

## 6 Spurious Emissions at Antenna Terminals

### 6.1 Test Specification

FCC Part 27, Subpart C, Sections 27.53

### 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 (max loss 42.0 dB).

The evaluation was performed in the frequency band from 9.0kHz-8GHz.

### 6.3 Test Limit

The power of any emission outside of the authorized operating frequency ranges (728 -758 MHz) must be attenuated below the transmitting power (P) by a factor of  $43 + 10 \log (P)$  dB.

### 6.4 Test Results

JUDGEMENT: Passed

See additional information in *Figure 405* to *Figure 536*.

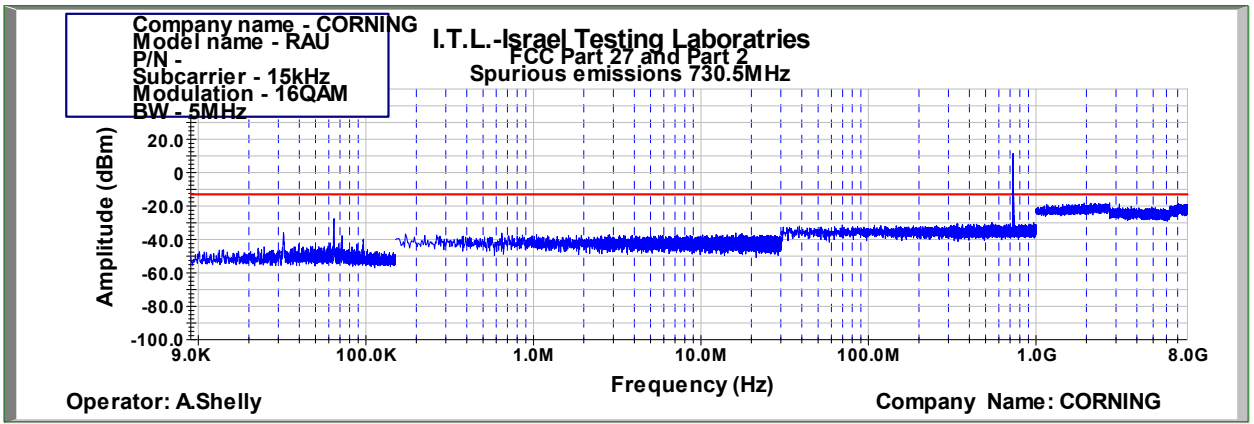


Figure 405: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 730.5MHz, 15kHz

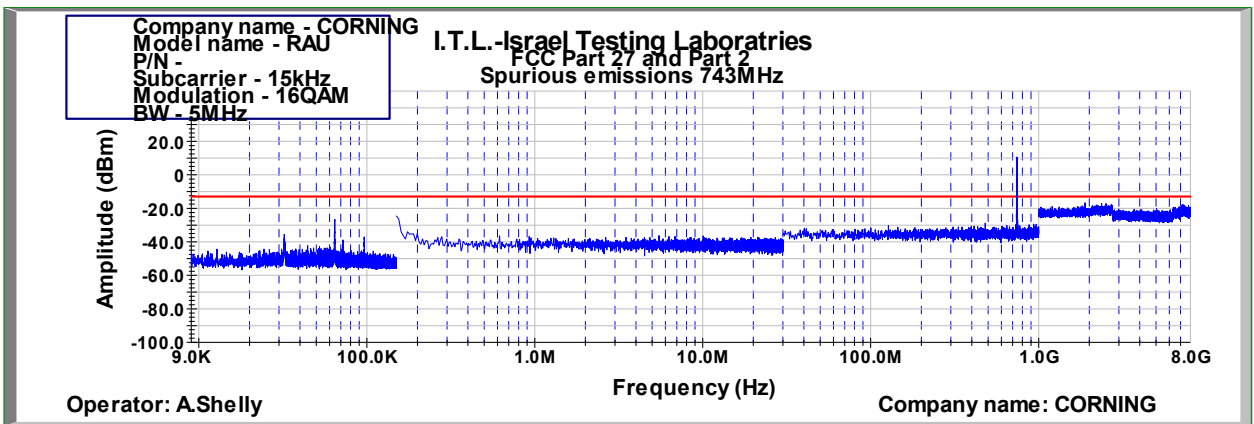


Figure 406: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 743.0MHz, 15kHz

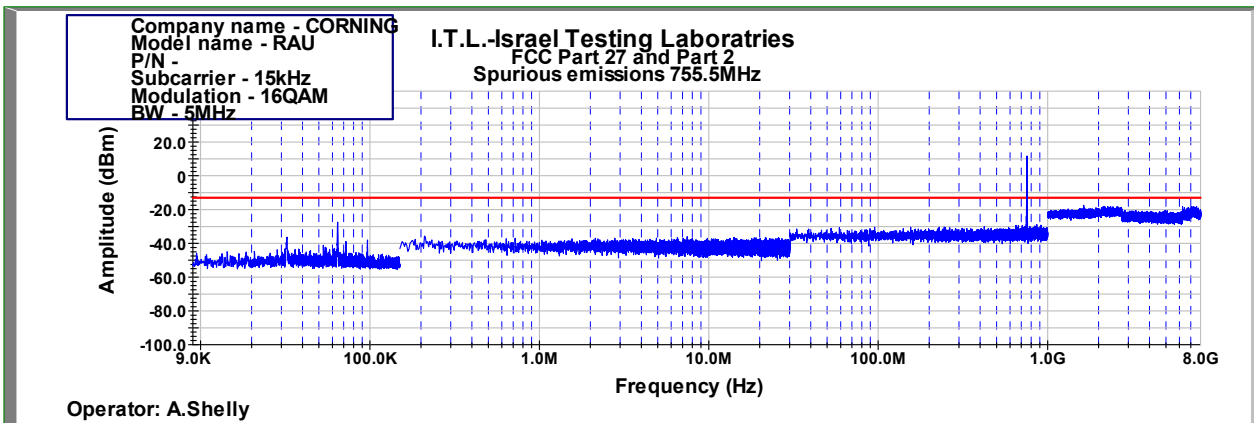


Figure 407: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 755.5MHz, 15kHz

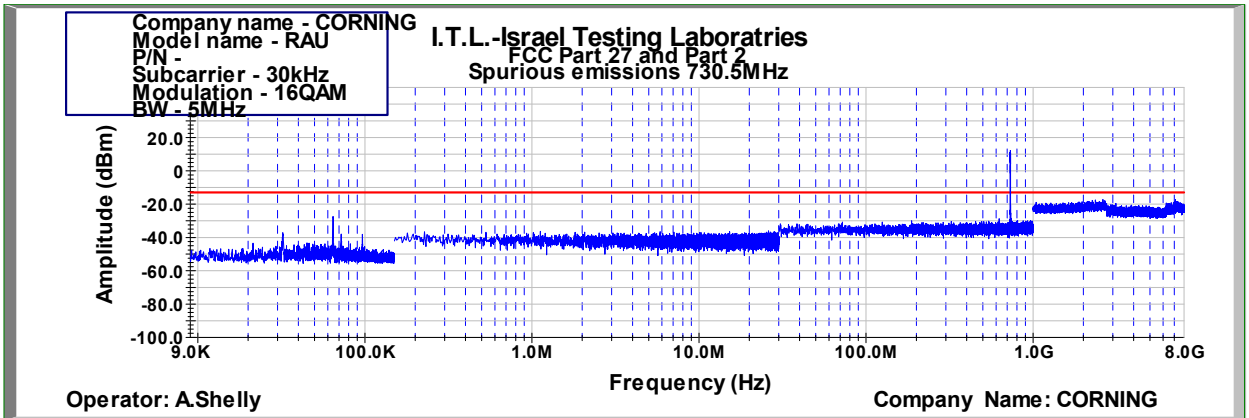


Figure 408: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 730.5MHz, 30kHz

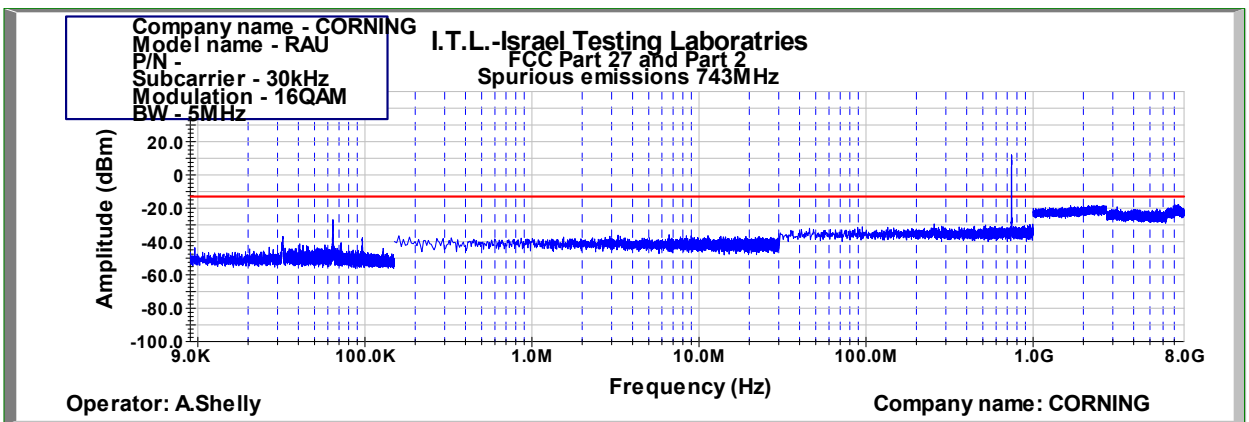


Figure 409: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 743MHz, 15kHz

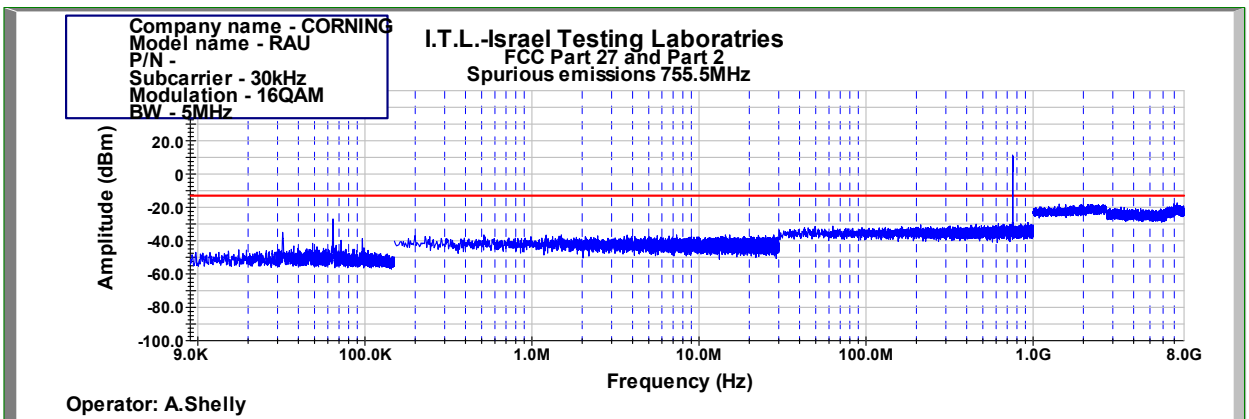


Figure 410: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 755.5MHz, 30kHz

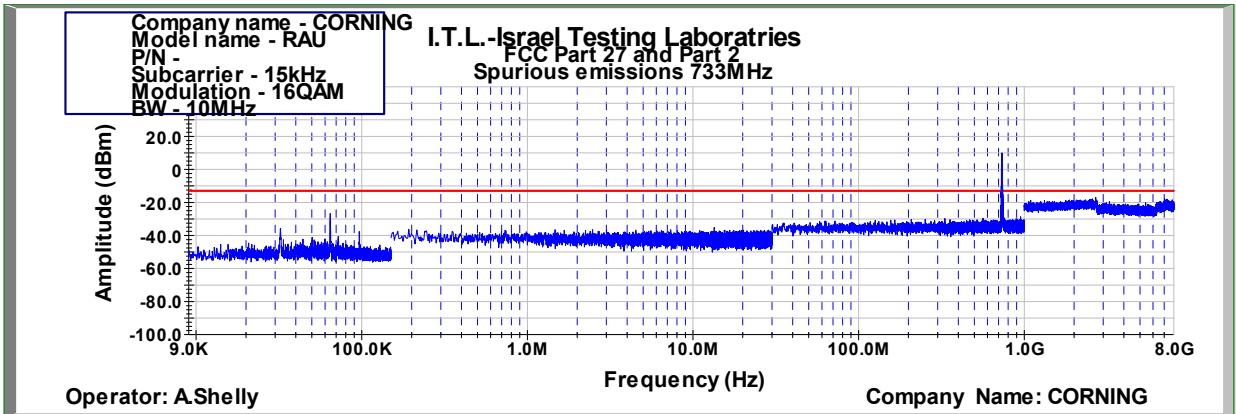


Figure 411: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 733.0MHz, 15kHz

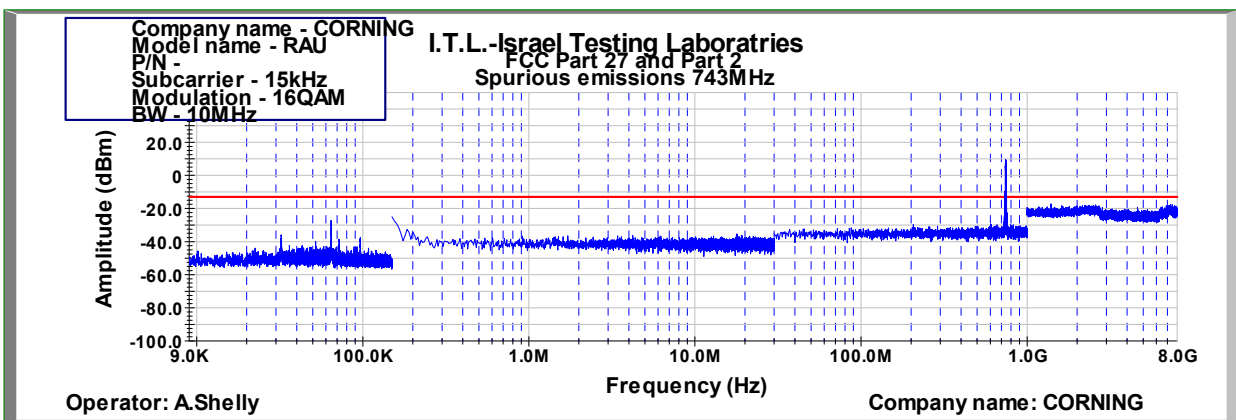


Figure 412: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 743.0MHz, 15kHz

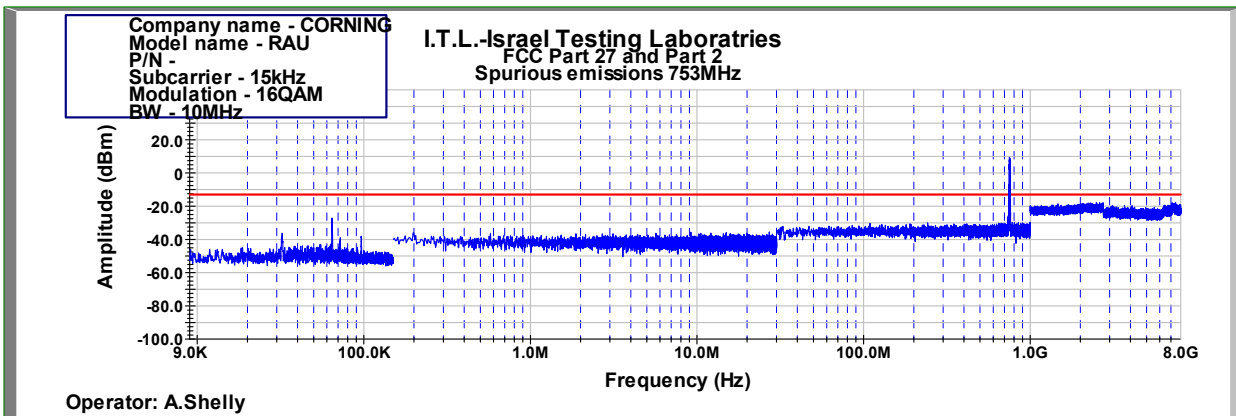


