



10 Spurious Emissions at Antenna Terminals - 5G

10.1 Test Specification

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

10.2 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=44dB). scanning was performed until 22GHz.

10.3 Test Limit

The power of any emission outside of the authorized operating frequency ranges (2110-2200 MHz) must be attenuated below the transmitting power (P) by a factor of $43 + 10 \log (P)$ dB.

10.4 Test Results

JUDGEMENT: Passed

See additional information in Figure 381 to Figure 452.

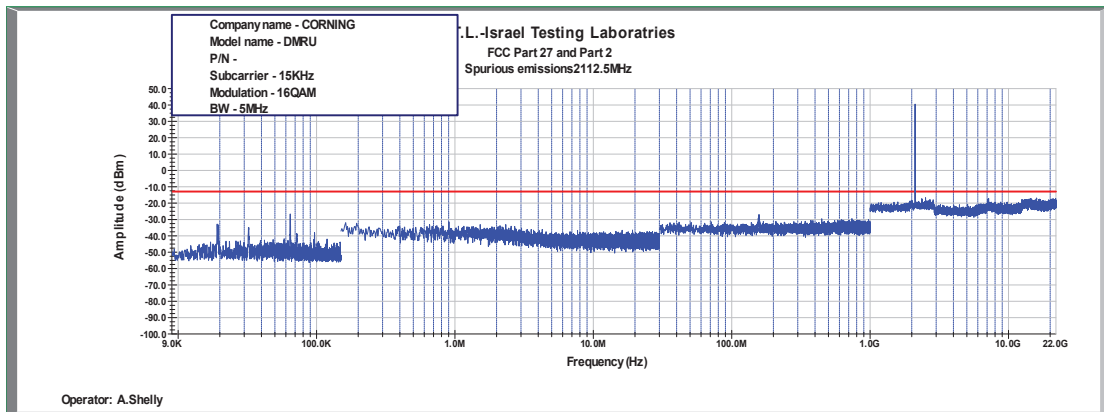


Figure 381: Spurious Emissions at Antenna Terminal 16QAM, 2112.5MHz, B.W. 5MHz, Sub Carrier 15kHz

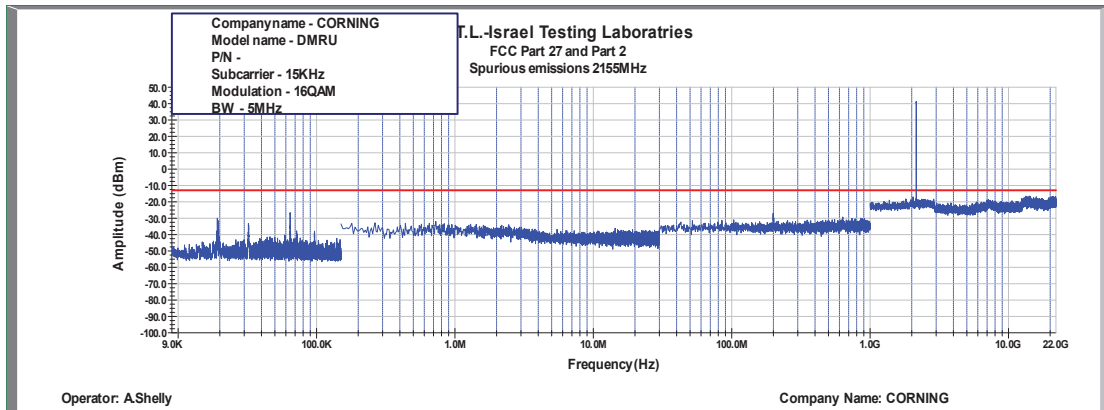


Figure 382: Spurious Emissions at Antenna Terminal 16QAM, 2155MHz, B.W. 5MHz, Sub Carrier 15kHz

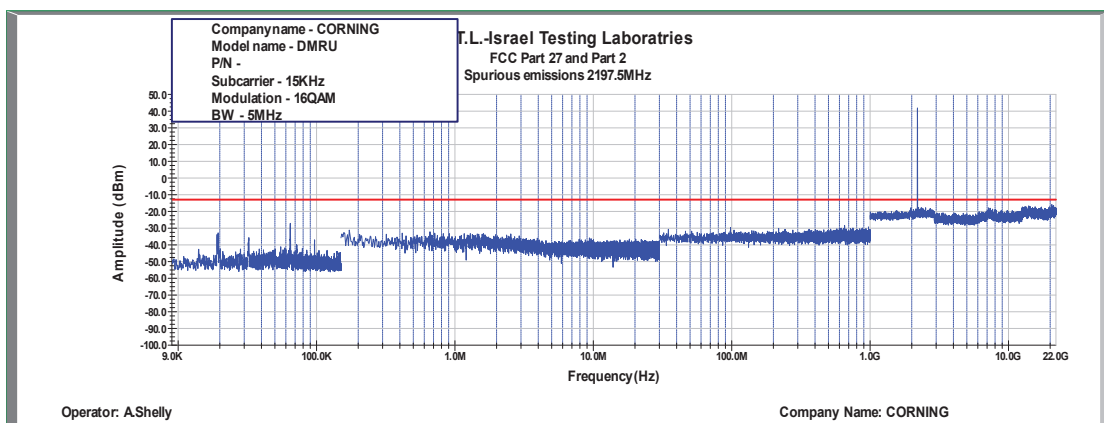


Figure 383: Spurious Emissions at Antenna Terminal 16QAM, 2197.5MHz, B.W. 5MHz, Sub Carrier 15kHz

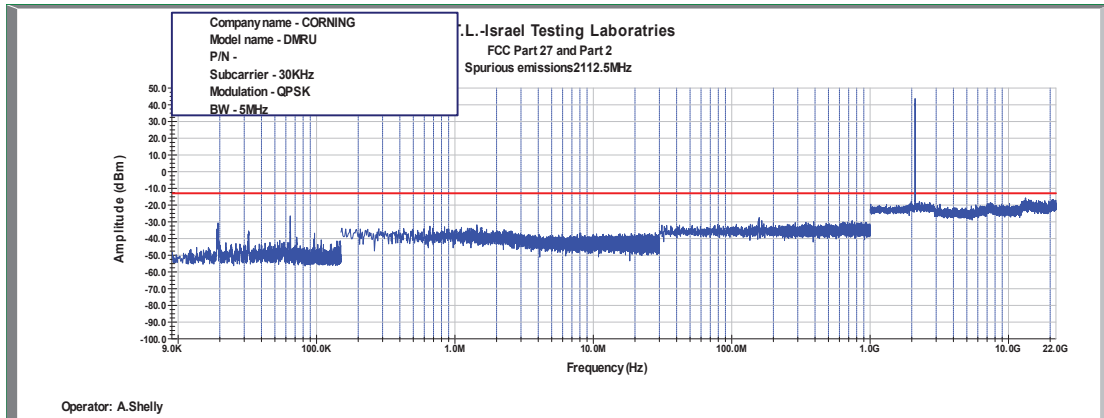


Figure 384: Spurious Emissions at Antenna Terminal 16QAM, 2112.5MHz, B.W. 5MHz, Sub Carrier 30kHz

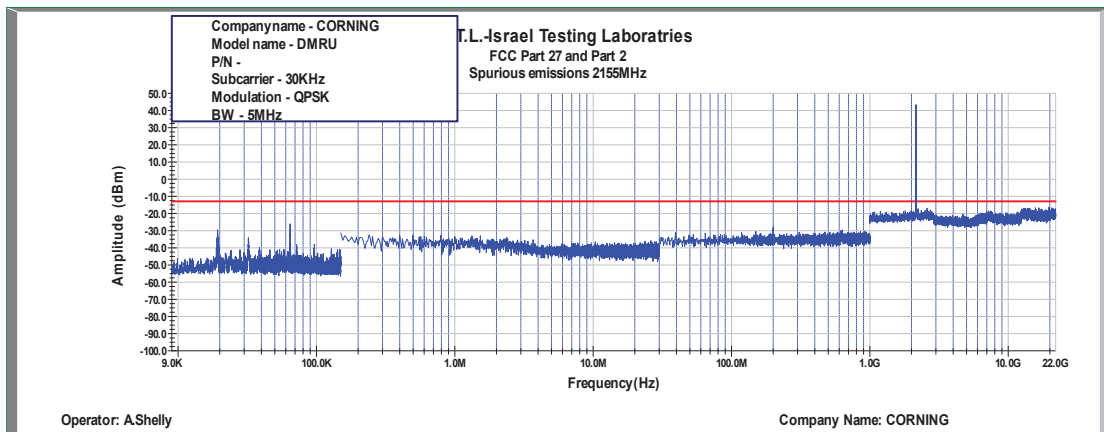


Figure 385: Spurious Emissions at Antenna Terminal 16QAM, 2155MHz, B.W. 5MHz, Sub Carrier 30kHz

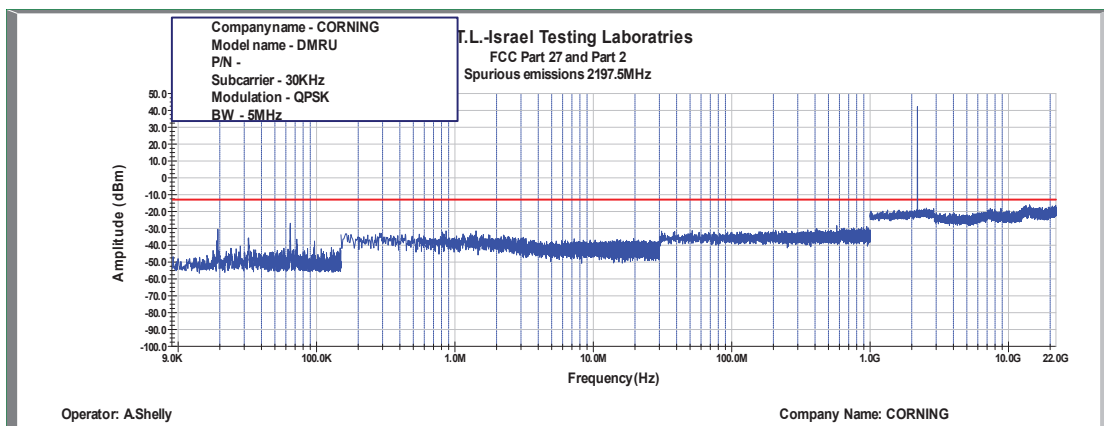


Figure 386: Spurious Emissions at Antenna Terminal 16QAM, 2197.5MHz, B.W. 5MHz, Sub Carrier 30kHz

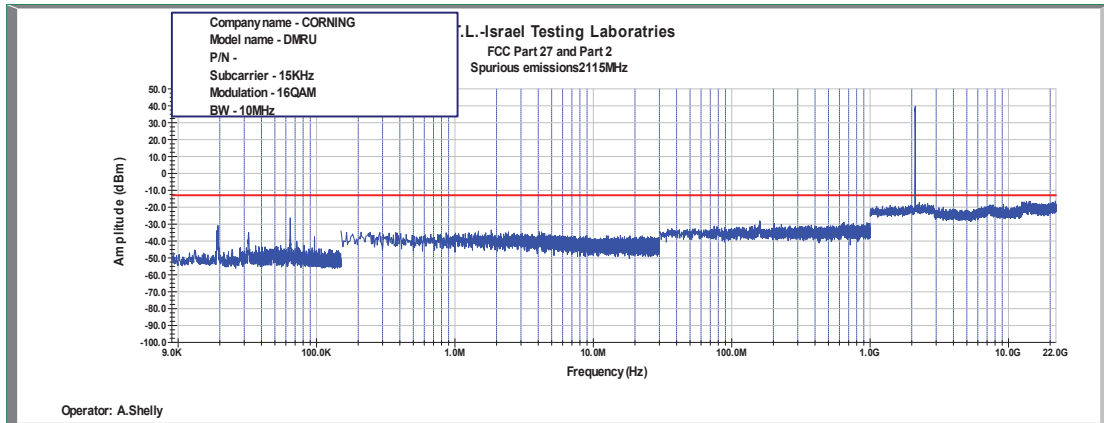


Figure 387: Spurious Emissions at Antenna Terminal 16QAM, 2115MHz,
B.W. 10MHz, Sub Carrier 15kHz

