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*log (P) dB, yielding –13dBm.

6.4 Test Results

JUDGEMENT: Passed

See additional information in Figure 304 to Figure 402.

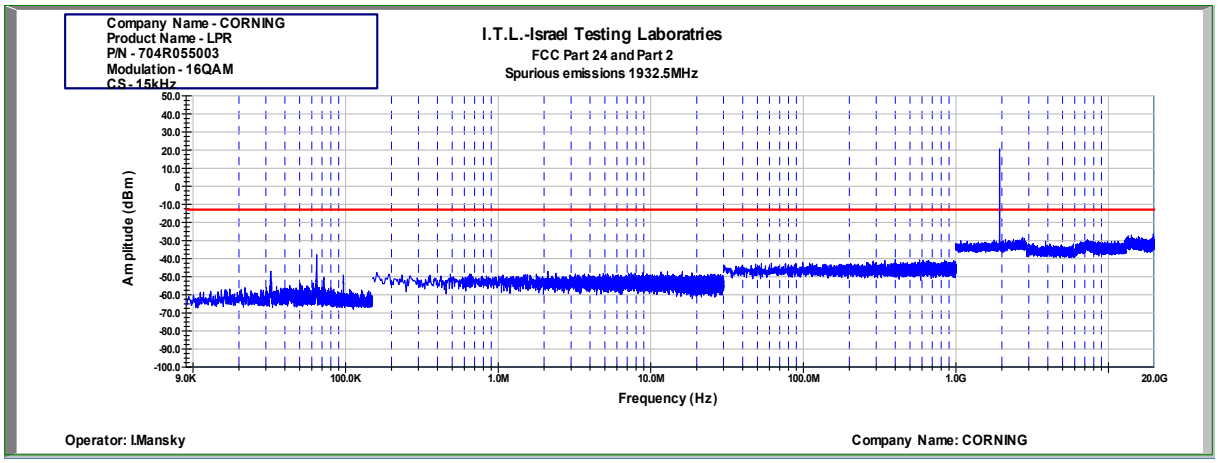

Figure 304: Spurious Emissions at Antenna Terminal 16QAM, 1932.5MHz, B.W. 5MHz, Sub Carrier 15 kHz

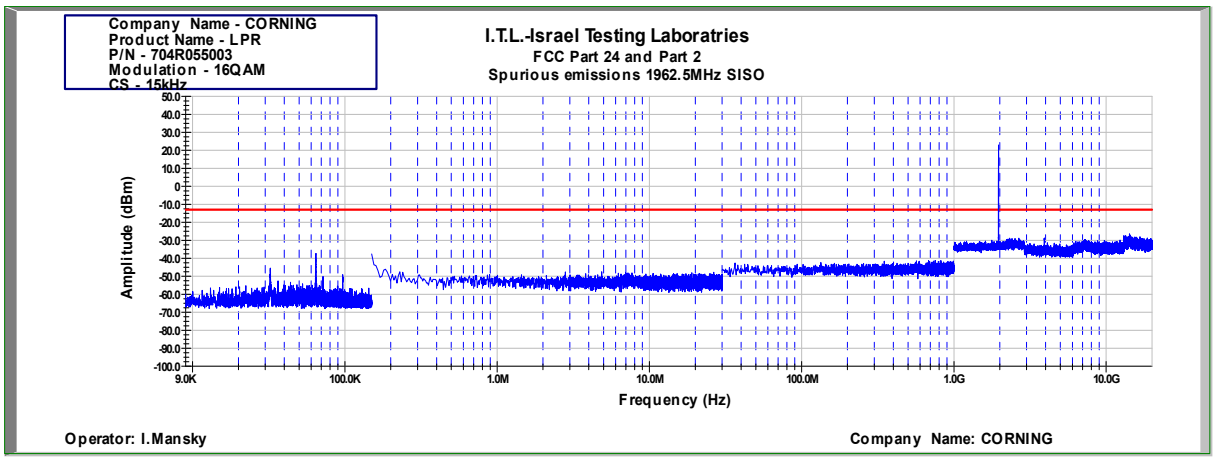

Figure 305: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz, B.W. 5MHz, Sub Carrier 15 kHz

