

Antenna Specifications

At Wavelink, our aim is to provide timely and comprehensive services to our customers. If you require any assistance, please contact our headquarters:

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Wavelink Certifications:



Wavelink Partners:

Skyworth **NARI**

flex

 **HUAWEI**

 **VVDN**
TECHNOLOGIES

Tenda **Infinova**

dji

Hikvision

JABIL

Catalogue

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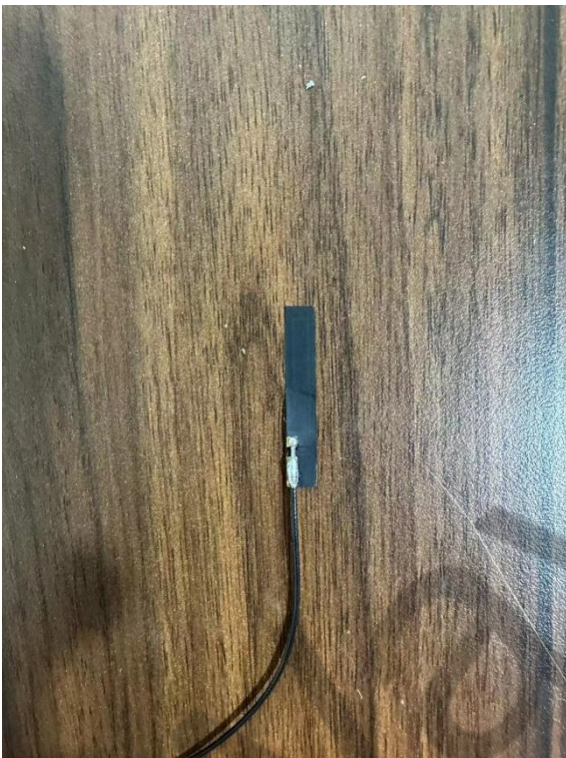
Wavelink

1 Product Description

This wavelink antenna covers GSM.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	824-960 MHz 1710-2170MHz
Input Impedance	50 Ω

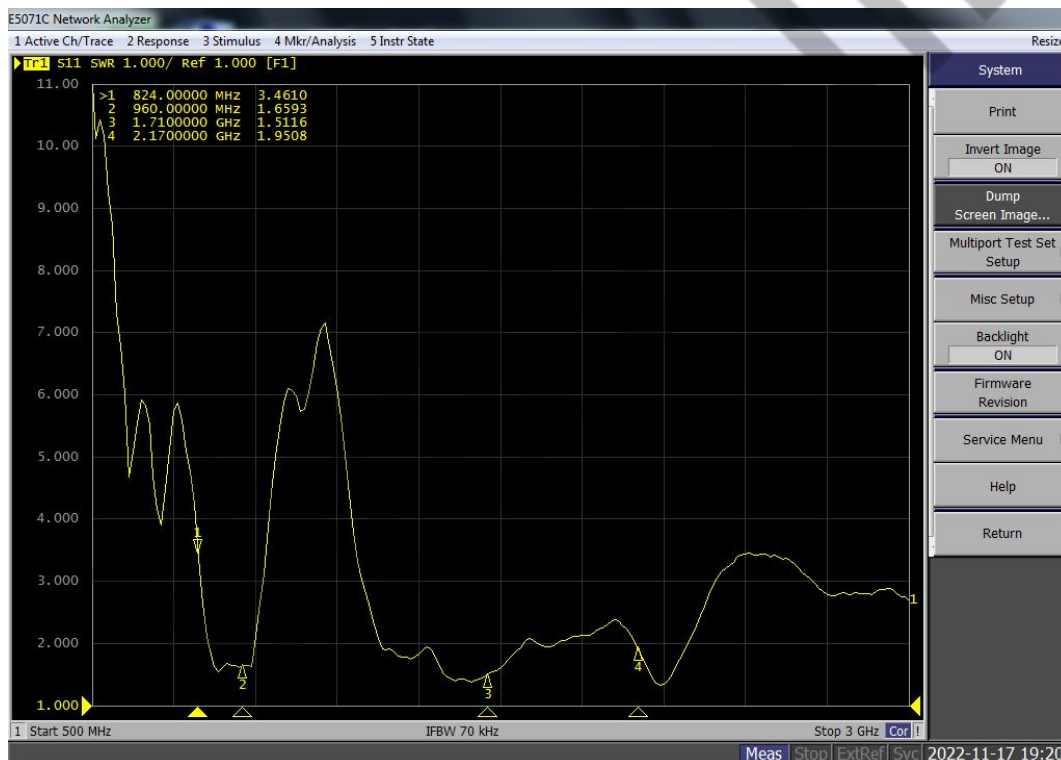
VSWR	≤ 4
Gain	≤ 3 dBi
Polarization Type	Linear

