

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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 **HUAWEI**

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TECHNOLOGIES

Tenda Infinova

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JABIL

Catalogue

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1 Product Description

This wavelink antenna covers 860-930MHz.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

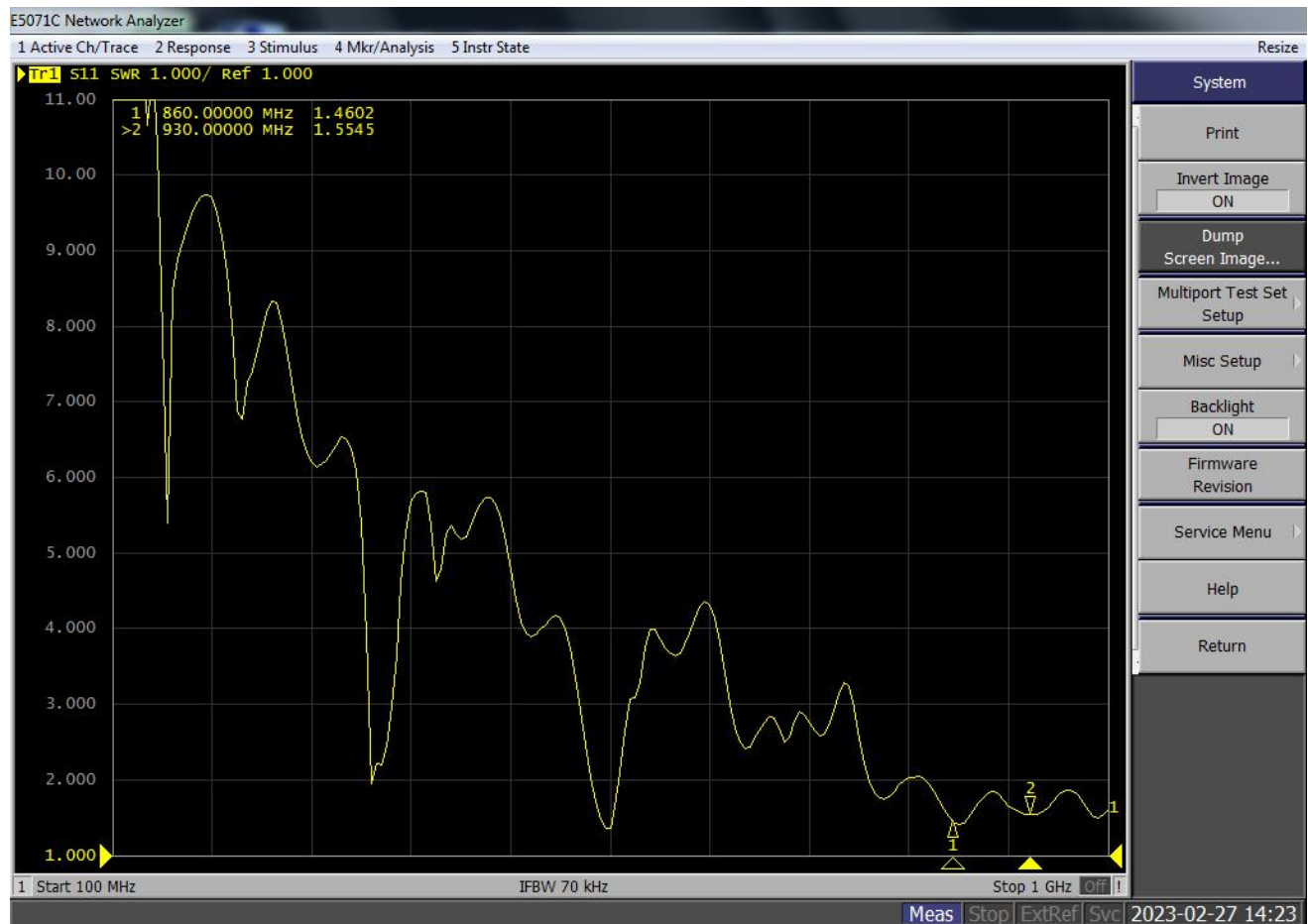
Frequency Range	860-930MHz
Input Impedance	50 Ω
VSWR	<2
Gain	≤ 1 dBi
Polarization Type	Linear

Mechanical Specifications

Antenna Size	111mm $\times$ 29mm
Connector Type	SMA
Working Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Radome Color	Black

