

March 19th, 2020

PROCUREMENT OF VERY WIDEBAND OPTICAL LINKS: REQUEST FOR INFORMATION

In view of procuring 1-18GHz optical links INAF is finalizing a statement of work where a lot of technical requirements will be specified.

In order to be aligned with what the market can provide, we ask for a response regarding three of these requirements:

Question1) Group delay

Can the Company provide a “linear phase” (i.e. phase vs frequency practically constant through the band of interest) link and give a rough estimate about the spread among the production of 40 links?

Question2) SSB phase noise

Is the Company experienced in this kind of measurement and able to provide a measure at a frequency offset with respect of carrier of 10Hz at least?

Question3) Phase stability

Is the Company able to provide an estimate on how much its link can perform, in term of max degree rms within 1 sec integration, in the band of interest?

Please reply to the Questions with a brief description.