



Your Solutions Partner

JR7Q00242 Antenna Specification



Your Solutions Partner

Index

VSO Electronics Co., LTD
7F, No.880 Jhong-Jheng Road, Jhong
He Dist., New Taipei City 23586,
Taiwan TEL : 886-2-3234-3038
FAX : 886-2-3234-3056
Web Site : www.vso-corp.com

- 1. Antenna Photo / Page 3**
- 2. Electrical Characteristics / Page 4**
- 3. Antenna - S Parameter Test Data / Page 5**
- 4. Antenna - Radiation Pattern Test Data / Page 6. Page 7**
- 5. Mechanical Drawing / Page 8**

Date:2023.01.03



Your Solutions Partner

Antenna Photo

VSO Electronics Co., LTD
7F, No.880 Jhong-Jheng Road, Jhong
He Dist., New Taipei City 23586,
Taiwan TEL : 886-2-3234-3038
FAX : 886-2-3234-3056
Web Site : www.vso-corp.com



Date:2023.01.03



Your Solutions Partner

Electrical Characteristics

VSO Electronics Co., LTD
7F, No.880 Jhong-Jheng Road, Jhong
He Dist., New Taipei City 23586,
Taiwan TEL : 886-2-3234-3038
FAX : 886-2-3234-3056
Web Site : www.vso-corp.com

Frequency	2400 ~ 2500 MHz 5150 ~ 5850 MHz
Return loss	>= -7dbm @ 2400 ~ 2500 MHz >= -10 dbm@ 5150 ~ 5850 MHz
Peak Gain	3.0 dBi @ 2400 ~ 2500 MHz 3.0 dBi @ 5150 ~ 5850 MHz
Antenna Type	PIFA
Impedance	50 Ohm
Polarization	Linear
Cable Type	RF-1.13mm
Connector Type	I-PEX
PCB Type	FR4

