

## 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 34.0 dB).

The evaluation was performed in the frequency band from 9.0kHz-24.0GHz 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 (2345-2360 MHz) must be attenuated below the transmitting power (P) by a factor of at least as specified in this section.

Frequency Band (MHz)	Calculated Factor (dBe)
f<2285.0	$75+10*\log(0.1)=65.0$
2285.0MHz<f<2287.5MHz	$72+10*\log(0.1)=62.0$
2287.5MHz<f<2300.0MHz	$70+10*\log(0.1)=60.0$
2300.0MHz<f<2305.0MHz	$43+10*\log(0.1)=33.0$
2305.0MHz<f<2320.0MHz	$43+10*\log(0.1)=33.0$
2320.0MHz<f<2345.0MHz	$75+10*\log(0.1)=65.0$
2345.0MHz<f<2360.0MHz	$43+10*\log(0.1)=33.0$
2360.0MHz<f<2362.5MHz	$43+10*\log(0.1)=33.0$
2362.5MHz<f<2365.0MHz	$55+10*\log(0.1)=45.0$
2365.0MHz<f<2367.5MHz	$70+10*\log(0.1)=60.0$
2367.5MHz<f<2370.0MHz	$72+10*\log(0.1)=62.0$
2370.0<f	$75+10*\log(0.1)=65.0$

Figure 36 Mask Limit Table

### 6.4 Test Results

JUDGEMENT: Passed

See additional information in Figure 37 to Figure 108.

