

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 4G LTE bands and is compatible with 3G/2G bands.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	698-960 MHz 1710-2690MHz
Input Impedance	50 Ω

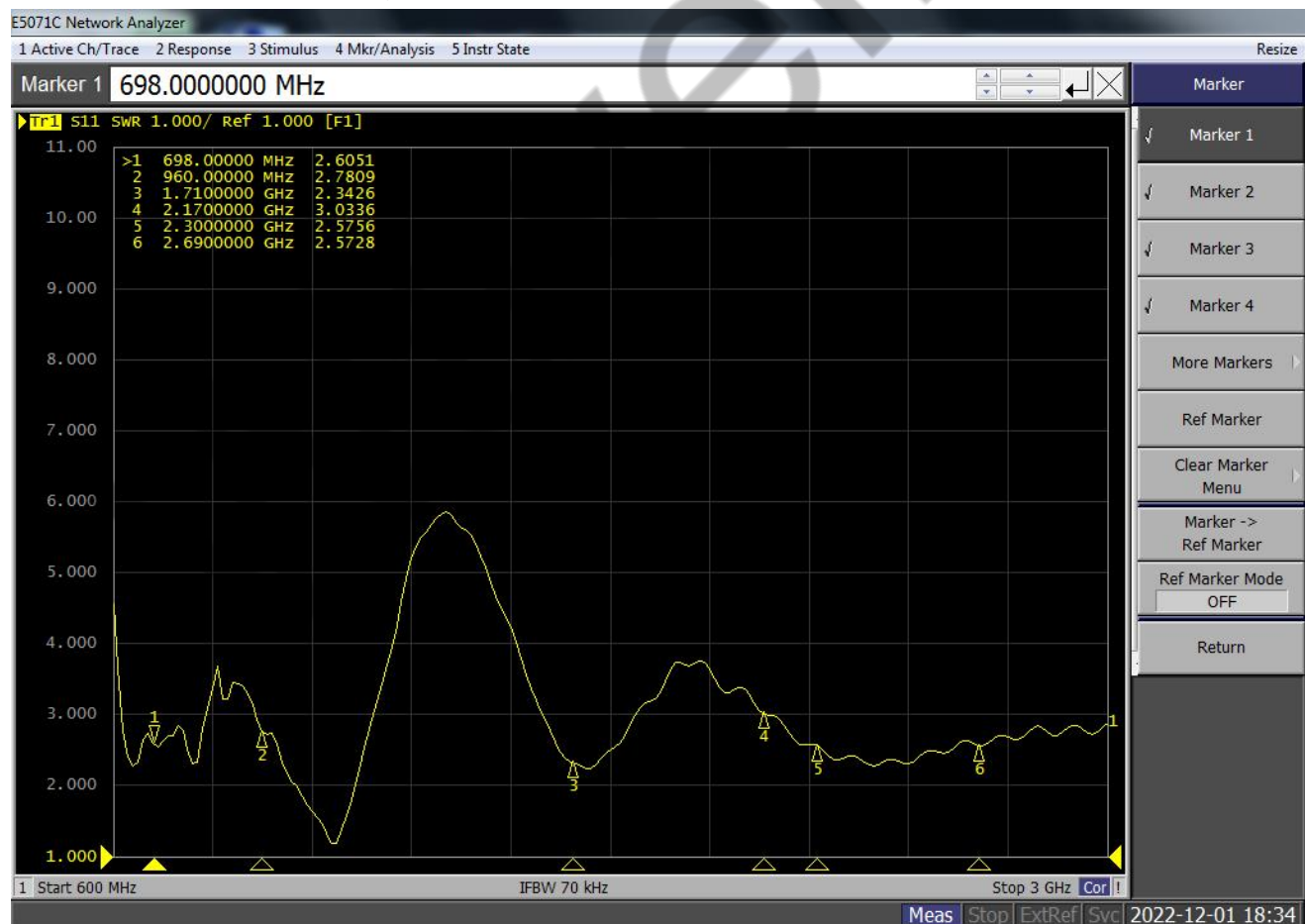
VSWR	≤ 4
Gain	≤ 4 dBi
Polarization Type	Linear

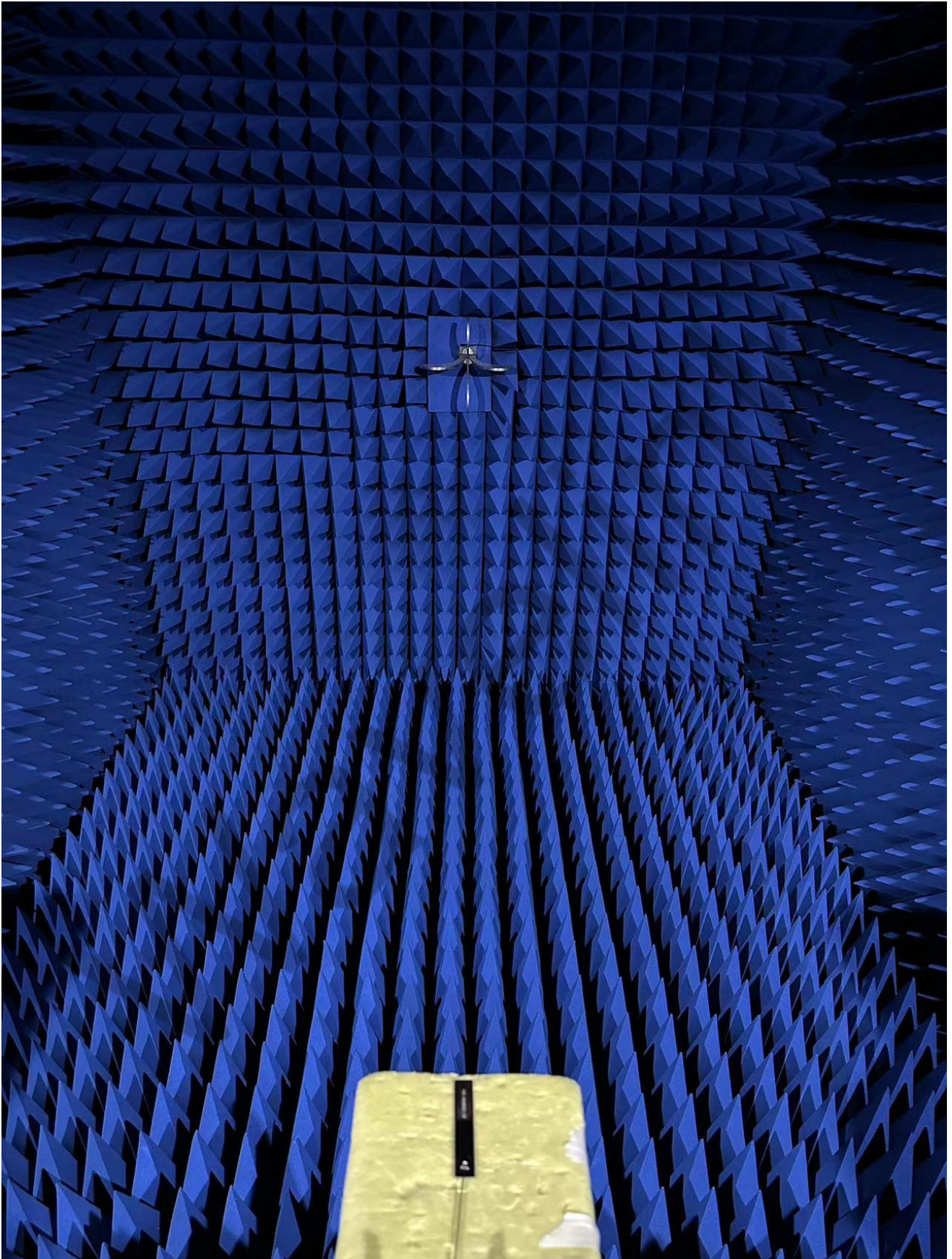
Mechanical Specifications

Antenna Size	66mm × 13mm
Casing	PCB
Connector Type	I-PEX
Working Temperature	-40 °C to +85 °C
Radome Color	Black

4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz

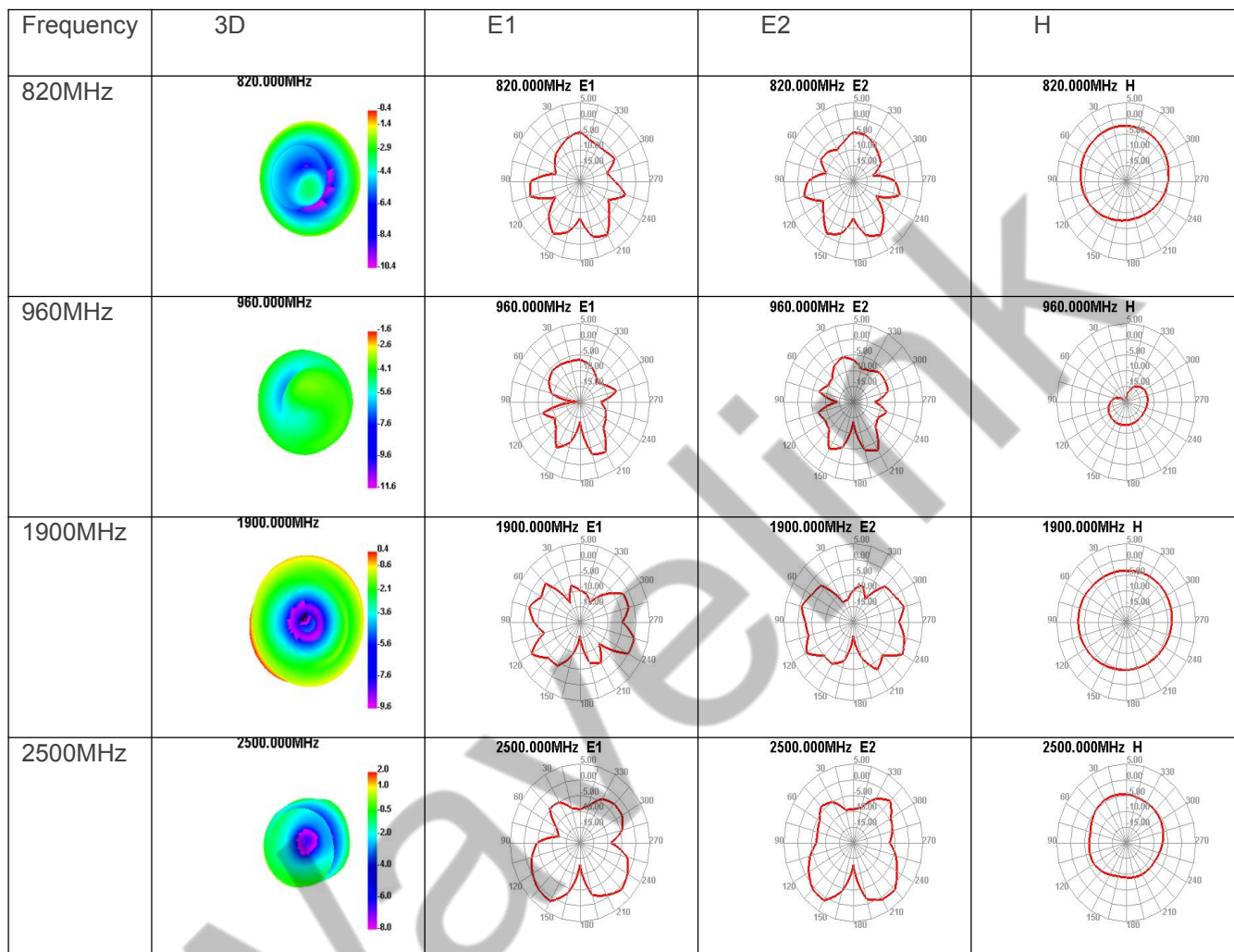




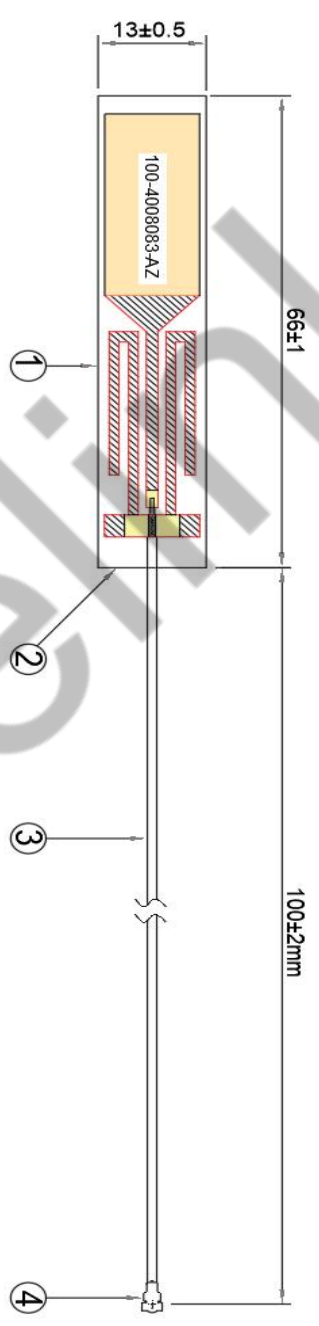
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
690	18.61	-7.3	-2.31	-4.46	-2.31	-19.37	7.3	38.69	38.31
700	25.71	-5.9	-0.65	-2.8	-0.65	-18.66	5.9	39.87	39.55
710	20.11	-6.97	-1.73	-3.88	-1.73	-16.68	6.97	37.59	37.34
720	21.5	-6.68	-1.7	-3.85	-1.7	-13.43	6.68	36.76	36.6
730	23.75	-6.24	-1.48	-3.63	-1.48	-13.03	6.24	36.99	36.86
740	17.52	-7.57	-2.92	-5.07	-2.92	-15.73	7.57	35.67	35.55
750	14.99	-8.24	-3.71	-5.86	-3.71	-17.82	8.24	35.26	35.15
760	14.88	-8.27	-3.84	-5.99	-3.84	-18.86	8.27	35.66	35.54
770	20.22	-6.94	-2.49	-4.64	-2.49	-18.05	6.94	37.25	37.11
