

# 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**

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 **VVDN**  
TECHNOLOGIES

**Tenda** **Infinova**

**dji**

**Hikvision**

**JABIL**

# Catalogue

|   |                              |   |
|---|------------------------------|---|
| 1 | Product Description .....    | 3 |
| 2 | Product Features .....       | 3 |
| 3 | Product Specifications ..... | 3 |
| 4 | Overall Performance .....    | 4 |
| 5 | Product Size .....           | 9 |

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 $\Omega$              |

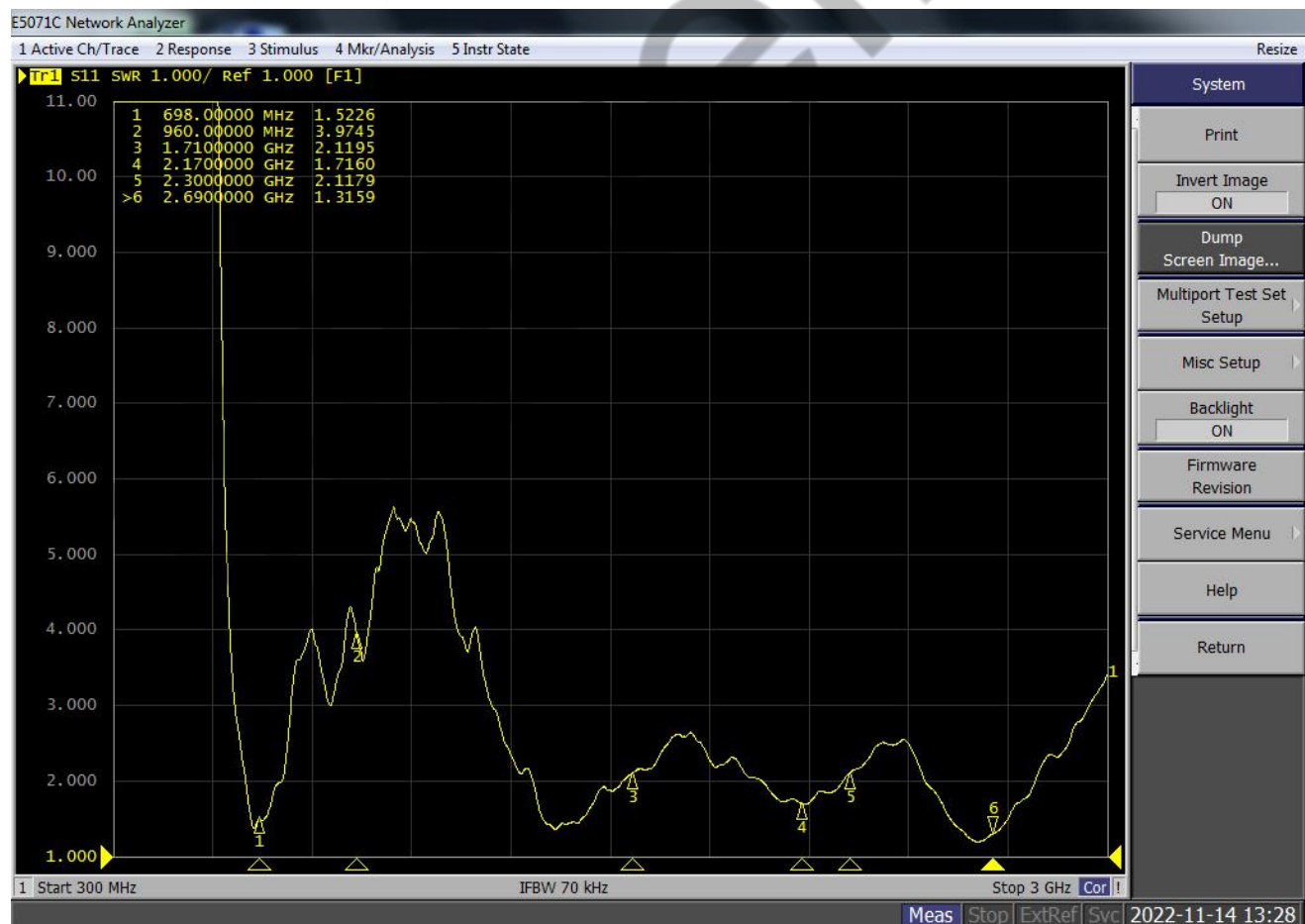
|                   |              |
|-------------------|--------------|
| VSWR              | $\leq 3$     |
| Gain              | $\leq 5$ dBi |
| Polarization Type | Linear       |

