

Figure 350: 256QAM 10MHz B.W.; 753.0MHz, 15kHz - Output

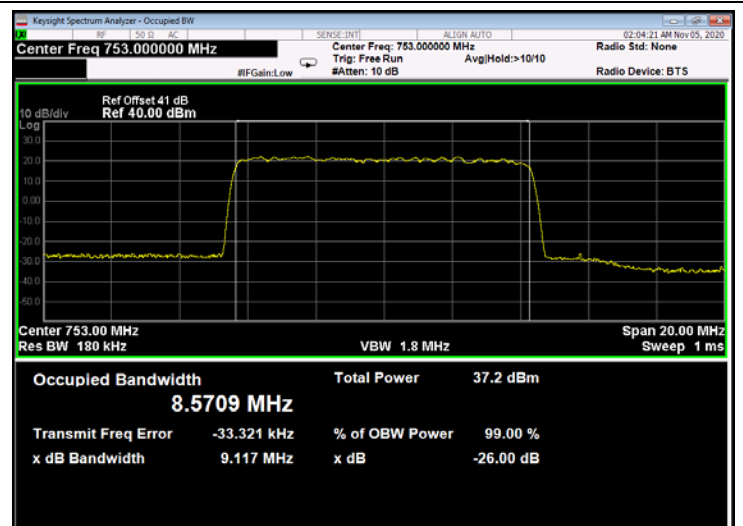


Figure 351: 256QAM 10MHz B.W.; 753.0MHz, 30kHz - Output

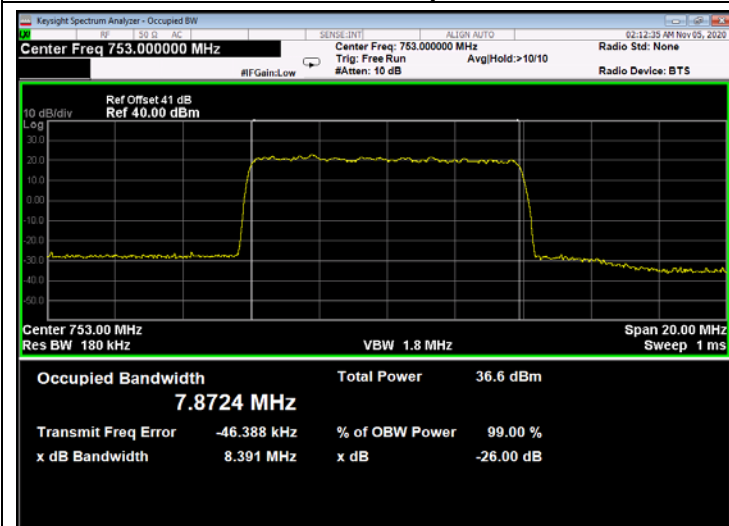


Figure 352: 256QAM 10MHz B.W.; 753.0MHz, 60kHz - Output

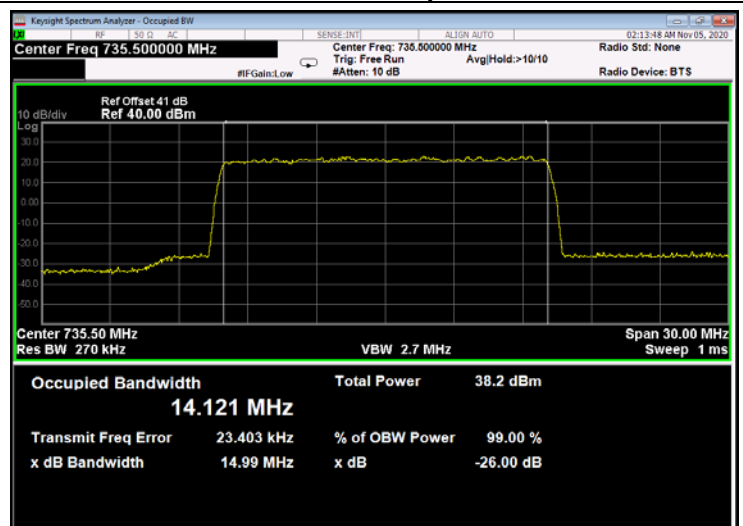


Figure 353: 256QAM 15MHz B.W.; 735.5MHz, 15kHz - Output

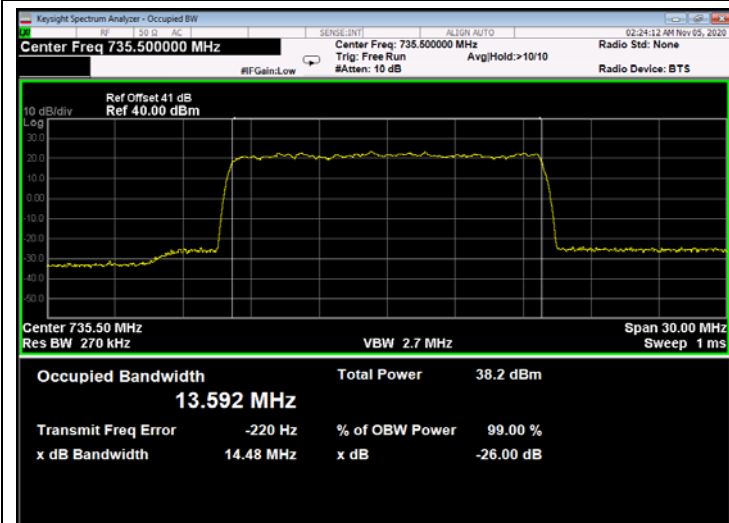


Figure 354: 256QAM 15MHz B.W.; 735.5MHz, 30kHz - Output

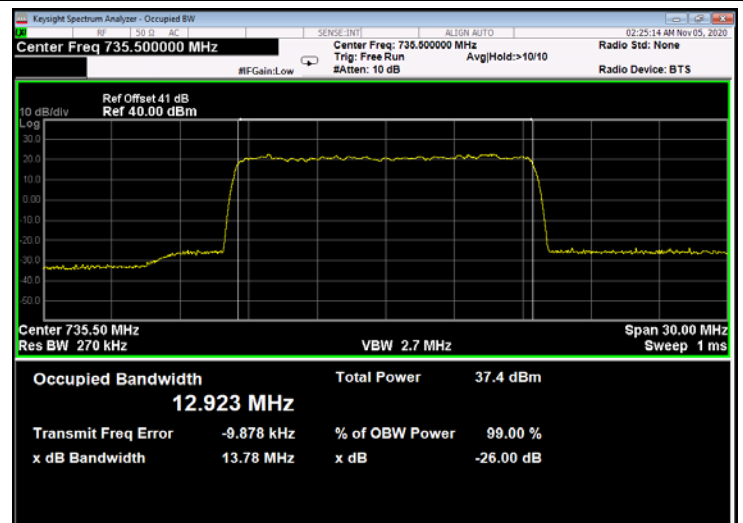


Figure 355: 256QAM 15MHz B.W.; 735.5MHz, 60kHz - Output

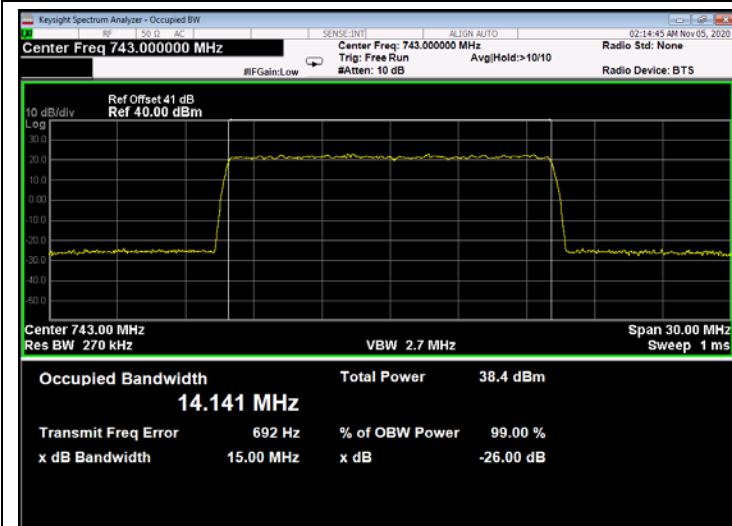


Figure 356: 256QAM 15MHz B.W.; 743.0MHz, 15kHz - Output

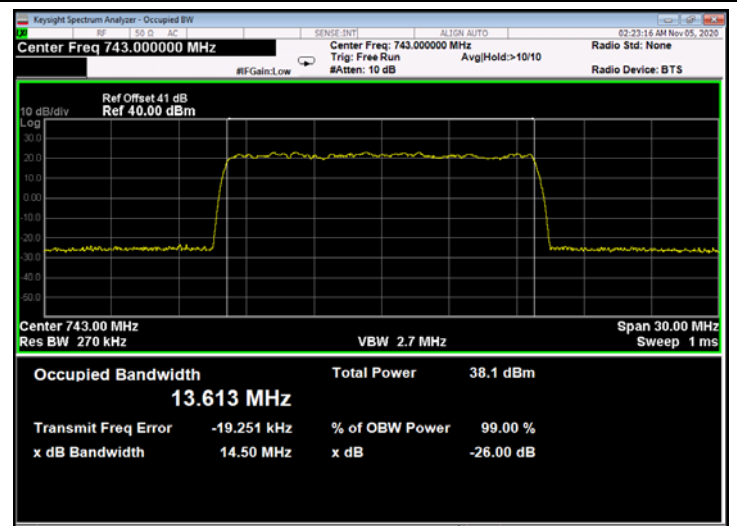


Figure 357: 256QAM 15MHz B.W.; 743.0MHz, 30kHz - Output

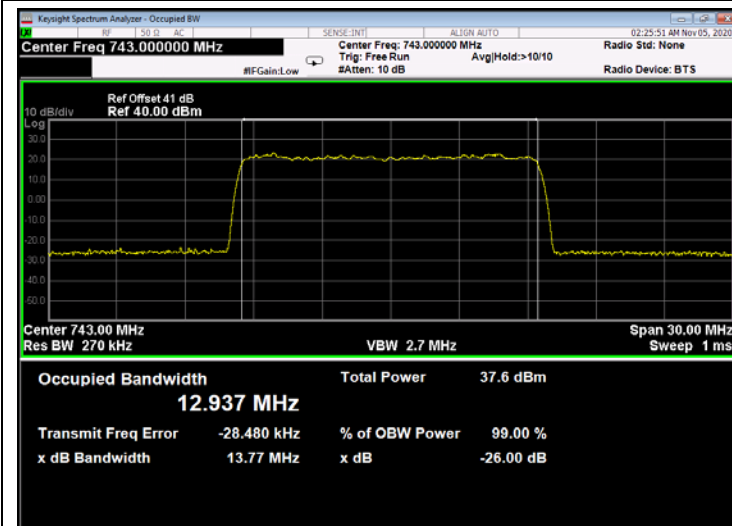


Figure 358: 256QAM 15MHz B.W.; 743.0MHz, 60kHz - Output

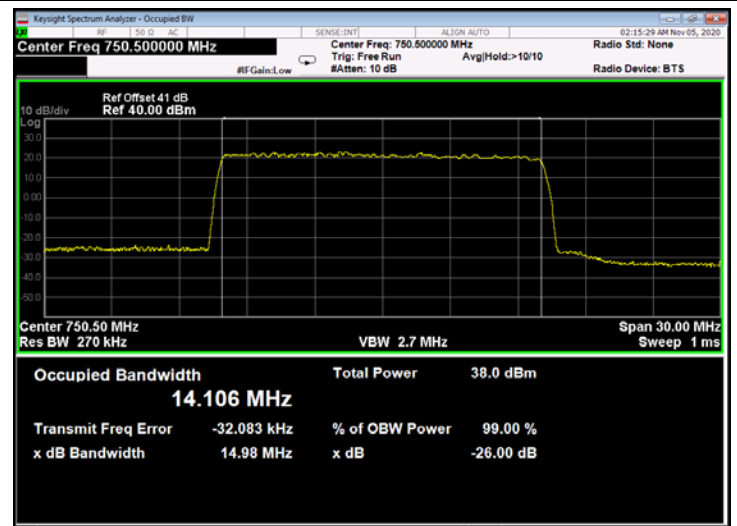


Figure 359: 256QAM 15MHz B.W.; 750.5MHz, 15kHz - Output

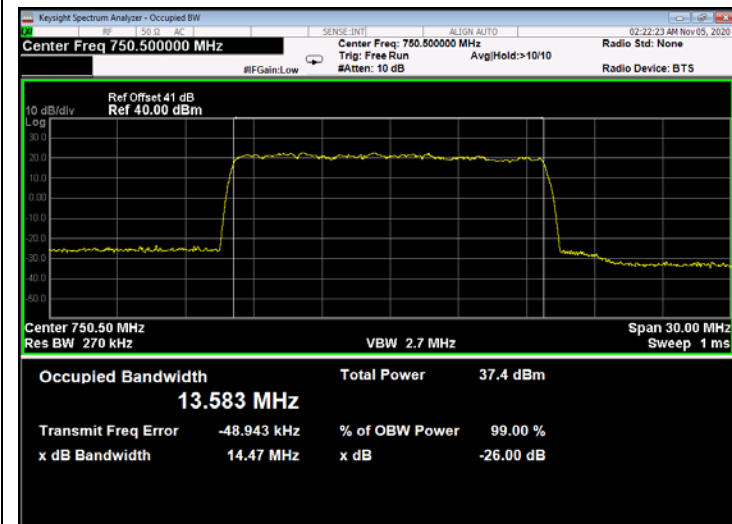


Figure 360: 256QAM 15MHz B.W.; 750.5MHz, 30kHz - Output

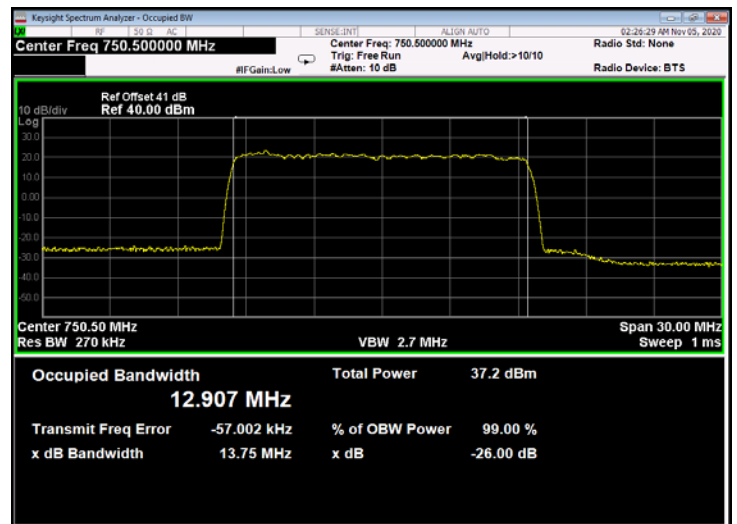


Figure 361: 256QAM 15MHz B.W.; 750.5MHz, 60kHz - Output

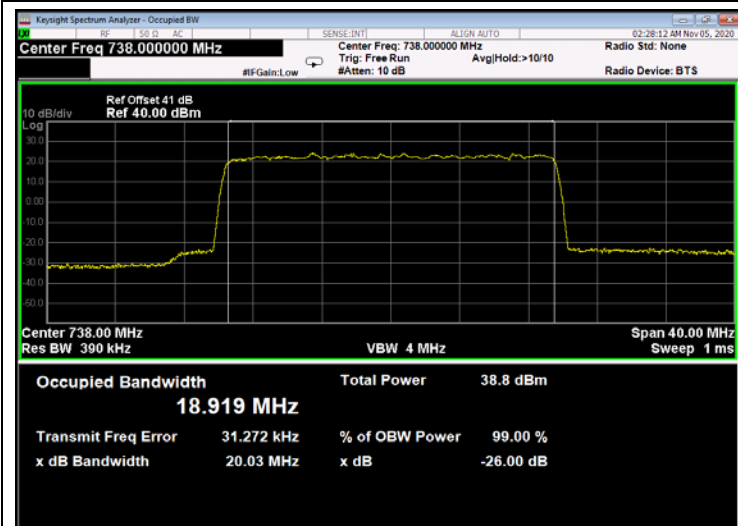


Figure 362: 256QAM 20MHz B.W.; 738.0MHz, 15kHz - Output