780	20.01	-6.99	-2.47	-4.62	-2.47	-18.18	6.99	36.99	36.83
790	14.06	-8.52	-3.91	-6.06	-3.91	-19.15	8.52	35.48	35.31
800	15.09	-8.21	-3.51	-5.66	-3.51	-18	8.21	35.56	35.35
810	15.82	-8.01	-3.25	-5.4	-3.25	-16.8	8.01	35.63	35.4
820	24.15	-6.17	-1.43	-3.58	-1.43	-13.88	6.17	37.46	37.2
830	21.92	-6.59	-2.04	-4.19	-2.04	-13.02	6.59	37.8	37.53
840	18.56	-7.31	-3.09	-5.24	-3.09	-13.01	7.31	37.25	36.98
850	14.32	-8.44	-4.59	-6.74	-4.59	-14.08	8.44	36.38	36.12
860	13.77	-8.61	-5.07	-7.22	-5.07	-14.93	8.61	36.59	36.3
870	16.85	-7.73	-4.45	-6.6	-4.45	-14.59	7.73	37.34	36.99
880	25.13	-6	-2.74	-4.89	-2.74	-12.85	6	38.94	38.54
890	24.56	-6.1	-2.64	-4.79	-2.64	-12.28	6.1	39.19	38.78
900	22.42	-6.49	-2.83	-4.98	-2.83	-13.35	6.49	38.89	38.48
910	20.23	-6.94	-3.06	-5.21	-3.06	-14.81	6.94	38.79	38.38
920	21.95	-6.59	-2.42	-4.57	-2.42	-14.23	6.59	39.52	39.09
930	25.92	-5.86	-1.37	-3.52	-1.37	-13.01	5.86	40.86	40.33
940	30.89	-5.1	-0.2	-2.35	-0.2	-12.55	5.1	41.74	41.06
950	28.88	-5.39	-0.26	-2.41	-0.26	-13.31	5.39	41.57	40.8
960	23.18	-6.35	-1.08	-3.23	-1.08	-14.67	6.35	40.58	39.82
1700	35.38	-4.51	-0.32	-2.47	-0.32	-12.71	4.51	41.47	41.39
1710	43.41	-3.62	0.2	-1.95	0.2	-11.63	3.62	42.38	42.28
1720	42.85	-3.68	0.18	-1.97	0.18	-11.57	3.68	42.63	42.45
