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

Wright Technologies Inc.

Broadband Frequency Operation

PERFORMANCE DATA | **RoHS COMPLIANT** | **ASX40B-217L** | **Serial # 0007**

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: 17.00 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

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

Freq. In GHz	Freq. Out GHz	Harmonics @ 0dBm In dBc	P Out @ 0dBm In dBm	Harmonics @ 10dBm In dBc	P Out @ 10dBm In dBm
10.00	20.00	28.37	20.13	22.37	20.29
12.50	25.00	40.07	20.45	36.59	20.58
15.00	30.00	60.81	22.16	57.38	22.19
17.50	35.00	46.74	21.99	41.59	22.07
20.00	40.00	27.32	20.59	25.55	20.68
	Min	27.32	19.78	22.23	19.90
	Max	63.87	22.33	58.76	22.33
	Spec	20.00 Min	17.00 Min	20.00 Min	17.00 Min

Bias @ +12.0 V, IT = 370 mA
575 mA Typ

All Measurements Taken at 25°C Ambient Room

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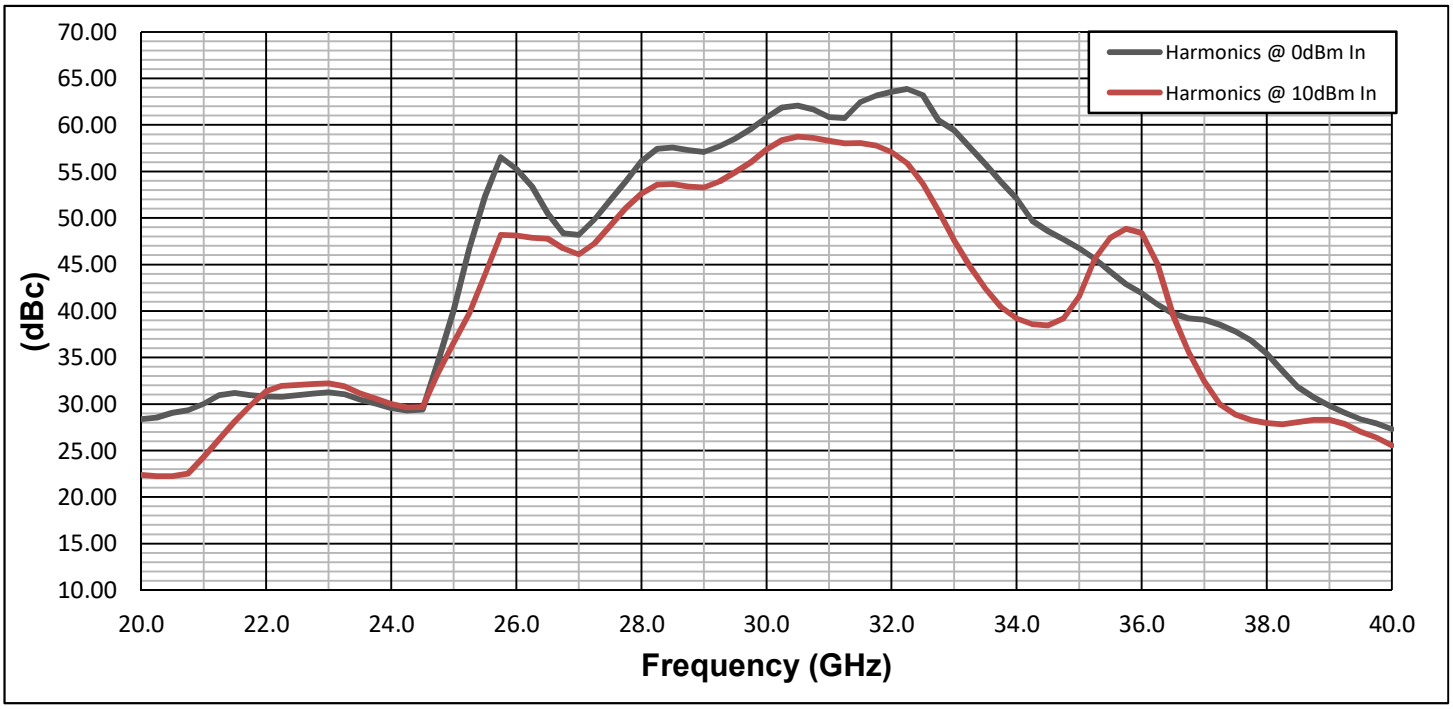
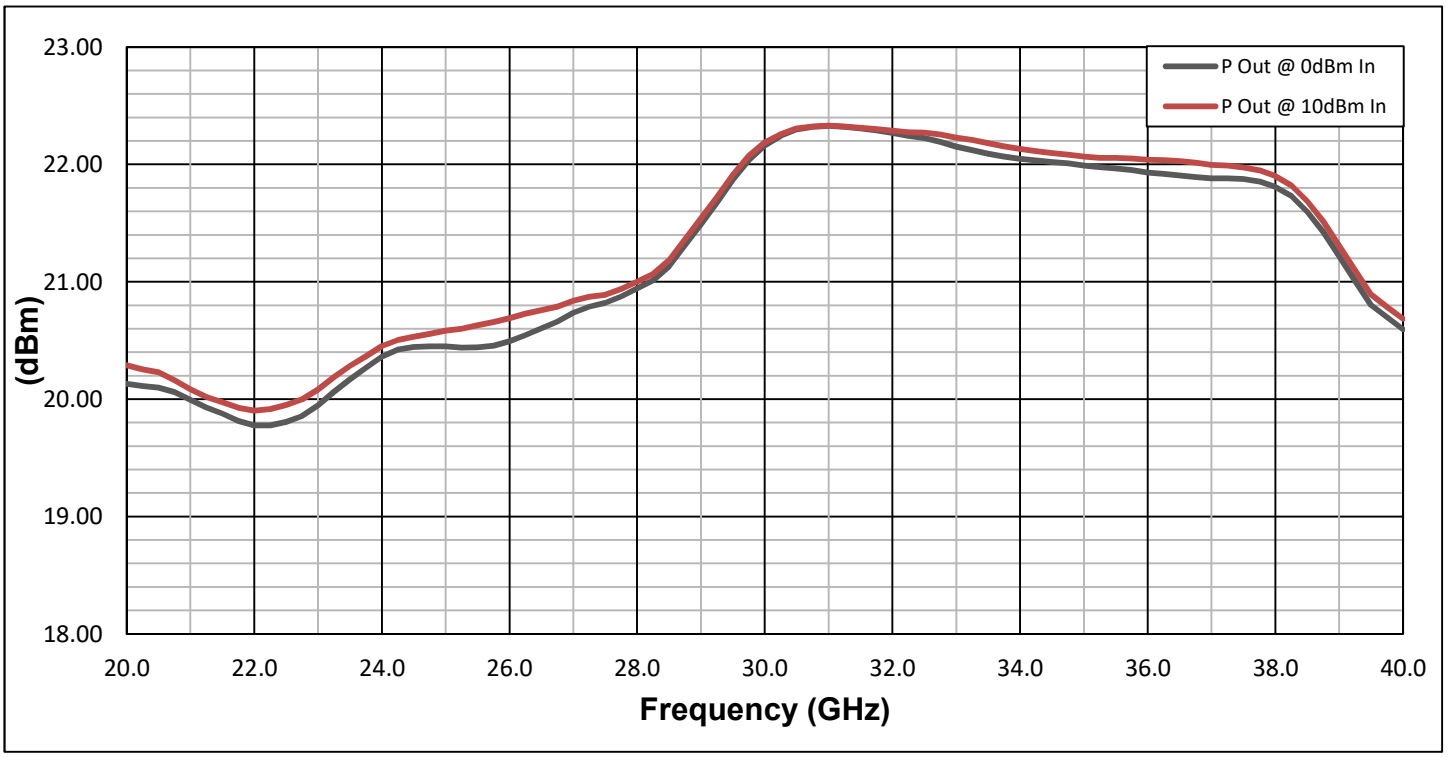
DATA PLOTS | **RoHS COMPLIANT** | **ASX40B-217L** | **Serial # 0007**

Harmonics



Power Out