

KINGRF-GNSS/LTE-F2-SA-01 ANTENNA SPEC

1.Application:

Navigation/positioning of cars/ships/measurement systems, and applications such as communications.

2.Specification :

No.	KINGRF-GNSS/LTE-F2-SA-01	Model	KINGRF-GNSS/LTE-F2-SA-01
Item			
Frequency range (MHZ)	GNSS: 1575.42±1.023MHZ @GPS 1561.098±2.046MHZ @BD LTE 1: 824~960/1710~2690MHZ	Frequency (MHZ)	GNSS: 1575.42±1.023MHZ @GPS 1561.098±2.046MHZ @BD LTE 1: 824~960/1710~2690MHZ
Polarization	GNSS: 右旋极化 LTE: 线性极化	Polarization Type	GNSS: RHCP LTE: LP
Axial ratio	GNSS ≤4 GSM: NA	Axial Ratio	GNSS≤4 GSM: NA
Gain (dB)	GNSS ACTIVE : 28±3 LTE ANERAGE : -2	Gain (dBi)	GNSS ACTIVE : 28±3 LTE ANERAGE : -2
Noise Figure (dB)	GNSS: ≤1.5 GSM: NA	Nose figure (dB)	GNSS: ≤1.5 GSM: NA
V.S.W.R	GNSS :≤2 LTE: ≤3.5	VSWR	GNSS :≤2 LTE: ≤3.5
Input resistance (Ω)	50	Input Impedance	50

UNLESS OTHER SPECIFIED TOLERANCES ON :
 $X = \pm$ $X.X = \pm$ $X.XX = \pm$
ANGLES = ± **HOLEDIA** = ±



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SCALE : **UNIT : mm**
 DRAWN BY : 趙彥 CHECKED BY:楊奇
 DESIGNED BY:夏鴻凌 APPROVED BY: 蘇秦

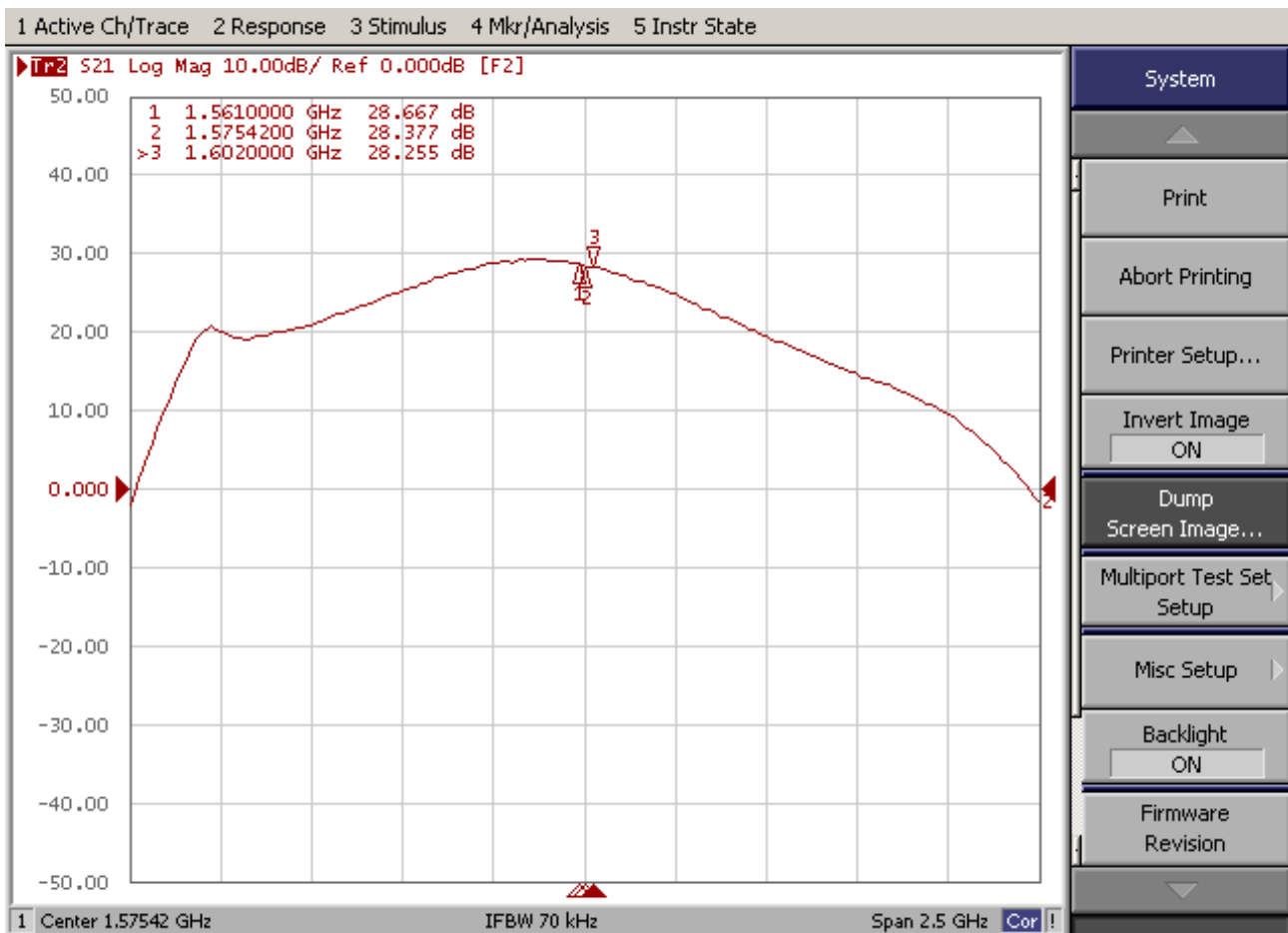
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KINGRF-GNSS/LTE-F2-SA-01 ANTENNA SPEC	DOCUMENT	SPEC REV.
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Cable length (mm)	1500/RG174	Cable length	1500/RG174
Connector	GNSS: FAKRA-C LTE 1: FAKRA-D	Connector Type	GNSS: FAKRA-C LTE 1: FAKRA-D
Working Temperature (°C)	-40~+85	Operation temperature (°C)	-40~+85
Storage Temperature (°C)	-40~+85	Store temperature	-40~+85