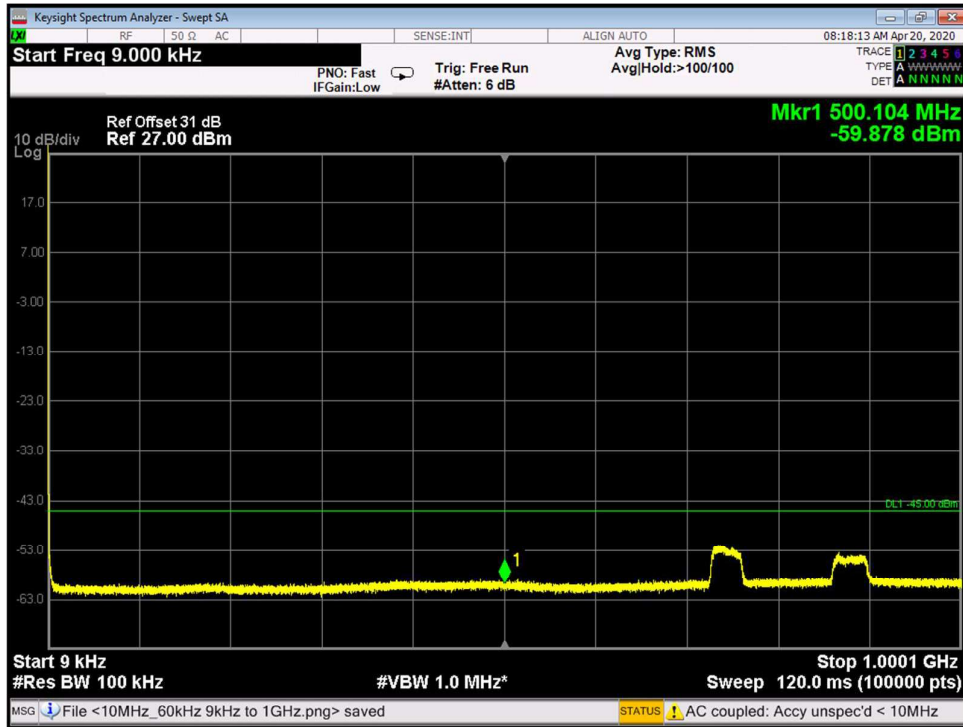


Figure 37: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

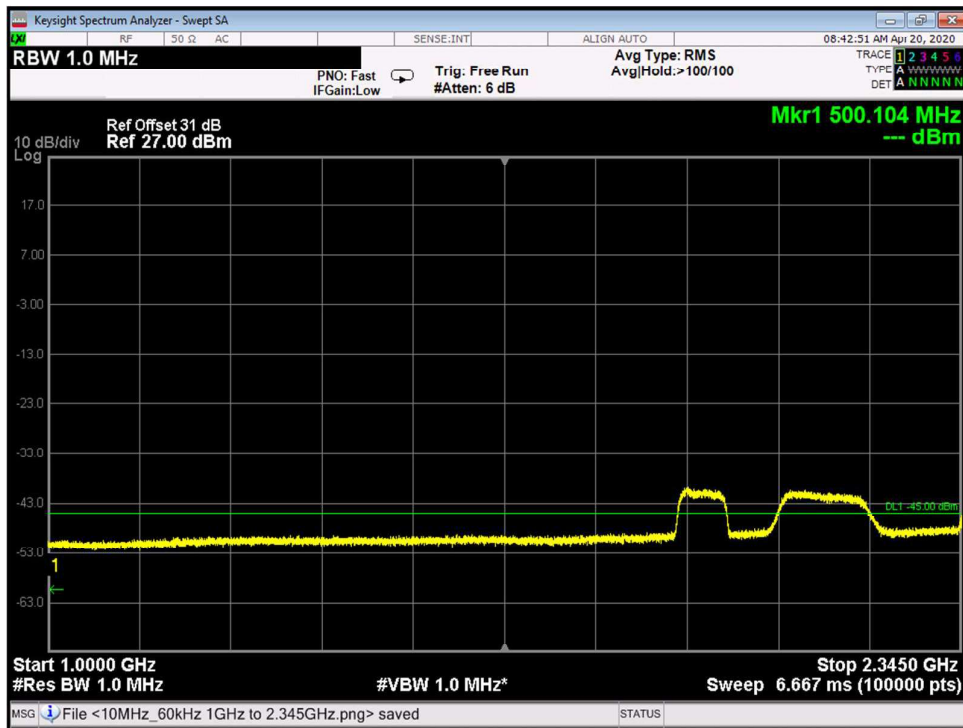


Figure 38: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

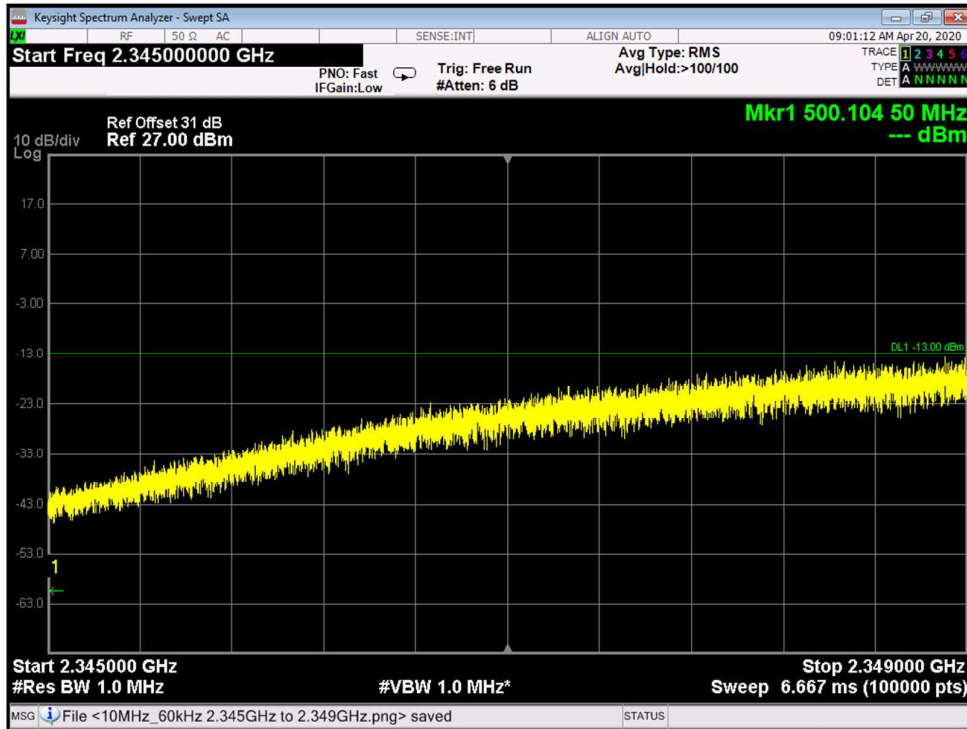


Figure 39: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz



Figure 40: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

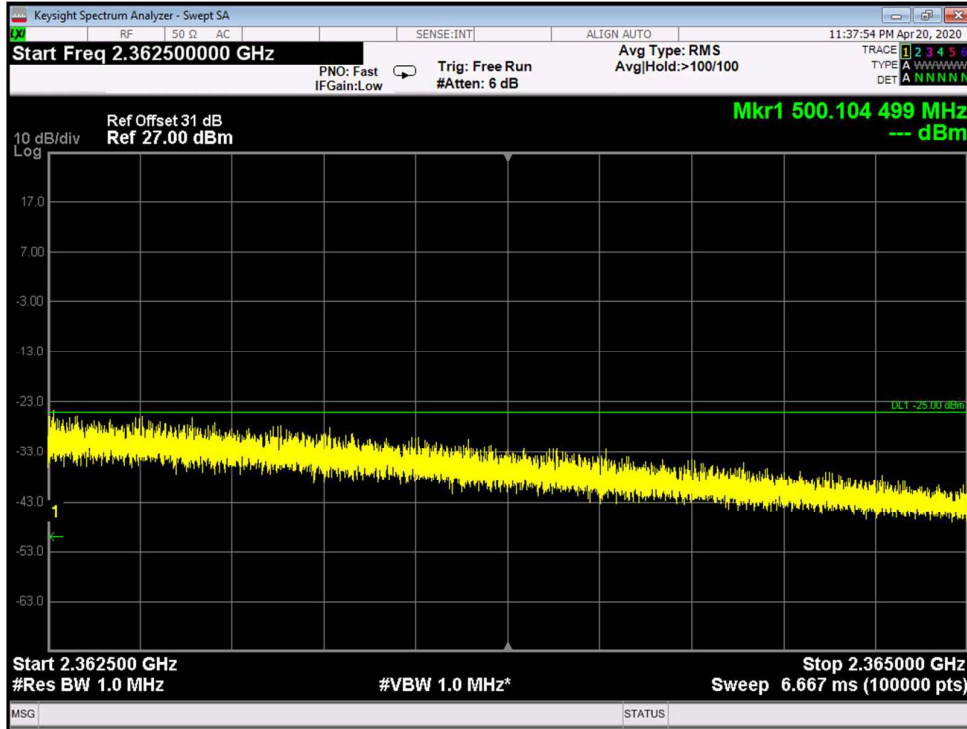


Figure 41: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

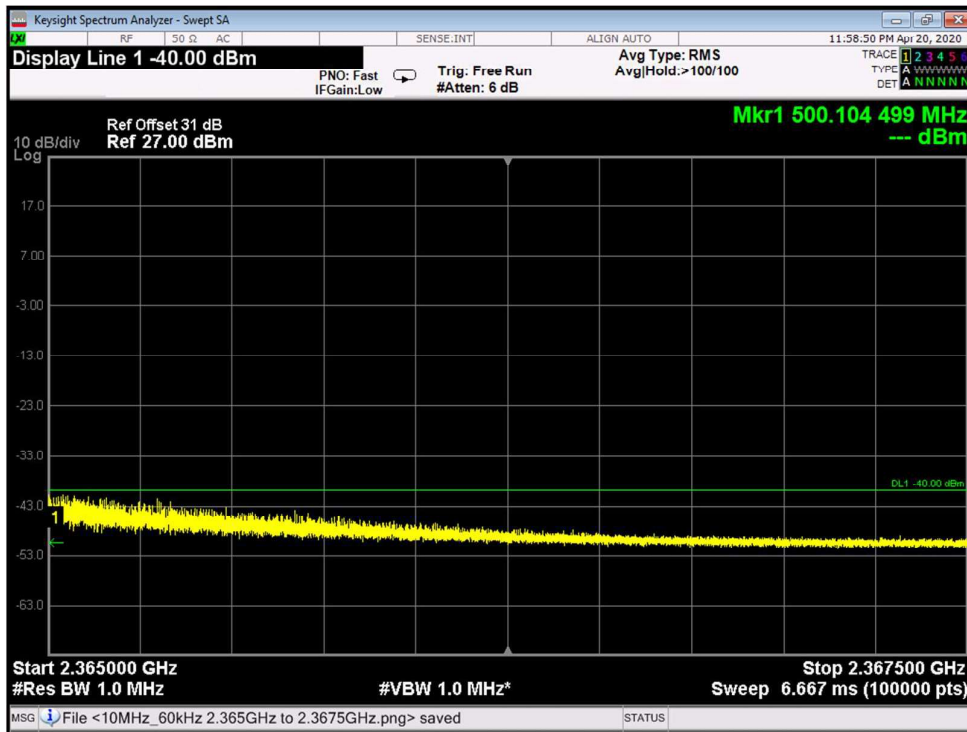


Figure 42: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

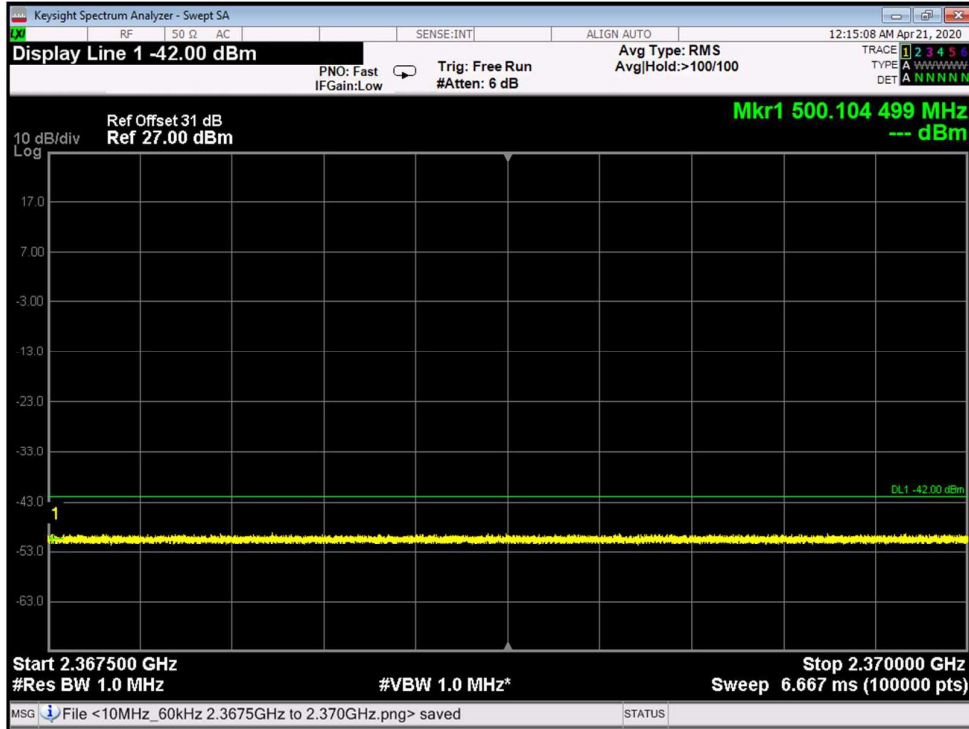


Figure 43: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

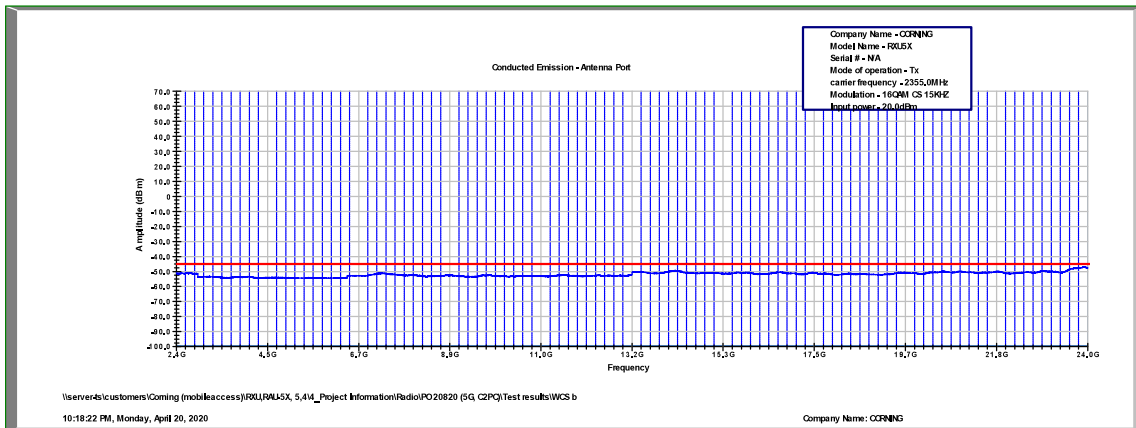


Figure 44: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

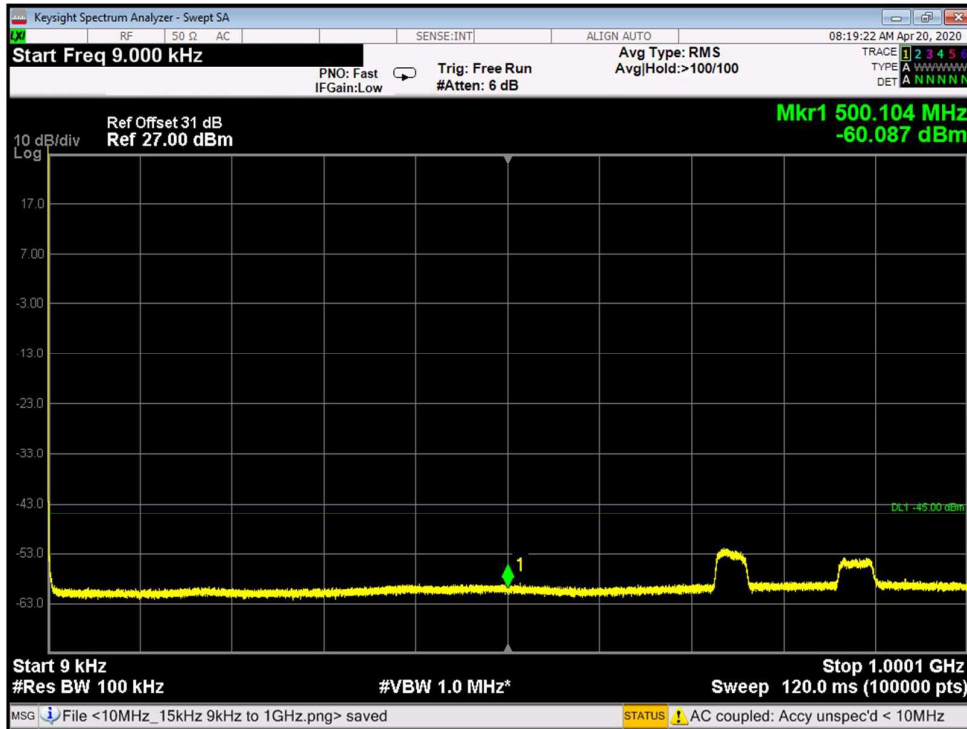