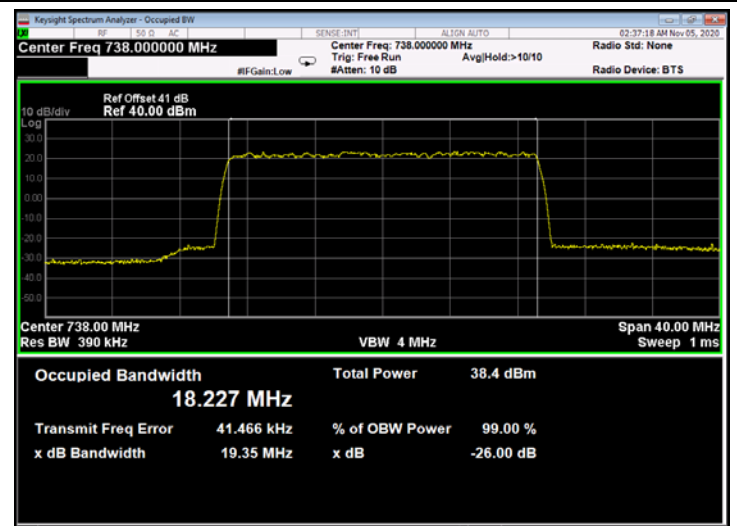


Figure 363: 256QAM 20MHz B.W.; 738.0MHz, 30kHz - Output

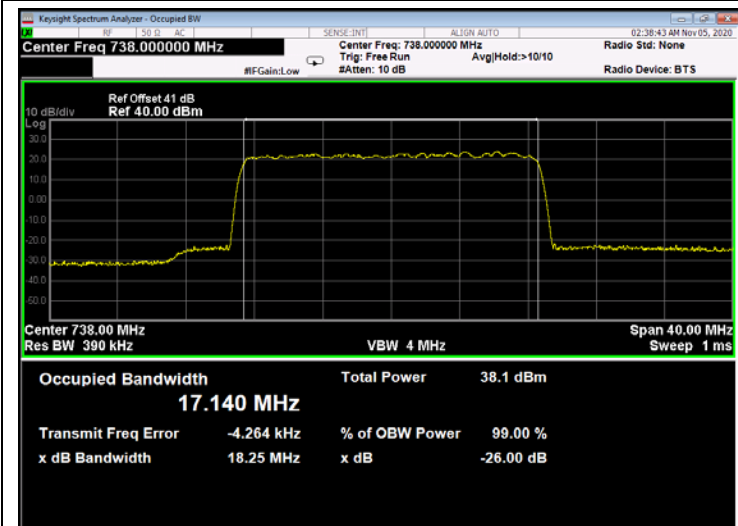


Figure 364: 256QAM 20MHz B.W.; 738.0MHz, 60kHz - Output

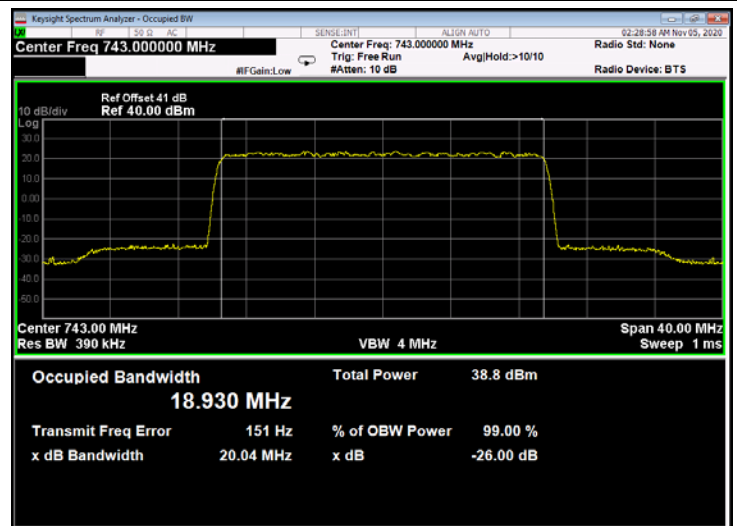


Figure 365: 256QAM 20MHz B.W.; 743.0MHz, 15kHz - Output

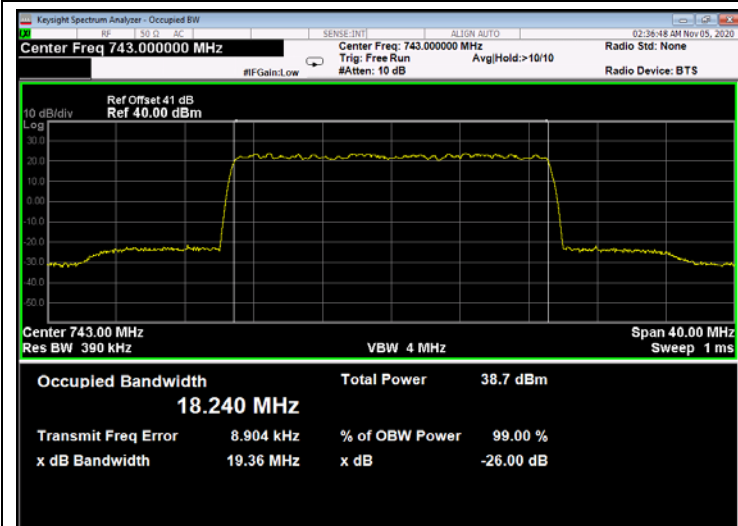


Figure 366: 256QAM 20MHz B.W.; 743.0MHz, 30kHz - Output

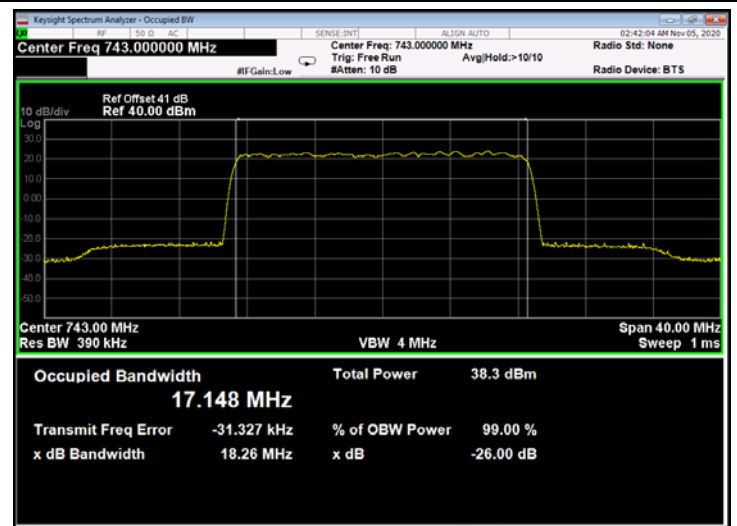


Figure 367: 256QAM 20MHz B.W.; 743.0MHz, 60kHz - Output

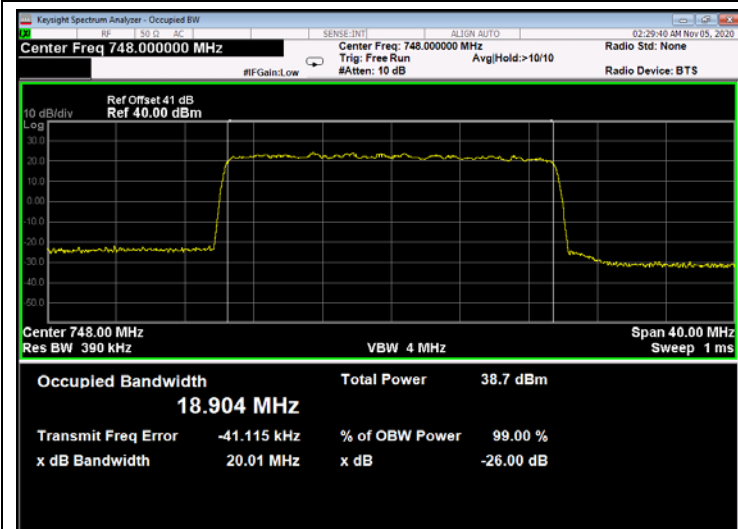


Figure 368: 256QAM 20MHz B.W.; 748.0MHz, 15kHz - Output

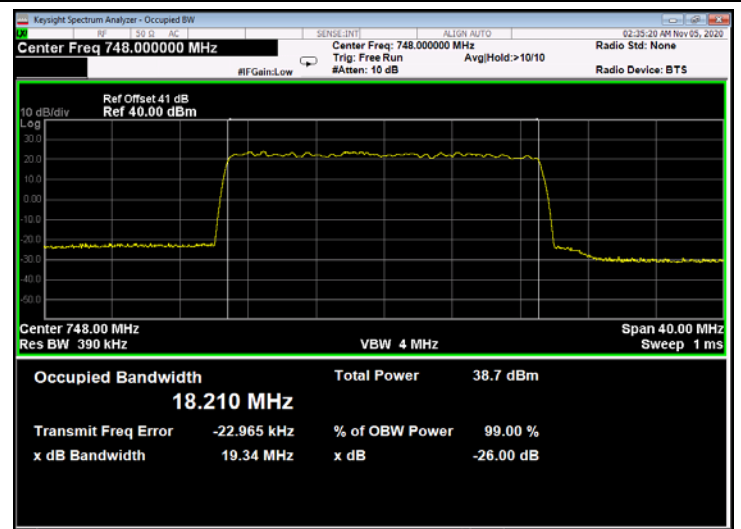


Figure 369: 256QAM 20MHz B.W.; 748.0MHz, 30kHz - Output

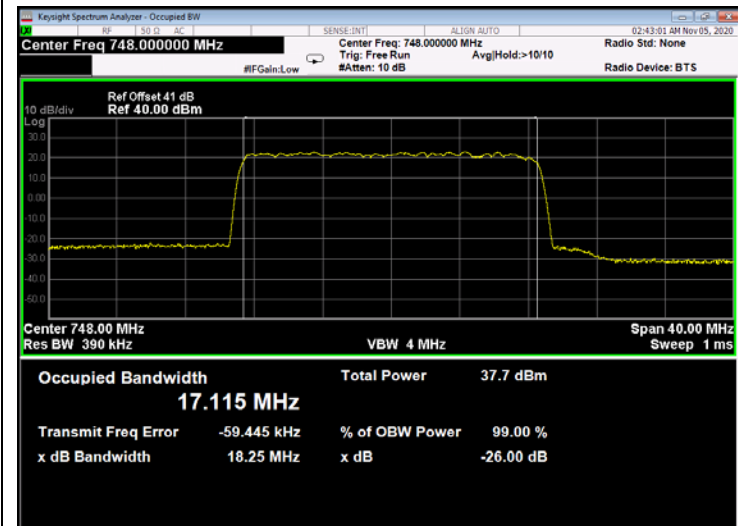


Figure 370: 256QAM 20MHz B.W.; 748.0MHz, 60kHz - Output

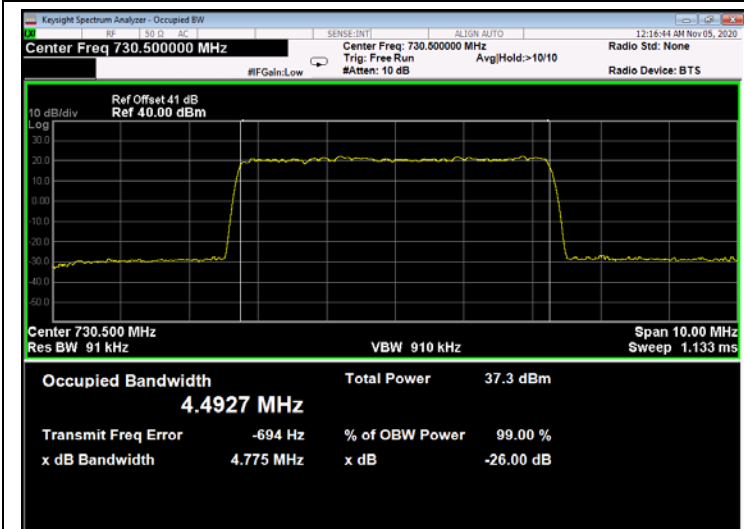


Figure 371: QPSK 5MHz B.W.; 730.5MHz, 15kHz - Output

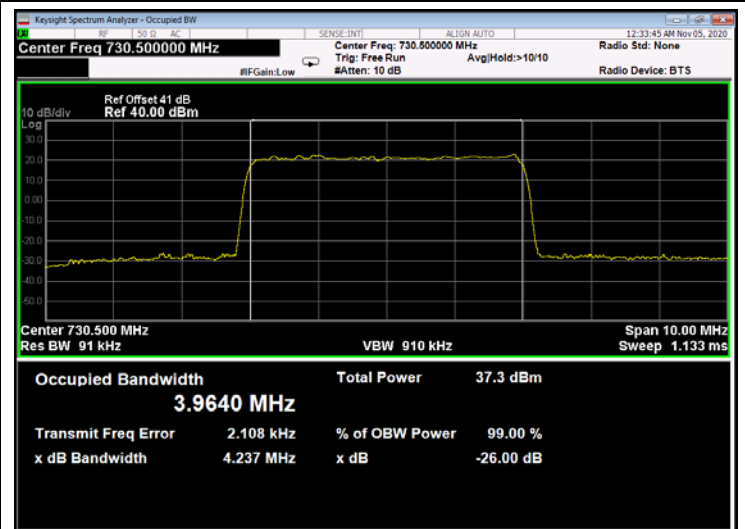


Figure 372: QPSK 5MHz B.W.; 730.5MHz, 30kHz - Output

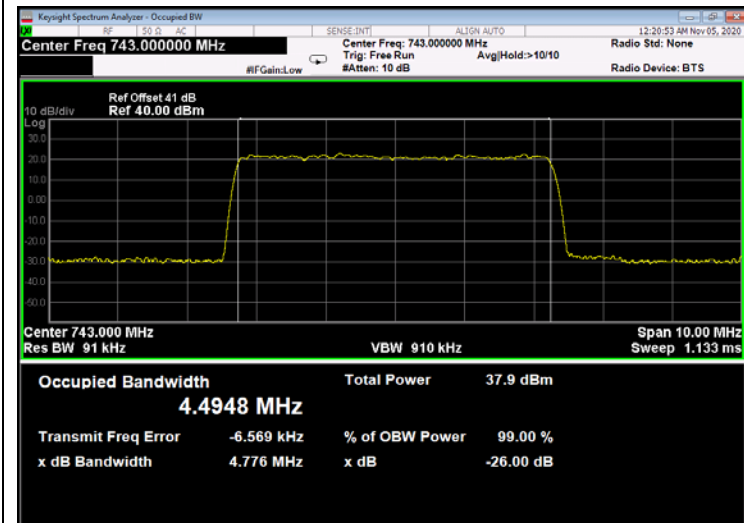


Figure 373: QPSK 5MHz B.W.; 743.0MHz, 15kHz - Output

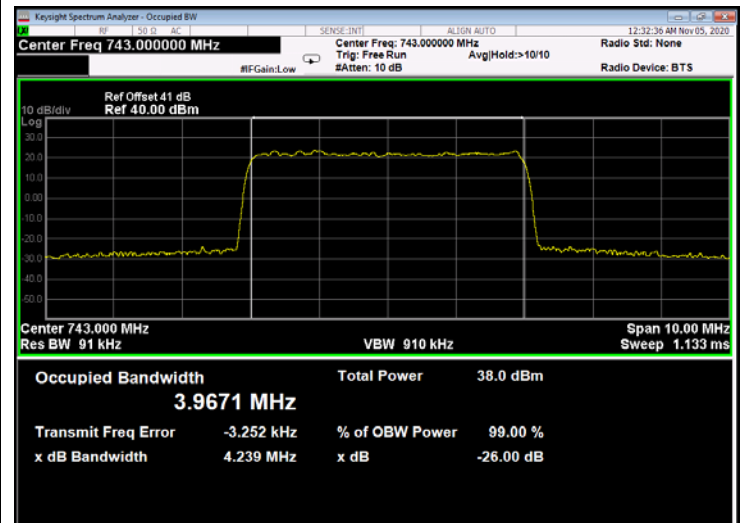


Figure 374: QPSK 5MHz B.W.; 743.0MHz, 30kHz - Output

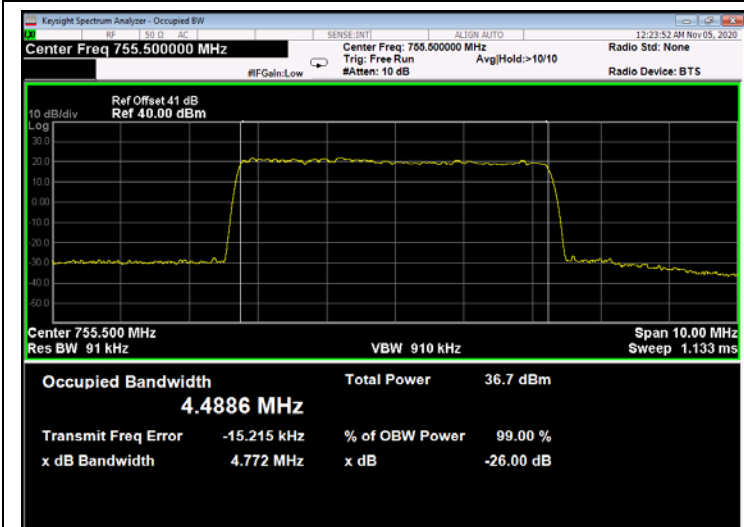