3. Test Chart

GNSS Gain Chart:



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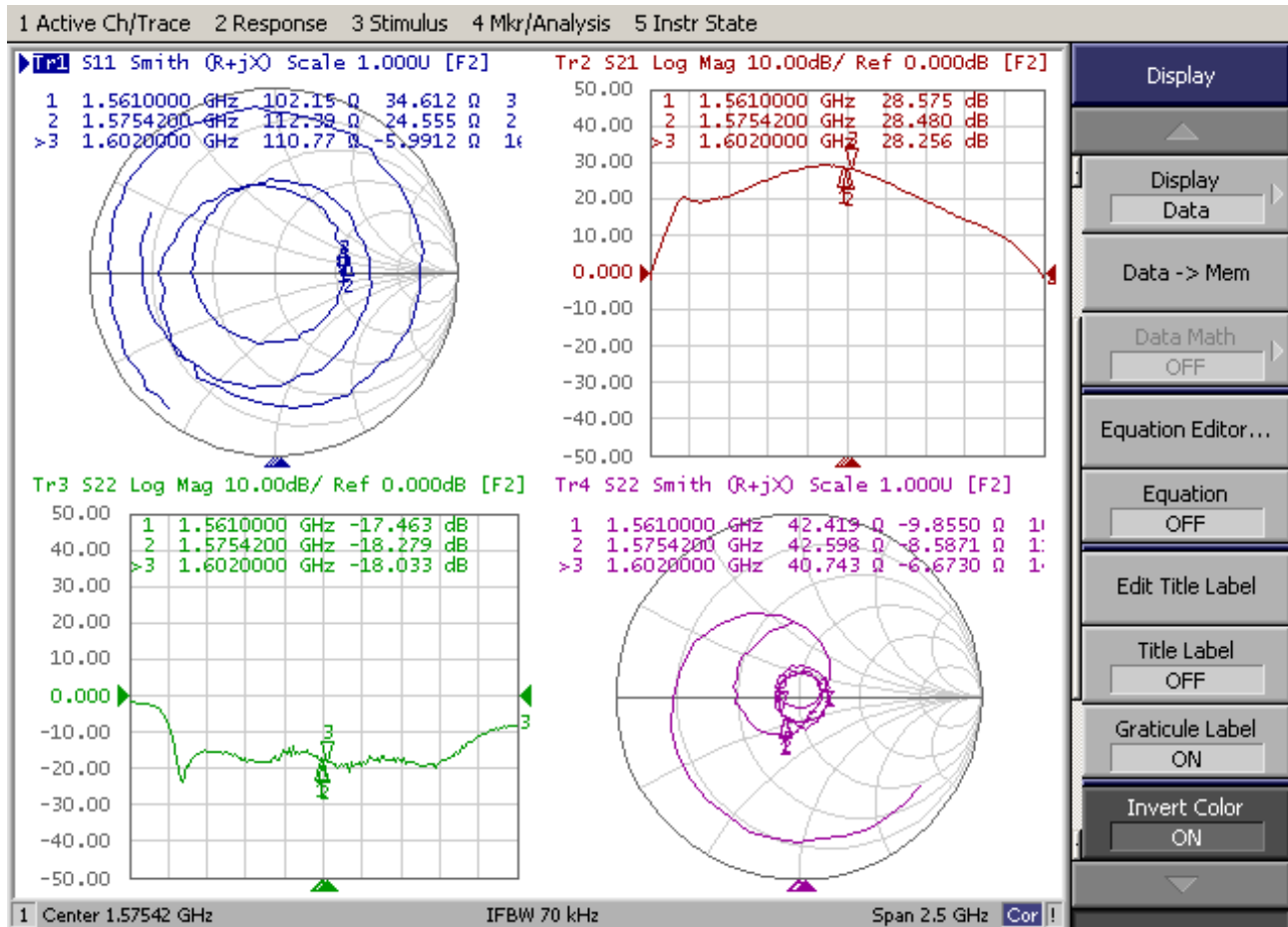
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DOCUMENT NO.