Figure 45: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

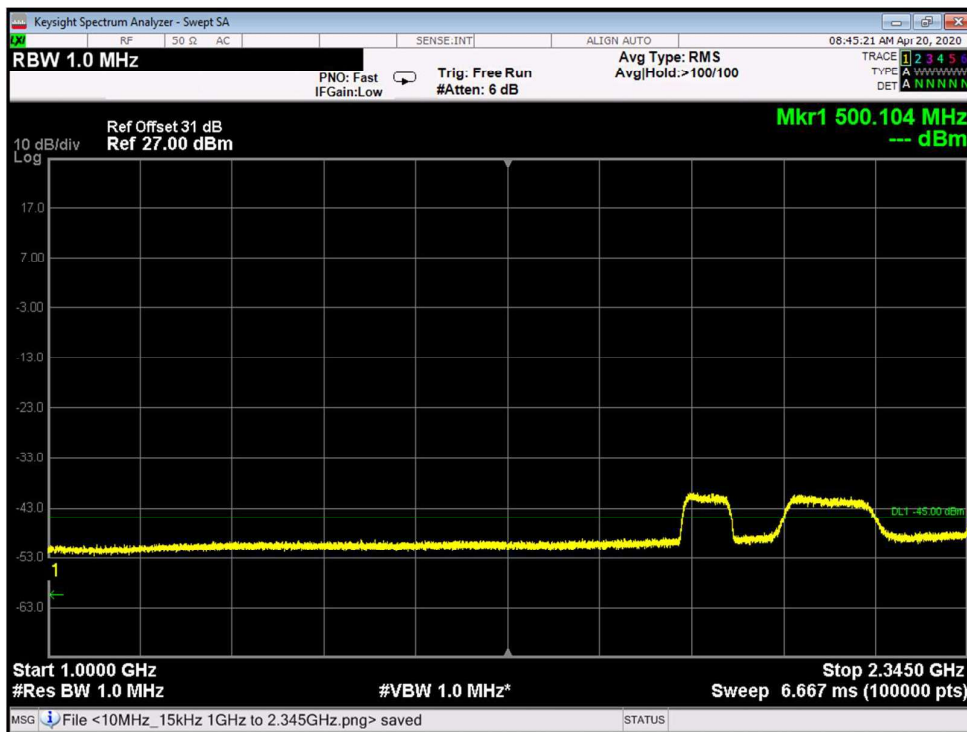


Figure 46: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

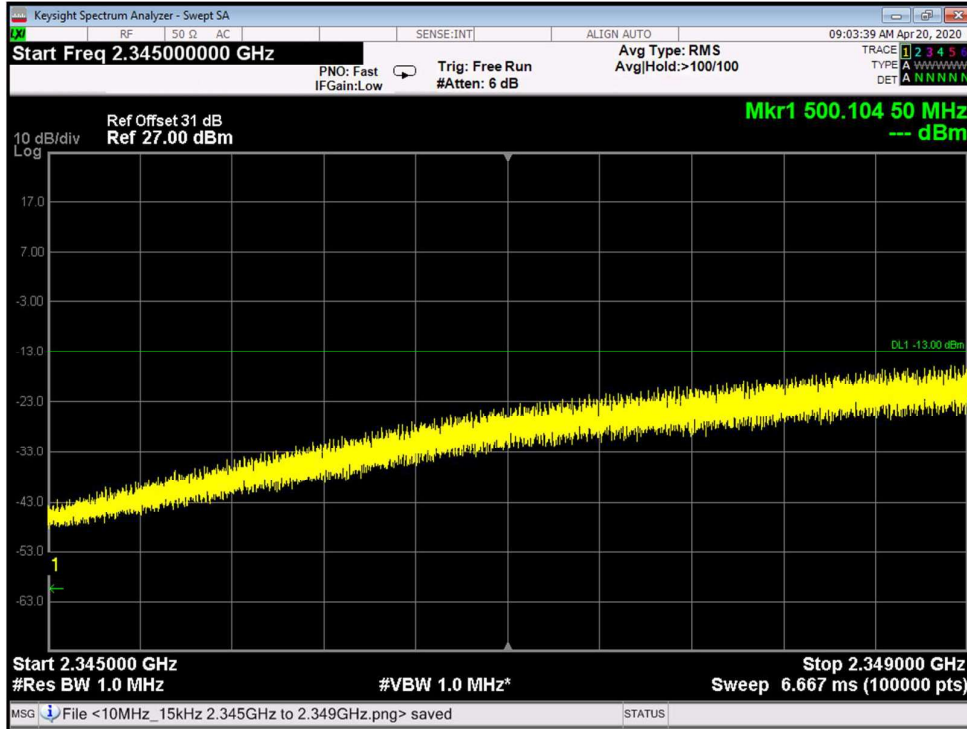


Figure 47: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

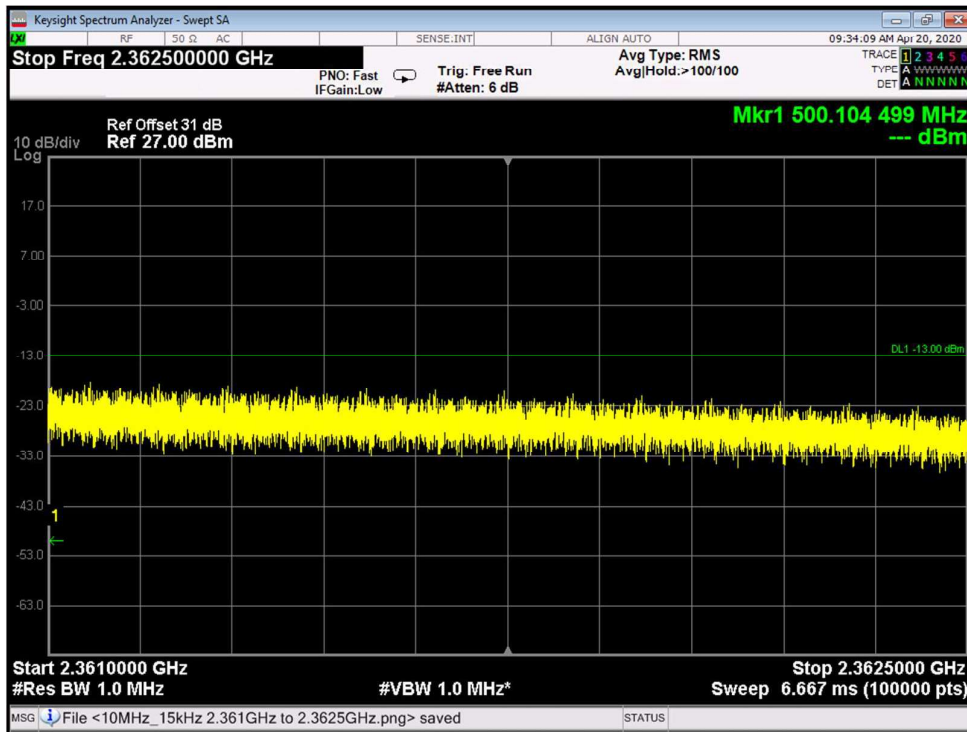


Figure 48: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

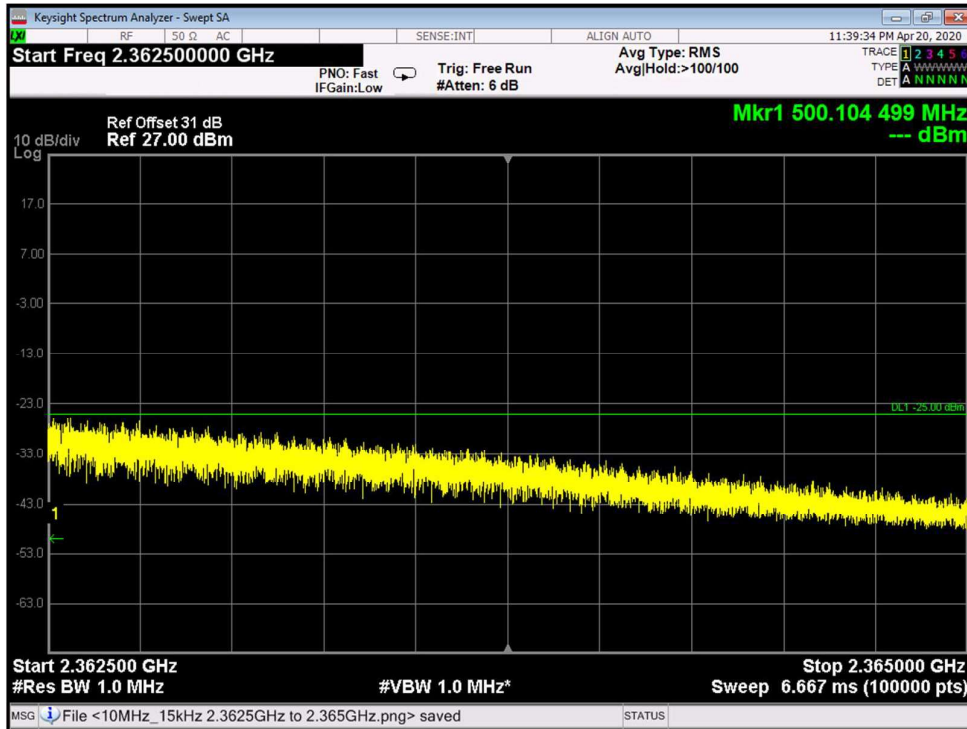


Figure 49: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

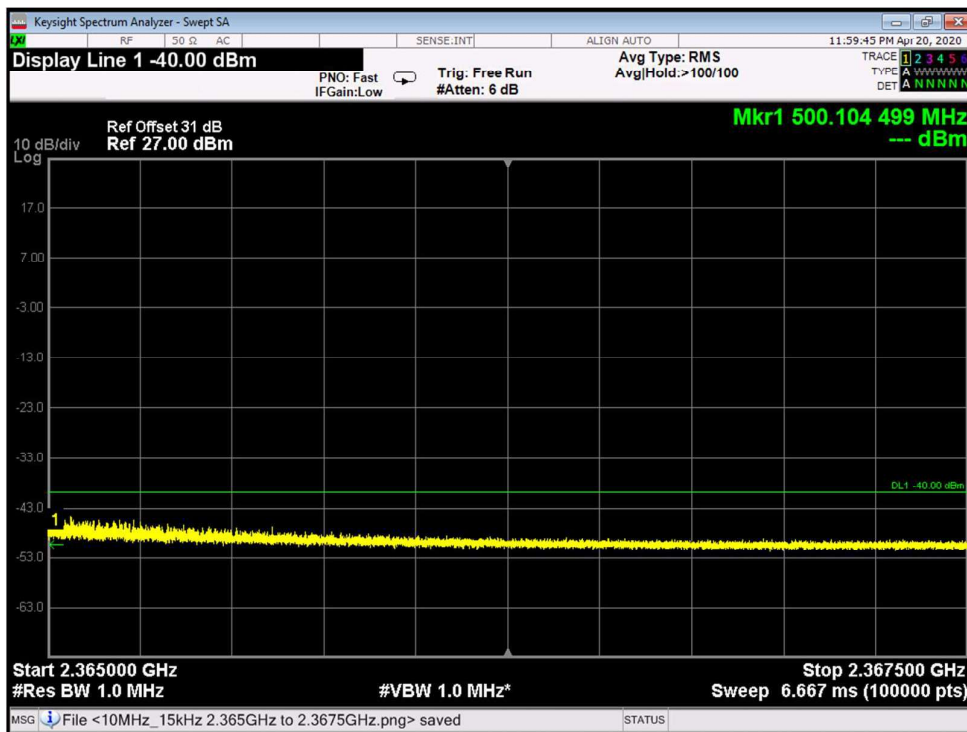


Figure 50: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz



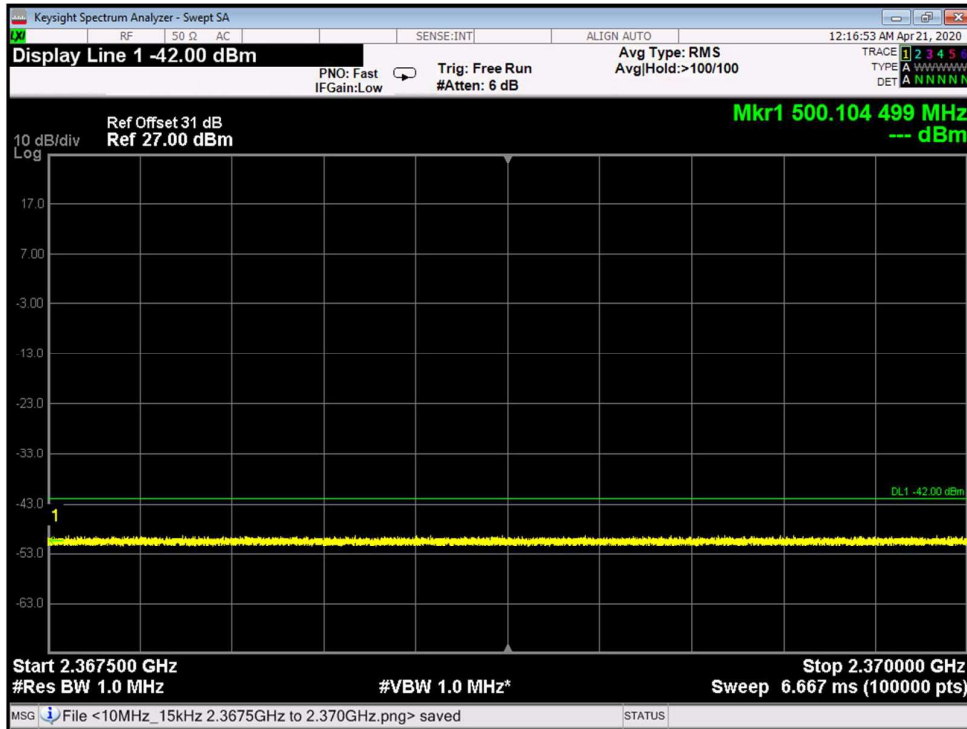


Figure 51: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

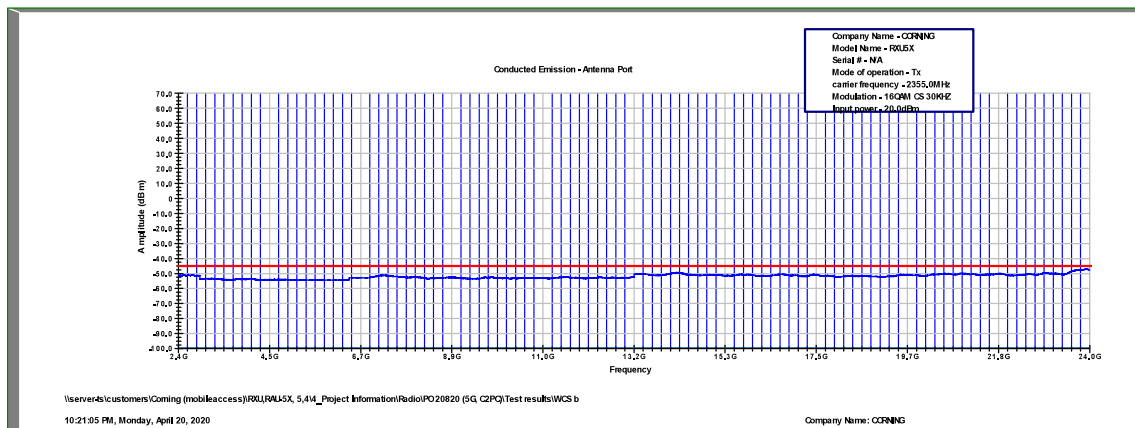


Figure 52: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

