



## 6 Spurious Emissions at Antenna Terminals

### 6.1 Test Specification

FCC Part 27, Subpart C, Sections 27.53(h)

### 6.2 Test Procedure

(Temperature (22°C)/ Humidity (36%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-22.0GHz 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 (2110-2200MHz) must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \cdot \log(P)$  dB, yielding -13dBm.

### 6.4 Test Results

JUDGEMENT: Passed

See additional information in Figure 303 to Figure 401.

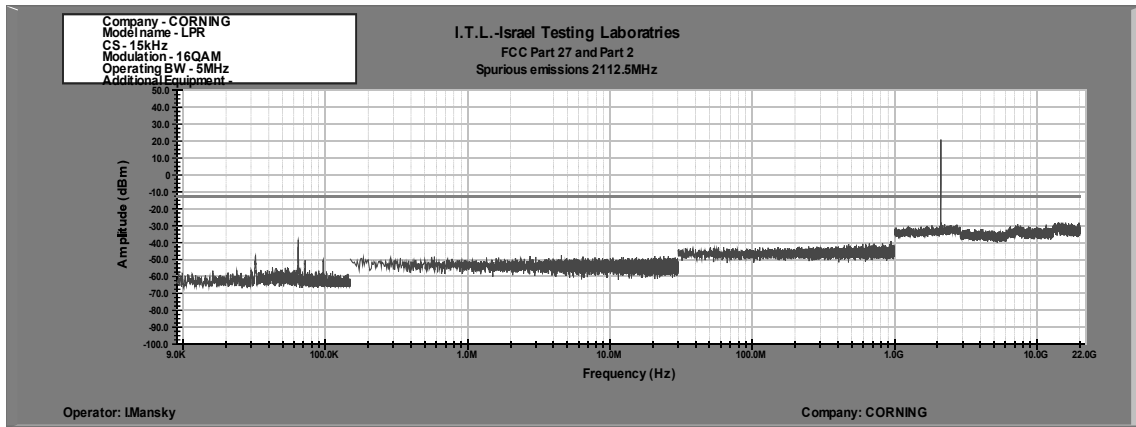


Figure 303: Spurious Emissions at Antenna Terminal 16QAM, 2112.5MHz,  
B.W. 5MHz, Sub Carrier 15 kHz

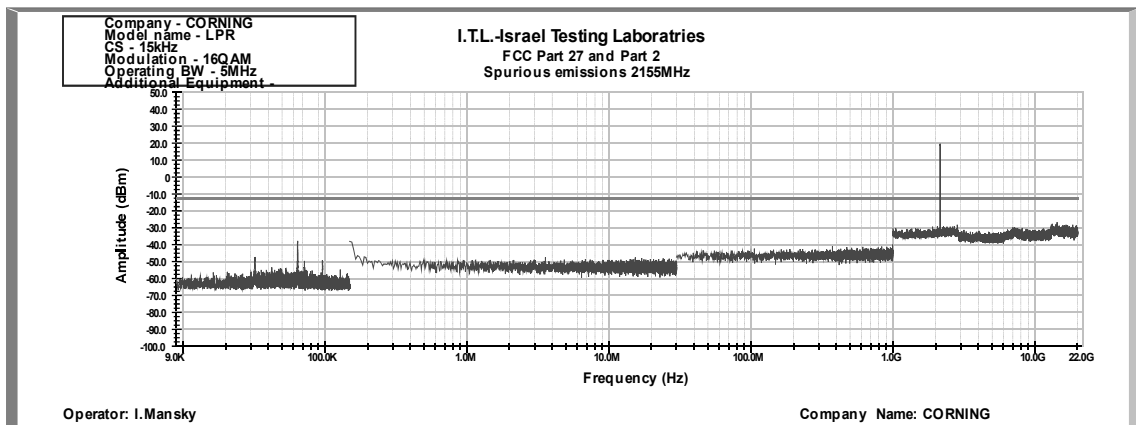


Figure 304: Spurious Emissions at Antenna Terminal 16QAM, 2155.0MHz,  
B.W. 5MHz, Sub Carrier 15 kHz

