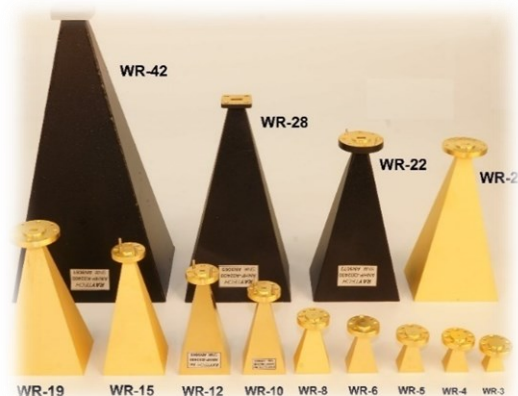


### ANHP-XX24

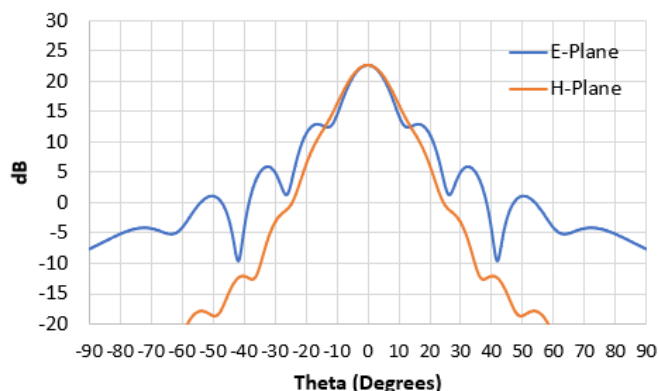
Standard Gain Horn, 24 dBi Gain



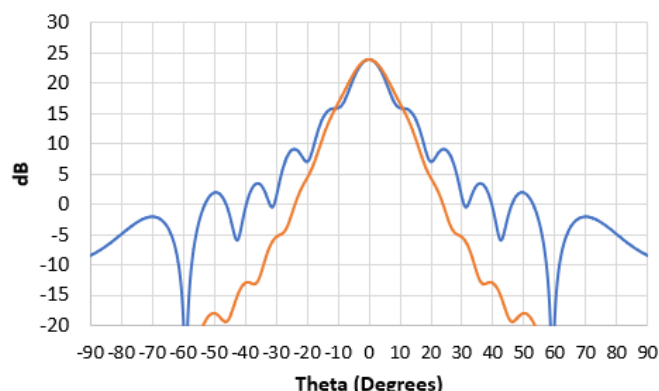
#### Electrical Specification

| FREQUENCY BAND        | Ku      | K       | Ka      | Q     | U     | V      | E     | W      | F      | D       | G       | H       | J       |
|-----------------------|---------|---------|---------|-------|-------|--------|-------|--------|--------|---------|---------|---------|---------|
| Frequency Range (GHz) | 12.4-18 | 18-26.5 | 26.5-40 | 33-50 | 40-60 | 50-75  | 60-90 | 75-110 | 90-140 | 110-170 | 140-220 | 170-260 | 220-325 |
| Waveguide Size        | WR-62   | WR-42   | WR-28   | WR-22 | WR-19 | WR-15  | WR-12 | WR-10  | WR-8   | WR-6    | WR-5    | WR-4    | WR-3    |
| VSWR (max)            | 1.10:1  |         |         |       |       | 1.15:1 |       |        |        | 1.25:1  |         |         |         |
| Mid-band Gain (dBi)   | 24      |         |         |       |       |        |       |        |        |         |         |         |         |