Figure 375: QPSK 5MHz B.W.; 755.5MHz, 15kHz - Output

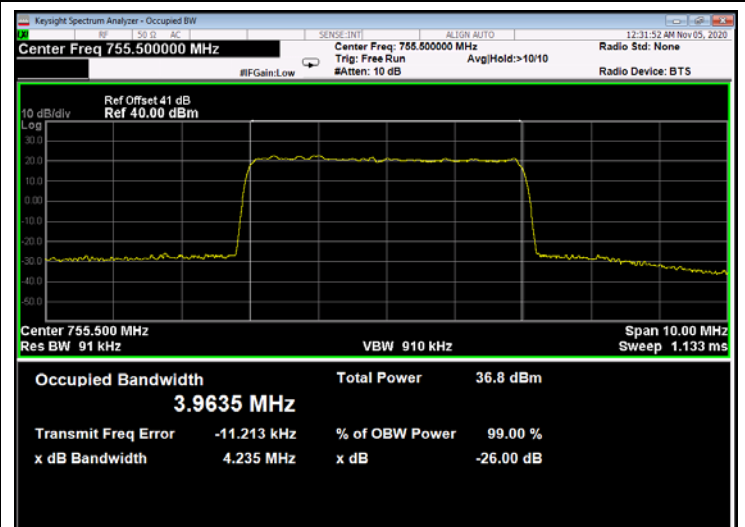


Figure 376: QPSK 5MHz B.W.; 755.5MHz, 30kHz - Output



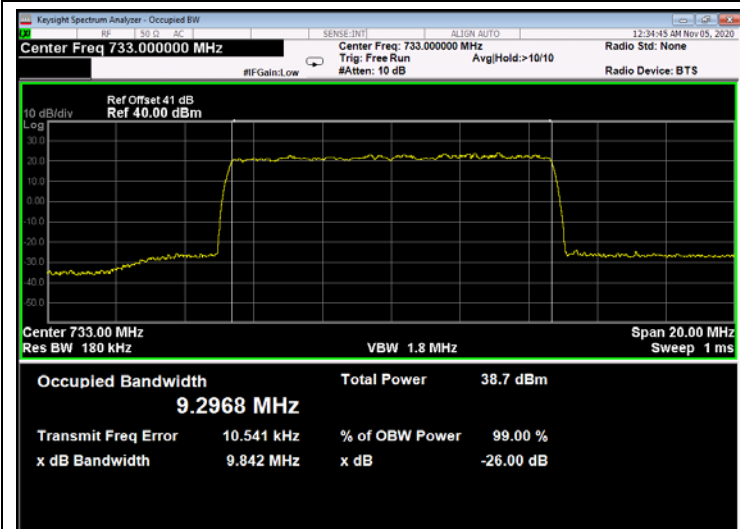


Figure 377: QPSK 10MHz B.W.; 733.0MHz, 15kHz - Output

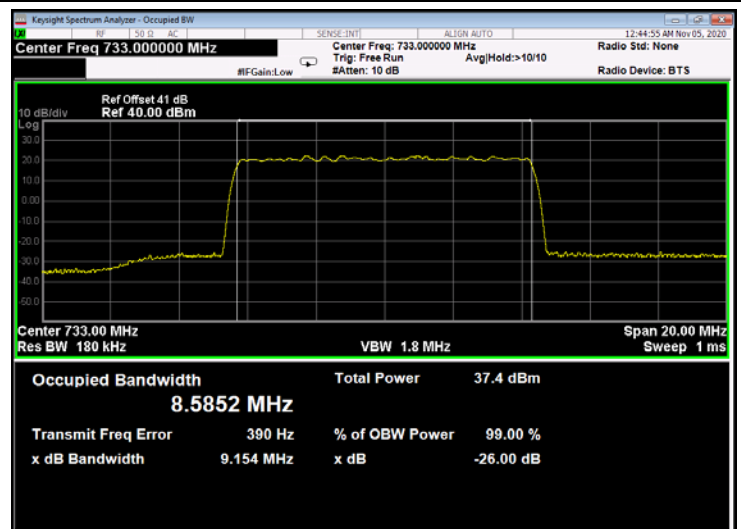


Figure 378: QPSK 10MHz B.W.; 733.0MHz, 30kHz - Output

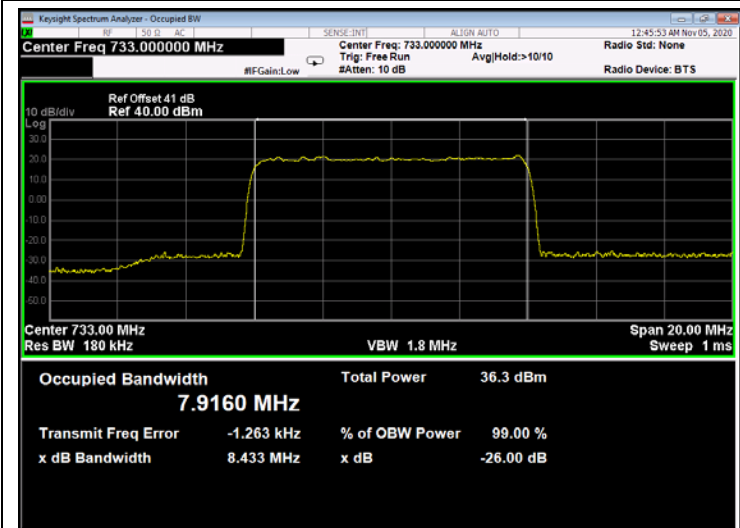


Figure 379: QPSK 10MHz B.W.; 733.0MHz, 60kHz - Output

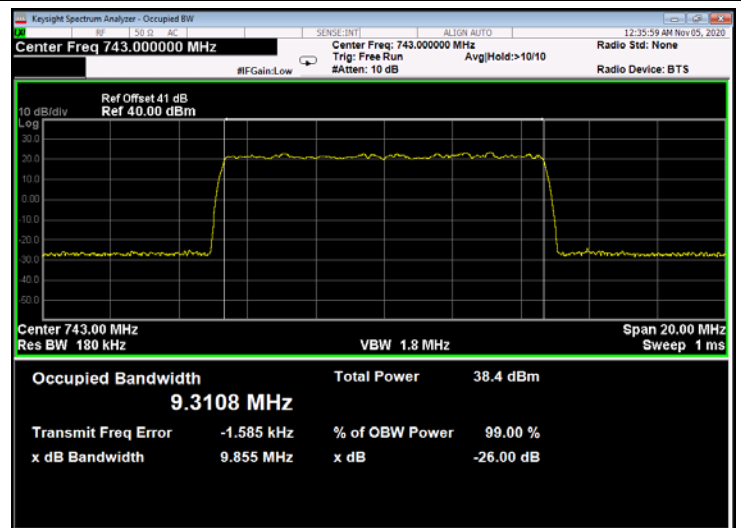


Figure 380: QPSK 10MHz B.W.; 743.0MHz, 15kHz - Output

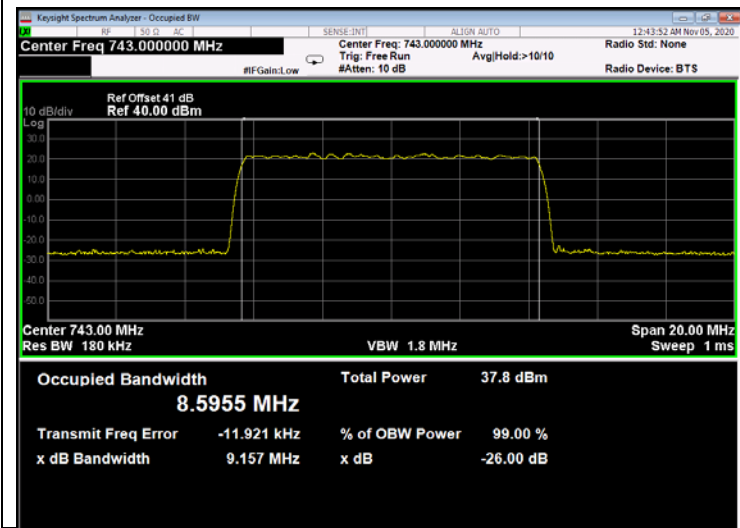


Figure 381: QPSK 10MHz B.W.; 743.0MHz, 30kHz - Output

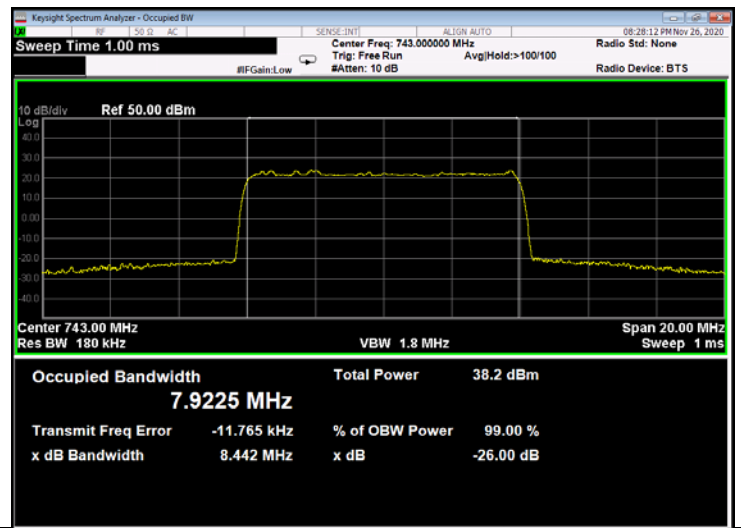


Figure 382: QPSK 10MHz B.W.; 743.0MHz, 60kHz - Output

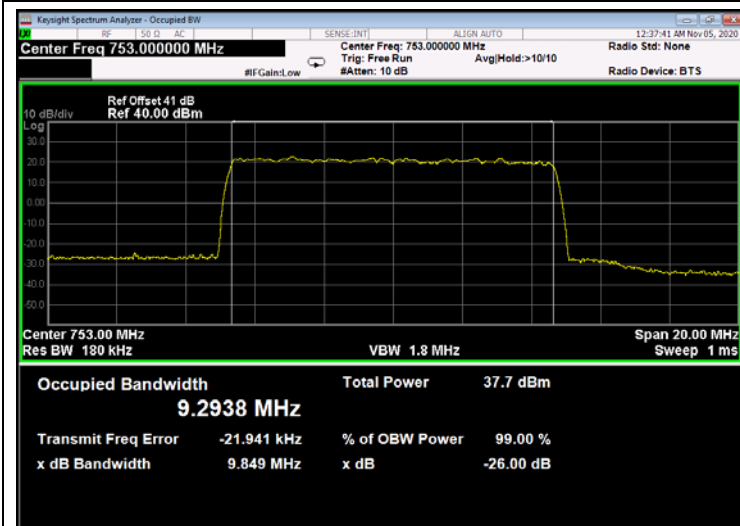


Figure 383: QPSK 10MHz B.W.; 753.0MHz, 15kHz - Output

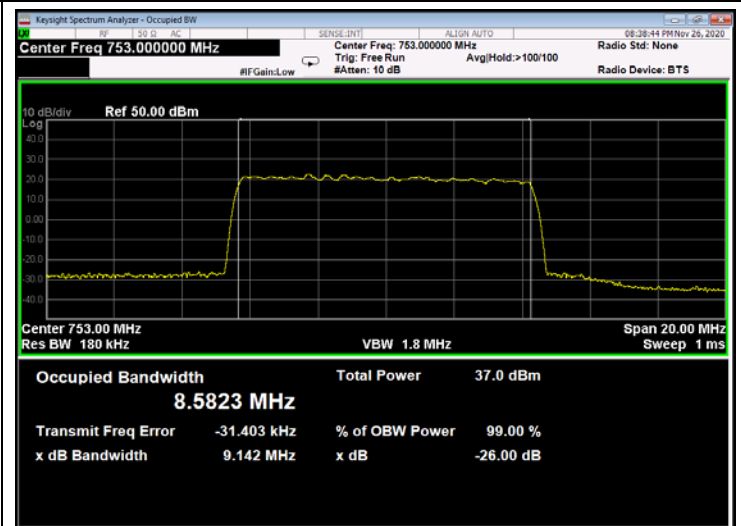


Figure 384: QPSK 10MHz B.W.; 753.0MHz, 30kHz - Output

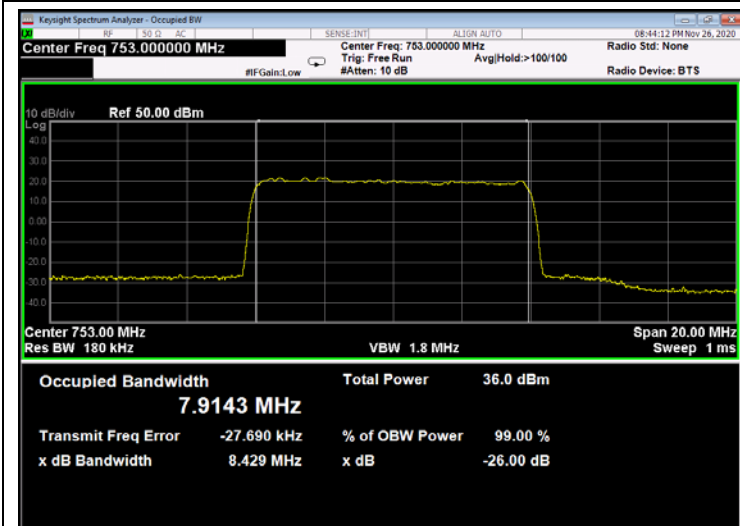


Figure 385: QPSK 10MHz B.W.; 753.0MHz, 60kHz - Output

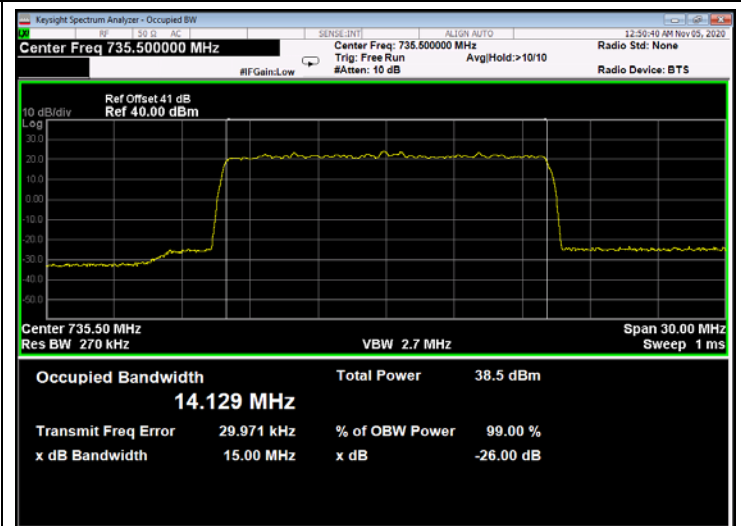


Figure 386: QPSK 15MHz B.W.; 735.5MHz, 15kHz - Output

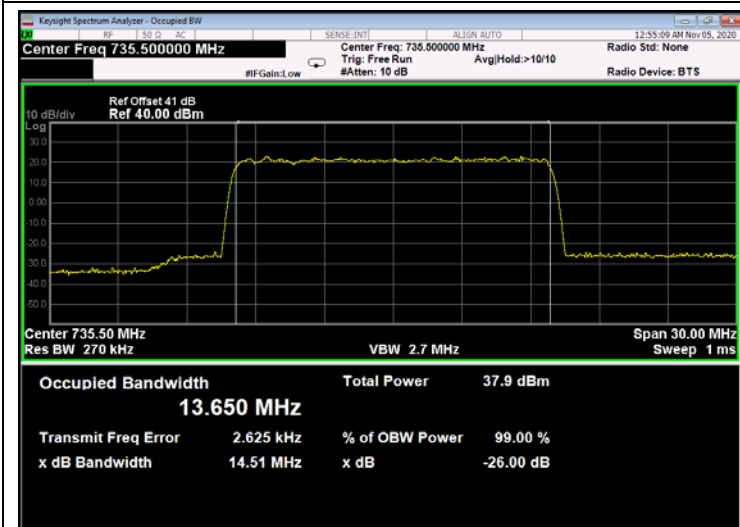


Figure 387: QPSK 15MHz B.W.; 735.5MHz, 30kHz - Output

