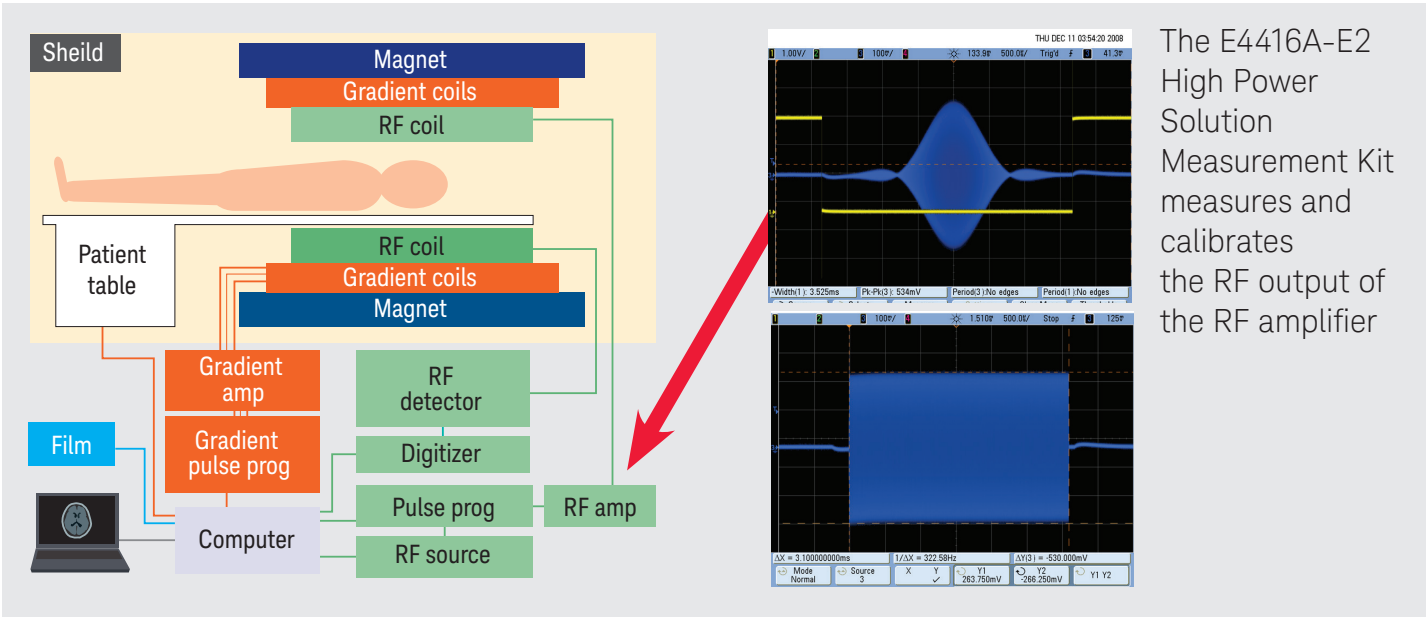


E4416A-E22 EMP-P and E-Series High Power Solution Measurement Kit

Perfectly Designed to Calibrate Magnetic
Resonance Imaging RF Amplifier

Application Brief

What Are We Measuring?



E4416A-E22 Solution

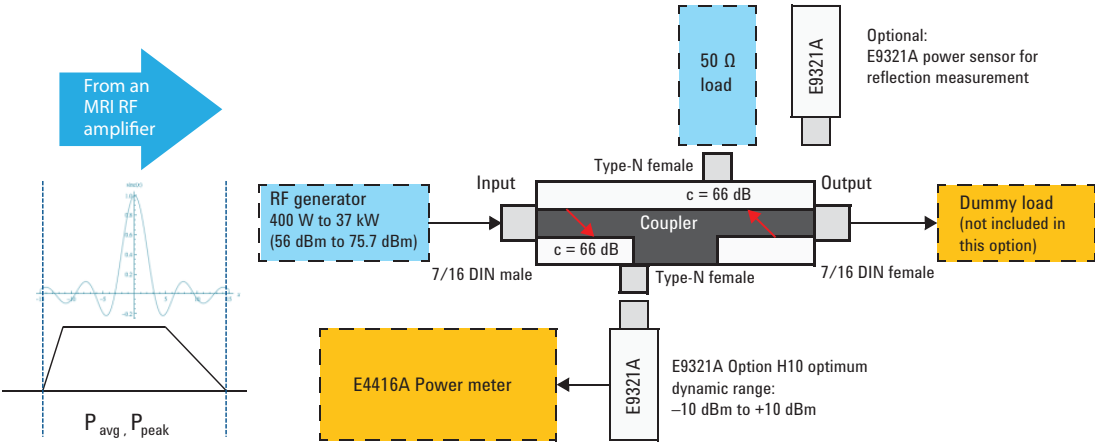


Figure 2: Diagram of a typical setup of the E4416A-E22's 66 dB bi-directional coupler ports connection. (Note, the dummy load is not included as part of the E4416A-E22 option).

E4416A-E22 Key Features and Specifications

- A simple solution consisting of an E4416A EPM-P Series power meter, an E9321A power sensor and a coupler
- Covers wide frequency range using a single power sensor
- More than 20 dB usable dynamic range, supporting multiple types of RF platforms

Optional Accessories E4416A-ACC includes:

- TCOM600FS Cable with DIN connectors (7/16 Male to 7/16 Male) crimped, 8 ft
- 3/16 Wavelength Cable Stub
- 7/16 Female to HN Male Connector
- 7/16 Female to N Male Connector
- 7/16 Male to HN Female Connector
- 7/16 Male to N Female Connector
- N Male to BNC Female adapter

Parameters	E4416A-E22 Measurement Kit
Frequency range	10 MHz to 300 MHz
Power accuracy	$\pm 4.9\%$
Insertion loss	$< 0.1\text{dB}$
VSWR	$< 1.05:1$
Power range	316W to 35,500W (55.0dB to 75.5dB)
Supported pulsed shape measurement	Rectangular, complex sine, triangular
Settling time	< 1 second
Measurement capability	Peak, peak-envelope, average power
Triggering	Internal trigger: auto level (default), manual level

Model	Description
E4416A - E22	EPM-P and E-series high power solution measurement kit, 10 MHz to 300 MHz

Optional accessories

Model	Description
E4416A-ACC	Cable and connectors kit
34131A	Transit case

Ordering Information

Standard shipping items

- E4416A Power Meter – EPM-P series, single channel with option 001, E22
- E9321A Peak and Average Power Sensor, 50MHz to 6GHz, 300kHz bandwidth with option H10
- 66dB directional coupler
- Coaxial Termination, Type-N (m), DC-18 GHz option 012
- Certificate of calibration
- Keysight IO Libraries Media Suite
- Keysight EPM-P (E4416A/ E4417A) Installation Guide
- Keysight EPM-P (E4416A/ E4417A) Service Guide
- Keysight E9321A Operation and Service Guide
- E9288A sensor cable 1.5m/ 5ft
- Keysight E4416A Option E22 Product Note
- Keysight EPM-P Product Reference CD-ROM
- Power cord