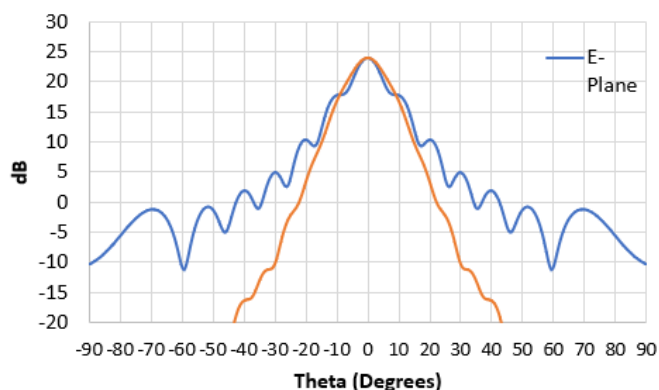
Radiation Pattern: Fc-20% Bandwidth



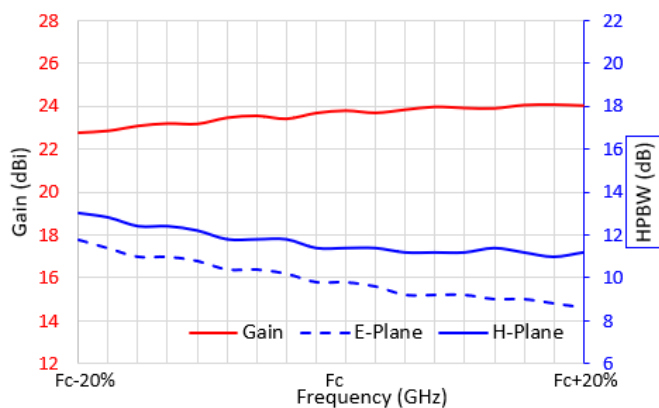
Radiation Pattern: Fc



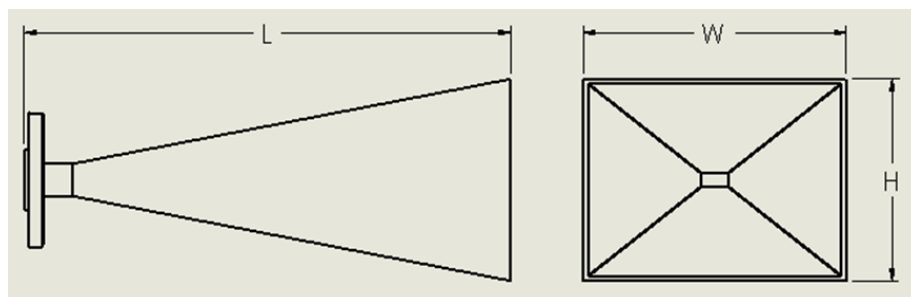
Radiation Pattern: Fc+20% Bandwidth



ANHP-XX24 Series



### Outline



| PYRAMIDAL HORNS WITH RECTANGULAR WAVEGUIDE INPUT, inches [mm] |                |                                  |                |                    |              |              |
|---------------------------------------------------------------|----------------|----------------------------------|----------------|--------------------|--------------|--------------|
| Frequency Band                                                | Waveguide Size | Waveguide Dimension              | Flange Pattern | Outline Dimensions |              |              |
|                                                               |                |                                  |                | W                  | H            | L            |
| Ku                                                            | WR-62          | 0.622 X 0.311<br>[0.00 X 7.90]   | UG-419/U       | 5.63 [143.1]       | 4.30 [109.1] | 9.89 [251.2] |
| K                                                             | WR-42          | 0.420 X 0.311<br>[0.00 X 7.90]   | UG-595/U       | 4.02 [102.0]       | 3.02 [76.6]  | 7.44 [189.0] |
| Ka                                                            | WR-28          | 0.280 X 0.140<br>[0.00 X 3.56]   | UG-599/U       | 2.74 [69.6]        | 2.09 [53.1]  | 5.24 [133.0] |
| Q                                                             | WR-22          | 0.224 X 0.112<br>[0.00 X 2.84]   | UG-383/U       | 2.22 [56.3]        | 1.70 [43.1]  | 4.27 [108.5] |
| U                                                             | WR-19          | 0.188 X 0.094<br>[0.00 X 2.39]   | UG-383/U       | 1.87 [47.5]        | 1.44 [36.4]  | 3.41 [86.6]  |
| V                                                             | WR-15          | 0.148 X 0.074<br>[0.00 X 1.88]   | UG-385/U       | 1.43 [36.4]        | 1.10 [28.0]  | 2.58 [65.5]  |
| E                                                             | WR-12          | 0.122 X 0.061<br>[0.00 X 1.55]   | UG-387/UM      | 0.70 [17.7]        | 0.52 [13.1]  | 2.21 [56.1]  |
| W                                                             | WR-10          | 0.100 X 0.050<br>[0.00 X 1.27]   | UG-387/UM      | 1.01 [25.6]        | 0.78 [19.8]  | 1.75 [44.5]  |
| F                                                             | WR-8           | 0.080 X 0.040<br>[0.00 X 1.02]   | UG-387/UM      | 0.83 [21.0]        | 0.65 [16.4]  | 1.40 [35.6]  |
| D                                                             | WR-6           | 0.0650 X 0.0325<br>[0.00 X 0.83] | UG-387/UM      | 0.71 [18.1]        | 0.56 [14.2]  | 1.20 [30.5]  |
| G                                                             | WR-5           | 0.0510 X 0.0255<br>[0.00 X 0.65] | UG-387/UM      | 0.60 [15.2]        | 0.47 [12.0]  | 0.98 [24.9]  |
| H                                                             | WR-4           | 0.0430 X 0.0215<br>[0.00 X 0.55] | UG-387/UM      | 0.52 [13.2]        | 0.41 [10.5]  | 0.88 [22.4]  |
| J                                                             | WR-3           | 0.0340 X 0.0170<br>[0.00 X 0.43] | UG-387/UM      | 0.37 [9.4]         | 0.28 [7.1]   | 0.69 [17.5]  |