Figure 413: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 753.0MHz, 15kHz

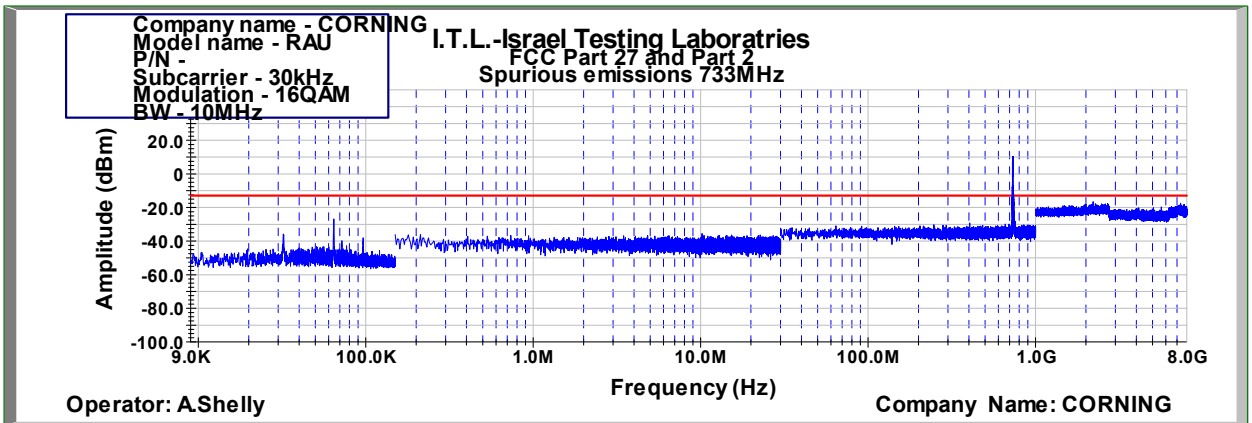


Figure 414: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 733.0MHz, 30kHz

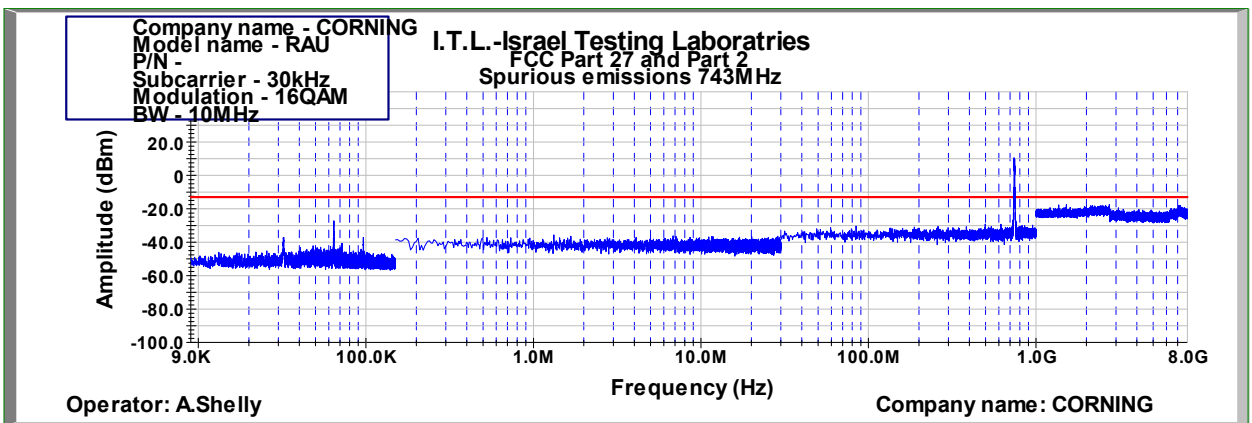


Figure 415: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 743.0MHz, 30kHz

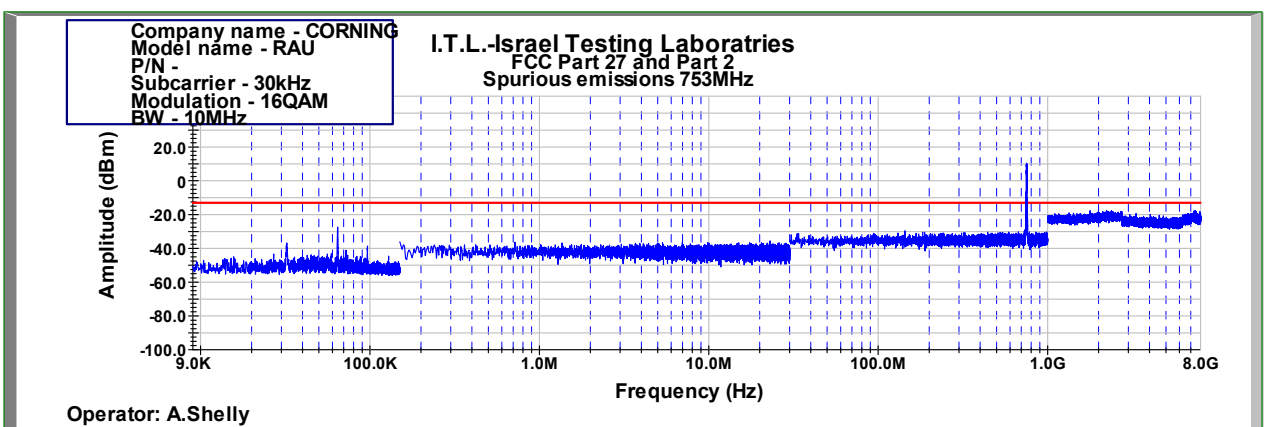


Figure 416: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 753.0MHz, 30kHz

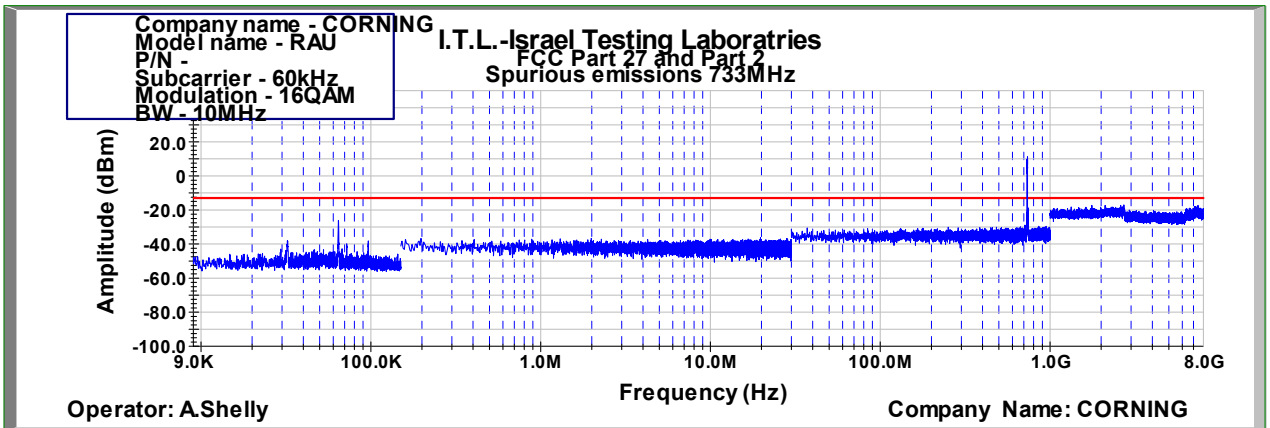


Figure 417: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 733.0MHz, 60kHz

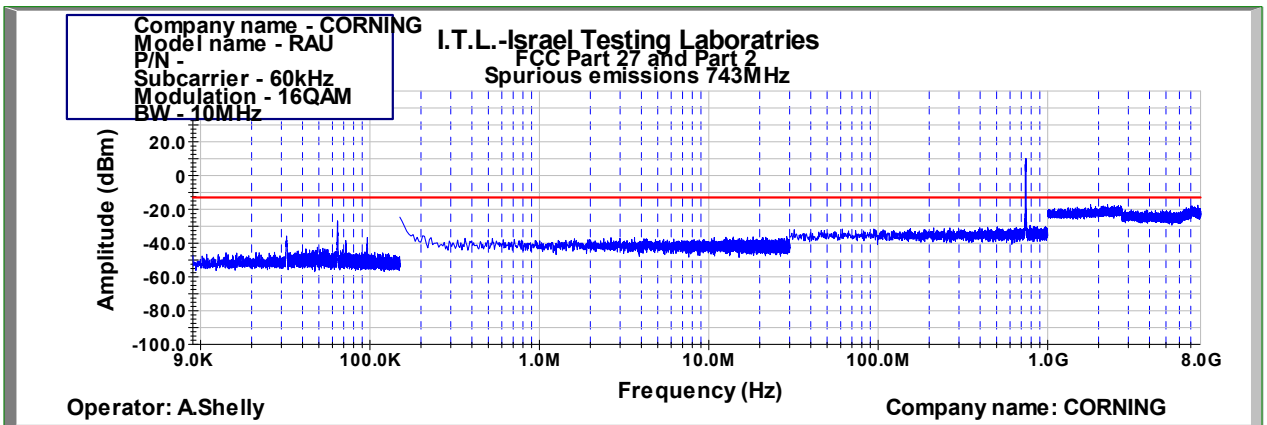


Figure 418: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 743.MHz, 60kHz

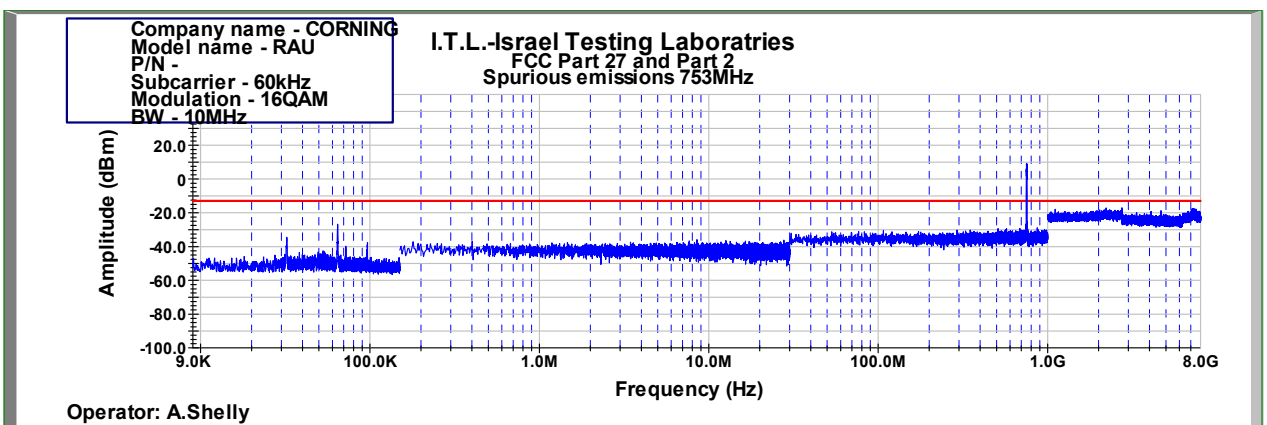


Figure 419: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 753.0MHz, 60kHz

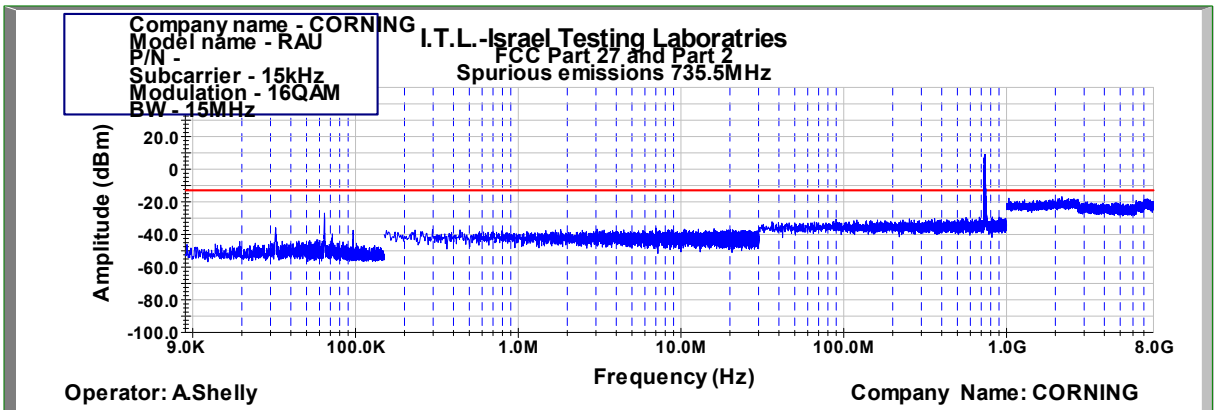


Figure 420: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 735.5MHz, 15kHz

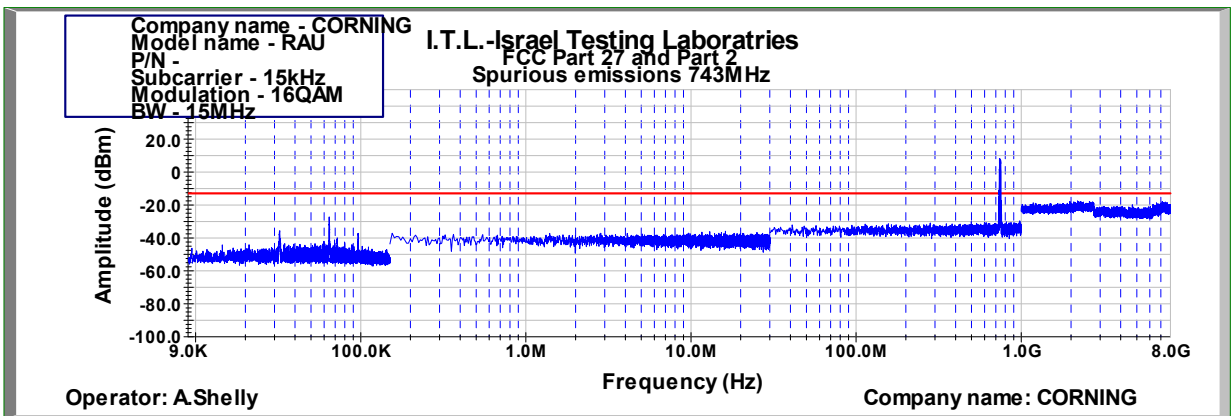


Figure 421: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 743.0MHz, 15kHz

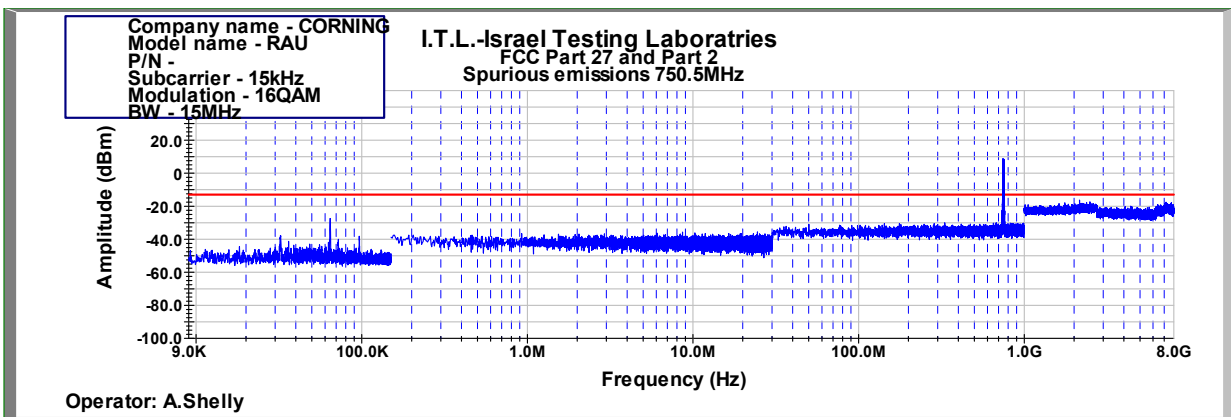


Figure 422: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 750.5MHz, 15kHz

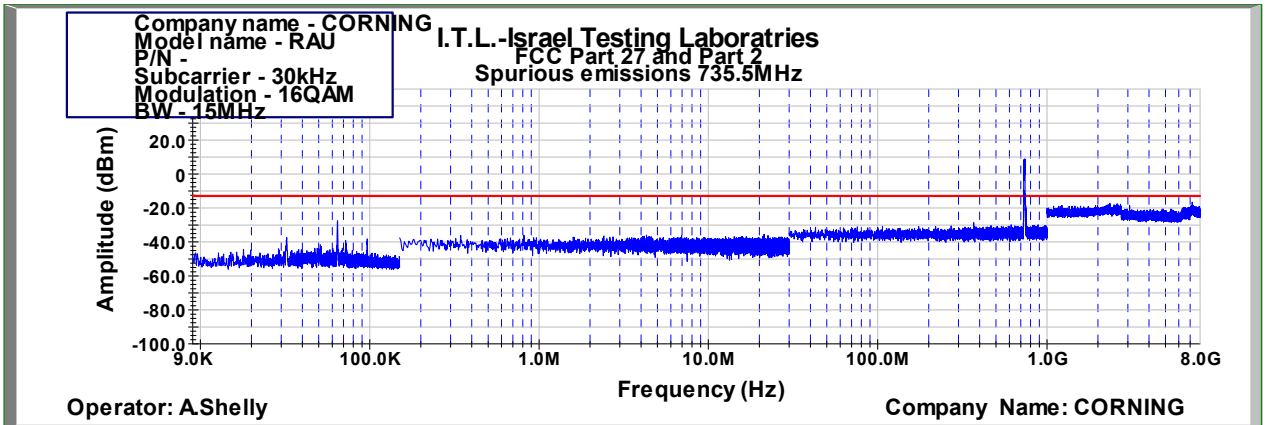


Figure 423: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 735.5MHz, 30kHz

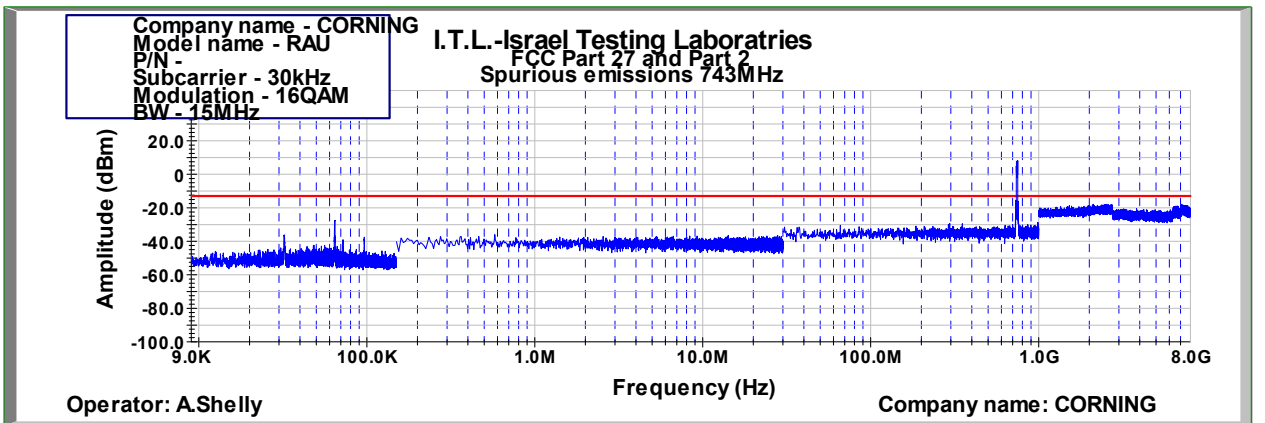


Figure 424: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 743.0MHz, 30kHz

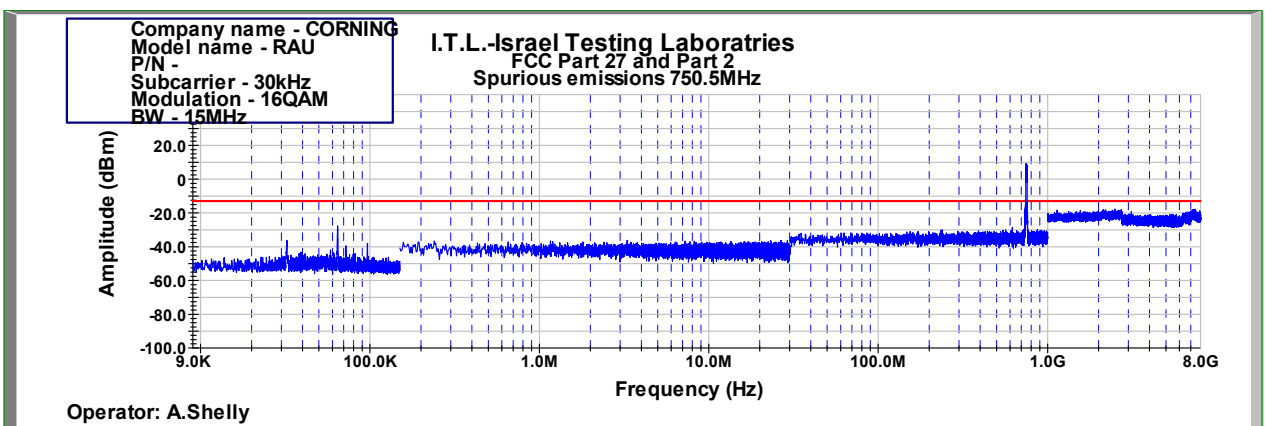


Figure 425: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 750.5MHz, 30kHz