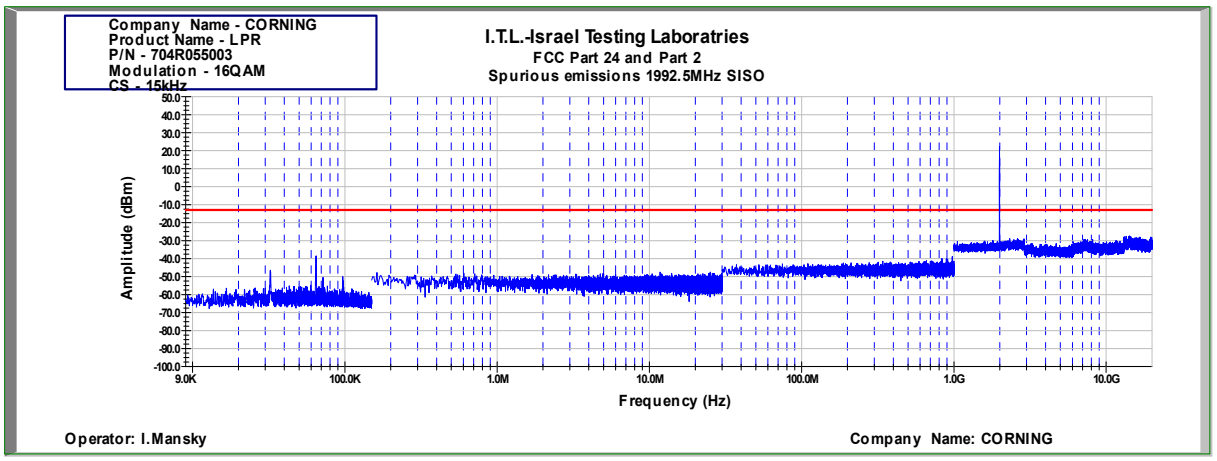

Figure 306: Spurious Emissions at Antenna Terminal 16QAM, 1992.5MHz, B.W. 5MHz, Sub Carrier 15 kHz

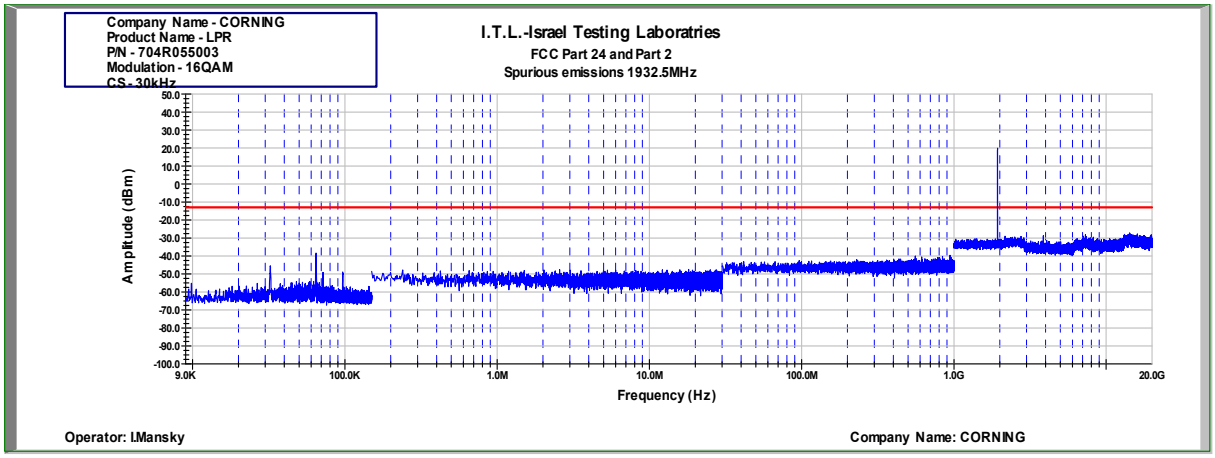

Figure 307: Spurious Emissions at Antenna Terminal 16QAM, 1932.5MHz, B.W. 5MHz, Sub Carrier 30 kHz

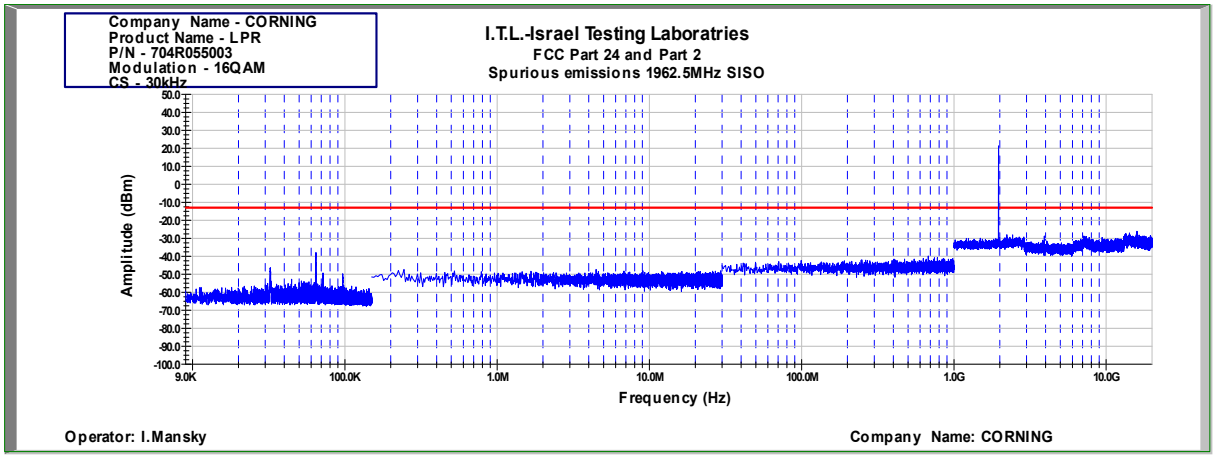

Figure 308: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz, B.W. 5MHz, Sub Carrier 30 kHz

