

8 Spurious Emissions at Antenna Terminals

8.1 Test Specification

FCC Part 27, Subpart C, Sections 27.53(c)(1) (3) 27.53 (g)

8.2 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=41.1dB).

Test Limit

The power of any emission outside of the authorized operating frequency ranges (2496 -2690 MHz) must be attenuated below the transmitting power (P) by a factor of $43 + 10 \log (P)$ dB.

8.3 Test Results

JUDGEMENT: Passed

See additional information in Figure 330 to Figure 467.

5G

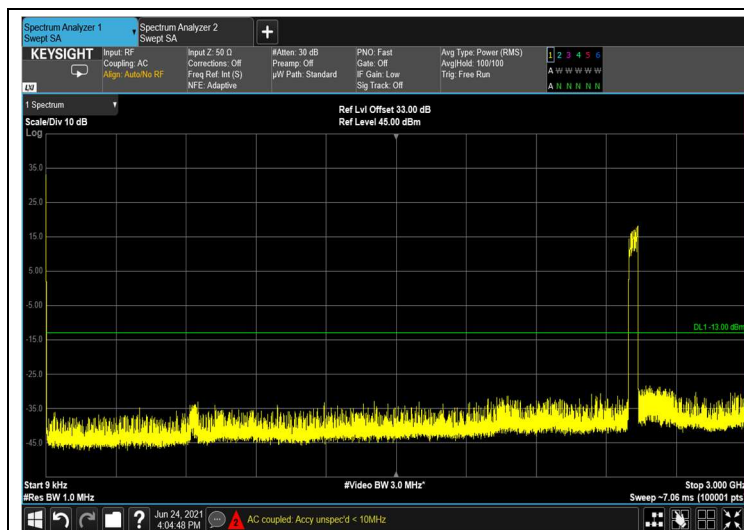


Figure 330: 9kHz-3GHz

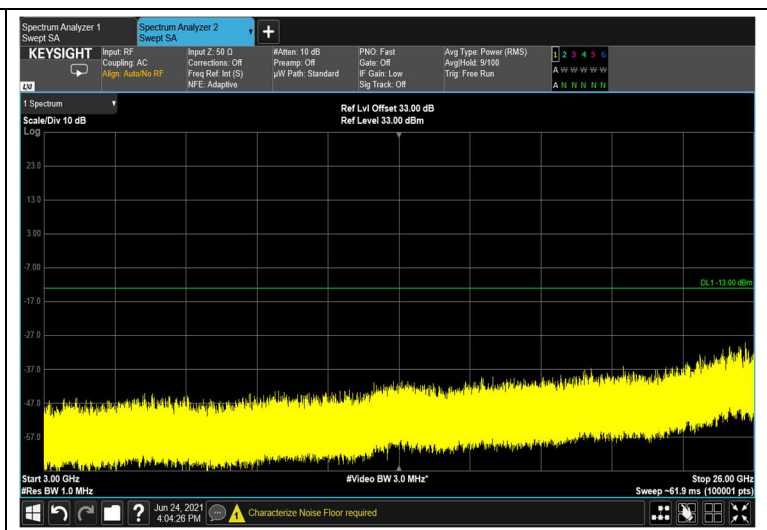


Figure 331: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 40MHz B.W.; 2516.0MHz, 15kHz

