



## 6 Spurious Emissions at Antenna Terminals

### 6.1 Test Specification

FCC, Part 24, Subpart E Section 238, FCC Part 2.1051

### 6.2 Test Procedure

(Temperature (21°C)/ Humidity (33%RH))

The E.U.T. antenna terminal was connected to the spectrum analyzer through an external attenuator and an appropriate coaxial cable.

The evaluation was performed in the frequency band from 9.0kHz-20.0GHz without band edges tests, and for each modulation separately.

### 6.3 Test Limit

The power of any emission outside of the authorized operating frequency ranges (1930-1995MHz) must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \cdot \log(P)$  dB, yielding  $-13\text{dBm}$ .

### 6.4 Test Results

JUDGEMENT: Passed

See additional information in Figure 304 to Figure 402.

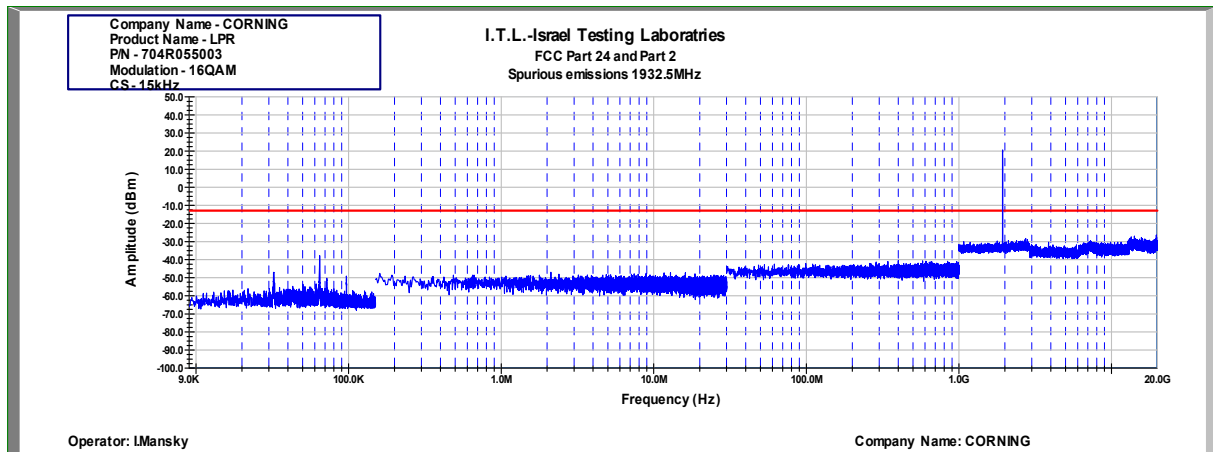


Figure 304: Spurious Emissions at Antenna Terminal 16QAM, 1932.5MHz,  
B.W. 5MHz, Sub Carrier 15 kHz

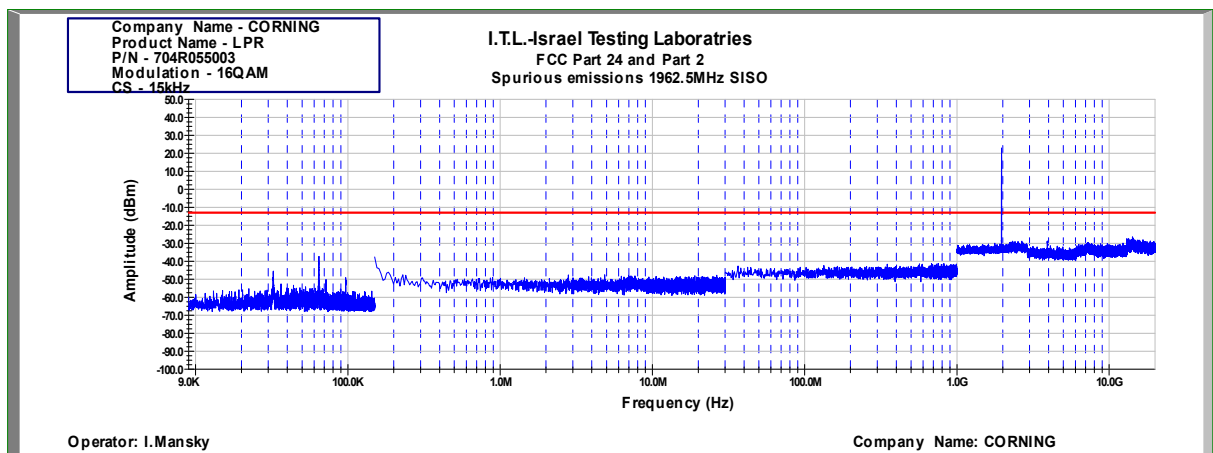


Figure 305: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz,  
B.W. 5MHz, Sub Carrier 15 kHz

