

Product specifications acknowledgment

Recognized manufacturers: _____

Manufacturer: ShenZhen GuYang Commuication Technology Co.,Ltd.

Description: LTE Communications antenna

Product Type: GY-BCL-BAL2-AJ

Supplier acknowledge signature bar		
Lister	Reviewers	Approved

That customers signature bar	
Reviewers	Approved

一、 Finished product figure



三、 Product parameters

Frequency Range (MHz)	690~960 1710~2690	The antenna casing size (mm)	23×117.5	Connector Type	SMA-J1.5
Gain (dBi)	≧3	RF Cable	RG174 line Φ2.8±0.1mm,black	Radome Material	ABS
VSWR	≤3	Line L Length (mm)	2000±20	Radome Color	black
Impedence (ohm)	50 ohm	Working Temp (℃)	-30~+70	Mounting	3M
Polarization	Linear	Limit Temperature (℃)	-20~+60	Humidity	Humidity25%~ 95%RH

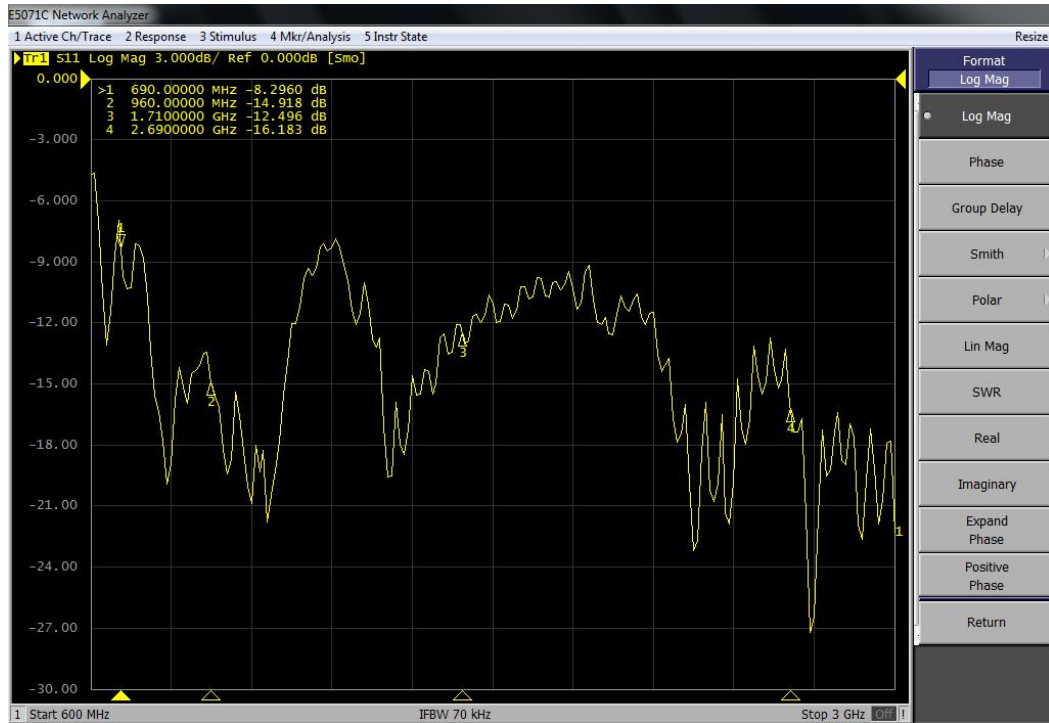
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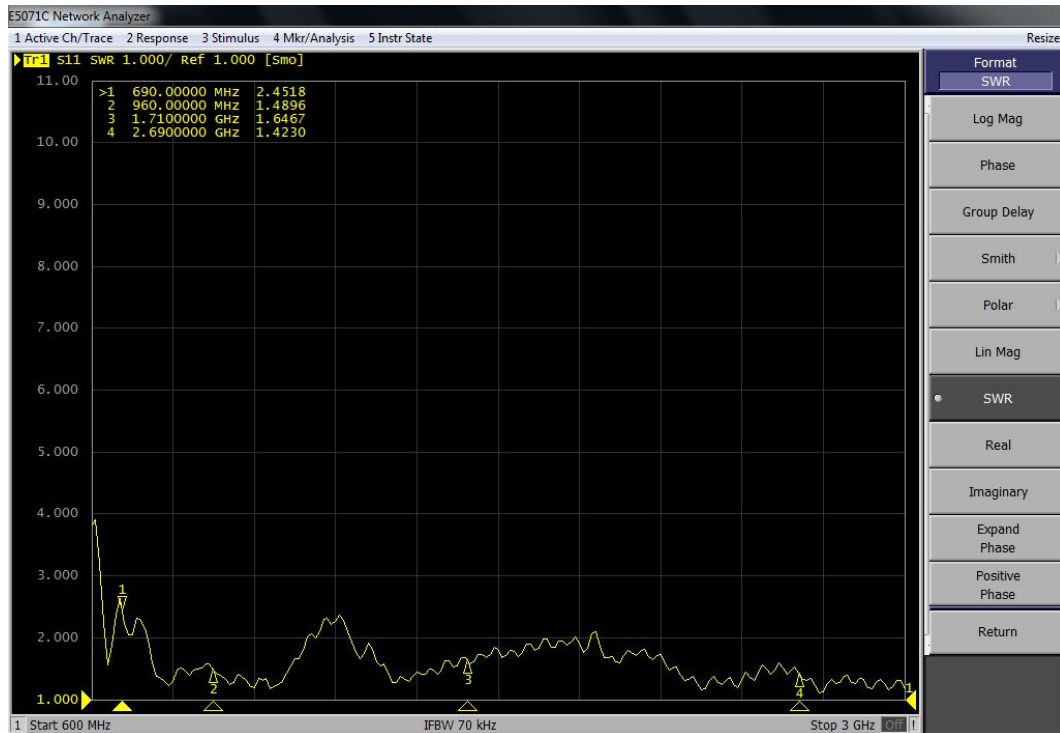
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四、Return loss