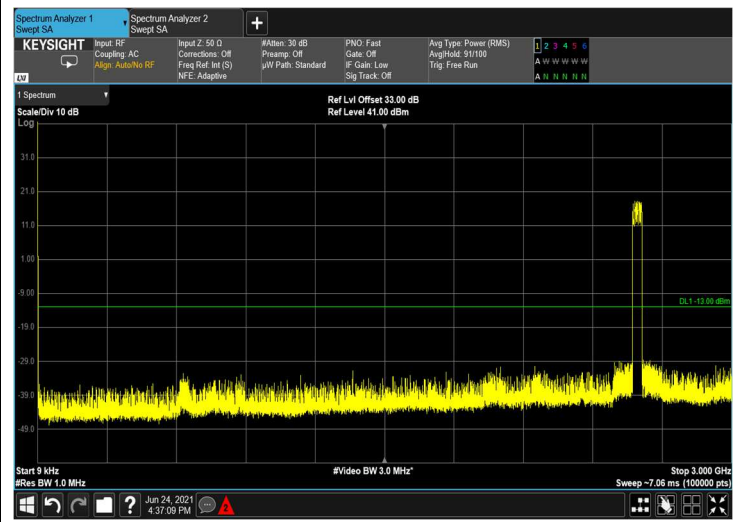


Figure 332: 9kHz-3GHz

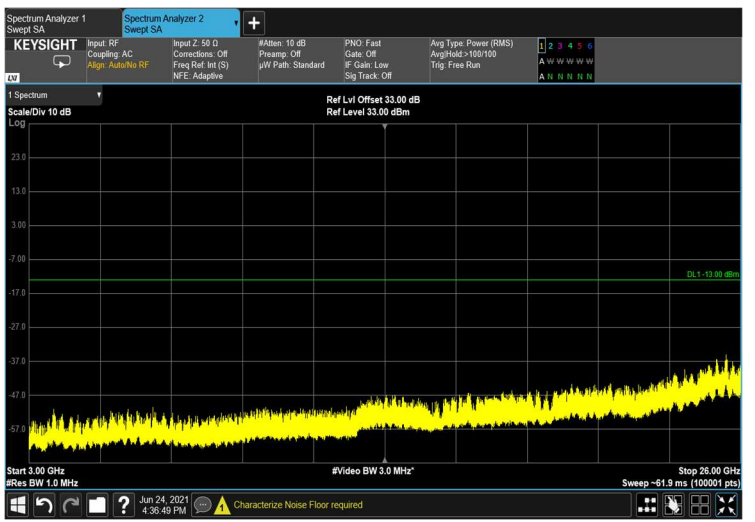


Figure 333: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 40MHz B.W.; 2593.0MHz, 15kHz

