1352 Blue Oaks Blvd Suite 140
Roseville CA 95678 (916) 773-4424

Wright Technologies Inc.

Broadband Frequency Operation

PERFORMANCE DATA | **RoHS COMPLIANT** | **ASX40B-220** | **Serial # 0041**

FEATURES

* 10.0 - 20.0 GHz Frequency Input
* 20.0 - 40.0 GHz Frequency Output
* X2 Frequency Multiplication
* Harmonics: 20.00 dBc Min
* Output Power: 20.00 dBm Min
* 50 Ohm Input and Output Matched
* -20 to +75 °C Operating Temperature
* Unconditionally Stable
* Single DC Bias Supply
* Built-in DC Voltage regulation
* Small Size and Weight, Yet Robust

APPLICATIONS

Laboratory Applications
R&D Lab Use
Radar Systems
Electronic Warfare
Telecom Infrastructure
Test Instrumentation
Military and Space
Communications Systems
Satellite Communications
Wireless Communications
Microwave Radio Systems
Power Amplifier
General Purpose Amplifier
RF Front Ends
Fiber Optic Interface

Freq. In GHz	Freq. Out GHz	Harmonics dBc	Input Power dBm	P Out dBm
10.00	20.00	21.42	10.00	21.22
12.50	25.00	33.71		21.52
15.00	30.00	55.57		21.99
17.50	35.00	40.82		22.80
20.00	40.00	29.75	↓	22.14
	Min	21.42	10.00	20.60
	Max	56.10	16.00	22.93
	Spec	20.00 Min	10.0 - 16.0	20.00 Min