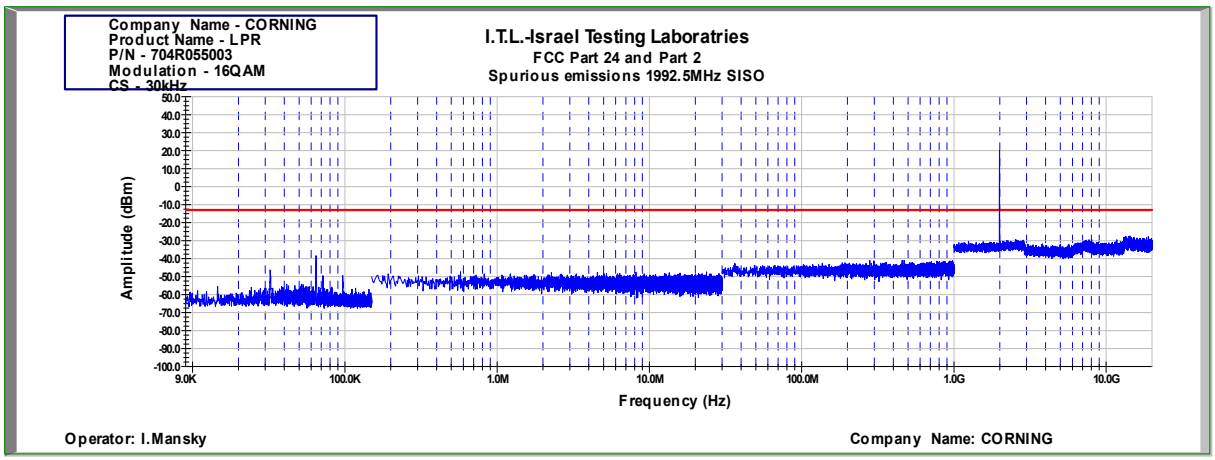

Figure 309: Spurious Emissions at Antenna Terminal 16QAM, 1992.5MHz, B.W. 5MHz, Sub Carrier 30 kHz

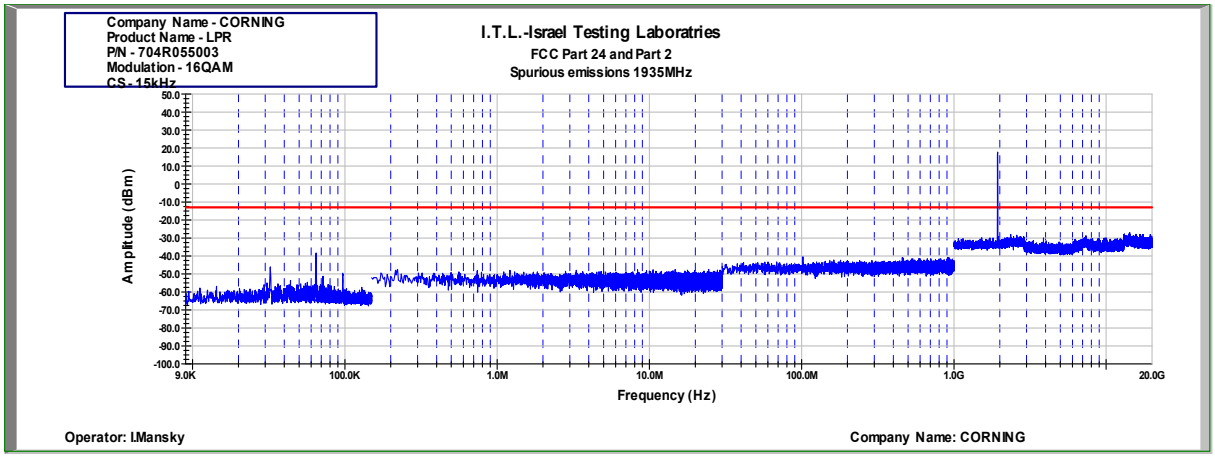

Figure 310: Spurious Emissions at Antenna Terminal 16QAM, 1935.0MHz, B.W. 10MHz, Sub Carrier 15 kHz

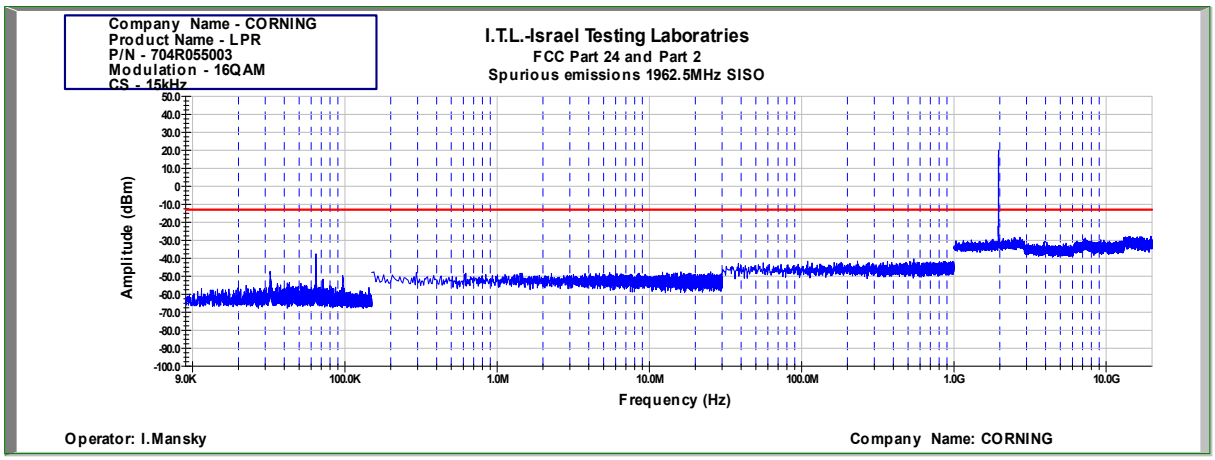

Figure 311: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz, B.W. 10MHz, Sub Carrier 15 kHz