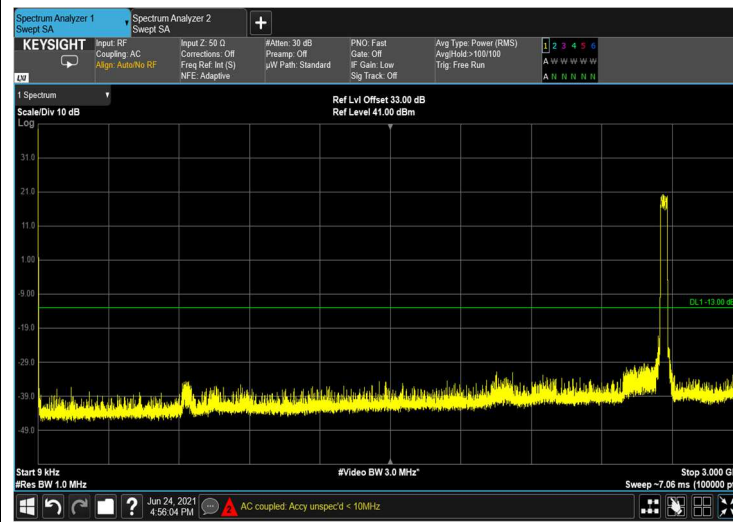


Figure 334: 9kHz-3GHz

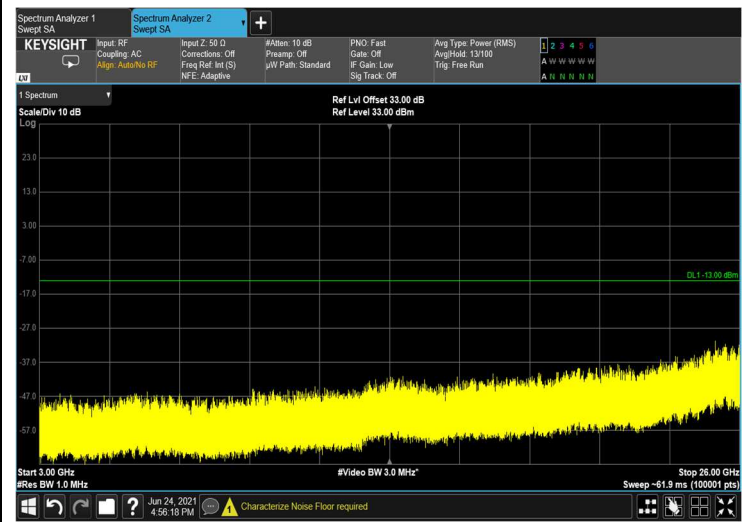


Figure 335: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 40MHz B.W.; 2670.0MHz, 15kHz

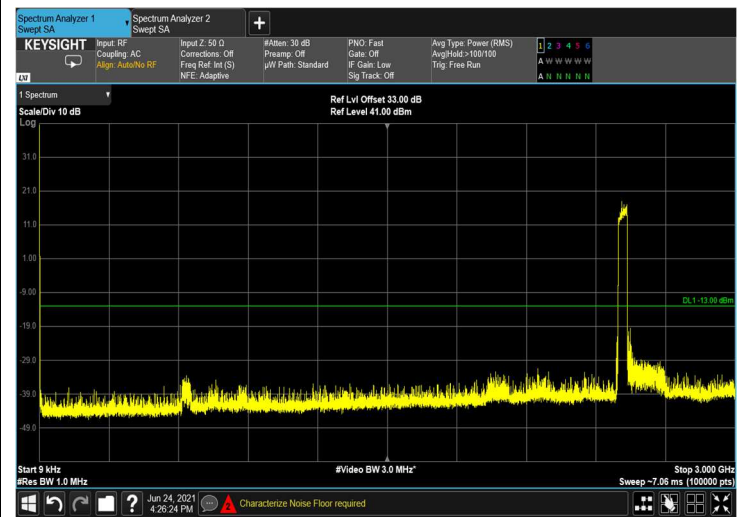


Figure 336: 9kHz-3GHz

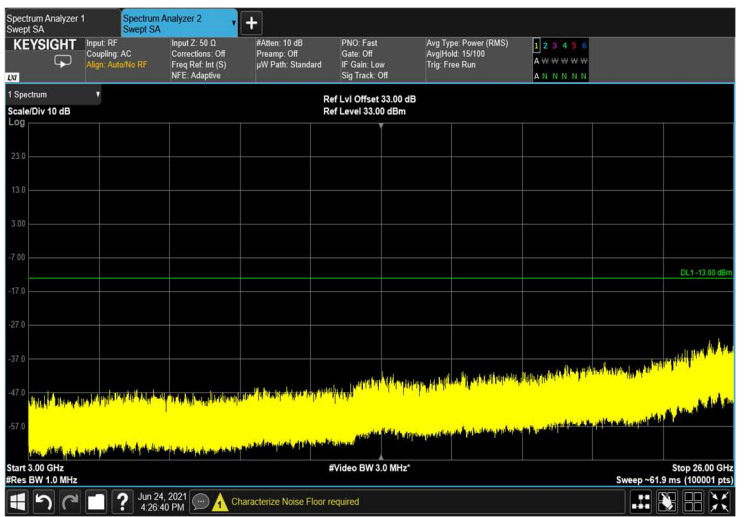


Figure 337: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 40MHz B.W.; 2516.0MHz, 30kHz