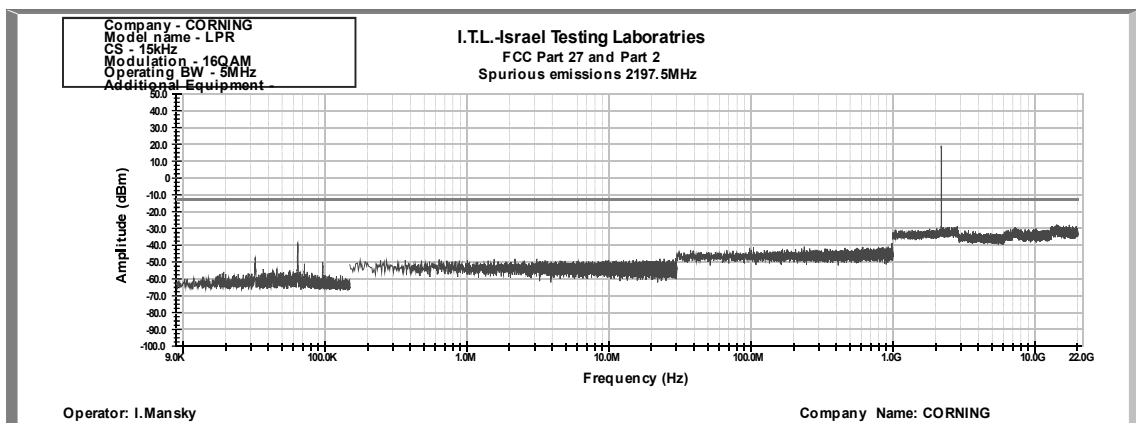
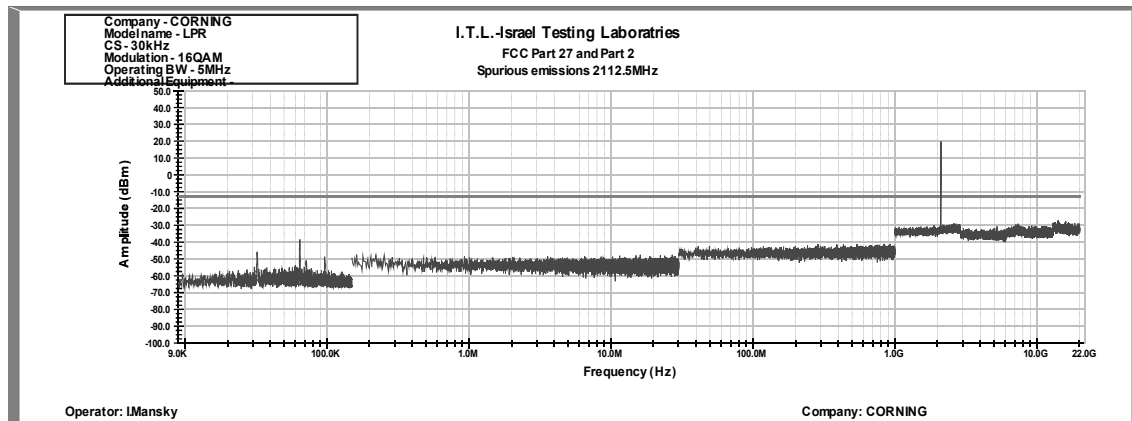
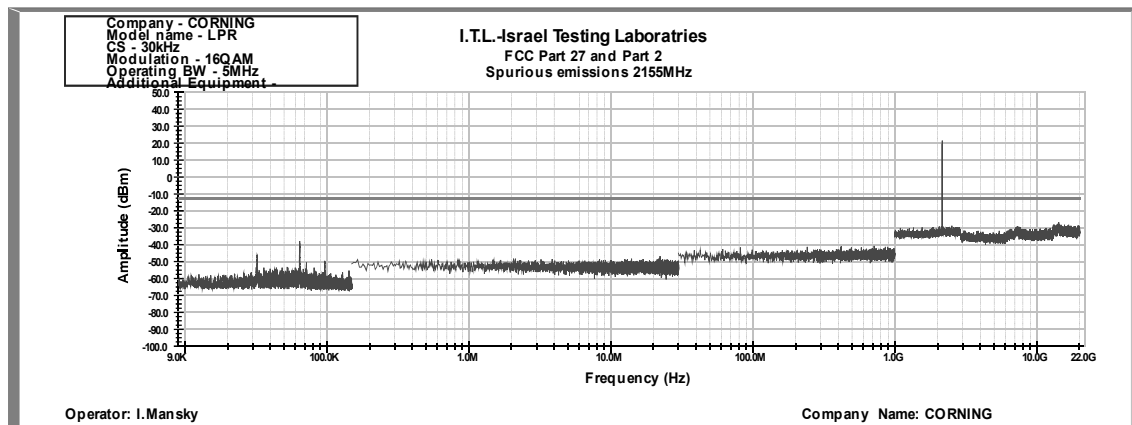


