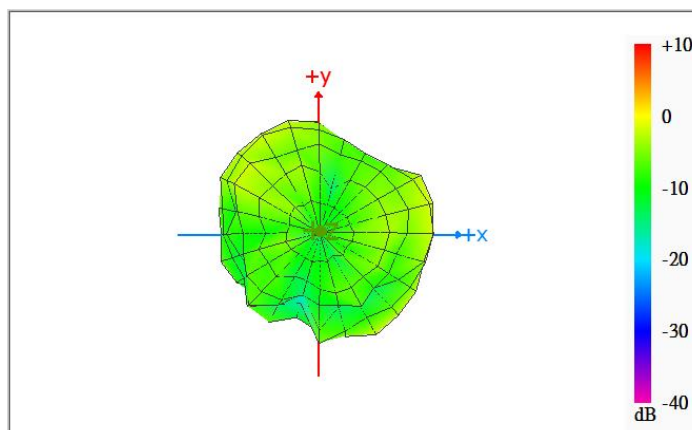
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Aux antenna: 7125 MHz

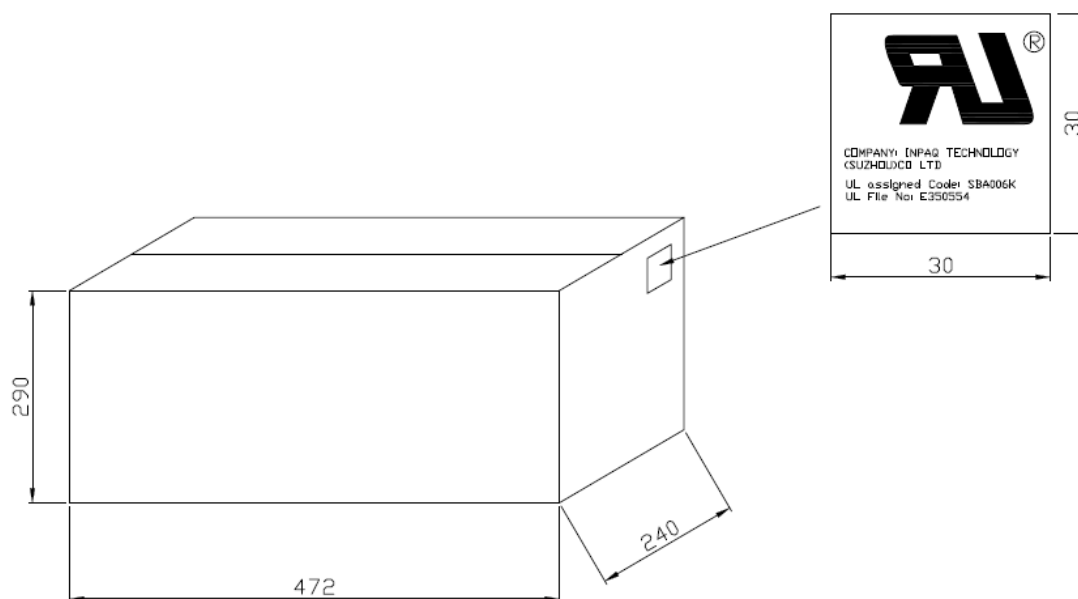


Center Frequency	7125 MHz
Three-dimensional (dBi) peak	2.04


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SCALE : N/A	UNIT : mm	
DRAWN BY:廖偉廷	CHECKED BY:鄭榮謀	
DESIGNED BY:高楨棋	APPROVED BY:張建焜	
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7. 外箱貼附 Cable 的 UL 標籤：

The appearance of cable UL label is according to drawing Figure 7-1-1



帶線材的產品出貨時皆需貼附此標籤

UNLESS OTHER SPECIFIED TOLERANCES ON : X=± X.X=± X.XX=± ANGLES=± HOLEDIA=±		 INPAQ TECHNOLOGY CO., LTD.
SCALE : N/A	UNIT : mm	
DRAWN BY: 廖偉廷	CHECKED BY: 鄭榮謀	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION
DESIGNED BY: 高楨棋	APPROVED BY: 張建焜	
TITLE : Embedded Multi-Band Antenna for WA-P-LE-01-045		DOCUMENT NO.
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