

22580 TuneUp

RF Characteristic BC 2015-12-04 12:00:41

Log-File

Used nucleus: 1H

Performing RF Characteristic Measurement for RFPK2204 / BC / 1H

Performing Automatic RF Calibration

Searching for Calibration Voltage Output of 566 Volts

Calibration Voltage Search

	Linear Characteristic Input	Voltage from TALES
Step 1	100.000	115.932
Step 2	177.643	262.892
Step 3	218.607	364.719
Step 4	242.736	421.677
Step 5	292.583	525.598
Step 6	306.077	551.234
Step 7	310.997	559.413

RF Calibration

	Value	Unit
Linear Characteristic Input	311.0	V
DICO ADC	13483	
TALES Voltage	559.4	V

Performing Maximum RF Power Search Measurements

Searching for Maximum RF Power 12200 Watts

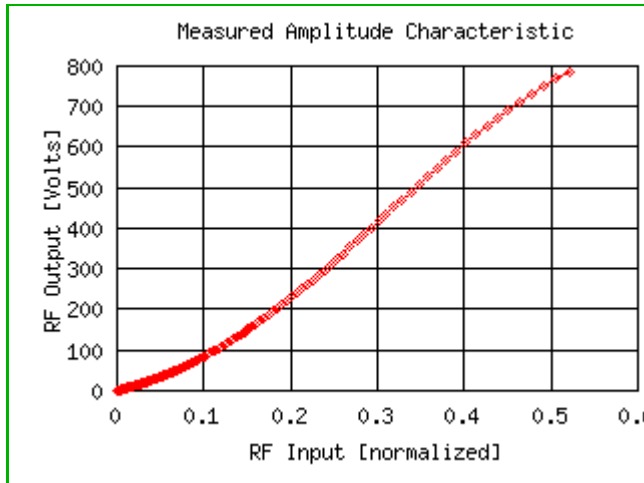
RF Max Power Search

	Linear Characteristic Input	DICO ADC	Calculated Volt	Calculated Power
Step 1	310.997	13654.232	566.525	6419.004
Step 2	383.205	17234.834	715.087	10226.978
Step 3	405.926	18457.596	765.820	11729.604

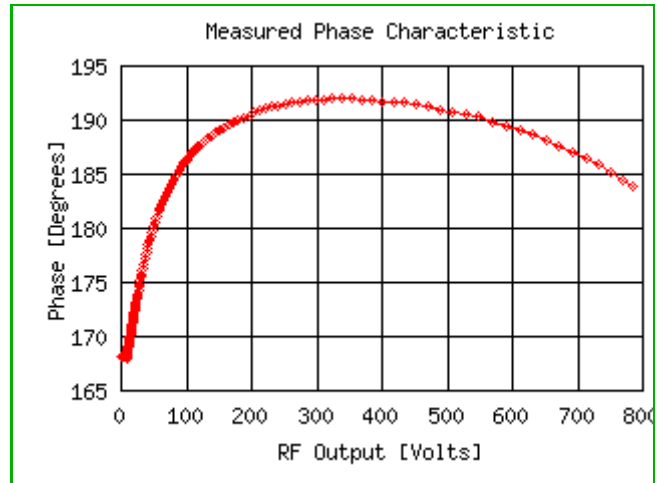
Step 4	412.266	18738.955	777.494	12089.932
Step 5	416.646	18892.814	783.878	12289.278

Performing RF Characteristic Measurement

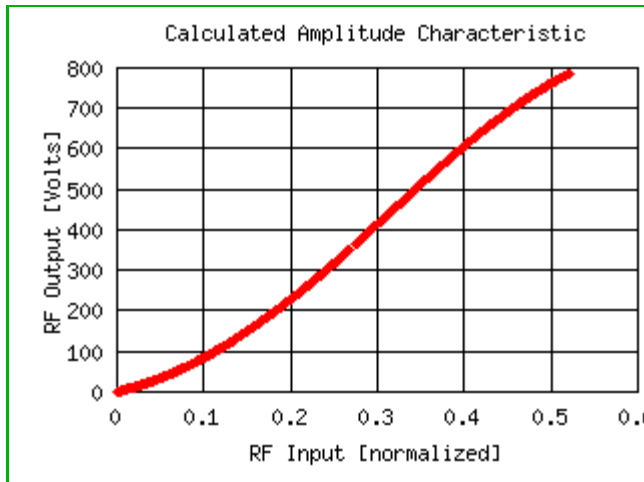
Measured Amplitude Characteristic for RFPK2204 / BC / 1H



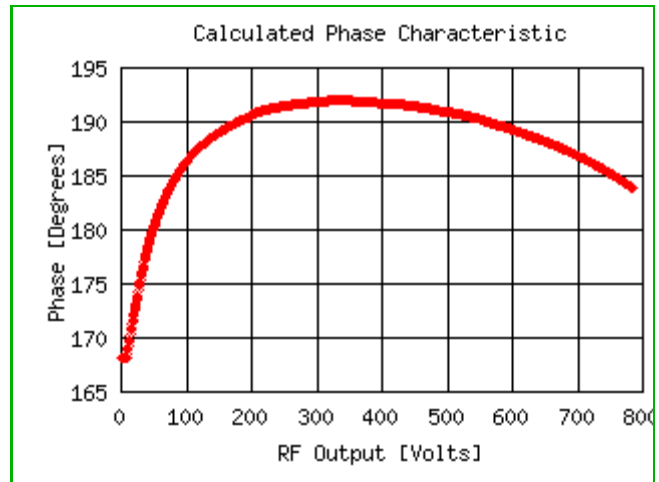
Measured Phase Characteristic for RFPK2204 / BC / 1H