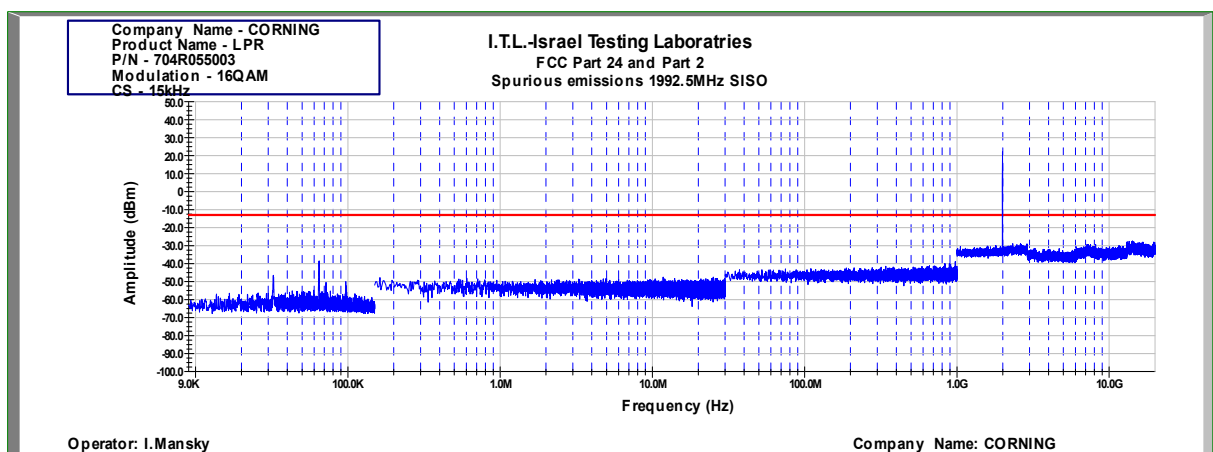


Figure 306: Spurious Emissions at Antenna Terminal 16QAM, 1992.5MHz,  
B.W. 5MHz, Sub Carrier 15 kHz

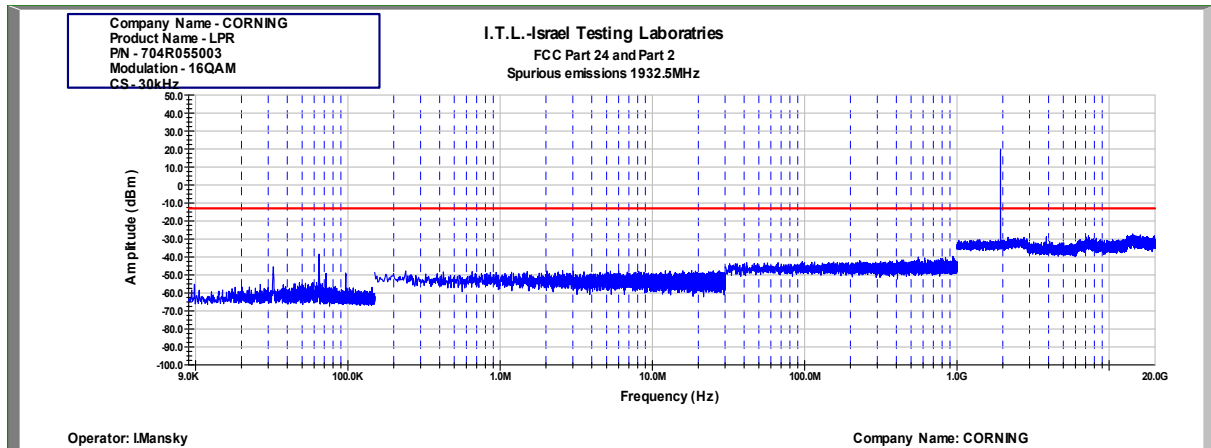


Figure 307: Spurious Emissions at Antenna Terminal 16QAM, 1932.5MHz,  
B.W. 5MHz, Sub Carrier 30 kHz

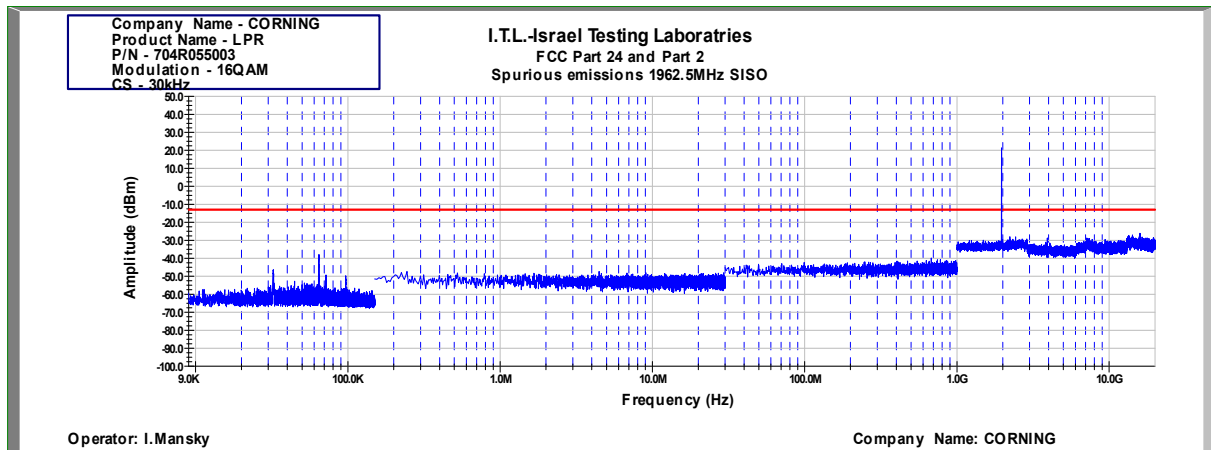


Figure 308: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz,  
B.W. 5MHz, Sub Carrier 30 kHz