1730	43.67	-3.6	0.43	-1.72	0.43	-11.9	3.6	42.47	42.25
1740	40.42	-3.93	0.25	-1.9	0.25	-12.62	3.93	42.37	42.16
1750	40.95	-3.88	0.48	-1.67	0.48	-12.45	3.88	42.4	42.19
1760	42.29	-3.74	0.76	-1.39	0.76	-13.46	3.74	42.68	42.45
1770	38.3	-4.17	0.35	-1.8	0.35	-14.67	4.17	42.45	42.22
1780	34.78	-4.59	-0.17	-2.32	-0.17	-13.88	4.59	42.31	42.07
1790	35.1	-4.55	-0.24	-2.39	-0.24	-12.97	4.55	42.28	41.97
1800	36.57	-4.37	-0.12	-2.27	-0.12	-13.26	4.37	42.54	42.15
1810	36.04	-4.43	-0.26	-2.41	-0.26	-13.53	4.43	42.55	42.14
1820	33.34	-4.77	-0.72	-2.87	-0.72	-13.74	4.77	42.37	42

1830	38.13	-4.19	-0.33	-2.48	-0.33	-13.08	4.19	42.75	42.38
1840	35.36	-4.52	-0.92	-3.07	-0.92	-13.85	4.52	43.03	42.69
1850	39.56	-4.03	-0.68	-2.83	-0.68	-13.75	4.03	43.26	42.98
1860	40.66	-3.91	-0.65	-2.8	-0.65	-13.68	3.91	43.28	42.98
1870	36.54	-4.37	-1.12	-3.27	-1.12	-13.86	4.37	43.15	42.86
1880	38.12	-4.19	-0.9	-3.05	-0.9	-14.02	4.19	43.21	42.94
1890	39.54	-4.03	-0.63	-2.78	-0.63	-14.55	4.03	43.39	43.06
1900	43.45	-3.62	-0.02	-2.17	-0.02	-14.91	3.62	43.49	43.26
1910	41.16	-3.86	-0.06	-2.21	-0.06	-17.03	3.86	43.56	43.31
1920	42.61	-3.7	0.37	-1.78	0.37	-18.53	3.7	43.43	43.21
1930	43.23	-3.64	0.73	-1.42	0.73	-19.41	3.64	43.48	43.24