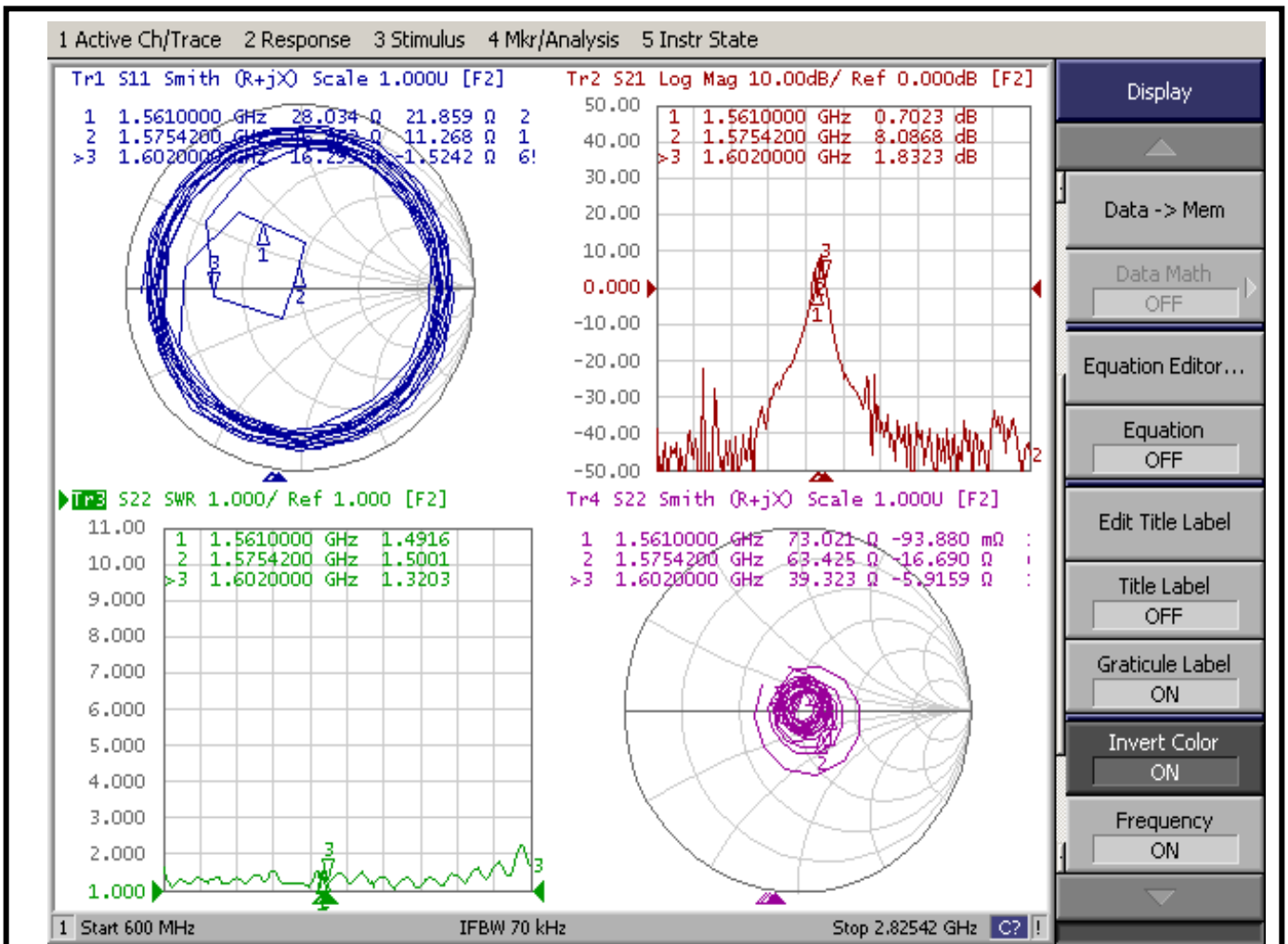
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P1