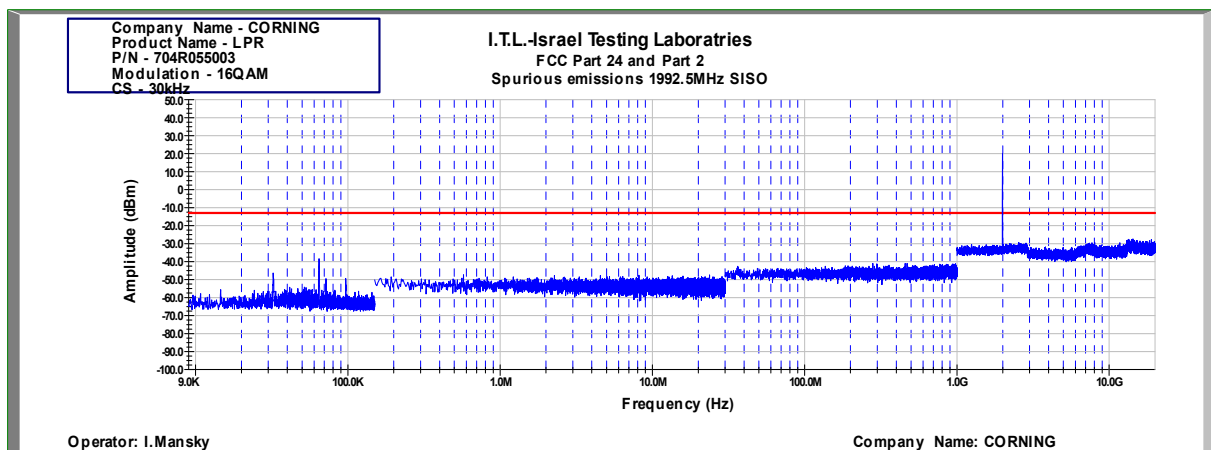


Figure 309: Spurious Emissions at Antenna Terminal 16QAM, 1992.5MHz,  
B.W. 5MHz, Sub Carrier 30 kHz

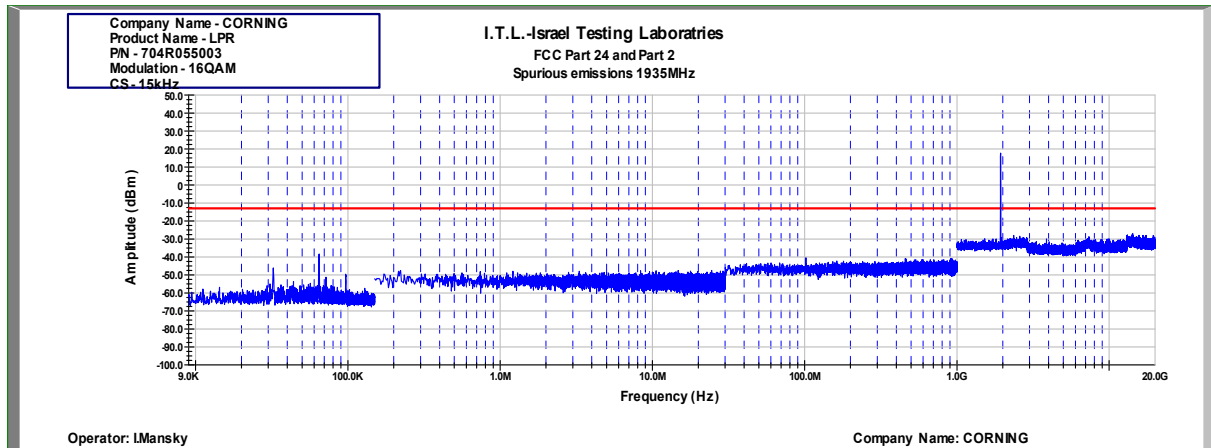


Figure 310: Spurious Emissions at Antenna Terminal 16QAM, 1935.0MHz,  
B.W. 10MHz, Sub Carrier 15 kHz

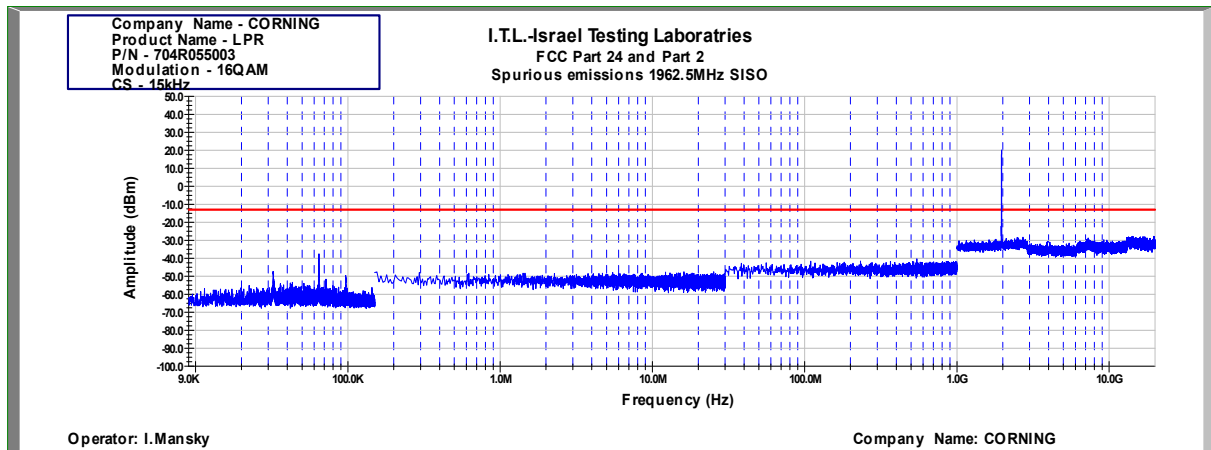


Figure 311: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz,  
B.W. 10MHz, Sub Carrier 15 kHz

