

客戶名稱 : LG 16U70Q
CUSTOMER

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承認書

APPROVAL SHEET

產品品名/Product Model
No. : WA-P-LE-02-080

客戶料號/Customer No. : EAA65978501

發行日期/ Issue Date : 2021/12/08

承認日期/ Approved Date :

Approved by customer: (signing or stamping here)



佳邦科技股份有限公司
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1. An anechoic chamber (8mx4mx3.5m) which satisfied far-field condition was applied to avoid multi-path effect
2. The quiet room region is 40cmx40cmx40cm at the center of rotator
3. The distance between DUT and standard antenna is 4.38 m
4. Probing antenna (9120D horn antenna) and standard gain horn antenna (BBHA9120 LPF 700MHz ~6GHz)

4-5.3 Efficiency and Gain

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

4-5-3-1 Electrical specification

Frequency (MHz)	Average Efficiency (%)
2400~2500	>30
5100~5825	>30
5925~7125	>30

4-5.3-2 Efficiency and Gain Test Data

Frequency(MHz)	Main Antenna-1		
	Peak Gain (dBi)	Efficiency (dBi)	Efficiency(%)
2400	2.6	-4.9	32.6
2450	2.7	-4.4	35.9
2500	3.4	-4.1	38.9
5150	5.6	-4.5	35.7
5400	5.7	-4.0	40.2
5850	5.8	-3.4	45.7
5925	5.6	-4.5	35.7
6525	5.2	-3.6	43.8
7125	5.1	-4.6	34.7

Frequency(MHz)	AUX Antenna-1		
	Peak Gain (dBi)	Efficiency (dBi)	Efficiency(%)
2400	2.7	-4.6	34.7
2450	2.2	-4.6	34.5
2500	1.5	-4.9	32.1
5150	5.3	-3.8	41.3
5400	5.4	-4.0	39.6
5850	5.2	-4.1	39.2
5925	4.6	-4.6	35.0
6525	5.0	-4.3	36.9
7125	4.6	-4.6	34.8

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±

ANGLES=± HOLEDIA=±



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SCALE : UNIT : mm

DRAWN BY: 王婷 CHECKED BY: 张涛

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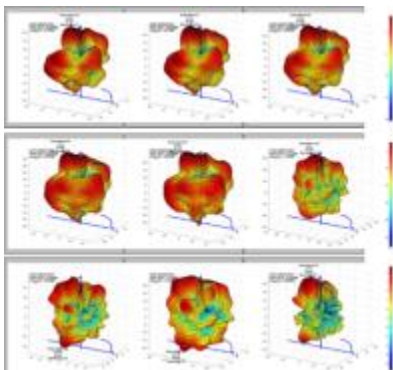
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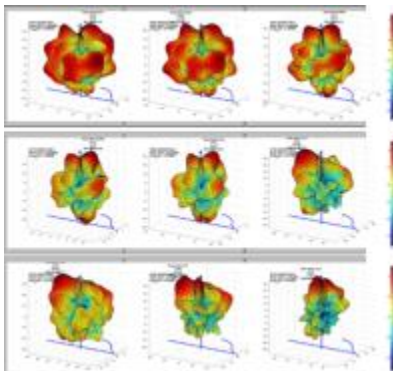
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4-5.3-3 Antenna 3D Radiation Pattern

Main Antenna-1



AUX Antenna-1



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