

*Codifica documento*

*Revisione*

*Tipo documento*

*Denominazione gara*

*Tipo di procedura*

*Atto di avvio*

*Importo a base di gara*

*CUP*

*CIG*

**RFOF-FAQ**

**01**

***FAQ - risposte ai quesiti degli operatori economici***

*Fornitura di 40 moduli in fibra ottica a larga banda per il collegamento dei ricevitori ad alta frequenza del Sardinia Radio Telescope ai back-end di acquisizione e processing dei segnali radio astronomici*

**Procedura aperta** ai sensi dell'art. 60 d.lgs. 18 aprile 2016, n. 50, e s.m.i.

**Determinazione n. 242 – 3 dicembre 2020**

**€ 700.000,00**

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Come previsto dal Disciplinare di gara **RFoF-TSP-1**, con la presente nota si rappresentano le richieste di chiarimento pervenute e le risposte fornite dalla stazione appaltante al fine di garantire la massima trasparenza e nel rispetto del principio generale di par condicio tra i concorrenti.

**Q\_1** *The SOW (RFoF SOW 01, pg. 5) states a link gain of 14 dB +/- 2dB. We understand the importance of gain flatness across the frequency band, 1-18 GHz. Question: Does this mean 12 dB minimum to 16 dB maximum acceptable range for the gain over the 1-18 GHz band or is it minimum average gain of 14 dB with maximum +/- 2 dB gain variation over the 1-18 GHz frequency range ? Must the total gain be at 14 dB or can it be as high as 22 dB while still maintaining a relative flatness of +/- 2 dB across the frequency spectrum?*

**A\_1** The specification you refer must be intended that the gain trend for all 40 modules have to fall in the 12 to 16 dB range over the 1-18GHz bandwidth. Thus, it is intended to be both a flatness and a repeatability over production. In principle, it should be allowed a constant  $G=12\text{dB}$  or  $G=16\text{dB}$  or  $G=14\text{dB}$  and so on, through band. More realistically, you will get variable gain vs frequency, as long as within the specified range. This also answer the last question. The gain cannot be as high as 22 dB, as well as any value outside the specified range.