

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes, Field Removable connector
- Compact/Rugged Thin-Film Construction

APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	26.5		40	GHz
Gain	45			dB
Gain Flatness		±3.5	±5	dB
Noise Figure				dB
Output Power (Psat)	47			dBm
Spurious Signals		-60		dBc
Harmonics				dBc
VSWR			2:1	Ratio
Input Voltage		220V AC		
Human-computer Interface	LCD display information:FWD Power, Temperature, Voltage, Current			
Program Control Interface	RS232 and Ethernet			

Note:1.Pulse work style:Duty Cycle:30%(Min). rise time:150ns(Type) delay time:800ns(Max),
Repetition frequency :1MHz(Max)

2.Over Temperature Protection; Over Voltage Protection; Over Current Protection;
Over REV VSWR Protection

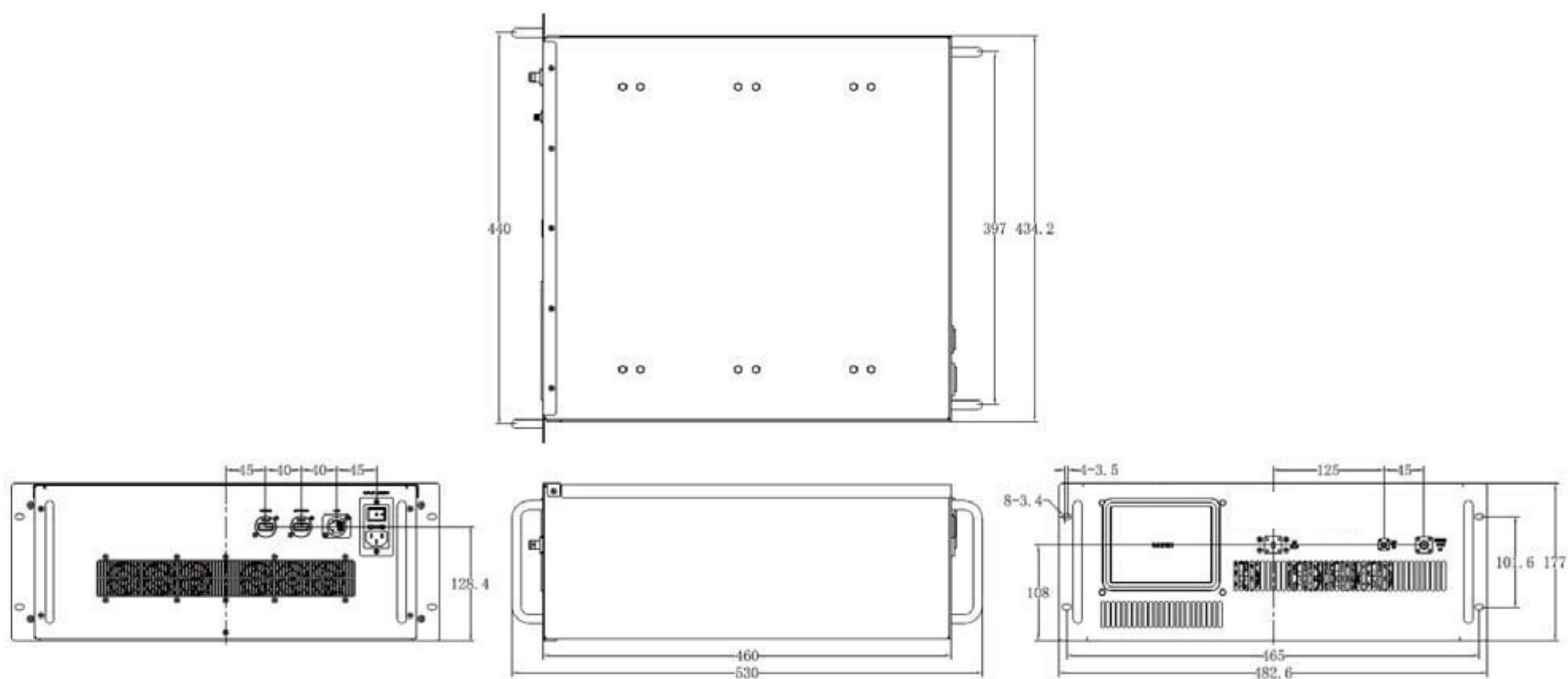
ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power		5		dBm
Operating Temperature	-20		+50	°C
Non-operating Temperature	-20		+70	°C
Relative humidity (non-condensing)		90		%
Altitude		TBD		feet
Shock / Vibration		TBD		