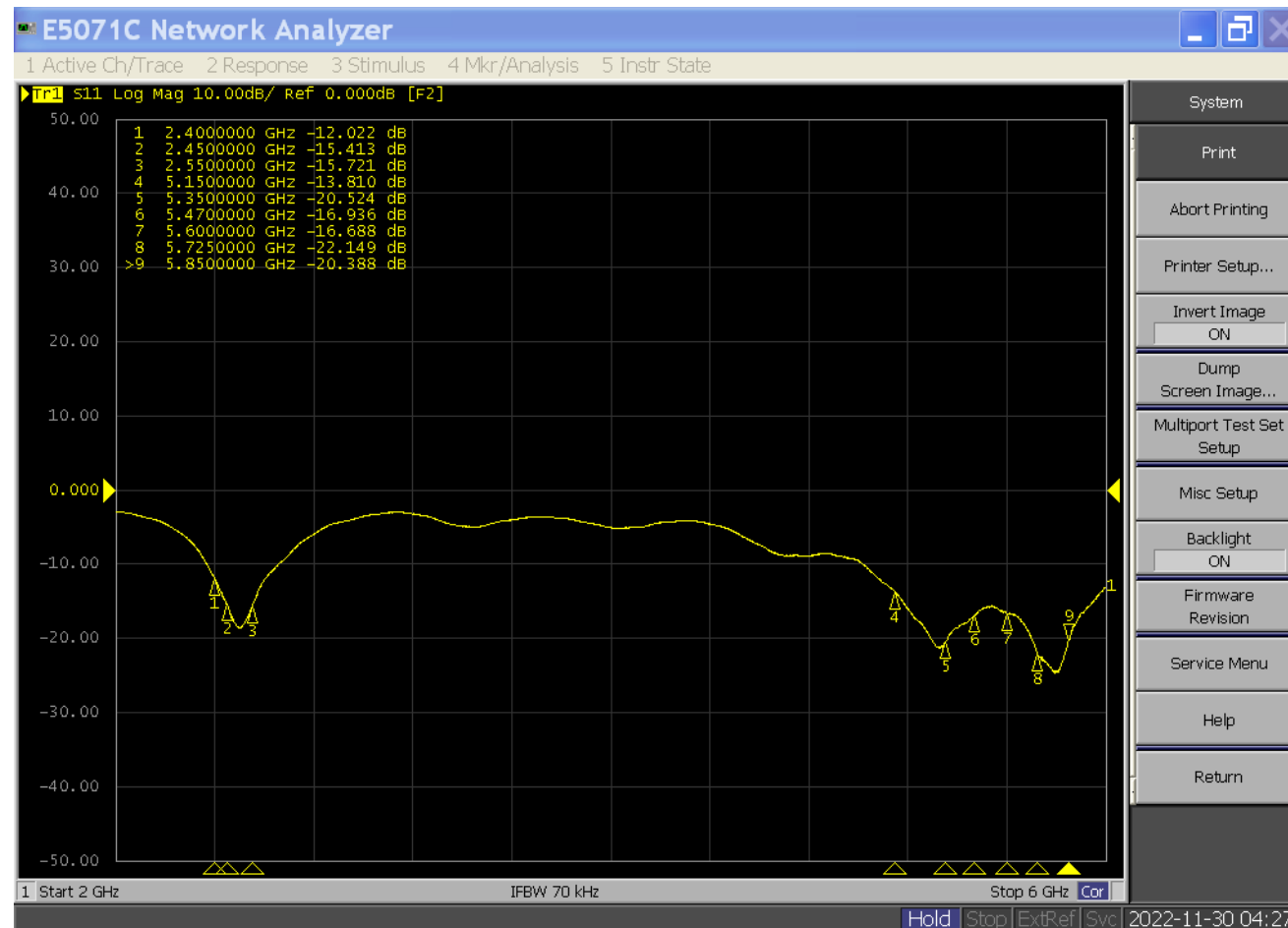
Date:2023.01.03



Your Solutions Partner

Antenna - S Parameter Test Data

VSO Electronics Co., LTD
7F, No.880 Jhong-Jheng Road, Jhong
He Dist., New Taipei City 23586,
Taiwan TEL : 886-2-3234-3038
FAX : 886-2-3234-3056
Web Site : www.vso-corp.com



Date:2023.01.03

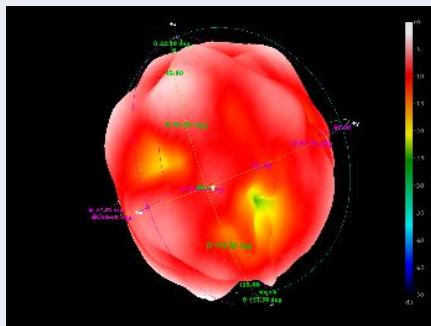


Your Solutions Partner

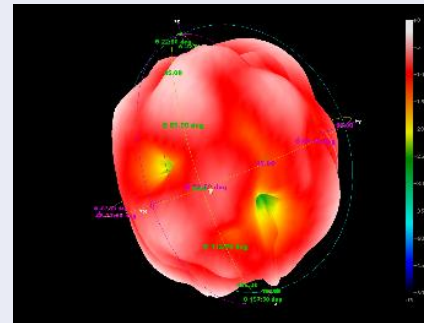
Electrical Characteristics

VSO Electronics Co., LTD
7F, No.880 Jhong-Jheng Road, Jhong
He Dist., New Taipei City 23586,
Taiwan TEL : 886-2-3234-3038
FAX : 886-2-3234-3056
Web Site : www.vso-corp.com

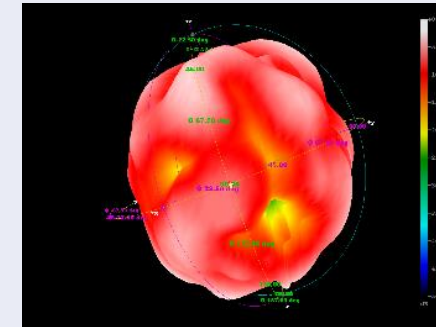
2400 MHz



2450 MHz



2500 MHz



Frequency (MHz)	2400	2450	2500
Peak Gain (dBi)	1.5	1.4	1.6
Efficiency (%)	64	62	69