1940	39.69	-4.01	0.6	-1.55	0.6	-18.54	4.01	43.52	43.31
1950	46.76	-3.3	1.48	-0.67	1.48	-17.2	3.3	43.89	43.64
1960	52.01	-2.84	2.02	-0.13	2.02	-17.96	2.84	44.2	43.95
1970	43.94	-3.57	1.31	-0.84	1.31	-18.73	3.57	43.79	43.66
1980	46.17	-3.36	1.45	-0.7	1.45	-17.25	3.36	43.74	43.52
1990	49.01	-3.1	1.54	-0.61	1.54	-18.09	3.1	44.03	43.89
2000	51.48	-2.88	1.49	-0.66	1.49	-24.93	2.88	44.38	44.23
2010	56.78	-2.46	1.64	-0.51	1.64	-27.79	2.46	44.58	44.41
2020	55.53	-2.56	1.34	-0.81	1.34	-21.88	2.56	44.51	44.43
2030	56.19	-2.5	1.27	-0.88	1.27	-18.87	2.5	44.59	44.53
2040	55.91	-2.53	1.28	-0.87	1.28	-16.84	2.53	44.5	44.45
2050	52.82	-2.77	1.25	-0.9	1.25	-18.32	2.77	44.03	43.97
2060	50.58	-2.96	1.2	-0.95	1.2	-21.32	2.96	43.85	43.79
2070	51.55	-2.88	1.35	-0.8	1.35	-21.76	2.88	43.9	43.74
2080	55.38	-2.57	1.7	-0.45	1.7	-17.94	2.57	44.13	43.97
2090	58.99	-2.29	2	-0.15	2	-15.75	2.29	44.53	44.39
2100	56.78	-2.46	1.86	-0.29	1.86	-15.33	2.46	44.42	44.22
2110	68.08	-1.67	2.78	0.63	2.78	-14.22	1.67	45.18	44.99
2120	64.7	-1.89	2.75	0.6	2.75	-14.61	1.89	45.21	45.07
2130	64.01	-1.94	2.9	0.75	2.9	-14.89	1.94	45.1	44.91
2140	65.68	-1.83	3.15	1	3.15	-15.02	1.83	45.17	45.02
2150	62.33	-2.05	3	0.85	3	-17.53	2.05	45.39	45.32
