



Jinchang Electron Global Service

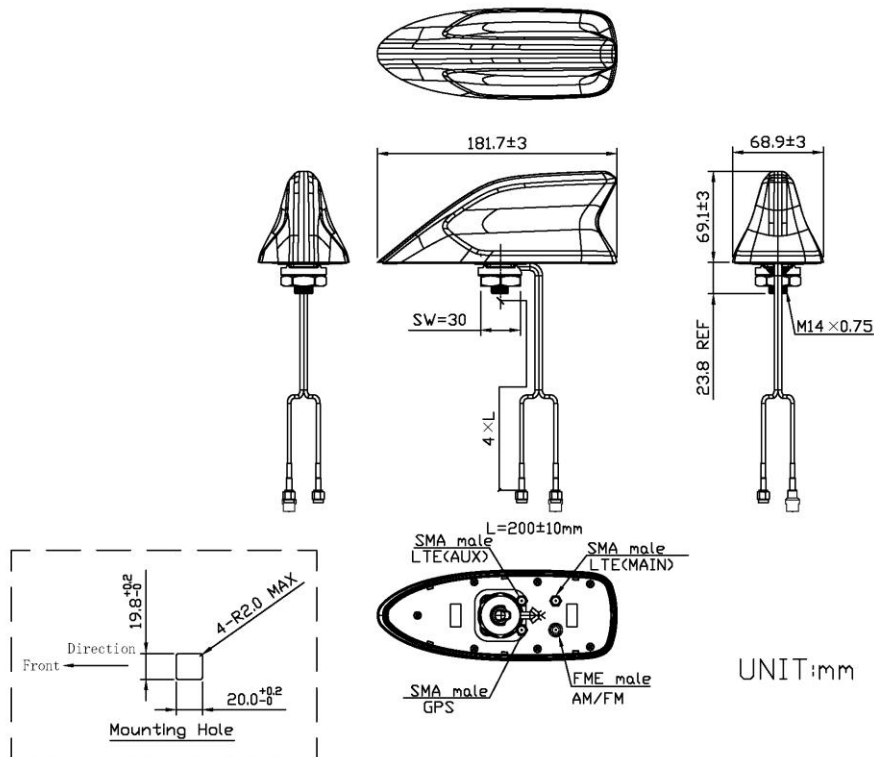
GNSS+LTE MIMO+FM/AM Combination Antenna

Automotive Grade

JCM072GNSS



DIMENSIONS



UNIT:mm

JIAXING JINCHANG ELECTRONIC TECHNOLOGY CO.,LTD

Add: 398#,Zhenye Road, South Street, Jiaxing, Zhejiang, China

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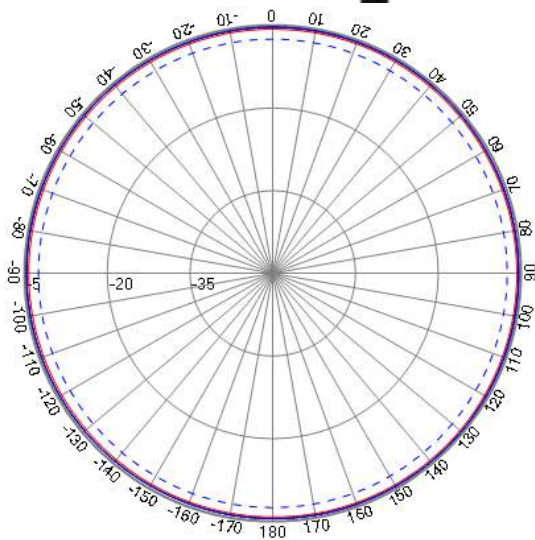
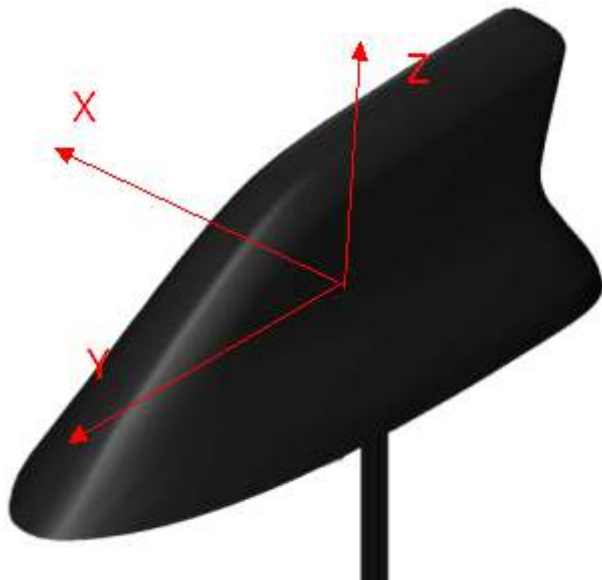
SPECIFICATIONS