五、Voltage standing wave ratio



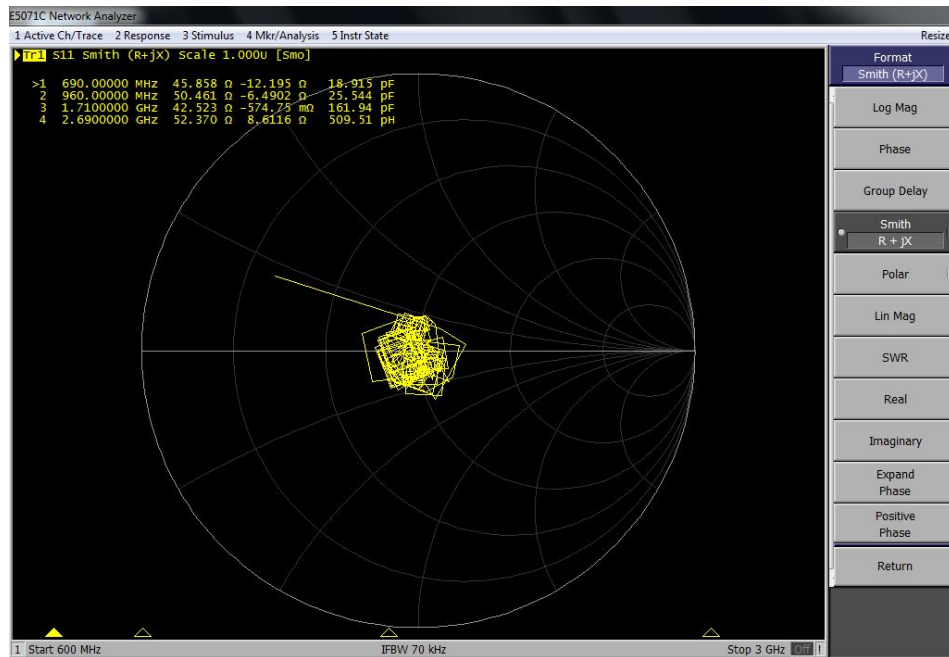
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六、 Impedance diagram