2160	68.06	-1.67	3.45	1.3	3.45	-19.5	1.67	45.42	45.31
2170	77.62	-1.1	4.04	1.89	4.04	-19.3	1.1	46.21	46.17
2180	70.39	-1.52	3.65	1.5	3.65	-17.6	1.52	45.89	45.87
2190	68.7	-1.63	3.54	1.39	3.54	-15.36	1.63	45.67	45.62
2200	63.43	-1.98	3.17	1.02	3.17	-13.79	1.98	45.54	45.46
2210	73.07	-1.36	3.77	1.62	3.77	-13.37	1.36	46.15	46.11
2220	65.28	-1.85	3.26	1.11	3.26	-13.98	1.85	45.89	45.83
2230	63.42	-1.98	3.12	0.97	3.12	-14.46	1.98	45.5	45.41
2240	63.44	-1.98	3.06	0.91	3.06	-14.83	1.98	45.58	45.54
2250	61.13	-2.14	2.81	0.66	2.81	-15.5	2.14	45.84	45.76
2260	63.05	-2	2.85	0.7	2.85	-16.43	2	45.88	45.83

2270	58.28	-2.34	2.4	0.25	2.4	-17.23	2.34	45.88	45.9
2280	52.19	-2.82	1.79	-0.36	1.79	-19.36	2.82	46.04	46.03
2290	54.42	-2.64	1.78	-0.37	1.78	-20.46	2.64	45.77	45.73
2300	45.27	-3.44	0.9	-1.25	0.9	-21.41	3.44	45.55	45.57
2310	44.69	-3.5	0.87	-1.28	0.87	-20.26	3.5	45.69	45.56
2320	50.81	-2.94	1.51	-0.64	1.51	-18.32	2.94	45.99	45.93
2330	45.54	-3.42	1.18	-0.97	1.18	-18.2	3.42	45.94	45.89
2340	44.01	-3.56	1.18	-0.97	1.18	-18.04	3.56	45.77	45.68
2350	41.79	-3.79	1.16	-0.99	1.16	-17.62	3.79	45.93	45.89
2360	40	-3.98	1.23	-0.92	1.23	-17.25	3.98	45.81	45.75
2370	36.59	-4.37	1.01	-1.14	1.01	-19.08	4.37	45.86	45.84