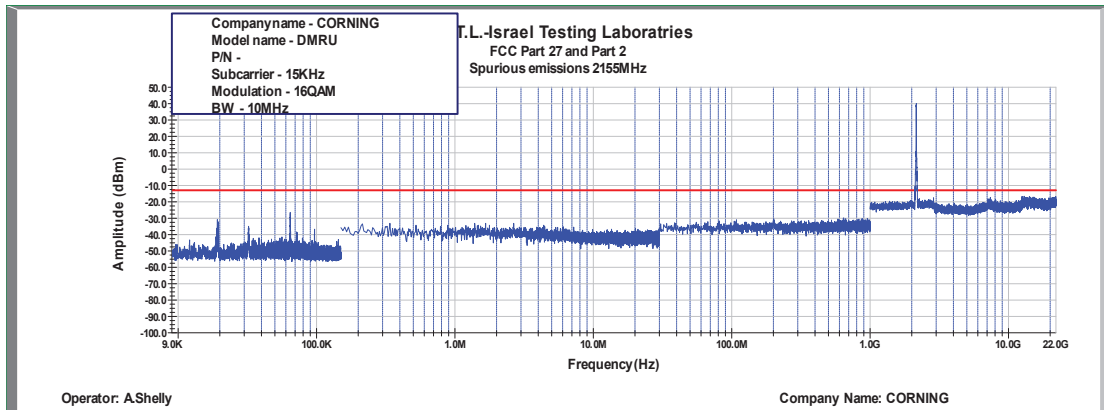


Figure 388: Spurious Emissions at Antenna Terminal 16QAM, 2155MHz,
B.W. 10MHz, Sub Carrier 15kHz

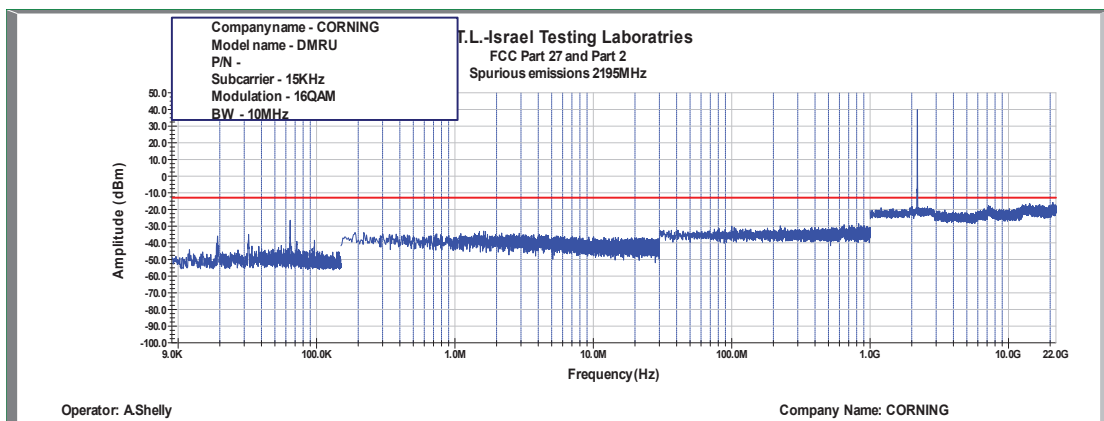


Figure 389: Spurious Emissions at Antenna Terminal 16QAM, 2195MHz,
B.W. 10MHz, Sub Carrier 15kHz

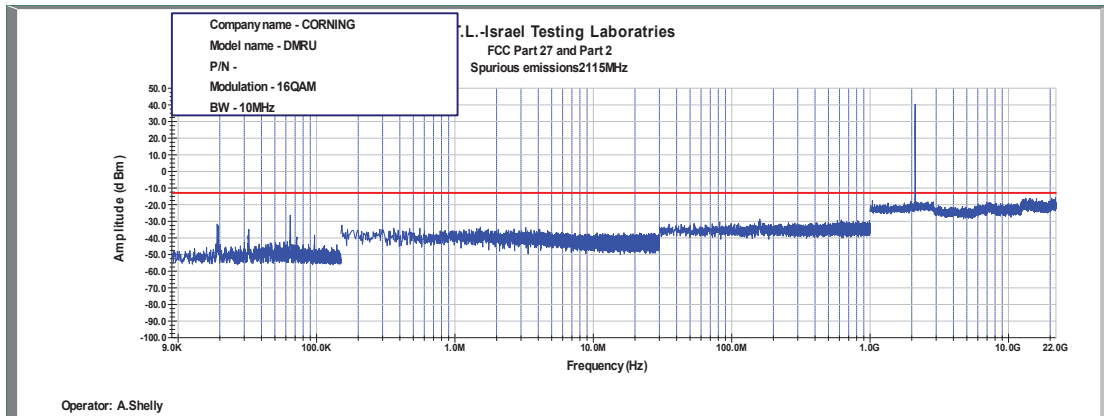


Figure 390: Spurious Emissions at Antenna Terminal 16QAM, 2115MHz, B.W. 10MHz, Sub Carrier 30kHz

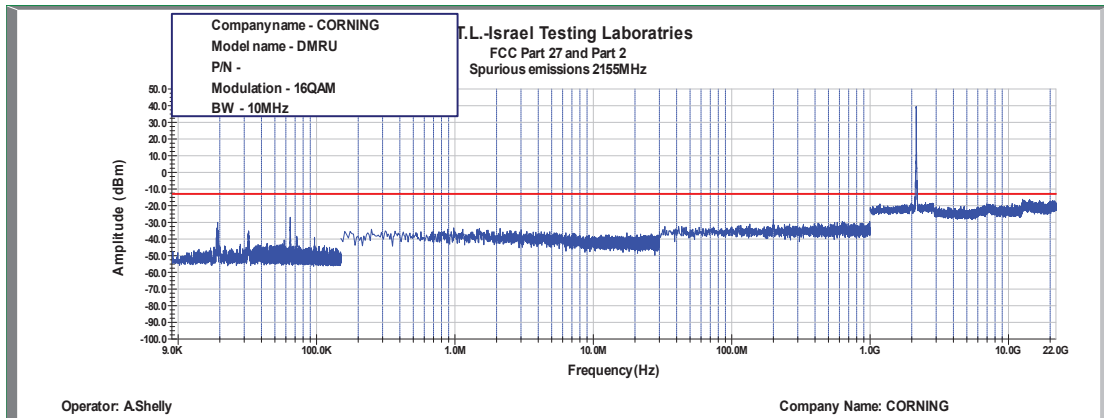


Figure 391: Spurious Emissions at Antenna Terminal 16QAM, 2155MHz, B.W. 10MHz, Sub Carrier 30kHz

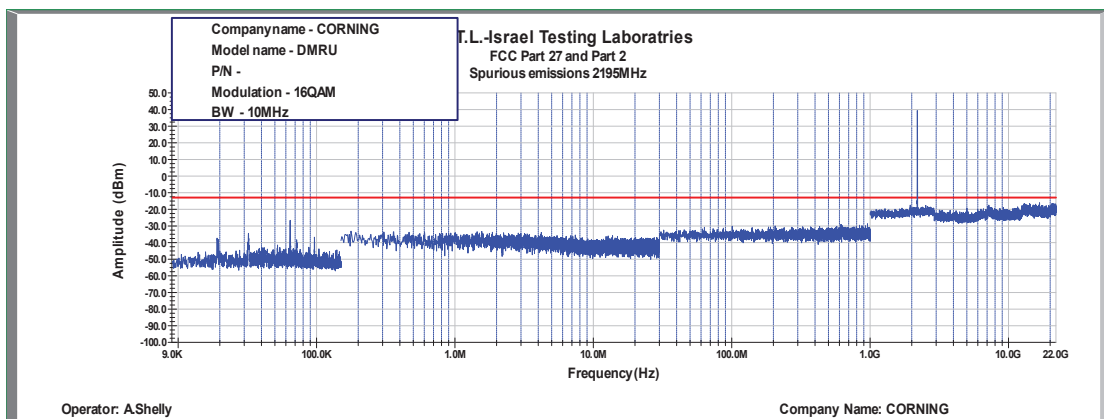


Figure 392: Spurious Emissions at Antenna Terminal 16QAM, 2195MHz, B.W. 10MHz, Sub Carrier 30kHz

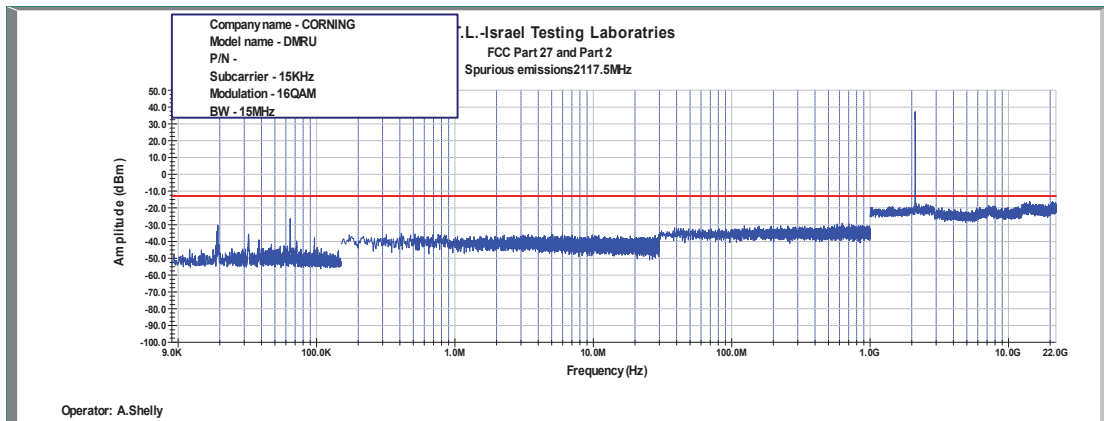


Figure 393: Spurious Emissions at Antenna Terminal 16QAM, 2117.5MHz,
B.W. 15MHz, Sub Carrier 15kHz

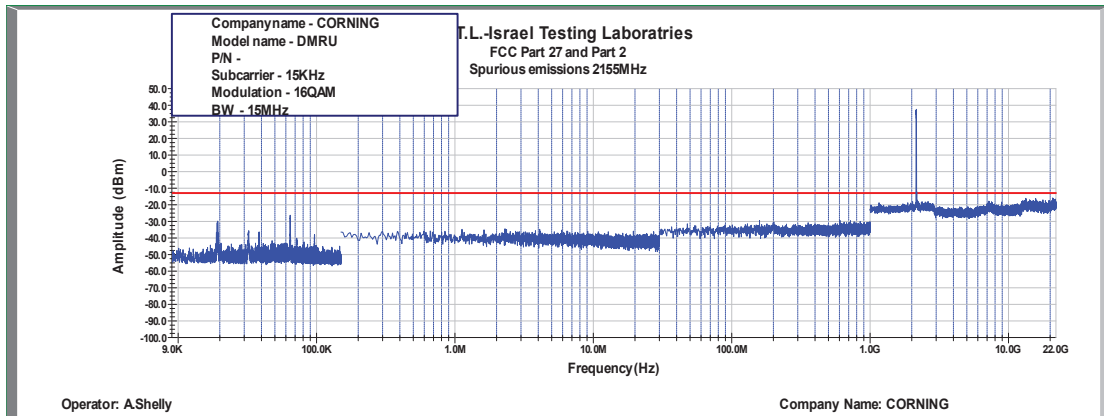


Figure 394: Spurious Emissions at Antenna Terminal 16QAM, 2155MHz,
B.W. 15MHz, Sub Carrier 15kHz

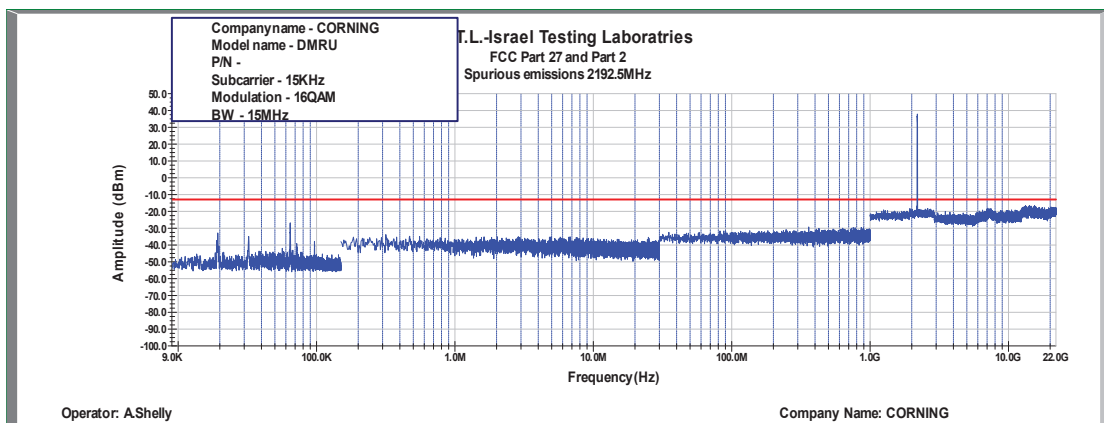


Figure 395: Spurious Emissions at Antenna Terminal 16QAM, 2192.5MHz,
B.W. 15MHz, Sub Carrier 15kHz