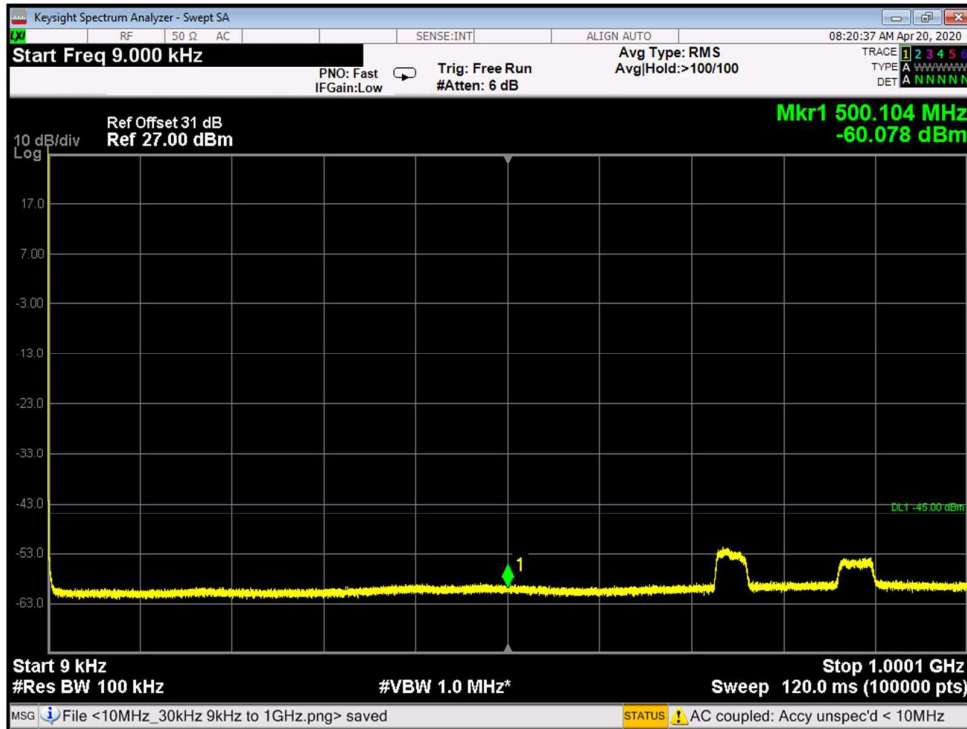


Figure 53: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

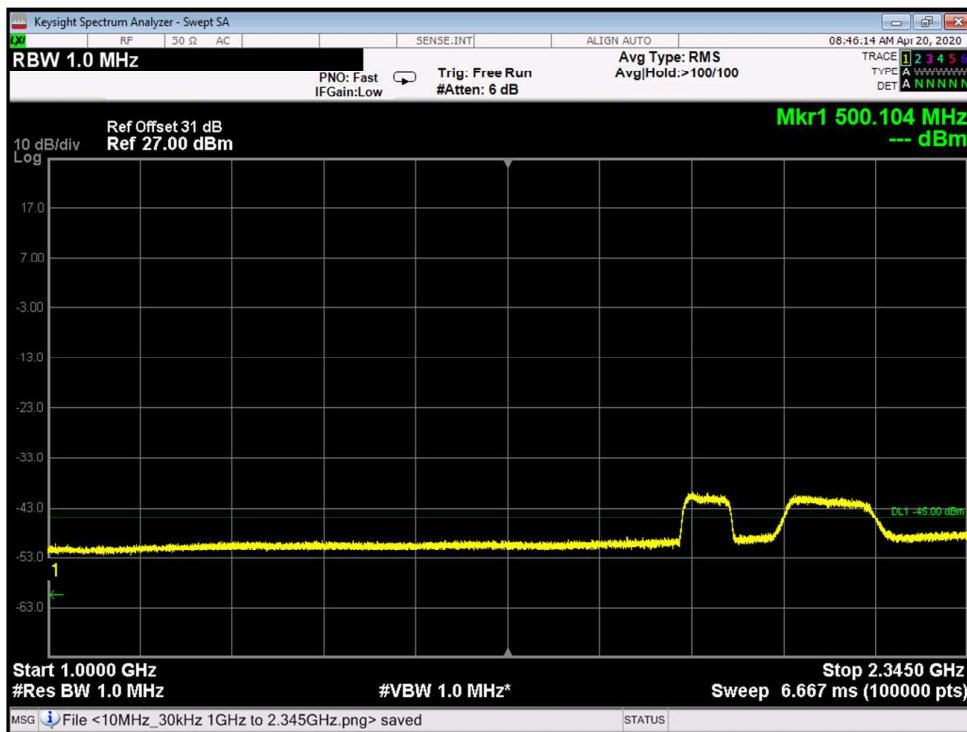


Figure 54: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

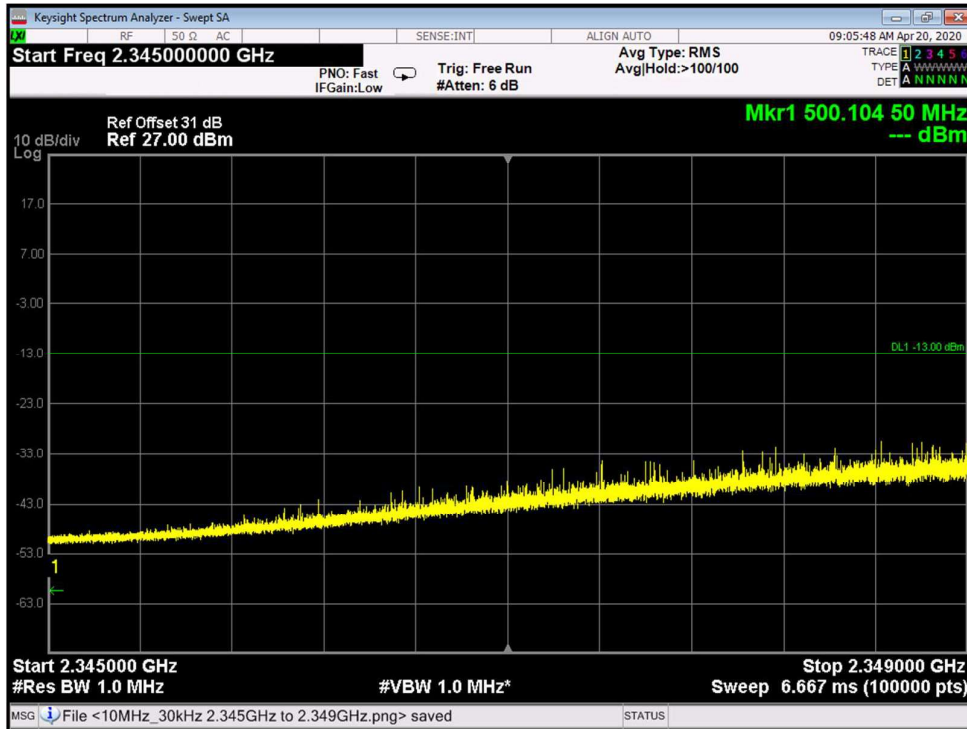


Figure 55: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

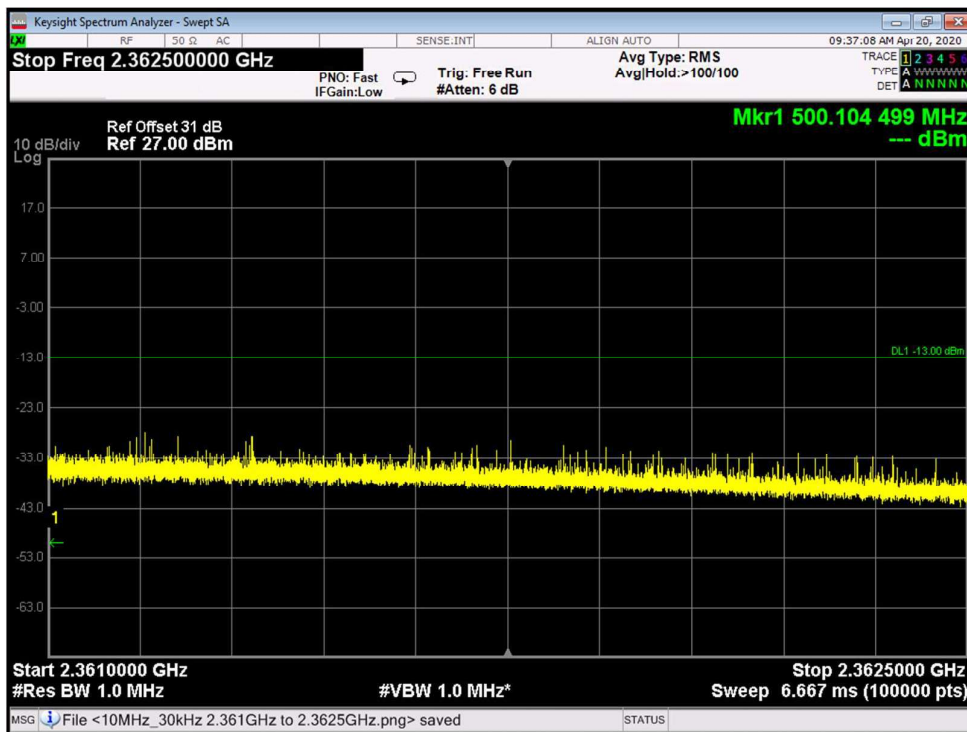


Figure 56: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz



Figure 57: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

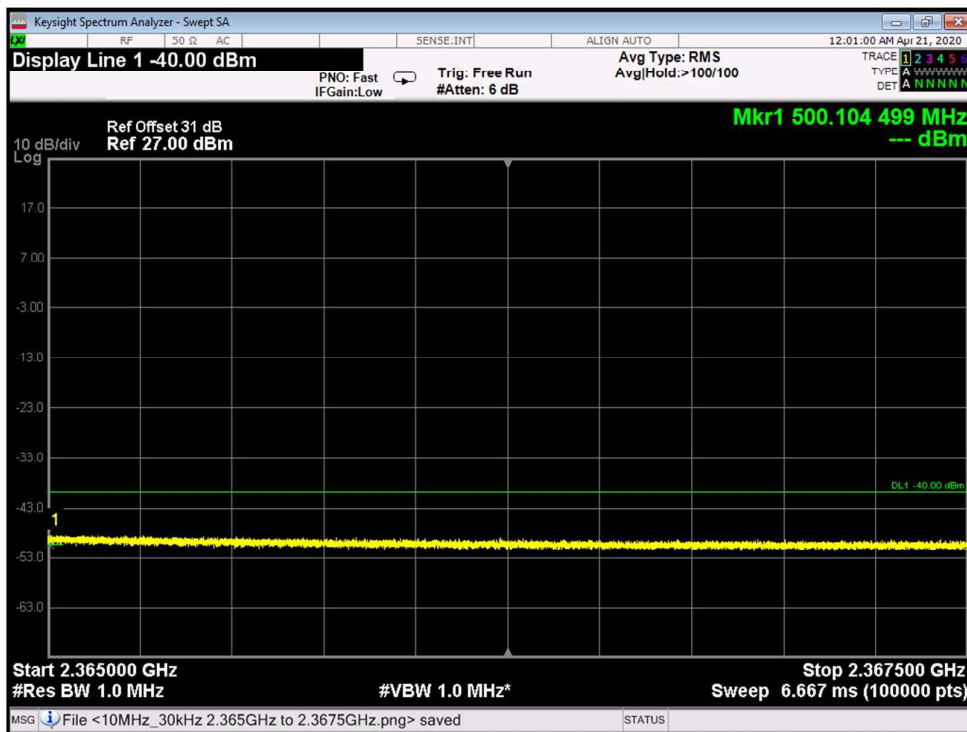


Figure 58: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

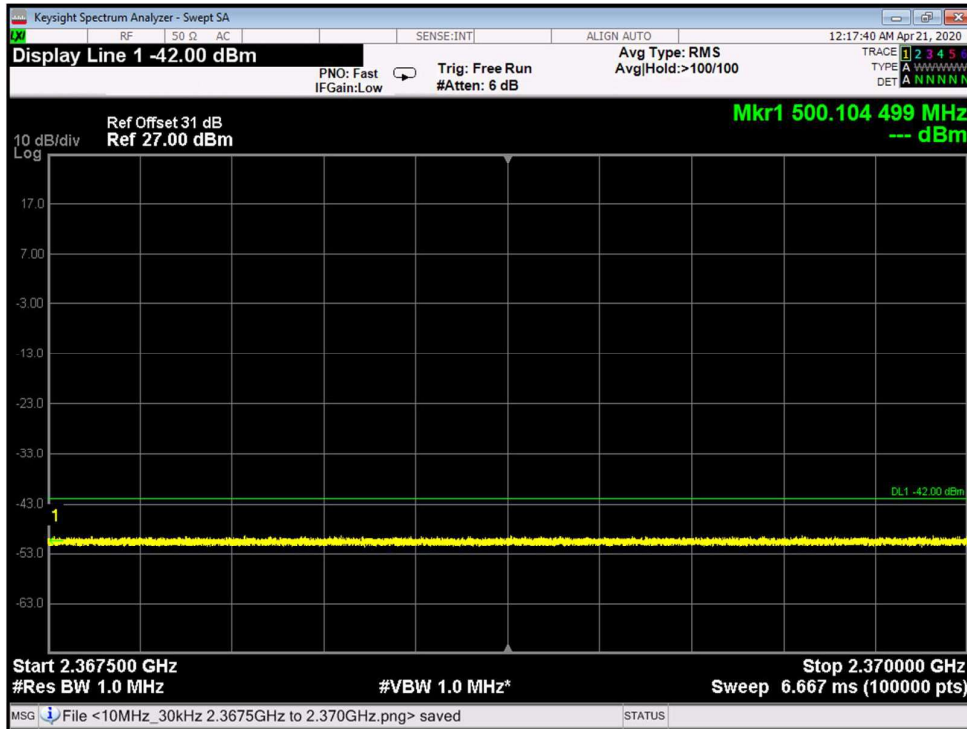


Figure 59: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

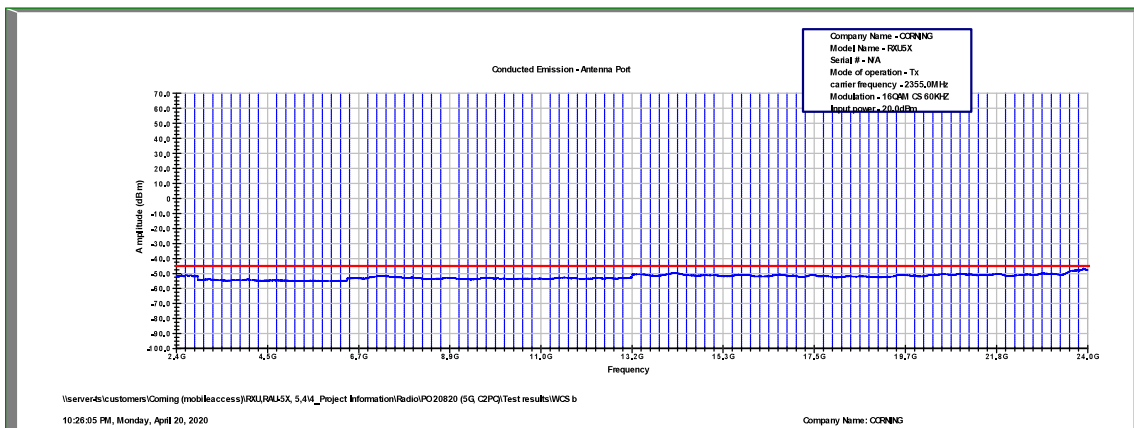


Figure 60: Spurious Emissions at Antenna Terminal 16QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