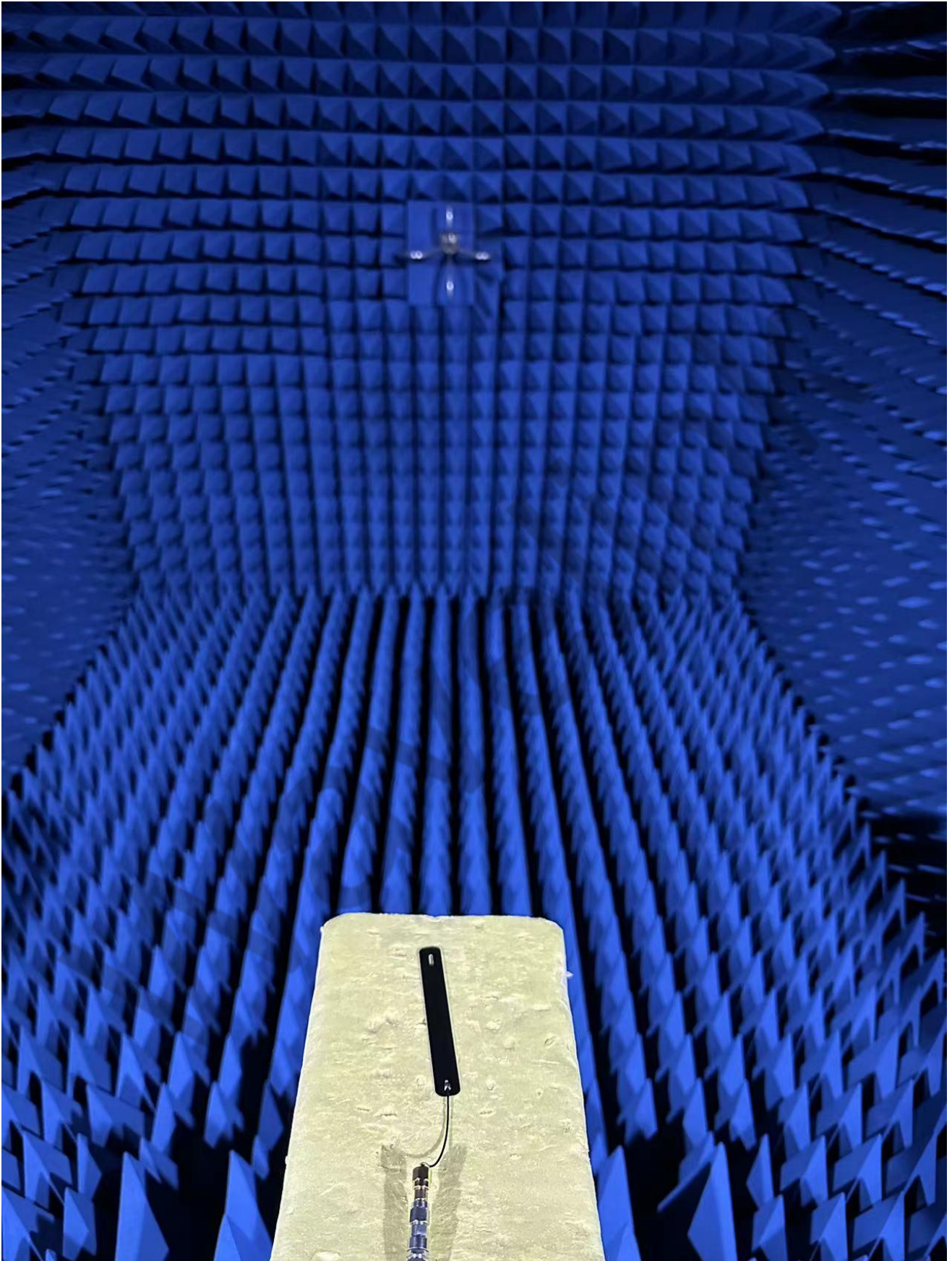
### Mechanical Specifications

|                     |                  |
|---------------------|------------------|
| Antenna Size        | 95mm × 14mm      |
| Casing              | PCB              |
| Connector Type      | I-PEX            |
| Working Temperature | -40 °C to +85 °C |
| Radome Color        | Black            |

## 4 Overall Performance

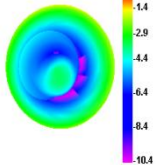
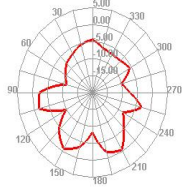
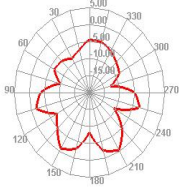
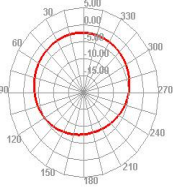
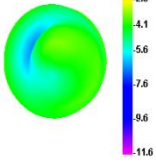
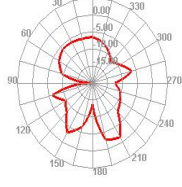
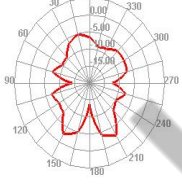
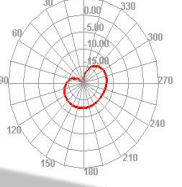
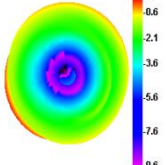
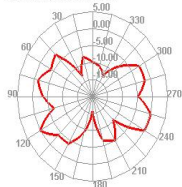
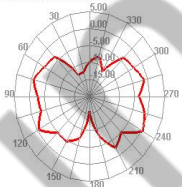
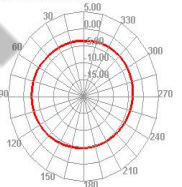
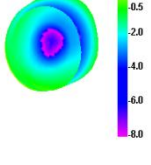
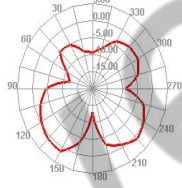
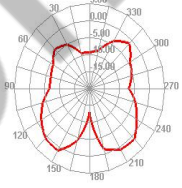
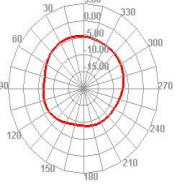
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz





| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | Gain<br>(dBd) | Max<br>(dB) | Min<br>(dB) | Directivity<br>(dBi) | AttH<br>(dB) | AttV<br>(dB) |
|---------------|-------------|--------------|---------------|---------------|-------------|-------------|----------------------|--------------|--------------|
| 690           | 52.15       | -2.83        | 1.76          | -0.39         | 1.76        | -11.65      | 2.83                 | 38.69        | 38.31        |
| 700           | 70.35       | -1.53        | 3.43          | 1.28          | 3.43        | -13.21      | 1.53                 | 39.87        | 39.55        |
| 710           | 41.28       | -3.84        | 1.3           | -0.85         | 1.3         | -14.12      | 3.84                 | 37.59        | 37.34        |
| 720           | 36.47       | -4.38        | 0.68          | -1.47         | 0.68        | -14.19      | 4.38                 | 36.76        | 36.6         |
| 730           | 41.48       | -3.82        | 0.96          | -1.19         | 0.96        | -16.76      | 3.82                 | 36.99        | 36.86        |
| 740           | 34.5        | -4.62        | 0.01          | -2.14         | 0.01        | -22.53      | 4.62                 | 35.67        | 35.55        |
| 750           | 32.26       | -4.91        | -0.41         | -2.56         | -0.41       | -22.87      | 4.91                 | 35.26        | 35.15        |
| 760           | 35.06       | -4.55        | -0.19         | -2.34         | -0.19       | -18.49      | 4.55                 | 35.66        | 35.54        |
| 770           | 46.39       | -3.34        | 1.12          | -1.03         | 1.12        | -18.16      | 3.34                 | 37.25        | 37.11        |
| 780           | 39.55       | -4.03        | 0.56          | -1.59         | 0.56        | -17.06      | 4.03                 | 36.99        | 36.83        |
| 790           | 24.65       | -6.08        | -1.39         | -3.54         | -1.39       | -17.39      | 6.08                 | 35.48        | 35.31        |
| 800           | 22.8        | -6.42        | -1.66         | -3.81         | -1.66       | -15.51      | 6.42                 | 35.56        | 35.35        |
| 810           | 21.66       | -6.64        | -1.92         | -4.07         | -1.92       | -14.96      | 6.64                 | 35.63        | 35.4         |
| 820           | 31.4        | -5.03        | -0.4          | -2.55         | -0.4        | -13.74      | 5.03                 | 37.46        | 37.2         |
| 830           | 32.99       | -4.82        | -0.4          | -2.55         | -0.4        | -14.13      | 4.82                 | 37.8         | 37.53        |
| 840           | 27.57       | -5.59        | -1.5          | -3.65         | -1.5        | -15.37      | 5.59                 | 37.25        | 36.98        |
| 850           | 21.18       | -6.74        | -2.99         | -5.14         | -2.99       | -16.09      | 6.74                 | 36.38        | 36.12        |
| 860           | 18.66       | -7.29        | -3.77         | -5.92         | -3.77       | -15.91      | 7.29                 | 36.59        | 36.3         |
| 870           | 19.66       | -7.07        | -3.7          | -5.85         | -3.7        | -14.95      | 7.07                 | 37.34        | 36.99        |
| 880           | 24.25       | -6.15        | -2.77         | -4.92         | -2.77       | -13.37      | 6.15                 | 38.94        | 38.54        |