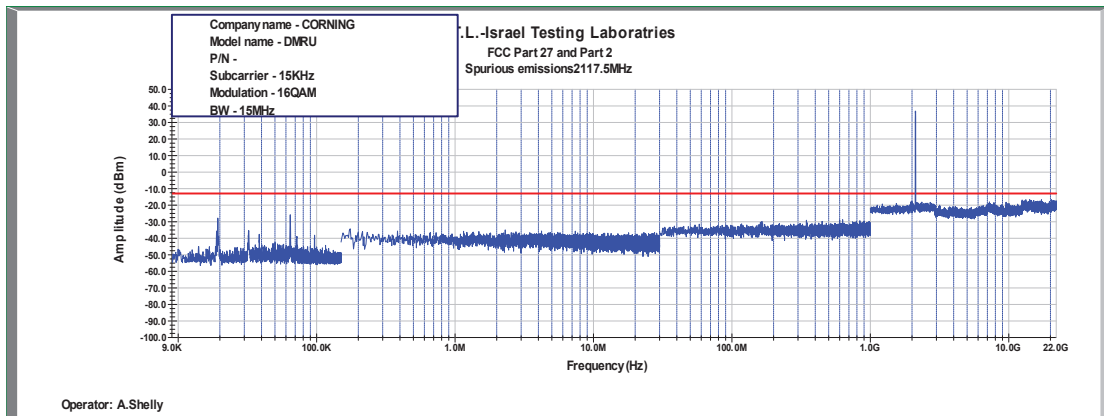


Figure 396: Spurious Emissions at Antenna Terminal 16QAM, 2117.5MHz,
B.W. 15MHz, Sub Carrier 30kHz

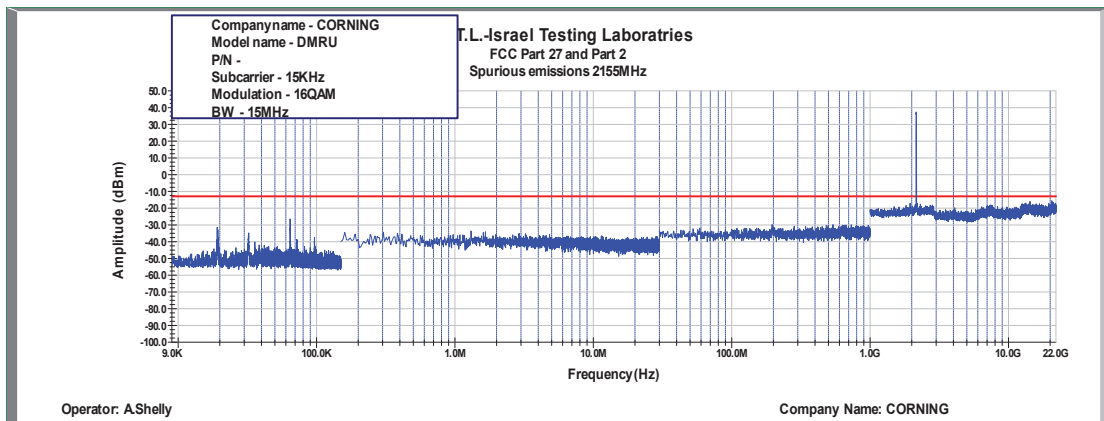


Figure 397: Spurious Emissions at Antenna Terminal 16QAM, 2155MHz,
B.W. 15MHz, Sub Carrier 30kHz

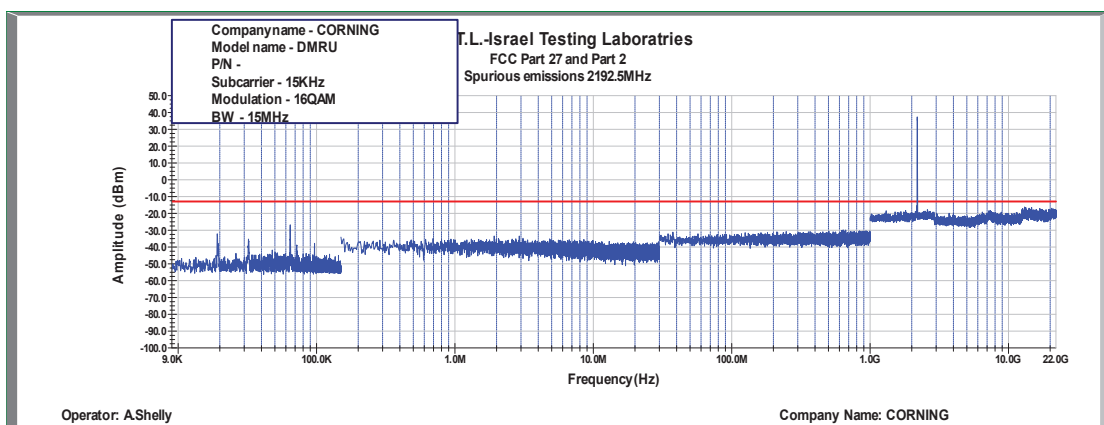


Figure 398: Spurious Emissions at Antenna Terminal 16QAM, 2192.5MHz,
B.W. 15MHz, Sub Carrier 30kHz

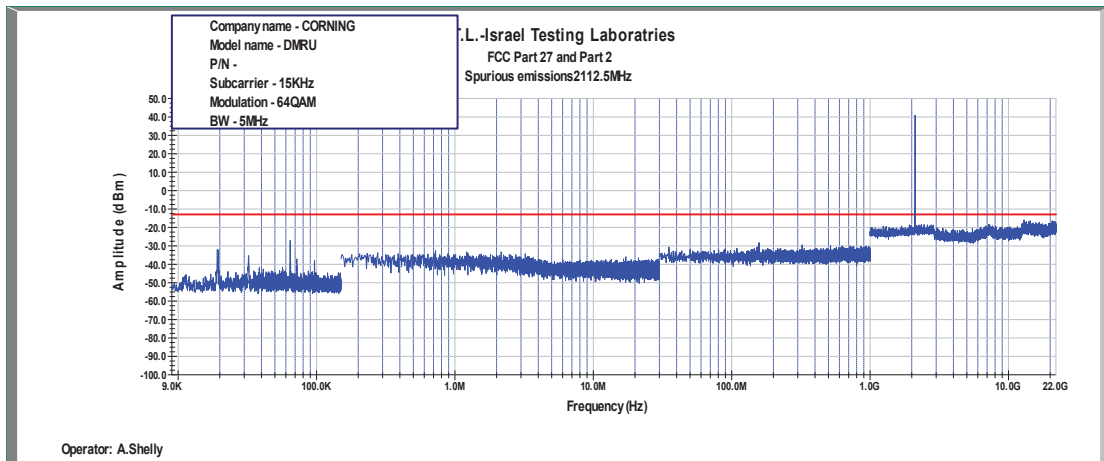


Figure 399: Spurious Emissions at Antenna Terminal 64QAM, 2112.5MHz, B.W. 5MHz, Sub Carrier 15kHz

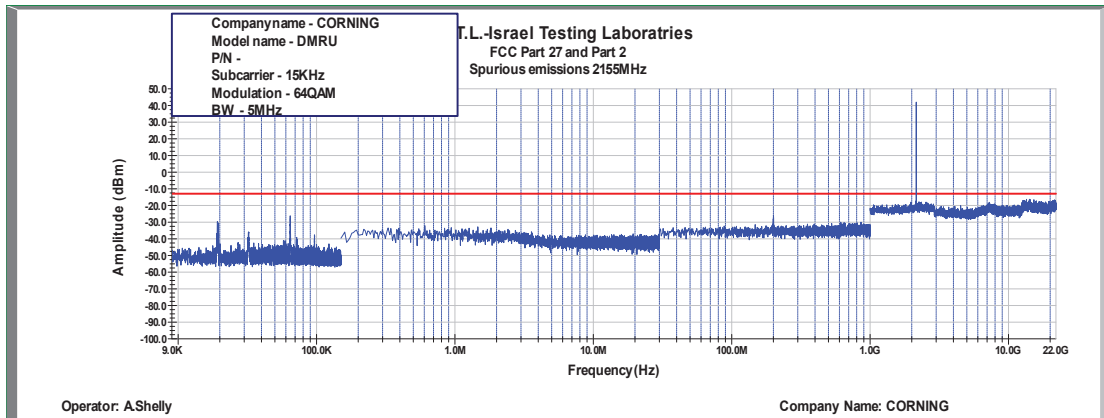


Figure 400: Spurious Emissions at Antenna Terminal 64QAM, 2155MHz, B.W. 5MHz, Sub Carrier 15kHz

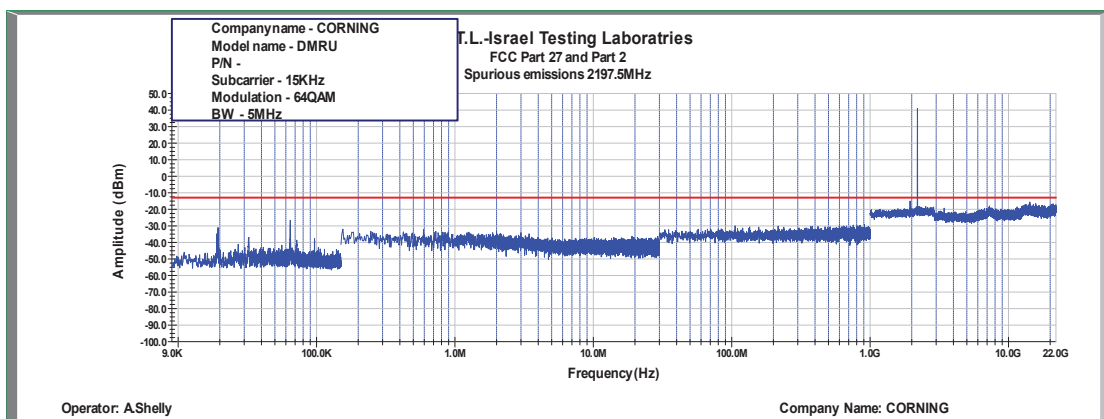


Figure 401: Spurious Emissions at Antenna Terminal 64QAM, 2197.5MHz, B.W. 5MHz, Sub Carrier 15kHz

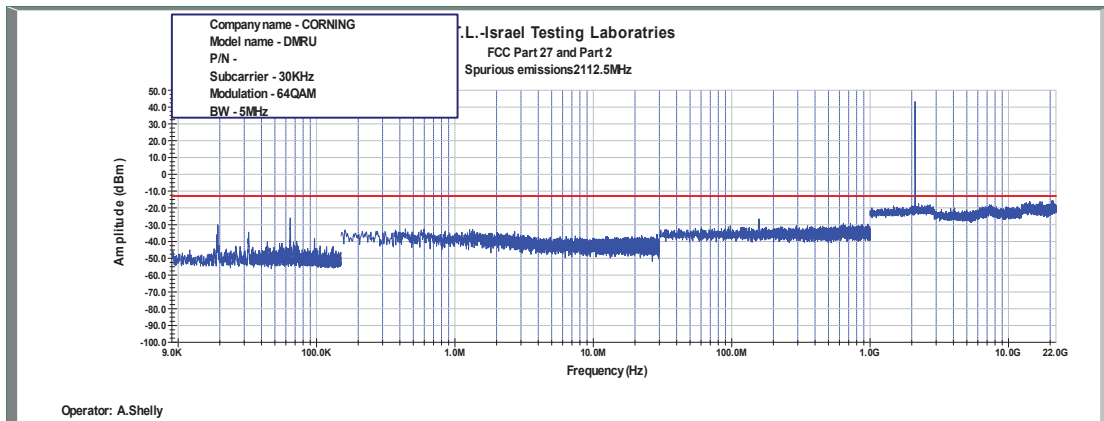


Figure 402: Spurious Emissions at Antenna Terminal 64QAM, 2112.5MHz, B.W. 5MHz, Sub Carrier 30kHz

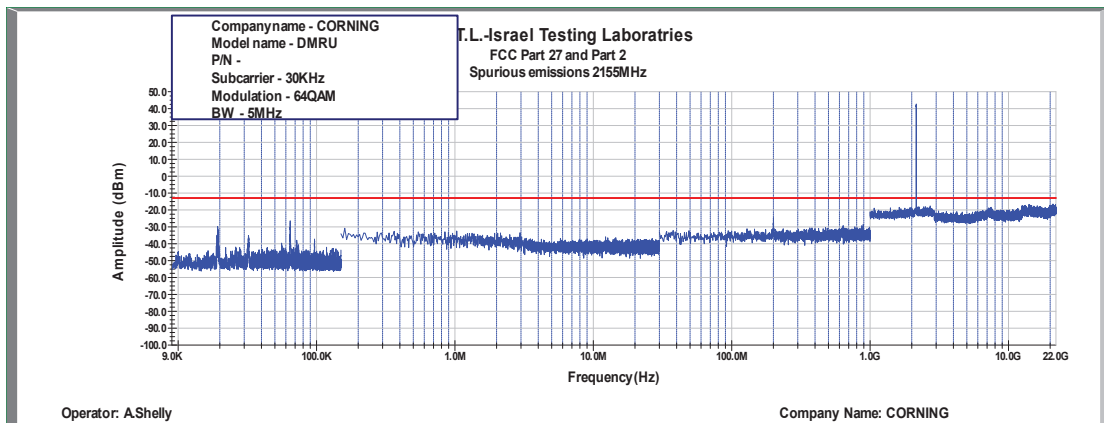


Figure 403: Spurious Emissions at Antenna Terminal 64QAM, 2155MHz, B.W. 5MHz, Sub Carrier 30kHz