MECHANICAL SPECIFICATIONS:

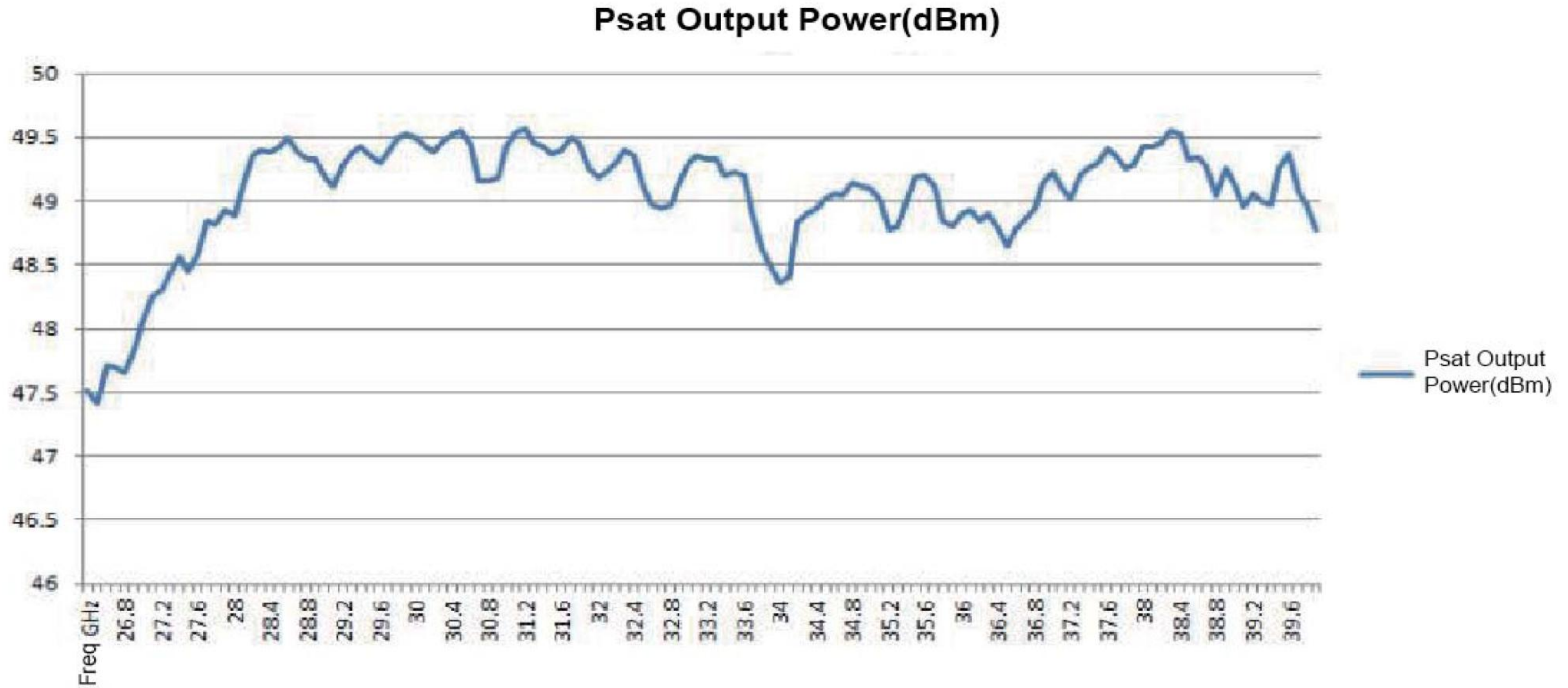
Parameter	Value	Limits	Units
Dimensions	4U		Milimeter
Weight	12		Kg
RF Connectors Input	2.92mm-F		
RF Connectors output	WR28		
Impedance			ohms