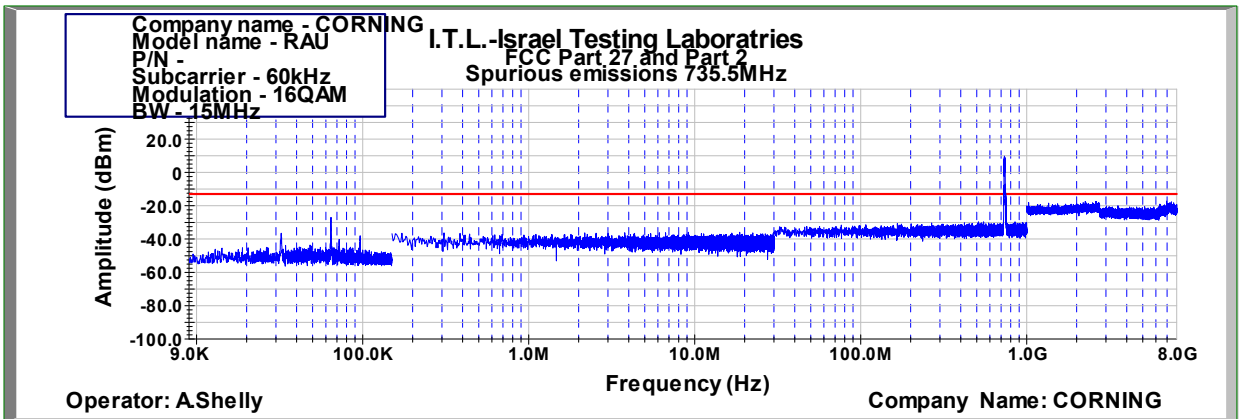


Figure 426: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 750.5MHz, 60kHz

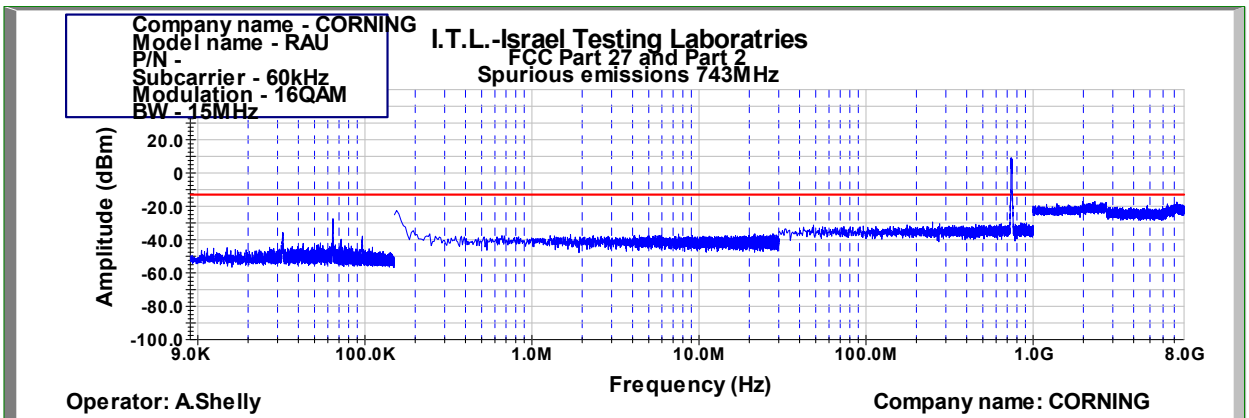


Figure 427: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 743MHz, 60kHz

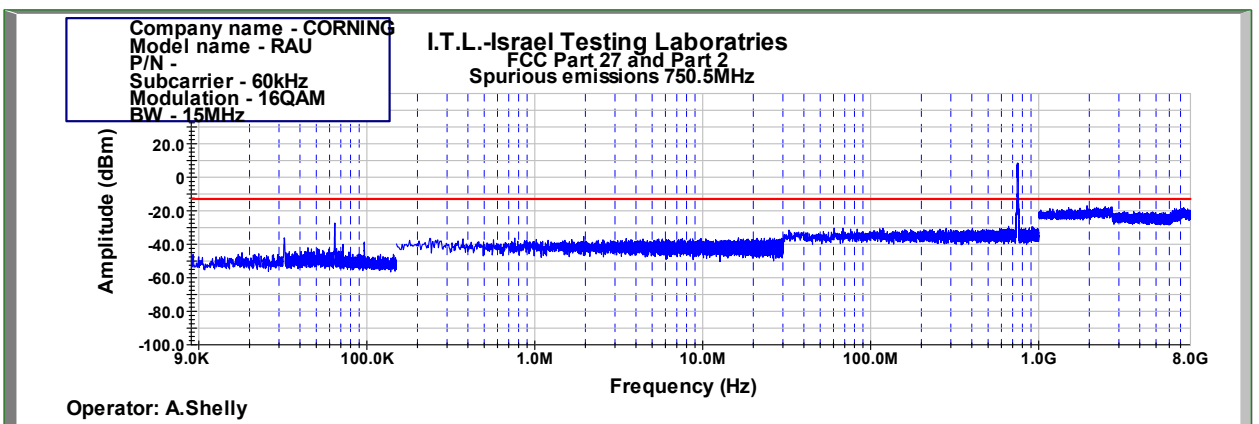


Figure 428: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 750.5MHz, 60kHz

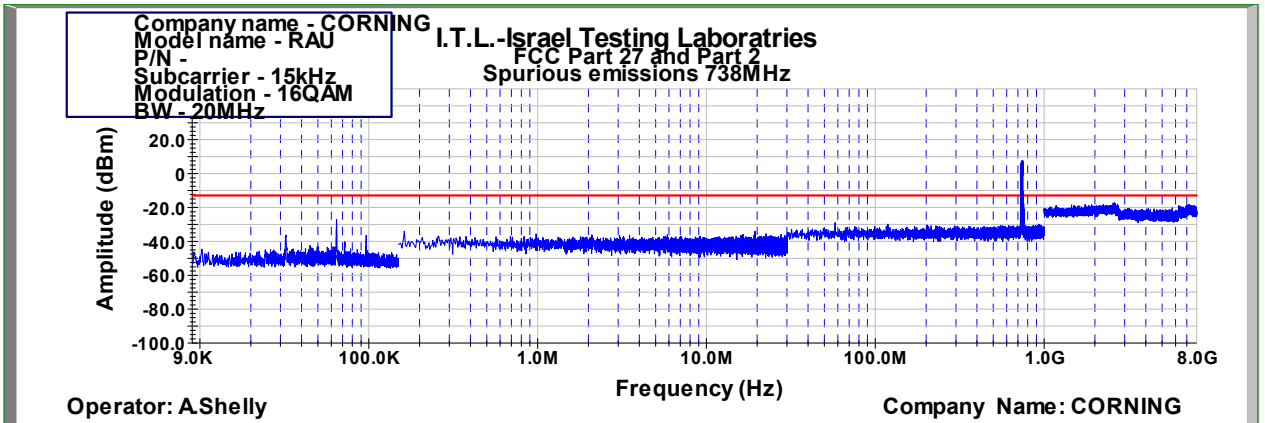


Figure 429: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 738.0MHz, 15kHz

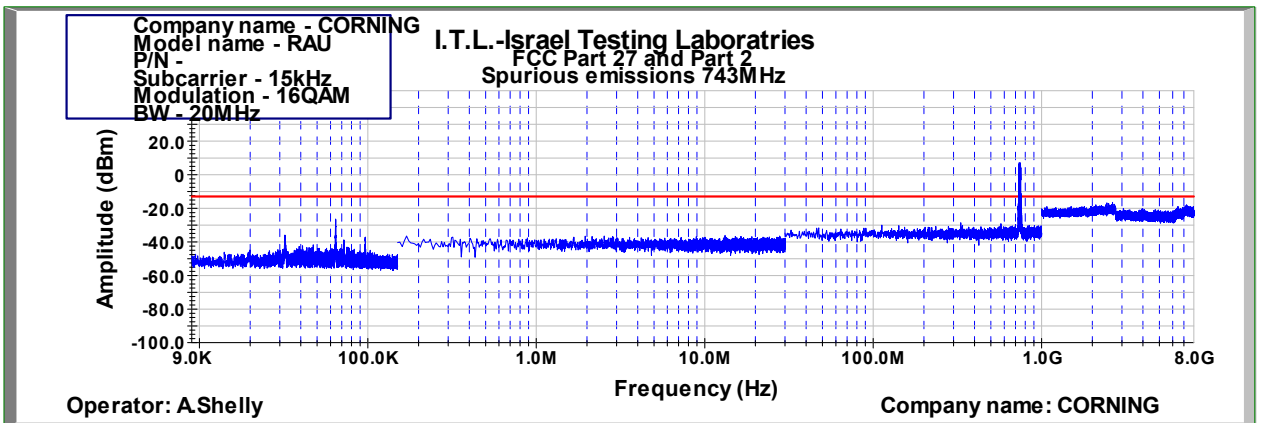


Figure 430: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 743.0MHz, 15kHz

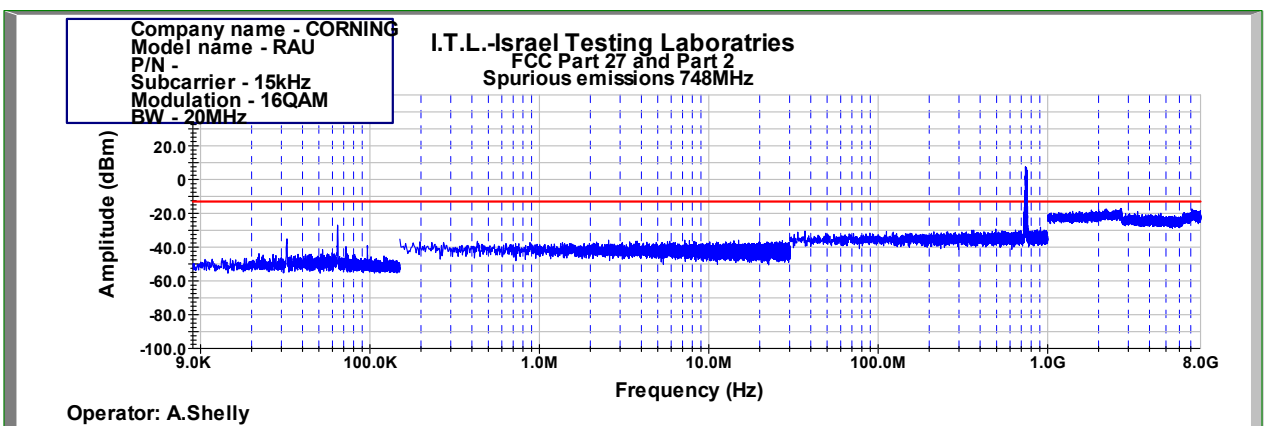


Figure 431: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 748.0MHz, 15kHz

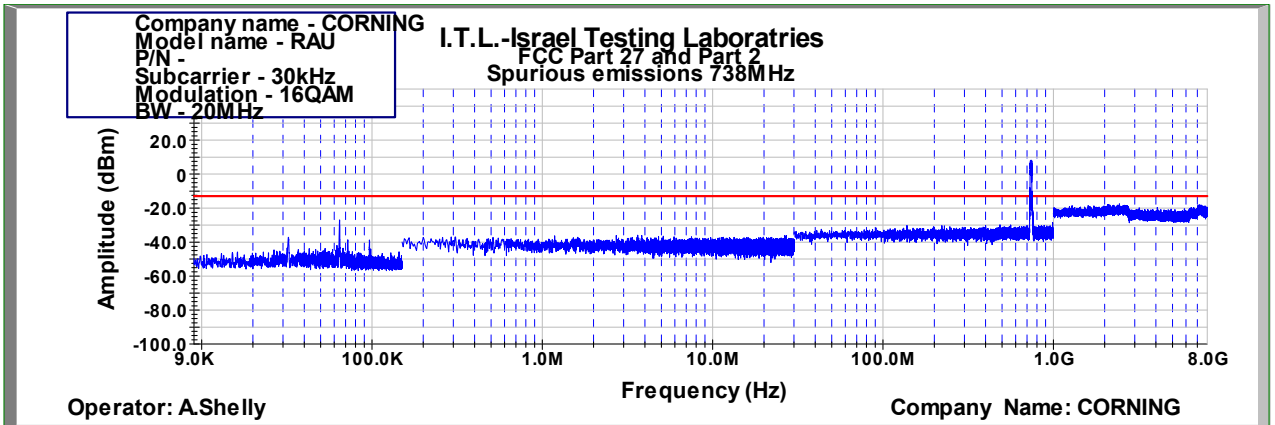


Figure 432: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 738.0MHz, 30kHz

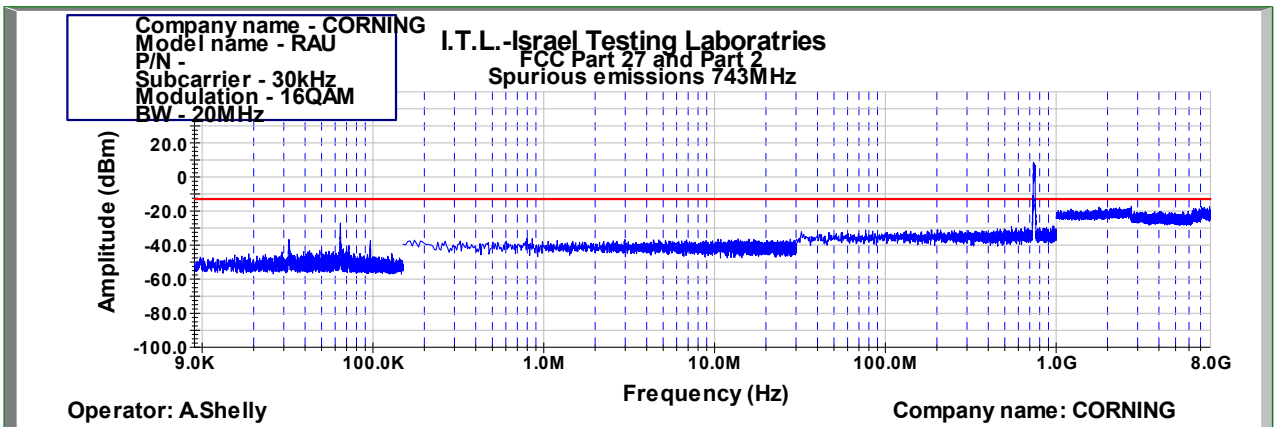


Figure 433: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 743.0MHz, 30kHz

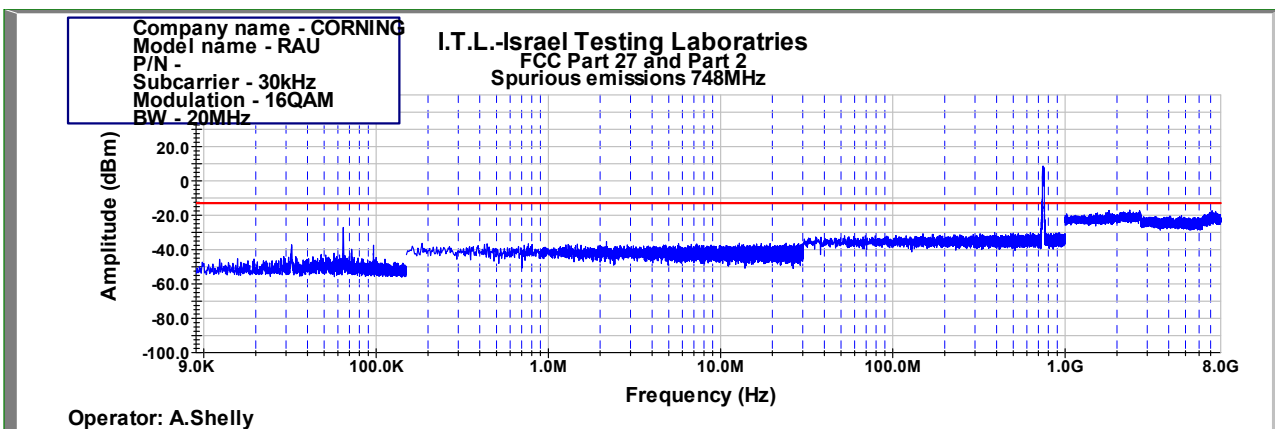


Figure 434: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 748.0MHz, 30kHz

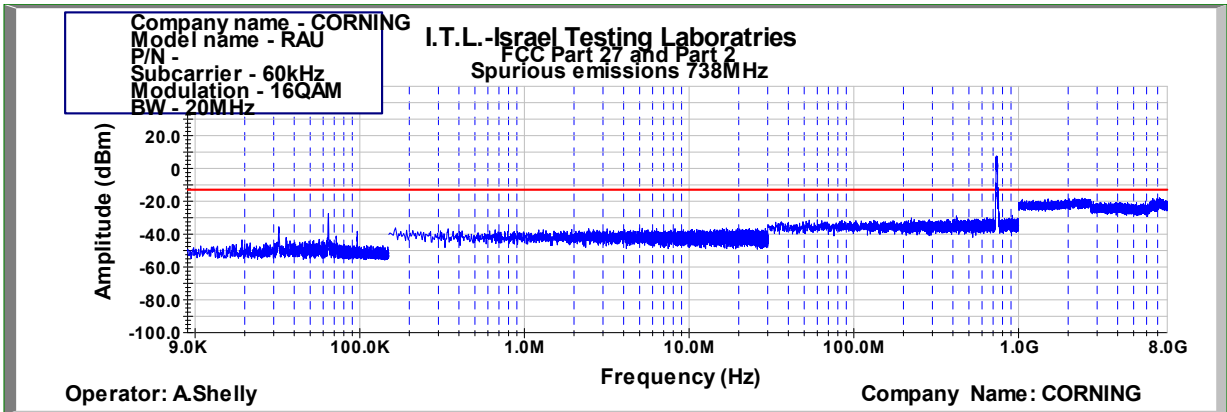


Figure 435: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 748.0MHz, 60kHz

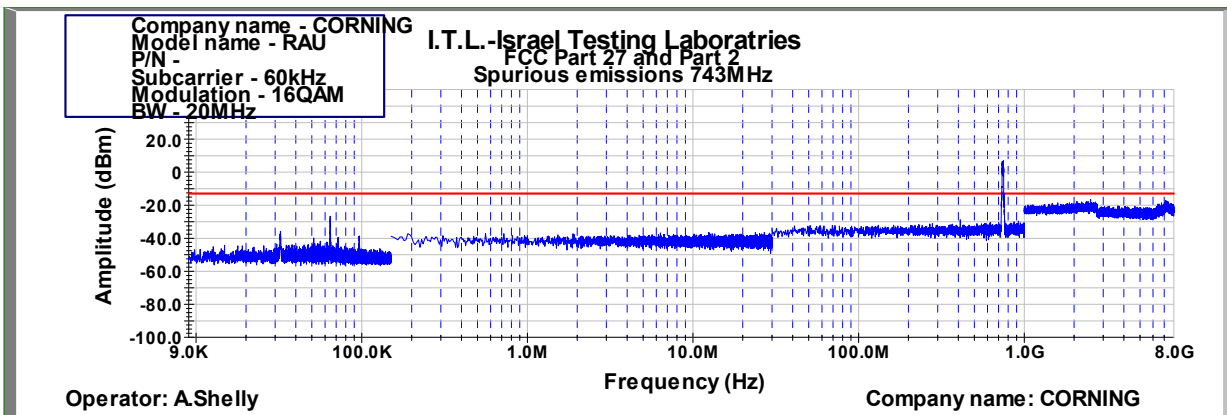


Figure 436: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 748.0MHz, 60kHz

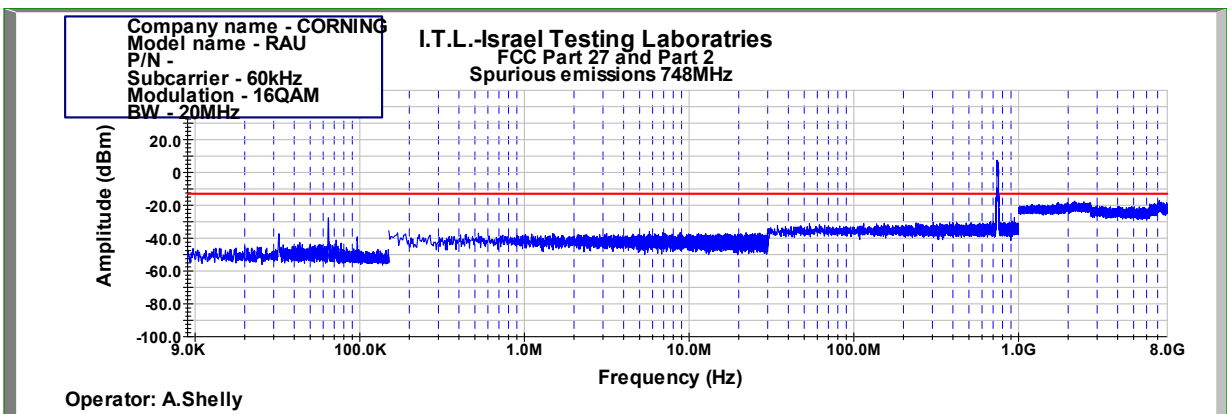


Figure 437: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 748.0MHz, 60kHz

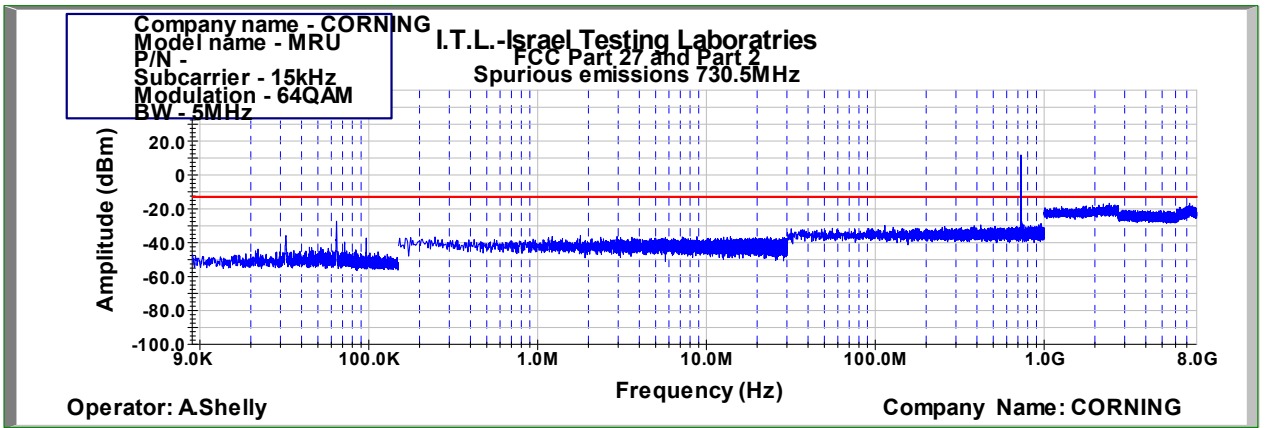


Figure 438: Spurious Emissions at Antenna Terminal 64QAM 5MHz B.W.; 730.5MHz, 15kHz