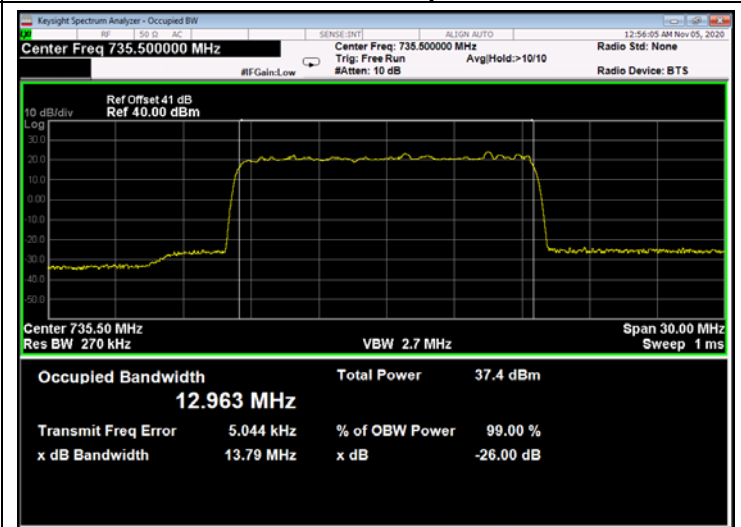


Figure 388: QPSK 15MHz B.W.; 735.5MHz, 60kHz - Output

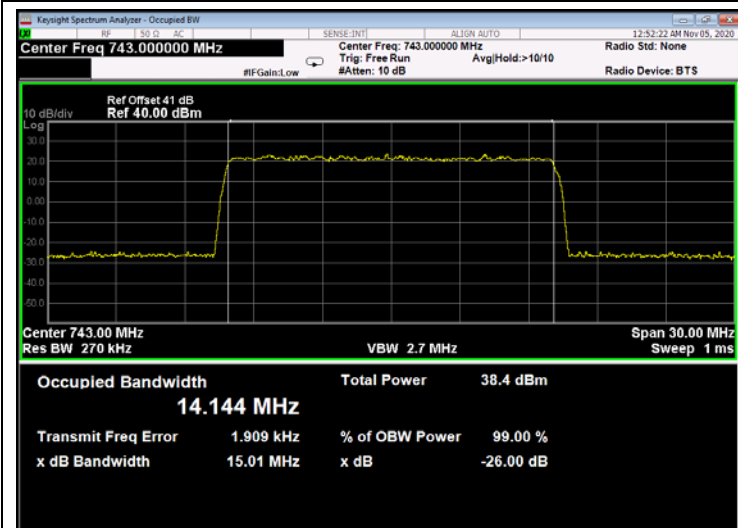


Figure 389: QPSK 15MHz B.W.; 743.0MHz, 15kHz - Output

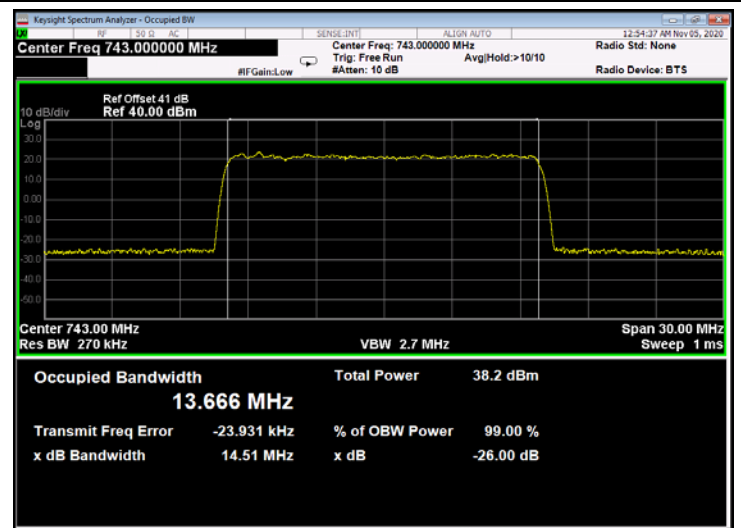


Figure 390: QPSK 15MHz B.W.; 743.0MHz, 30kHz - Output

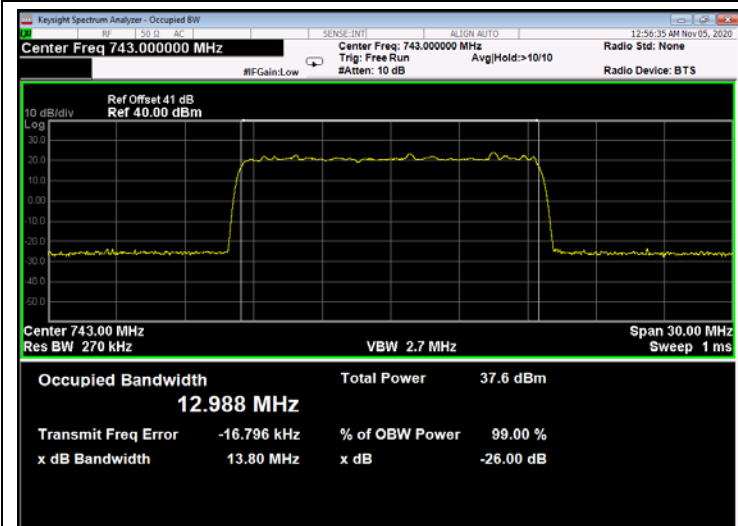


Figure 391: QPSK 15MHz B.W.; 743.0MHz, 60kHz - Output

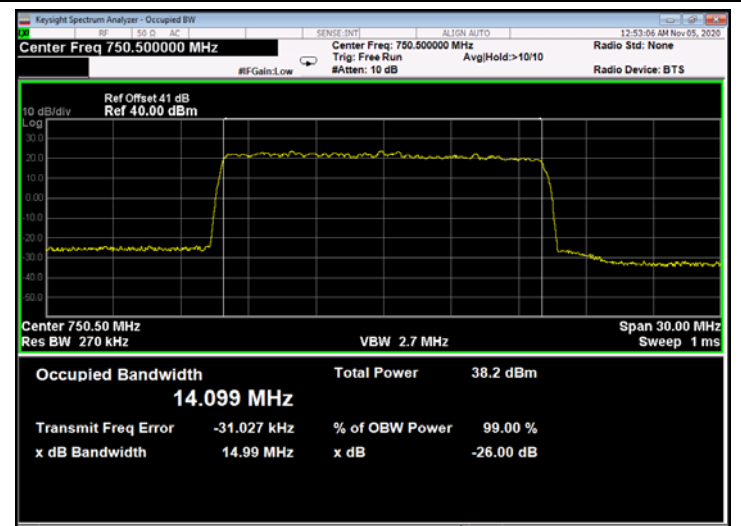


Figure 392: QPSK 15MHz B.W.; 750.5MHz, 15kHz - Output

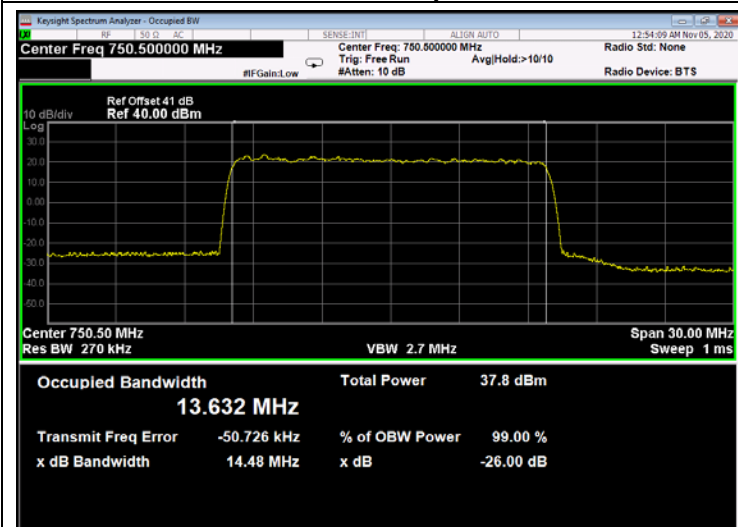


Figure 393: QPSK 15MHz B.W.; 750.5MHz, 30kHz - Output

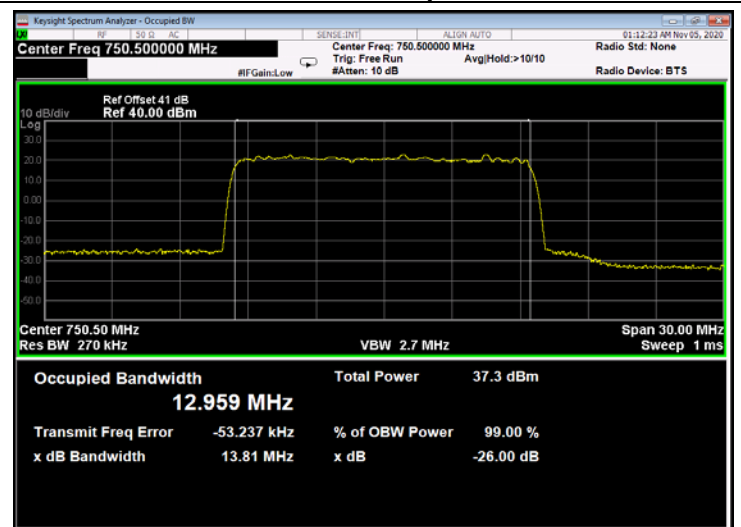


Figure 394: QPSK 15MHz B.W.; 750.5MHz, 60kHz - Output



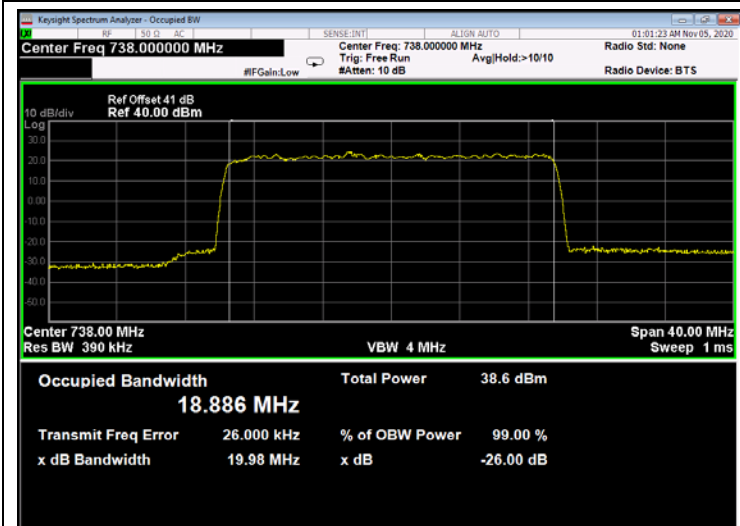


Figure 395: QPSK 20MHz B.W.; 738.0MHz, 15kHz - Output

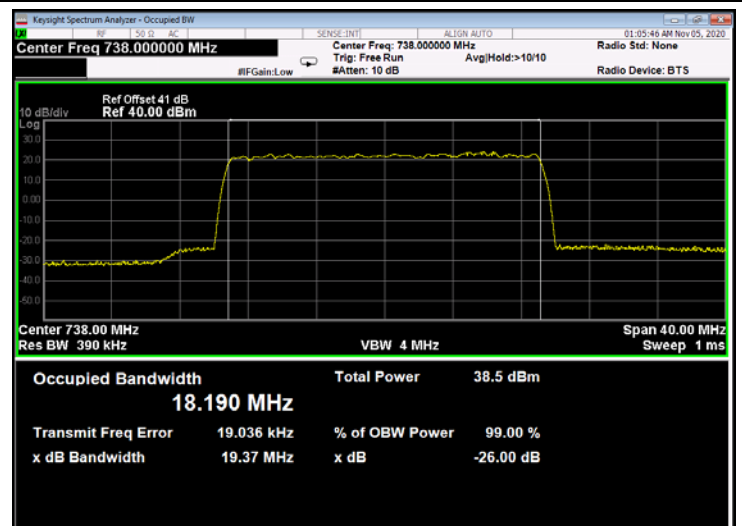


Figure 396: QPSK 20MHz B.W.; 738.05MHz, 30kHz - Output

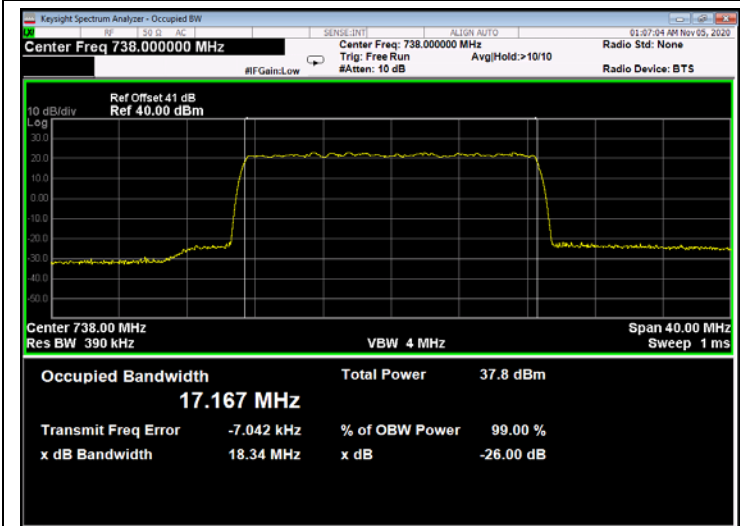


Figure 397: QPSK 20MHz B.W.; 738.0MHz, 60kHz - Output

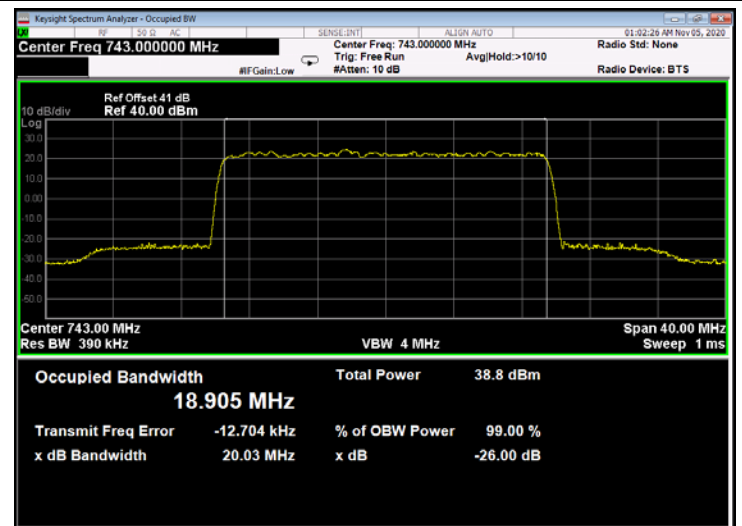


Figure 398: QPSK 20MHz B.W.; 743.0MHz, 15kHz - Output

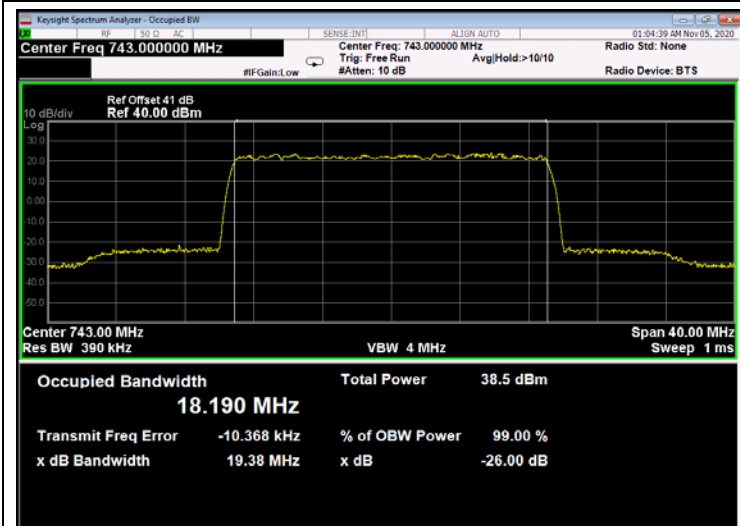


Figure 399: QPSK 20MHz B.W.; 743.0MHz, 30kHz - Output

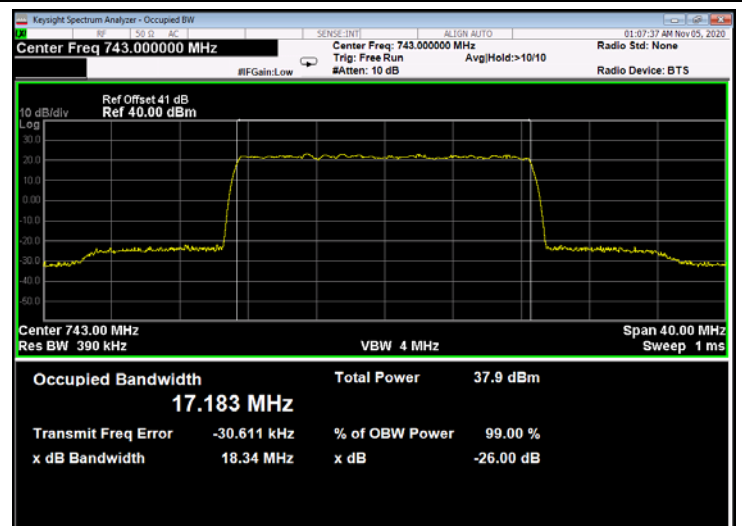