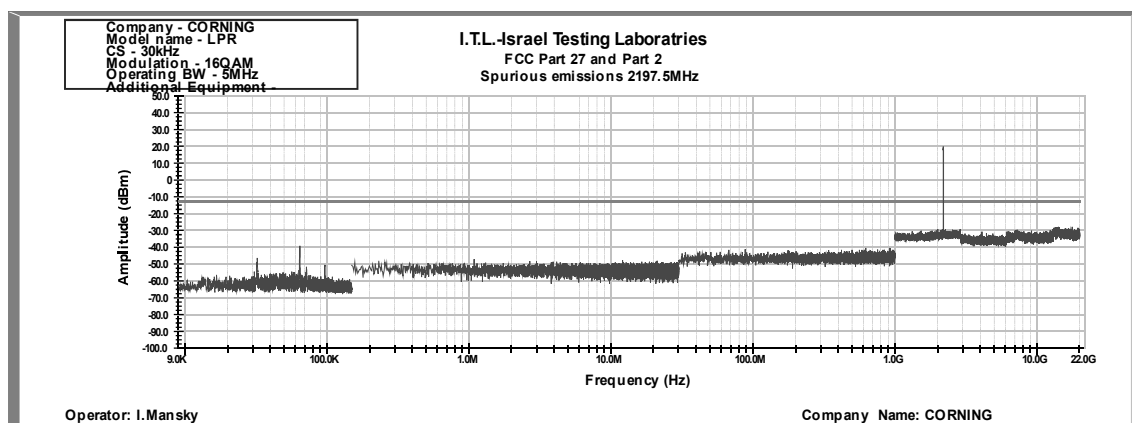
Figure 305: Spurious Emissions at Antenna Terminal 16QAM, 2197.5MHz,  
B.W. 5MHz, Sub Carrier 15 kHz



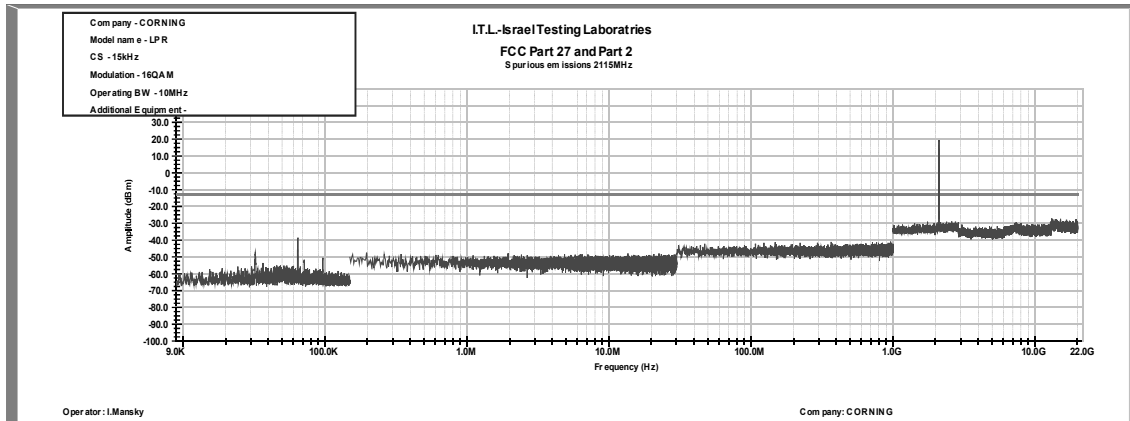
**Figure 306: Spurious Emissions at Antenna Terminal 16QAM, 2112.5MHz, B.W. 5MHz, Sub Carrier 30 kHz**