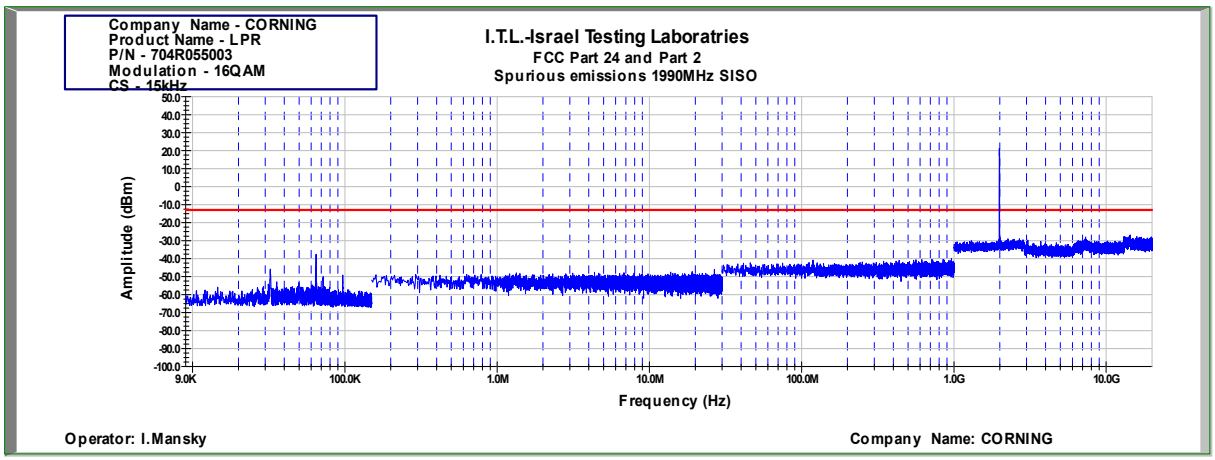

Figure 312: Spurious Emissions at Antenna Terminal 16QAM, 1990.0MHz, B.W. 10MHz, Sub Carrier 15 kHz

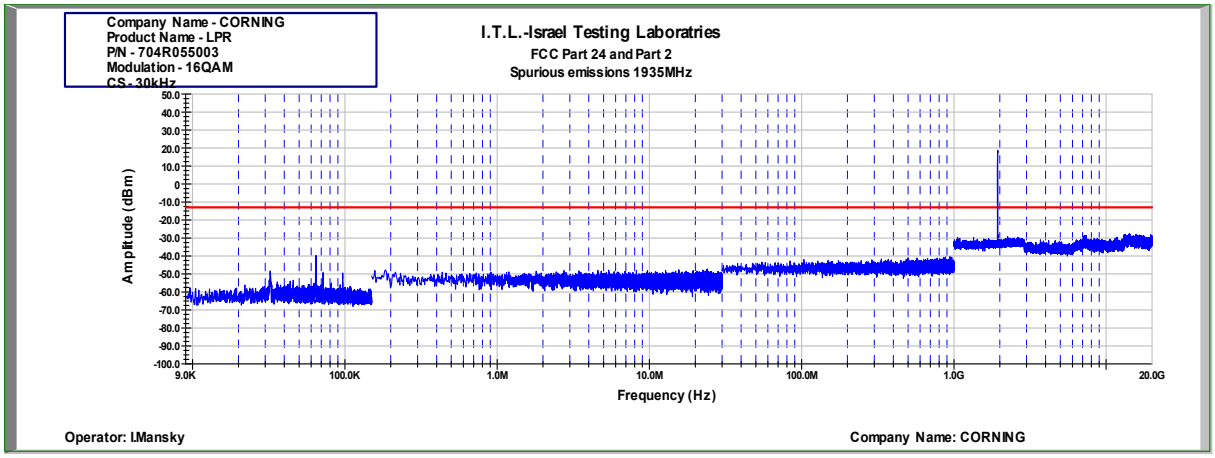

Figure 313: Spurious Emissions at Antenna Terminal 16QAM, 1935.0MHz, B.W. 10MHz, Sub Carrier 30 kHz