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)
860	42.51	-3.72	-0.45	-2.6	-0.45	-15.22	3.26	38.5	38.55
861	42.31	-3.74	-0.42	-2.57	-0.42	-15.48	3.32	38.5	38.54
862	41.98	-3.77	-0.41	-2.56	-0.41	-15.72	3.36	38.49	38.54
863	41.7	-3.8	-0.42	-2.57	-0.42	-15.84	3.38	38.49	38.53
864	41.52	-3.82	-0.47	-2.62	-0.47	-15.9	3.35	38.49	38.52
865	41.34	-3.84	-0.5	-2.65	-0.5	-15.99	3.33	38.48	38.51
866	41.16	-3.86	-0.52	-2.67	-0.52	-16.16	3.34	38.49	38.52
867	40.89	-3.88	-0.53	-2.68	-0.53	-16.47	3.35	38.49	38.52
868	40.58	-3.92	-0.55	-2.7	-0.55	-16.75	3.37	38.5	38.52
869	40.27	-3.95	-0.56	-2.71	-0.56	-17.02	3.39	38.51	38.52
870	39.98	-3.98	-0.56	-2.71	-0.56	-17.28	3.42	38.51	38.52
871	40.06	-3.97	-0.53	-2.68	-0.53	-17.53	3.44	38.55	38.56
872	40.09	-3.97	-0.5	-2.65	-0.5	-17.66	3.47	38.59	38.61
873	40.03	-3.98	-0.47	-2.62	-0.47	-17.77	3.51	38.63	38.65
874	39.82	-4	-0.46	-2.61	-0.46	-17.83	3.54	38.67	38.69
875	39.43	-4.04	-0.47	-2.62	-0.47	-17.85	3.57	38.71	38.73
876	39.12	-4.08	-0.47	-2.62	-0.47	-17.72	3.61	38.79	38.8
877	38.68	-4.13	-0.48	-2.63	-0.48	-17.55	3.65	38.86	38.88
878	38.16	-4.18	-0.51	-2.66	-0.51	-17.19	3.68	38.94	38.95
879	37.67	-4.24	-0.53	-2.68	-0.53	-16.8	3.71	39.01	39.02
880	37.33	-4.28	-0.55	-2.7	-0.55	-16.34	3.73	39.09	39.09
881	36.96	-4.32	-0.57	-2.72	-0.57	-15.93	3.76	39.13	39.13
882	36.89	-4.33	-0.57	-2.72	-0.57	-15.56	3.76	39.17	39.16
883	37.1	-4.31	-0.54	-2.69	-0.54	-15.28	3.77	39.21	39.2
884	37.51	-4.26	-0.48	-2.63	-0.48	-15.05	3.78	39.25	39.24
885	38.05	-4.2	-0.42	-2.57	-0.42	-14.81	3.78	39.29	39.28
886	38.45	-4.15	-0.37	-2.52	-0.37	-14.6	3.78	39.3	39.29
887	38.83	-4.11	-0.33	-2.48	-0.33	-14.33	3.77	39.32	39.31
888	39.09	-4.08	-0.3	-2.45	-0.3	-14.02	3.78	39.34	39.33
889	39.17	-4.07	-0.29	-2.44	-0.29	-13.77	3.78	39.35	39.34
890	39.03	-4.09	-0.3	-2.45	-0.3	-13.48	3.78	39.37	39.36
891	38.76	-4.12	-0.33	-2.48	-0.33	-13.15	3.78	39.4	39.38
892	38.3	-4.17	-0.39	-2.54	-0.39	-12.83	3.78	39.43	39.4
893	37.71	-4.24	-0.47	-2.62	-0.47	-12.73	3.76	39.47	39.43
894	37.07	-4.31	-0.56	-2.71	-0.56	-12.85	3.75	39.5	39.45
895	36.47	-4.38	-0.64	-2.79	-0.64	-12.99	3.74	39.53	39.47
896	36.13	-4.42	-0.7	-2.85	-0.7	-13.15	3.73	39.59	39.52
897	35.93	-4.44	-0.75	-2.9	-0.75	-13.3	3.7	39.64	39.56
898	35.92	-4.45	-0.77	-2.92	-0.77	-13.43	3.67	39.69	39.6
899	36.08	-4.43	-0.79	-2.94	-0.79	-13.59	3.64	39.74	39.64
900	36.43	-4.39	-0.77	-2.92	-0.77	-13.71	3.62	39.79	39.68