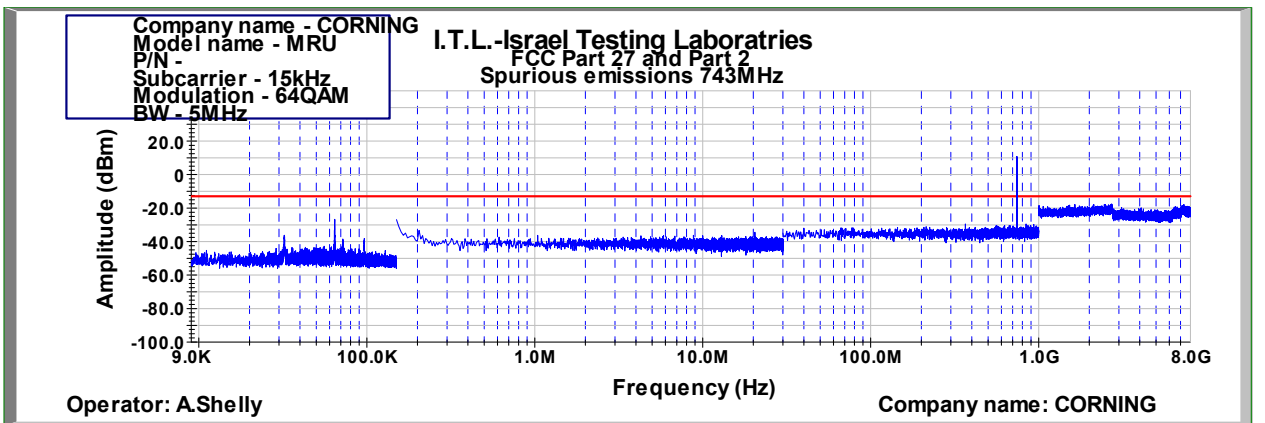


Figure 439: Spurious Emissions at Antenna Terminal 64QAM 5MHz B.W.; 743MHz, 15kHz

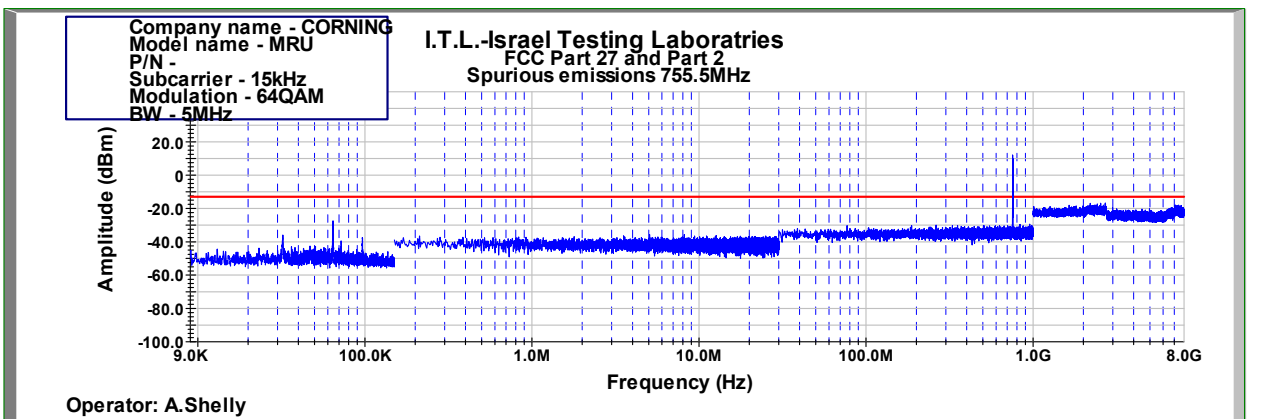


Figure 440: Spurious Emissions at Antenna Terminal 64QAM 5MHz B.W.; 755.5MHz, 15kHz

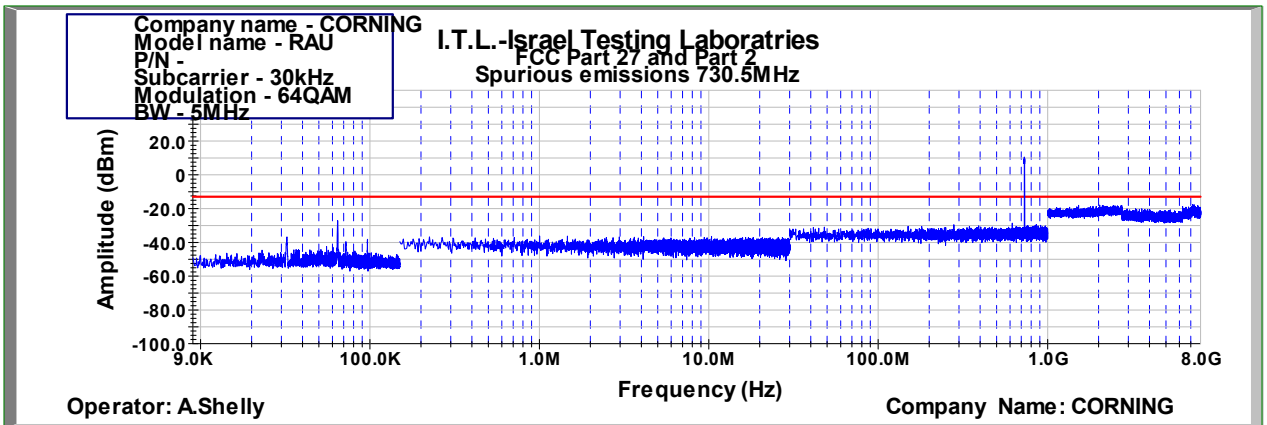


Figure 441: Spurious Emissions at Antenna Terminal 64QAM 5MHz B.W.; 730.5MHz, 30kHz

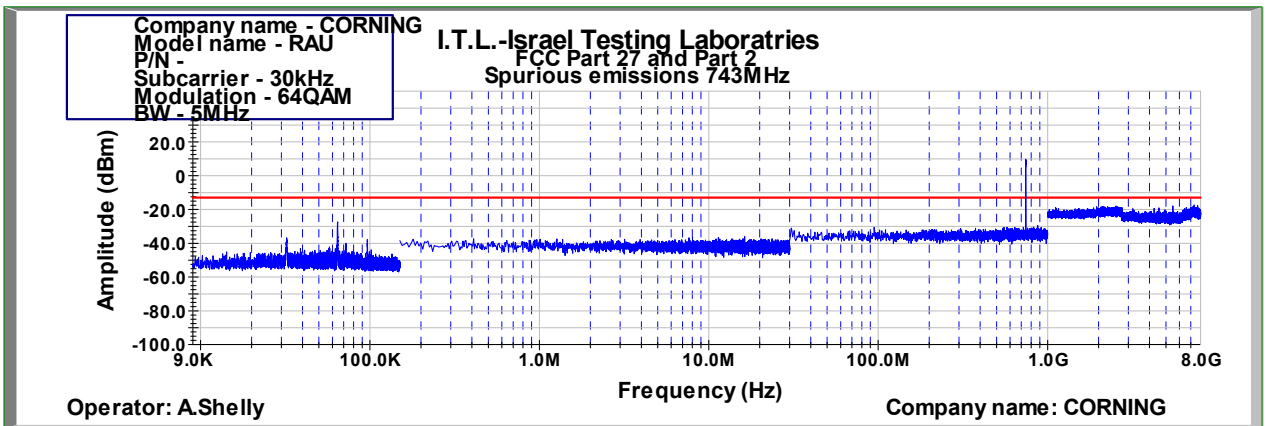


Figure 442: Spurious Emissions at Antenna Terminal 64QAM 5MHz B.W.; 743.0MHz, 15kHz

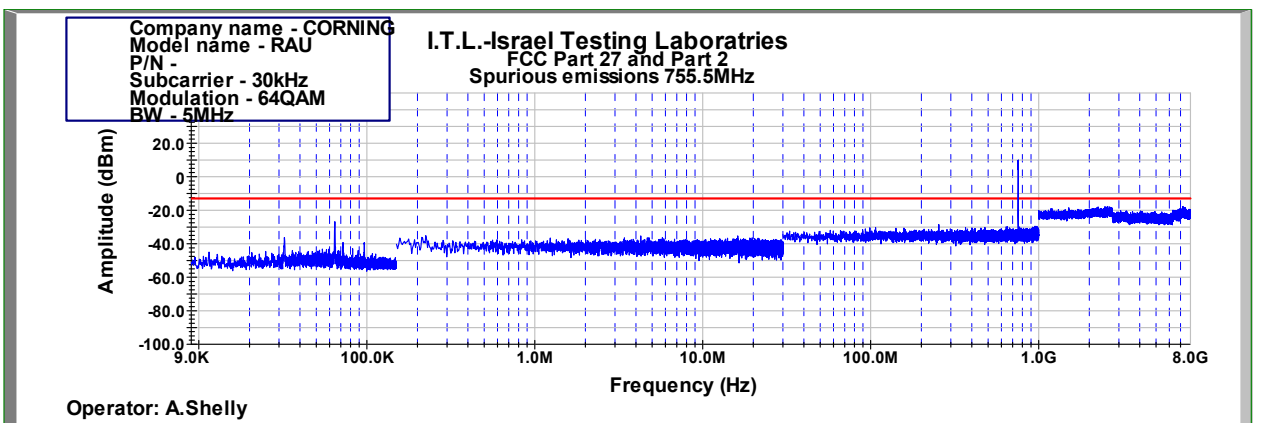


Figure 443: Spurious Emissions at Antenna Terminal 64QAM 5MHz B.W.; 755.5MHz, 30kHz

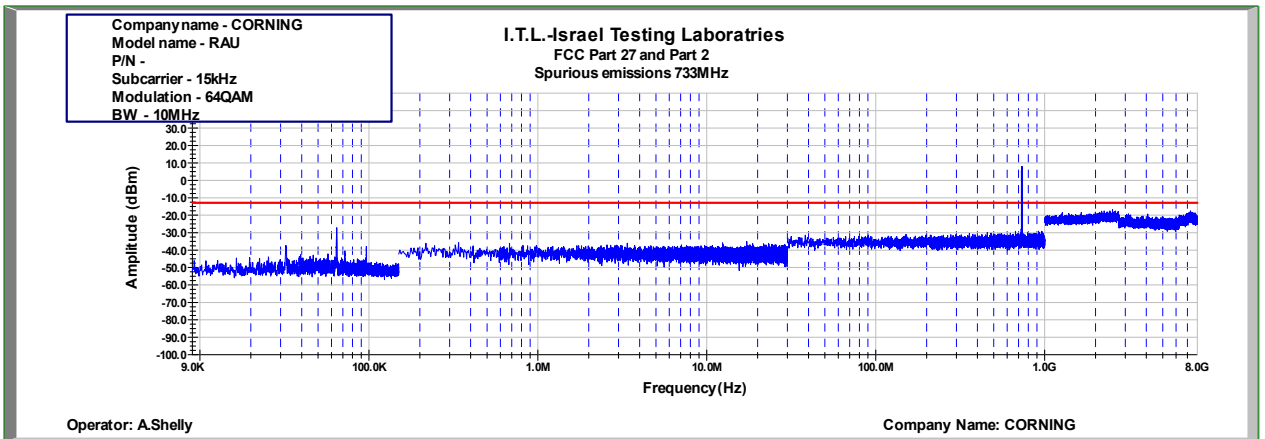


Figure 444: Spurious Emissions at Antenna Terminal 64QAM 10MHz B.W.; 733.0MHz, 15kHz

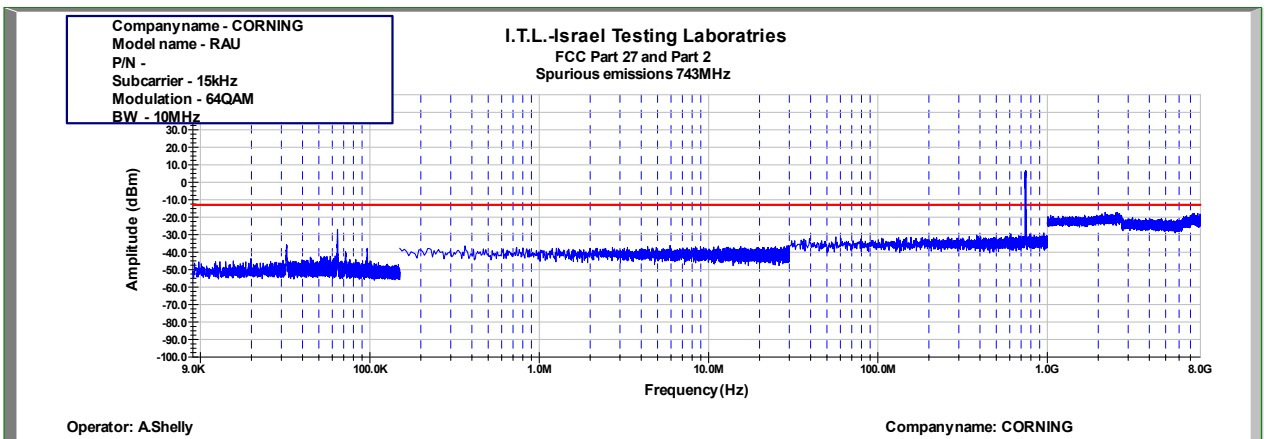


Figure 445: Spurious Emissions at Antenna Terminal 64QAM 10MHz B.W.; 743.0MHz, 15kHz

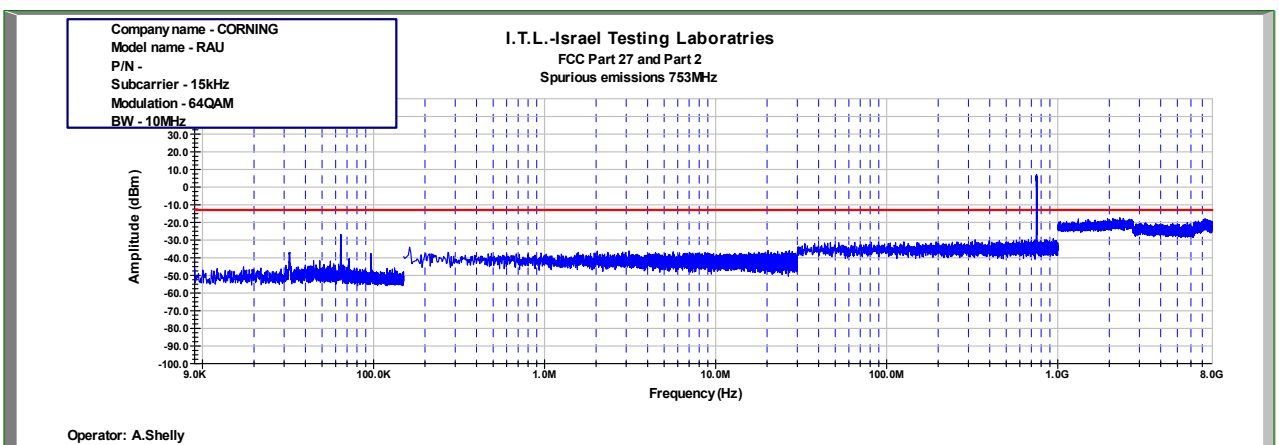


Figure 446: Spurious Emissions at Antenna Terminal 64QAM 10MHz B.W.; 753.0MHz, 15kHz

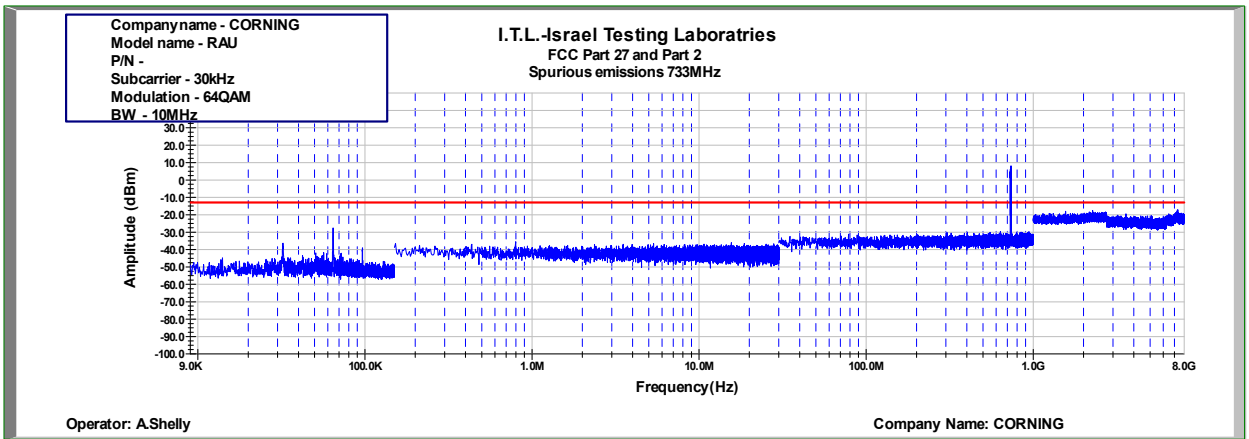


Figure 447: Spurious Emissions at Antenna Terminal 64QAM 10MHz B.W.; 733.0MHz, 30kHz

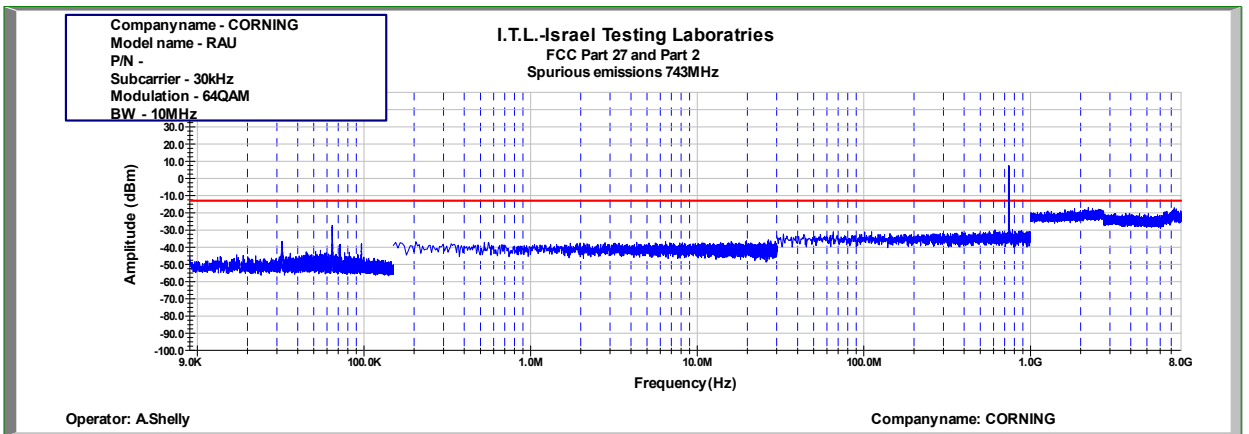


Figure 448: Spurious Emissions at Antenna Terminal 64QAM 10MHz B.W.; 743.0MHz, 30kHz

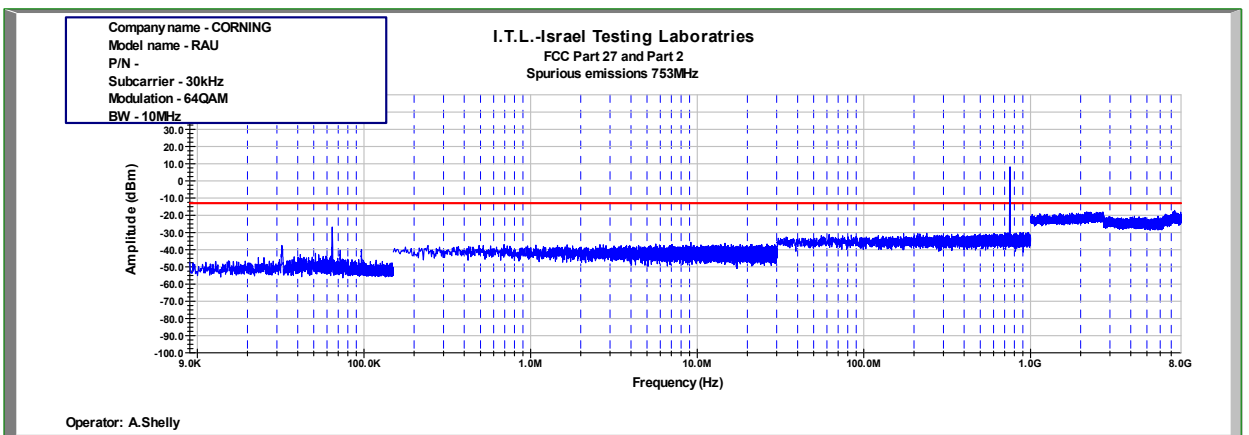


Figure 449: Spurious Emissions at Antenna Terminal 64QAM 10MHz B.W.; 753.0MHz, 30kHz