OUTLINE DRAWING(mm):



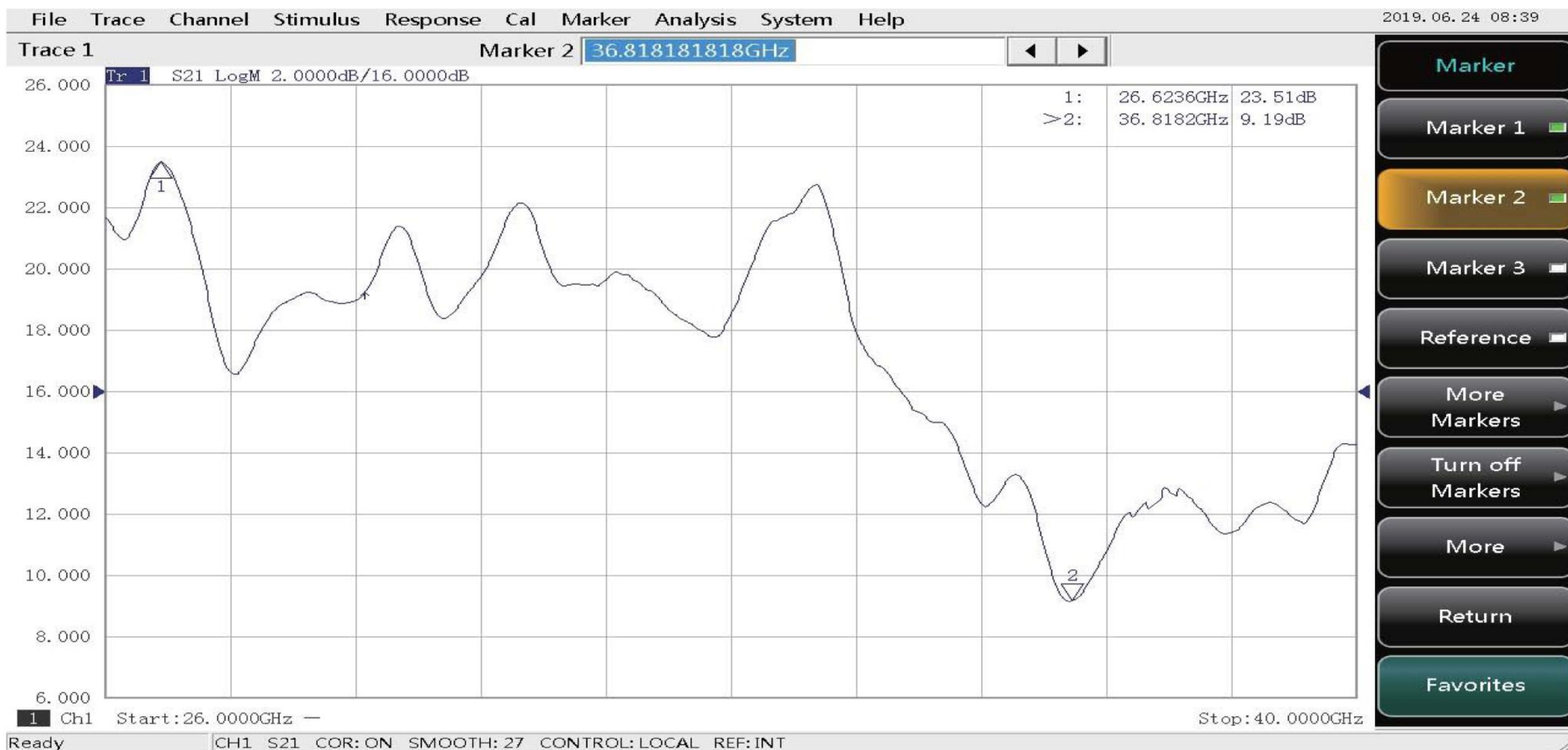
TEST DATA:

1.Psat Output Test



2.Small Signal Gain Test

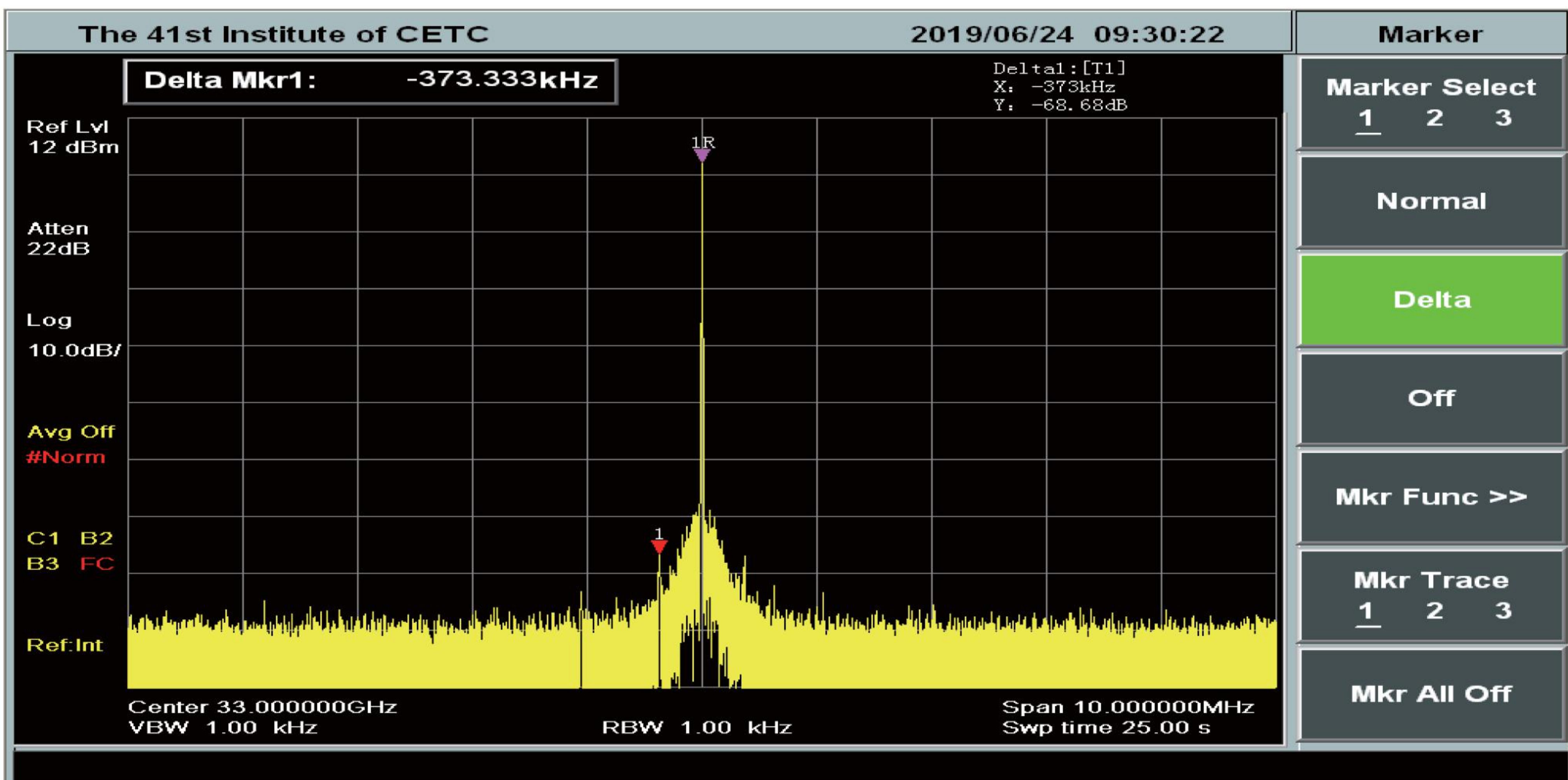