Figure 400: QPSK 20MHz B.W.; 743.0MHz, 60kHz - Output

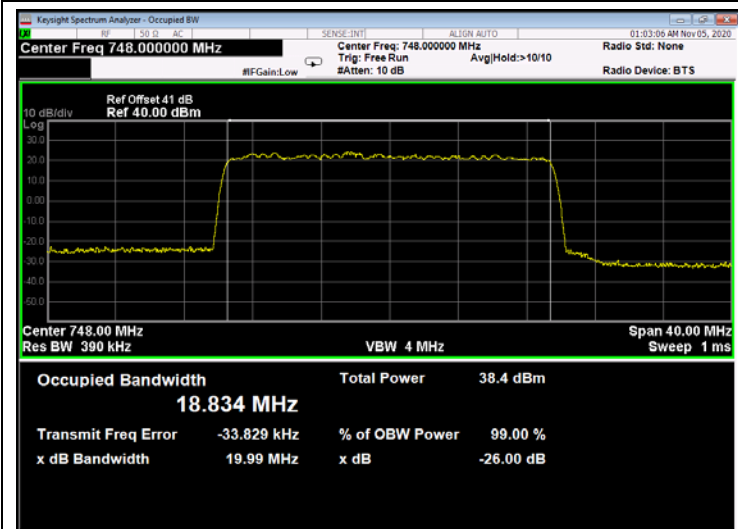


Figure 401: QPSK 20MHz B.W.; 748.0MHz, 15kHz - Output

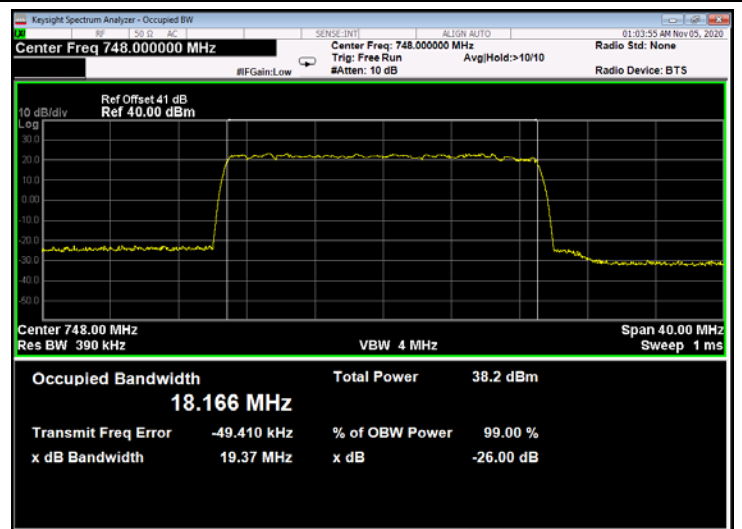


Figure 402: QPSK 20MHz B.W.; 748.0MHz, 30kHz - Output

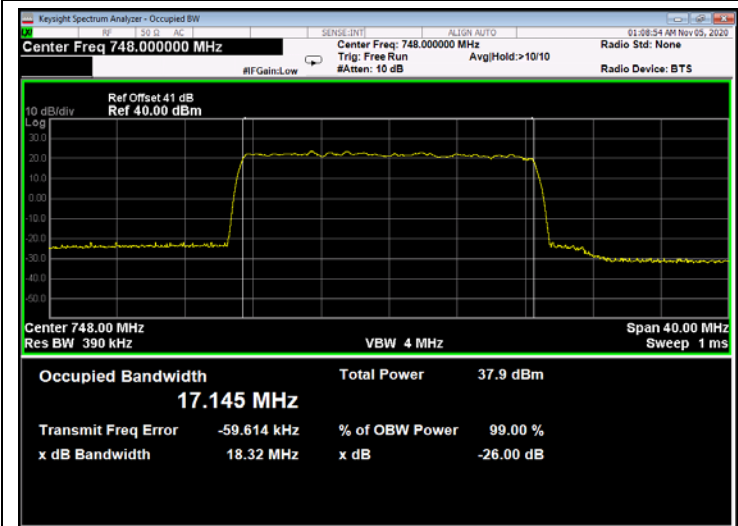


Figure 403: QPSK 20MHz B.W.; 748.0MHz, 60kHz - Output



**5.5 Test Equipment Used; Occupied Bandwidth**

Instrument	Manufacturer	Model	Serial Number	Calibration	
				Last Calibration Date	Next Calibration Due
EXA signal Analyzer	Agilent Technologies	N9010A	MY52220686	November 28, 2018	November 28, 2020
Vector Signal Generator	R&S	SMBV100B	1423.1003K02-101470-XE	October 2, 2019	October 2, 2022
40 dB Attenuator	Weinschel	WA 39-40-33	A1323	July 7, 2020	July 31, 2021
RF Cable	Huber Suner	Sucofelex	27504/4PEA	August 23, 2020	August 31, 2021

**Table 14 Test Equipment Used**



## 6 Spurious Emissions at Antenna Terminals

### 6.1 Test Specification

FCC Part 27, Subpart C, Sections 27.53(a)(1)

### 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-10.0GHz.

### 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, yielding -13dBm

### 6.4 Test Results

JUDGEMENT: Passed

See additional information in Figure 404 to Figure 535.