Item		Specifications	
GNSS Antenna	Dielectric Antenna	Center Frequency	1561~1602MHz
		Polarization	RHCP
		Gain	2dBic (Zenith)
		V.S.W.R	<1.5
		Impedance	50Ω
	LNA	Gain	28±2dB
		Noise Figure	<2.0dB
		V.S.W.R	<2.0
		Supply Voltage	3~5V DC
		Current Consumption	5~15mA
LTE Antenna MAIN		Frequency Range	698~960/MHz/1710~2690MHz
		V.S.W.R	<3.0
		Polarization	Linear
		Gain	3.5dBi (Zenith)
		Impedance	50Ω
LTE Antenna AUX		Frequency Range	698~960/MHz/1710~2690MHz
		V.S.W.R	<3.0
		Polarization	Linear
		Gain	3.0dBi (Zenith)
		Impedance	50Ω
FM/AM Antenna		Frequency Range	520~1629KHz/76~108MHz
		V.S.W.R	<2.5
		Polarization	Linear
		Gain	FM:16±3dB; AM:5±3dB
		Impedance	50Ω
		Supply Voltage	9~16V DC
Mechanical		Cable	RG174/3M
		Connector	SMA Male+FME Male
		Mounting Method	Screw

Environmental	Operating Temperature	-40°C ~+85°C
	Relative Humidity	Up to 95%
	Ingress Protection	IP67(exclude cable outlet)
	Vibration	10 to 1000Hz G=28.7m/s ²
	Environmentally Friendly	ROHS Compliant
	Package	12pcs in 49.5*22*27cm carton,7kgs

Radiation Pattern

GNSS Antenna



XY-PLANE

Freq: 1602

Freq: 1561

Freq: 1575

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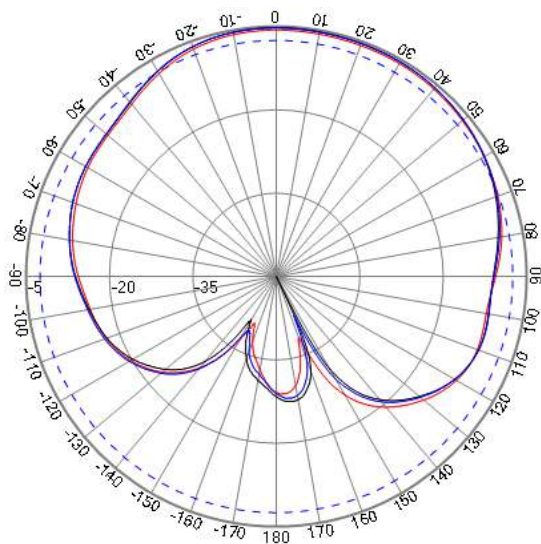
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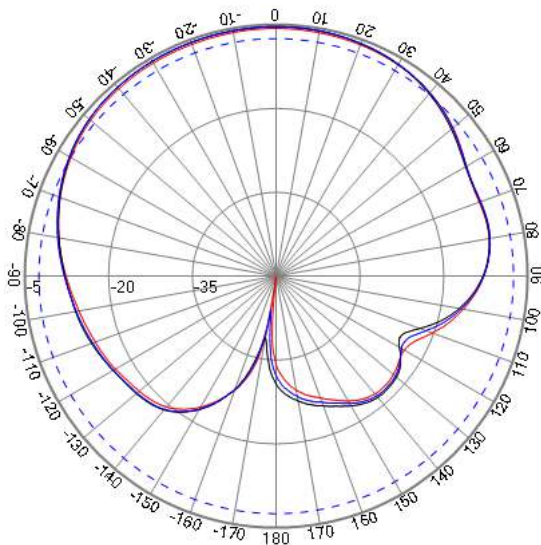


