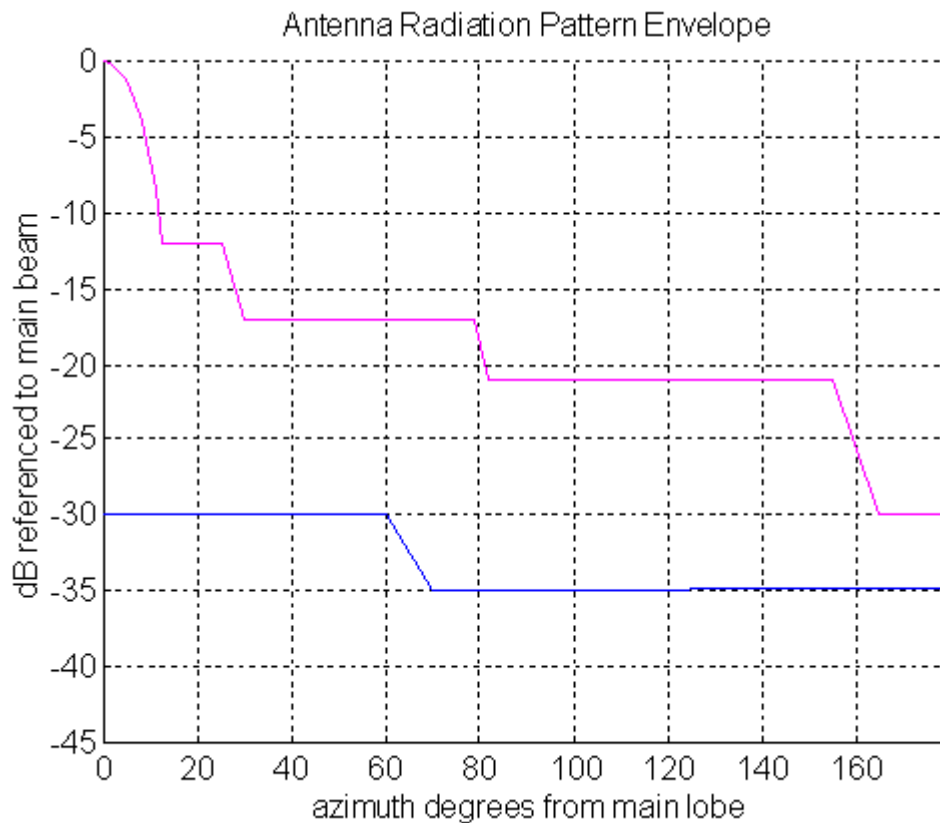


## ANNEX A TO APPENDIX 8: 1.5 GHz DRCS Outstation Characteristics

This annex to Appendix 8 of the RALI FX-3 provides information intended for use in DRCS (customer) outstation coordination with 1.5 GHz point-to-point links. In cases where specific outstation equipment characteristics and antenna characteristics are not available, the following equipment and antenna parameters are to be used.

Modulation	4 QAM
Capacity	2 Mb/s
Channel spacing	2 MHz
Feeder loss	2 dB
Max Tx output power	+30 dBm
Receiver IF bandwidth	1.5 MHz
Receiver noise figure	3.5 dB
Rx input level for BER= $10^{-3}$	-93 dBm
Antenna type	0.8 m grid
Antenna half power beamwidth	13 degrees
On-axis gain	20.3 dBi

**Table 1. 1.5 GHz DRCS outstation equipment characteristics**



**Figure 1. DRCS outstation<sup>1</sup> antenna RPE**

<sup>1</sup> NOTE: Individual outstations may and often do employ antennas different to that described in this Annex. However, where specific antenna data is unavailable, the RPE described in this Annex should be used.