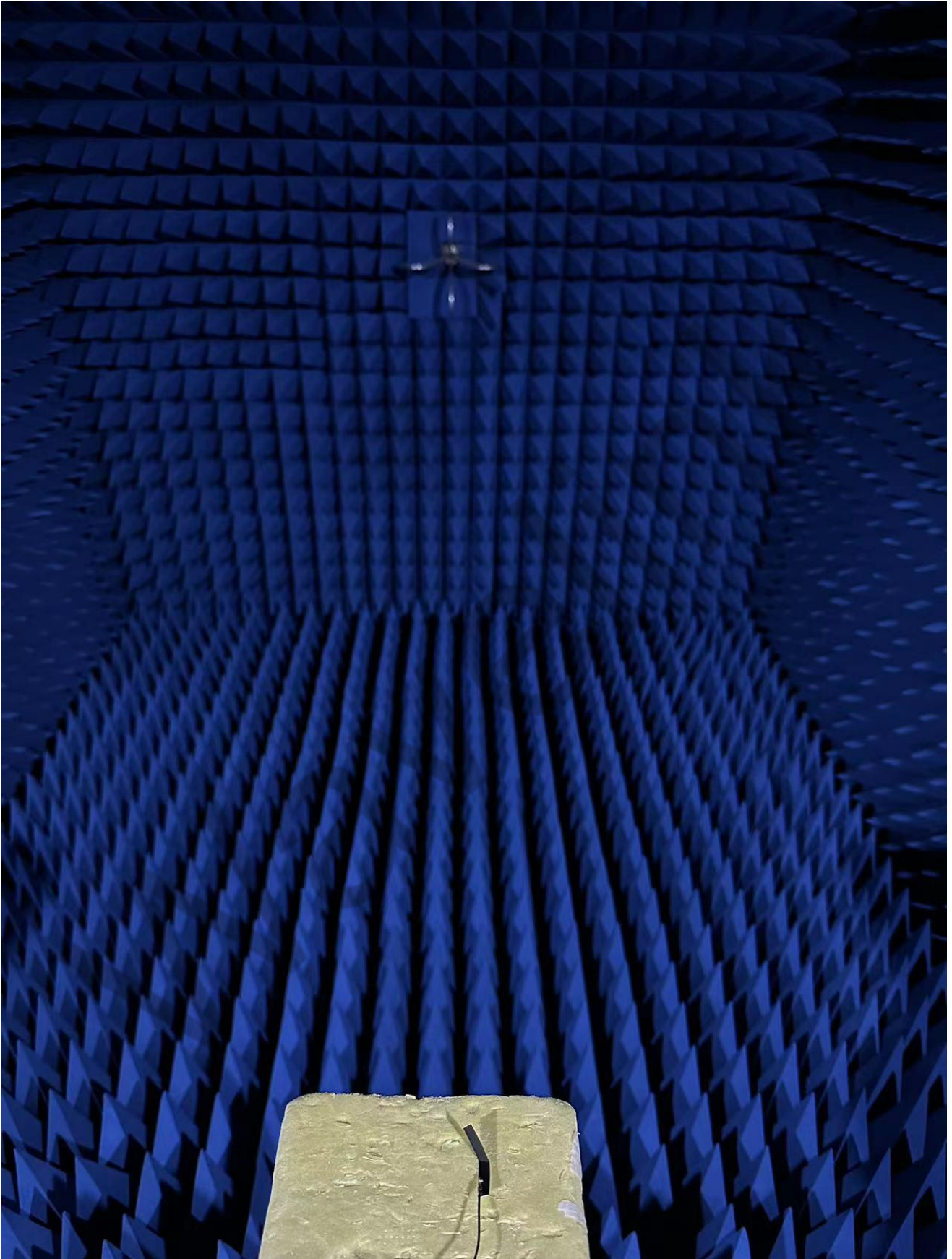
Mechanical Specifications

Antenna Size	32mm × 8mm
Connector Type	I-PEX
Working Temperature	-40 °C to +85 °C
Casing	FPC