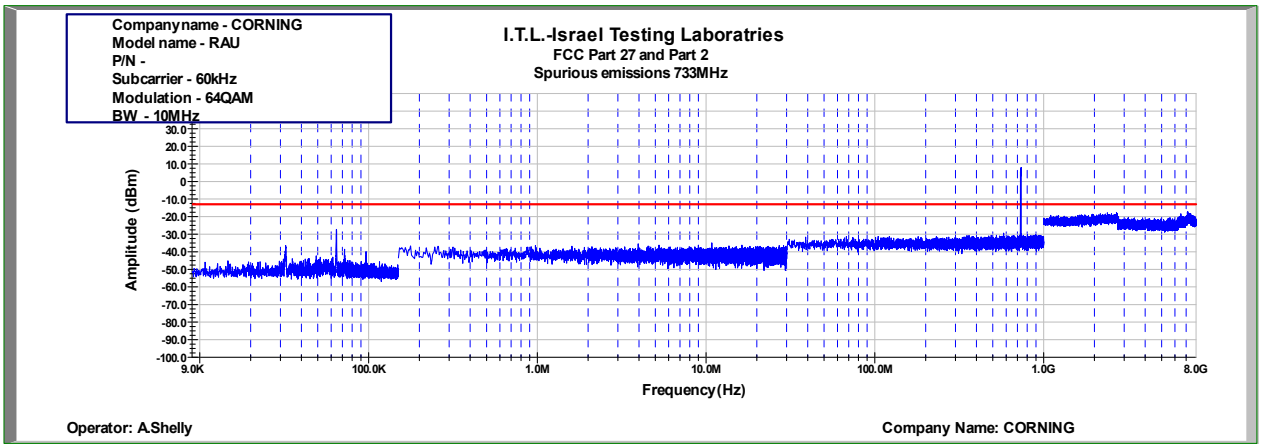


Figure 450: Spurious Emissions at Antenna Terminal 64QAM 10MHz B.W.; 733.0MHz, 60kHz

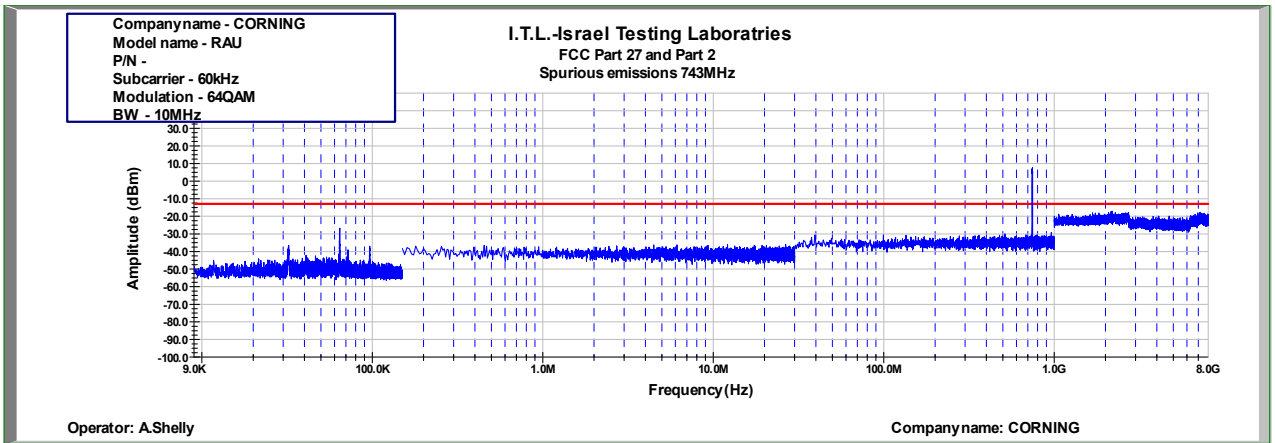


Figure 451: Spurious Emissions at Antenna Terminal 64QAM 10MHz B.W.; 743.0MHz, 60kHz

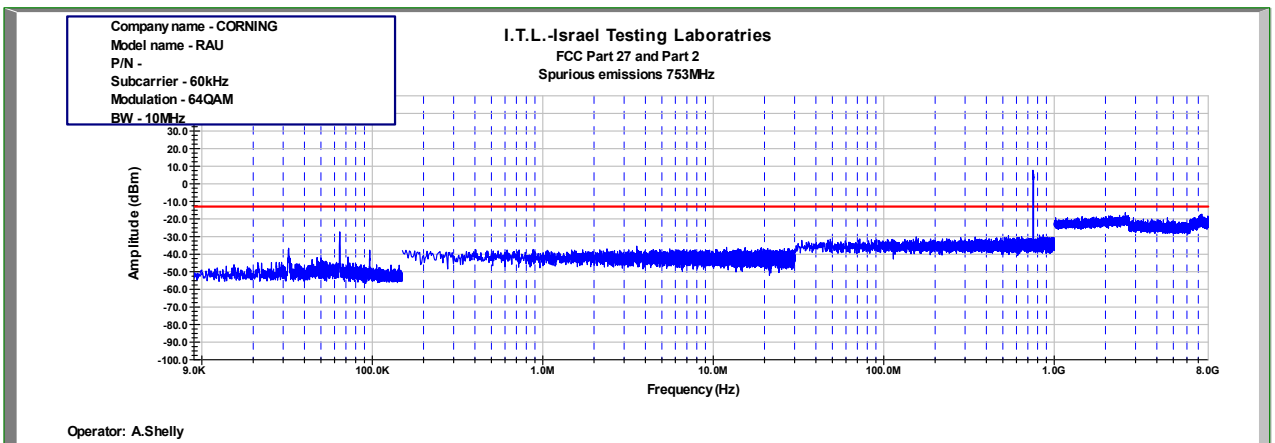


Figure 452: Spurious Emissions at Antenna Terminal 64QAM 10MHz B.W.; 753.0MHz, 60kHz

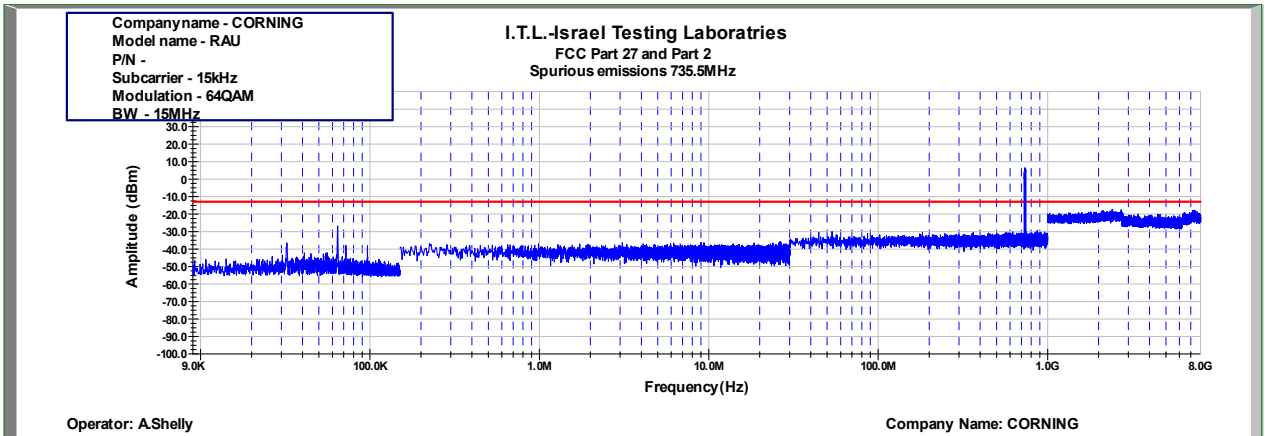


Figure 453: Spurious Emissions at Antenna Terminal 64QAM 15MHz B.W.; 735.5MHz, 15kHz

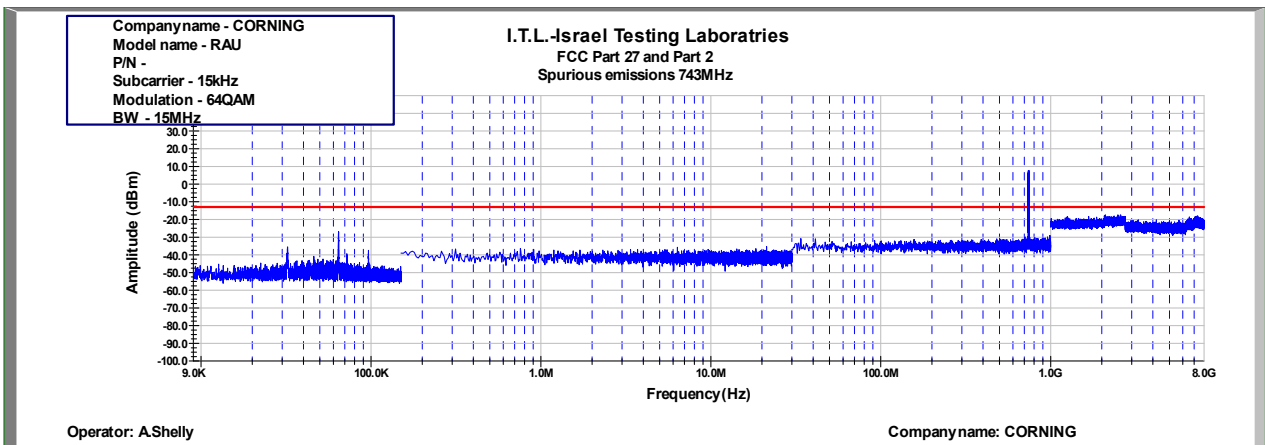


Figure 454: Spurious Emissions at Antenna Terminal 64QAM 15MHz B.W.; 743MHz, 15kHz

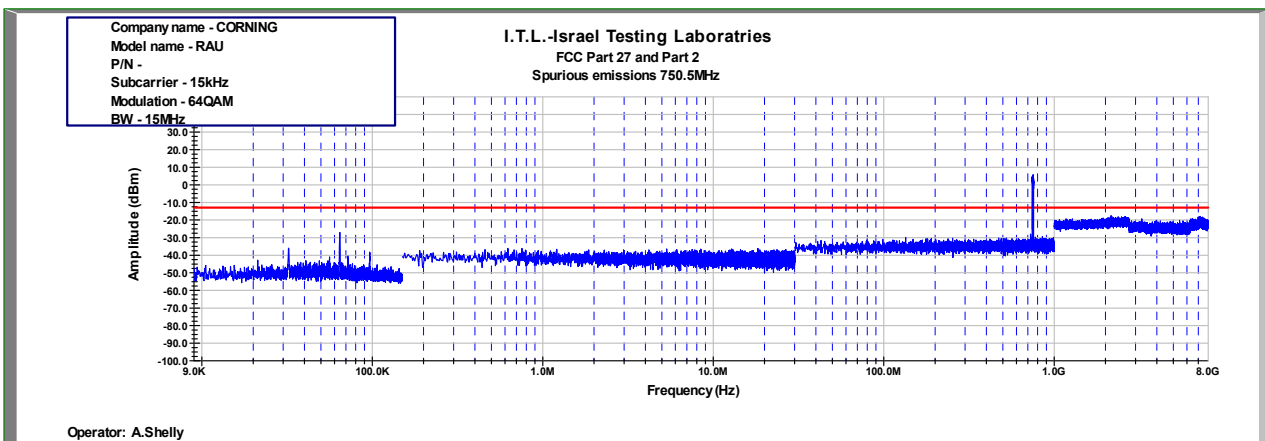


Figure 455: Spurious Emissions at Antenna Terminal 64QAM 15MHz B.W.; 750.5MHz, 15kHz

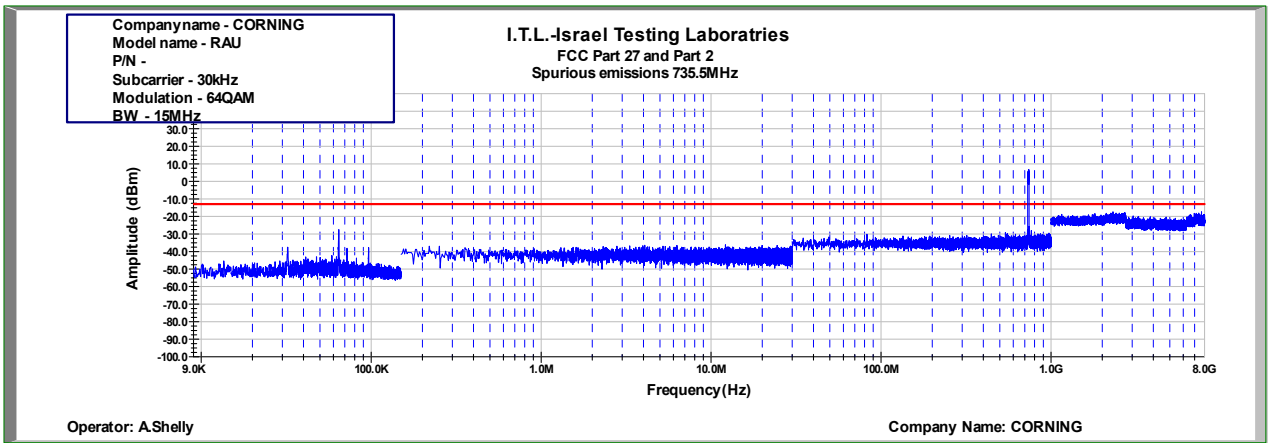


Figure 456: Spurious Emissions at Antenna Terminal 64QAM 15MHz B.W.; 735.5MHz, 30kHz

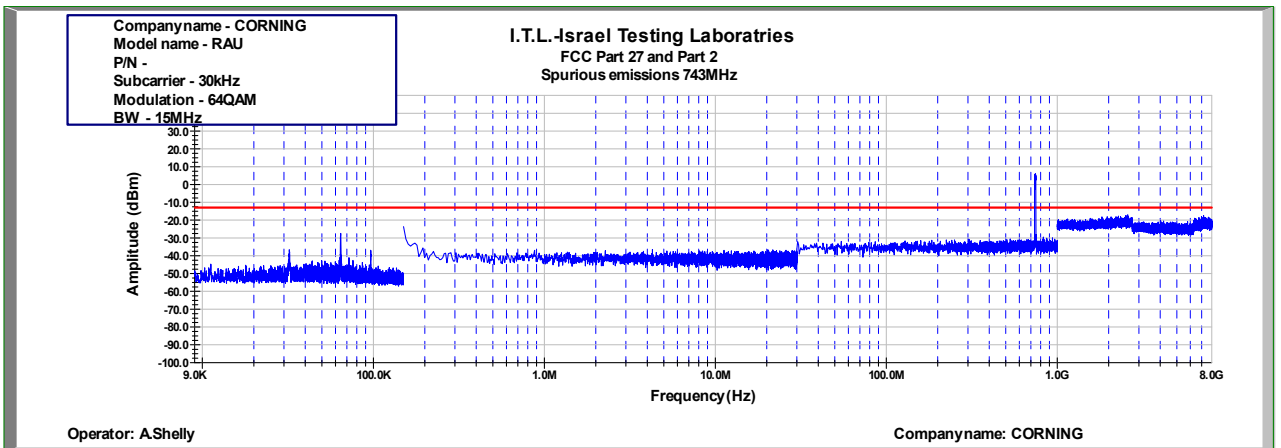


Figure 457: Spurious Emissions at Antenna Terminal 64QAM 15MHz B.W.; 743.0MHz, 30kHz

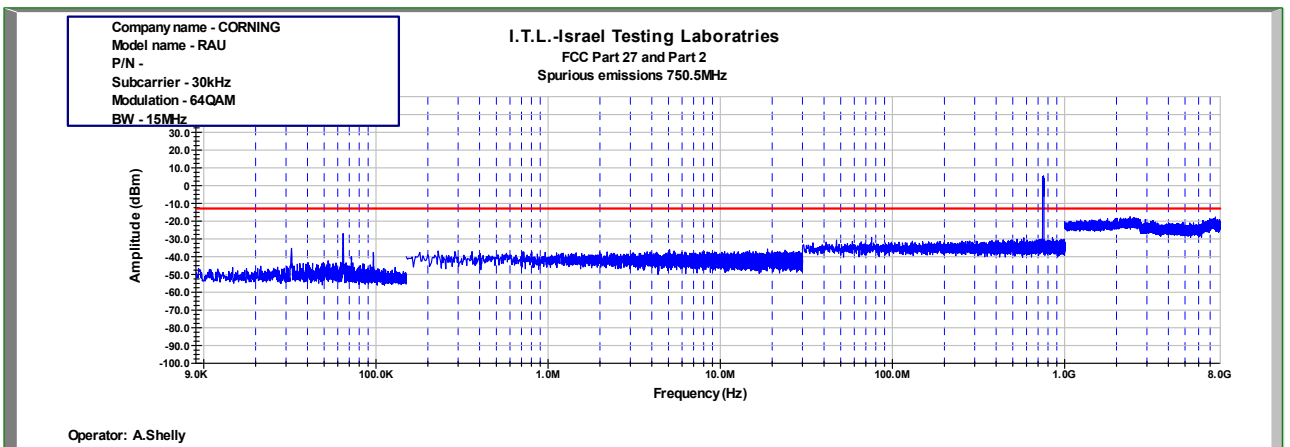


Figure 458: Spurious Emissions at Antenna Terminal 64QAM 15MHz B.W.; 750.5MHz, 30kHz

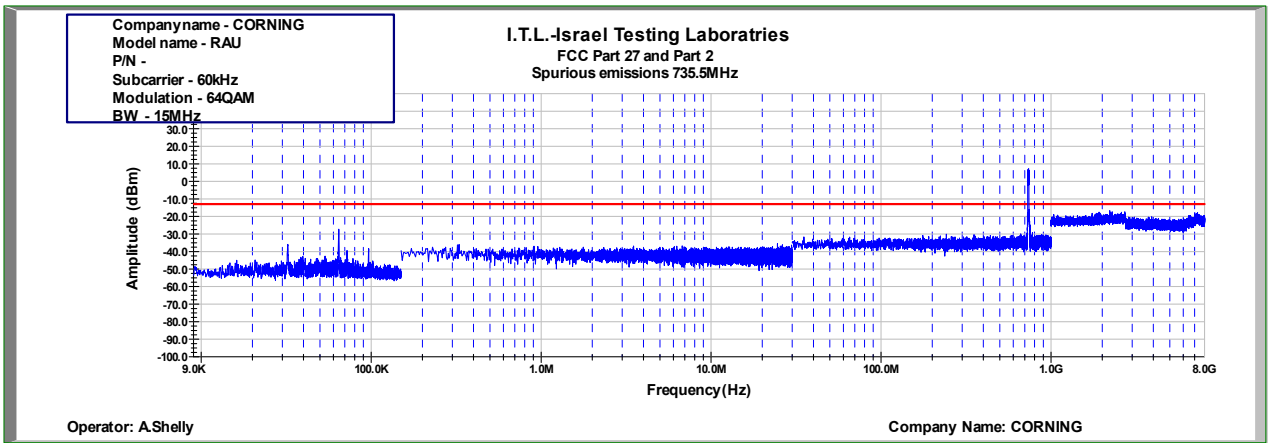


Figure 459: Spurious Emissions at Antenna Terminal 64QAM 15MHz B.W.; 735.5MHz, 60kHz

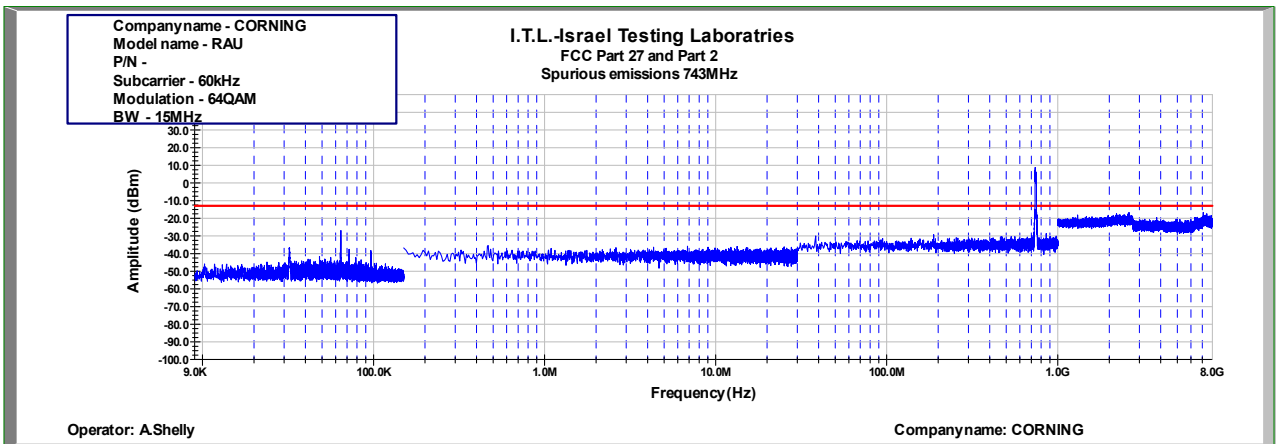


Figure 460: Spurious Emissions at Antenna Terminal 64QAM 15MHz B.W.; 743.0MHz, 60kHz