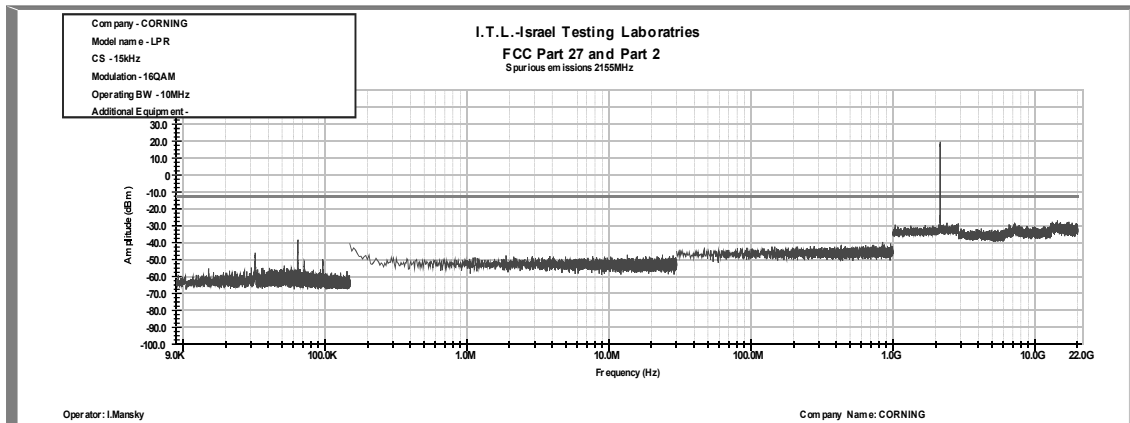
**Figure 307: Spurious Emissions at Antenna Terminal 16QAM, 2155.0MHz, B.W. 5MHz, Sub Carrier 30 kHz**



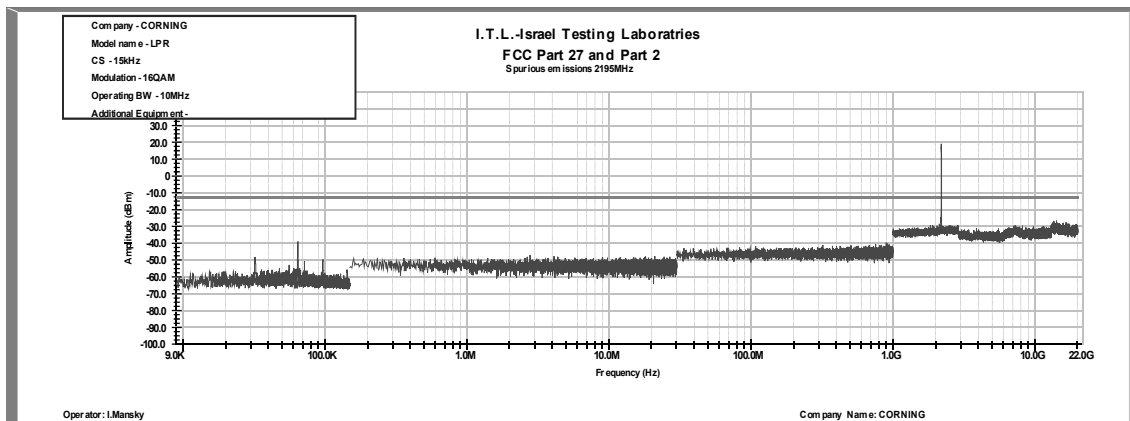
**Figure 308: Spurious Emissions at Antenna Terminal 16QAM, 2197.5MHz, B.W. 5MHz, Sub Carrier 30 kHz**



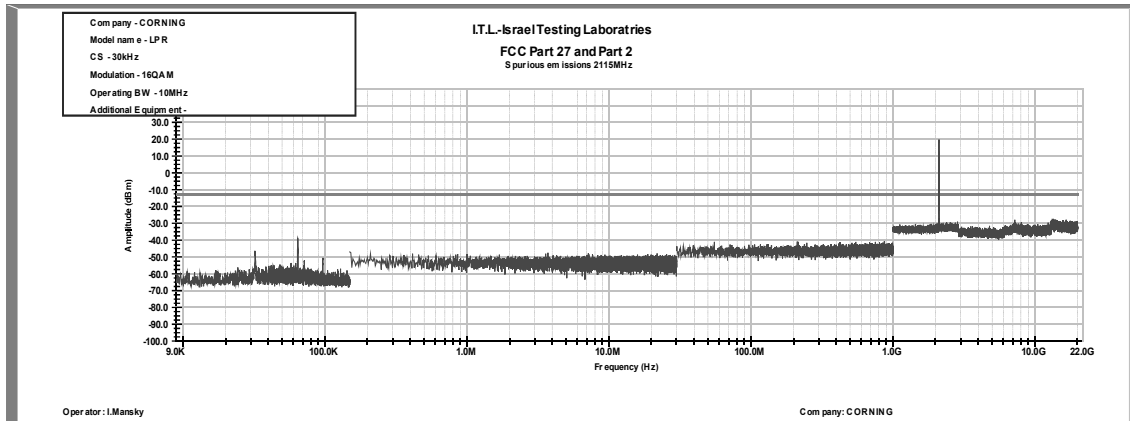
**Figure 309: Spurious Emissions at Antenna Terminal 16QAM, 2115.0MHz,  
B.W. 10MHz, Sub Carrier 15 kHz**