S chart (all)




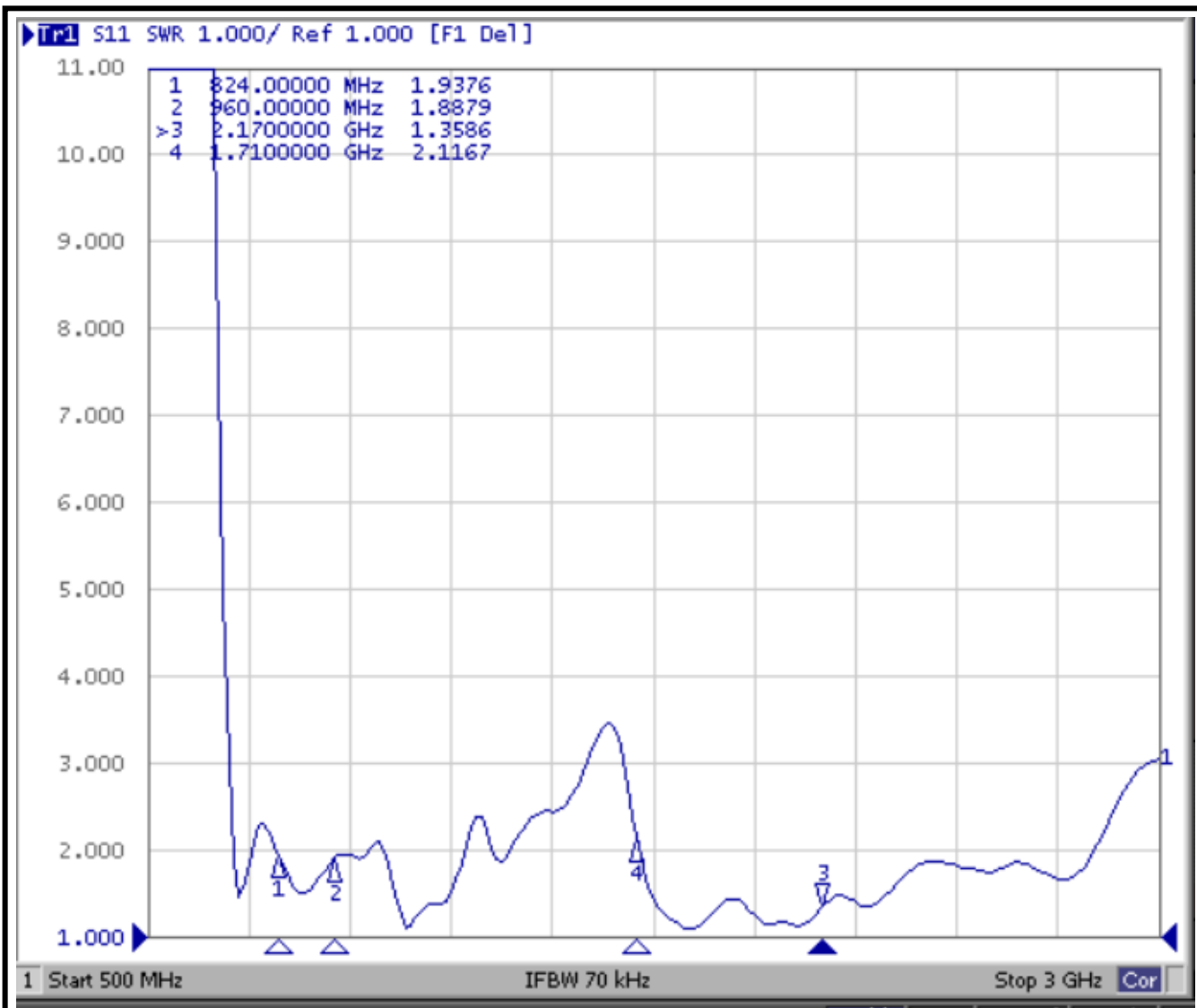
Finished product 30cm gain versus diagram & standing wave diagram