Calculated Amplitude Characteristic for RFPK2204 / BC / 1H



Calculated Phase Characteristic for RFPK2204 / BC / 1H



Save of RF Characteristic

	Value
File Name	%MEASDAT%\RFChara_RFPK2204_BC_1H.dat
Number of points	1024
Max output voltage	785.16 V
RF Chara frequency	63683960 Hz
DICO Conversion	0.04

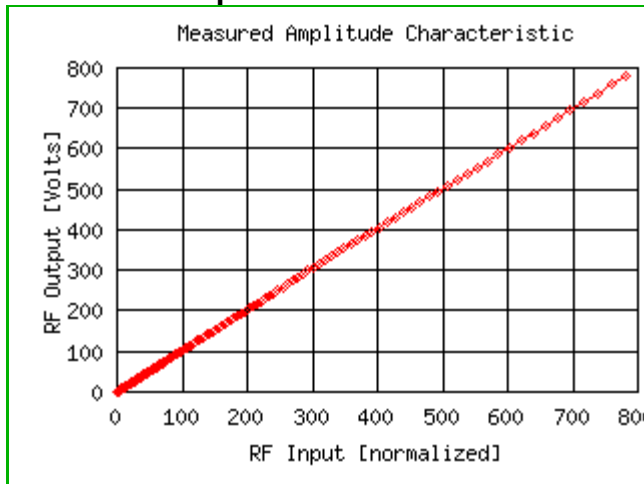
RF Chara version	R 2004A
RF Chara date	Fri Dec 04 12:01:43 2015

Performing RF Verify measurement

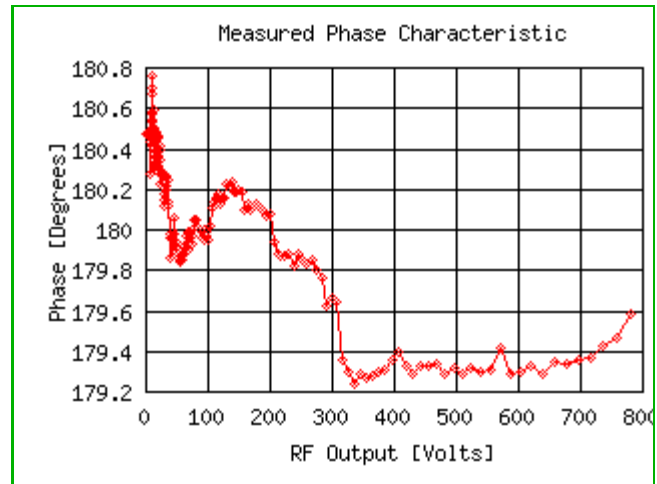
RF Verify Measurement

	Value
Input Voltage	781.02 V
Output Voltage	781.42 V
Calculated Power	12212.3 W

Measured Amplitude Characteristic



Measured Phase Characteristic

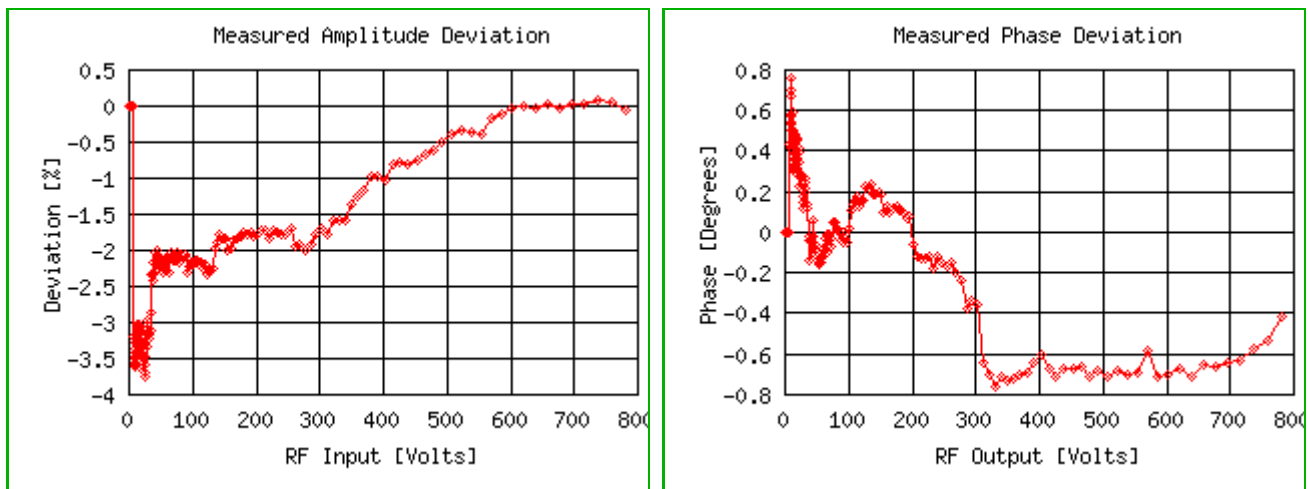


RF Verify Results

	Value	Low Spec	High Spec	Unit
Maximum Amplitude Deviation	3.74	0.00	5.00	%
PeakPeak Phase Deviation	1.52	0.00	5.00	deg

Measured Amplitude Deviation

Measured Phase Deviation



RF Verify results are in Specification!

Results are in specification

Program finished successfully