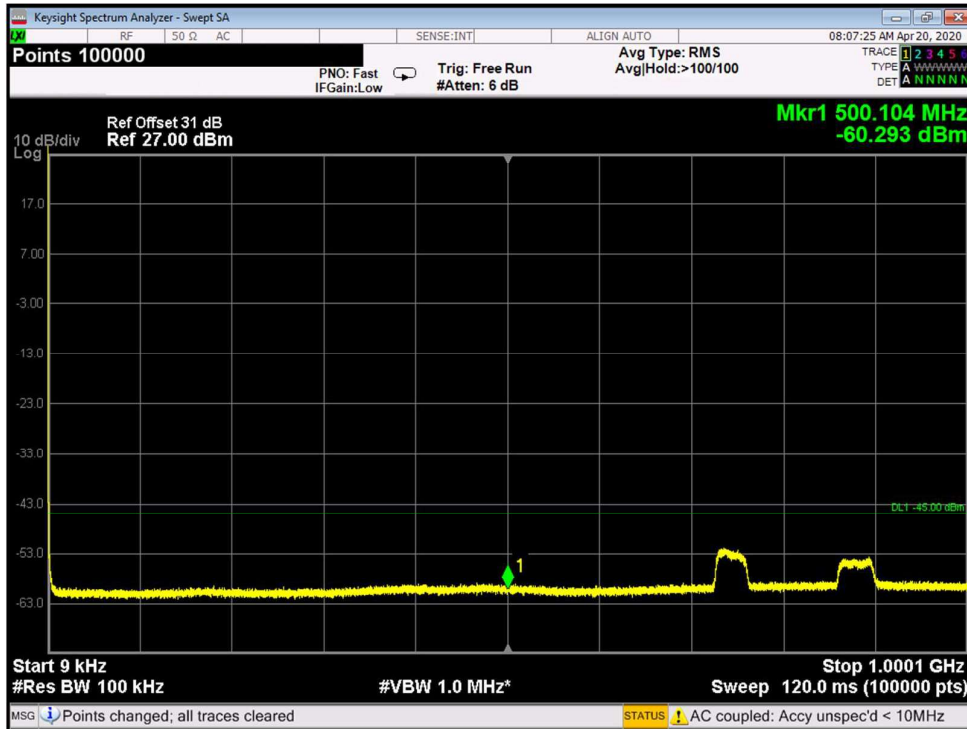


Figure 61: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

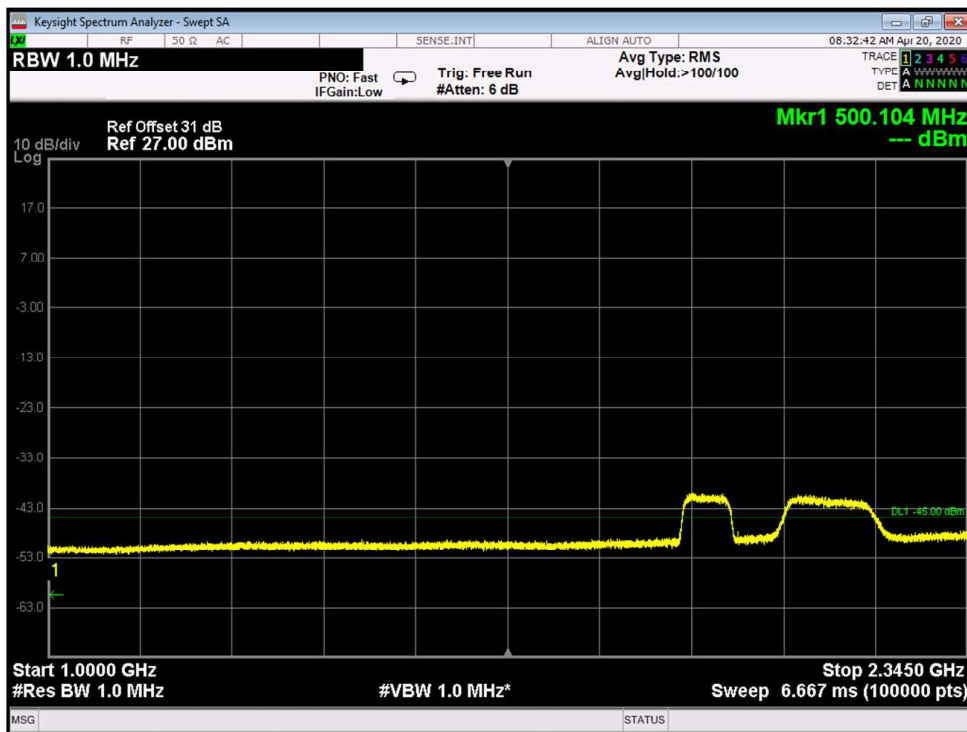


Figure 62: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

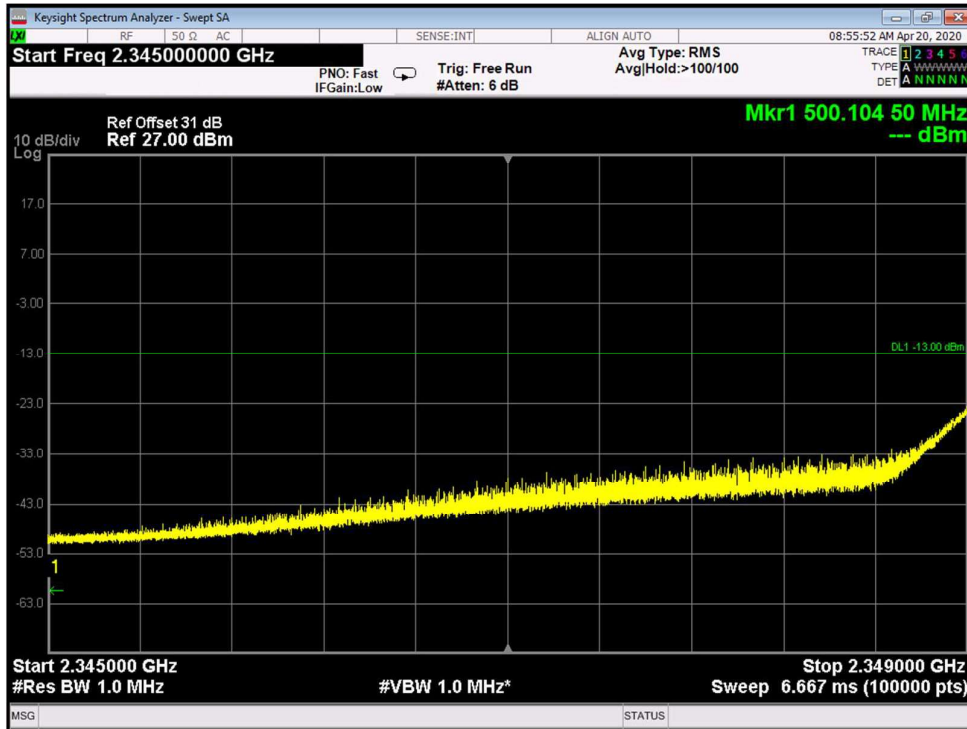


Figure 63: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

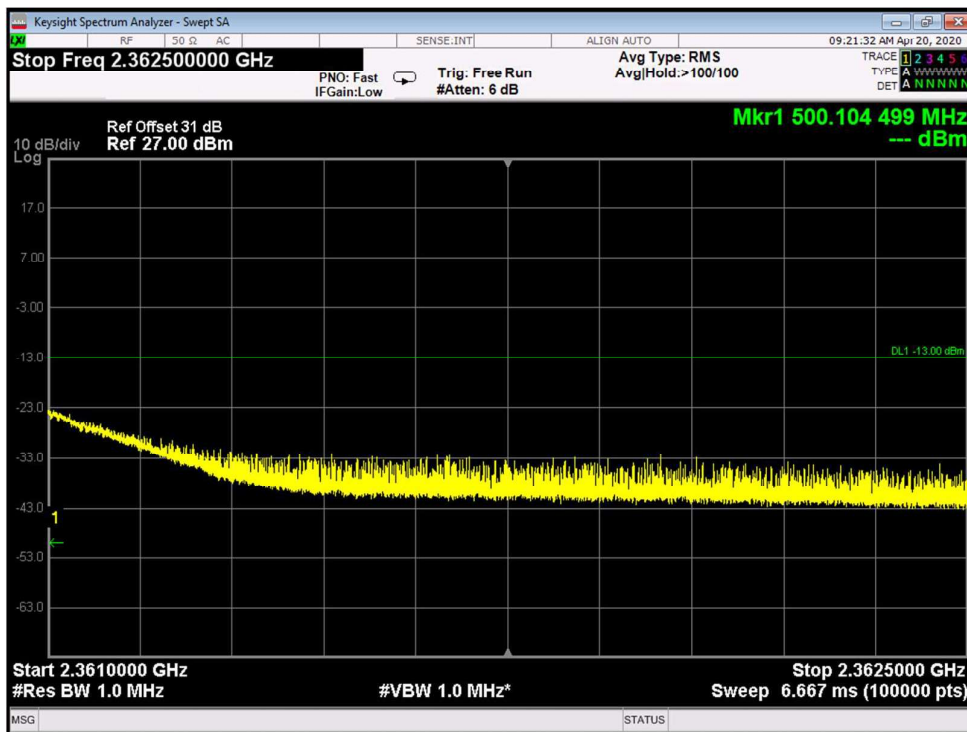


Figure 64: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

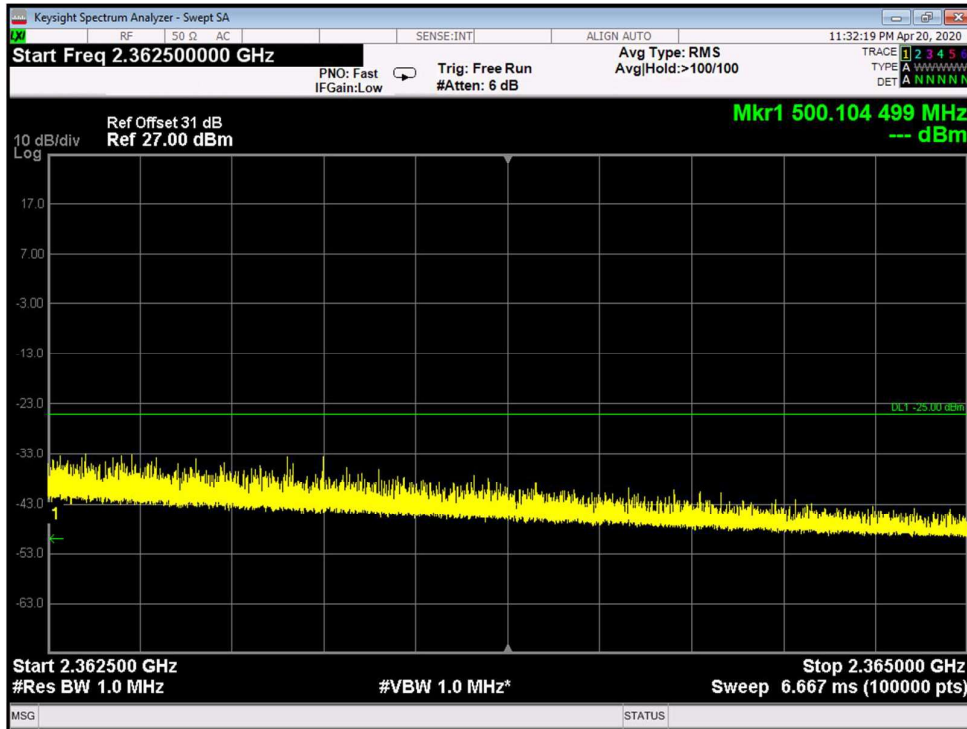


Figure 65: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

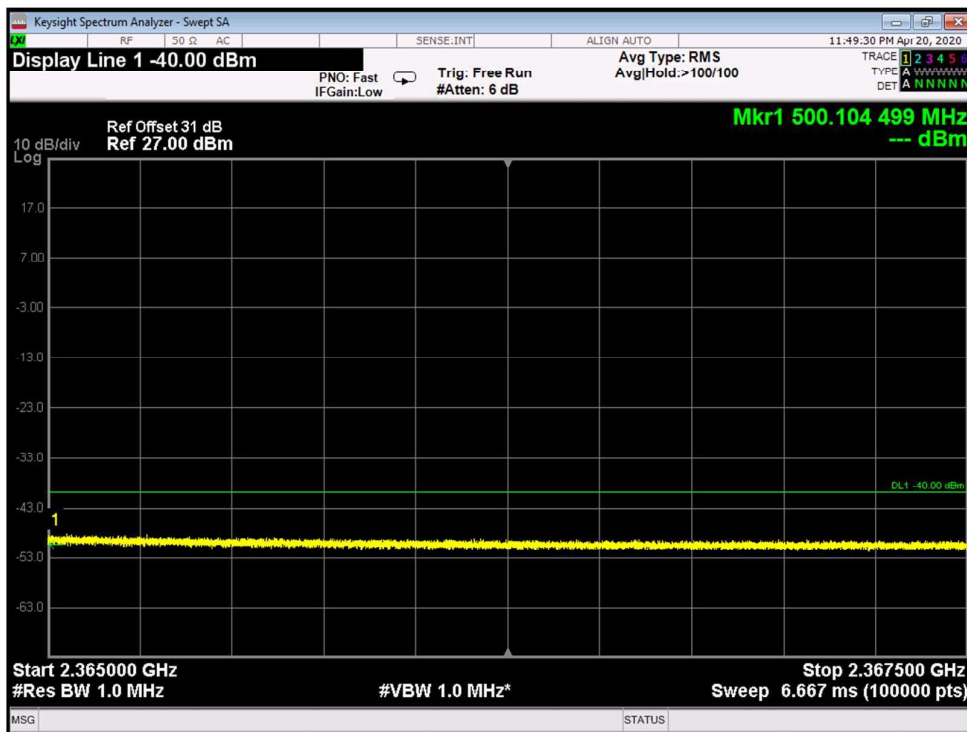


Figure 66: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz



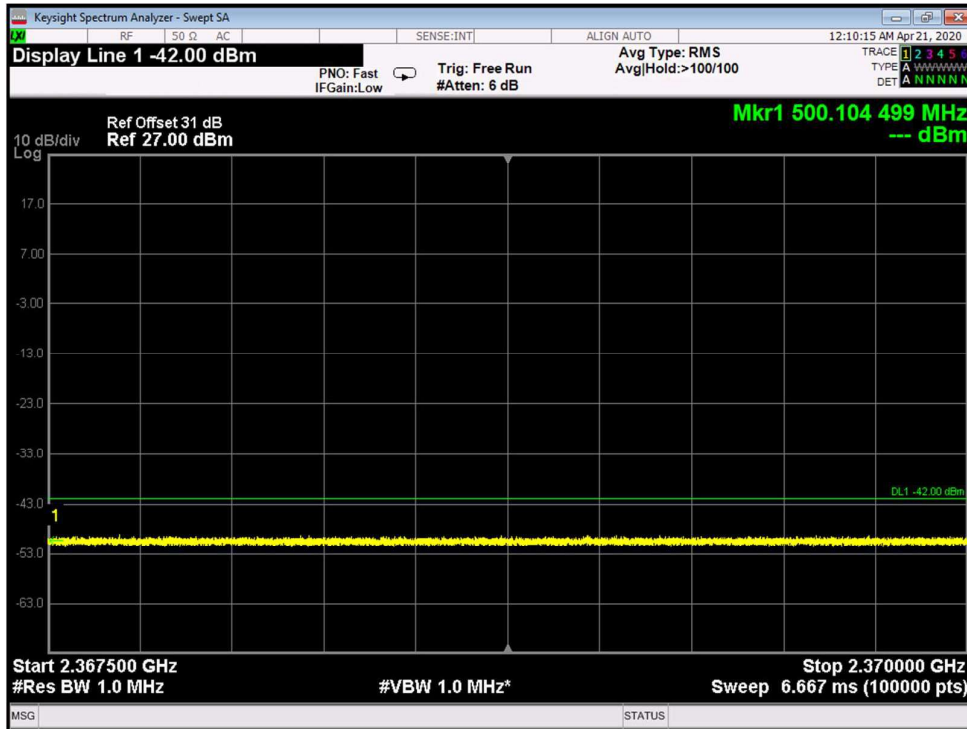


Figure 67: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

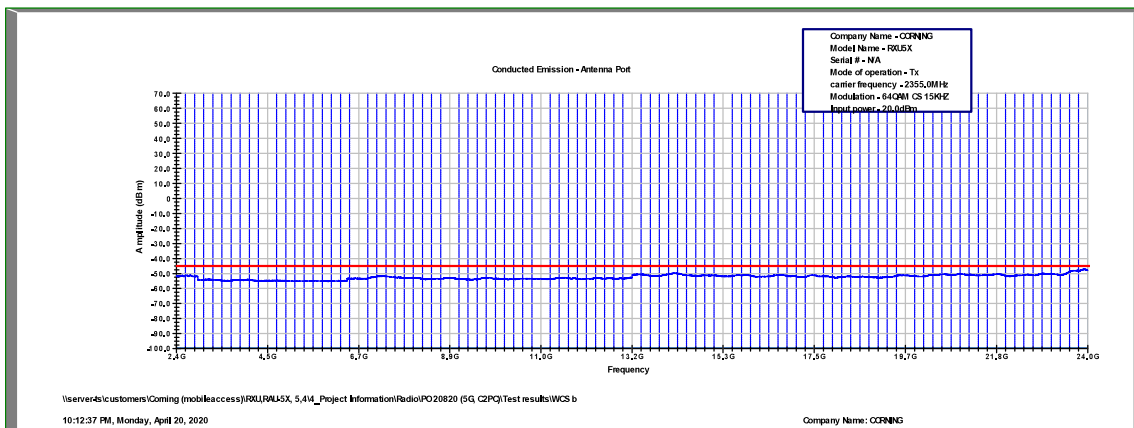


Figure 68: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