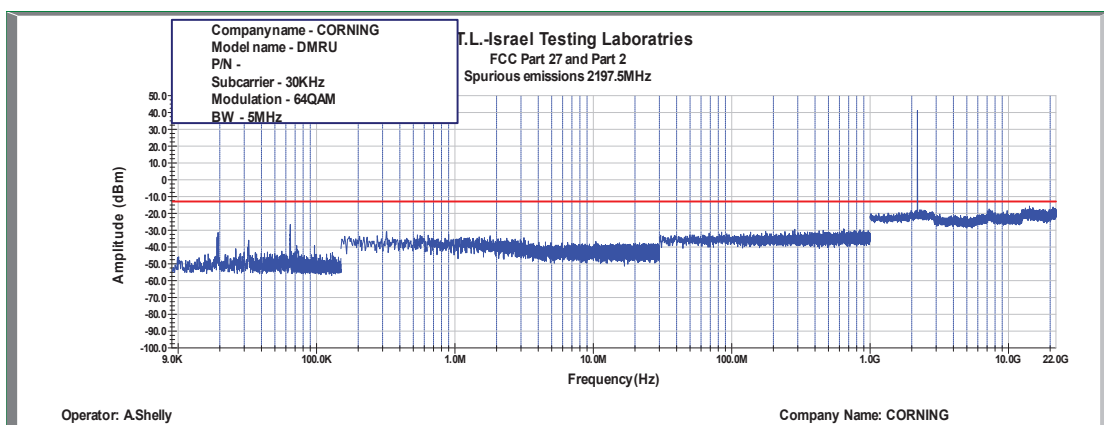


Figure 404: Spurious Emissions at Antenna Terminal 64QAM, 2197.5MHz, B.W. 5MHz, Sub Carrier 30kHz

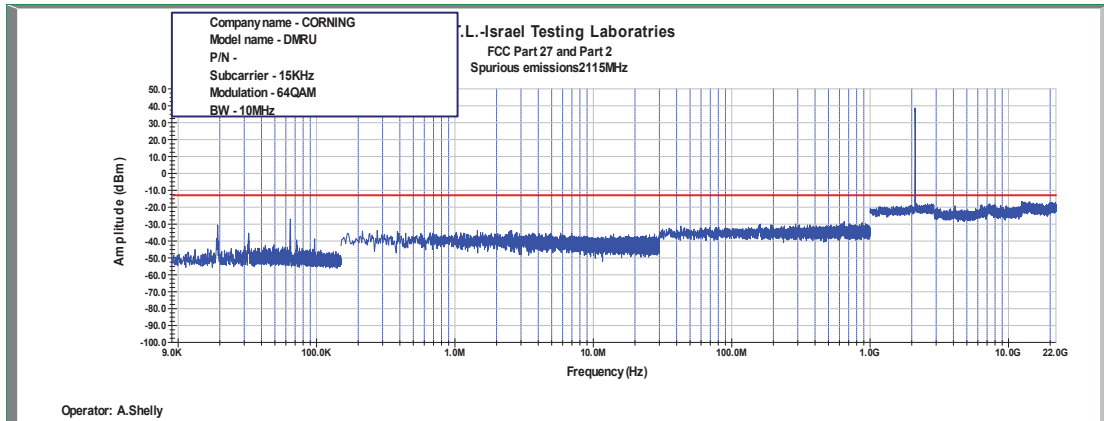


Figure 405: Spurious Emissions at Antenna Terminal 64QAM, 2115MHz,
B.W. 10MHz, Sub Carrier 15kHz

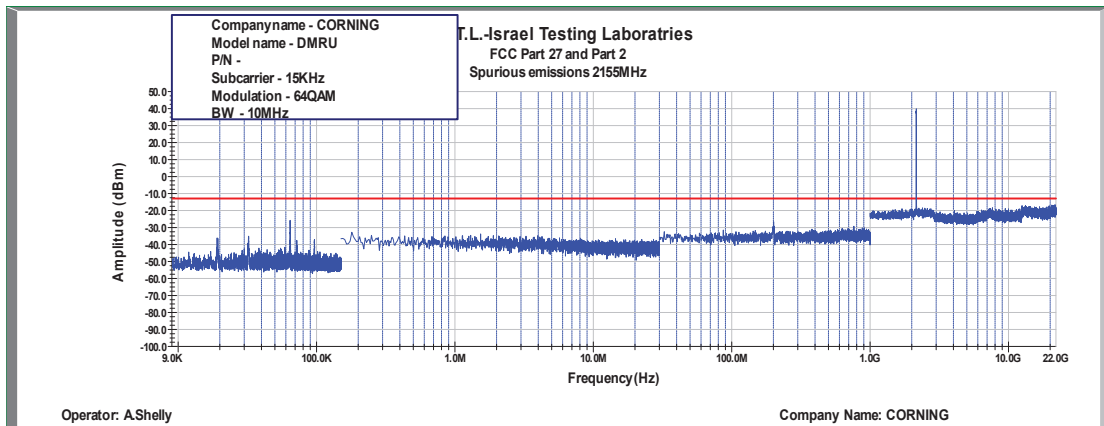


Figure 406: Spurious Emissions at Antenna Terminal 64QAM, 2155MHz,
B.W. 10MHz, Sub Carrier 15kHz

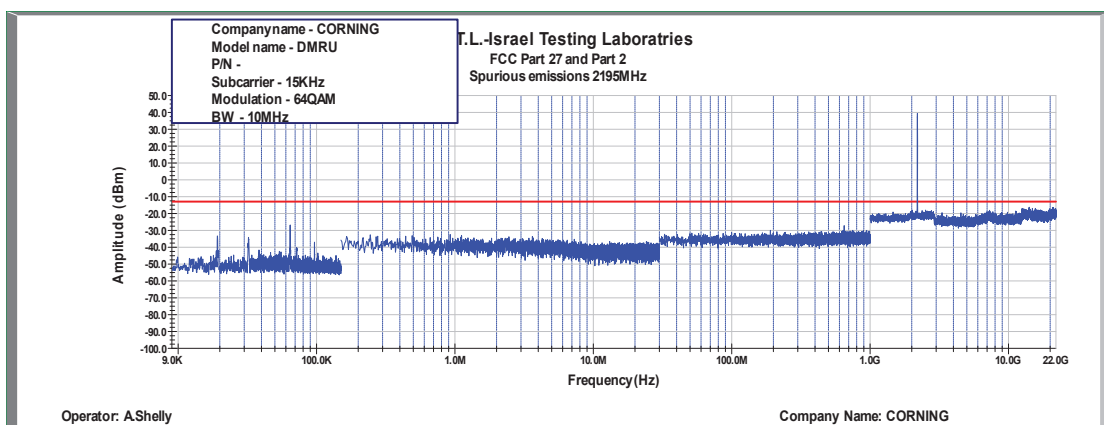


Figure 407: Spurious Emissions at Antenna Terminal 64QAM, 2195MHz,
B.W. 10MHz, Sub Carrier 15kHz

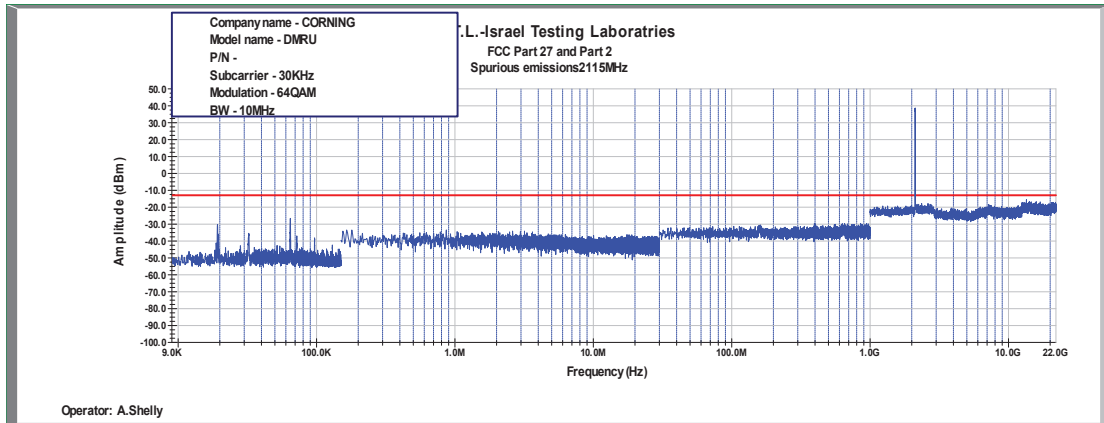


Figure 408: Spurious Emissions at Antenna Terminal 64QAM, 2115MHz,
B.W. 10MHz, Sub Carrier 30kHz

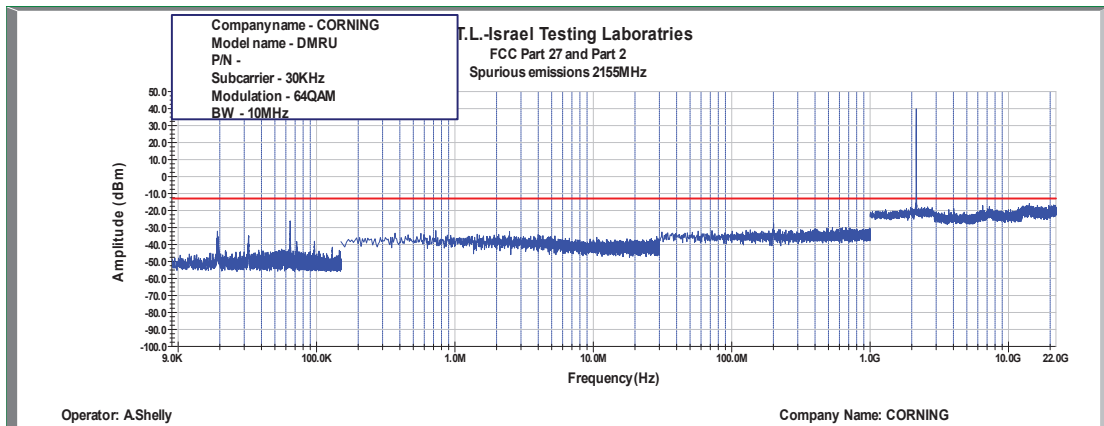


Figure 409: Spurious Emissions at Antenna Terminal 64QAM, 2155MHz,
B.W. 10MHz, Sub Carrier 30kHz

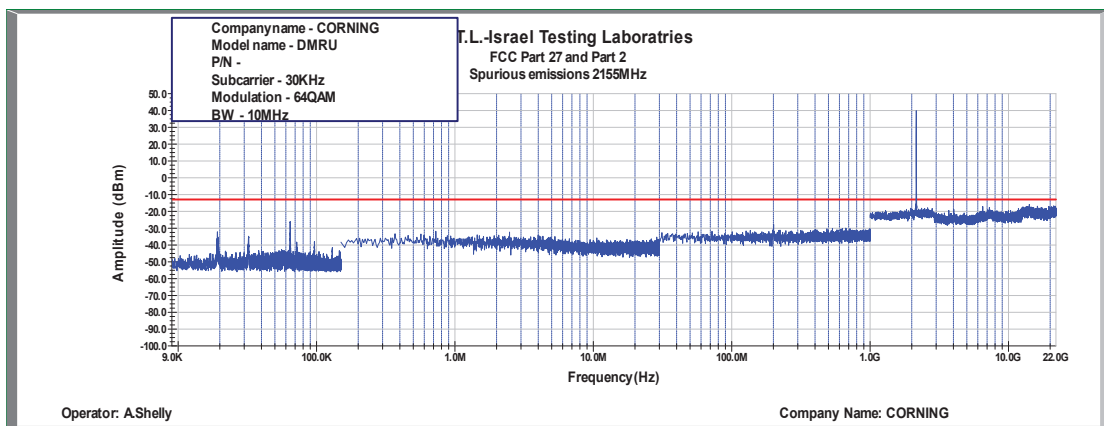


Figure 410: Spurious Emissions at Antenna Terminal 64QAM, 2195MHz,
B.W. 10MHz, Sub Carrier 30kHz