Bias @ +12.0 V, IT = 410 mA
500 mA Typ

All Measurements Taken at 25°C Ambient Room

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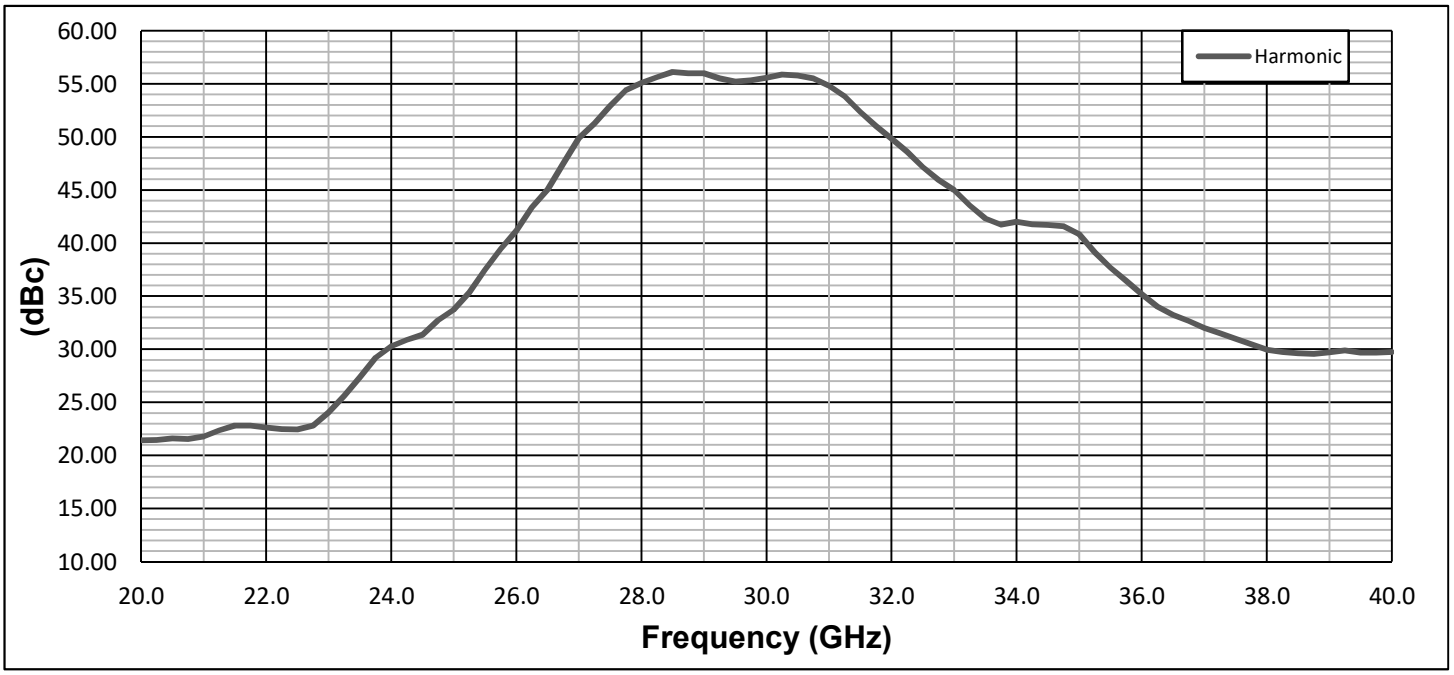
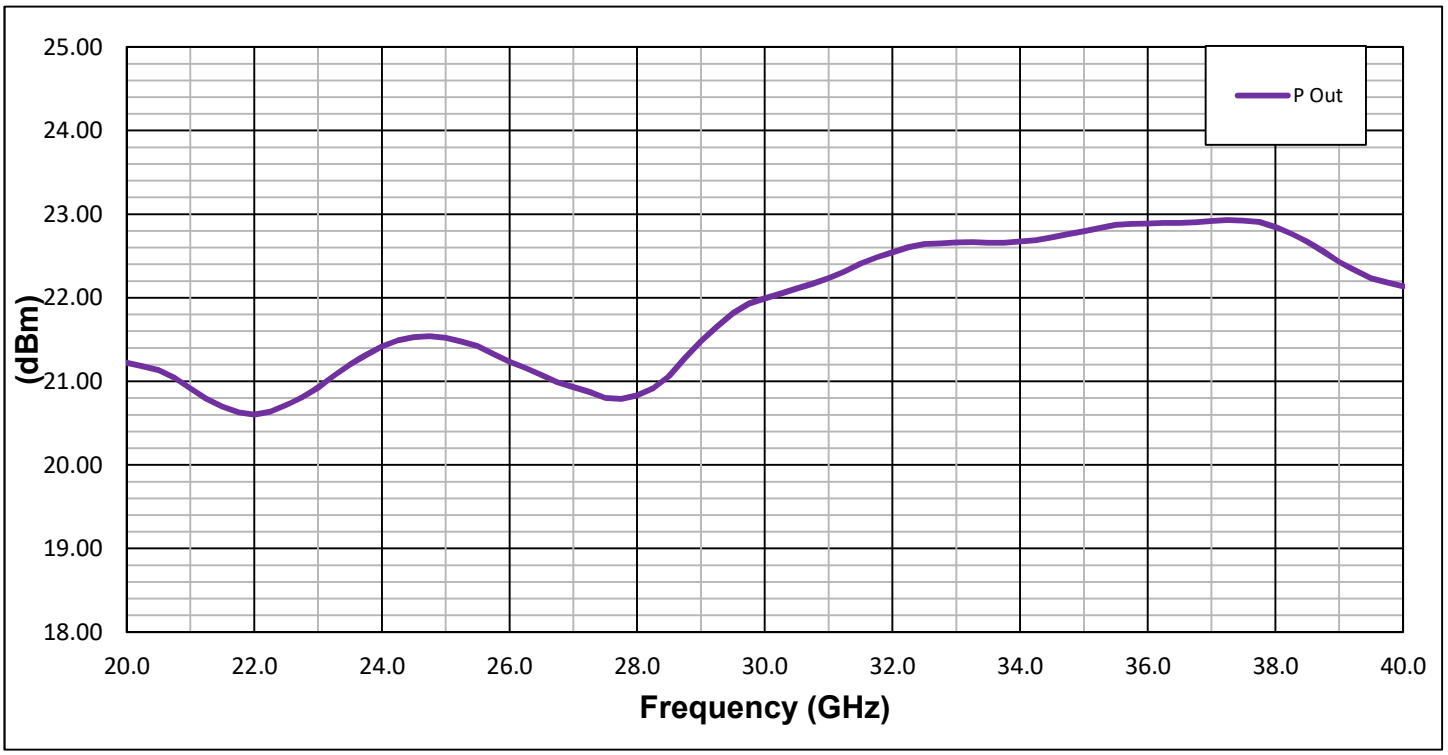
DATA PLOTS

RoHS COMPLIANT

ASX40B-220
Serial # 0041

Harmonics



Power Out