XZ-PLANE

Freq: 1602

Freq: 1561

Freq: 1575



YZ-PLANE

Freq: 1602

Freq: 1561

Freq: 1575

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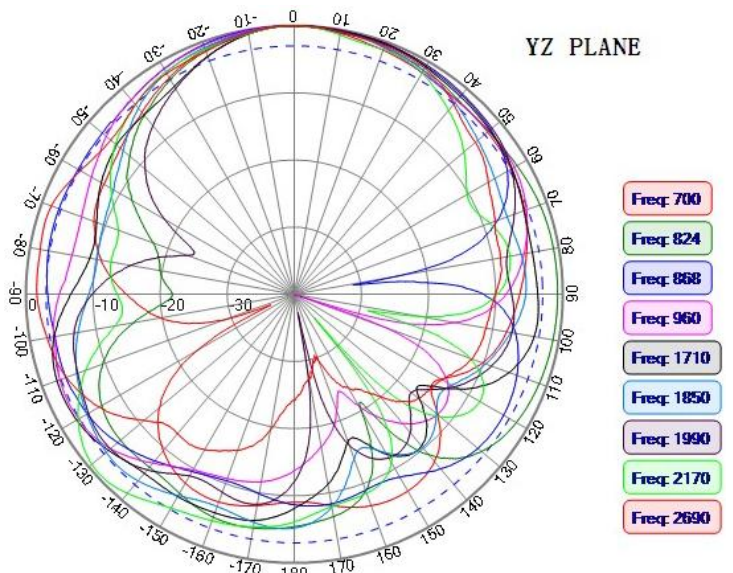
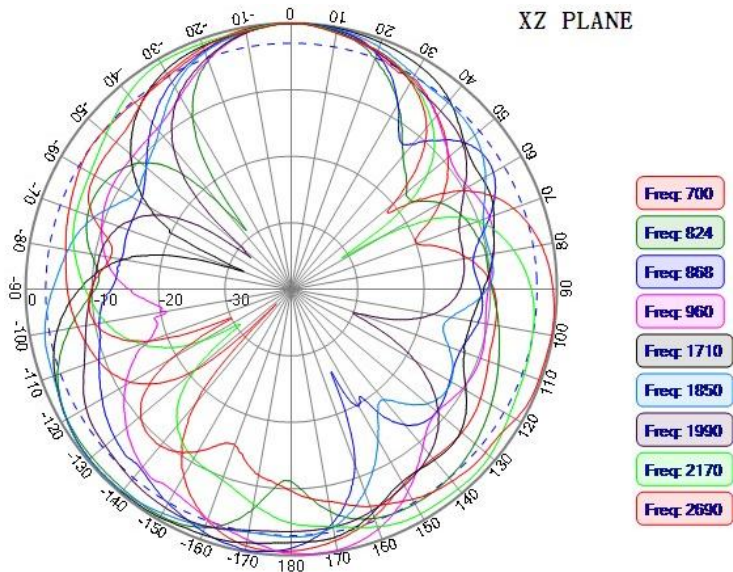
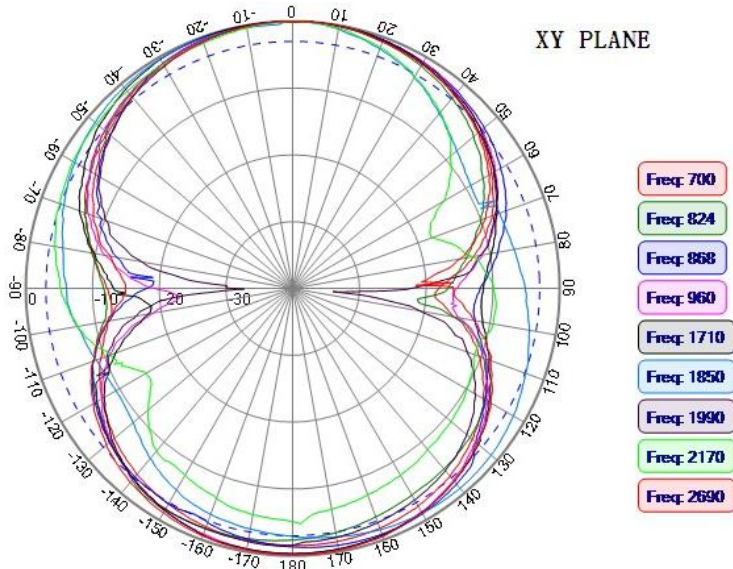
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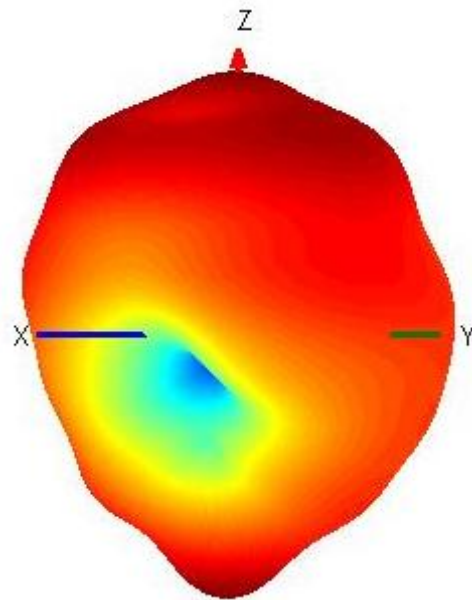
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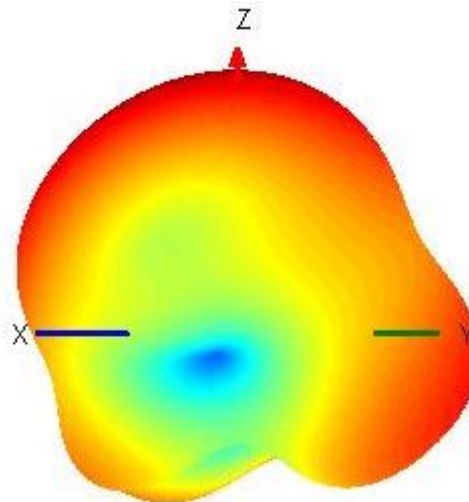
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LTE Antenna