| 890           | 24.89       | -6.04        | -2.48         | -4.63         | -2.48       | -13.61      | 6.04                 | 39.19        | 38.78        |
| 900           | 21.99       | -6.58        | -2.87         | -5.02         | -2.87       | -19.02      | 6.58                 | 38.89        | 38.48        |
| 910           | 20.68       | -6.84        | -3.02         | -5.17         | -3.02       | -22.82      | 6.84                 | 38.79        | 38.38        |
| 920           | 21.78       | -6.62        | -2.5          | -4.65         | -2.5        | -19.3       | 6.62                 | 39.52        | 39.09        |
| 930           | 27.11       | -5.67        | -1.04         | -3.19         | -1.04       | -15.11      | 5.67                 | 40.86        | 40.33        |
| 940           | 27.77       | -5.56        | -0.37         | -2.52         | -0.37       | -14.87      | 5.56                 | 41.74        | 41.06        |
| 950           | 23.36       | -6.31        | -0.72         | -2.87         | -0.72       | -18.28      | 6.31                 | 41.57        | 40.8         |
| 960           | 17.87       | -7.48        | -1.65         | -3.8          | -1.65       | -22.64      | 7.48                 | 40.58        | 39.82        |
| 1700          | 41.83       | -3.79        | -0.06         | -2.21         | -0.06       | -20.08      | 3.79                 | 41.47        | 41.39        |
| 1720          | 50.86       | -2.94        | 0.58          | -1.57         | 0.58        | -18.35      | 2.94                 | 42.63        | 42.45        |
| 1740          | 48.96       | -3.1         | 0.36          | -1.79         | 0.36        | -17.34      | 3.1                  | 42.37        | 42.16        |
| 1760          | 49.28       | -3.07        | 0.39          | -1.76         | 0.39        | -16.93      | 3.07                 | 42.68        | 42.45        |
| 1780          | 41.57       | -3.81        | -0.17         | -2.32         | -0.17       | -17.97      | 3.81                 | 42.31        | 42.07        |
| 1800          | 44.38       | -3.53        | 0.22          | -1.93         | 0.22        | -18.02      | 3.53                 | 42.54        | 42.15        |
| 1820          | 39.79       | -4           | -0.09         | -2.24         | -0.09       | -19.2       | 4                    | 42.37        | 42           |
| 1840          | 42.49       | -3.72        | 0.34          | -1.81         | 0.34        | -18.34      | 3.72                 | 43.03        | 42.69        |
| 1860          | 48.88       | -3.11        | 0.84          | -1.31         | 0.84        | -16.68      | 3.11                 | 43.28        | 42.98        |
| 1880          | 45.67       | -3.4         | 0.18          | -1.97         | 0.18        | -16.06      | 3.4                  | 43.21        | 42.94        |
| 1900          | 50.21       | -2.99        | 0.37          | -1.78         | 0.37        | -15.82      | 2.99                 | 43.49        | 43.26        |
| 1920          | 47.25       | -3.26        | 0.61          | -1.54         | 0.61        | -15.29      | 3.26                 | 43.43        | 43.21        |
| 1940          | 43.45       | -3.62        | 0.63          | -1.52         | 0.63        | -15.54      | 3.62                 | 43.52        | 43.31        |

