



ΕΛΛΗΝΙΚΗ ΑΕΡΟΠΟΡΙΚΗ ΒΙΟΜΗΧΑΝΙΑ Α.Ε.
ΠΡΟΜΗΘΕΙΑ ΕΞΟΠΛΙΣΜΟΥ ΑΝΑΛΥΤΗ ΦΑΣΜΑΤΟΣ
ΠΑΡΑΡΤΗΜΑ Α – ΤΕΧΝΙΚΕΣ ΠΡΟΔΙΑΓΡΑΦΕΣ ΠΡΟΜΗΘΕΙΑΣ

Frequency		Supplemental information
Range	9 kHz to 4 GHz	AC coupled
Resolution	1 Hz	

Frequency reference	Option PFR	Standard
Nominal frequency	10 MHz	10 MHz
Aging rate	$\pm 1 \times 10^{-7}/\text{Year}$	$\pm 1 \times 10^{-6}/\text{Year}$
Temperature stability		
20 °C to 30 °C	$\pm 1.5 \times 10^{-8}$	
5 °C to 45 °C	$\pm 5 \times 10^{-8}$	$\pm 1 \times 10^{-6}$
Achievable initial calibration accuracy	$\pm 4 \times 10^{-8}$	$\pm 1 \times 10^{-6}$

Frequency readout accuracy (start, stop, center, marker)	
Marker resolution	$(\text{frequency span})/(\text{number of sweep point} - 1)$
Uncertainty	$\pm (\text{freq indication} \times \text{freq reference uncertainty } 1 + 1\% \times \text{span} + 20\% \times \text{resolution bandwidth} + \text{marker resolution} + 1 \text{ Hz})$
Sweep point	461, fixed

Marker frequency counter		
Resolution	1 Hz	
Accuracy	$\pm [(\text{marker freq} \times \text{freq reference uncertainty } 1) + (\text{counter resolution})]$	RBW/Span ≥ 0.02 Marker level to displayed noise level $> 25 \text{ dB}$, frequency offset = 0 Hz