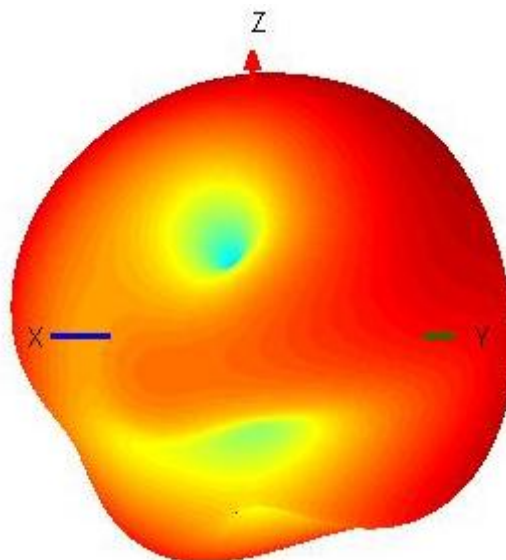




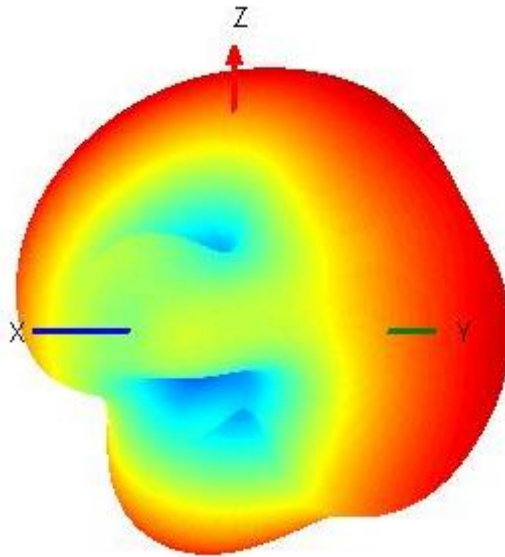
LTE 698MHZ



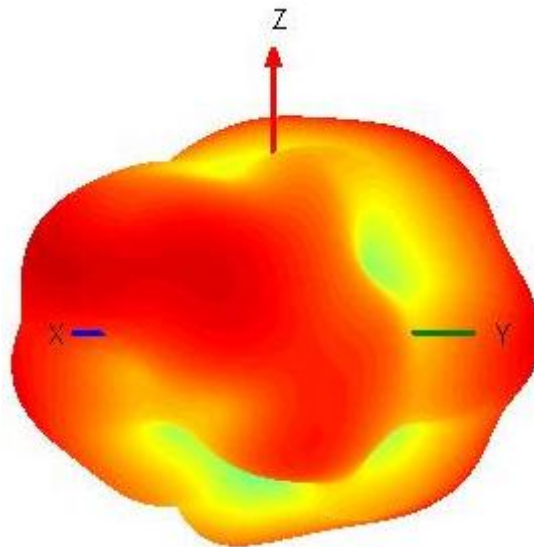
LTE 824MHZ



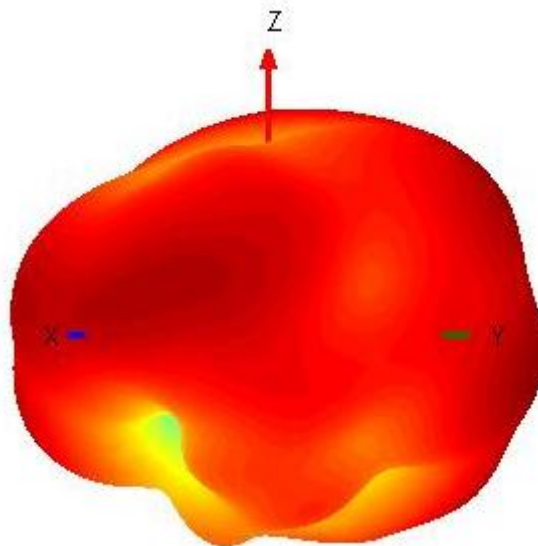
LTE 868MHZ



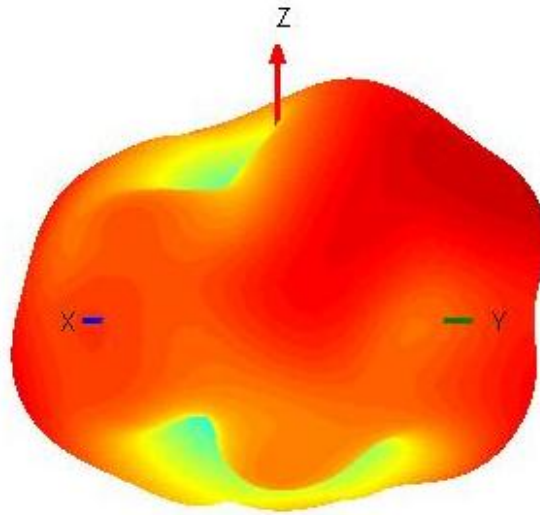