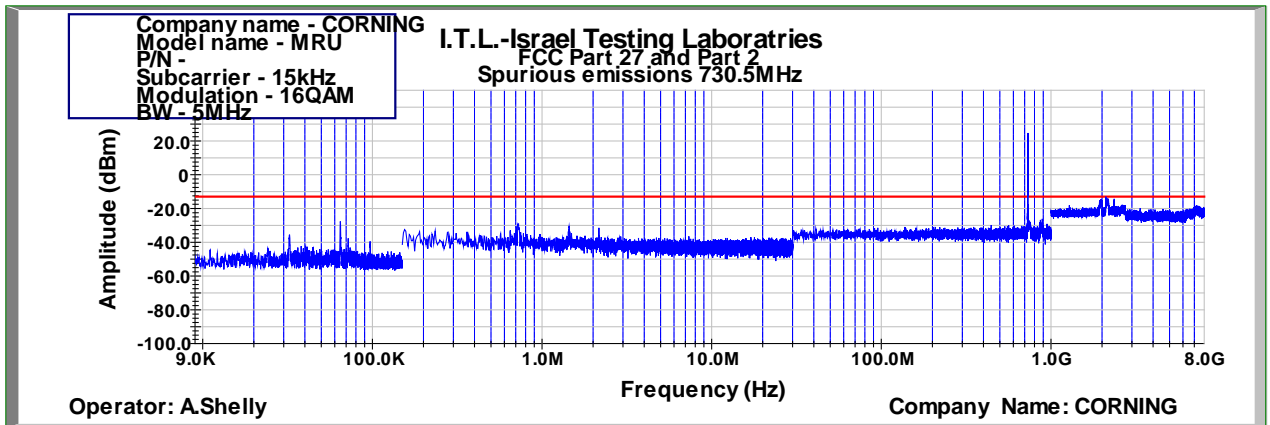


Figure 404: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 730.5MHz, 15kHz

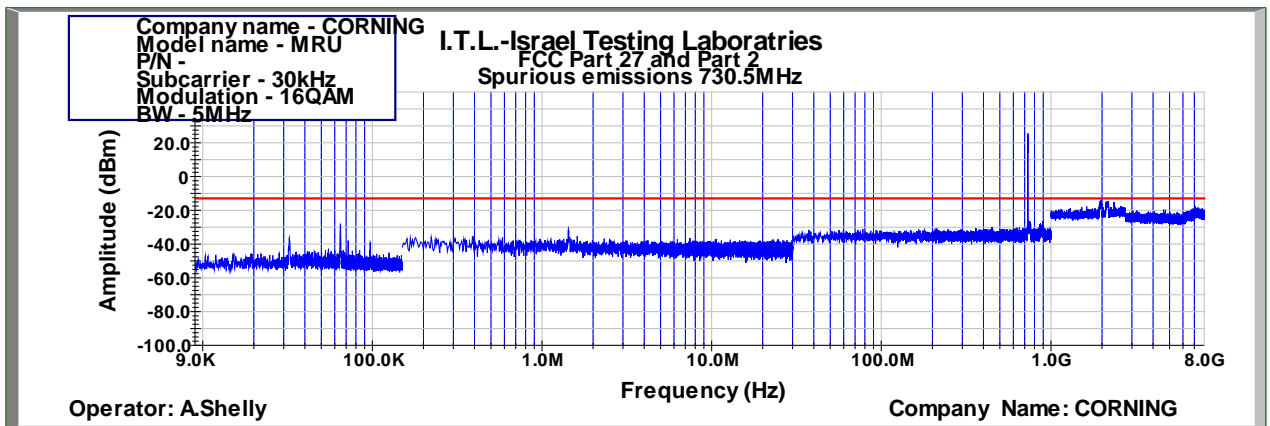


Figure 405: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 730.5MHz, 30kHz

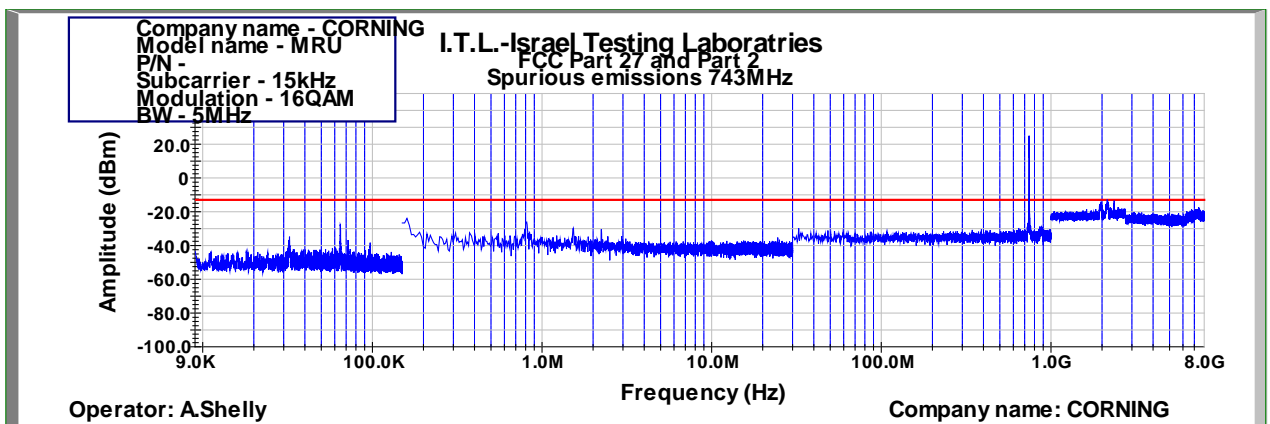


Figure 406: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 743.0MHz, 15kHz

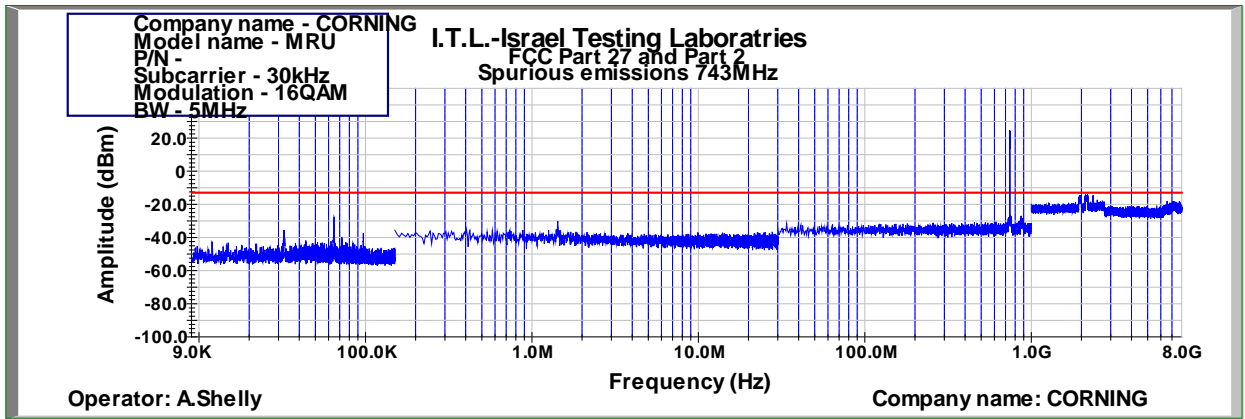


Figure 407: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 743.0MHz, 30kHz

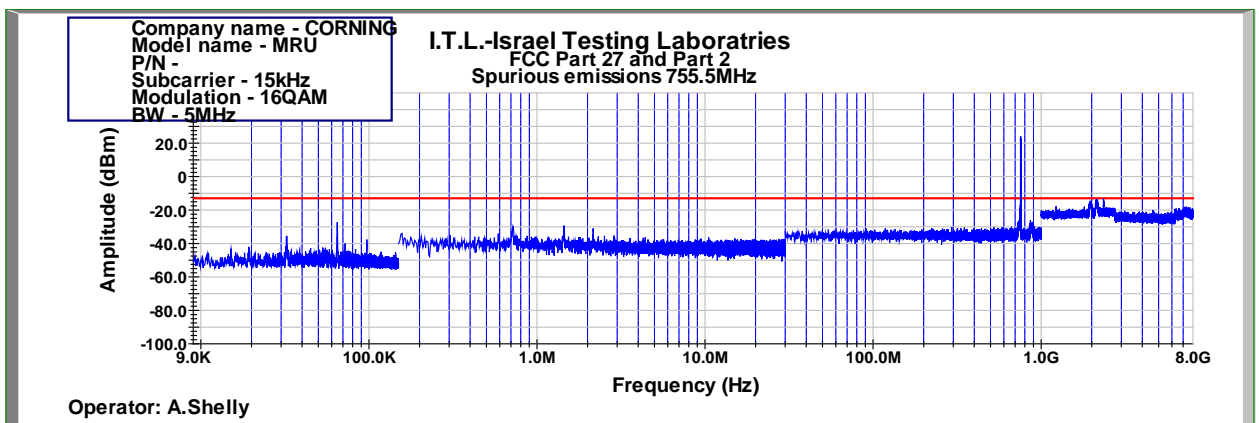


Figure 408: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 755.5MHz, 15kHz

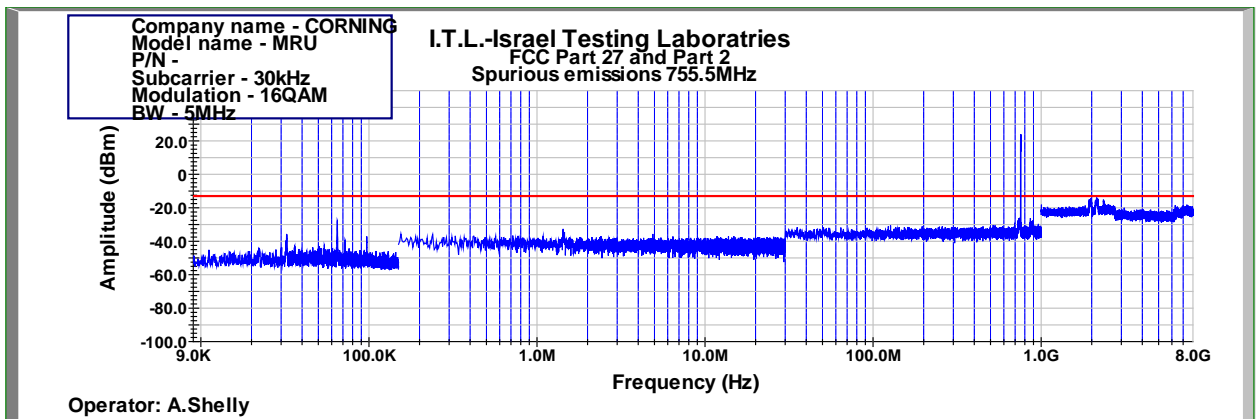


Figure 409: Spurious Emissions at Antenna Terminal 16QAM 5MHz; 755.5MHz, 30kHz

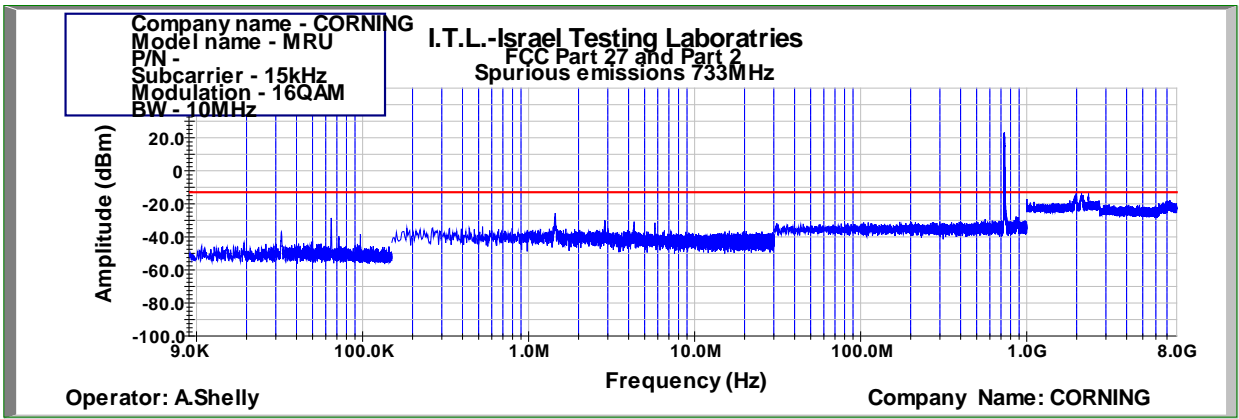


Figure 410: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 733.0MHz, 15kHz

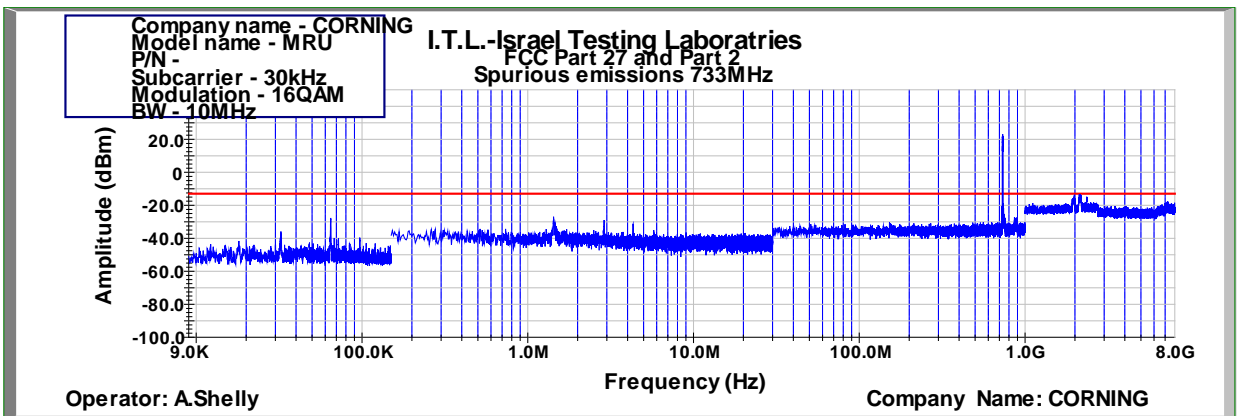


Figure 411: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 733.0MHz, 30kHz

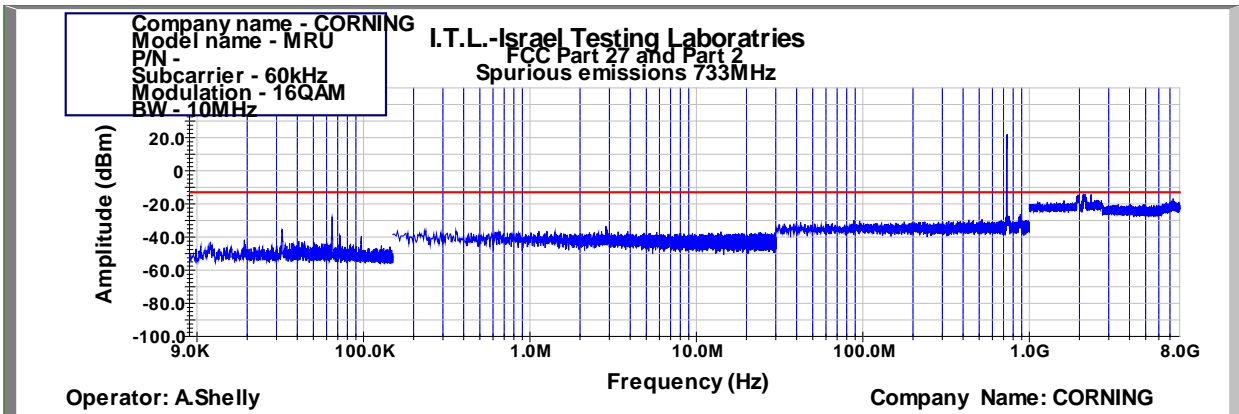


Figure 412: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 733.0MHz, 60kHz

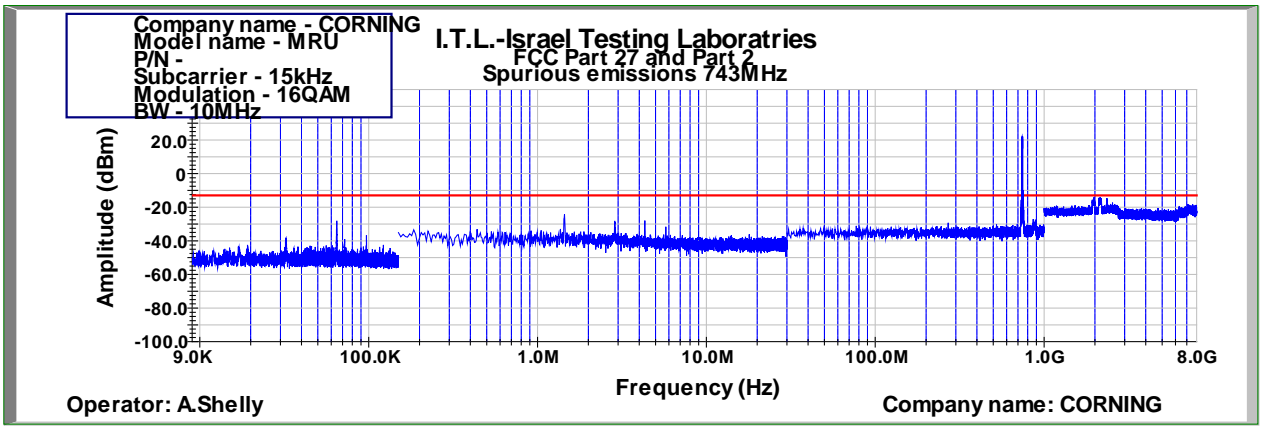


Figure 413: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 743.0MHz, 15kHz