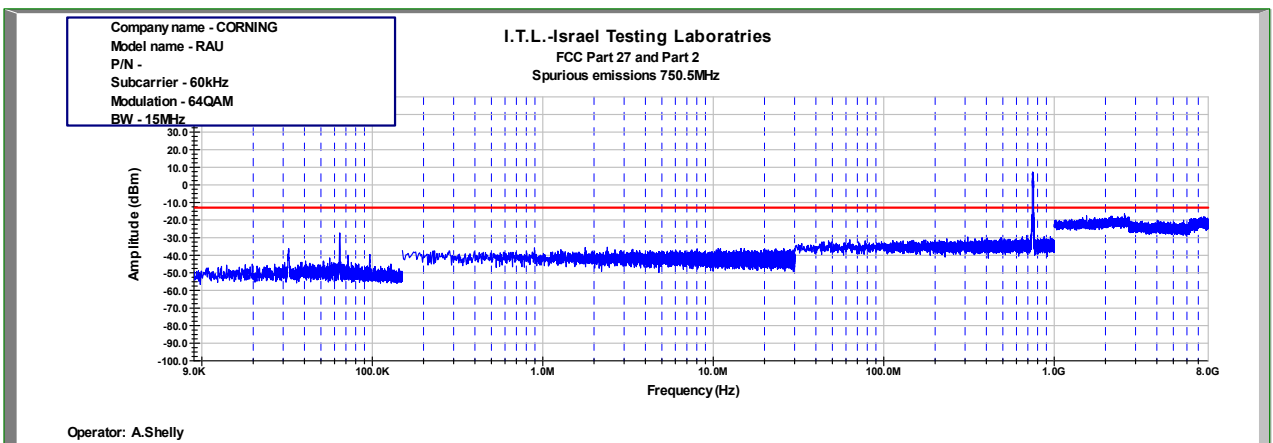


Figure 461: Spurious Emissions at Antenna Terminal 64QAM 15MHz B.W.; 750.5MHz, 60kHz

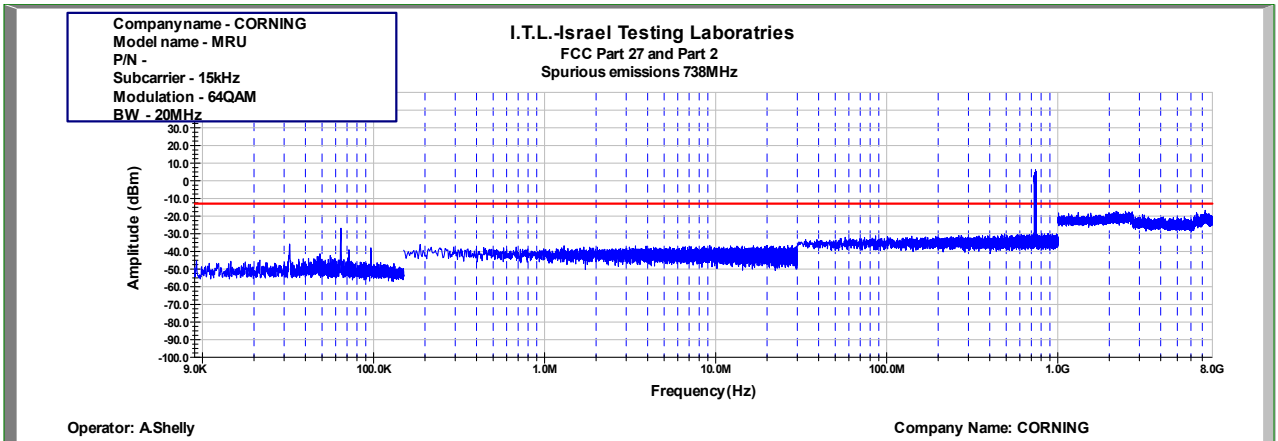


Figure 462: Spurious Emissions at Antenna Terminal 64QAM 20MHz B.W.; 738.0MHz, 15kHz

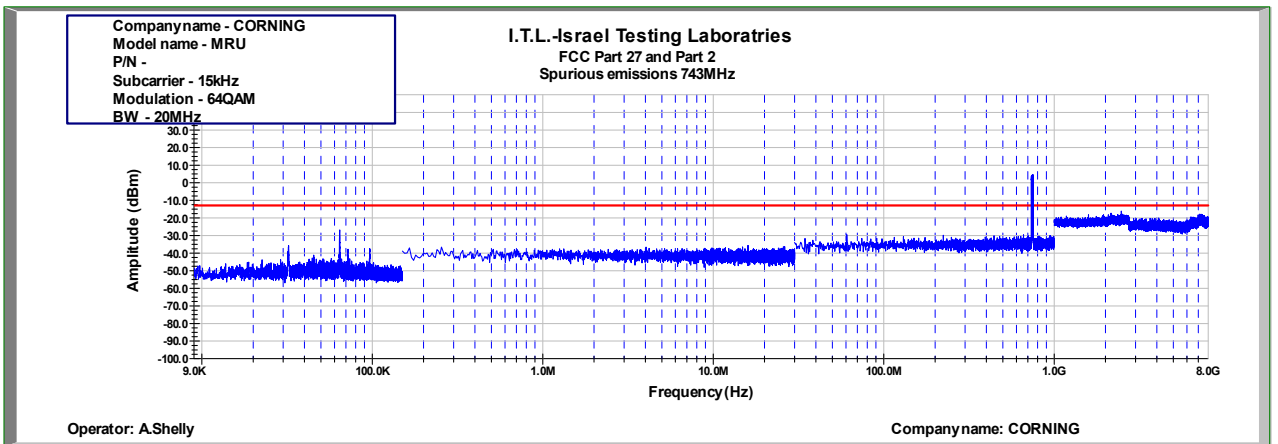


Figure 463: Spurious Emissions at Antenna Terminal 64QAM 20MHz B.W.; 743.0MHz, 15kHz

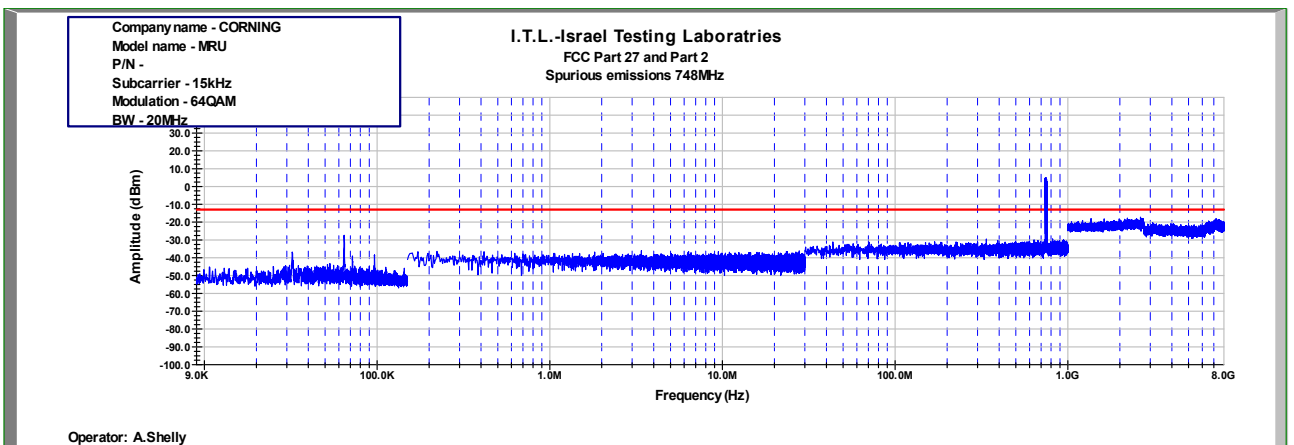


Figure 464: Spurious Emissions at Antenna Terminal 64QAM 20MHz B.W.; 748.0MHz, 15kHz

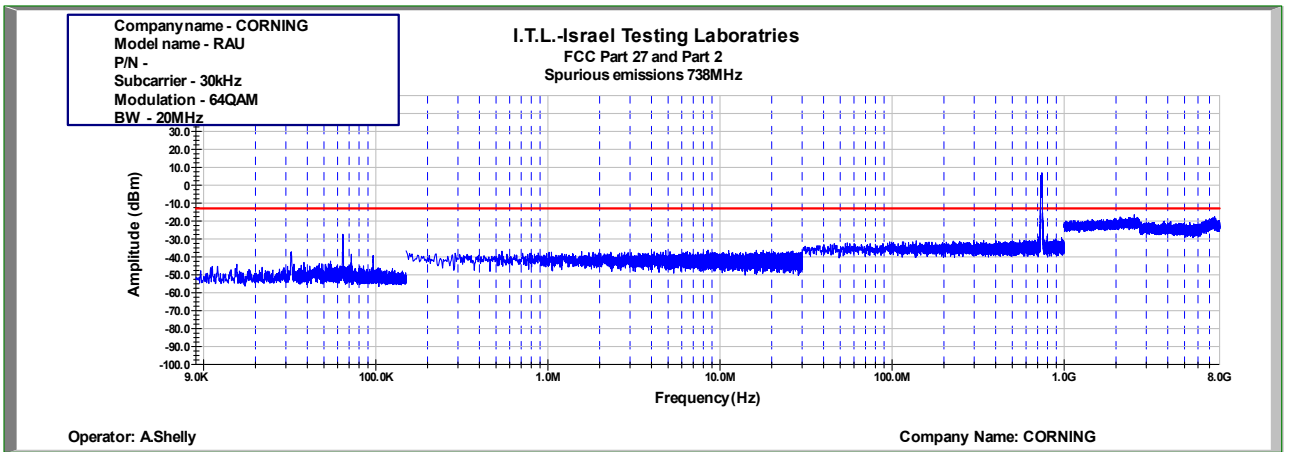


Figure 465: Spurious Emissions at Antenna Terminal 64QAM 20MHz B.W.; 738.0MHz, 30kHz

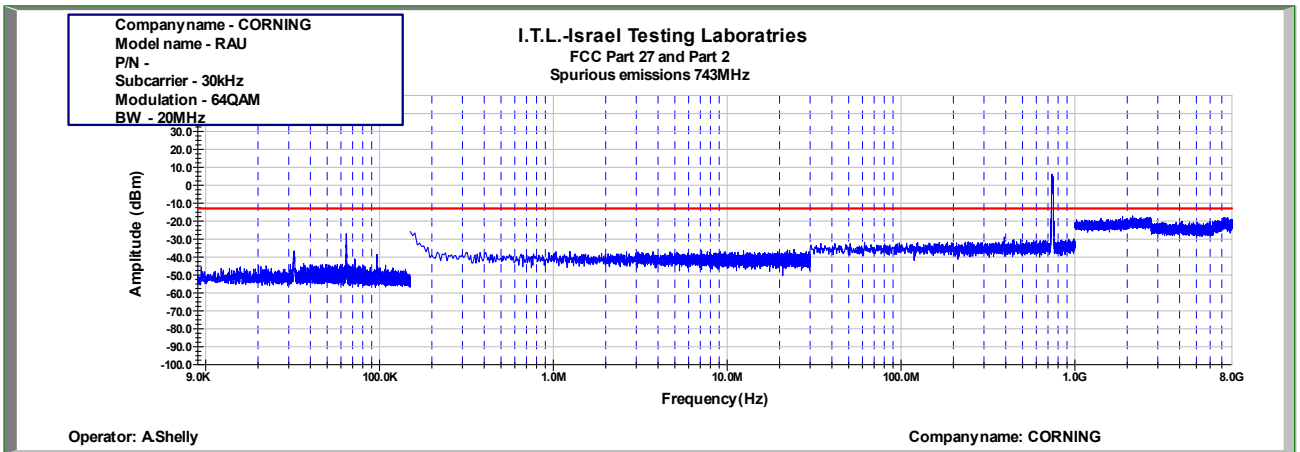


Figure 466: Spurious Emissions at Antenna Terminal 64QAM 20MHz B.W.; 743.0MHz, 30kHz

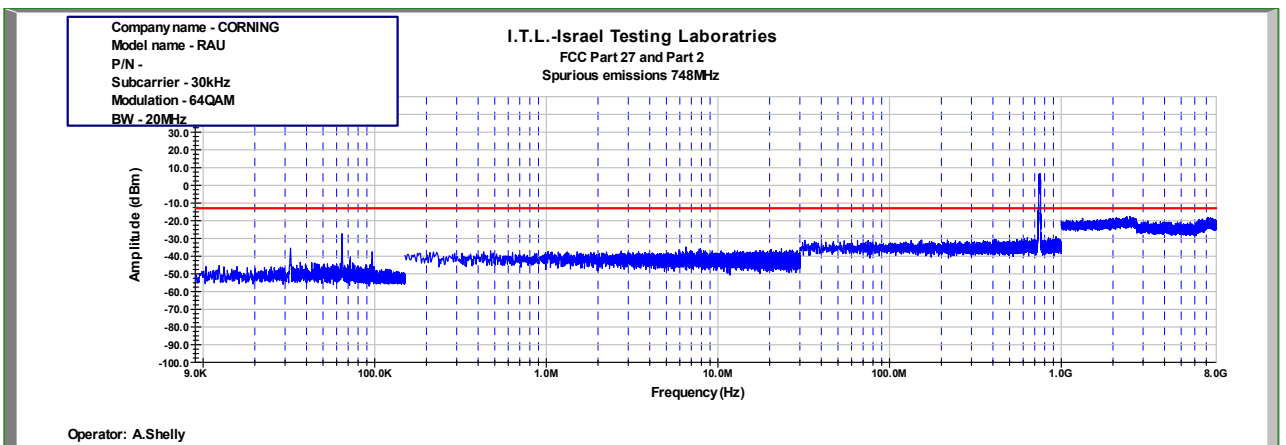


Figure 467: Spurious Emissions at Antenna Terminal 64QAM 20MHz B.W.; 748.0MHz, 30kHz

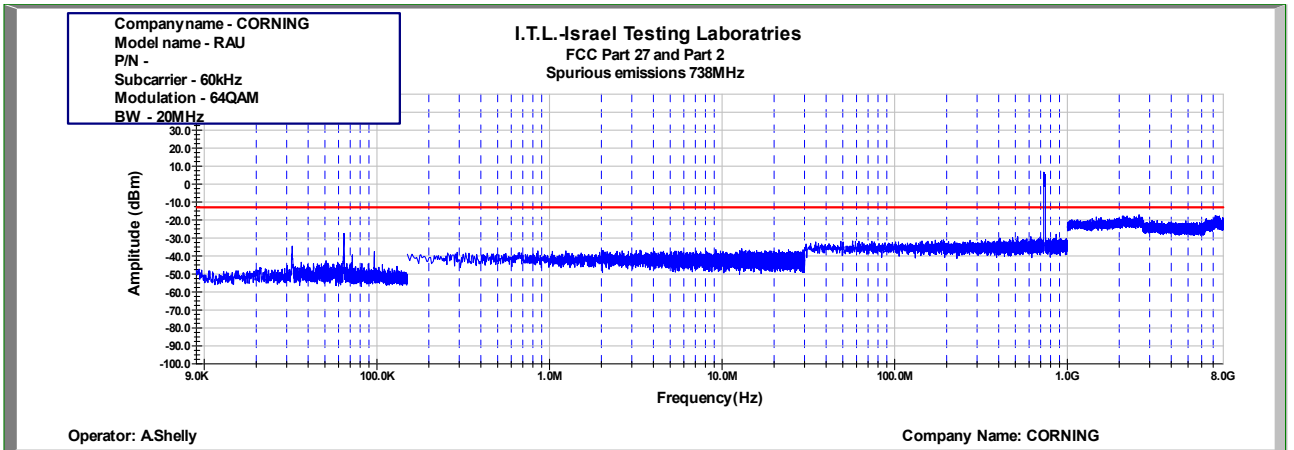


Figure 468: Spurious Emissions at Antenna Terminal 64QAM 20MHz B.W.; 738.0MHz, 60kHz

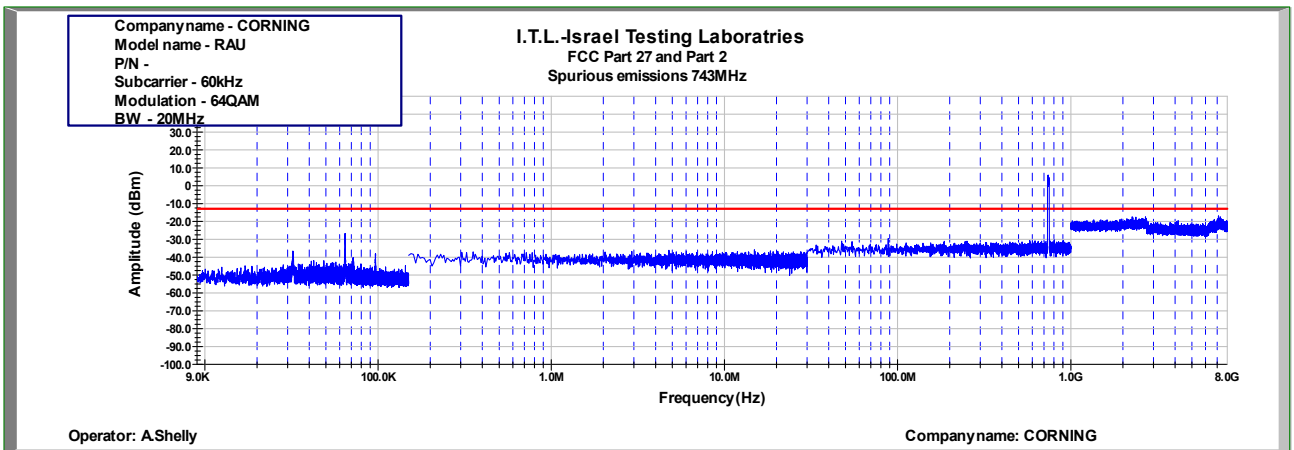


Figure 469: Spurious Emissions at Antenna Terminal 64QAM 20MHz B.W.; 743.0MHz, 60kHz

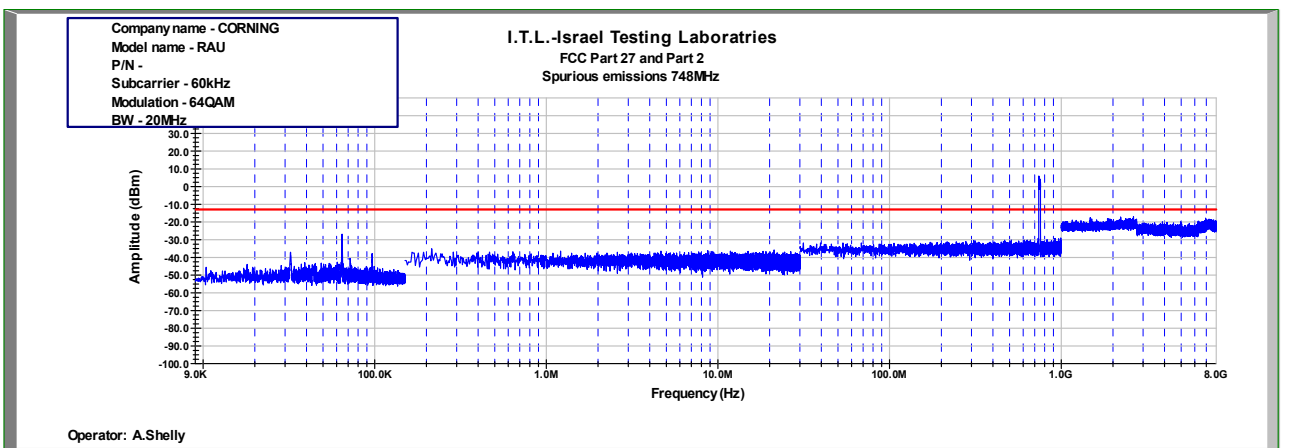


Figure 470: Spurious Emissions at Antenna Terminal 64QAM 20MHz B.W.; 748.0MHz, 60kHz

