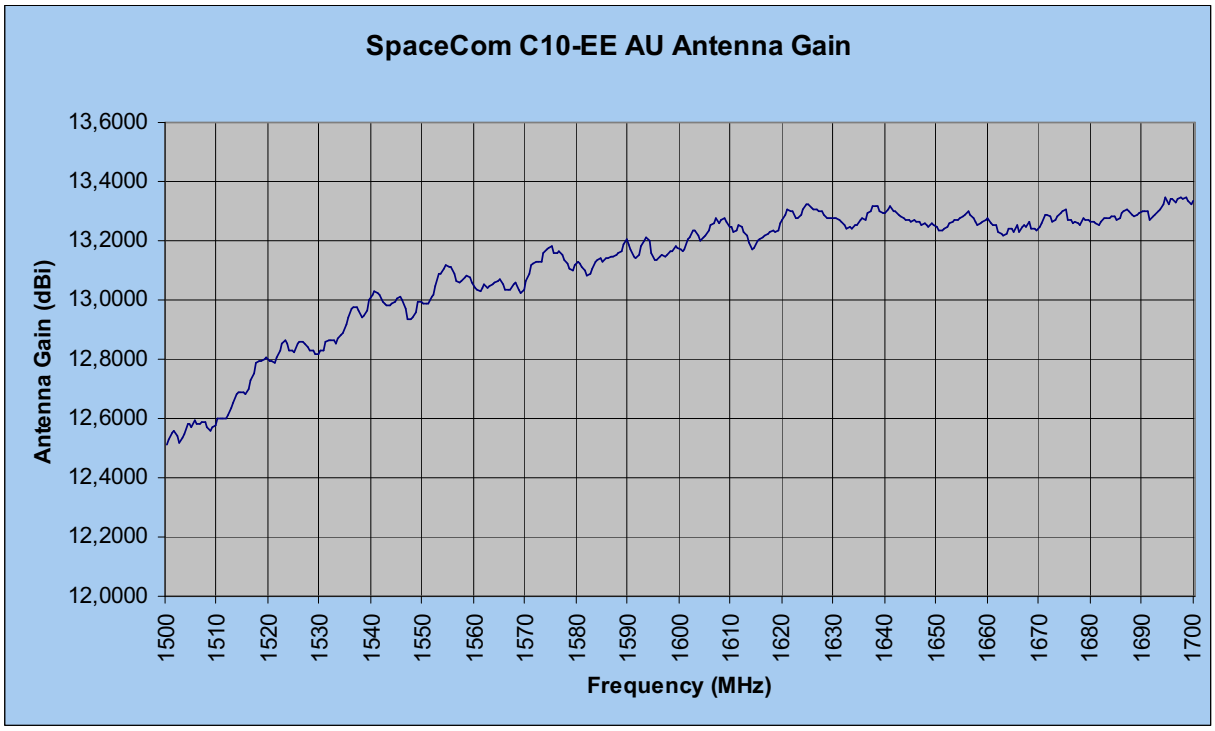

Figure 5: SpaceCom C10-EE Antenna Gain (1500-1700MHz).

Table 2 lists the measured gain G1[dB] for 6 frequencies, corrected with the maximum radome loss. G1[dB] is a value used in the calculation of G/T and EIRP.

G1[dB] = measured gain value - radome loss [dB]

where

- Measured gain value is seen on Figure 5 (where 0.40-0.45dB has been added to compensate for the used 2:1 power combiner).
- radome loss < 0.1 dB, determined from previous experience (Mini-M, F77).

Frequency [MHz]	Antenna Gain G1[dB] Minimum
1241.0	6.73
1258.0	8.89
1275.0	9.53
1400.0	10.41
1525.0	12.72
1542.0	12.89
1559.0	12.98
1626.5	13.21
1643.5	13.18
1660.5	13.16

Table 2: The measured Antenna gain for the SpaceCom C10-EE antenna.