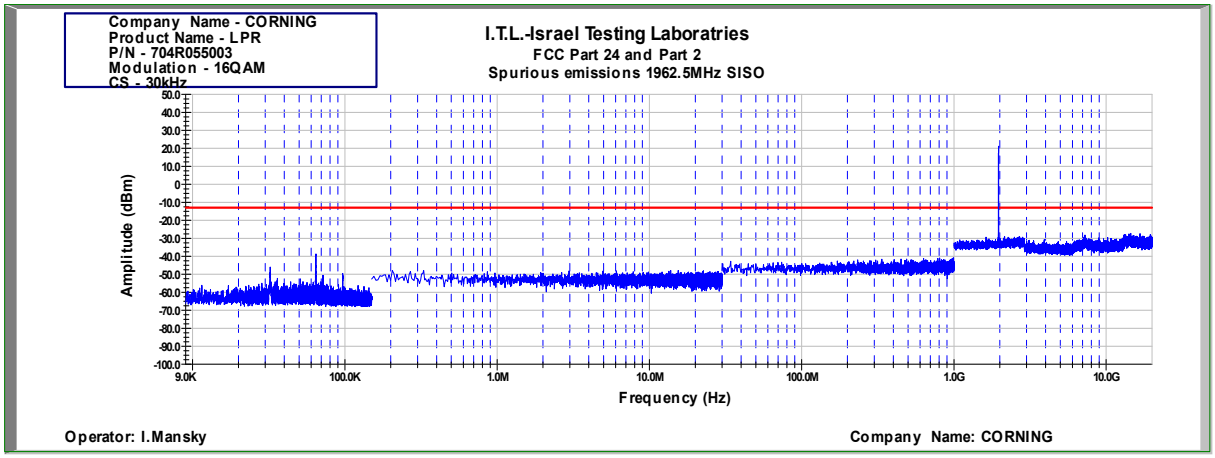

Figure 314: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz, B.W. 10MHz, Sub Carrier 30 kHz

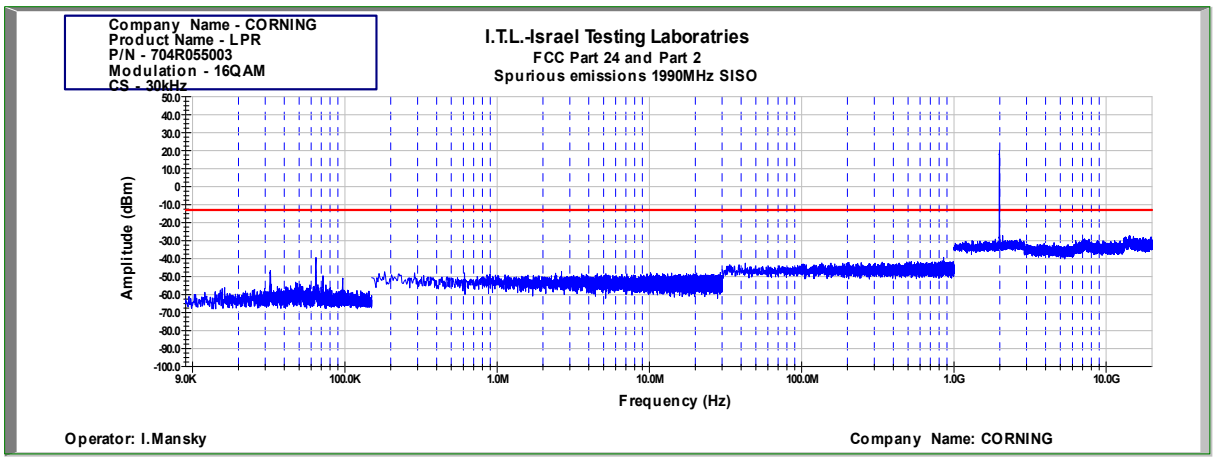

Figure 315: Spurious Emissions at Antenna Terminal 16QAM, 1990.0MHz, B.W. 10MHz, Sub Carrier 30 kHz

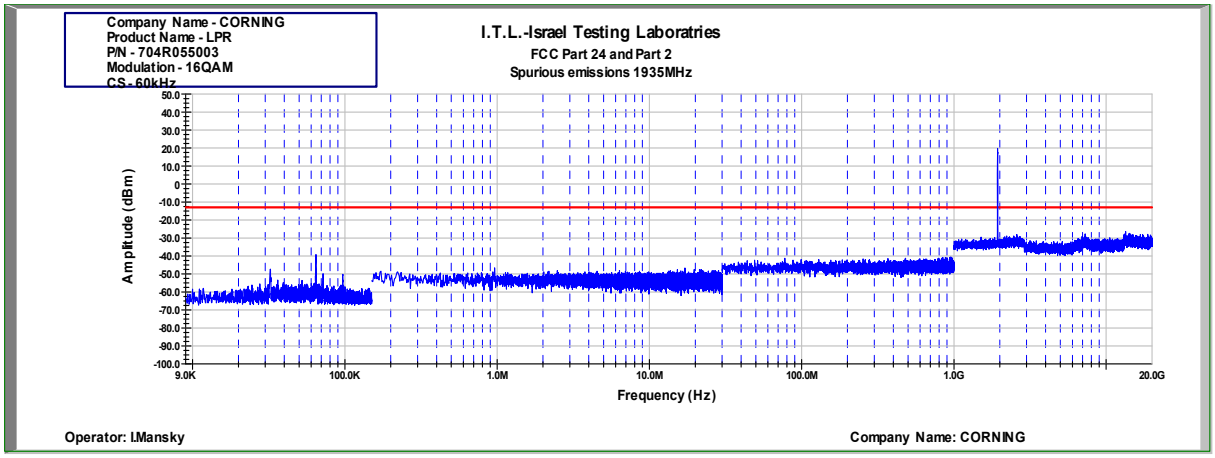

Figure 316: Spurious Emissions at Antenna Terminal 16QAM, 1935.0MHz, B.W. 10MHz, Sub Carrier 60 kHz