4 Overall Performance

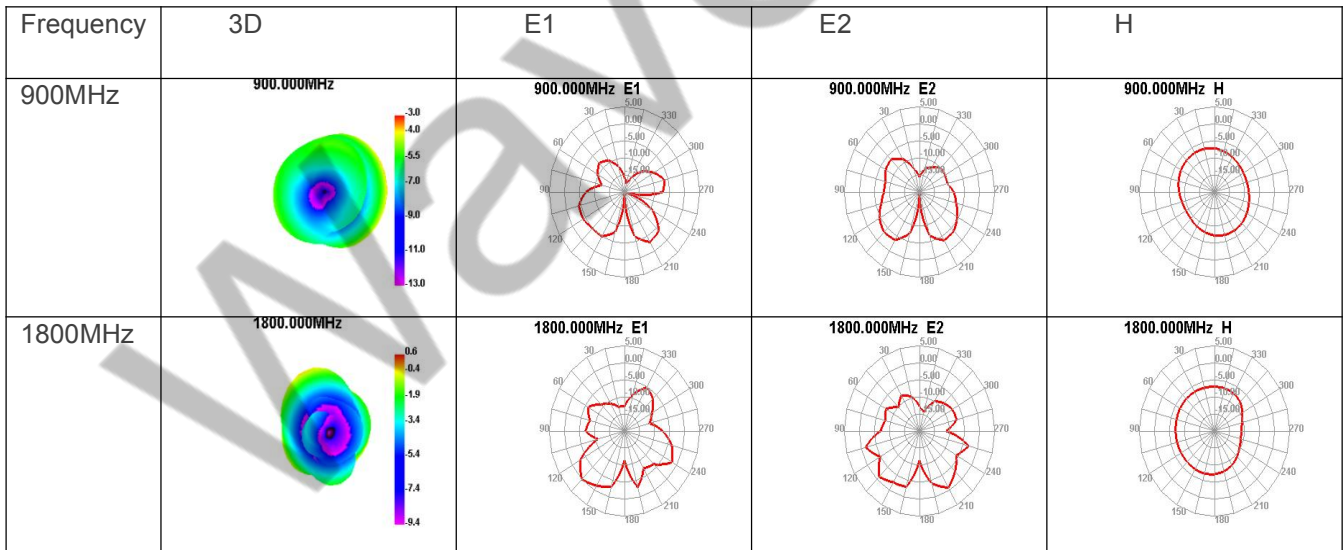
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz



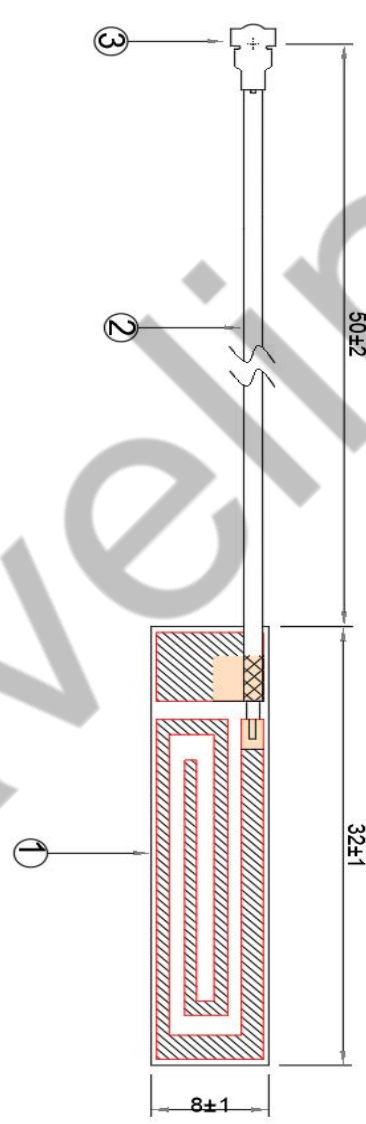


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
820	10.12	-9.95	-6.21	-8.36	-6.21	-27.3	3.74	37.56	37.65
830	11.73	-9.31	-5.65	-7.8	-5.65	-24.45	3.66	38.01	38.02
840	11.18	-9.51	-5.97	-8.12	-5.97	-24.29	3.55	37.66	37.69
850	12.17	-9.15	-5.64	-7.79	-5.64	-23.11	3.5	37.95	37.95
860	14.95	-8.25	-4.72	-6.87	-4.72	-22.41	3.53	38.46	38.51
870	14.99	-8.24	-4.65	-6.8	-4.65	-21.3	3.59	38.56	38.57
880	16.28	-7.88	-4.29	-6.44	-4.29	-21.12	3.59	39.13	39.13
890	20.07	-6.98	-3.24	-5.39	-3.24	-20.09	3.74	39.4	39.39
900	20.02	-6.98	-3.05	-5.2	-3.05	-19.84	3.94	39.82	39.71
910	21.78	-6.62	-2.51	-4.66	-2.51	-20.41	4.11	40.04	39.93
920	22.39	-6.5	-2.27	-4.42	-2.27	-19.43	4.23	40.17	40.07
930	22.39	-6.5	-2.19	-4.34	-2.19	-18.29	4.31	40.36	40.22
940	24.26	-6.15	-1.91	-4.06	-1.91	-18.42	4.24	40.37	40.21
950	24.51	-6.11	-2.05	-4.2	-2.05	-19.01	4.06	40.51	40.23
960	25.85	-5.88	-1.66	-3.81	-1.66	-19.88	4.22	40.26	39.96
1710	24.06	-6.19	-0.89	-3.04	-0.89	-19.88	5.3	42.41	42.5
1720	24.85	-6.05	-0.62	-2.77	-0.62	-17.76	5.42	42.24	42.31
1730	25.18	-5.99	-0.48	-2.63	-0.48	-16.32	5.51	42.06	42.19
1740	28.56	-5.44	0.09	-2.06	0.09	-14.92	5.53	42.71	42.9
1750	30	-5.23	0.35	-1.8	0.35	-14.91	5.58	42.75	42.88
1760	30.7	-5.13	0.56	-1.59	0.56	-14.99	5.69	42.78	42.9
1770	31.97	-4.95	0.78	-1.37	0.78	-15.34	5.73	42.99	43.01
1780	31.84	-4.97	0.82	-1.33	0.82	-15.2	5.79	42.84	42.92
1790	29.08	-5.36	0.43	-1.72	0.43	-14.97	5.8	42.72	42.8
1800	30.08	-5.22	0.65	-1.5	0.65	-14.35	5.86	42.62	42.74
1810	29.47	-5.31	0.56	-1.59	0.56	-14.55	5.86	42.94	43.1
1820	30.78	-5.12	0.8	-1.35	0.8	-14.87	5.92	42.81	42.89
1830	31.13	-5.07	0.85	-1.3	0.85	-15.75	5.92	42.95	42.99
1840	32.28	-4.91	0.99	-1.16	0.99	-16.18	5.9	43.3	43.22
1850	32.08	-4.94	0.96	-1.19	0.96	-16.68	5.9	43.34	43.21
1860	31.16	-5.06	0.82	-1.33	0.82	-16.76	5.88	43.55	43.42
1870	31.56	-5.01	0.86	-1.29	0.86	-16.4	5.87	43.39	43.24
1880	30.29	-5.19	0.62	-1.53	0.62	-16.64	5.8	43.41	43.26
1890	27.21	-5.65	0.23	-1.92	0.23	-17.69	5.88	43.39	43.23
1900	28.95	-5.38	0.49	-1.66	0.49	-18.53	5.87	43.4	43.23
1910	28.09	-5.51	0.39	-1.76	0.39	-20.32	5.91	43.53	43.29
1920	28.88	-5.39	0.51	-1.64	0.51	-21	5.9	43.68	43.56
1930	31.7	-4.99	0.94	-1.21	0.94	-19.74	5.93	43.82	43.66
1940	27.86	-5.55	0.41	-1.74	0.41	-18.8	5.96	43.64	43.54
1950	29.66	-5.28	0.71	-1.44	0.71	-18.78	5.99	43.69	43.62

