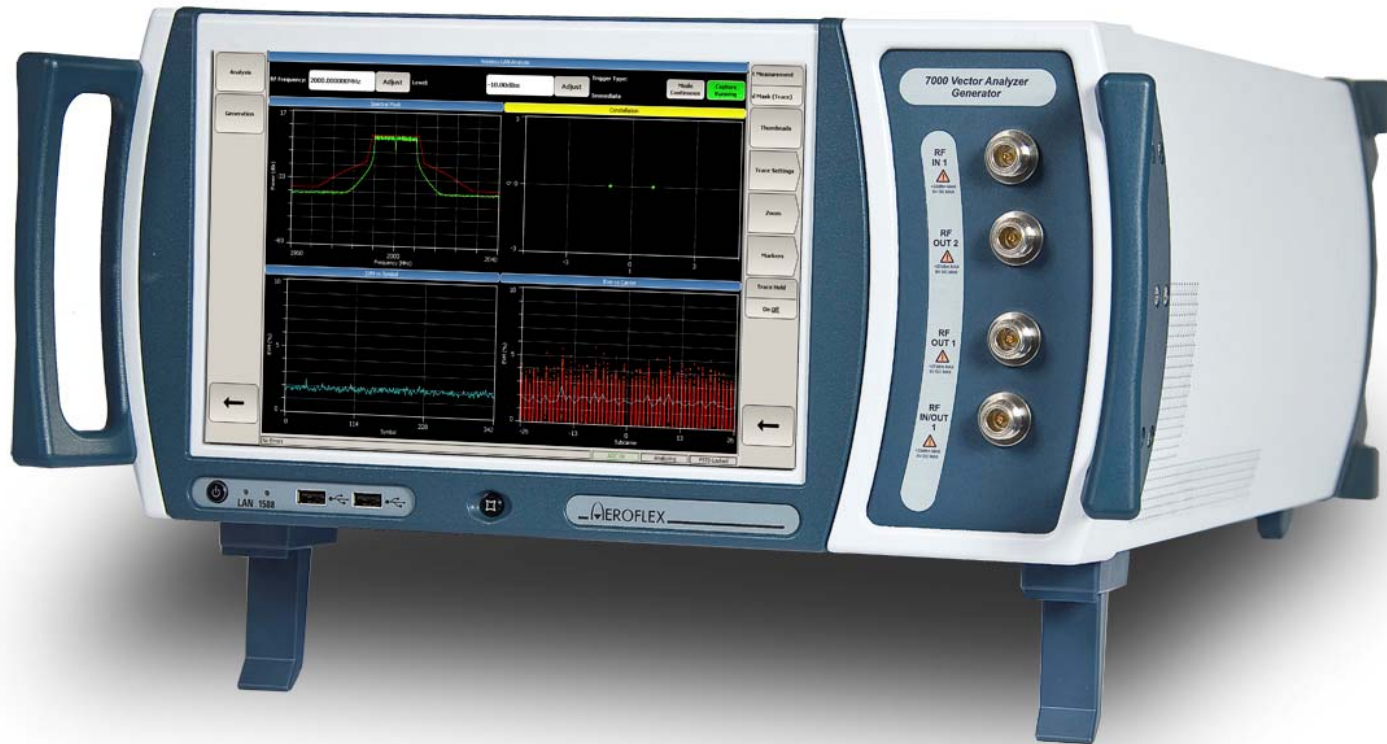


7000 Vector Analyzer Generator

AEROFLEX



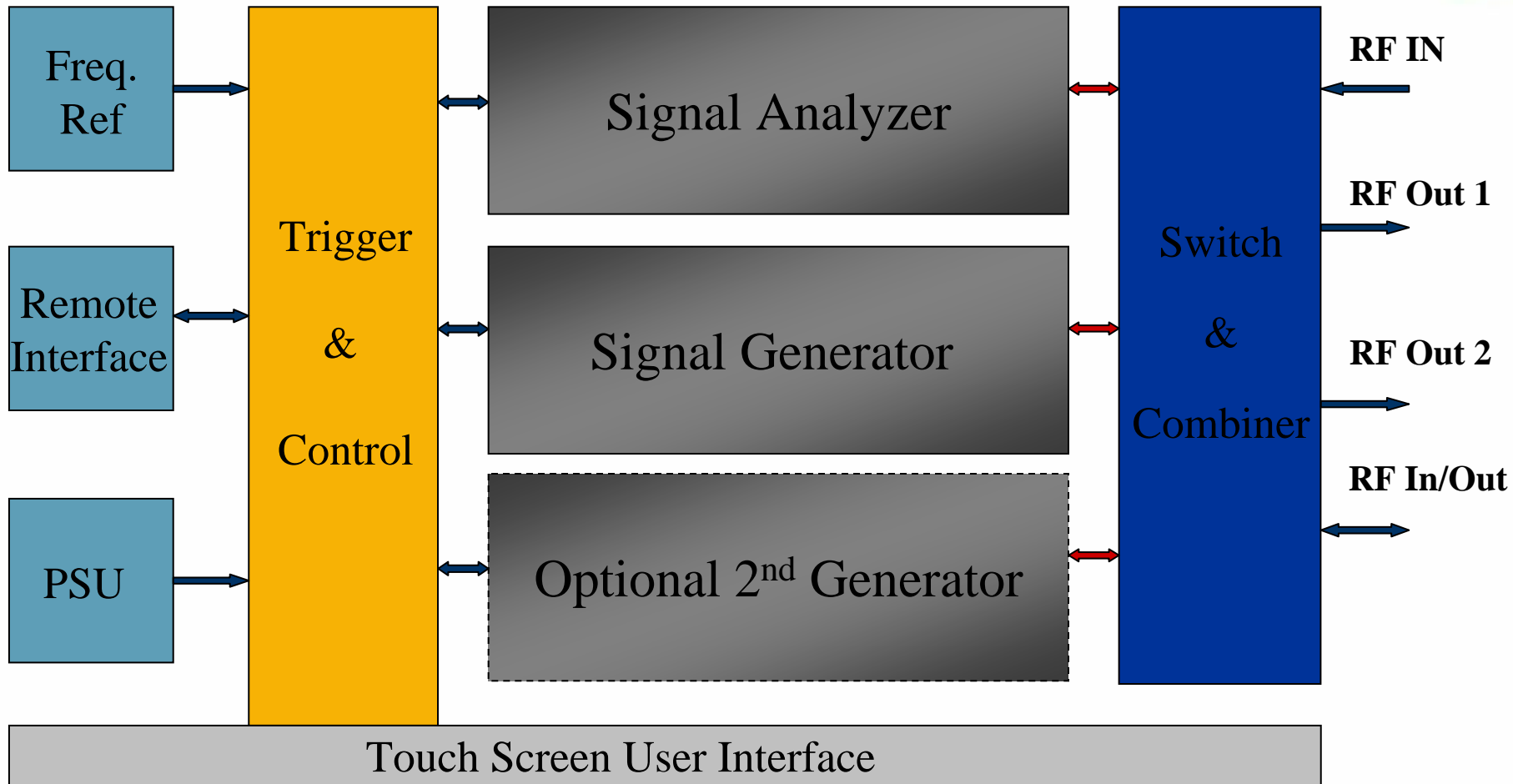
7000 Vector Analyzer Generator

- ◆ **Combined Vector Signal Analyzer and Signal Generator**
- ◆ **General purpose RF design tool with wireless personalities for component and module characterization**
- ◆ **Capable of supporting 2 generators for IMD and mixer characterization**

Performance Highlights

- ◆ **Frequency range 1 MHz to 6 GHz**
 - RF IN/OUT (Duplex) 70 MHz to 6 GHz
- ◆ **Analysis and modulation BW 90 MHz**
- ◆ **Capable of housing a 2nd vector signal generator**
 - For amplifier distortion and receiver selectivity measurement
 - Available as an independent output or summed to the RF IN/OUT
 - MIMO capable in the future
- ◆ **+12 dBm output (RF OUT)**
- ◆ **+33 dBm input (RF IN/OUT)**
- ◆ **Noise spectral density -135 dBm/Hz**
- ◆ **Touch screen MMI (Keyboard and mouse optional)**

7000 Architecture



Waveform Generation Tools



LTE Uplink Generation

Analysis RF Frequency: Arb File:

Generation Level: RF State:

<< System Settings **Frame Settings**

Frame Settings

F 0

SF 0 SF 1 SF 2 SF 3 SF 4 SF 5 SF 6 SF 7 SF 8 SF 9

Channel Type

PUSCH Amplitude Scaling

PUSCH Modulation Scheme

Cur. Tx. No. for Slot 0

Cur. Tx. No. for Slot 1

No. of PUSCH Res. Blocks

Starting Virtual Res. Block

Hopping Information

DMRS Index 2

PUSCH SRS Amplitude Scaling

Current Measurement

Thumbnails

Window Type

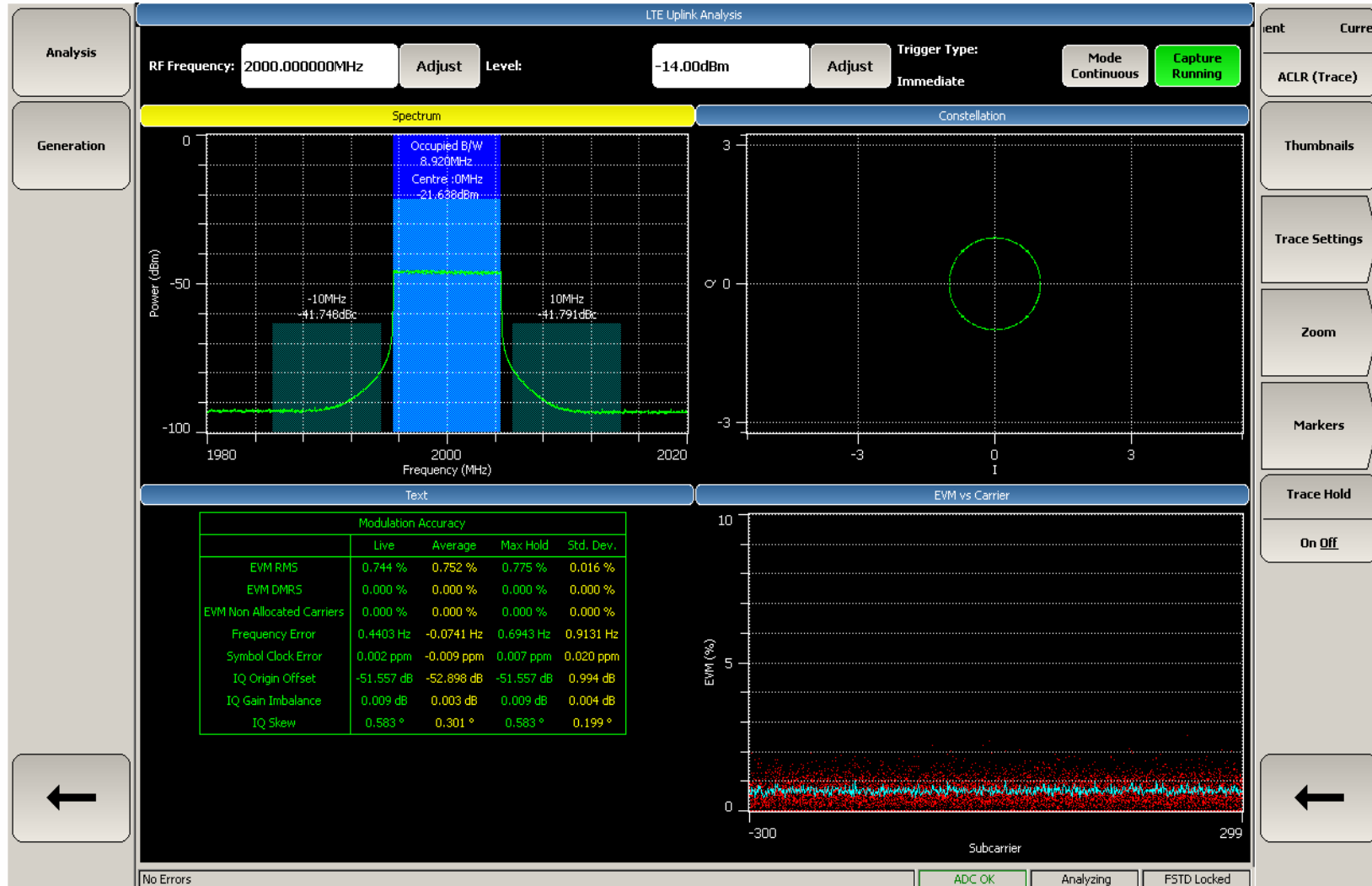
Window Size

Max Min

Lock Window

On Off

Powerful Waveform Analysis



Performance and Value

- ◆ **Generation and analysis available for:**
 - GSM/GPRS/EDGE/EEDGE
 - UMTS/HSUPA/HSPA
 - LTE UE
 - Cdma2000/1xEV-DO
 - WLAN 802.11a,b,g,n
 - WiMAX 802.16d,e
- ◆ **Additional functions**
 - General purpose analog measurements
 - Bluetooth
 - Generic modulation/demodulation
 - Embedded IQCreator®
 - GPIB
 - Ethernet