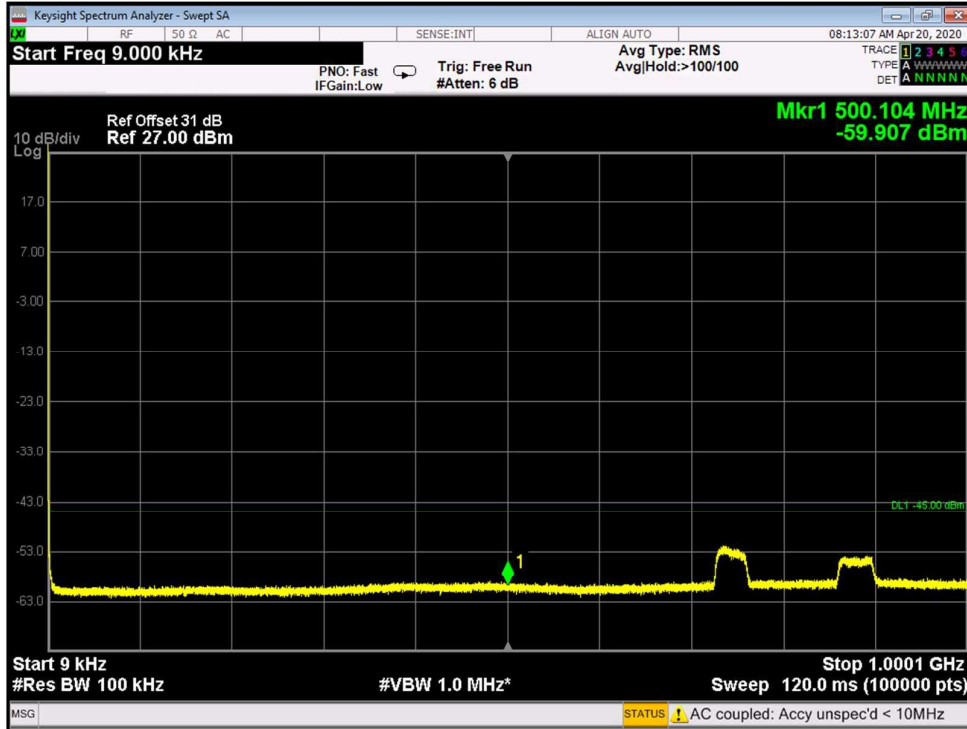


Figure 69: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

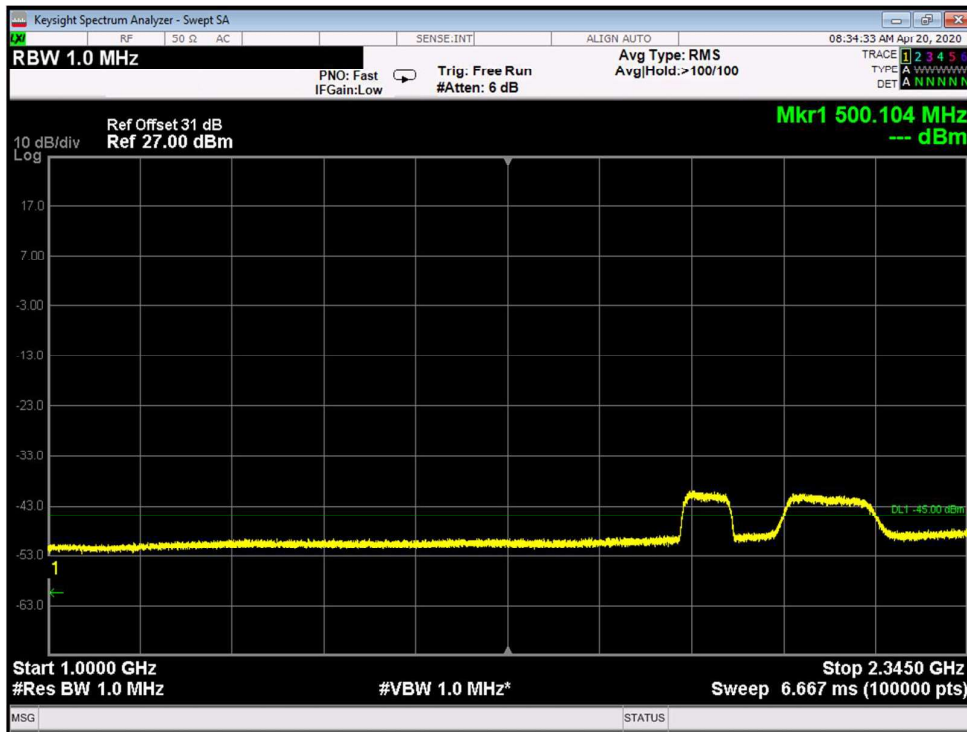


Figure 70: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

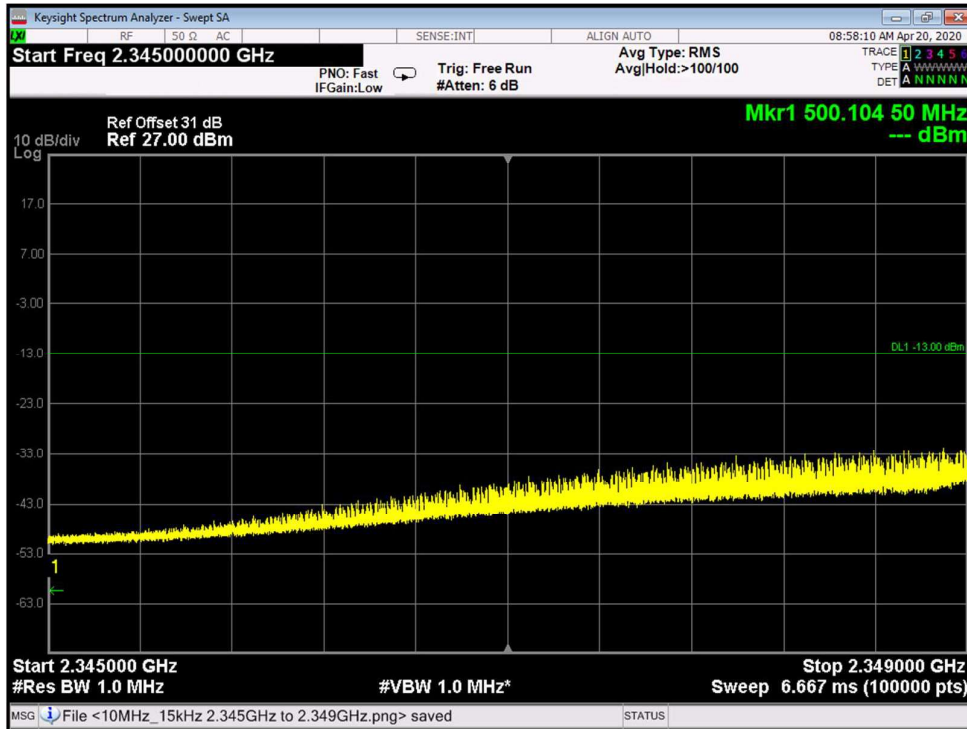


Figure 71: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

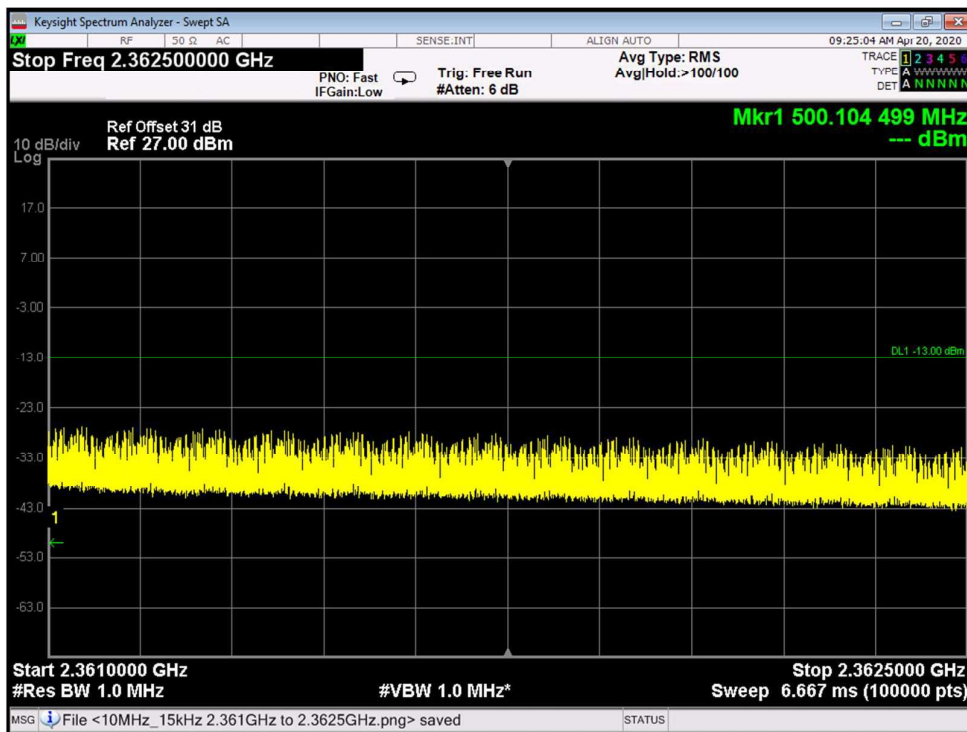


Figure 72: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

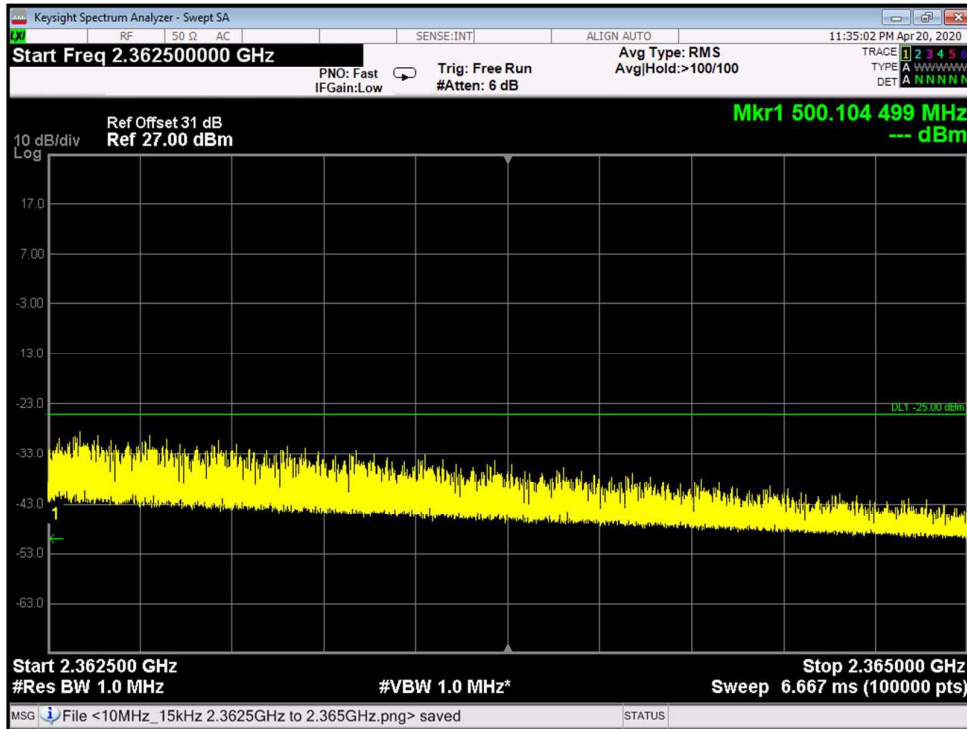


Figure 73: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

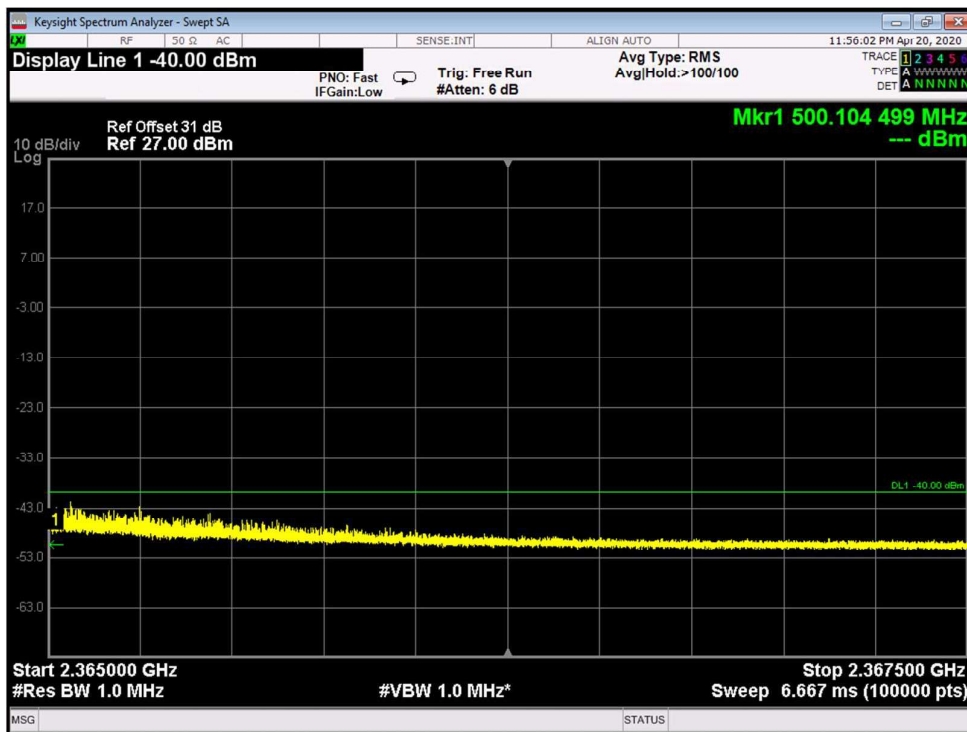


Figure 74: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

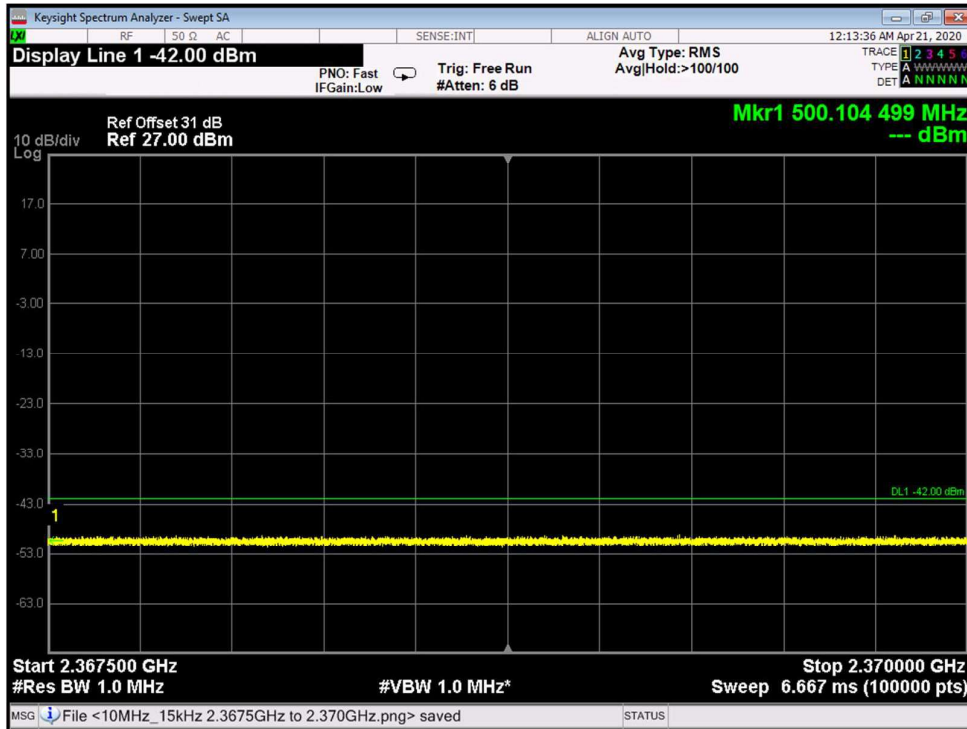


Figure 75: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

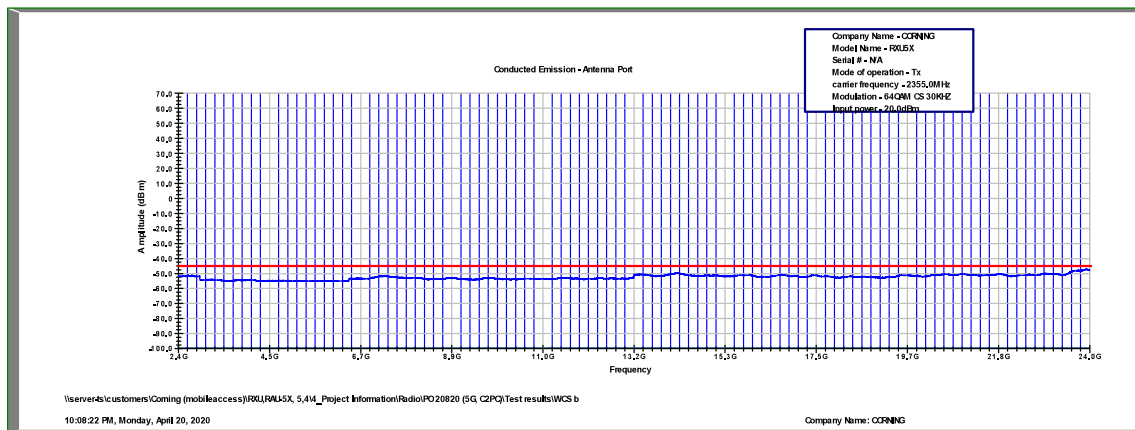


Figure 76: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 30kHz

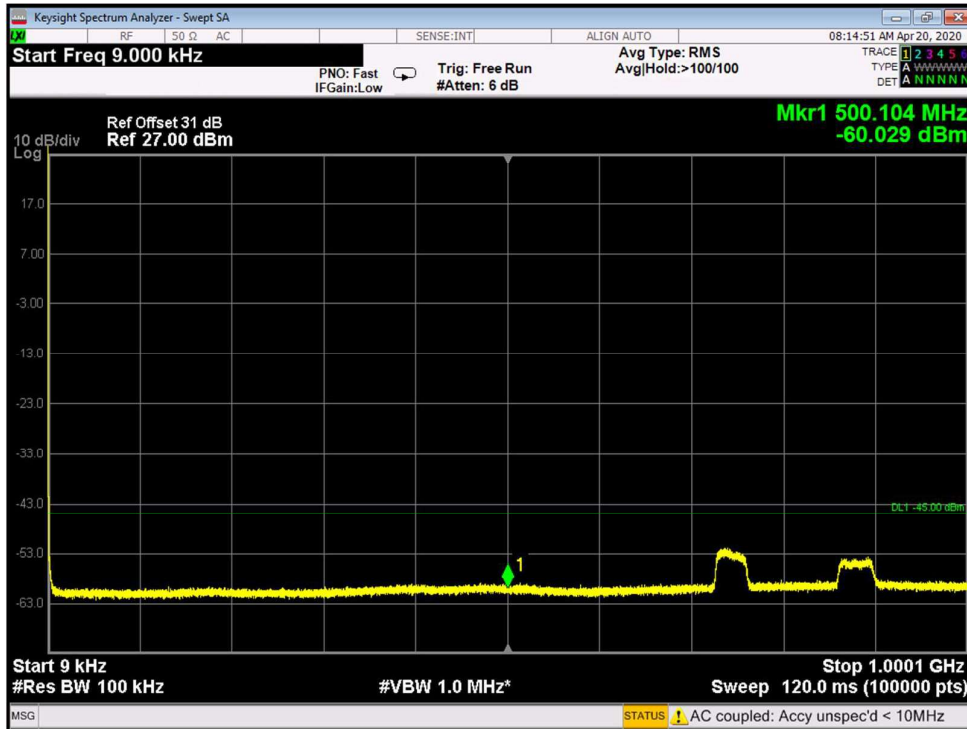