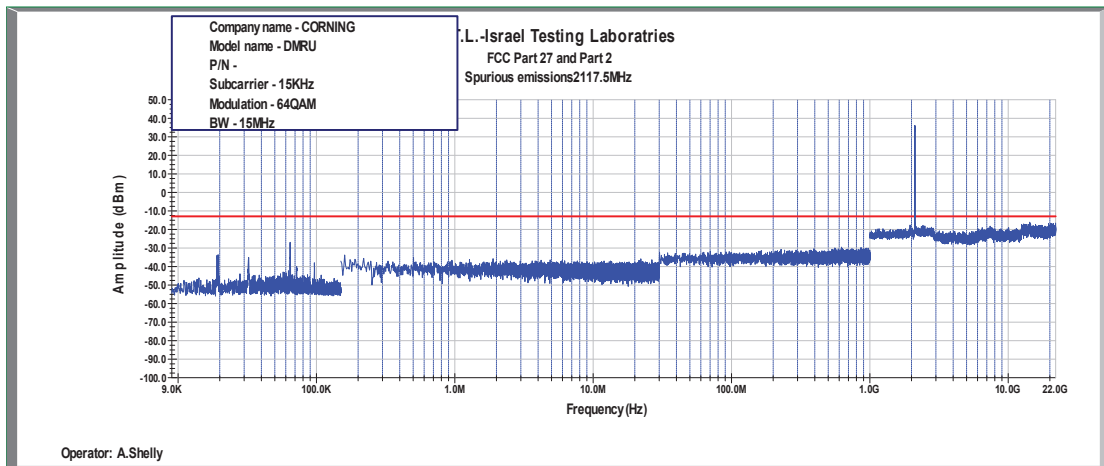


Figure 411: Spurious Emissions at Antenna Terminal 64QAM, 2117.5MHz, B.W. 15MHz, Sub Carrier 15kHz

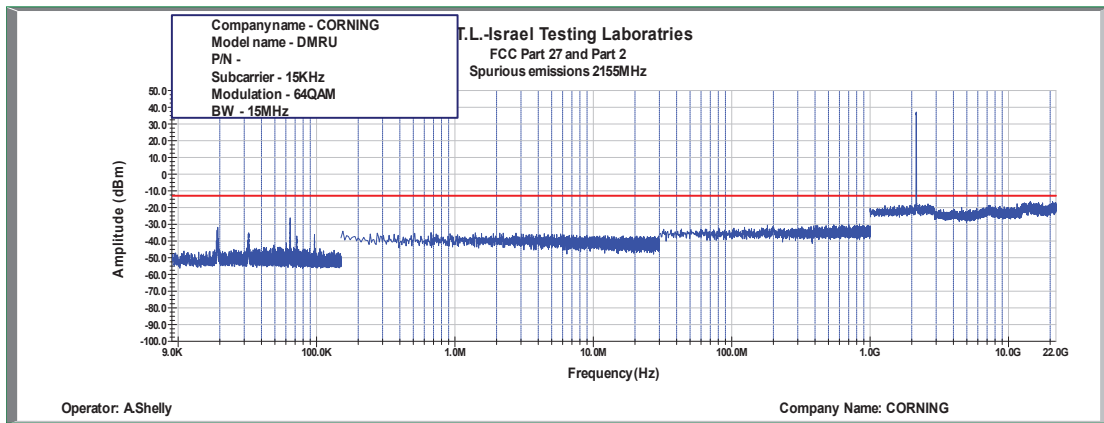


Figure 412: Spurious Emissions at Antenna Terminal 64QAM, 2155MHz, B.W. 15MHz, Sub Carrier 15kHz

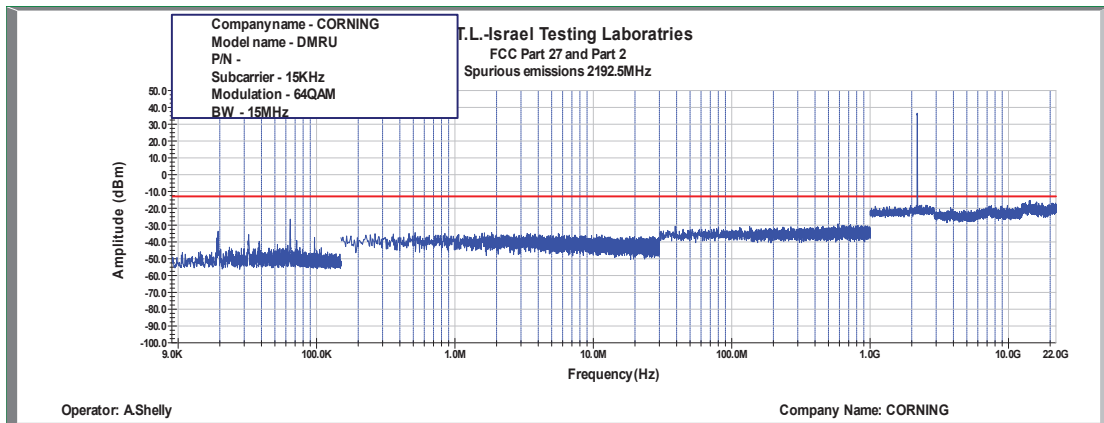


Figure 413: Spurious Emissions at Antenna Terminal 64QAM, 2192.5MHz, B.W. 15MHz, Sub Carrier 15kHz

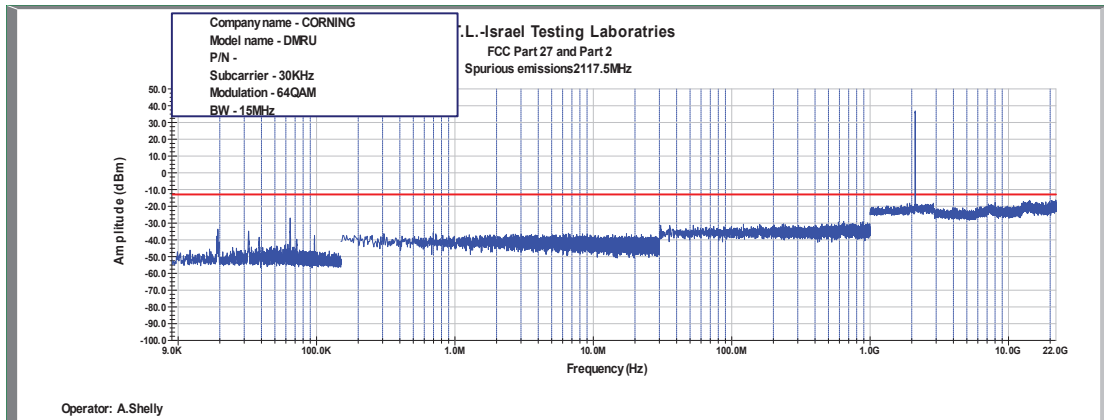


Figure 414: Spurious Emissions at Antenna Terminal 64QAM, 2117.5MHz, B.W. 15MHz, Sub Carrier 30kHz

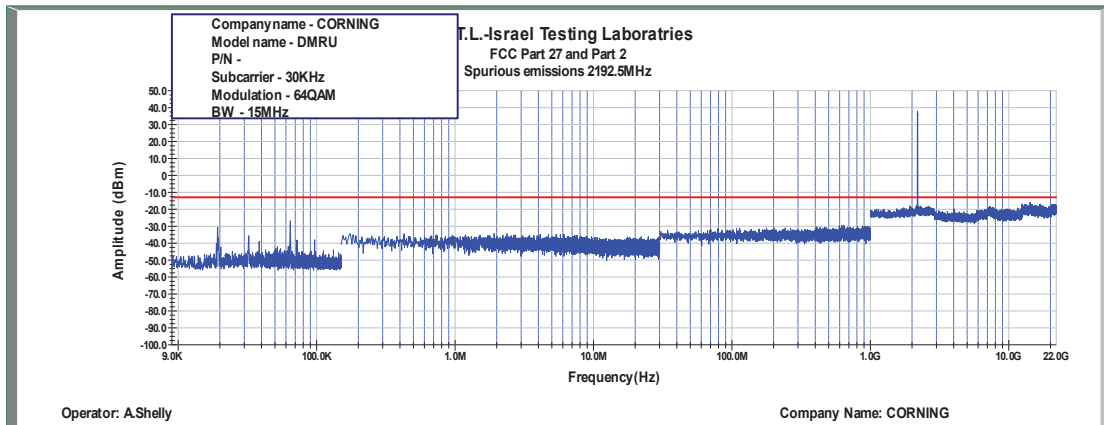


Figure 415: Spurious Emissions at Antenna Terminal 64QAM, 2155MHz, B.W. 15MHz, Sub Carrier 30kHz

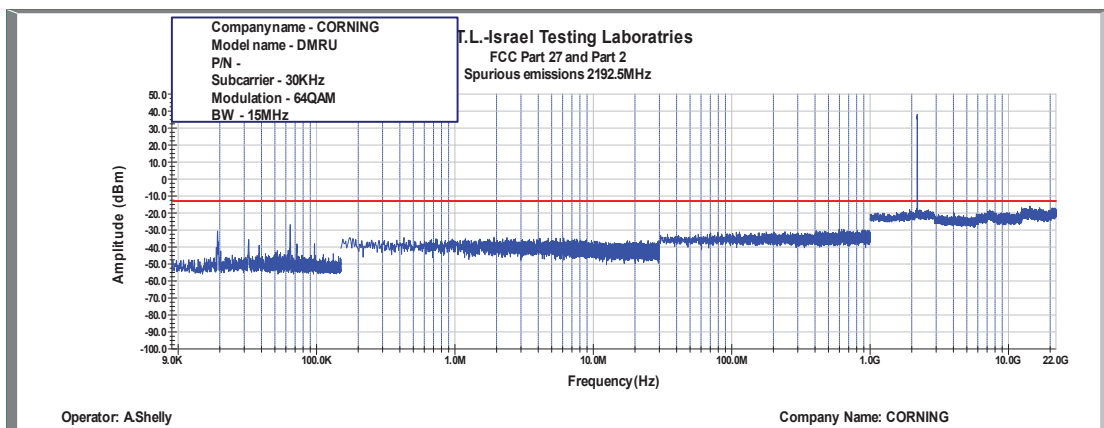


Figure 416: Spurious Emissions at Antenna Terminal 64QAM, 2192.5MHz, B.W. 15MHz, Sub Carrier 30kHz

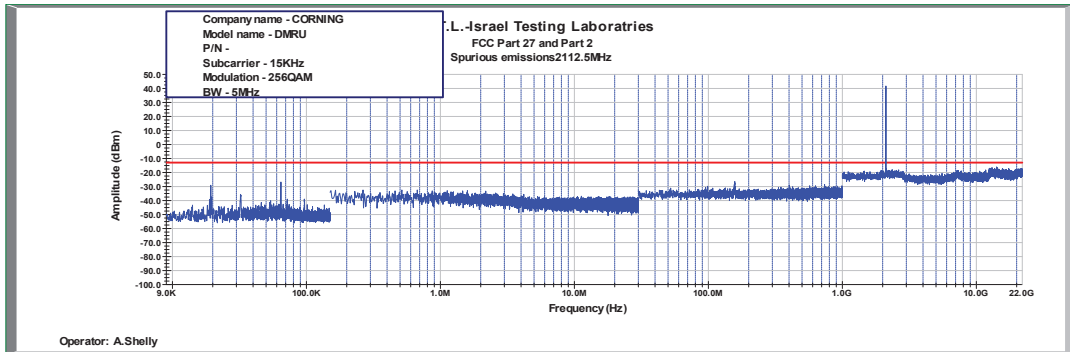


Figure 417: Spurious Emissions at Antenna Terminal 256QAM, 2112.5MHz, B.W. 5MHz, Sub Carrier 15kHz

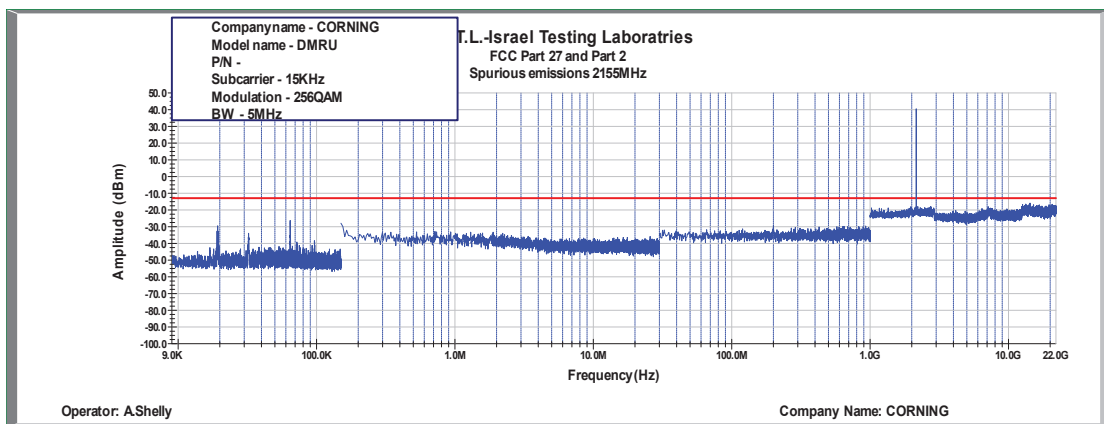


Figure 418: Spurious Emissions at Antenna Terminal 256QAM, 2155MHz, B.W. 5MHz, Sub Carrier 15kHz