1960	27.71	-5.57	0.43	-1.72	0.43	-21.23	6.01	43.61	43.5
1970	30.19	-5.2	0.86	-1.29	0.86	-22.71	6.06	43.6	43.5
1980	28.45	-5.46	0.68	-1.47	0.68	-23.25	6.14	43.65	43.62
1990	29.69	-5.27	0.98	-1.17	0.98	-23.73	6.26	43.8	43.76
2000	31.71	-4.99	1.43	-0.72	1.43	-24.92	6.42	44.07	44.09
2010	33.18	-4.79	1.79	-0.36	1.79	-24.86	6.58	44.5	44.61
2020	35.34	-4.52	2.24	0.09	2.24	-22.63	6.75	44.48	44.56
2030	35.06	-4.55	2.36	0.21	2.36	-20.21	6.91	44.6	44.76
2040	32.93	-4.82	2.21	0.06	2.21	-18.34	7.04	44.55	44.67
2050	34.44	-4.63	2.52	0.37	2.52	-16.28	7.15	44.46	44.6
2060	32.49	-4.88	2.35	0.2	2.35	-15.76	7.24	44.56	44.67
2070	34.23	-4.66	2.59	0.44	2.59	-17.5	7.25	44.55	44.64
2080	33.44	-4.76	2.45	0.3	2.45	-20.26	7.21	44.51	44.7
2090	32.58	-4.87	2.21	0.06	2.21	-23.15	7.08	44.47	44.66
2100	32.8	-4.84	2.09	-0.06	2.09	-22.6	6.93	44.59	44.83
2110	30.35	-5.18	1.59	-0.56	1.59	-20.45	6.77	44.8	44.98
2120	33.05	-4.81	1.78	-0.37	1.78	-20.61	6.59	44.86	45.02
2130	30.16	-5.21	1.2	-0.95	1.2	-20.53	6.41	44.83	44.9
2140	26.89	-5.7	0.46	-1.69	0.46	-20.44	6.16	44.8	44.9
2150	24.3	-6.14	-0.28	-2.43	-0.28	-20.33	5.86	44.91	45
2160	21.13	-6.75	-1.26	-3.41	-1.26	-21.78	5.49	44.83	44.89
2170	19.61	-7.08	-2	-4.15	-2	-22.51	5.07	45.01	45.18



5 Product Size

				A				B				C				D				E				F				G											
																				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>X1</td> <td>2021.4.1</td> <td></td> </tr> </table>				REV	DATE	DESCRIPTION	X1	2021.4.1											
REV	DATE	DESCRIPTION																																					
X1	2021.4.1																																						
Specification: Frequency Range: 824-960/1710-2170MHz Impedance: 50Ω VSWR: 4.0 max Gain: 3 dBi																				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>XX, ±3.0</th> <th>XX, ±2.0</th> <th>XX, ±1.0</th> <th>XX, ±0.5</th> <th>XX, ±0.1</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				XX, ±3.0	XX, ±2.0	XX, ±1.0	XX, ±0.5	XX, ±0.1											
XX, ±3.0	XX, ±2.0	XX, ±1.0	XX, ±0.5	XX, ±0.1																																			
CUSTOMER: PART NO. : _____ PARTNAME: _____ WAVELINK P.NO. : WL-GSMIF328-50																				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REV</th> <th>UNIT</th> <th>SHEET</th> </tr> <tr> <td>X1</td> <td>m/m</td> <td>1/1</td> </tr> </table>				REV	UNIT	SHEET	X1	m/m	1/1										
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NO	DESCRIPTION	QTY	REMARK																																				
3	CONN	1																																					
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1	FPC	1																																					
CUSTOMER'S SIGNATURE																				昆山市海宣电子有限公司 Kunshan Wavelink Electronics Co., Ltd.																			