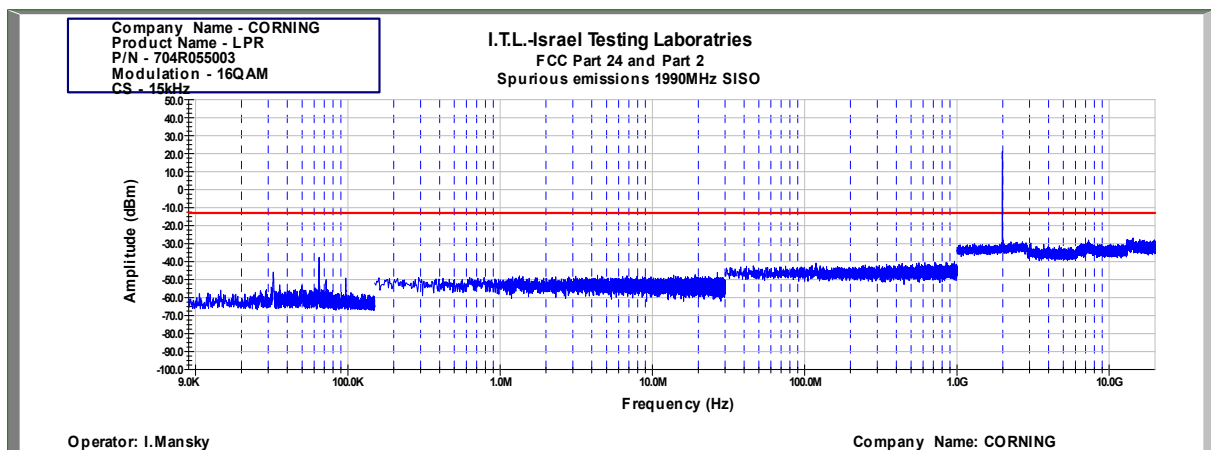


Figure 312: Spurious Emissions at Antenna Terminal 16QAM, 1990.0MHz,  
B.W. 10MHz, Sub Carrier 15 kHz

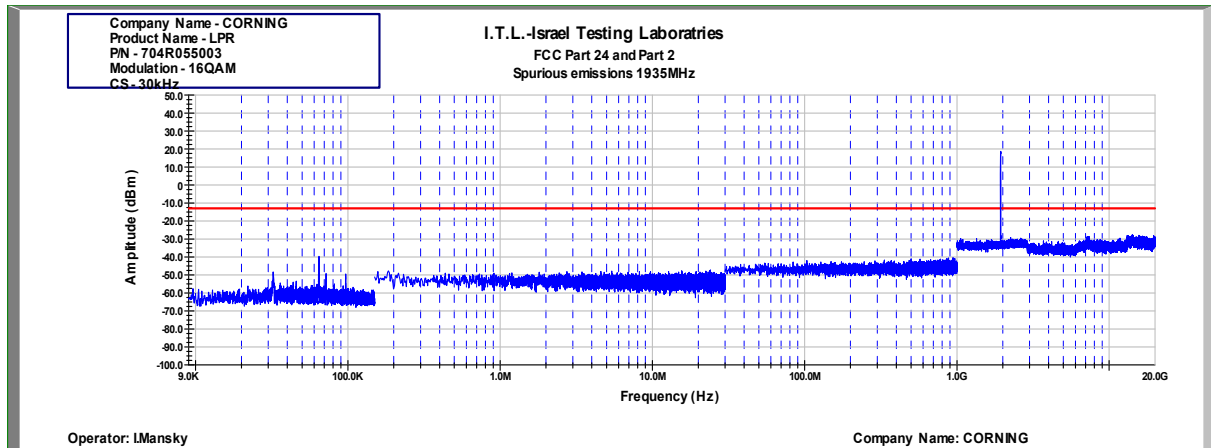


Figure 313: Spurious Emissions at Antenna Terminal 16QAM, 1935.0MHz,  
B.W. 10MHz, Sub Carrier 30 kHz