Date:2023.01.03

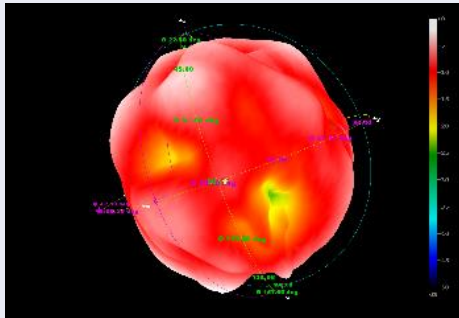


Your Solutions Partner

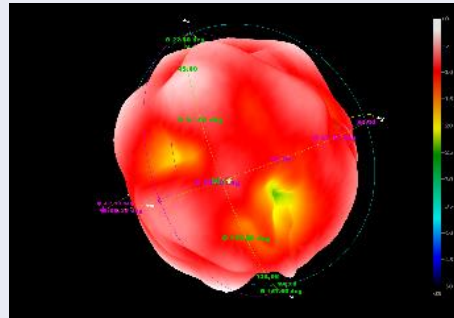
Electrical Characteristics

VSO Electronics Co., LTD
7F, No.880 Jhong-Jheng Road, Jhong
He Dist., New Taipei City 23586,
Taiwan TEL : 886-2-3234-3038
FAX : 886-2-3234-3056
Web Site : www.vso-corp.com

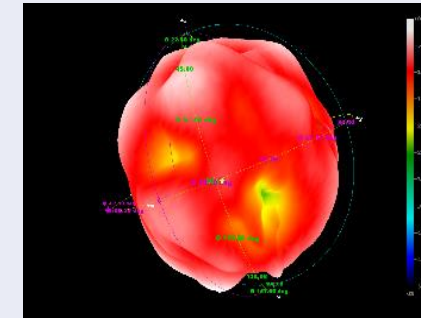
5150 MHz



5470 MHz



55850 MHz



Frequency (MHz)	5150	5250	5350	5470	5600	5725	5785	5850
Peak Gain (dBi)	1.4	0.7	1.3	2.4	2.9	2.6	2.6	2.4
Efficiency (%)	64	58	60	65	66	65	69	69

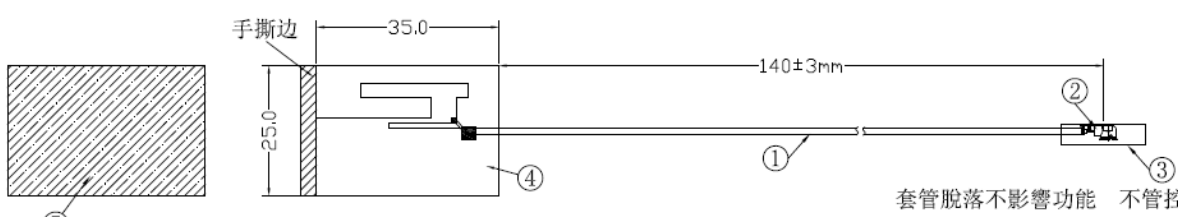
Date:2023.01.03



Your Solutions Partner

Mechanical Drawing

VSO Electronics Co., LTD
7F, No.880 Jhong-Jheng Road, Jhong
He Dist., New Taipei City 23586,
Taiwan TEL : 886-2-3234-3038
FAX : 886-2-3234-3056
Web Site : www.vso-corp.com