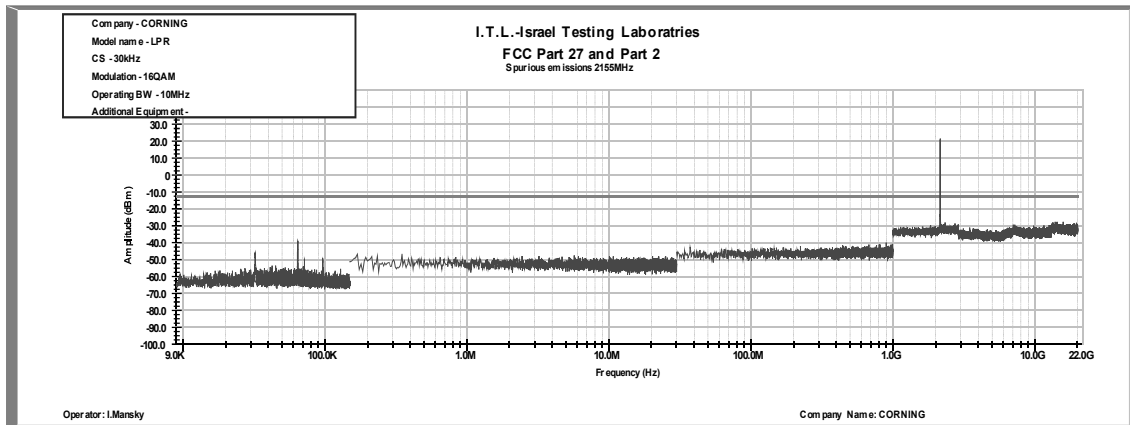
**Figure 310: Spurious Emissions at Antenna Terminal 16QAM, 2155.0MHz,  
B.W. 10MHz, Sub Carrier 15 kHz**



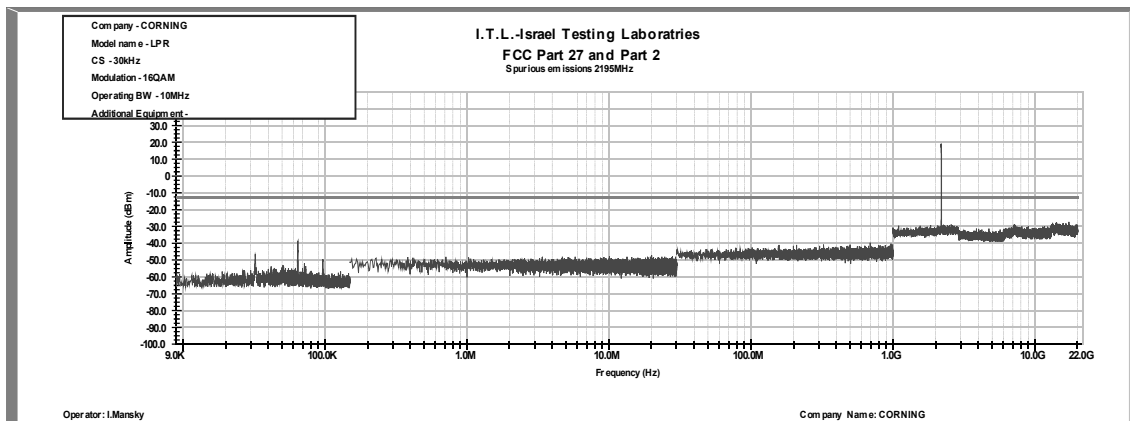
**Figure 311: Spurious Emissions at Antenna Terminal 16QAM, 2195.0MHz,  
B.W. 10MHz, Sub Carrier 15 kHz**



**Figure 312: Spurious Emissions at Antenna Terminal 16QAM, 2115.0MHz, B.W. 10MHz, Sub Carrier 30 kHz**



**Figure 313: Spurious Emissions at Antenna Terminal 16QAM, 2155.0MHz, B.W. 10MHz, Sub Carrier 30 kHz**



**Figure 314: Spurious Emissions at Antenna Terminal 16QAM, 2195.0MHz, B.W. 10MHz, Sub Carrier 30 kHz**