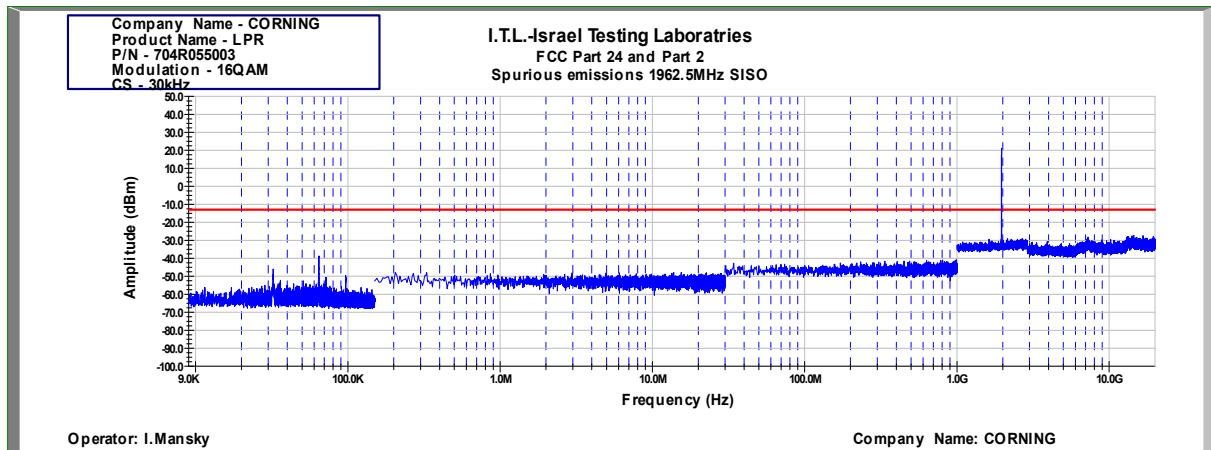


Figure 314: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz,  
B.W. 10MHz, Sub Carrier 30 kHz

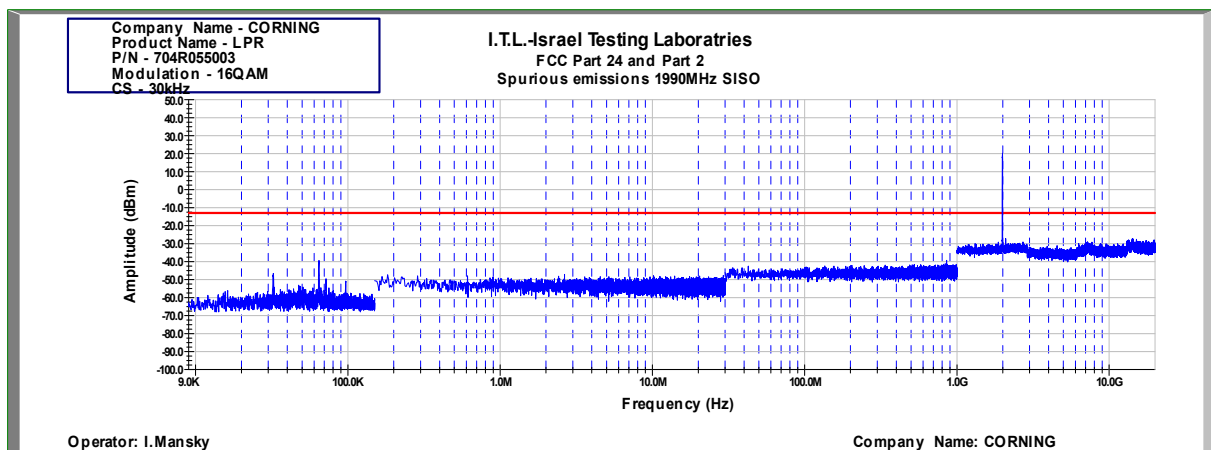


Figure 315: Spurious Emissions at Antenna Terminal 16QAM, 1990.0MHz,  
B.W. 10MHz, Sub Carrier 30 kHz

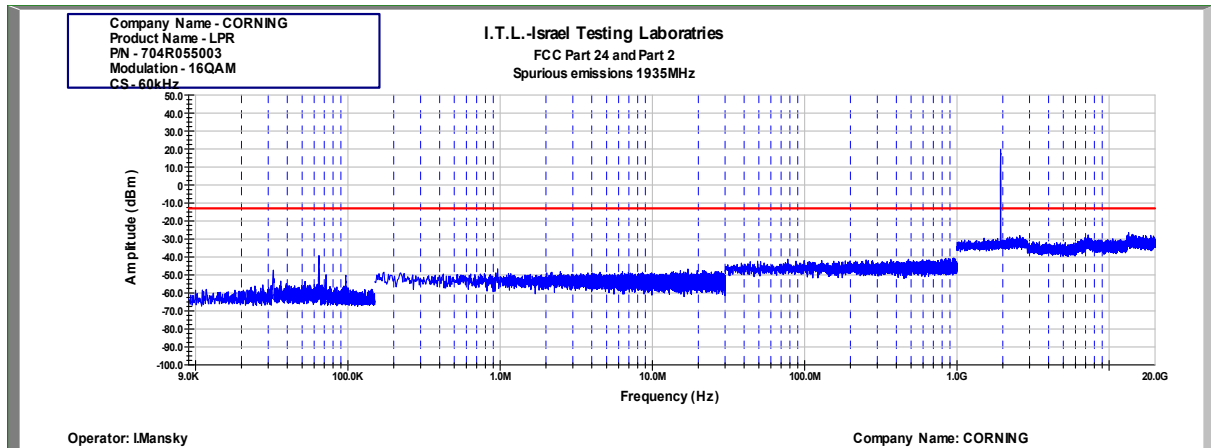


Figure 316: Spurious Emissions at Antenna Terminal 16QAM, 1935.0MHz,  
B.W. 10MHz, Sub Carrier 60 kHz