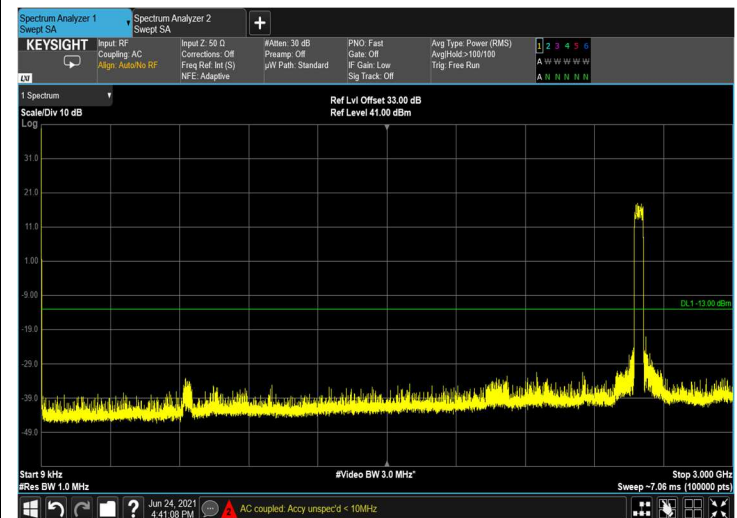


Figure 338: 9kHz-3GHz

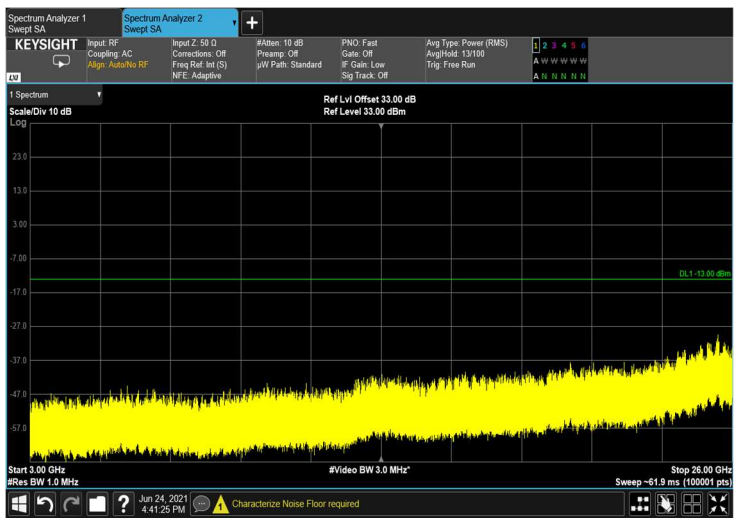


Figure 339: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 40MHz B.W.; 2593.0MHz, 30kHz