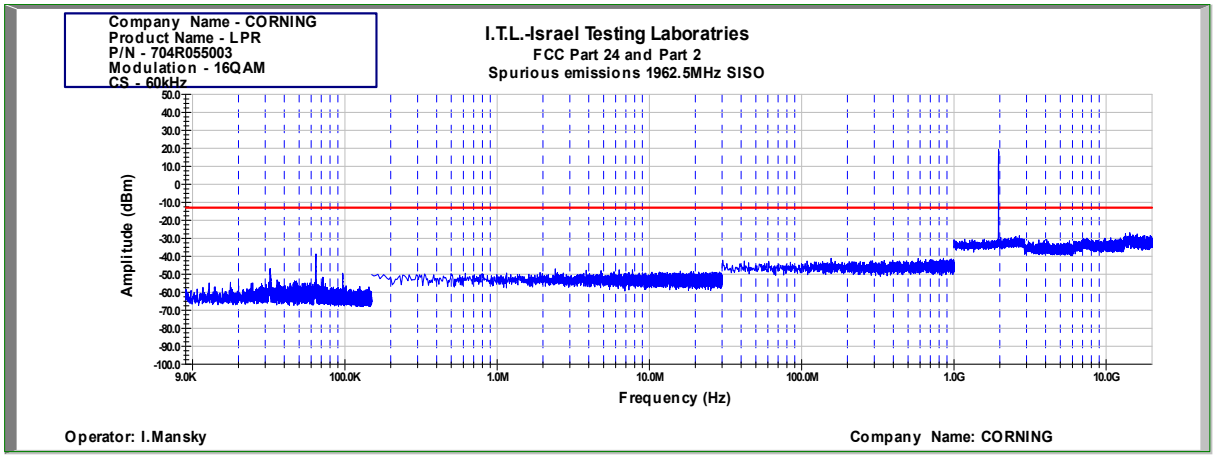

Figure 317: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz, B.W. 10MHz, Sub Carrier 60 kHz

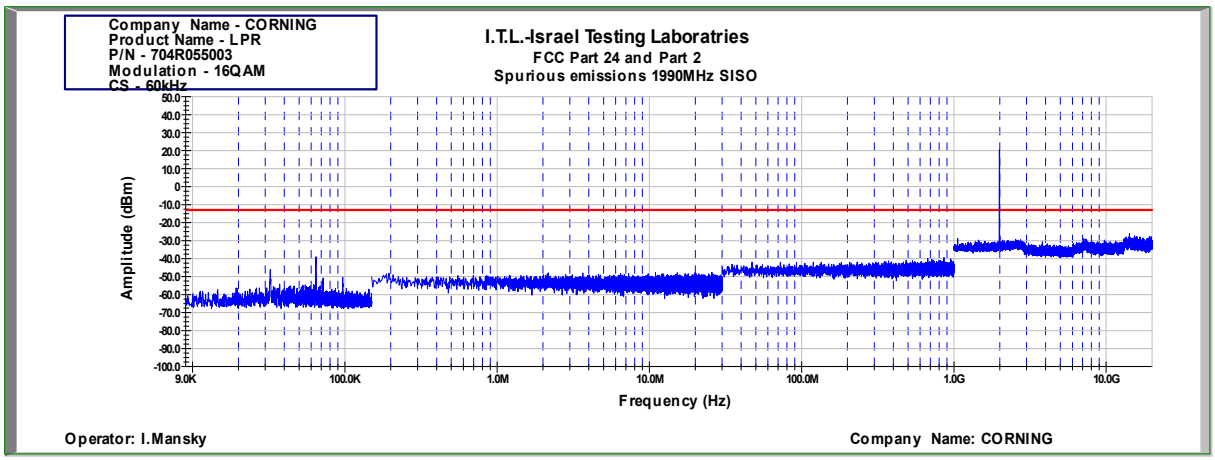

Figure 318: Spurious Emissions at Antenna Terminal 16QAM, 1990.0MHz, B.W. 5MHz, Sub Carrier 60 kHz

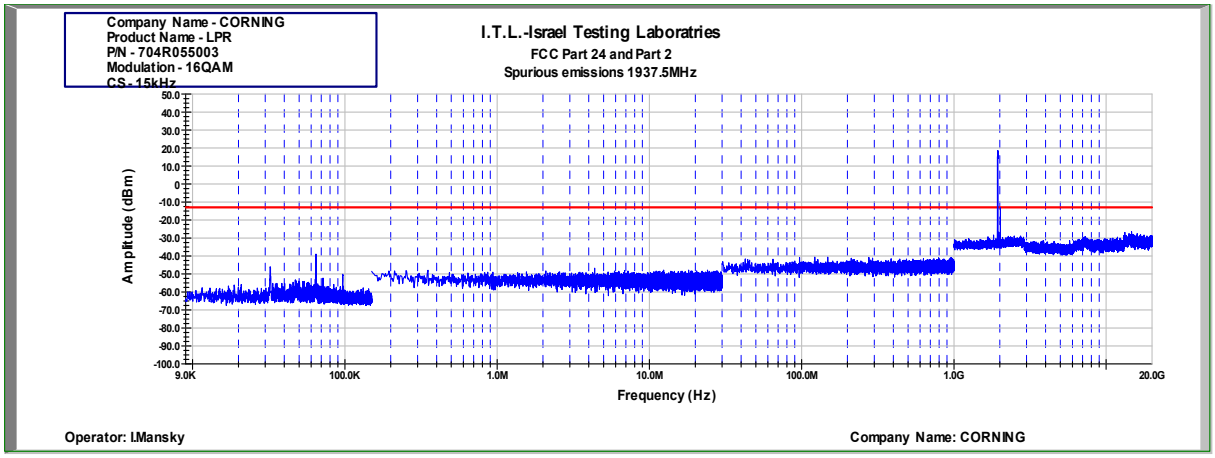

Figure 319: Spurious Emissions at Antenna Terminal 16QAM, 1937.5MHz, B.W. 15MHz, Sub Carrier 15 kHz