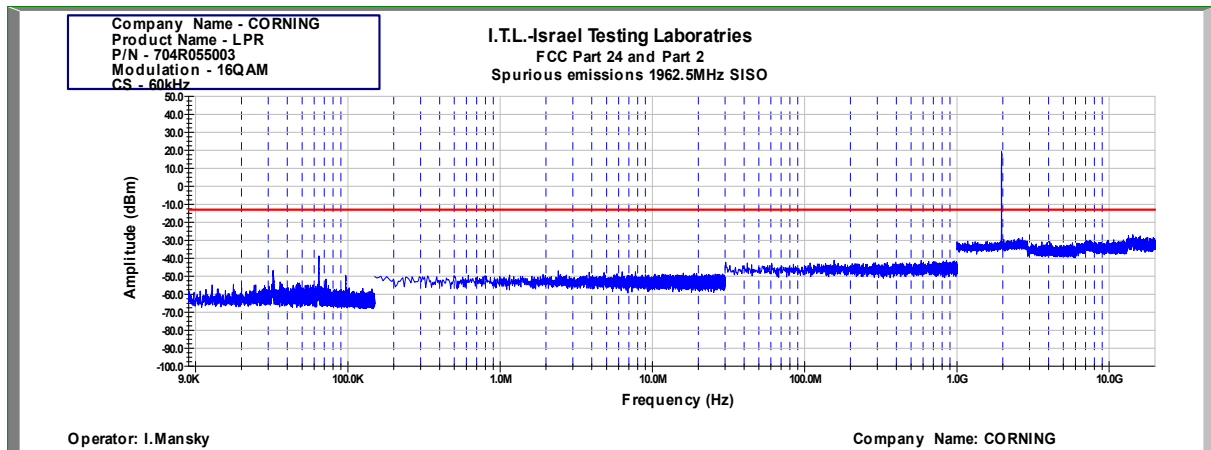


Figure 317: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz,  
B.W. 10MHz, Sub Carrier 60 kHz

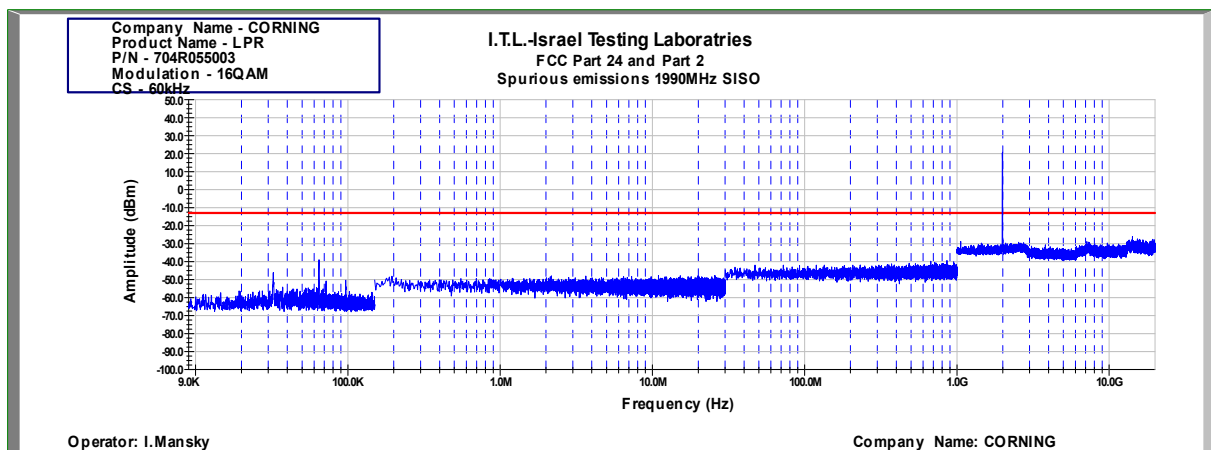
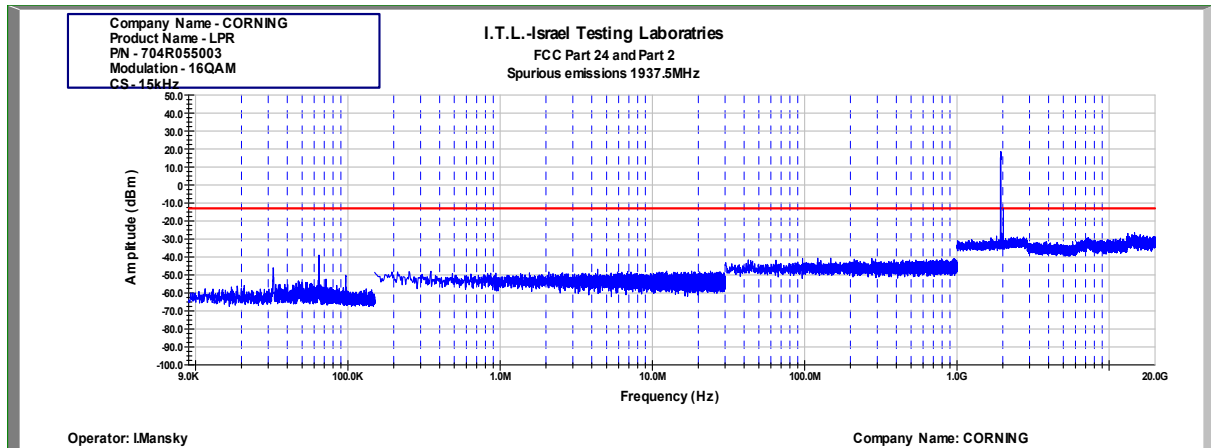
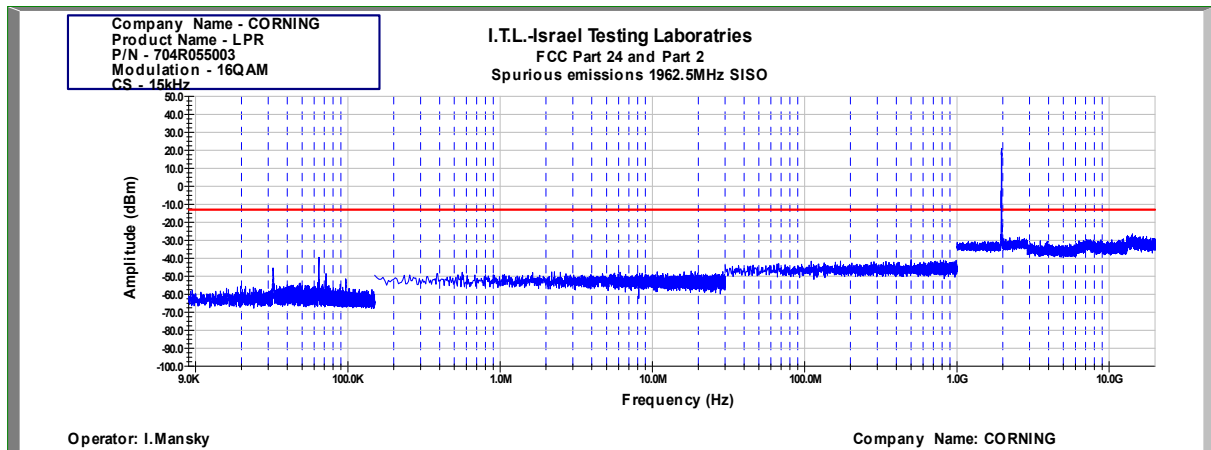