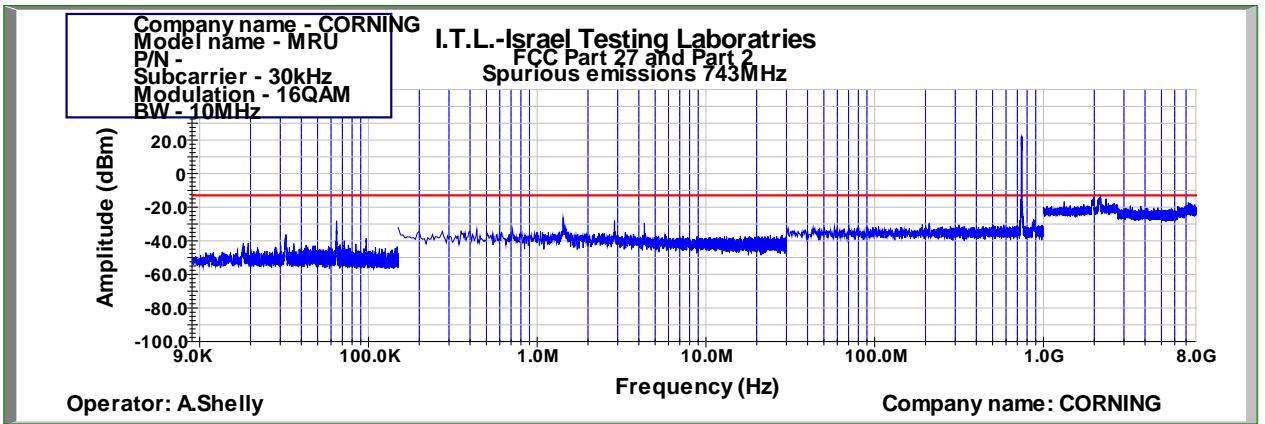


Figure 414: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 743.0MHz, 30kHz

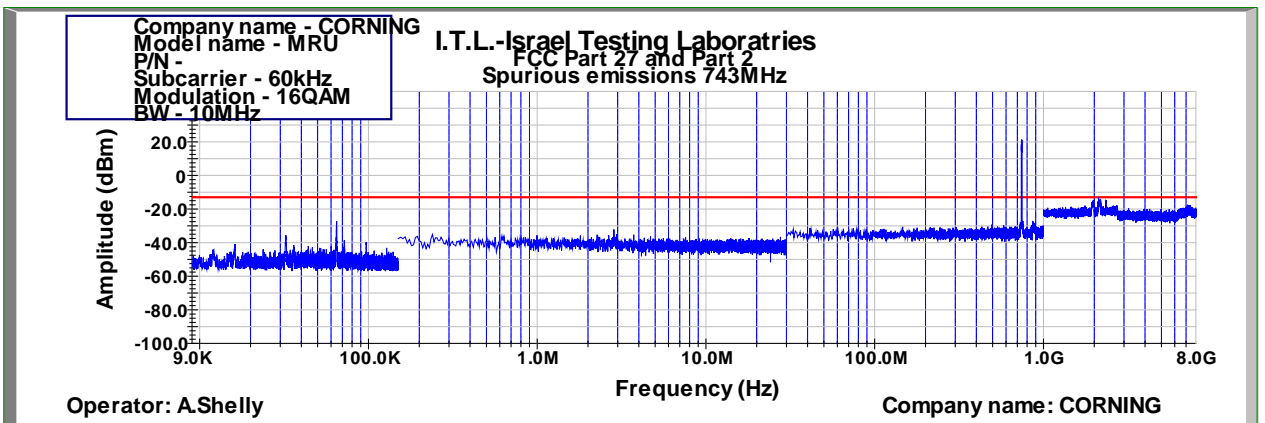


Figure 415: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 743.0MHz, 60kHz



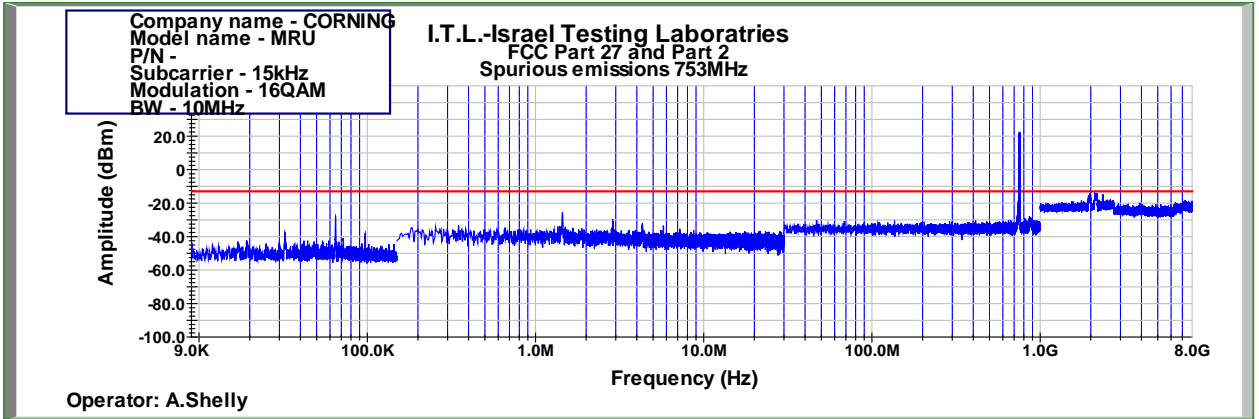


Figure 416: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 753.0MHz, 15kHz

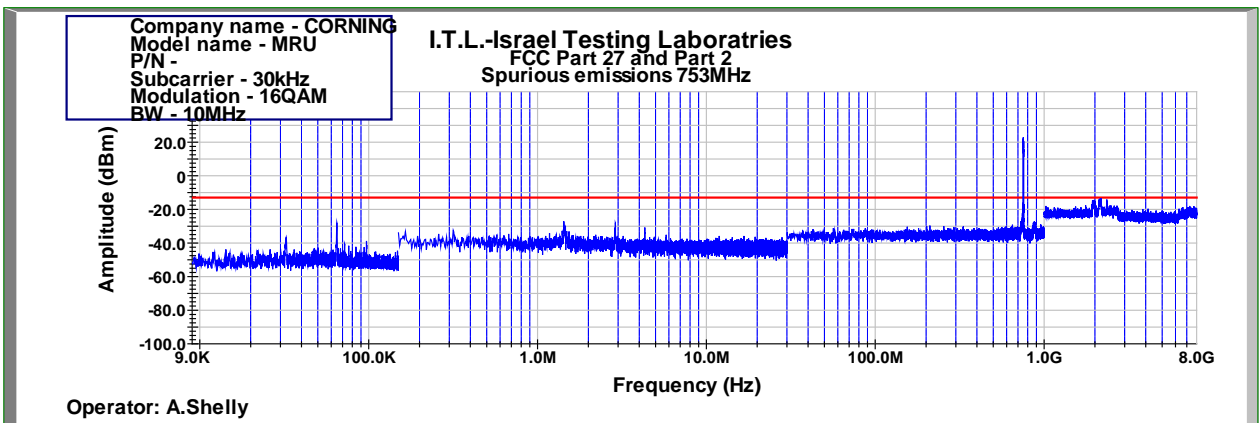


Figure 417: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 753.MHz, 30kHz

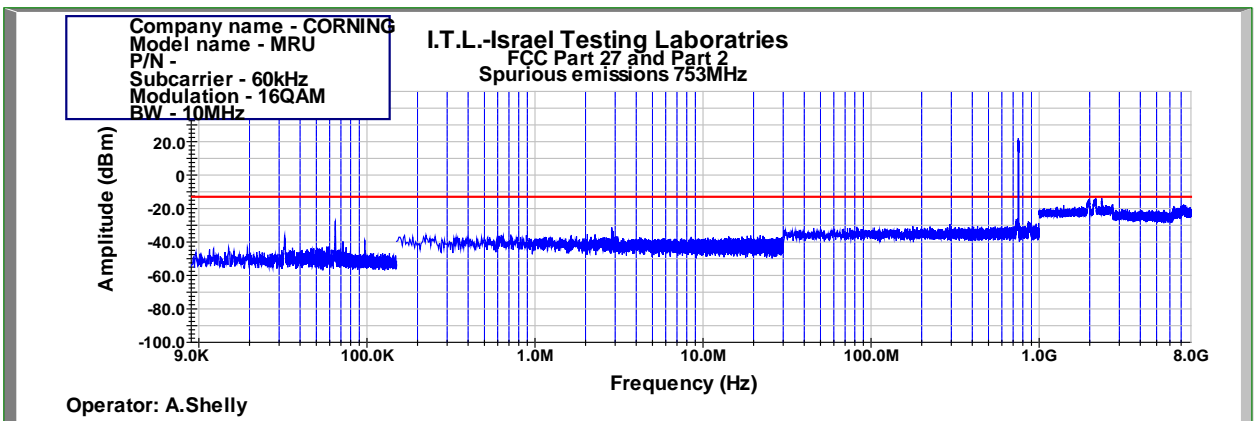


Figure 418: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 753.0MHz, 60kHz

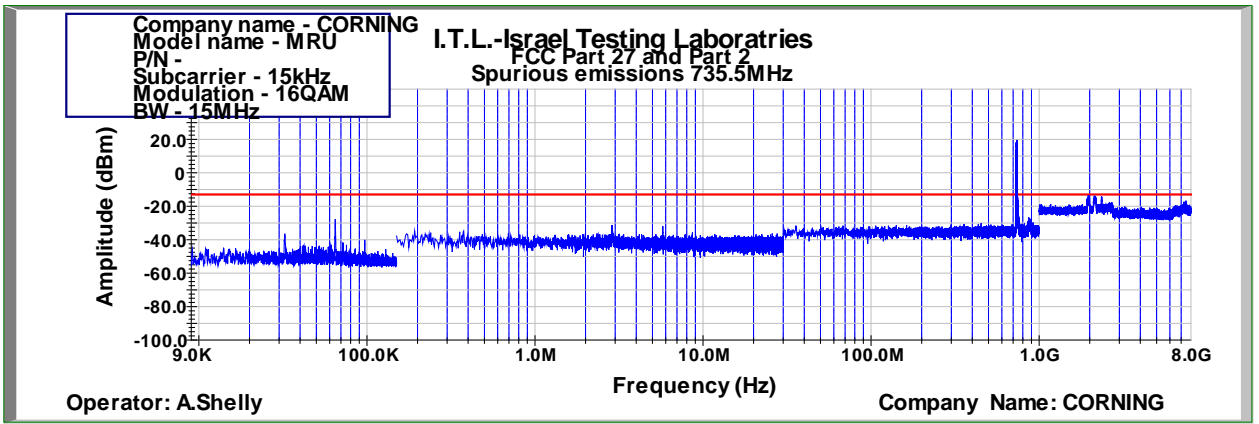


Figure 419: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 735.5MHz, 15kHz

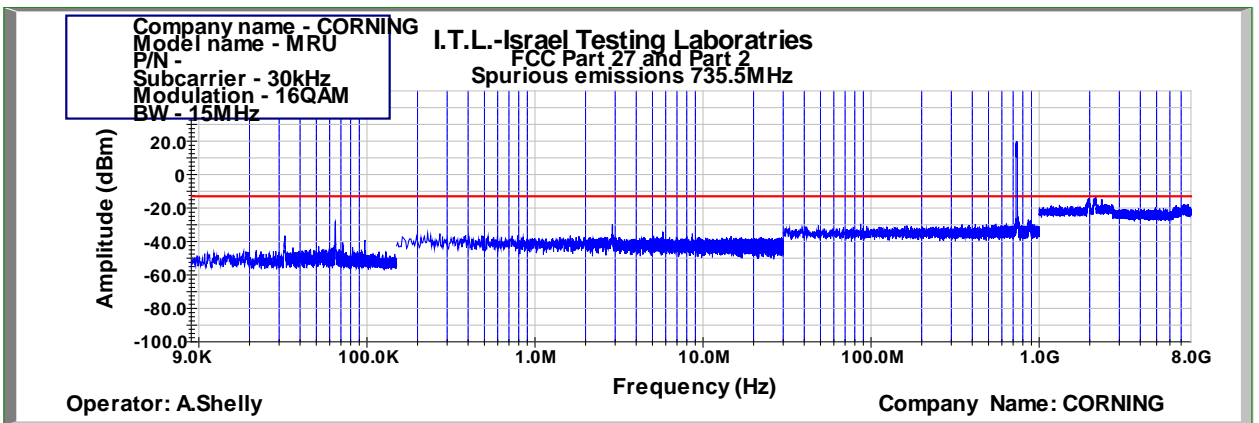


Figure 420: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 735.5MHz, 30kHz

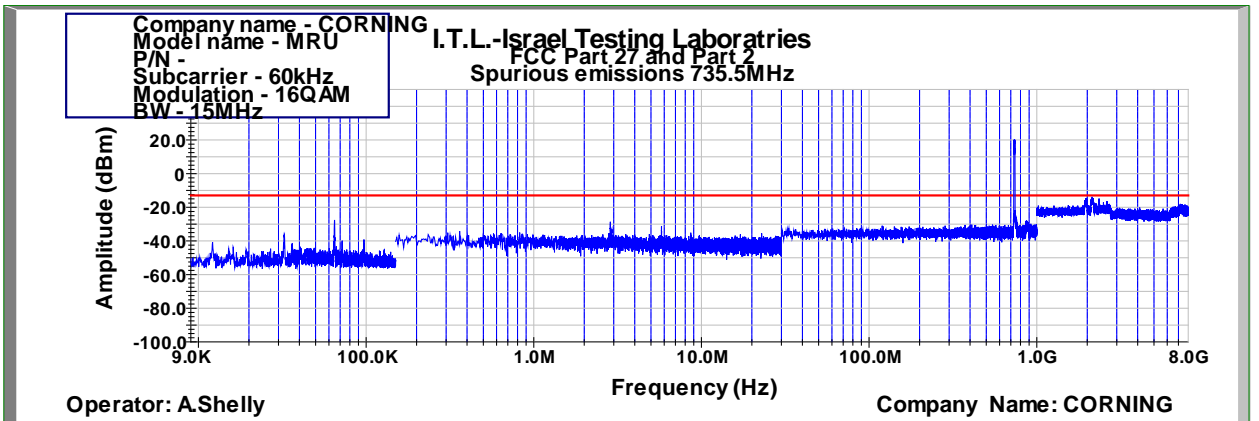


Figure 421: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 735.5MHz, 60kHz

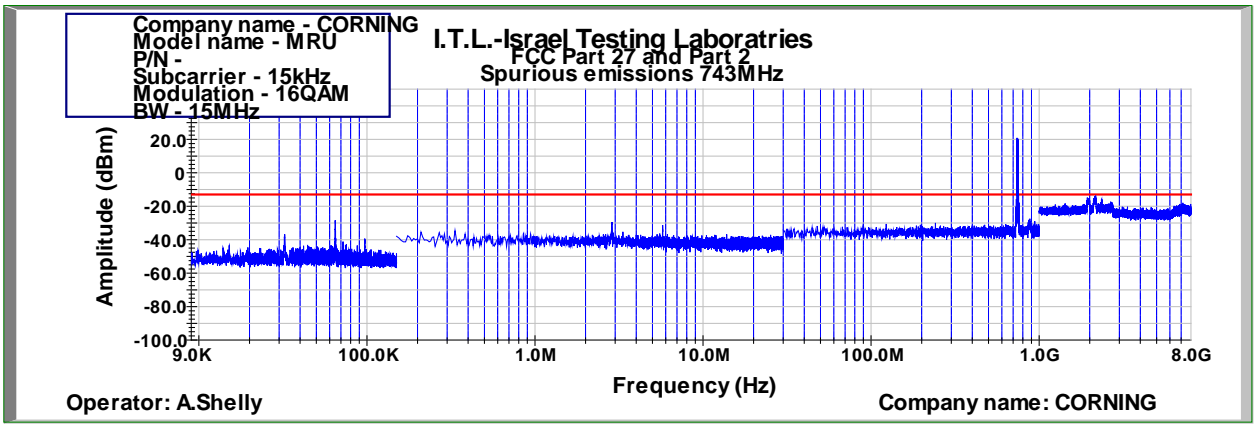


Figure 422: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 743.0MHz, 15kHz

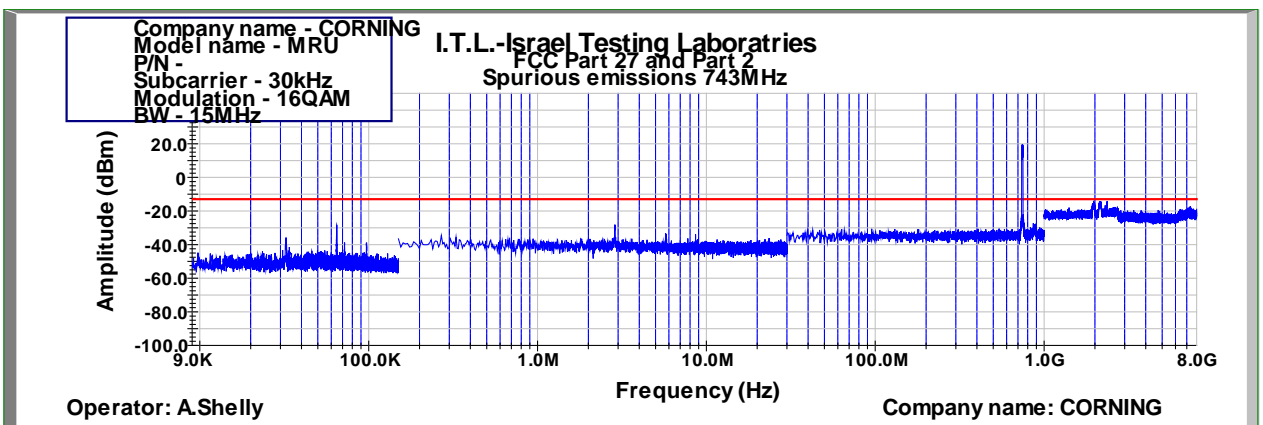


Figure 423: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 743.0MHz, 30kHz