DRAW ID	4	3	2	1																																									
CD																																													
THIS DRAWING IS CONTROLLED DOCUMENT FOR VSO LTD IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION	THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN VSO LTD PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM VSO LTD	<table border="1"><thead><tr><th colspan="5">REVISION</th></tr><tr><th>REV.</th><th>DESCRIPTION</th><th>ECN NO.</th><th>DATE</th><th>Requirement Person</th></tr></thead><tbody><tr><td>A</td><td>NEW CREATION(00000A)</td><td></td><td>22.10.19</td><td>Guimei</td></tr><tr><td>B</td><td>按客户要求改支撑胶厚度</td><td></td><td>23.02.09</td><td>Guimei</td></tr></tbody></table>			REVISION					REV.	DESCRIPTION	ECN NO.	DATE	Requirement Person	A	NEW CREATION(00000A)		22.10.19	Guimei	B	按客户要求改支撑胶厚度		23.02.09	Guimei																					
		REVISION																																											
REV.	DESCRIPTION	ECN NO.	DATE	Requirement Person																																									
A	NEW CREATION(00000A)		22.10.19	Guimei																																									
B	按客户要求改支撑胶厚度		23.02.09	Guimei																																									
 ⑤ ④ ① ② ③ 手撕边 35.0 25.0 140±3mm 套管脫落不影響功能 不管控																																													
Specification: Frequency Range: 2.4~2.5GHz 5.15~5.85GHz Impedance: 50Ω UL 標籤 代表"UL 標籤流水號" 代表"數量" NOTE: 外箱上需貼FORM 1-N之UL 標籤 WIRING HARNESS ISSUE NO. XXXXXX FORM 1-N PRINTED IN U.S.A. XXXPCS DCC ISSUED: ENG:																																													
<table border="1"><thead><tr><th>ITEM</th><th>DESCRIPTION</th><th>Q'TY</th><th>Note</th></tr></thead><tbody><tr><td>⑤</td><td>SPONGE</td><td>支撑胶L35*W25mm*H0.5mm 帶手撕边</td><td>1PCS</td></tr><tr><td>④</td><td>PCB</td><td>L35*W25mm, 厚度0.8mm 黑色 (GPB1317)</td><td>1PCS</td></tr><tr><td>③</td><td>TUBE</td><td>∅3.1*W0.3*W20mm, 透明</td><td>1PCS</td></tr><tr><td>②</td><td>CONNECTOR</td><td>MHF 1-PEX 一代 for 1.13 cable</td><td>1PCS</td></tr><tr><td>①</td><td>CABLE</td><td>∅1.13mm low loss CABLE, BLACK</td><td>1PCS</td></tr></tbody></table> <table border="1"><thead><tr><th>RANGE</th><th>TOLERANCES</th></tr></thead><tbody><tr><td>.X</td><td>±0.5</td></tr><tr><td>.XX</td><td>±0.3</td></tr><tr><td>.XXX</td><td>±0.1</td></tr><tr><td>X.</td><td>±1</td></tr><tr><td>XX.</td><td>±3</td></tr><tr><td>XXX.</td><td>±10</td></tr><tr><td>°</td><td>°</td></tr><tr><td>∅</td><td>∅</td></tr></tbody></table> RoHS COMPLIANT VSO ELECTRONICS CO., LTD. CUST. P/N: 弘真 (2905-002300G00) TITLE: VS20R-ANT1 VSO P/N: N-821-103-01215635 UNITS mm DWG. NO.: JR7Q00242 REV. B APPR.: caidewen				ITEM	DESCRIPTION	Q'TY	Note	⑤	SPONGE	支撑胶L35*W25mm*H0.5mm 帶手撕边	1PCS	④	PCB	L35*W25mm, 厚度0.8mm 黑色 (GPB1317)	1PCS	③	TUBE	∅3.1*W0.3*W20mm, 透明	1PCS	②	CONNECTOR	MHF 1-PEX 一代 for 1.13 cable	1PCS	①	CABLE	∅1.13mm low loss CABLE, BLACK	1PCS	RANGE	TOLERANCES	.X	±0.5	.XX	±0.3	.XXX	±0.1	X.	±1	XX.	±3	XXX.	±10	°	°	∅	∅
ITEM	DESCRIPTION	Q'TY	Note																																										
⑤	SPONGE	支撑胶L35*W25mm*H0.5mm 帶手撕边	1PCS																																										
④	PCB	L35*W25mm, 厚度0.8mm 黑色 (GPB1317)	1PCS																																										
③	TUBE	∅3.1*W0.3*W20mm, 透明	1PCS																																										
②	CONNECTOR	MHF 1-PEX 一代 for 1.13 cable	1PCS																																										
①	CABLE	∅1.13mm low loss CABLE, BLACK	1PCS																																										
RANGE	TOLERANCES																																												
.X	±0.5																																												
.XX	±0.3																																												
.XXX	±0.1																																												
X.	±1																																												
XX.	±3																																												
XXX.	±10																																												
°	°																																												
∅	∅																																												

表单编号: VSO-QP-07-F11-A

Date: 2023.01.03

Innovation · Technology · Service