2380	36.24	-4.41	1	-1.15	1	-21.2	4.41	45.6	45.48
2390	36.89	-4.33	1.05	-1.1	1.05	-23.05	4.33	45.57	45.57
2400	35.12	-4.54	0.78	-1.37	0.78	-22.46	4.54	45.87	45.75
2410	35.84	-4.46	0.82	-1.33	0.82	-20.3	4.46	45.85	45.78
2420	38.69	-4.12	1.1	-1.05	1.1	-18.48	4.12	46.26	46.25
2430	41.22	-3.85	1.37	-0.78	1.37	-19.26	3.85	46.47	46.34
2440	45.47	-3.42	1.86	-0.29	1.86	-19.3	3.42	46.84	46.78
2450	43.42	-3.62	1.76	-0.39	1.76	-19.42	3.62	46.56	46.47
2460	48.35	-3.16	2.29	0.14	2.29	-19.86	3.16	46.97	46.88
2470	49.05	-3.09	2.37	0.22	2.37	-19.82	3.09	47.13	47.01
2480	52.2	-2.82	2.61	0.46	2.61	-19.23	2.82	47.4	47.28
2490	50.01	-3.01	2.4	0.25	2.4	-18.65	3.01	47.39	47.18
2500	49.85	-3.02	2.39	0.24	2.39	-20.79	3.02	47.31	47.13
2510	55.08	-2.59	2.84	0.69	2.84	-22.63	2.59	47.81	47.68
2520	49.24	-3.08	2.37	0.22	2.37	-22.98	3.08	47.54	47.41
2530	54.36	-2.65	2.81	0.66	2.81	-20.16	2.65	47.65	47.56
2540	65.57	-1.83	3.62	1.47	3.62	-18.03	1.83	48.18	48.16
2550	59.08	-2.29	3.13	0.98	3.13	-18.34	2.29	47.88	47.84
2560	56.61	-2.47	2.89	0.74	2.89	-19.09	2.47	47.86	47.8
2570	55.46	-2.56	2.71	0.56	2.71	-19.84	2.56	48.01	48.03
2580	67.89	-1.68	3.49	1.34	3.49	-18.28	1.68	48.72	48.57
2590	48.49	-3.14	1.91	-0.24	1.91	-18.6	3.14	47.77	47.7