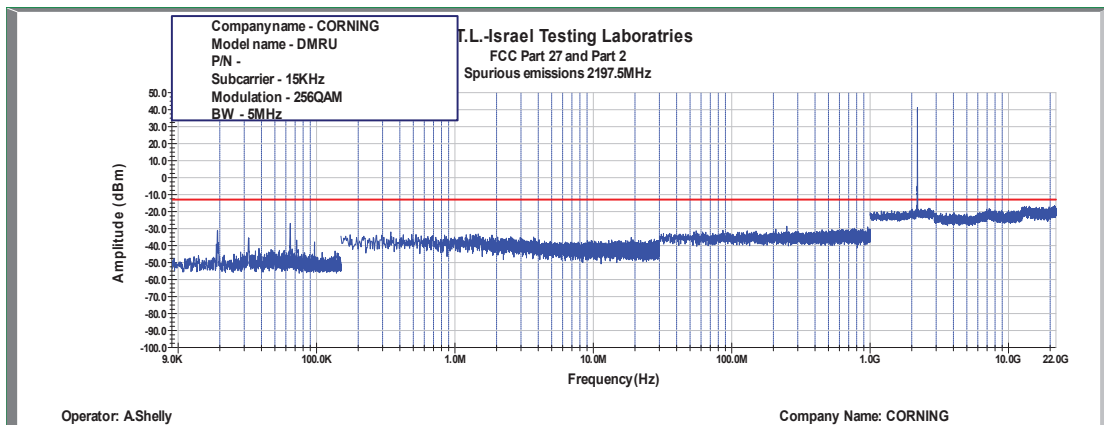


Figure 419: Spurious Emissions at Antenna Terminal 256QAM, 2197.5MHz, B.W. 5MHz, Sub Carrier 15kHz

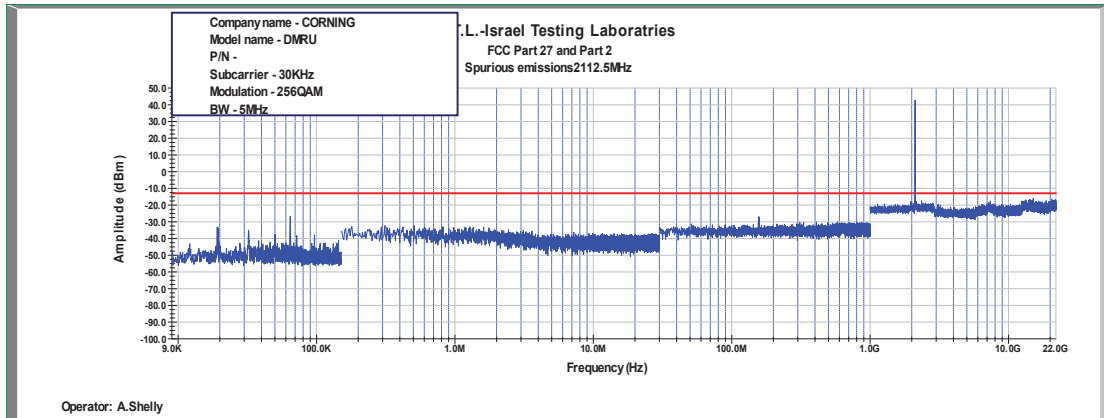


Figure 420: Spurious Emissions at Antenna Terminal 256QAM. 2122.5MHz, B.W. 5MHz, Sub Carrier 30kHz

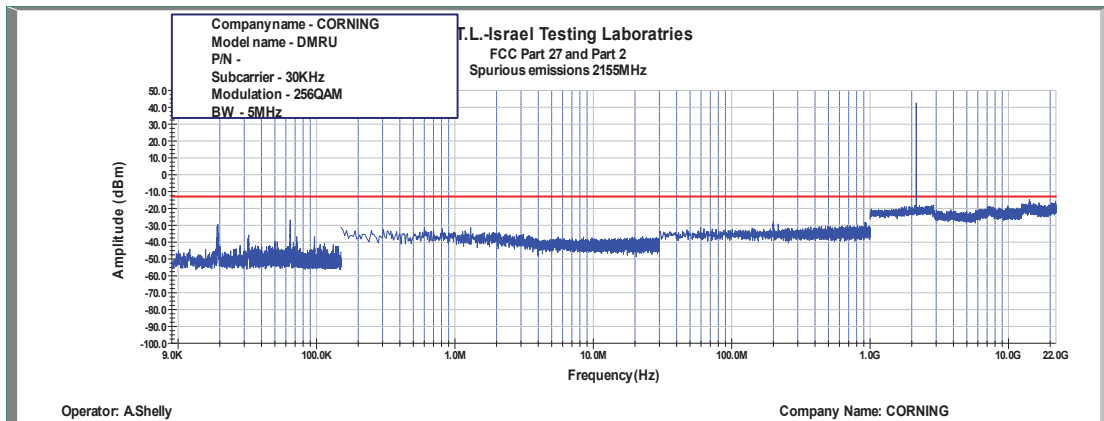


Figure 421: Spurious Emissions at Antenna Terminal 256QAM, 2155MHz, B.W. 5MHz, Sub Carrier 30kHz

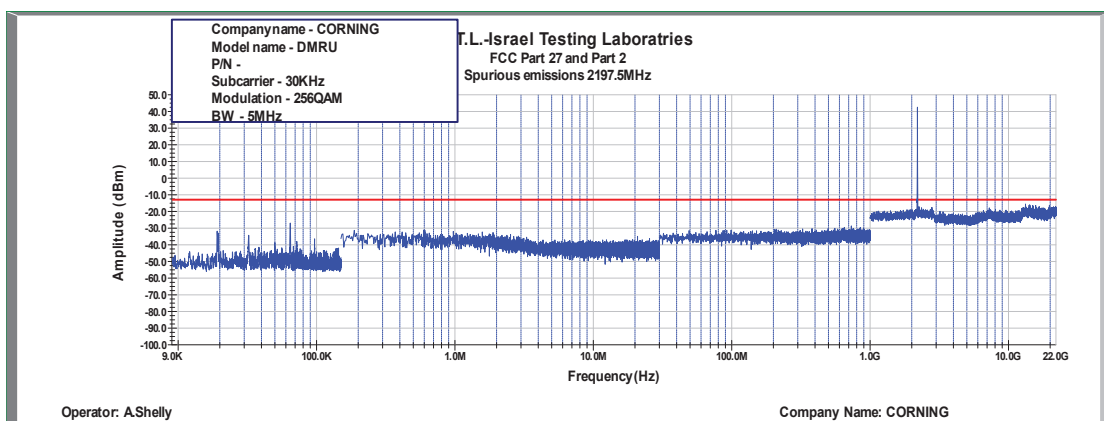


Figure 422: Spurious Emissions at Antenna Terminal 256QAM, 2197.5MHz, B.W. 5MHz, Sub Carrier 30kHz

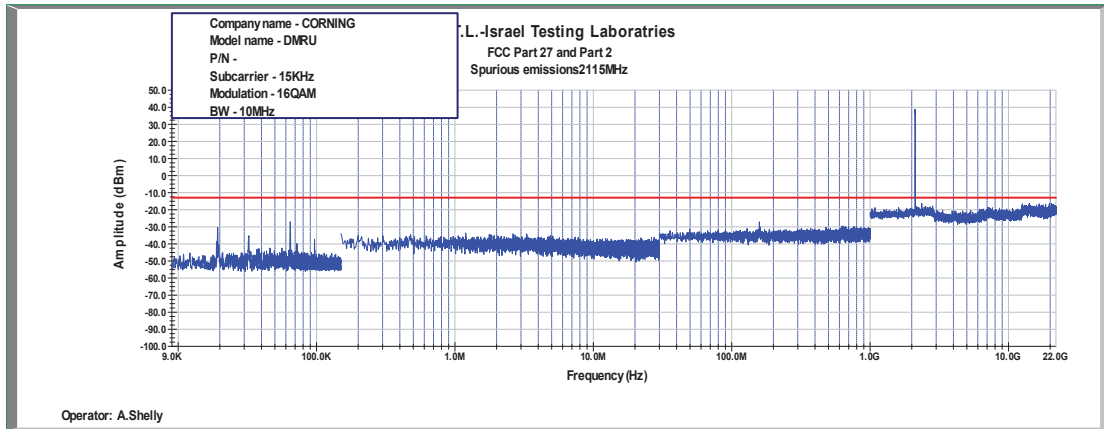


Figure 423: Spurious Emissions at Antenna Terminal 256QAM, 2115MHz,
B.W. 10MHz, Sub Carrier 15kHz

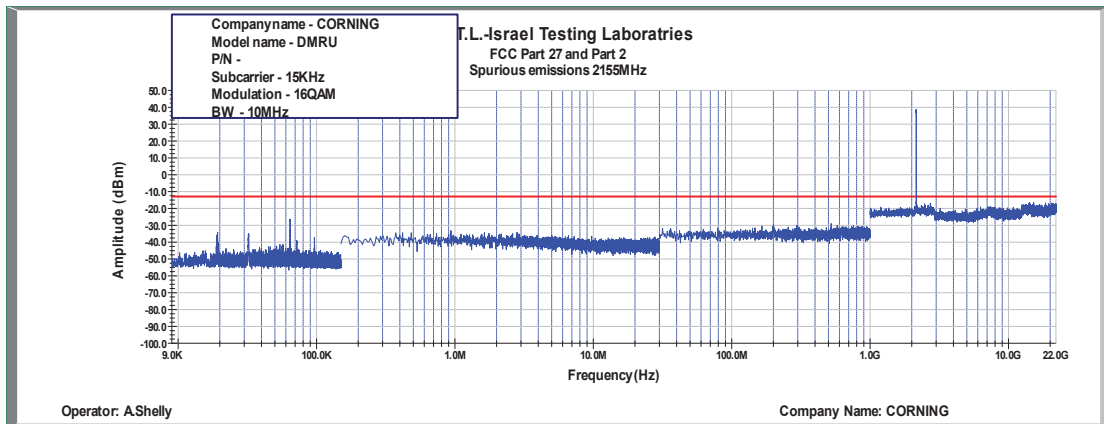


Figure 424: Spurious Emissions at Antenna Terminal 256QAM, 2155MHz,
B.W. 10MHz, Sub Carrier 15kHz

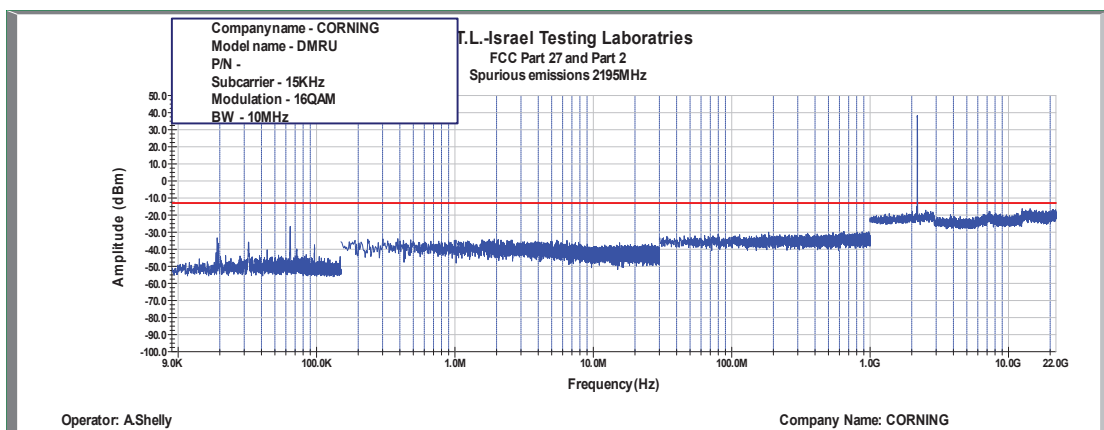


Figure 425: Spurious Emissions at Antenna Terminal 256QAM, 2195MHz,
B.W. 10MHz, Sub Carrier 15kHz