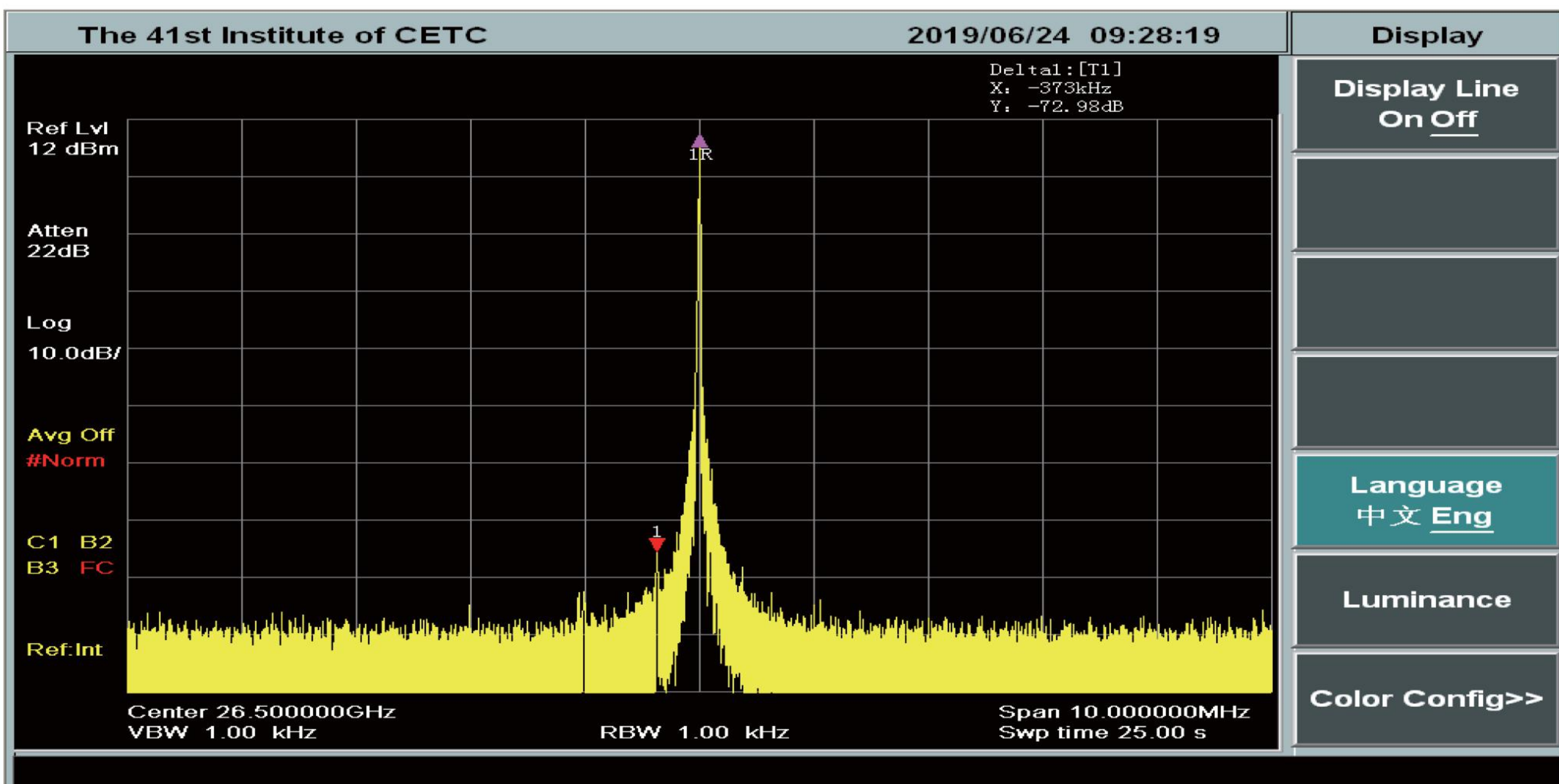
Max	62.9dB
Min	49.95 dB
Small Signal Gain Flatness	±6.475