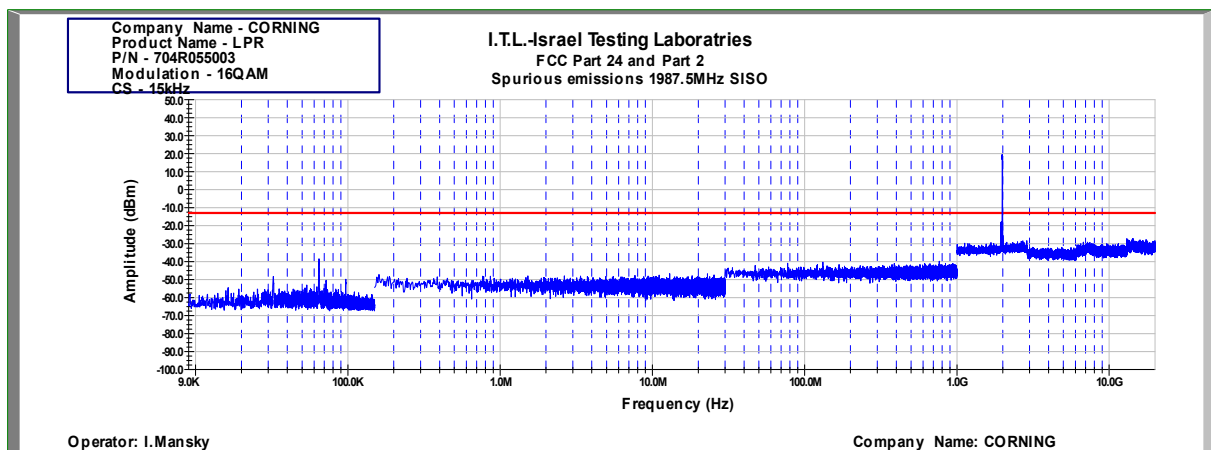
Figure 318: Spurious Emissions at Antenna Terminal 16QAM, 1990.0MHz,  
B.W. 5MHz, Sub Carrier 60 kHz