2600	62.68	-2.03	2.9	0.75	2.9	-16.9	2.03	48.52	48.43
2610	63.67	-1.96	2.89	0.74	2.89	-18.58	1.96	48.38	48.29
2620	51.92	-2.85	2.09	-0.06	2.09	-19.89	2.85	47.88	47.79
2630	68.33	-1.65	3.37	1.22	3.37	-18.91	1.65	48.5	48.41
2640	51.22	-2.91	2.22	0.07	2.22	-19.78	2.91	47.74	47.6
2650	57.55	-2.4	2.77	0.62	2.77	-19.52	2.4	47.86	47.74
2660	57.93	-2.37	2.75	0.6	2.75	-19.8	2.37	47.86	47.74
2670	48.1	-3.18	1.85	-0.3	1.85	-20.13	3.18	47.46	47.3
2680	55.62	-2.55	2.45	0.3	2.45	-18.72	2.55	47.95	47.84
2690	42.63	-3.7	1.26	-0.89	1.26	-19.05	3.7	47.16	47.05
2700	58.73	-2.31	2.62	0.47	2.62	-17.16	2.31	48.31	48.19



5 Product Size

		A		B		C		D		E		F		G	
												REV		DATE	
														DESCRIPTION	
												X1			
															
Specification: Frequency Range: 698-960/1710-2690MHz Impedance: 50Ω VSWR: 4.0 max															
CUSTOMER'S SIGNATURE		APPROVED		X		X		X		X		X		X	
CUSTOMER:		PART NO. :		CHECKED		X		X		X		X		X	
PARTNAME:		WAVE/INK P/NO. : WL-4GIP6613-100		DRAWING		X		X		X		X		X	
REV		UNIT		SHEET : 1/1		X1		m/m		X1		X1		X1	
Kunshan Wavelink Electronics Co., Ltd.		DESCRIPTION		QTY		REMARK		1		1		1		1	
昆山市海宣电子有限公司		I-PER For 1.13		RF 1.13mm ; Gray		54*13mm		66*13mm ; Balck		1		1		1	