

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 433MHz.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	433 MHz
Input Impedance	50 Ω
VSWR	≤ 2

Gain ≤ 1 dBi

Polarization Type Linear

Mechanical Specifications

Antenna Size 52mm \times 16mm

Casing Spring

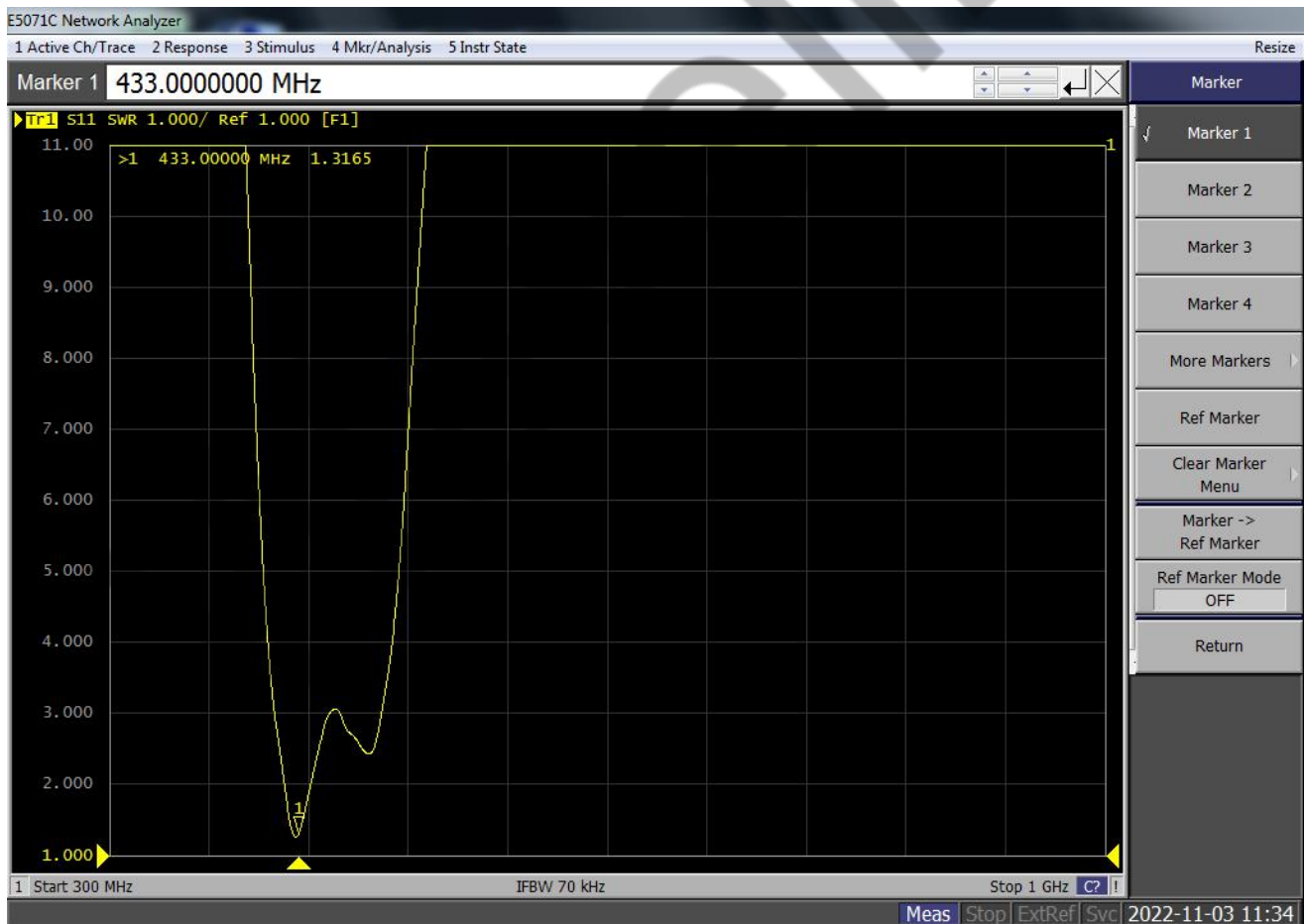
Connector Type SMA

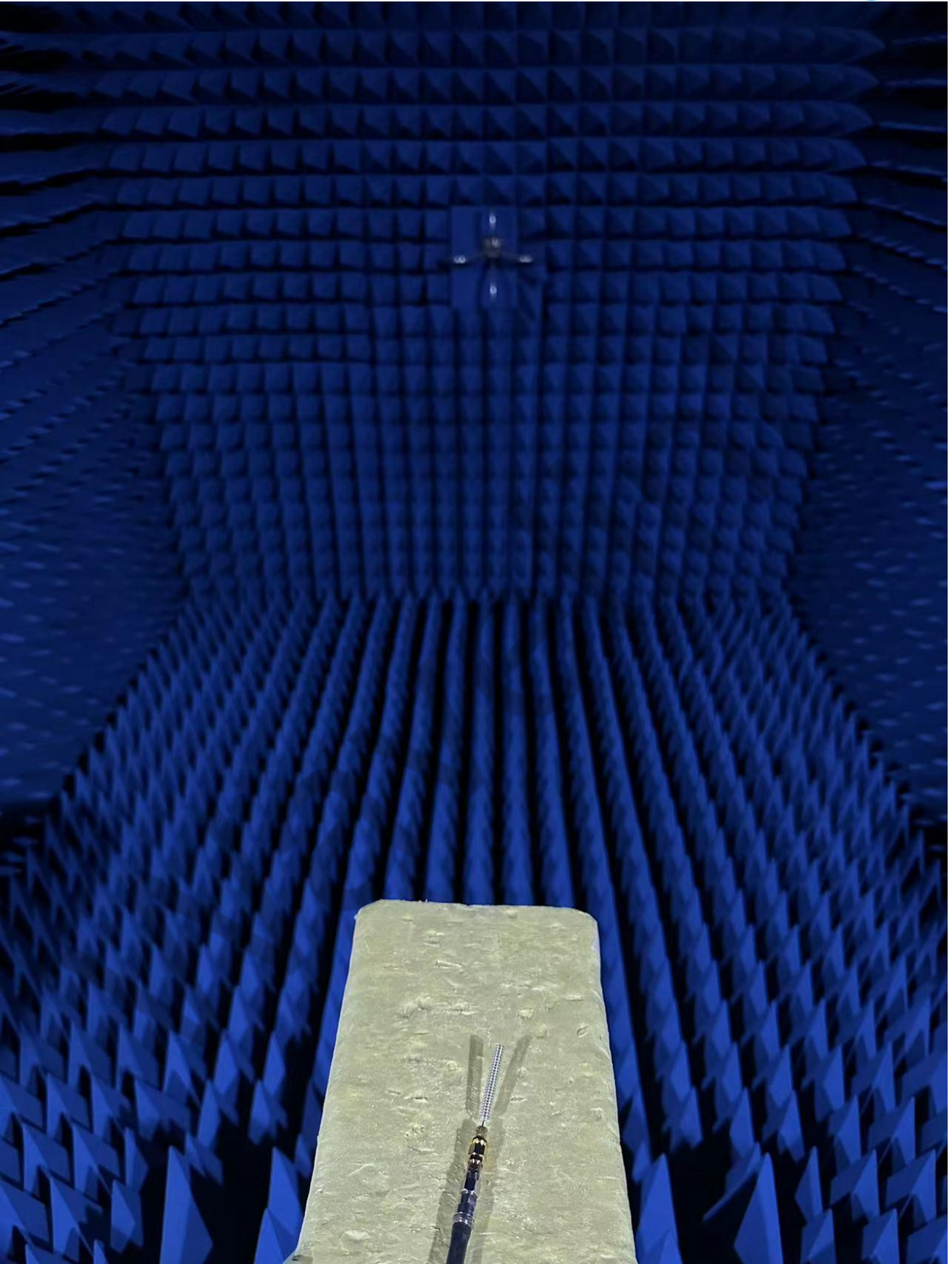
Working Temperature -40 °C to +85 °C

Radome Color Silver

4 Overall Performance

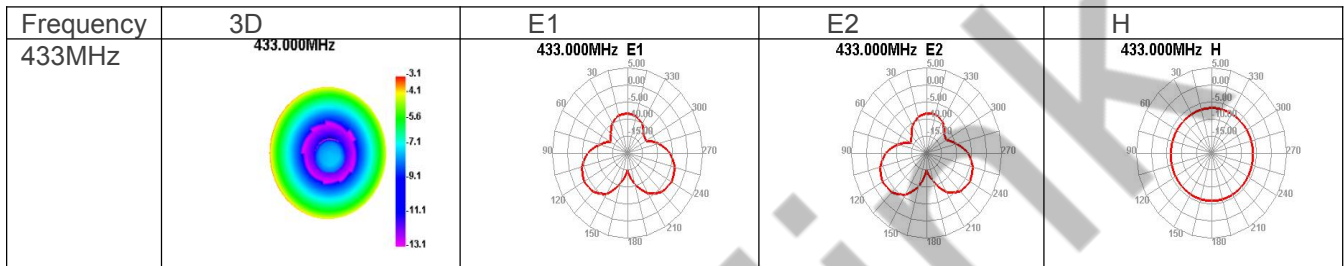
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz





Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
400	13.91	-8.57	-3.95	-6.1	-3.95	-16.89	8.57	30	37.59	37.64
401	13.97	-8.55	-3.91	-6.06	-3.91	-16.99	8.55	30	37.51	37.55
402	14.11	-8.5	-3.86	-6.01	-3.86	-17.04	8.5	30	37.42	37.46
403	14.3	-8.45	-3.79	-5.94	-3.79	-17.09	8.45	30	37.33	37.36
404	14.52	-8.38	-3.73	-5.88	-3.73	-17.07	8.38	30	37.25	37.27
405	14.73	-8.32	-3.67	-5.82	-3.67	-17.03	8.32	30	37.16	37.18
406	14.92	-8.26	-3.63	-5.78	-3.63	-16.95	8.26	30	37.08	37.08
407	15.06	-8.22	-3.62	-5.77	-3.62	-16.87	8.22	30	37	36.98
408	15.11	-8.21	-3.63	-5.78	-3.63	-16.76	8.21	30	36.92	36.88
409	15.07	-8.22	-3.67	-5.82	-3.67	-16.64	8.22	30	36.83	36.77
410	14.96	-8.25	-3.75	-5.9	-3.75	-16.49	8.25	30	36.75	36.67
411	15.61	-8.07	-3.62	-5.77	-3.62	-16.1	8.07	30	36.91	36.82
412	16.25	-7.89	-3.51	-5.66	-3.51	-15.65	7.89	30	37.06	36.97
413	16.95	-7.71	-3.4	-5.55	-3.4	-15.22	7.71	45	37.21	37.11
414	17.72	-7.51	-3.28	-5.43	-3.28	-14.75	7.51	45	37.36	37.26
415	18.64	-7.3	-3.15	-5.3	-3.15	-14.55	7.3	45	37.52	37.41
416	19.09	-7.19	-3.13	-5.28	-3.13	-14.41	7.19	45	37.52	37.43
417	19.67	-7.06	-3.1	-5.25	-3.1	-14.28	7.06	45	37.53	37.45
418	20.36	-6.91	-3.04	-5.19	-3.04	-14.12	6.91	45	37.54	37.48
419	21.12	-6.75	-2.98	-5.13	-2.98	-13.97	6.75	45	37.55	37.5
420	21.89	-6.6	-2.9	-5.05	-2.9	-13.83	6.6	45	37.55	37.52
421	22.29	-6.52	-2.91	-5.06	-2.91	-13.87	6.52	45	37.5	37.47
422	22.57	-6.46	-2.87	-5.02	-2.87	-13.92	6.46	45	37.45	37.42
423	22.68	-6.44	-2.86	-5.01	-2.86	-14.05	6.44	45	37.4	37.37
424	22.62	-6.45	-2.89	-5.04	-2.89	-14.19	6.45	45	37.34	37.32
425	22.42	-6.49	-2.94	-5.09	-2.94	-14.37	6.49	45	37.29	37.27
426	22.53	-6.47	-2.94	-5.09	-2.94	-14.44	6.47	45	37.31	37.32
427	22.64	-6.45	-2.94	-5.09	-2.94	-14.51	6.45	45	37.34	37.36
428	22.79	-6.42	-2.92	-5.07	-2.92	-14.58	6.42	45	37.36	37.41
429	23.06	-6.37	-2.89	-5.04	-2.89	-14.6	6.37	45	37.38	37.45
430	23.49	-6.29	-2.83	-4.98	-2.83	-14.58	6.29	30	37.41	37.5
431	23.01	-6.38	-2.93	-5.08	-2.93	-14.77	6.38	30	37.23	37.32
432	22.68	-6.44	-3	-5.15	-3	-14.9	6.44	45	37.06	37.14
433	22.44	-6.49	-3.06	-5.21	-3.06	-15.01	6.49	45	36.89	36.96
434	22.23	-6.53	-3.11	-5.26	-3.11	-15.12	6.53	45	36.72	36.78
435	21.97	-6.58	-3.17	-5.32	-3.17	-15.23	6.58	45	36.55	36.6
436	21.77	-6.62	-3.22	-5.37	-3.22	-15.33	6.62	45	36.41	36.47
437	21.41	-6.69	-3.3	-5.45	-3.3	-15.47	6.69	45	36.27	36.33
438	20.88	-6.8	-3.42	-5.57	-3.42	-15.64	6.8	45	36.13	36.2
439	20.19	-6.95	-3.56	-5.71	-3.56	-15.86	6.95	45	36	36.06
440	19.42	-7.12	-3.74	-5.89	-3.74	-16.12	7.12	45	35.86	35.93
441	19.02	-7.21	-3.83	-5.98	-3.83	-16.27	7.21	45	35.81	35.88

442	18.64	-7.3	-3.91	-6.06	-3.91	-16.42	7.3	45	35.76	35.84
443	18.34	-7.37	-3.98	-6.13	-3.98	-16.54	7.37	45	35.71	35.79
444	18.16	-7.41	-4.02	-6.17	-4.02	-16.65	7.41	45	35.66	35.75
445	18.13	-7.42	-4.02	-6.17	-4.02	-16.7	7.42	45	35.62	35.71
446	17.75	-7.51	-4.1	-6.25	-4.1	-16.84	7.51	45	35.45	35.54
447	17.49	-7.57	-4.16	-6.31	-4.16	-16.97	7.57	45	35.29	35.37
448	17.3	-7.62	-4.2	-6.35	-4.2	-17.09	7.62	45	35.12	35.21
449	17.12	-7.66	-4.24	-6.39	-4.24	-17.22	7.66	45	34.96	35.04
450	16.91	-7.72	-4.28	-6.43	-4.28	-17.34	7.72	45	34.79	34.87



5 Product Size