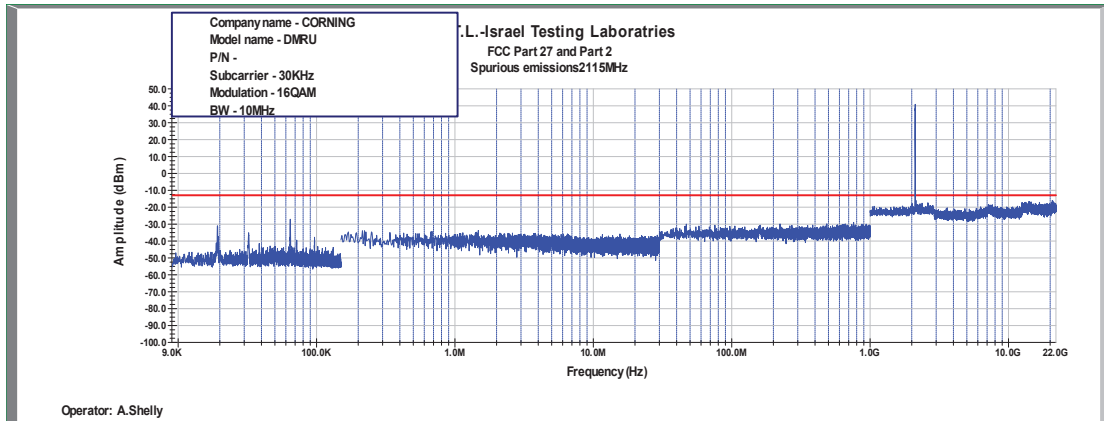


Figure 426: Spurious Emissions at Antenna Terminal 256QAM, 2115MHz, B.W. 10MHz, Sub Carrier 30kHz

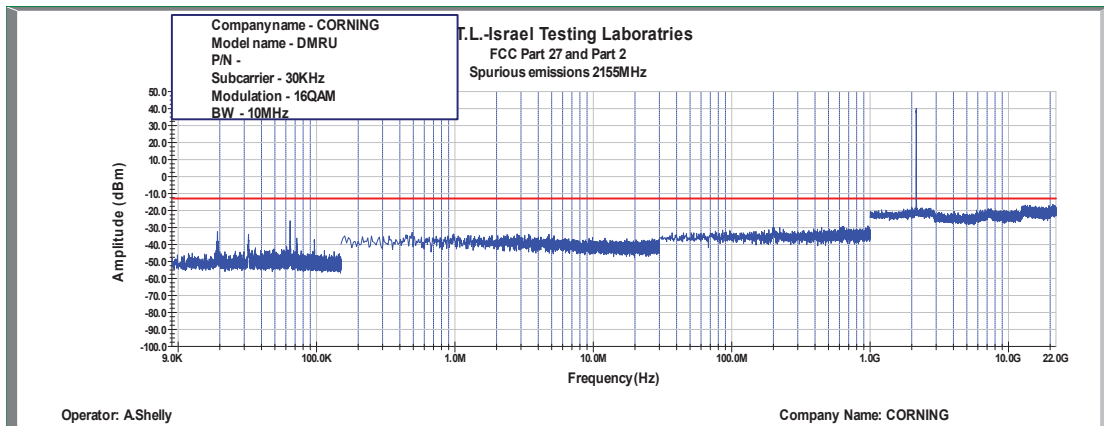


Figure 427: Spurious Emissions at Antenna Terminal 256QAM, 2155MHz, B.W. 10MHz, Sub Carrier 30kHz

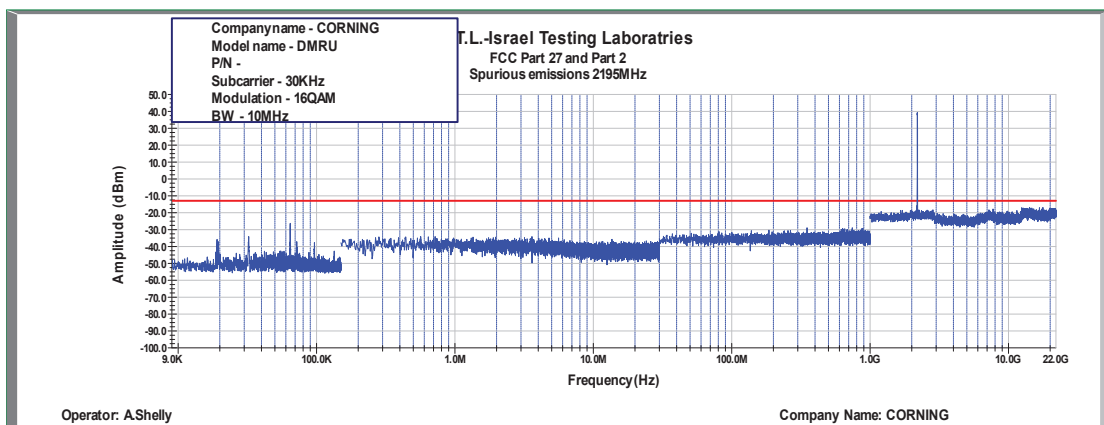


Figure 428: Spurious Emissions at Antenna Terminal 256QAM, 2195MHz, B.W. 10MHz, Sub Carrier 30kHz

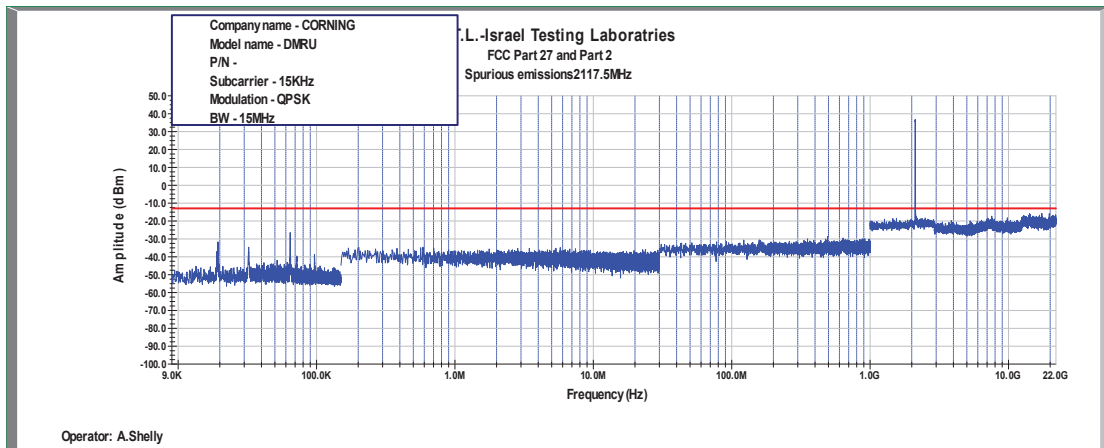


Figure 429: Spurious Emissions at Antenna Terminal 256QAM, 2117.5MHz, B.W. 15MHz, Sub Carrier 15kHz

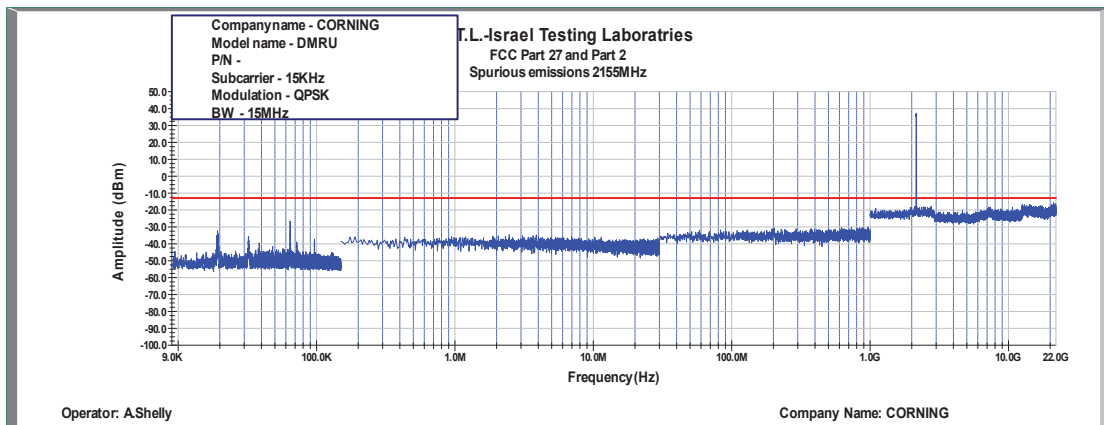


Figure 430: Spurious Emissions at Antenna Terminal 256QAM, 2155MHz, B.W. 15MHz, Sub Carrier 15kHz

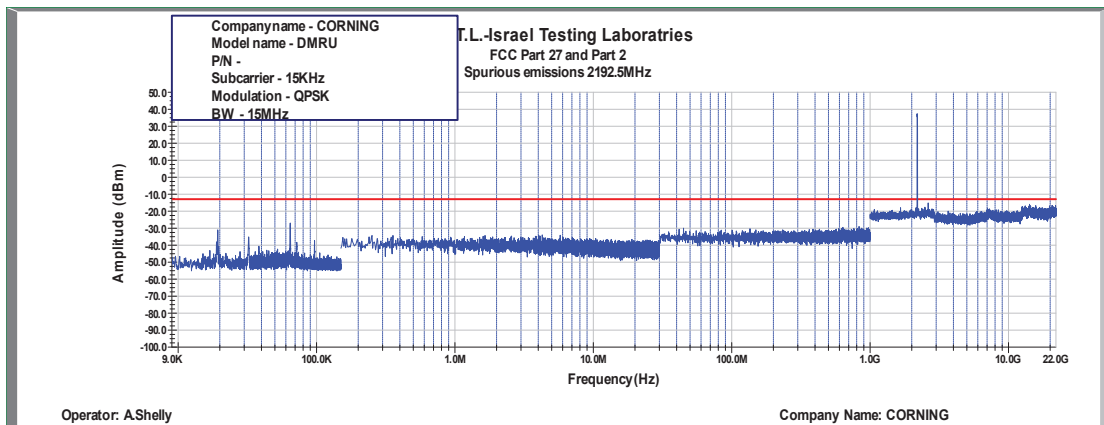


Figure 431: Spurious Emissions at Antenna Terminal 256QAM, 2192.5MHz, B.W. 15MHz, Sub Carrier 15kHz

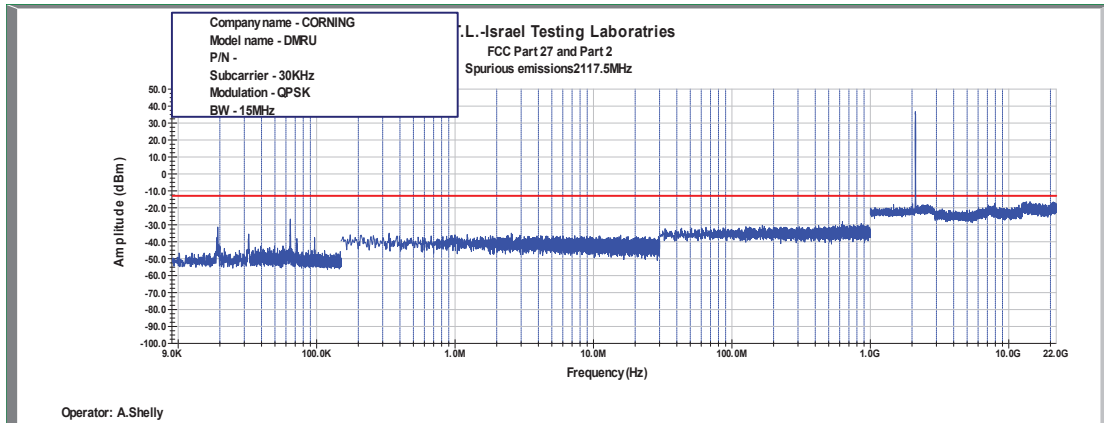


Figure 432: Spurious Emissions at Antenna Terminal 256QAM, 2117.5MHz, B.W. 15MHz, Sub Carrier 30kHz

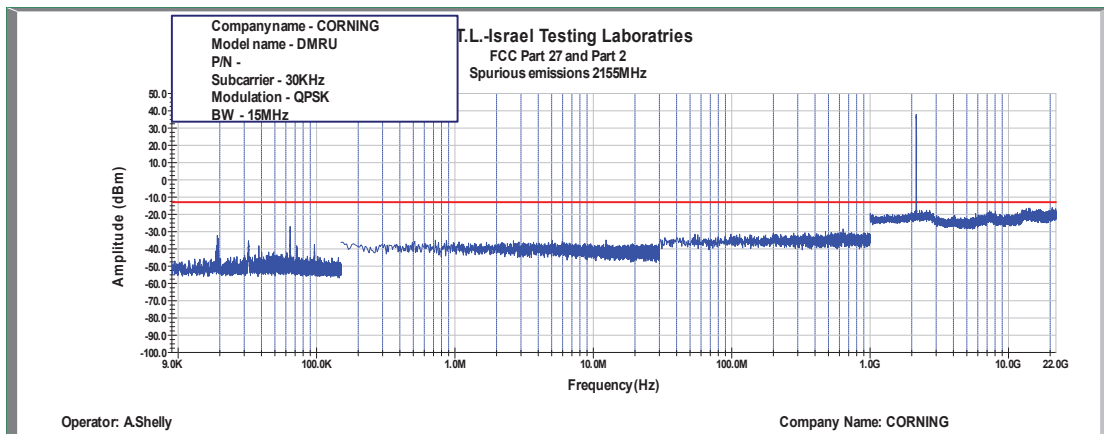


Figure 433: Spurious Emissions at Antenna Terminal 256QAM, 2155MHz, B.W. 15MHz, Sub Carrier 30kHz