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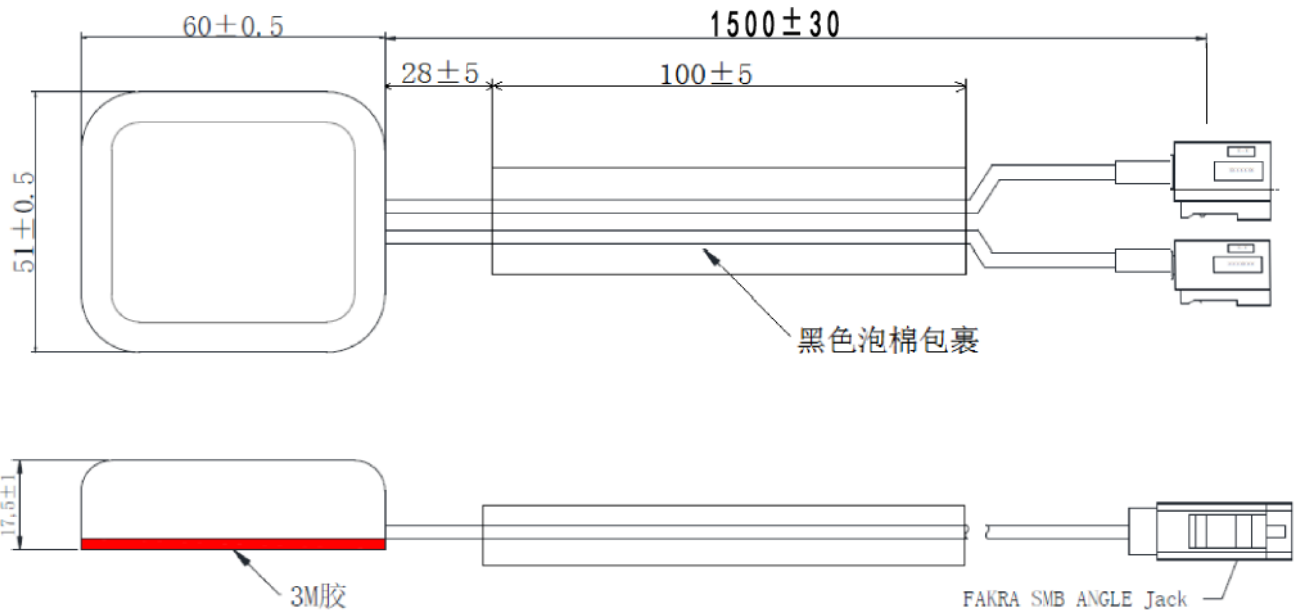
LTE V.S.W.R Chart :

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4. Antenna dimension chart


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Connector:

Name	model	function	pcs
FAKRA connector	FAKRA D (Red wine) 	Match 3/4G main antenna (3G), Transmission 3/4G signal	1set
FAKRA connector	FAKRA C (blue) 	Match GPS/BD antenna , Transmission GPS/BD signal	1set

5.Packing specification:

UNLESS OTHER SPECIFIED TOLERANCES ON : X=± X.X=± X.XX=± ANGLES=± HOLEDIA=±		 Shenzhen KingRF Technology Co.,Ltd	
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Product No. :

Product model :

Label requirement :

Customer			
Supplier			
PO No.			
Material code			
Product model			
Quantity/pcs	XXX PCS	Date	X X X
备注			

Packing requirement :

1. inner packaging:

XXpcs/each bag, put in small PE bag ;

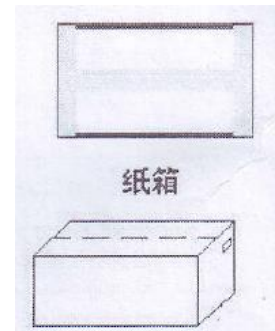
2. Outer packaging :

XxPCS /each box ;

3. Precautions:

a. Whether to add partitions, pearl cotton;

b. Label attachment, such as ROHS, etc.;



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