LTE 960MHZ



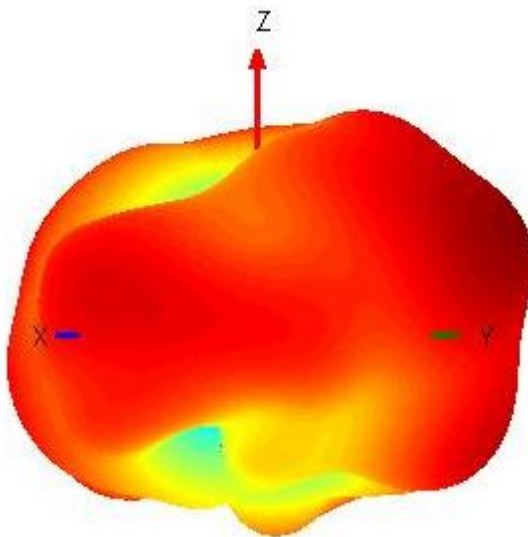
LTE 1710MHZ



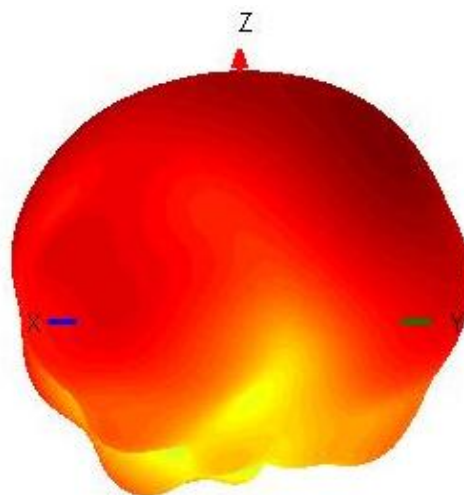
LTE 1850MHZ



LTE 1990MHZ



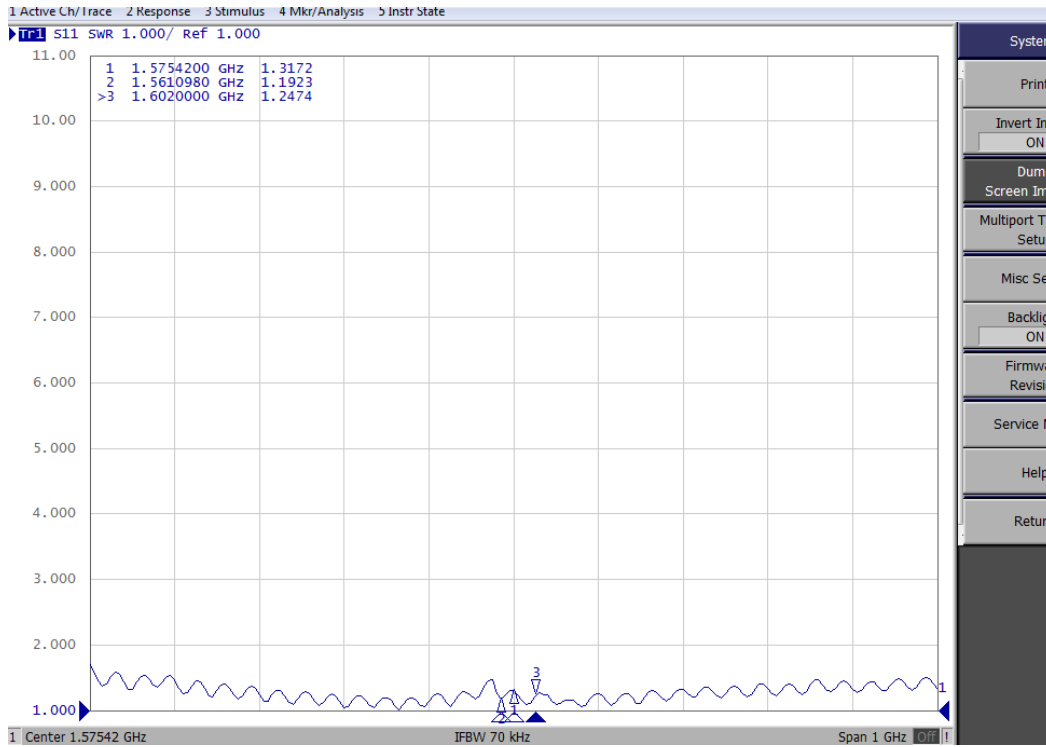
LTE 2170MHZ