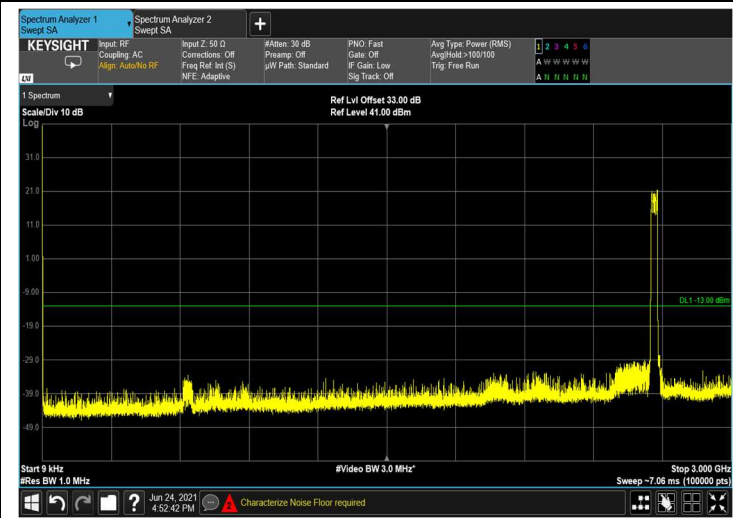


Figure 340: 9kHz-3GHz

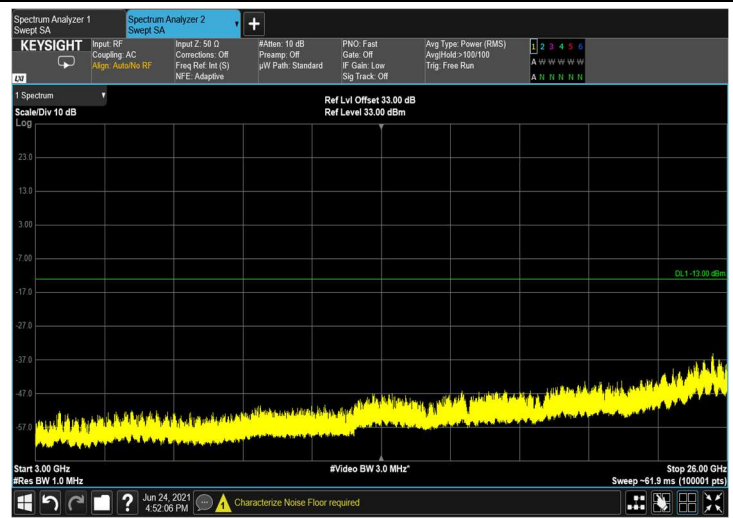


Figure 341: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 40MHz B.W.; 2670.0MHz, 30kHz

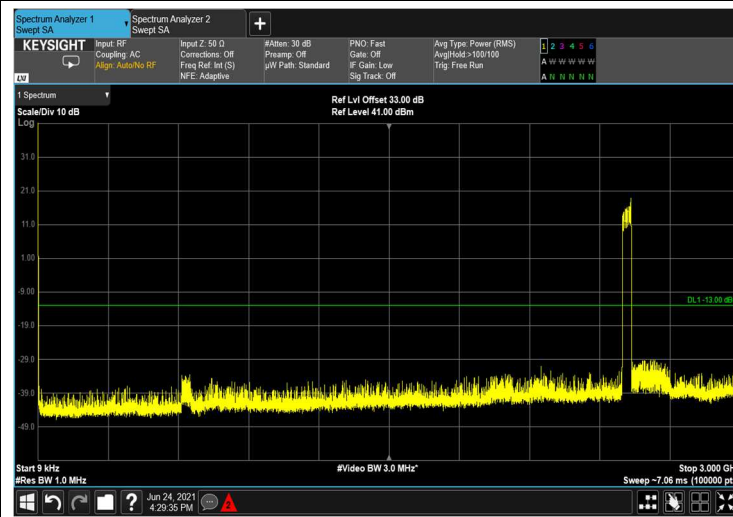


Figure 342: 9kHz-3GHz

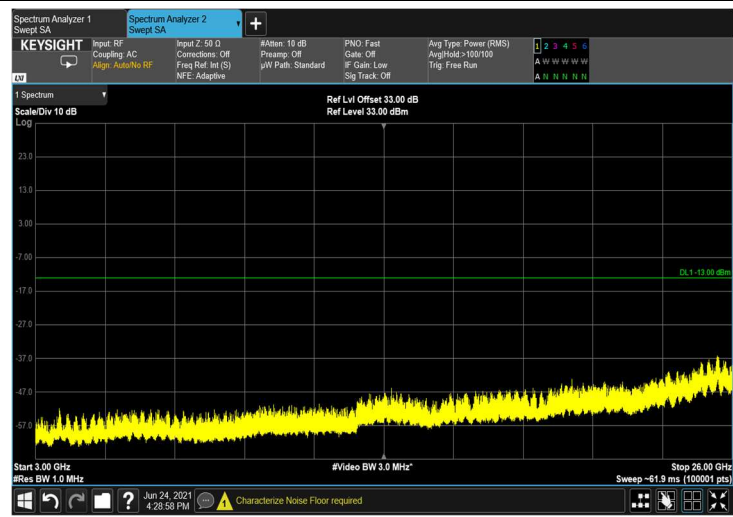


Figure 343: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 40MHz B.W.; 2516.0MHz, 60kHz