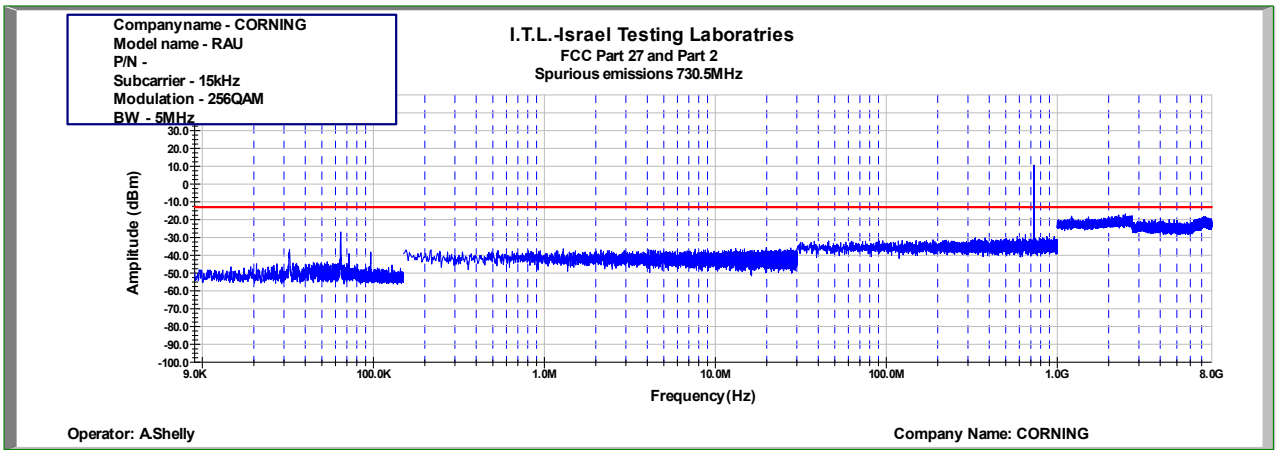


Figure 471: Spurious Emissions at Antenna Terminal 256QAM 5MHz B.W.; 730.5MHz, 15kHz

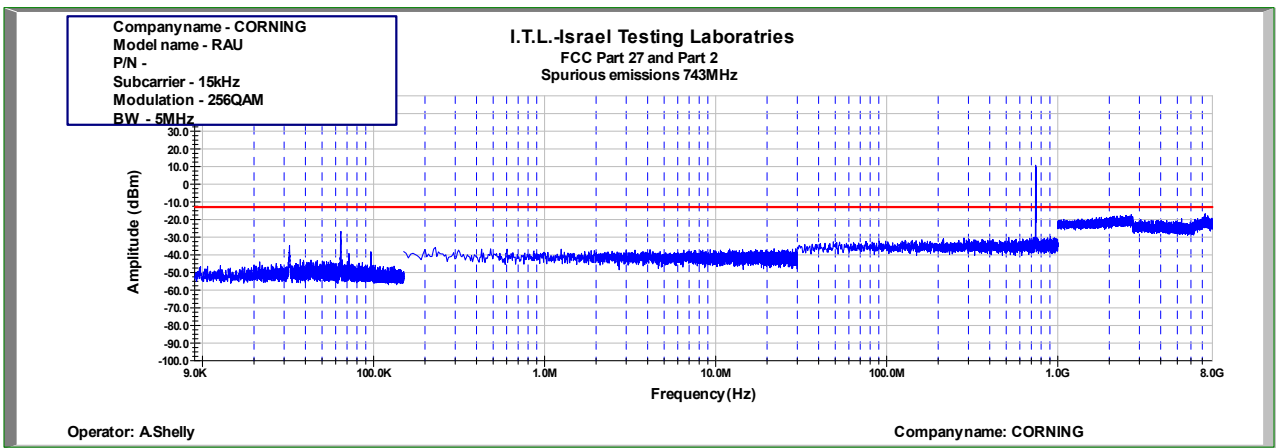


Figure 472: Spurious Emissions at Antenna Terminal 256QAM 5MHz B.W.; 743.0MHz, 15kHz

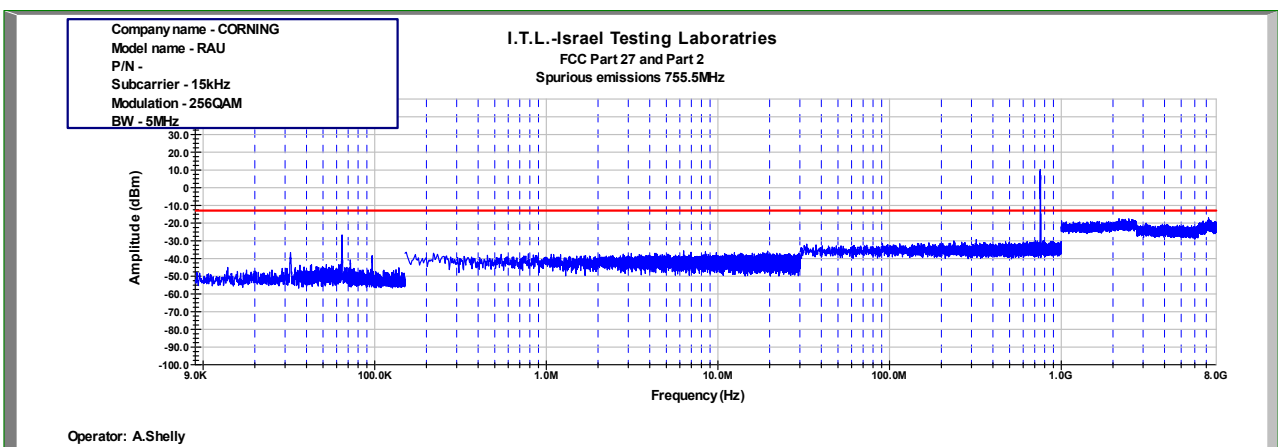


Figure 473: Spurious Emissions at Antenna Terminal 256QAM 5MHz B.W.; 755.5MHz, 15kHz



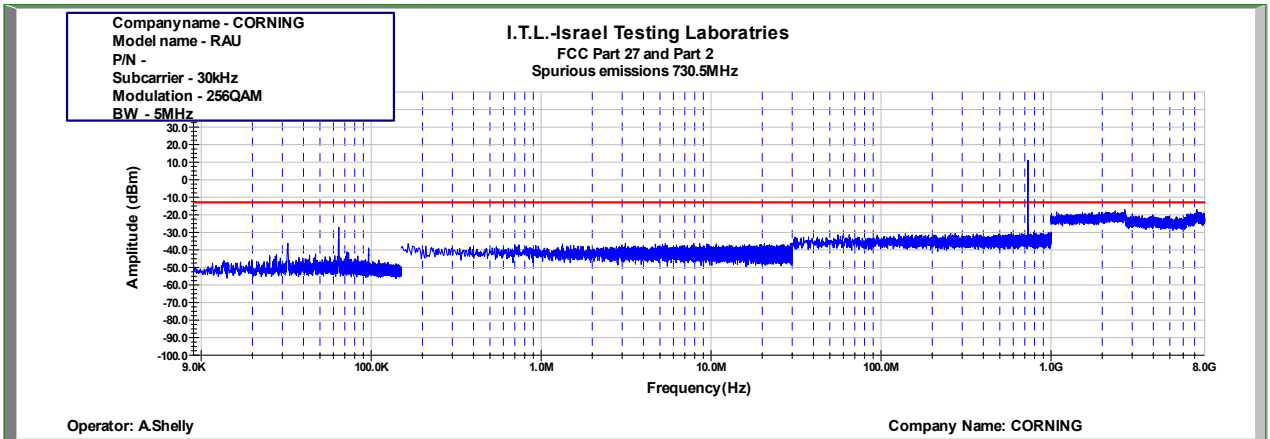


Figure 474: Spurious Emissions at Antenna Terminal 256QAM 5MHz B.W.; 730.5MHz, 30kHz

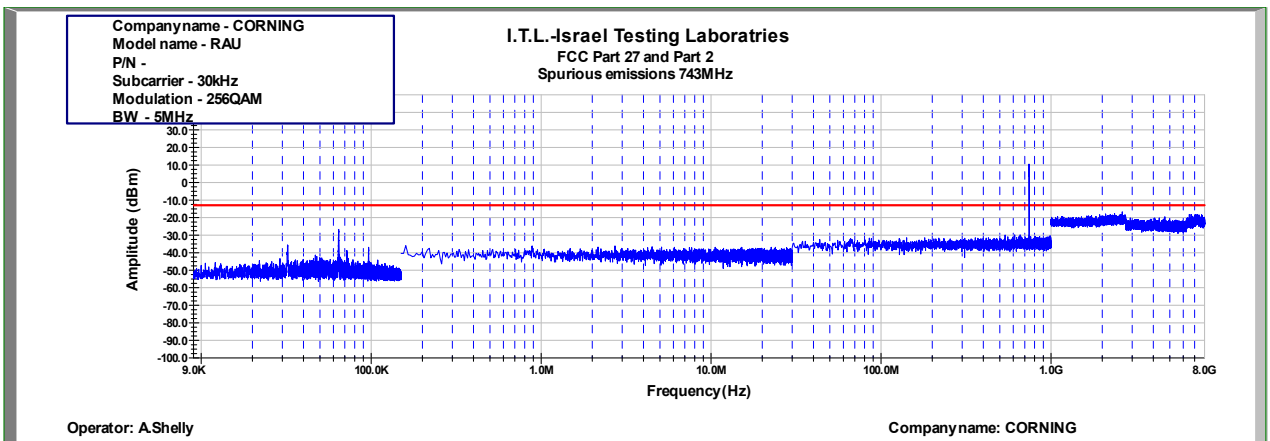


Figure 475: Spurious Emissions at Antenna Terminal 256QAM 5MHz B.W.; 743.0MHz, 30kHz

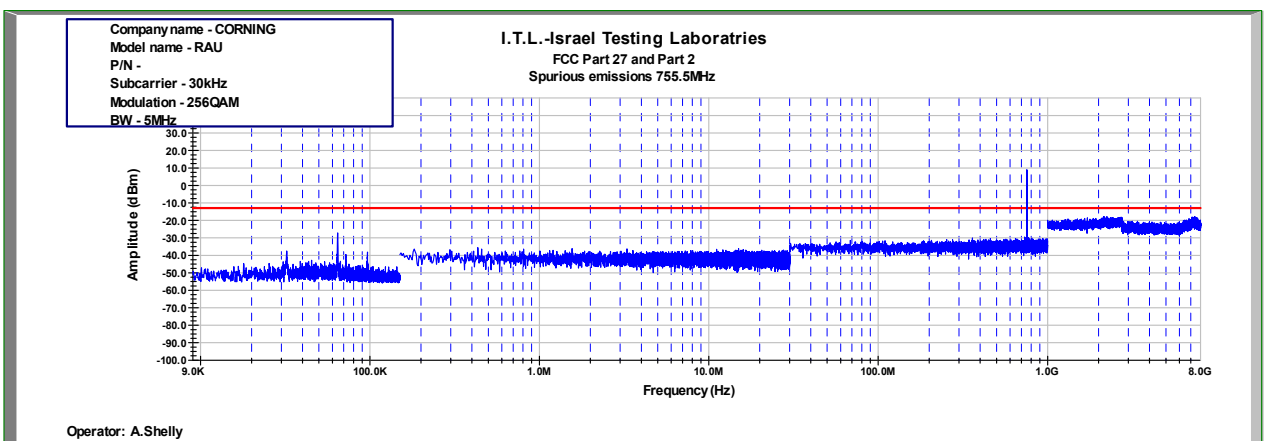


Figure 476: Spurious Emissions at Antenna Terminal 256QAM 5MHz B.W.; 755.5MHz, 30kHz

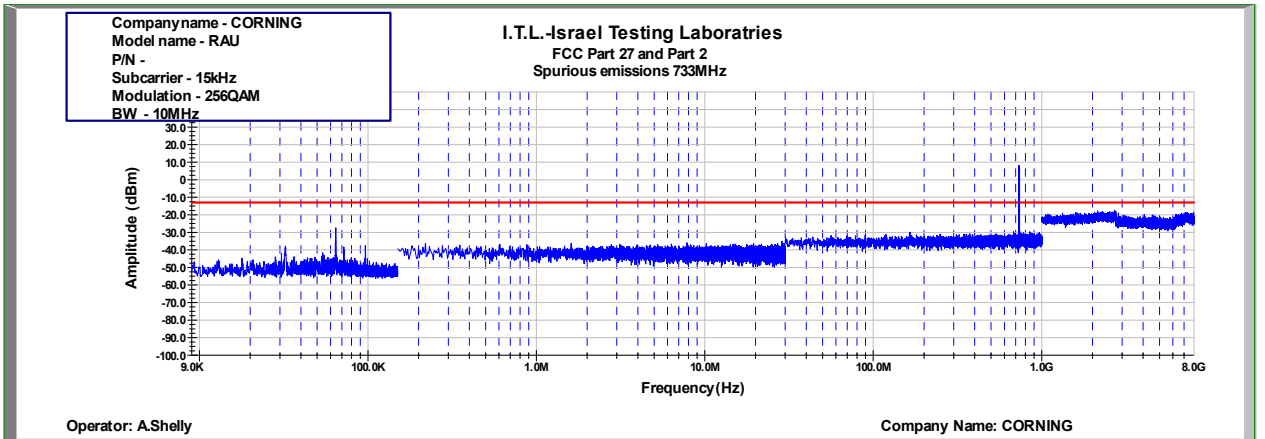


Figure 477: Spurious Emissions at Antenna Terminal 256QAM 10MHz B.W.; 733.0MHz, 15kHz

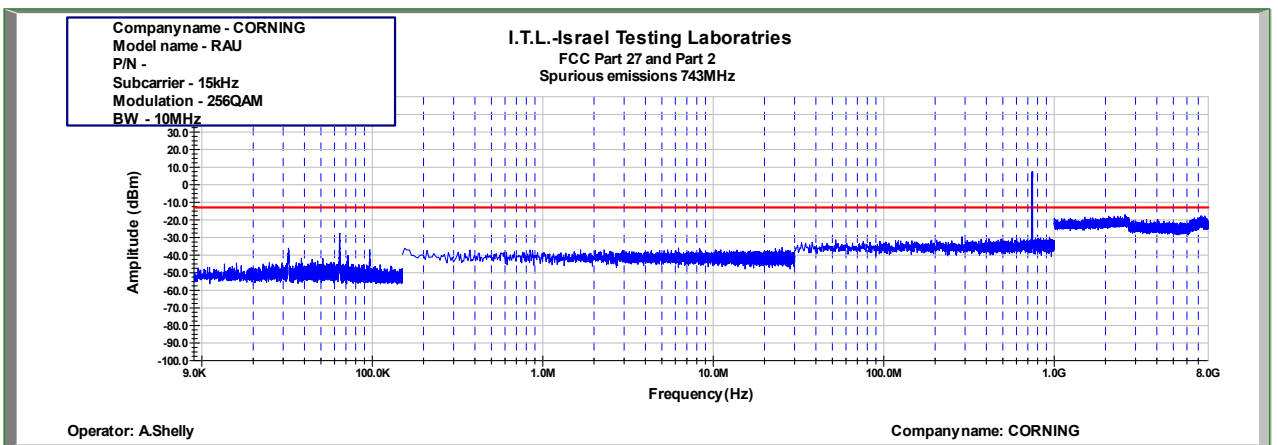


Figure 478: Spurious Emissions at Antenna Terminal 256QAM 10MHz B.W.; 743.0MHz, 15kHz

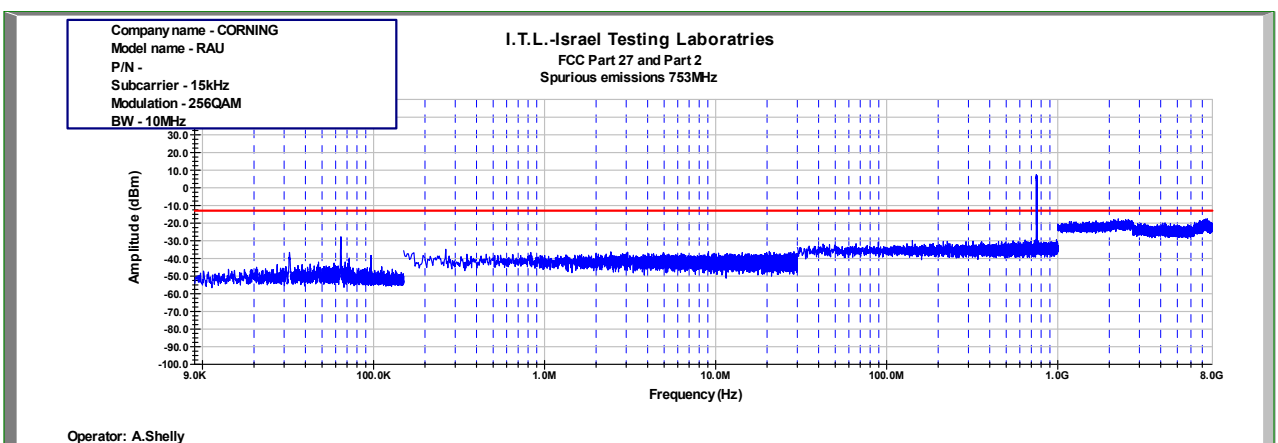


Figure 479: Spurious Emissions at Antenna Terminal 256QAM 10MHz B.W.; 753.0MHz, 15kHz

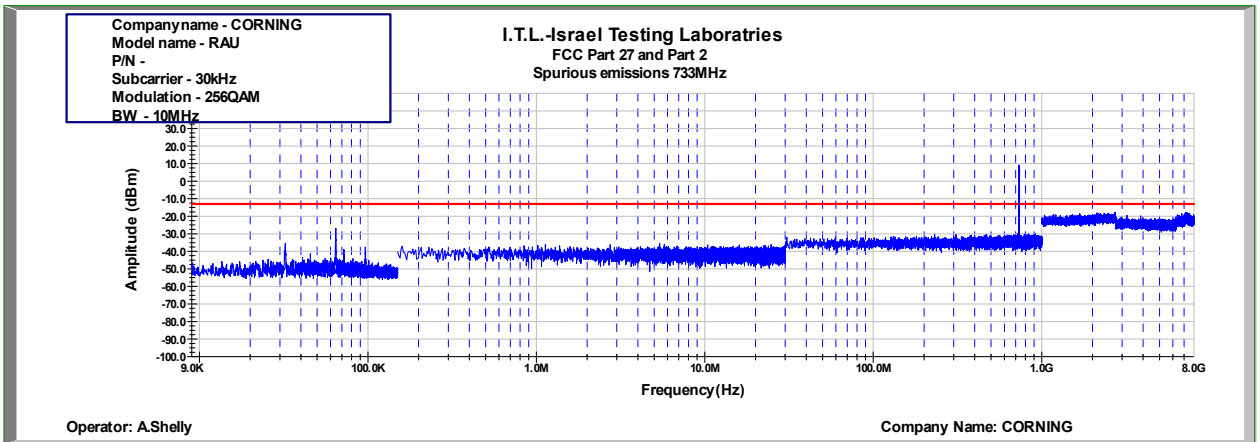


Figure 480: Spurious Emissions at Antenna Terminal 256QAM 10MHz B.W.; 733.0MHz, 30kHz

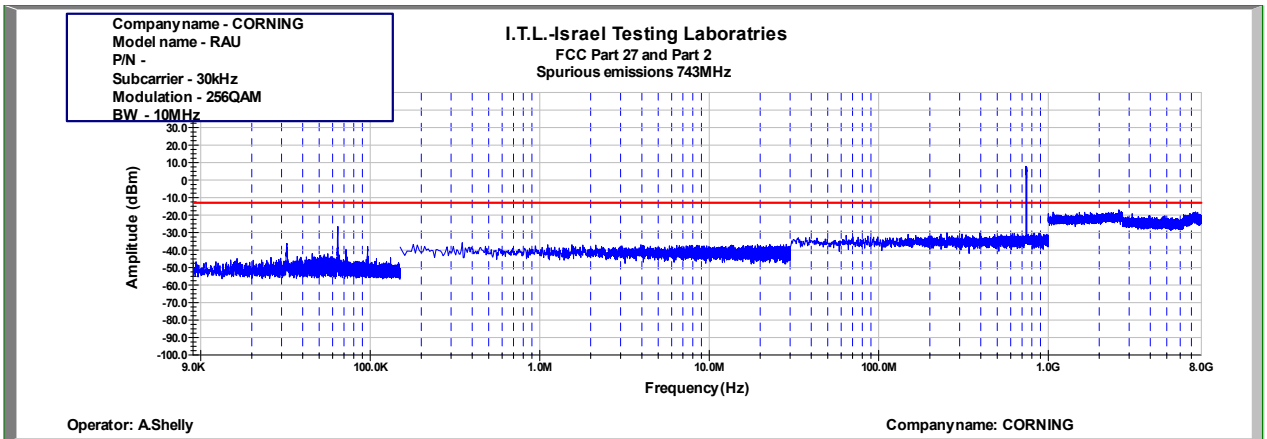


Figure 481: Spurious Emissions at Antenna Terminal 256QAM 10MHz B.W.; 743.0MHz, 30kHz