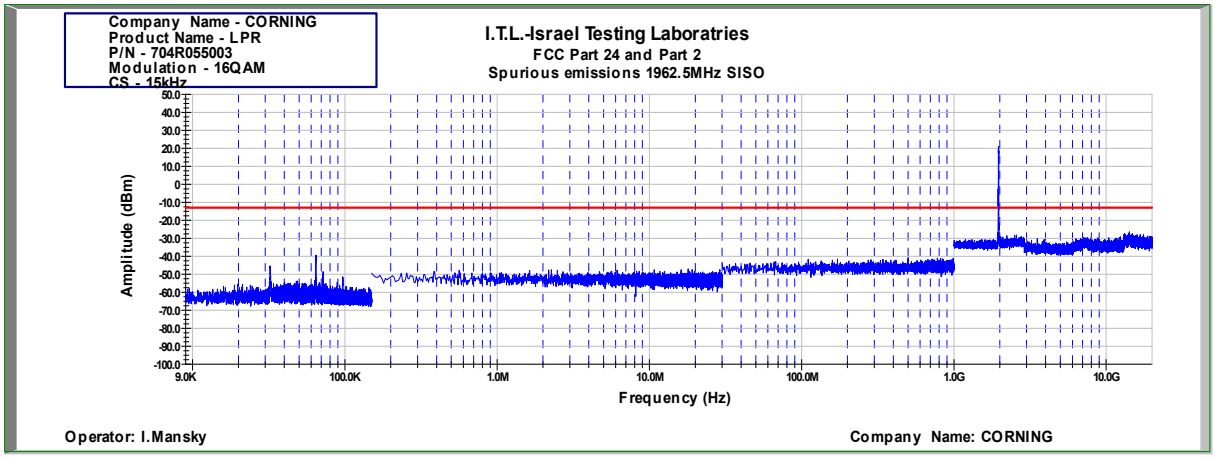

Figure 320: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz, B.W. 15MHz, Sub Carrier 15 kHz

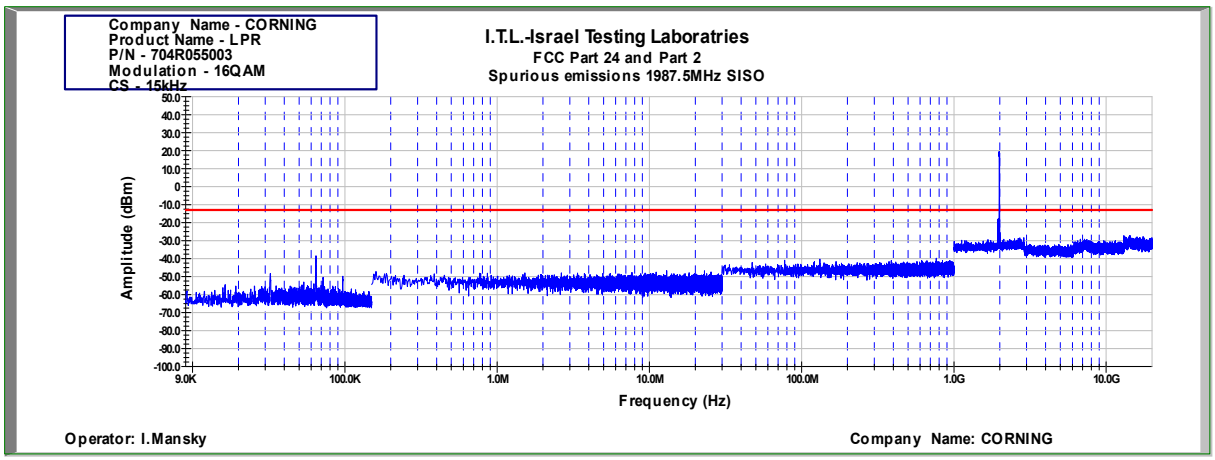

Figure 321: Spurious Emissions at Antenna Terminal 16QAM, 1987.5MHz, B.W. 15MHz, Sub Carrier 15 kHz