七、 The test data

Passive Test For 690-960、1710-2690								
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
690	38.83	-0.81	1850	32.8	-1.06	2280	34.07	0.93
700	37.11	-0.47	1860	35.52	-0.51	2290	35.54	1.32
710	44.97	0.42	1870	36.67	-0.49	2300	38.2	1.6
720	42.04	0.03	1880	36.51	-0.9	2310	36.81	1.15
730	38.77	-0.18	1890	34.14	-1.31	2320	34.03	0.26
740	38.98	0.49	1900	33.56	-1.42	2330	33.14	-0.32
750	47.02	1.32	1910	36.7	-1.09	2340	33.18	-0.07
760	46.37	1.64	1920	37.46	-0.83	2350	35.04	0.24
770	40.5	0.37	1930	37.02	-0.78	2360	33.33	-0.06
780	40.26	0.62	1940	35.81	-0.44	2370	31.32	-0.46
790	48.44	0.63	1950	35.14	-0.25	2380	30.65	-0.76
800	44.8	0.31	1960	35.62	-0.22	2390	30.9	-0.76
810	43.53	0.02	1970	34.11	-0.59	2400	33.84	-0.13
820	38.2	-0.78	1980	32.97	-0.77	2410	34.6	0.43
830	46.4	0.59	1990	29.84	-1.27	2420	30.86	0.28

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840	47.05	0.4	2000	27.09	-1.87	2430	30.1	0.3
850	46.18	0.64	2010	28.91	-1.69	2440	32.64	0.62
860	44.85	0.27	2020	30.45	-0.96	2450	36.69	0.95
870	47.73	0.6	2030	29.78	-0.69	2460	36.67	0.74
880	49.09	0.41	2040	28.19	-0.99	2470	32.71	-0.07
890	47.82	0.79	2050	28.56	-1.27	2480	31.86	-0.45
900	48.99	1.1	2060	31.31	-1.09	2490	31.54	-0.75
910	48.88	0.85	2070	30.52	-1.43	2500	32.17	-0.69
920	51.97	0.92	2080	25.14	-2.06	2510	31.46	-0.57
930	51.4	1.01	2090	24.02	-2.17	2520	31.61	-0.56
940	49.55	1.02	2100	27.34	-1.16	2530	34.1	-0.1
950	49.59	1.1	2110	31.45	-0.21	2540	35.63	0.39
960	50.39	1.09	2120	33.17	0.22	2550	37.32	0.58
1700	37.69	0	2130	28.35	-0.64	2560	36.23	0.27
1710	36.08	-0.24	2140	28.94	-0.69	2570	37.21	0.32
1720	36.1	-0.34	2150	31.02	-0.39	2580	39.9	0.51
1730	39.92	-0.02	2160	32.17	-0.36	2590	42.26	0.68
1740	37.91	-0.33	2170	30.06	-0.88	2600	41.24	0.69
1750	36.07	-0.61	2180	26.97	-0.89	2610	39.97	0.64
1760	36.72	-0.45	2190	29.65	-0.09	2620	39.71	0.94
1770	38.87	-0.16	2200	34.6	0.76	2630	39.79	1.05
1780	38.59	-0.23	2210	36.55	0.98	2640	36.93	0.75
1790	35.05	-0.88	2220	36.05	0.73	2650	37.02	0.71
1800	33.78	-1.31	2230	32.59	0.47	2660	38.36	0.76
1810	35.41	-1.05	2240	32.86	0.54	2670	39.86	0.84
1820	37.06	-0.8	2250	34.34	0.6	2680	36.37	0.59
1830	37.15	-0.7	2260	36.15	0.55	2690	33.57	0.36
1840	33.02	-1.13	2270	35.23	0.75	2700	32.97	0.16