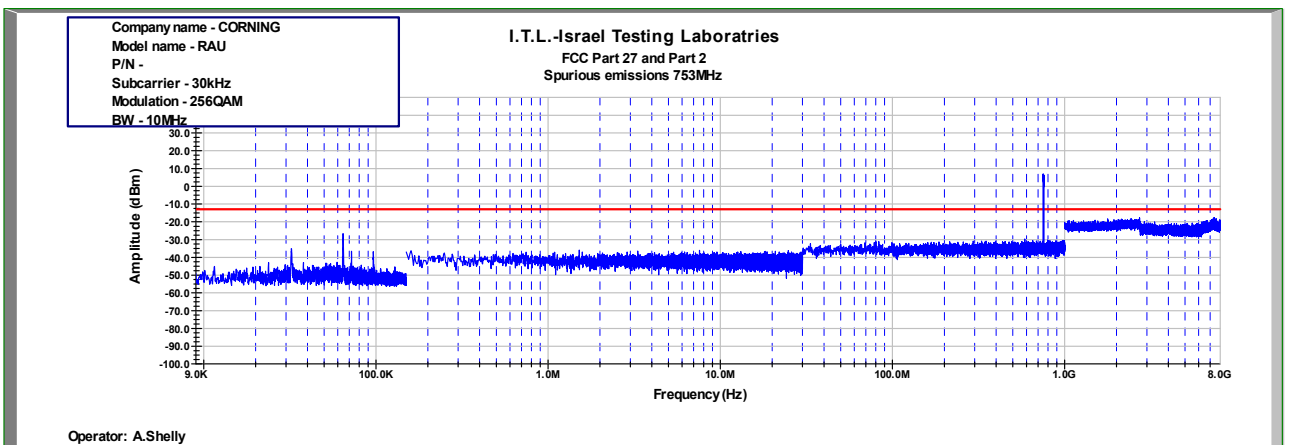


Figure 482: Spurious Emissions at Antenna Terminal 256QAM 10MHz B.W.; 753.0MHz, 30kHz

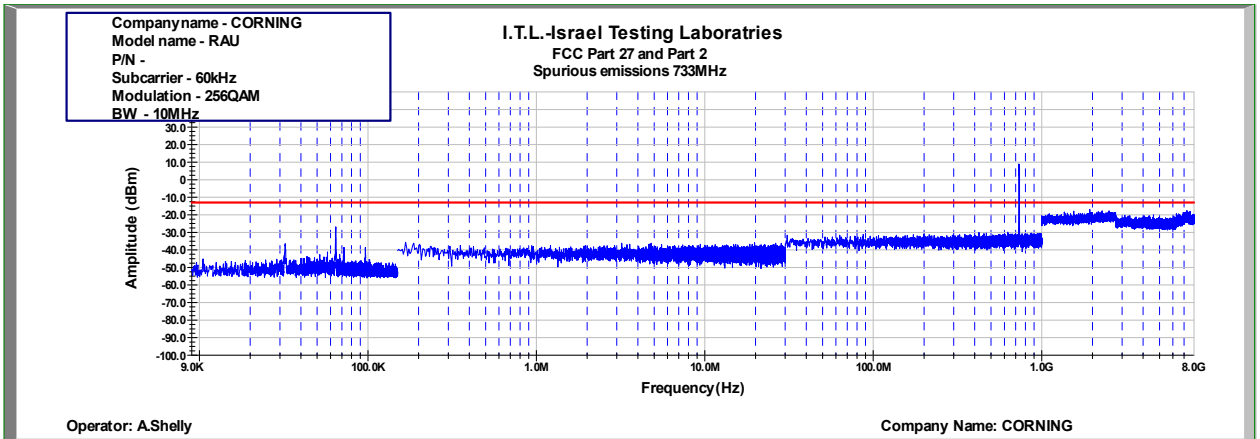


Figure 483: Spurious Emissions at Antenna Terminal 256QAM 10MHz B.W.; 733.0MHz, 60kHz

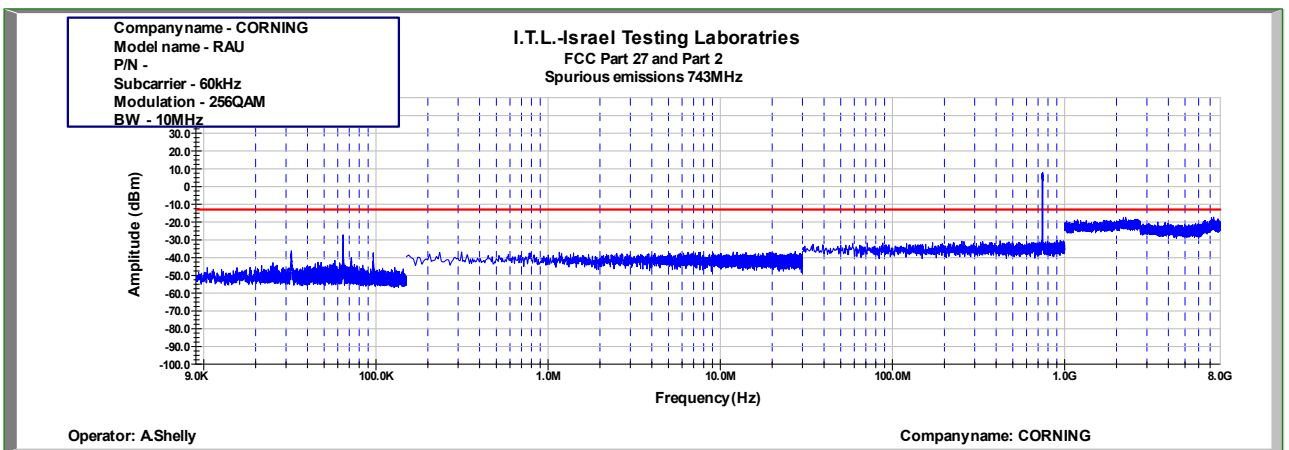


Figure 484: Spurious Emissions at Antenna Terminal 256QAM 10MHz B.W.; 743.0MHz, 60kHz

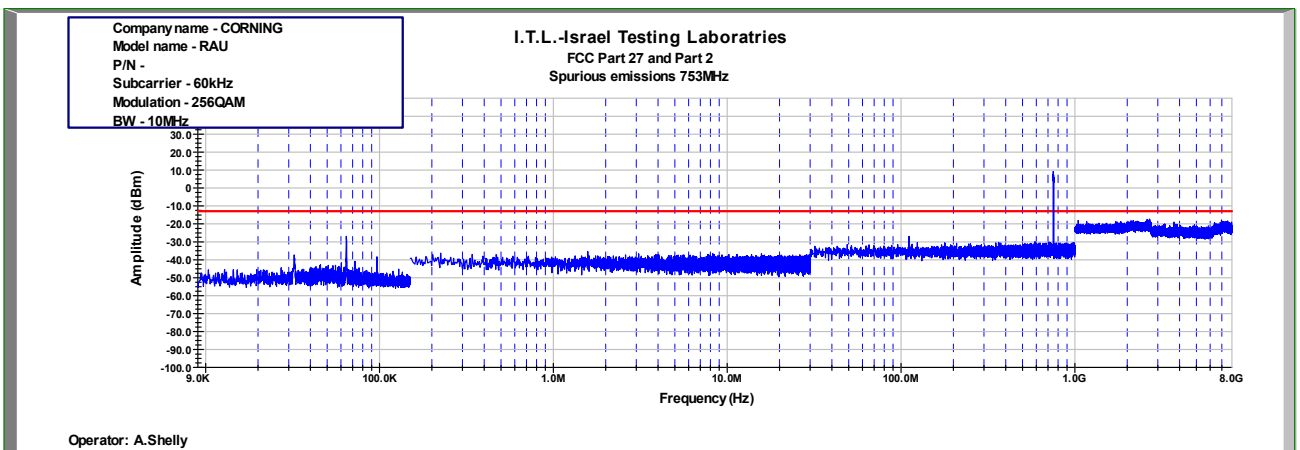
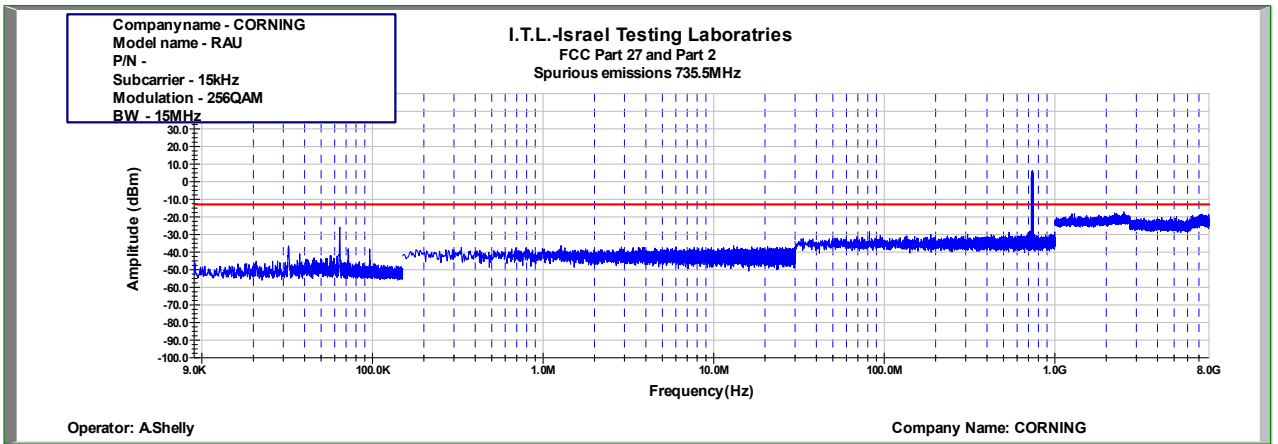
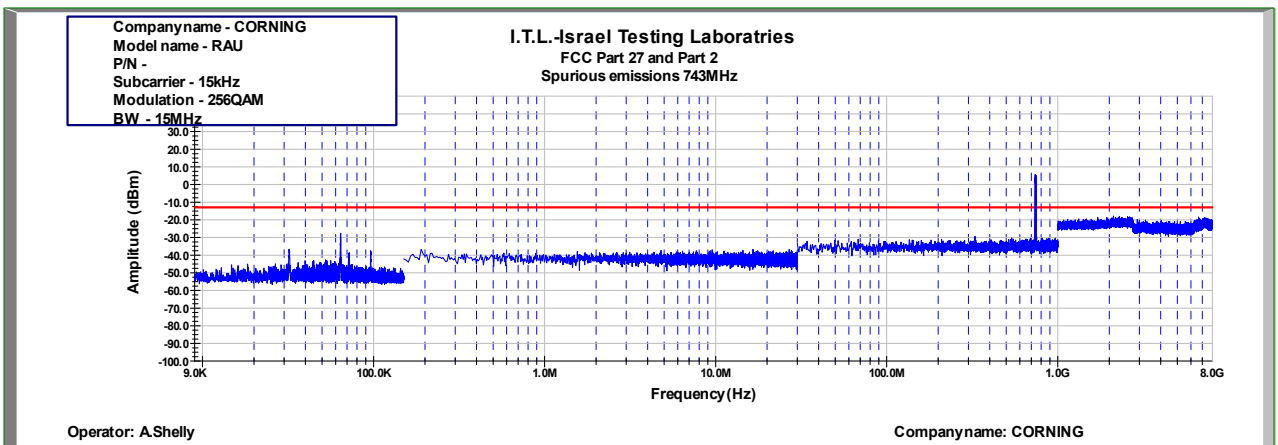


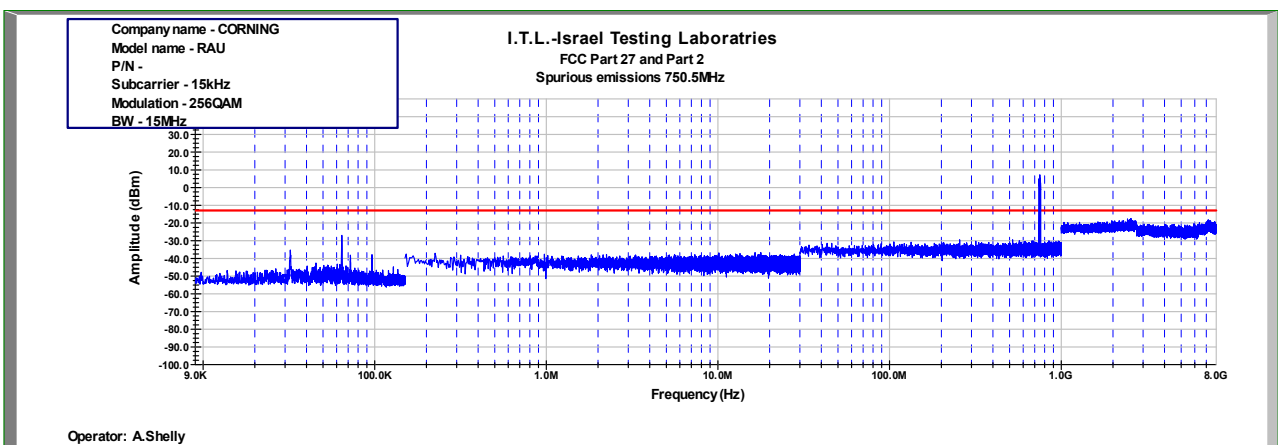
Figure 485: Spurious Emissions at Antenna Terminal 256QAM 10MHz B.W.; 753.0MHz, 60kHz



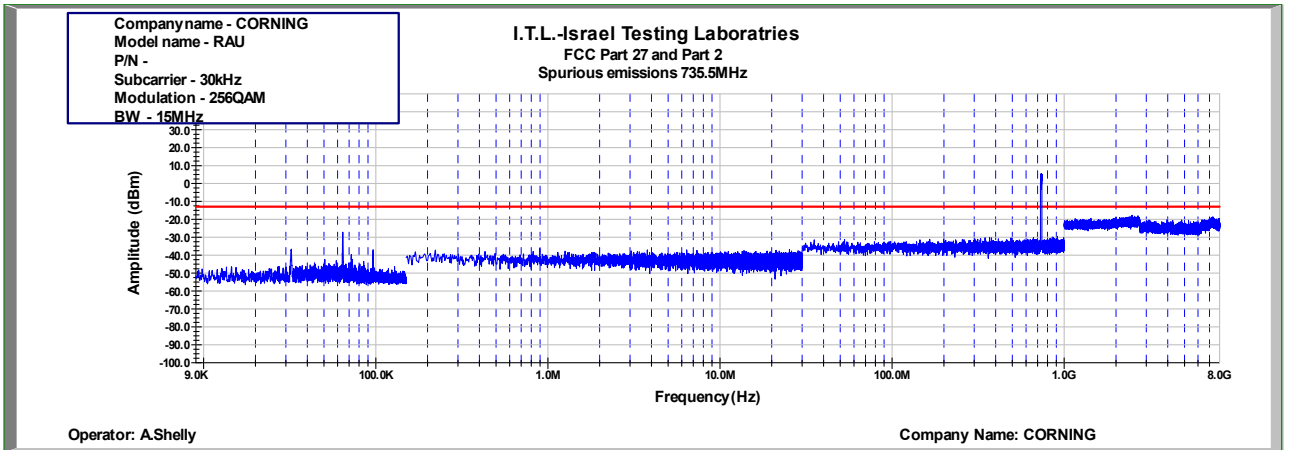
**Figure 486: Spurious Emissions at Antenna Terminal 256QAM 15MHz B.W.; 735.5MHz, 15kHz**



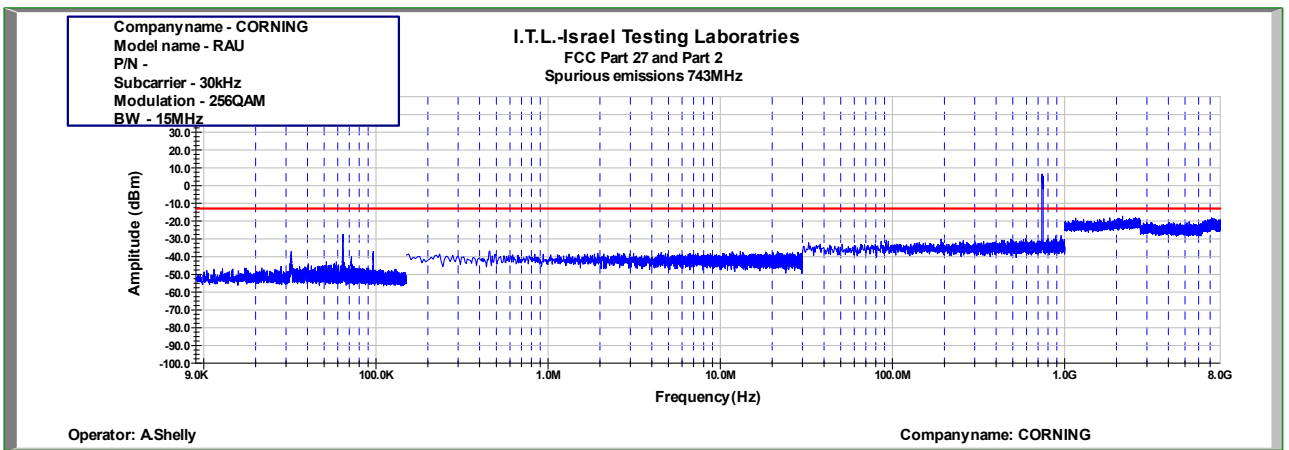
**Figure 487: Spurious Emissions at Antenna Terminal 256QAM 15MHz B.W.; 743.0MHz, 15kHz**



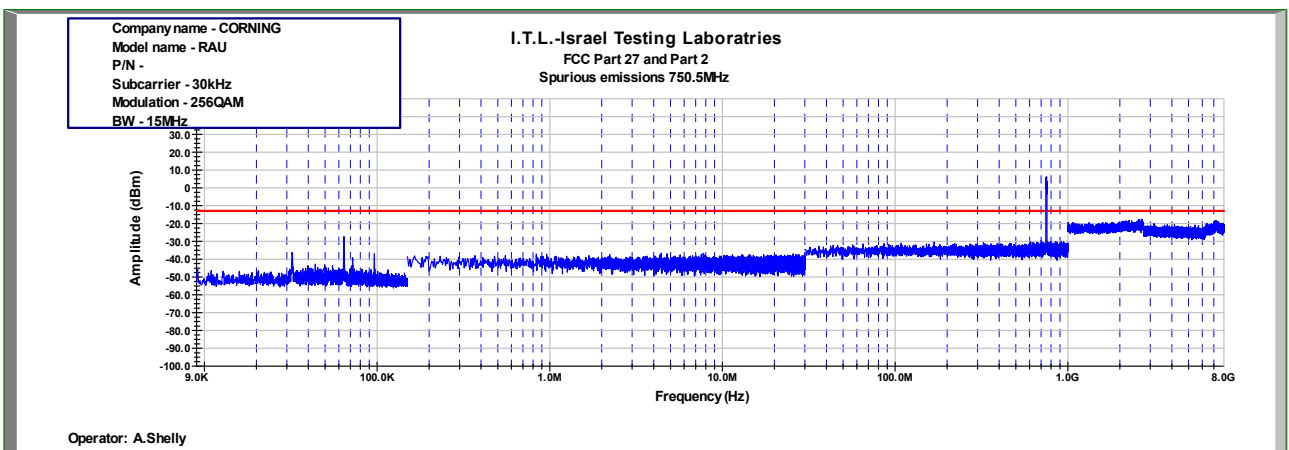
**Figure 488: Spurious Emissions at Antenna Terminal 256QAM 15MHz B.W.; 750.5MHz, 15kHz**



**Figure 489: Spurious Emissions at Antenna Terminal 256QAM 15MHz B.W.; 735.5MHz, 30kHz**



**Figure 490: Spurious Emissions at Antenna Terminal 256QAM 15MHz B.W.; 743.0MHz, 30kHz**



**Figure 491: Spurious Emissions at Antenna Terminal 256QAM 15MHz B.W.; 750.5MHz, 30kHz**