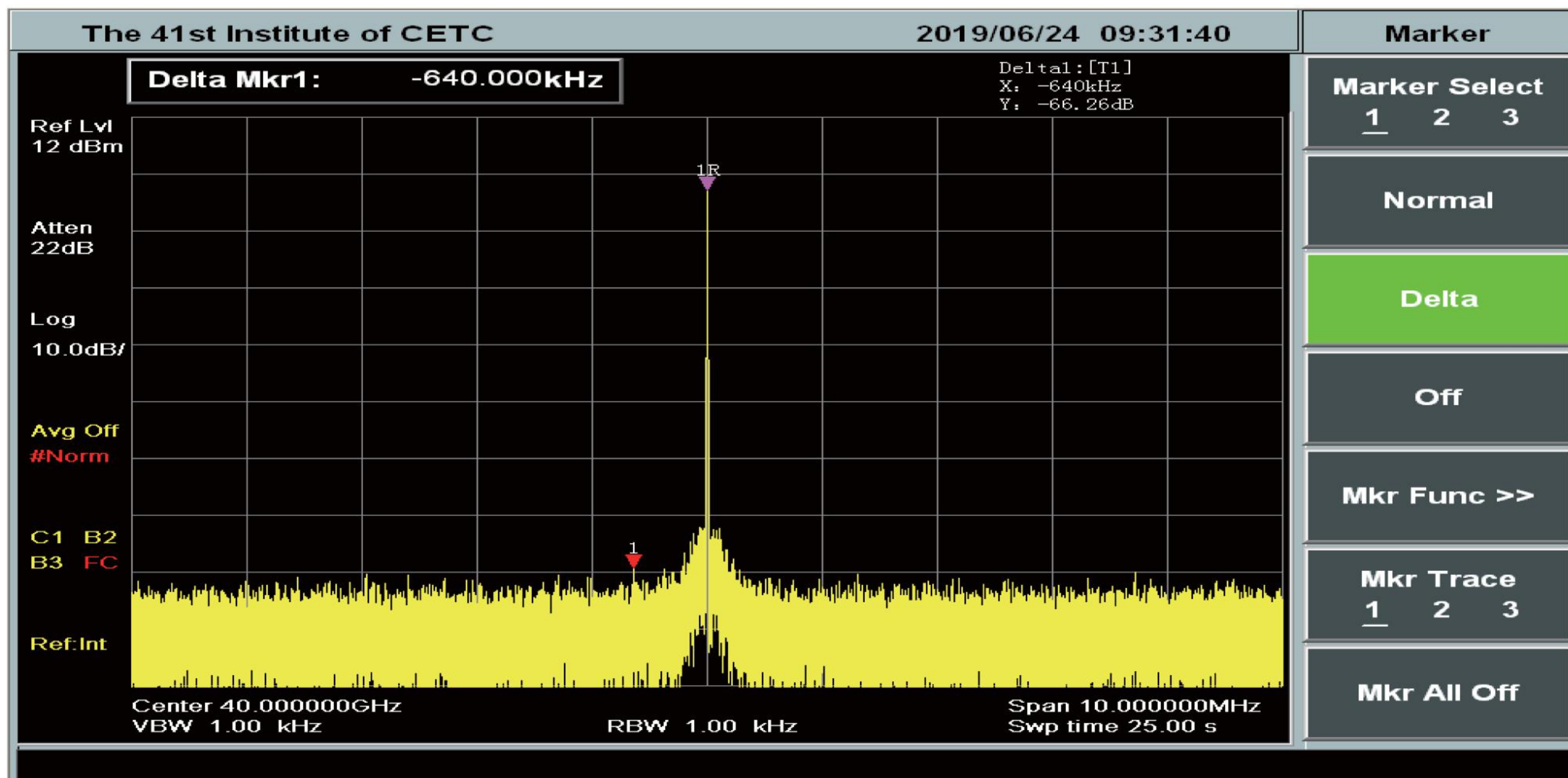


Gain Test Output Connected with 40dB Coupler

3. Spurious and second harmonic

Freq (GHz)	Spurious (dBc)
26.5	-72.98
33	-68.68
40	-66.26





4.VSWR

Freq(GHz)	
MAX@26.13	1.87
MIN@33.31	1.66