|      |       |       |      |       |      |        |      |       |       |
|------|-------|-------|------|-------|------|--------|------|-------|-------|
| 1960 | 55.98 | -2.52 | 1.6  | -0.55 | 1.6  | -15.59 | 2.52 | 44.2  | 43.95 |
| 1980 | 48.67 | -3.13 | 0.74 | -1.41 | 0.74 | -19.36 | 3.13 | 43.74 | 43.52 |
| 2000 | 51.29 | -2.9  | 1.29 | -0.86 | 1.29 | -20.37 | 2.9  | 44.38 | 44.23 |
| 2020 | 53.91 | -2.68 | 2.07 | -0.08 | 2.07 | -18.01 | 2.68 | 44.51 | 44.43 |
| 2040 | 52.28 | -2.82 | 2.19 | 0.04  | 2.19 | -16.65 | 2.82 | 44.5  | 44.45 |
| 2060 | 45.46 | -3.42 | 1.52 | -0.63 | 1.52 | -16.8  | 3.42 | 43.85 | 43.79 |
| 2080 | 49.4  | -3.06 | 1.58 | -0.57 | 1.58 | -15.37 | 3.06 | 44.13 | 43.97 |
| 2100 | 50.08 | -3    | 1.46 | -0.69 | 1.46 | -17.53 | 3    | 44.42 | 44.22 |
| 2120 | 64.63 | -1.9  | 2.38 | 0.23  | 2.38 | -17.14 | 1.9  | 45.21 | 45.07 |
| 2140 | 63.38 | -1.98 | 2.11 | -0.04 | 2.11 | -13.34 | 1.98 | 45.17 | 45.02 |
| 2160 | 65.38 | -1.85 | 2.53 | 0.38  | 2.53 | -11.69 | 1.85 | 45.42 | 45.31 |
| 2180 | 74.32 | -1.29 | 2.93 | 0.78  | 2.93 | -10.88 | 1.29 | 45.89 | 45.87 |
| 2200 | 69.14 | -1.6  | 2.21 | 0.06  | 2.21 | -13.34 | 1.6  | 45.54 | 45.46 |
| 2220 | 70.62 | -1.51 | 2.43 | 0.28  | 2.43 | -17.74 | 1.51 | 45.89 | 45.83 |
| 2240 | 58.62 | -2.32 | 1.6  | -0.55 | 1.6  | -20.35 | 2.32 | 45.58 | 45.54 |
| 2260 | 60.35 | -2.19 | 1.51 | -0.64 | 1.51 | -18.5  | 2.19 | 45.88 | 45.83 |
| 2280 | 59.48 | -2.26 | 1.22 | -0.93 | 1.22 | -16.68 | 2.26 | 46.04 | 46.03 |
| 2300 | 50.51 | -2.97 | 0.56 | -1.59 | 0.56 | -20.15 | 2.97 | 45.55 | 45.57 |
| 2320 | 52.8  | -2.77 | 1.39 | -0.76 | 1.39 | -26.59 | 2.77 | 45.99 | 45.93 |
| 2340 | 48.06 | -3.18 | 1.44 | -0.71 | 1.44 | -20.61 | 3.18 | 45.77 | 45.68 |
| 2360 | 48.82 | -3.11 | 1.62 | -0.53 | 1.62 | -18.58 | 3.11 | 45.81 | 45.75 |
| 2380 | 45.55 | -3.42 | 1.1  | -1.05 | 1.1  | -18.91 | 3.42 | 45.6  | 45.48 |
| 2400 | 45.11 | -3.46 | 0.84 | -1.31 | 0.84 | -22.98 | 3.46 | 45.87 | 45.75 |
| 2420 | 44.58 | -3.51 | 0.73 | -1.42 | 0.73 | -19.08 | 3.51 | 46.26 | 46.25 |
| 2440 | 52.32 | -2.81 | 1.48 | -0.67 | 1.48 | -14.99 | 2.81 | 46.84 | 46.78 |