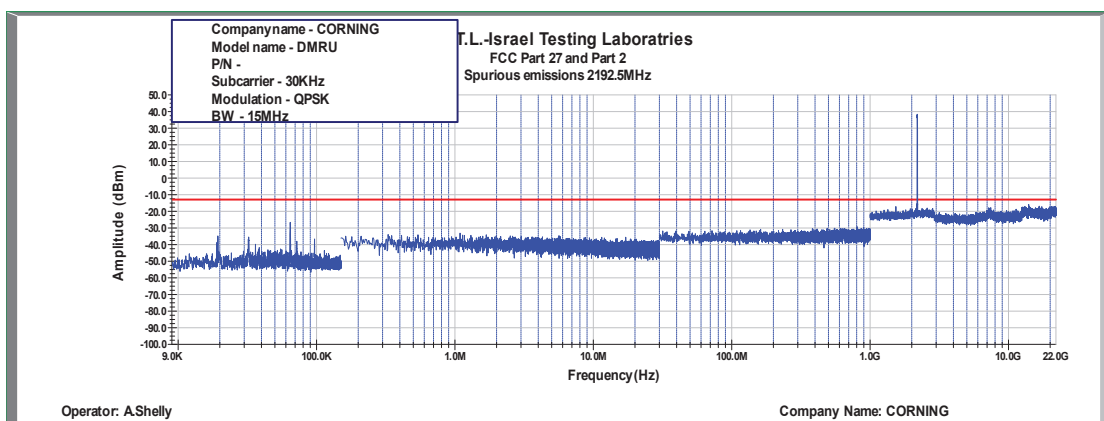


Figure 434: Spurious Emissions at Antenna Terminal 256QAM, 2192.5MHz, B.W. 15MHz, Sub Carrier 30kHz

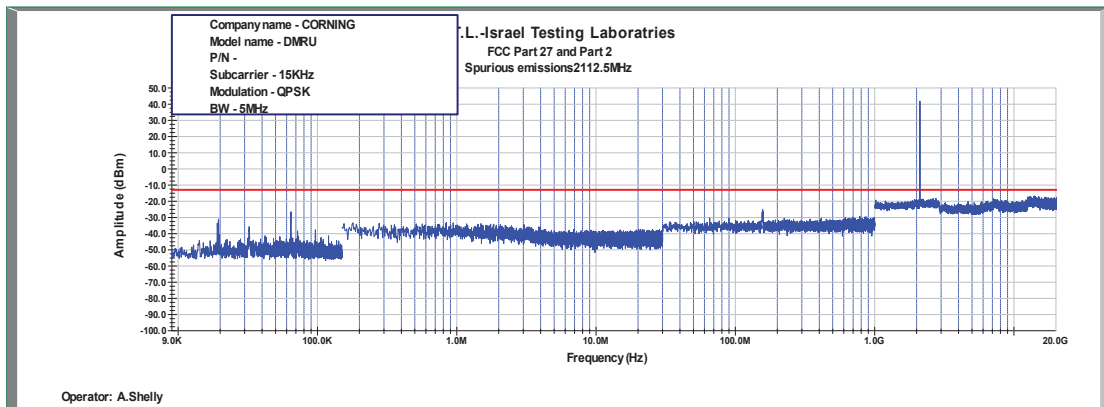


Figure 435: Spurious Emissions at Antenna Terminal QPSK, 2112.5MHz, B.W. 5MHz, Sub Carrier 15kHz

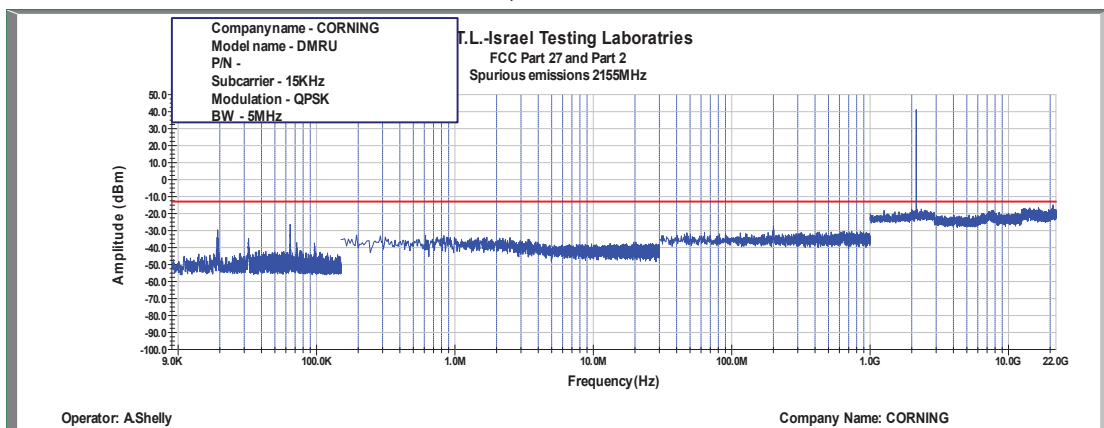


Figure 436: Spurious Emissions at Antenna Terminal QPSK, 2155MHz, B.W. 5MHz, Sub Carrier 15kHz

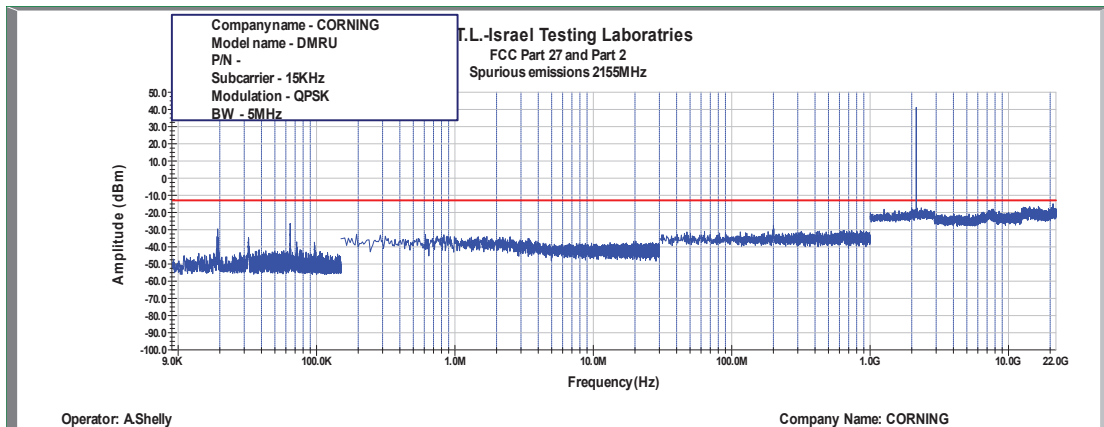


Figure 437: Spurious Emissions at Antenna Terminal QPSK, 2197.5MHz, B.W. 5MHz, Sub Carrier 15kHz

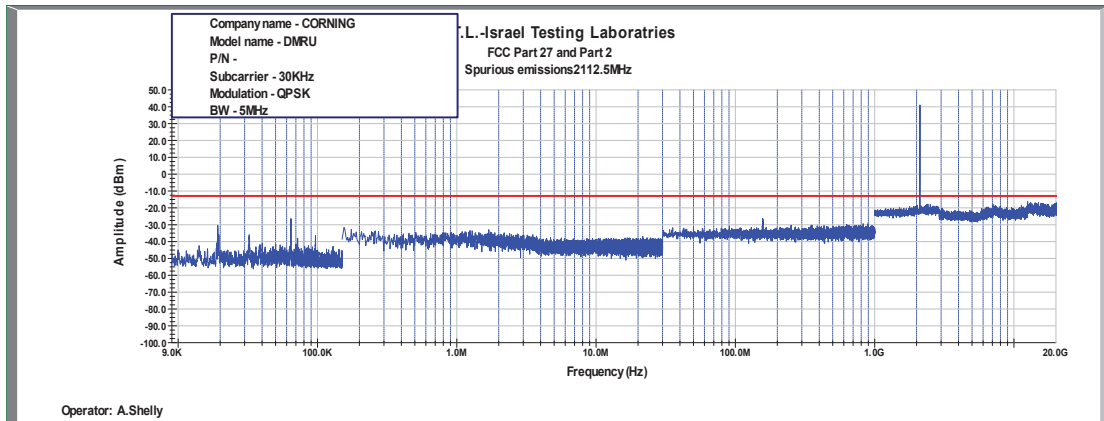


Figure 438: Spurious Emissions at Antenna Terminal QPSK, 2112.5MHz, B.W. 5MHz, Sub Carrier 30kHz

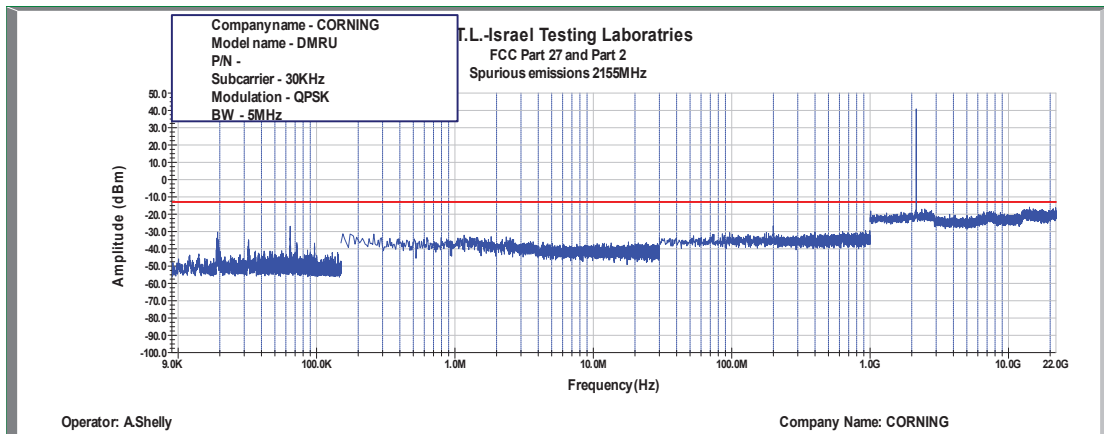


Figure 439: Spurious Emissions at Antenna Terminal QPSK, 2155MHz, B.W. 5MHz, Sub Carrier 30kHz

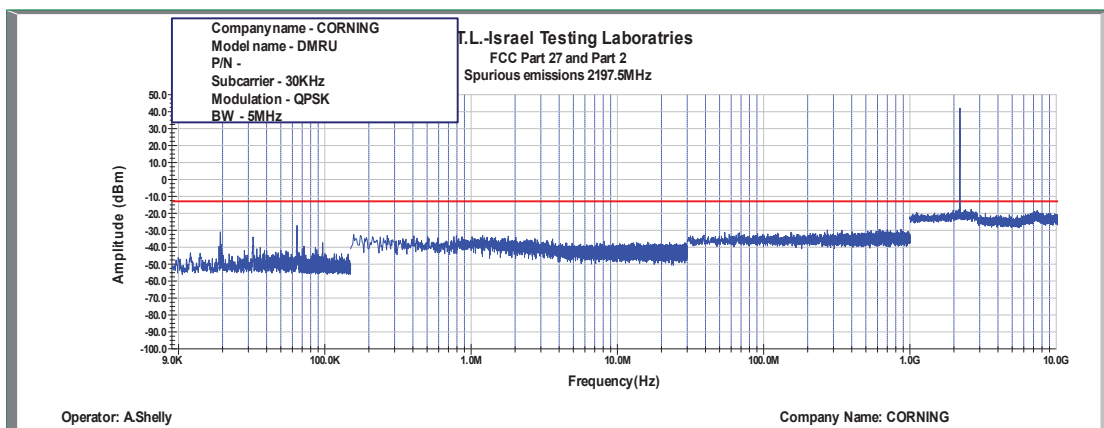


Figure 440: Spurious Emissions at Antenna Terminal QPSK, 2197.5MHz, B.W. 5MHz, Sub Carrier 30kHz