Figure 77: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

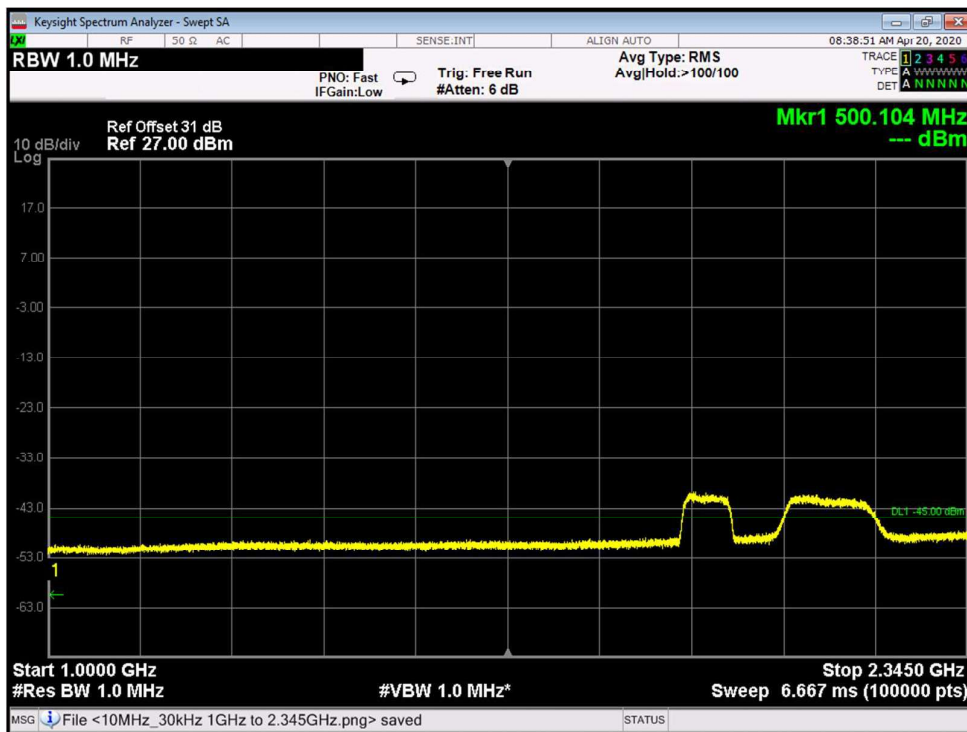


Figure 78: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

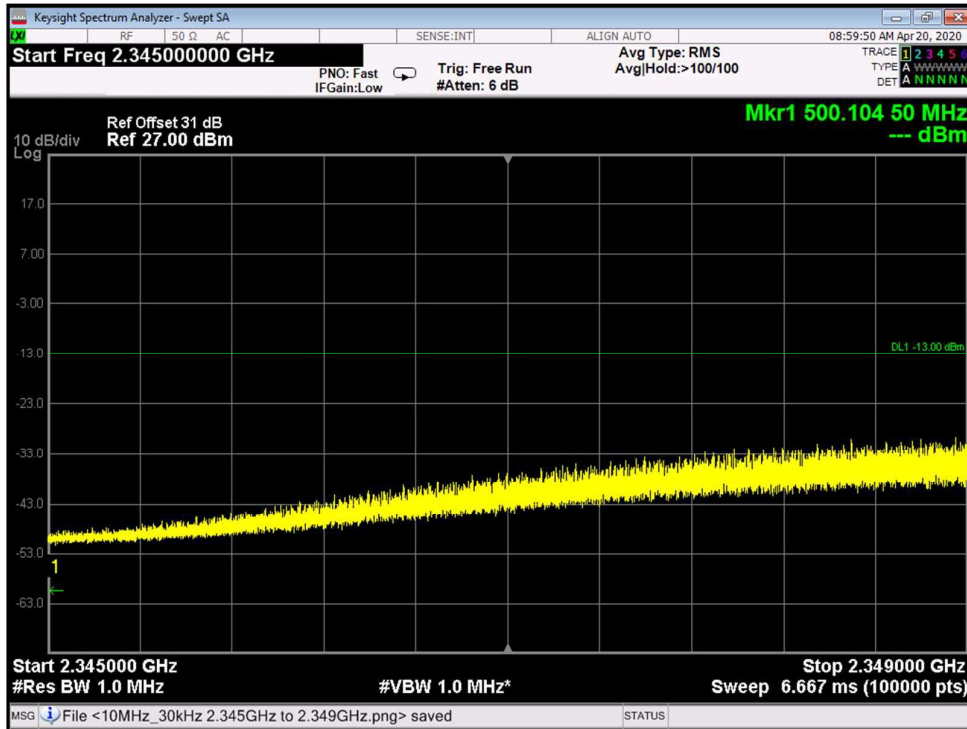


Figure 79: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

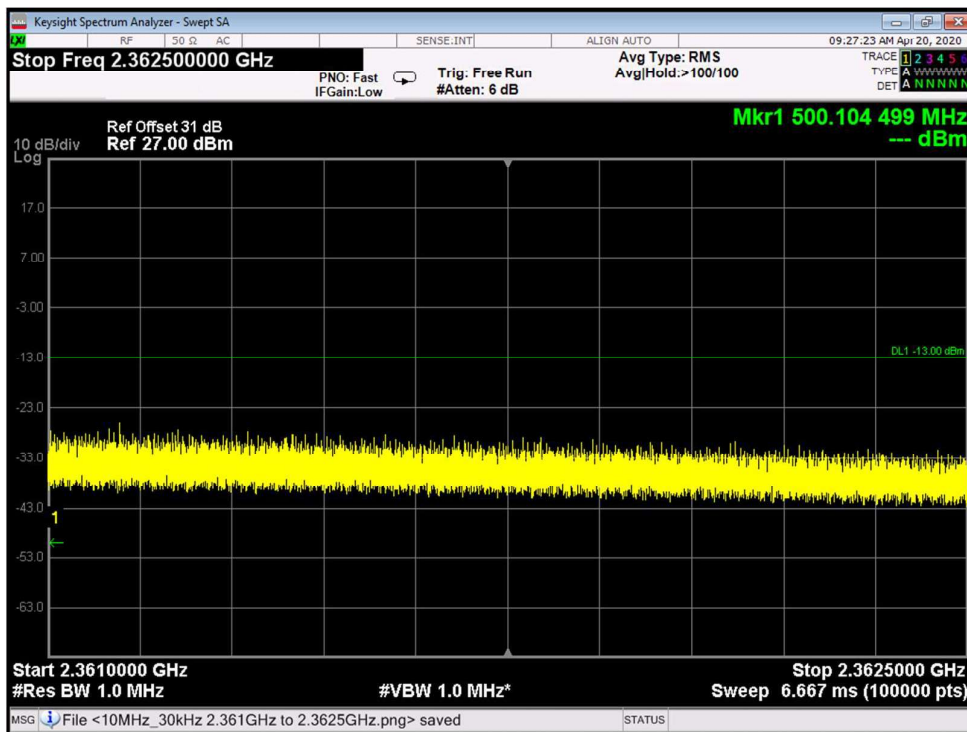


Figure 80: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

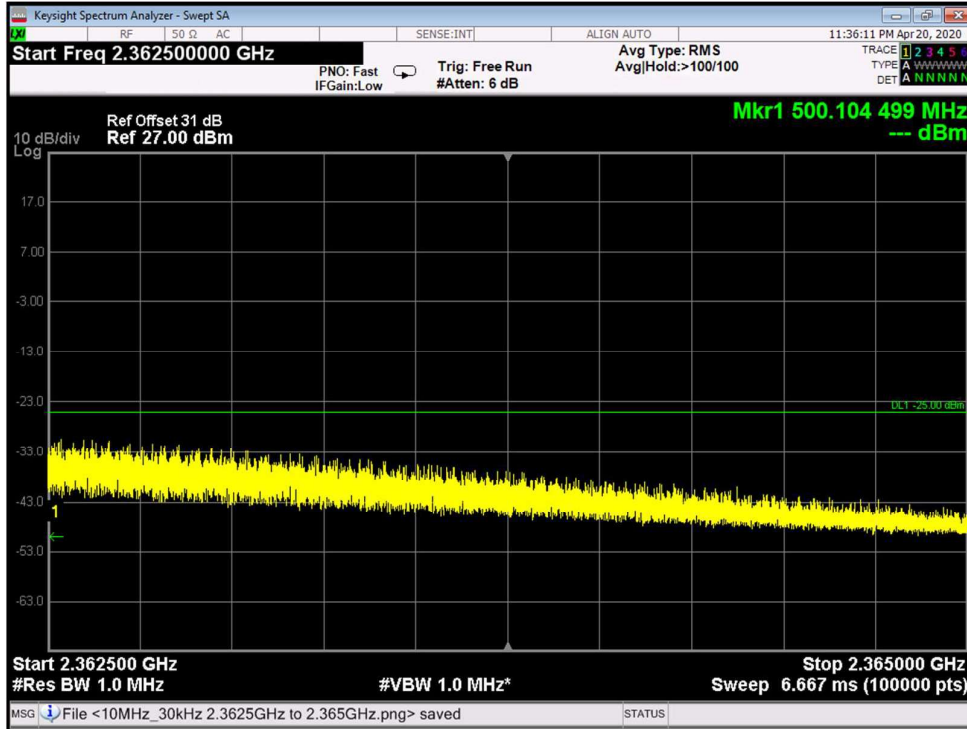


Figure 81: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

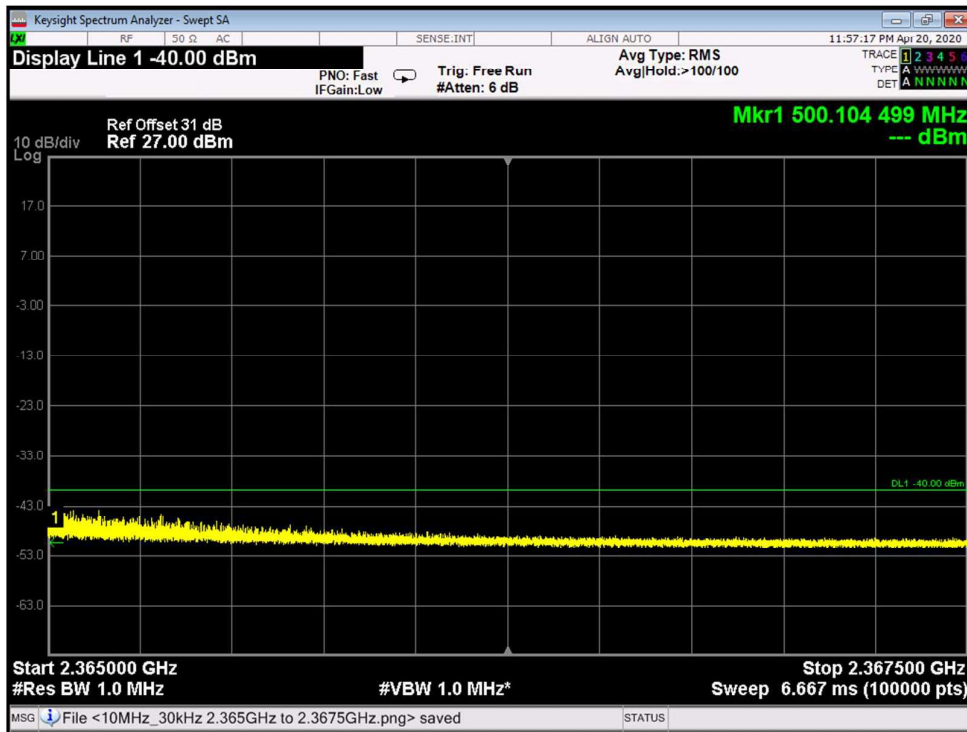


Figure 82: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz



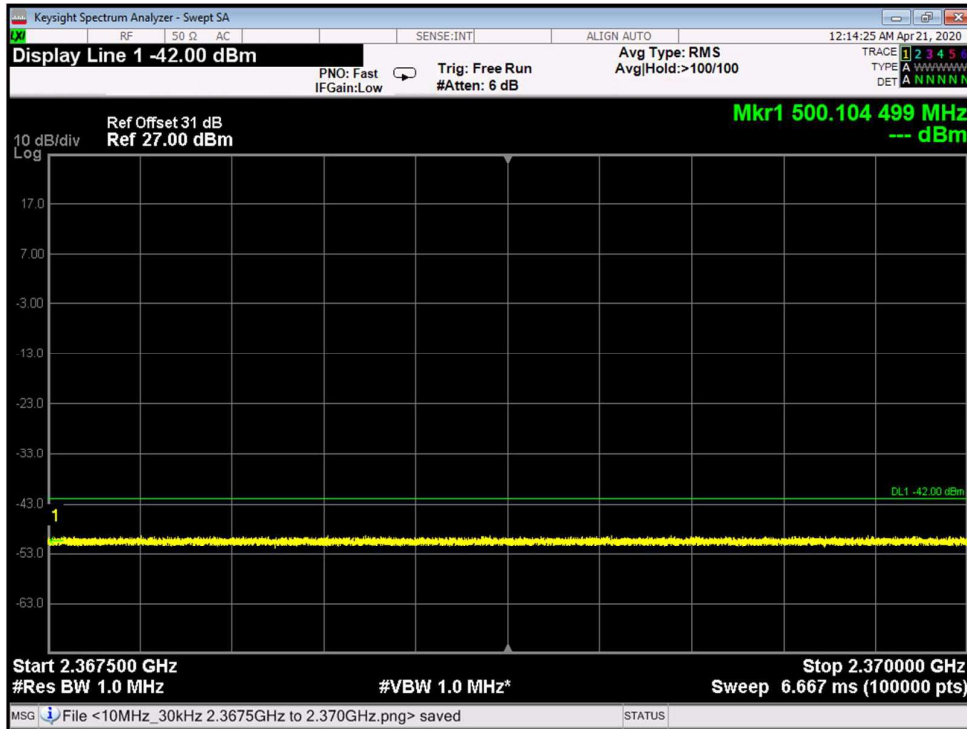


Figure 83: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

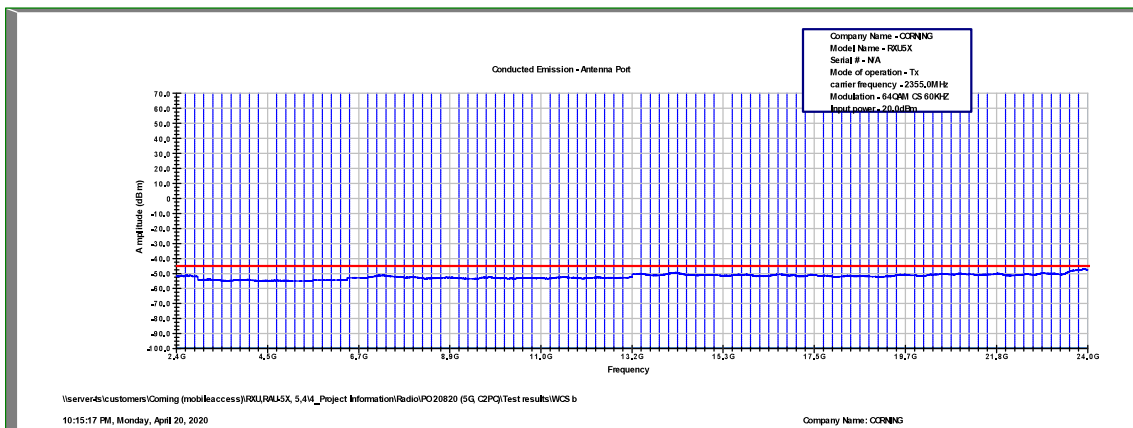


Figure 84: Spurious Emissions at Antenna Terminal 64QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 60kHz