**Figure 319: Spurious Emissions at Antenna Terminal 16QAM, 1937.5MHz, B.W. 15MHz, Sub Carrier 15 kHz**



**Figure 320: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz, B.W. 15MHz, Sub Carrier 15 kHz**



**Figure 321: Spurious Emissions at Antenna Terminal 16QAM, 1987.5MHz, B.W. 15MHz, Sub Carrier 15 kHz**

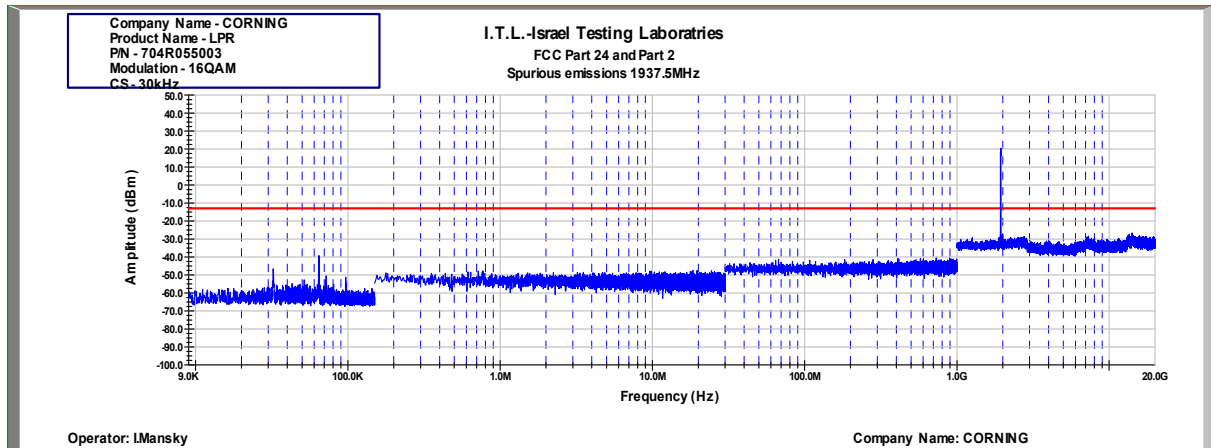


Figure 322: Spurious Emissions at Antenna Terminal 16QAM, 1937.5MHz,  
B.W. 15MHz, Sub Carrier 30 kHz

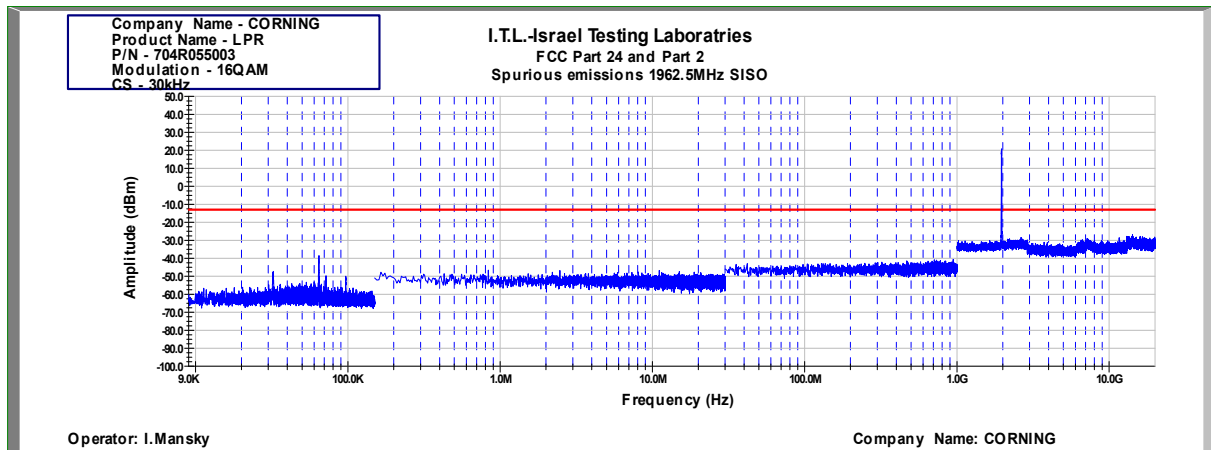


Figure 323: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz,  
B.W. 15MHz, Sub Carrier 30 kHz

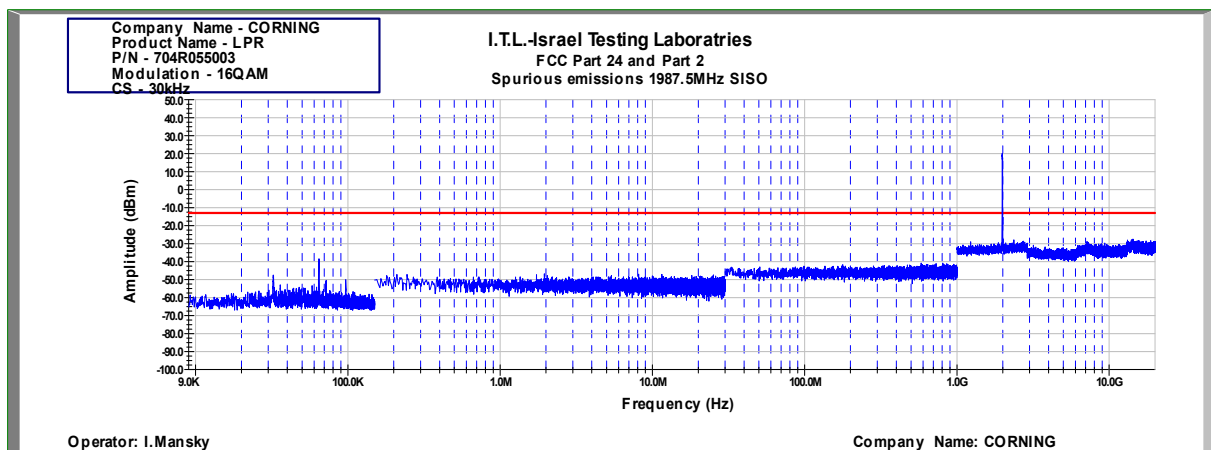


Figure 324: Spurious Emissions at Antenna Terminal 16QAM, 1987.5MHz,  
B.W. 15MHz, Sub Carrier 30 kHz