

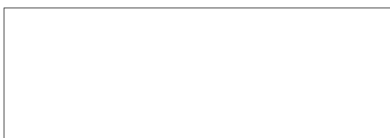
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| DOC | 02 | REV DATE | 1 MAY 1960 | BY | 018373 |
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| JUST | 22 | NEXT REV | 2010 | AUTH: | HR 70-2 |

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Attention:



Dear Sir:

This letter confirms my technical representative's telephone conversation with you on 13 April 1960, regarding the development of a quantity of special logarithmically periodic antennas. Following is a brief summary of the technical requirements presented by my representative.

| | |
|------------------------|--|
| Frequency coverage | 1 to 10 Kmc |
| Impedance | 50 ohms unbalanced |
| VSWR | Less than 3:1 |
| Gain | 6 db/dipole |
| Beamwidth | Symmetrical in azimuth and vertical plane for future mounting in circular parabolic reflectors |
| Polarization | Linear with provision for manual change from horizontal to vertical. |
| Loading Considerations | Seventy mile per hour winds with 1/4 inch radial ice load |

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Mounting

Auxiliary mount to be provided to allow mounting of antenna on a three inch O.D. mast

Quantity Required

Five each

In accordance with my representative's conversation, we will be pleased to receive a technical proposal and cost analysis for the development and fabrication of these antennas on a cost plus fixed fee basis. If you elect to submit a proposal, please submit the proposal and cost analysis not later than 2 May 1960. Whether or not you submit a proposal, please return this letter to the above address.

Very truly yours,



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Distribution:

Original and 1 - Addressee

R+D Subject File

EP Chrono

[Handwritten initials]
OC-E/R+D-EP/JMB:mjr (14 April 1960)