901	36.89	-4.33	-0.74	-2.89	-0.74	-13.93	3.59	39.83	39.72
902	37.51	-4.26	-0.71	-2.86	-0.71	-14.1	3.55	39.88	39.76
903	38.26	-4.17	-0.68	-2.83	-0.68	-14.38	3.49	39.92	39.79
904	39.1	-4.08	-0.64	-2.79	-0.64	-14.61	3.44	39.96	39.83
905	39.87	-3.99	-0.61	-2.76	-0.61	-14.81	3.38	40	39.87
906	40.23	-3.95	-0.63	-2.78	-0.63	-14.91	3.32	40.01	39.89
907	40.33	-3.94	-0.61	-2.76	-0.61	-14.88	3.34	40.02	39.9
908	40.27	-3.95	-0.56	-2.71	-0.56	-14.76	3.39	40.04	39.92
909	40.16	-3.96	-0.52	-2.67	-0.52	-14.65	3.44	40.05	39.93
910	40.08	-3.97	-0.48	-2.63	-0.48	-14.58	3.49	40.06	39.95
911	40.07	-3.97	-0.42	-2.57	-0.42	-14.52	3.55	40.07	39.97
912	40.12	-3.97	-0.38	-2.53	-0.38	-14.51	3.58	40.09	39.98
913	40.23	-3.95	-0.34	-2.49	-0.34	-14.61	3.62	40.1	40
914	40.38	-3.94	-0.31	-2.46	-0.31	-14.75	3.63	40.12	40.01
915	40.56	-3.92	-0.28	-2.43	-0.28	-14.89	3.64	40.13	40.03
916	40.67	-3.91	-0.27	-2.42	-0.27	-15.08	3.64	40.14	40.04
917	40.77	-3.9	-0.27	-2.42	-0.27	-15.24	3.63	40.15	40.05
918	40.84	-3.89	-0.28	-2.43	-0.28	-15.32	3.61	40.16	40.06
919	40.92	-3.88	-0.31	-2.46	-0.31	-15.45	3.57	40.17	40.07
920	41.05	-3.87	-0.36	-2.51	-0.36	-15.6	3.51	40.18	40.08
921	41.4	-3.83	-0.38	-2.53	-0.38	-15.67	3.45	40.2	40.1
922	41.86	-3.78	-0.42	-2.57	-0.42	-15.74	3.36	40.23	40.13
923	42.4	-3.73	-0.48	-2.63	-0.48	-15.86	3.25	40.25	40.15
924	42.82	-3.68	-0.52	-2.67	-0.52	-16.03	3.16	40.28	40.18
925	42.94	-3.67	-0.55	-2.7	-0.55	-16.35	3.12	40.3	40.2
926	42.67	-3.7	-0.56	-2.71	-0.56	-16.8	3.14	40.32	40.21
927	42.29	-3.74	-0.54	-2.69	-0.54	-17.25	3.2	40.34	40.23
928	41.9	-3.78	-0.54	-2.69	-0.54	-17.65	3.24	40.36	40.24
929	41.54	-3.82	-0.54	-2.69	-0.54	-18.01	3.28	40.39	40.25
930	41.19	-3.85	-0.54	-2.69	-0.54	-18.28	3.31	40.41	40.27

5 Product Size



6 Others

DESCRIPTION	SPECIFICATION
Temperature /Humidity cycling	1, The device under test is kept for 30 mins in an environment with a temperature of -40 °C. 2, Kept for 4 Hours in an environment with a temperature of 8cthe conditions are stabilized at room temperature. 3, Parts should meet RF spec before and after test. 4, No cosmetic problem(No soldering problem;No adhesion problem of glue).
Temperature Shock	1, The device under test at -40 °C ⇔125 °C by 100 cycles, Dwell of 30 mins, transition time between Dwell 30 secs (~ 61 mins / cycle) and each item should be measured after exposing them in normal temperature and humidity for 24 h. 2, Parts should meet RF spec before and after test. 3, No cosmetic problem(No soldering problem; No adhesion problem of glue).
High Temperature	1, Temperature:125°C, time:1008 hours 2, There is no substantial obstruction to air flow across and around the samples, and the samples are not touching each other 3, Parts should meet RF spec before and after test. 4, No cosmetic problem(No soldering problem; No adhesion problem of glue).
Salt mist test	1, The device under test is exposed to a spray of a 5% (by volume) resolution of NACL in water for 2 hours. Thereafter the device under test is left for 1 week in room temperature at a relative humidity of 95%. The cycle is repeated until a total of 2 cycles have been completed. Here after the conditions are stabilized at room temperature. 2, Parts should meet RF spec before and after test. 3, No visible corrosion. Discoloration accept.