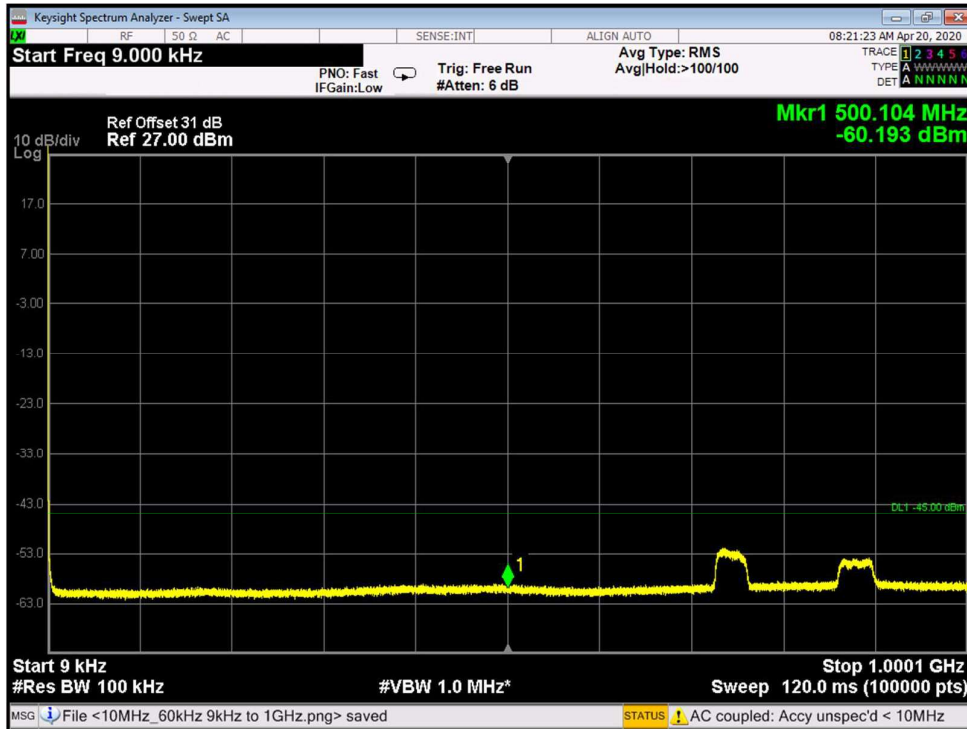


Figure 85: Spurious Emissions at Antenna Terminal 256QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

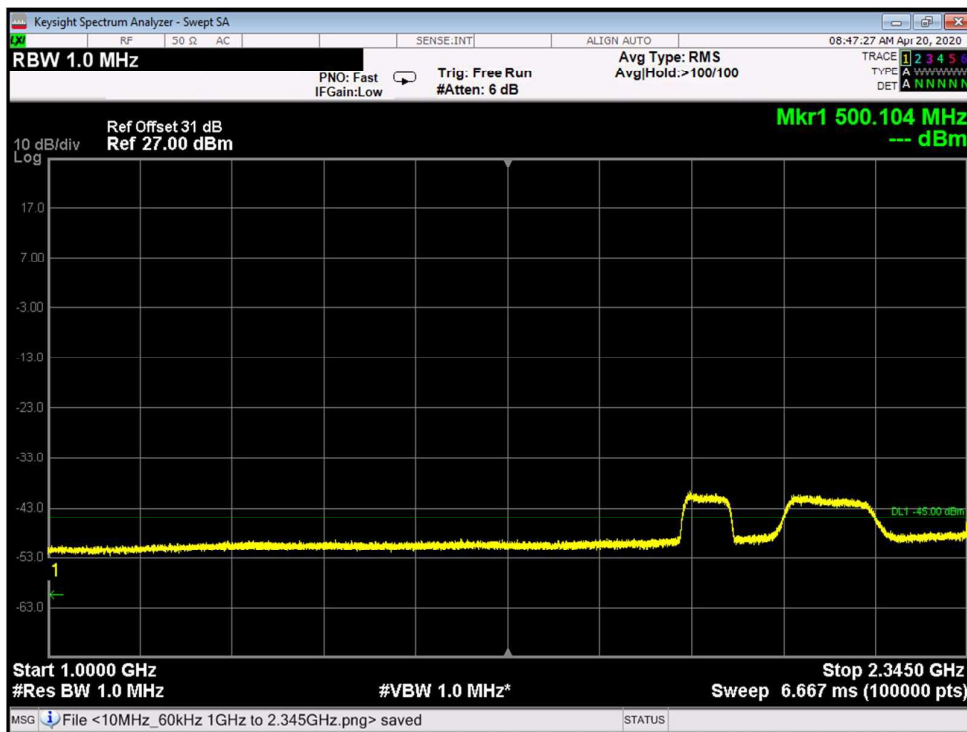


Figure 86: Spurious Emissions at Antenna Terminal 256QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

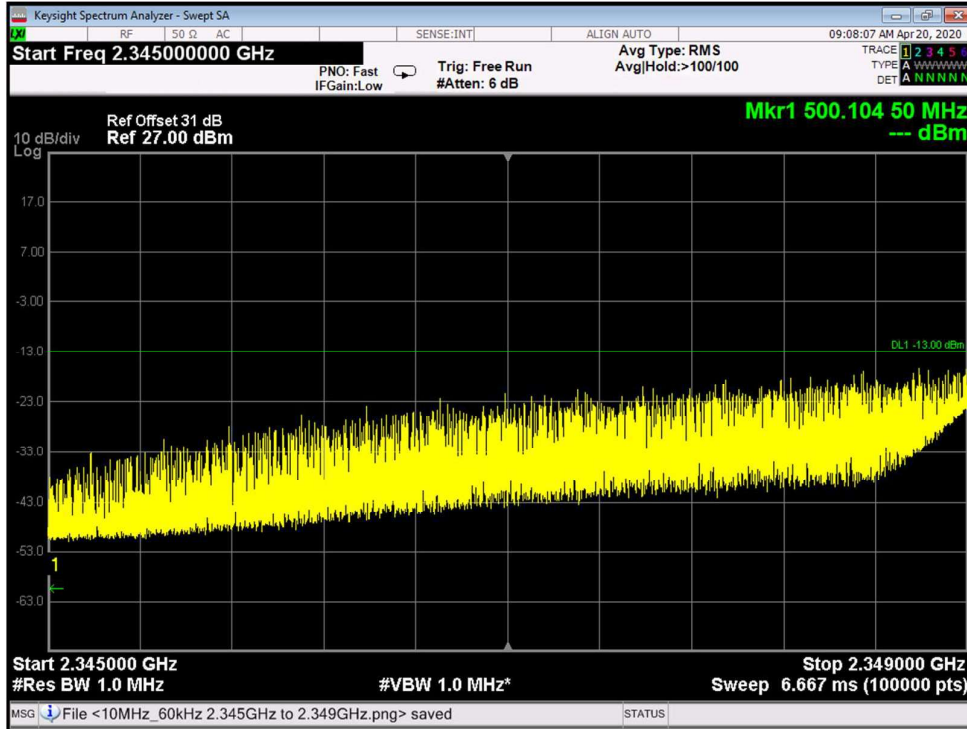


Figure 87: Spurious Emissions at Antenna Terminal 256QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

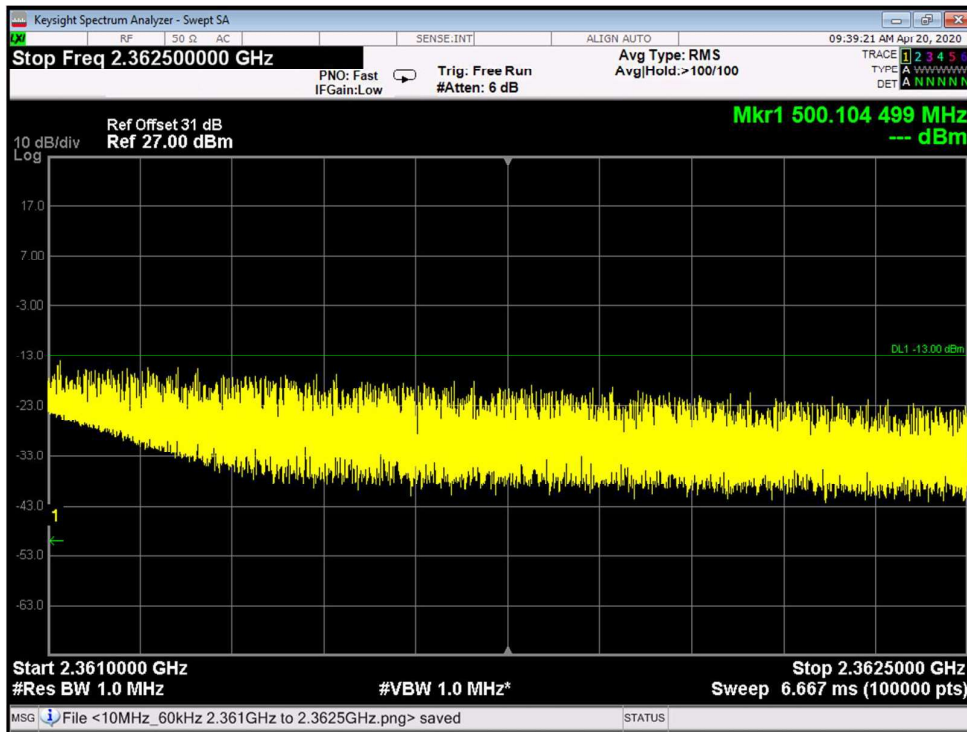


Figure 88: Spurious Emissions at Antenna Terminal 256QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

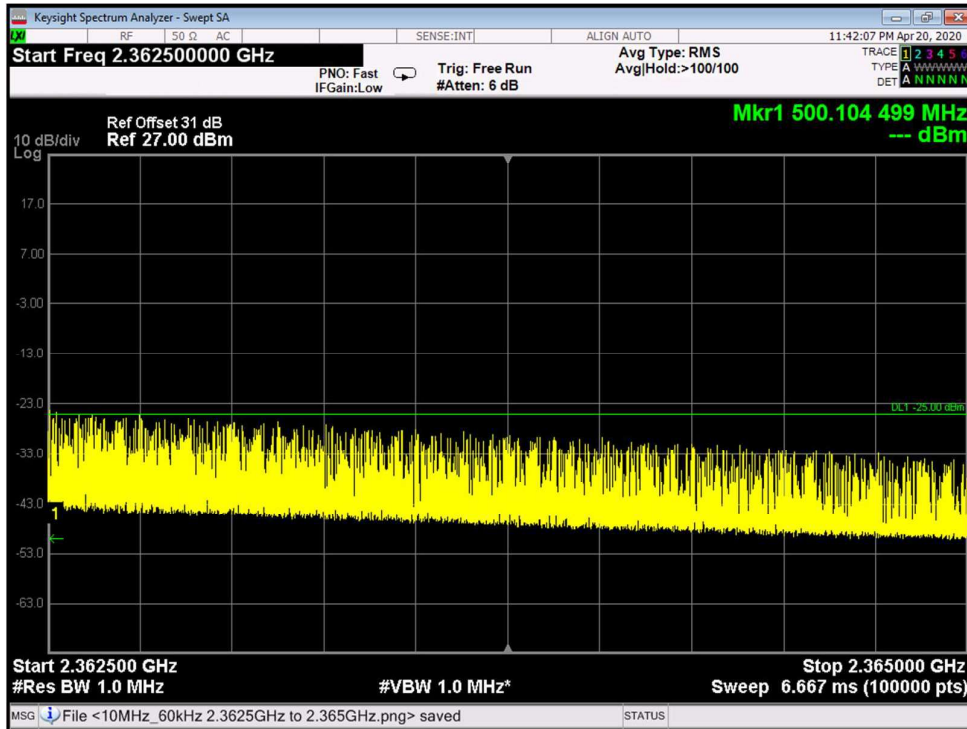


Figure 89: Spurious Emissions at Antenna Terminal 256QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz

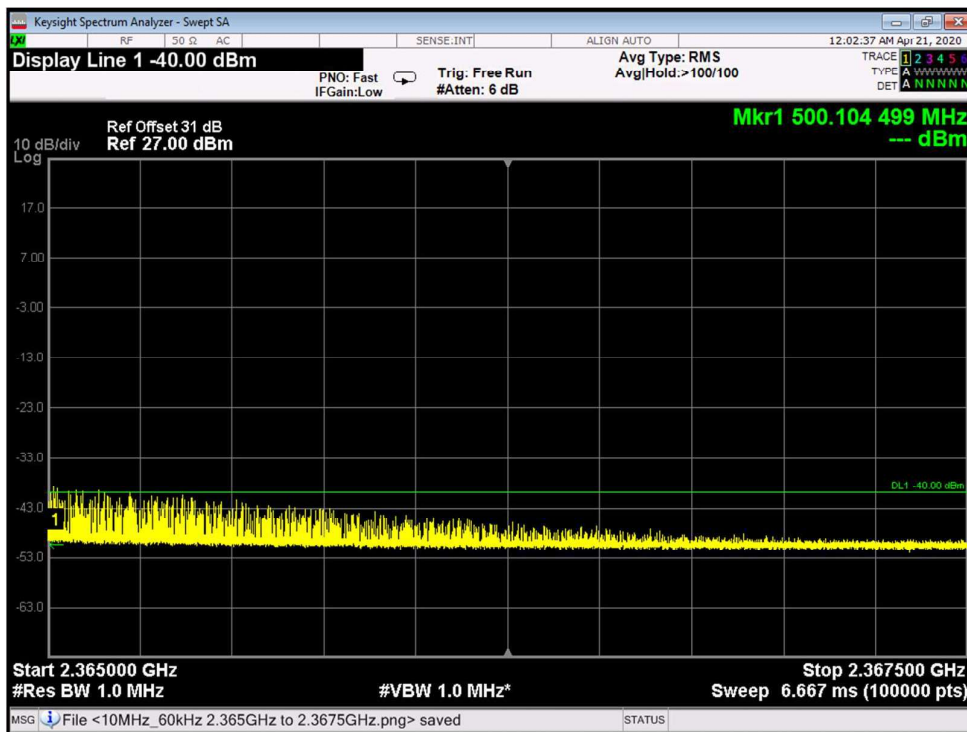


Figure 90: Spurious Emissions at Antenna Terminal 256QAM, 2355.0MHz, B.W. 10MHz, Sub Carrier 15kHz