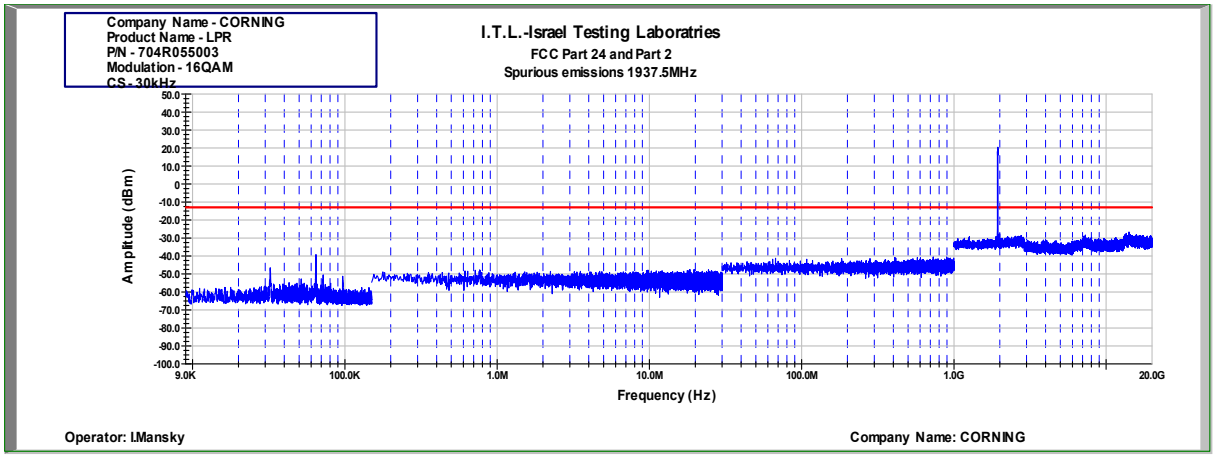

Figure 322: Spurious Emissions at Antenna Terminal 16QAM, 1937.5MHz, B.W. 15MHz, Sub Carrier 30 kHz

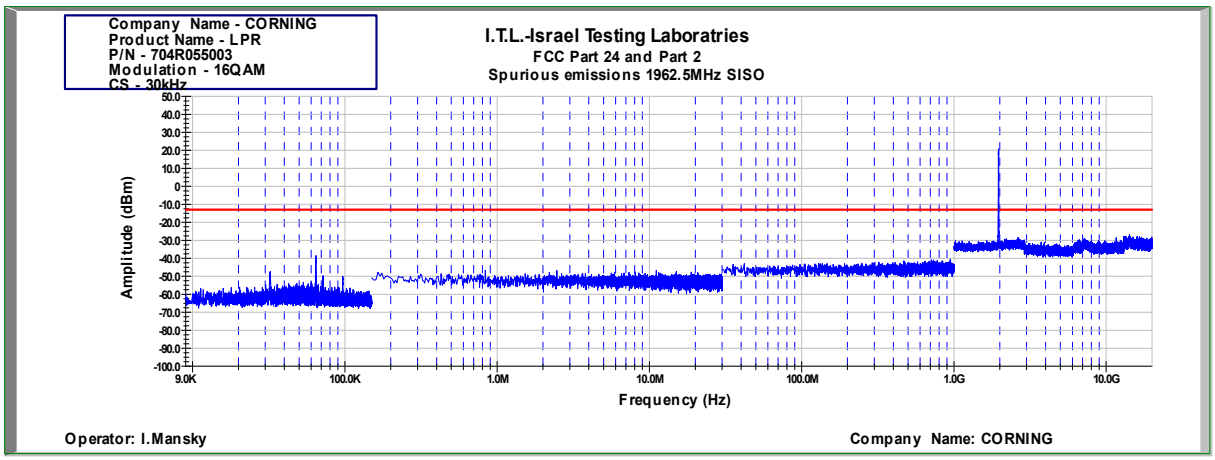

Figure 323: Spurious Emissions at Antenna Terminal 16QAM, 1962.5MHz, B.W. 15MHz, Sub Carrier 30 kHz

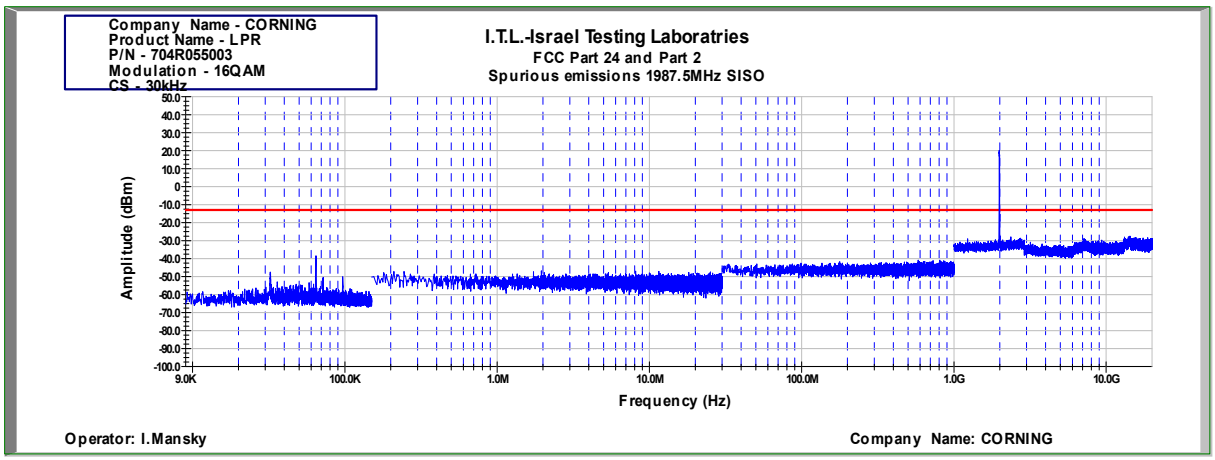

Figure 324: Spurious Emissions at Antenna Terminal 16QAM, 1987.5MHz, B.W. 15MHz, Sub Carrier 30 kHz