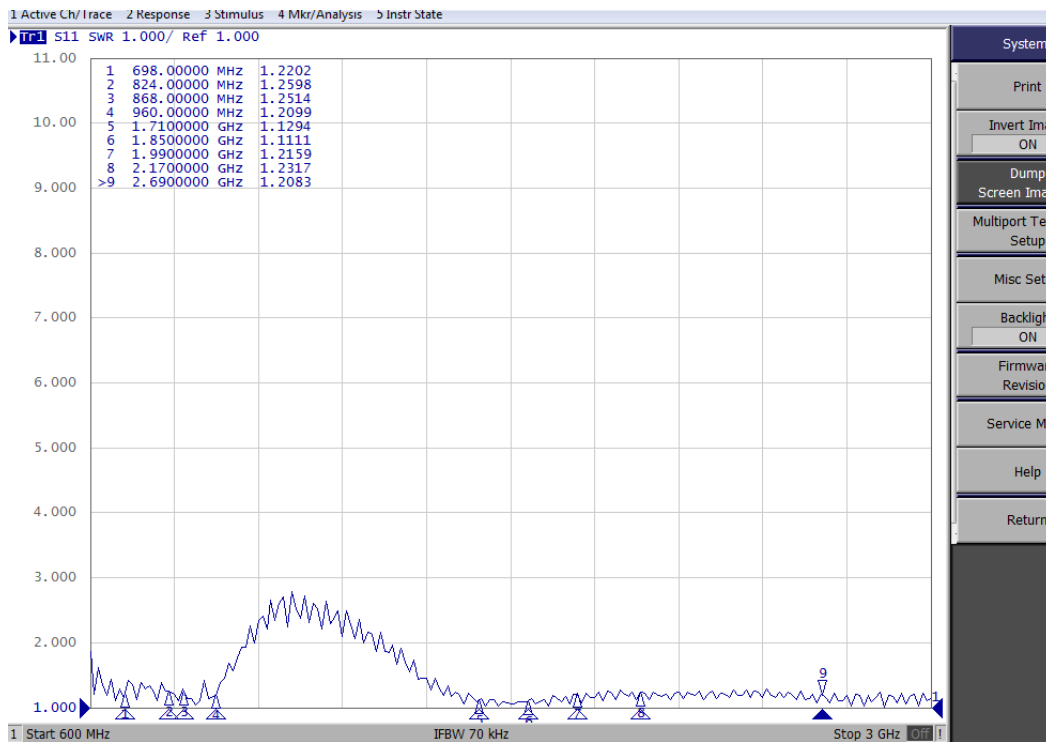
LTE 2690MHZ

VSWR

GNSS



LTE



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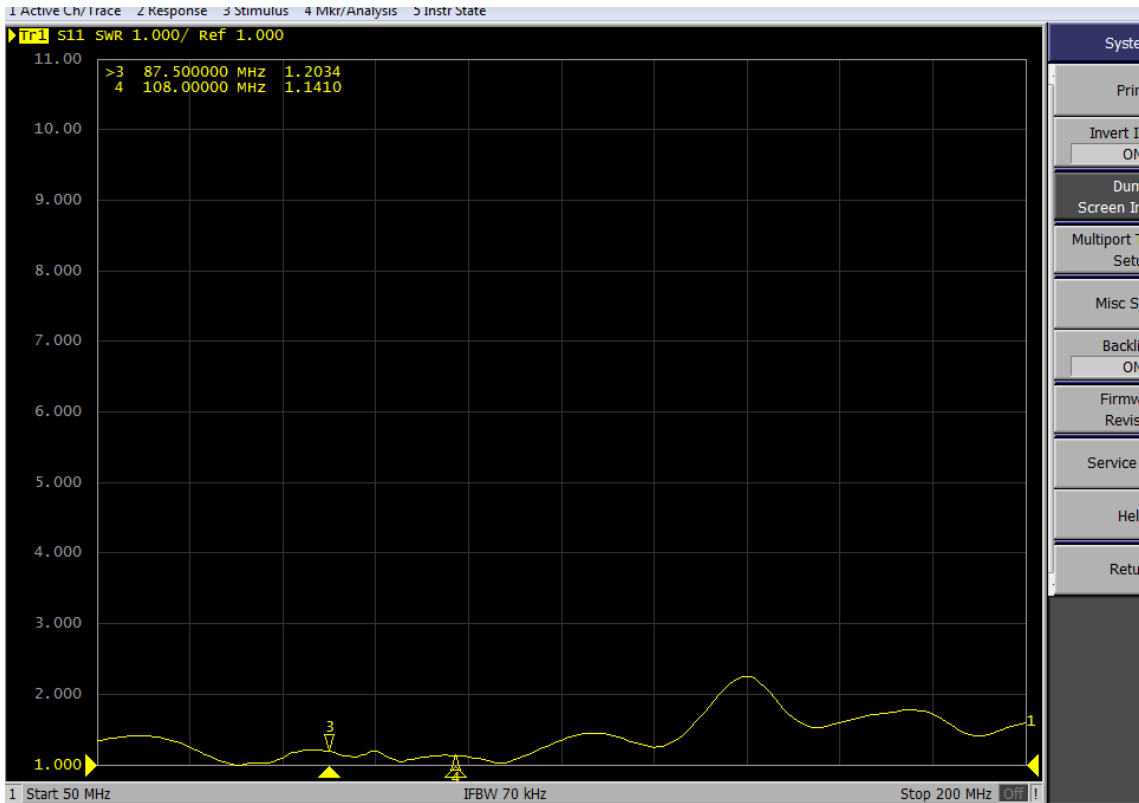
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FM



Gain&Efficiency

JCM072GNSS		
Frequency (MHz)	Efficiency	Gain (dBi)
698	0.68	3.47
824	0.59	2.29
868	0.57	1.92
960	0.56	2.2
1710	0.57	1.23
1850	0.54	0.65
1990	0.56	0.57
2170	0.59	1.91
2690	0.58	0.88

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