| 2460 | 50.12 | -3    | 1.26 | -0.89 | 1.26 | -13.25 | 3    | 46.97 | 46.88 |
| 2480 | 51.77 | -2.86 | 1.49 | -0.66 | 1.49 | -13.3  | 2.86 | 47.4  | 47.28 |
| 2500 | 53.03 | -2.75 | 1.96 | -0.19 | 1.96 | -12.97 | 2.75 | 47.31 | 47.13 |
| 2520 | 58.3  | -2.34 | 2.83 | 0.68  | 2.83 | -13.67 | 2.34 | 47.54 | 47.41 |
| 2540 | 66.78 | -1.75 | 3.76 | 1.61  | 3.76 | -16.2  | 1.75 | 48.18 | 48.16 |
| 2560 | 66.8  | -1.75 | 3.91 | 1.76  | 3.91 | -20.42 | 1.75 | 47.86 | 47.8  |
| 2580 | 81.58 | -0.88 | 4.49 | 2.34  | 4.49 | -22.96 | 0.88 | 48.72 | 48.57 |
| 2600 | 82.83 | -0.82 | 4.08 | 1.93  | 4.08 | -19.42 | 0.82 | 48.52 | 48.43 |
| 2620 | 77.43 | -1.11 | 3.53 | 1.38  | 3.53 | -15.49 | 1.11 | 47.88 | 47.79 |
| 2640 | 73.13 | -1.36 | 3.13 | 0.98  | 3.13 | -14.97 | 1.36 | 47.74 | 47.6  |
| 2660 | 80.34 | -0.95 | 3.52 | 1.37  | 3.52 | -19.89 | 0.95 | 47.86 | 47.74 |
| 2680 | 85.1  | -0.7  | 3.6  | 1.45  | 3.6  | -20.97 | 0.7  | 47.95 | 47.84 |
| 2700 | 87.23 | -0.59 | 3.64 | 1.49  | 3.64 | -22.07 | 0.59 | 48.31 | 48.19 |

| Frequency | 3D                                                                                                        | E1                                                                                                           | E2                                                                                                            | H                                                                                                             |
|-----------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 824MHz    | <b>820.000MHz</b><br>    | <b>820.000MHz E1</b><br>    | <b>820.000MHz E2</b><br>    | <b>820.000MHz H</b><br>    |
| 960MHz    | <b>960.000MHz</b><br>    | <b>960.000MHz E1</b><br>    | <b>960.000MHz E2</b><br>    | <b>960.000MHz H</b><br>    |
| 1900MHz   | <b>1900.000MHz</b><br>   | <b>1900.000MHz E1</b><br>   | <b>1900.000MHz E2</b><br>   | <b>1900.000MHz H</b><br>   |
| 2500MHz   | <b>2500.000MHz</b><br> | <b>2500.000MHz E1</b><br> | <b>2500.000MHz E2</b><br> | <b>2500.000MHz H</b><br> |

## 5 Product Size

[illegible]