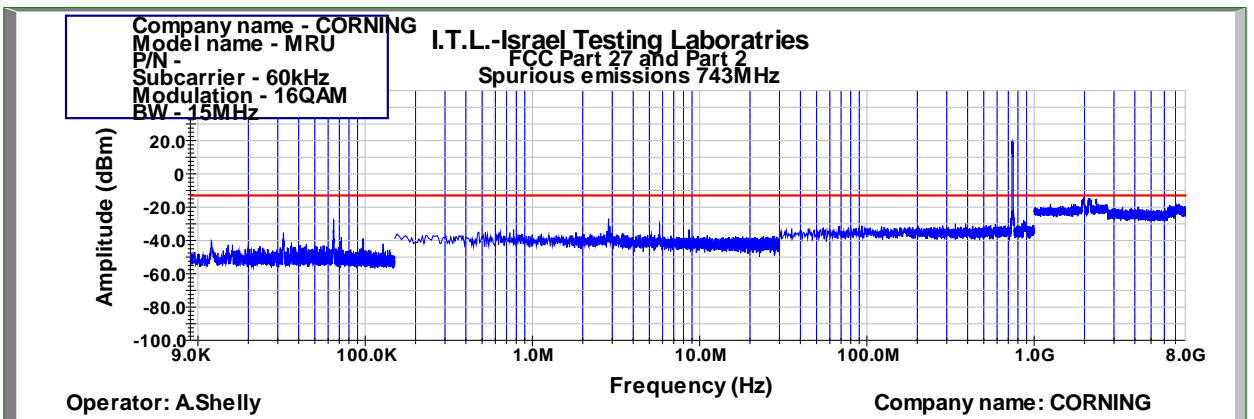


Figure 424: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 743.0MHz, 60kHz

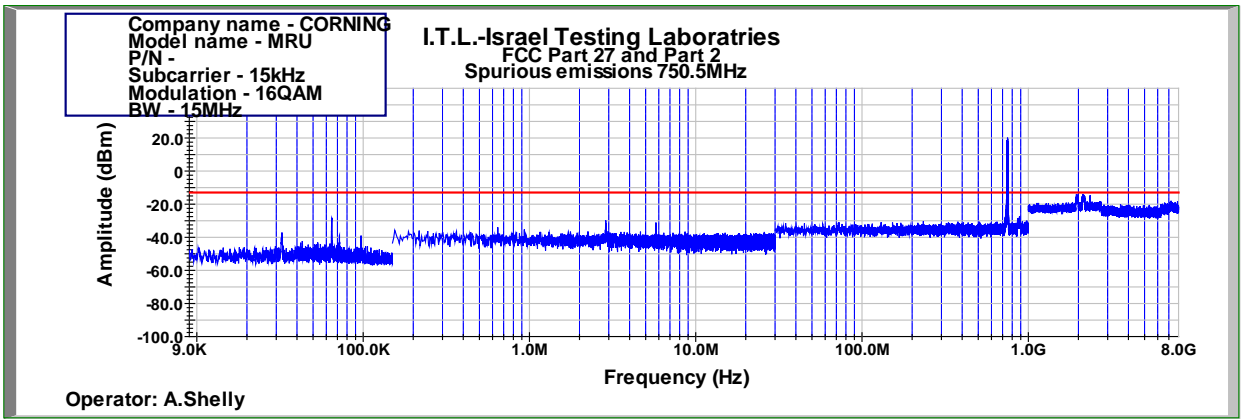


Figure 425: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 750.5MHz, 15kHz

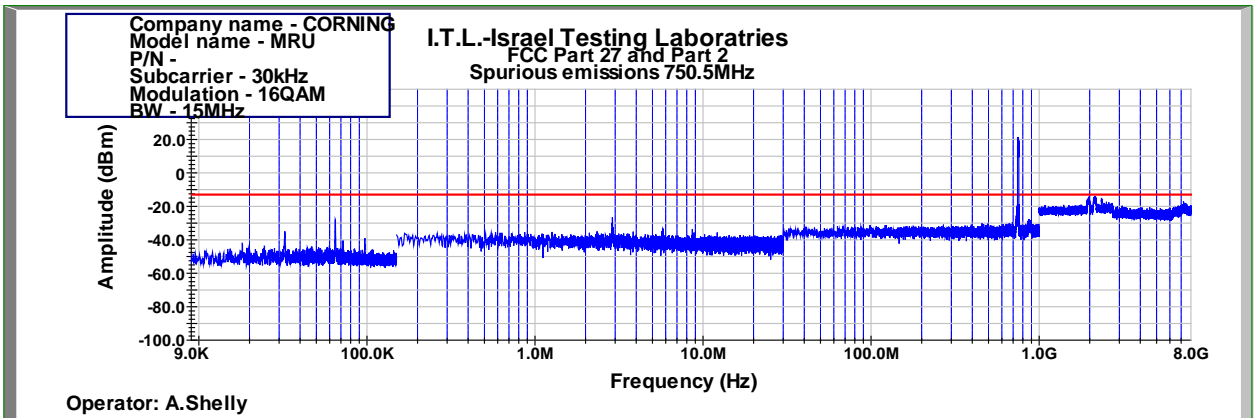


Figure 426: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 750.5MHz, 30kHz

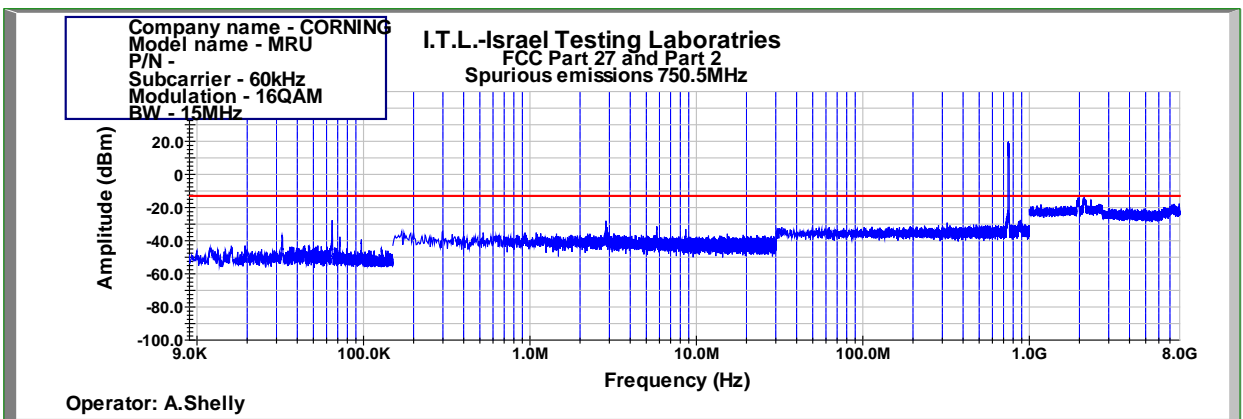


Figure 427: Spurious Emissions at Antenna Terminal 16QAM 15MHz B.W.; 750.5MHz, 60kHz



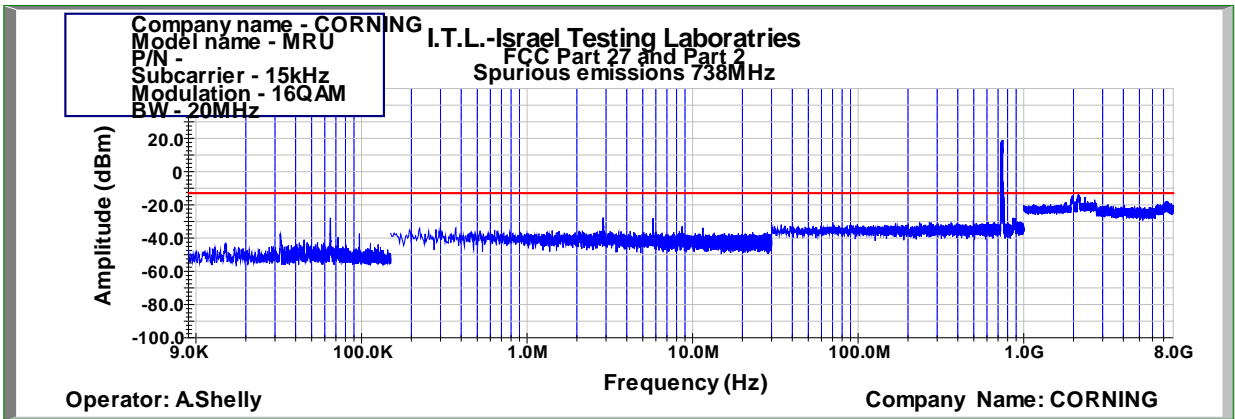


Figure 428: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 738.0MHz, 15kHz

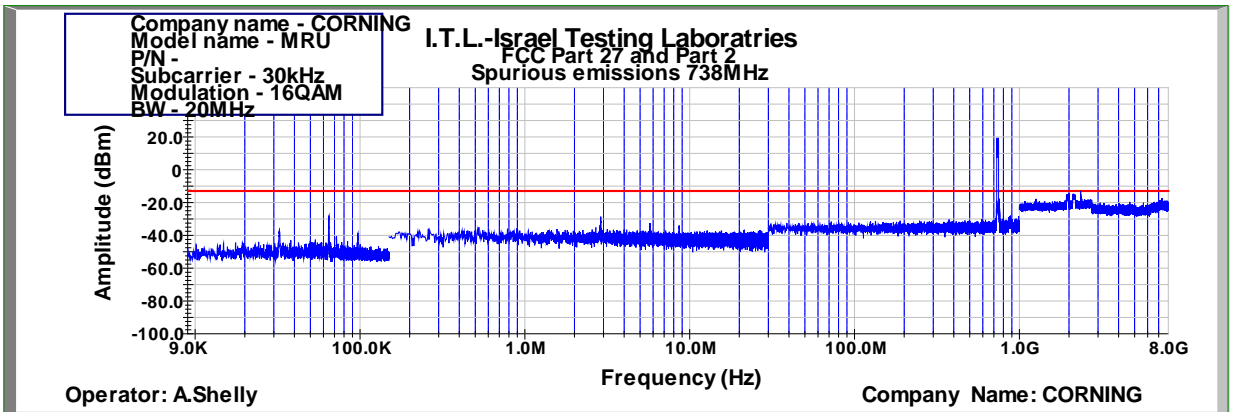


Figure 429: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 738.0MHz, 30kHz

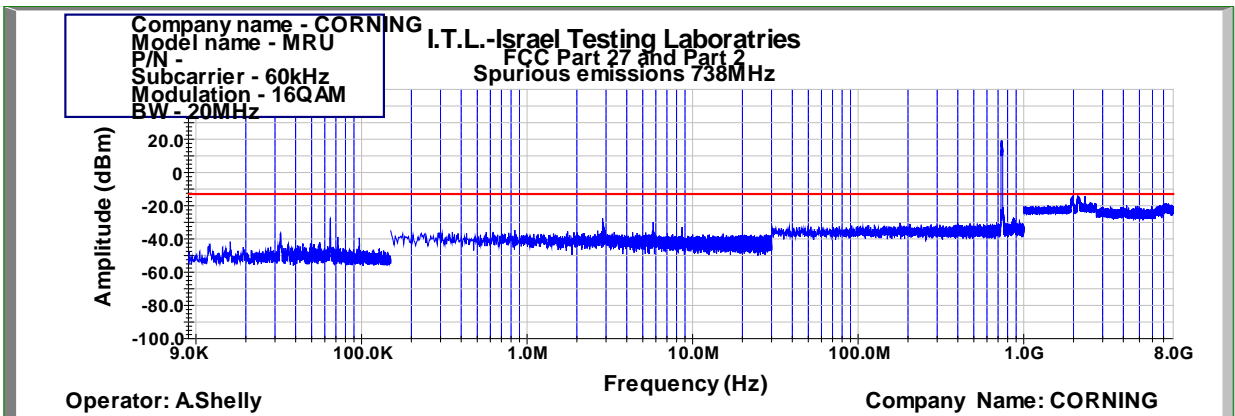


Figure 430: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 738.0MHz, 60kHz

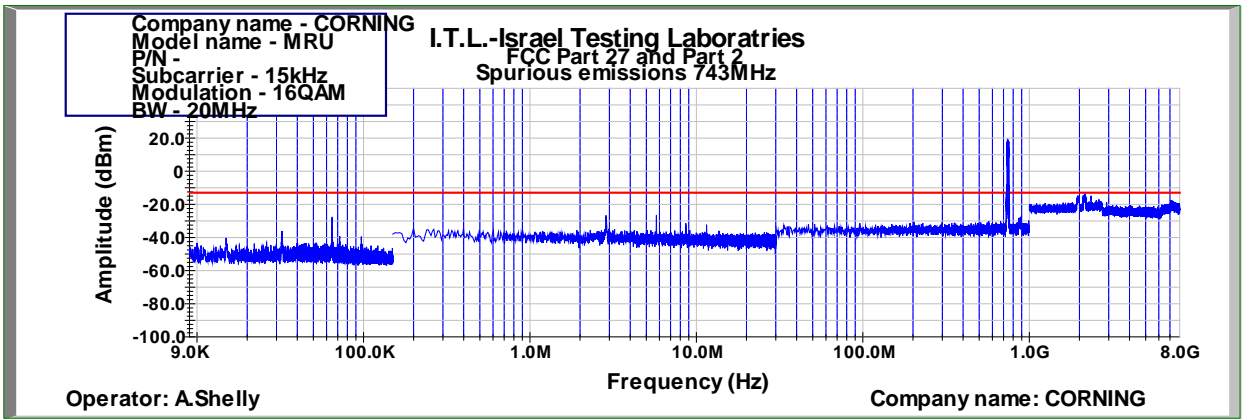


Figure 431: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 743.0MHz, 15kHz

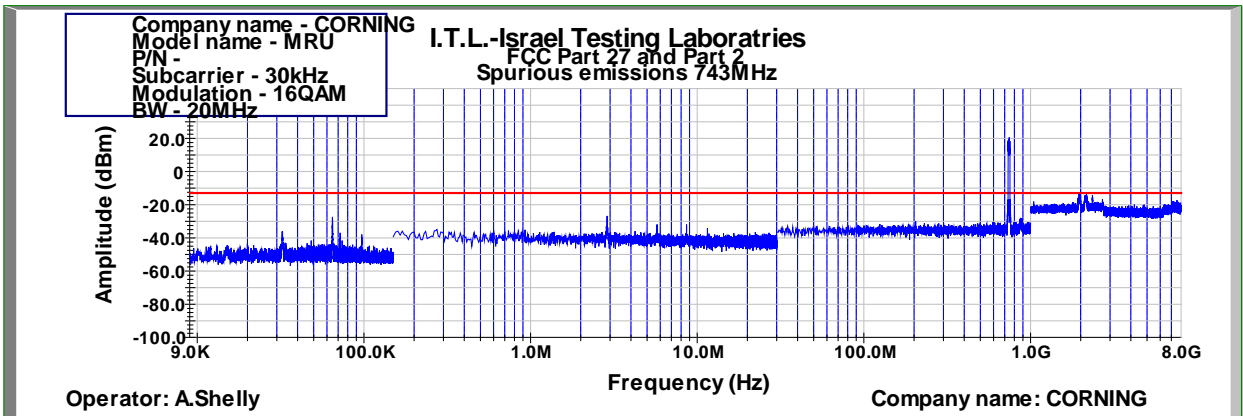


Figure 432: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 743.0MHz, 30kHz

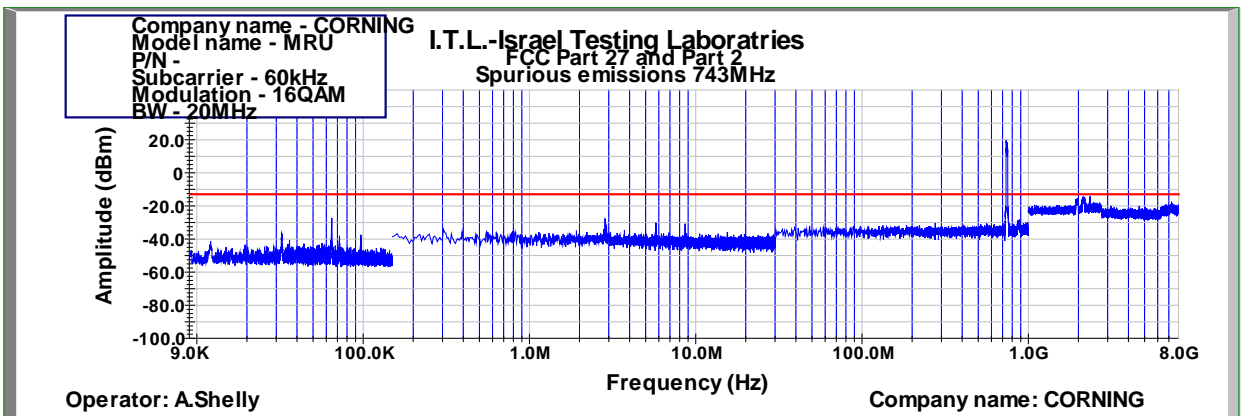


Figure 433: Spurious Emissions at Antenna Terminal 16QAM 20MHz B.W.; 743.0MHz, 60kHz