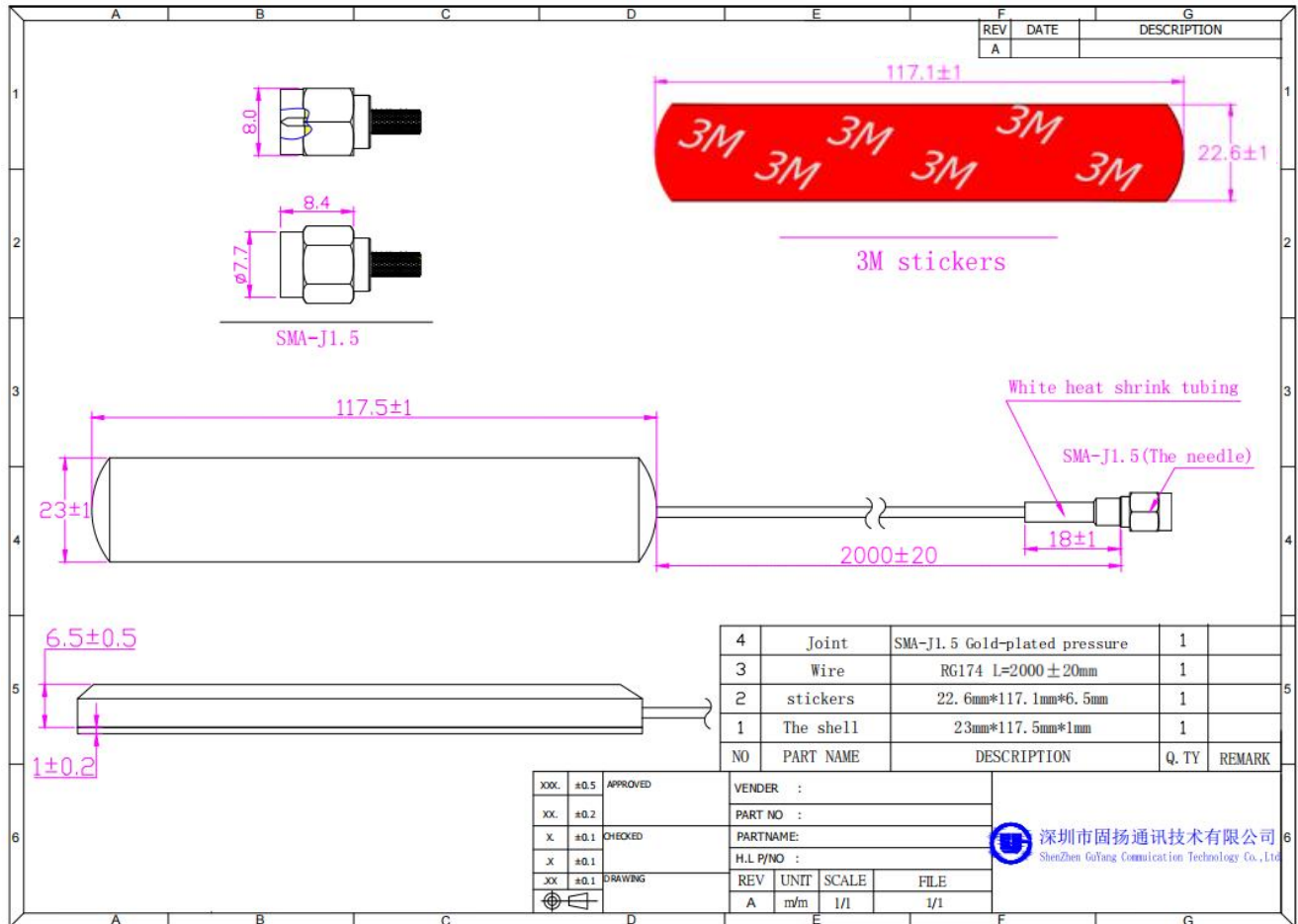
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八、The product structur



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