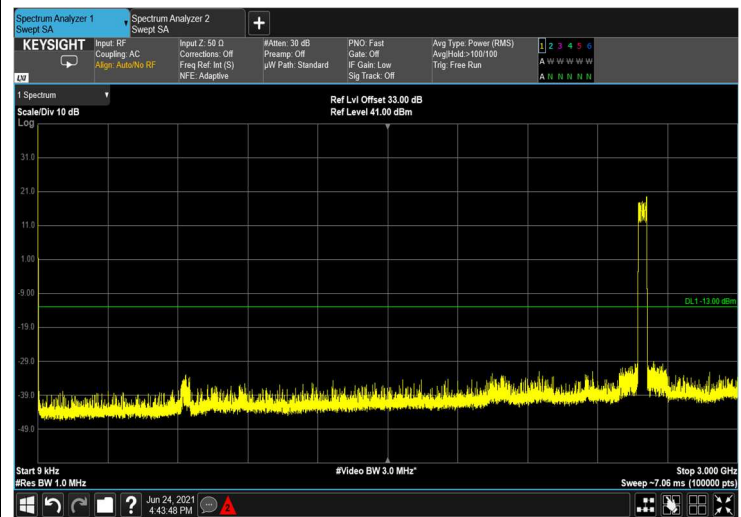


Figure 344: 9kHz-3GHz

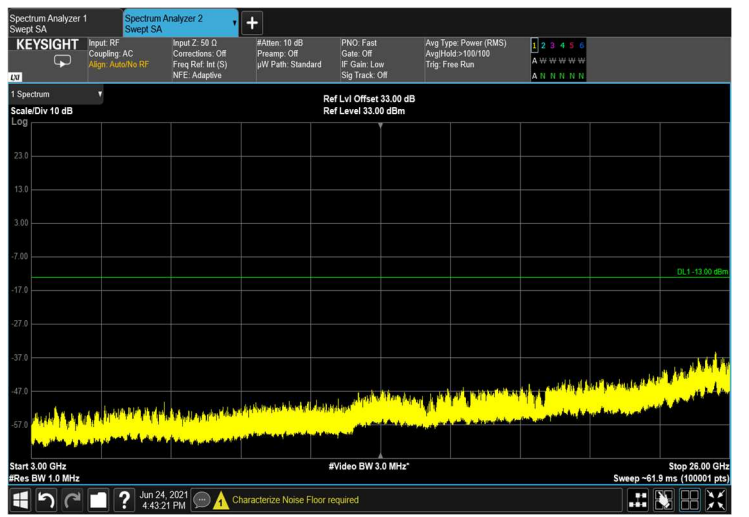


Figure 345: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 40MHz B.W.; 2593.0MHz, 60kHz

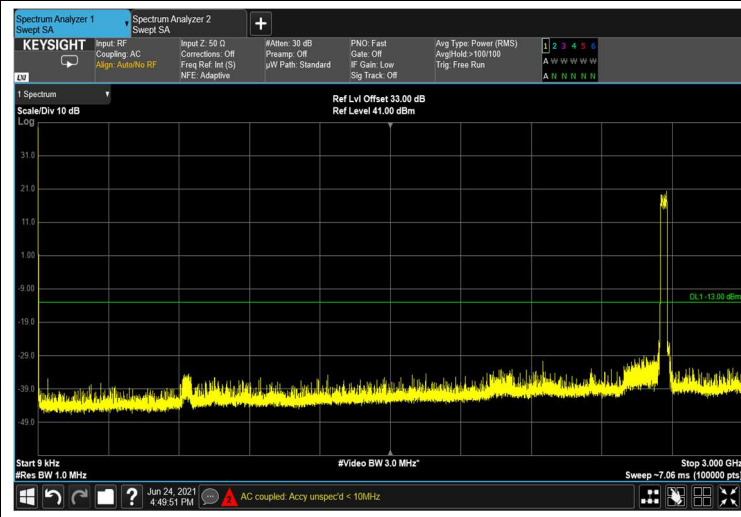


Figure 346: 9kHz-3GHz

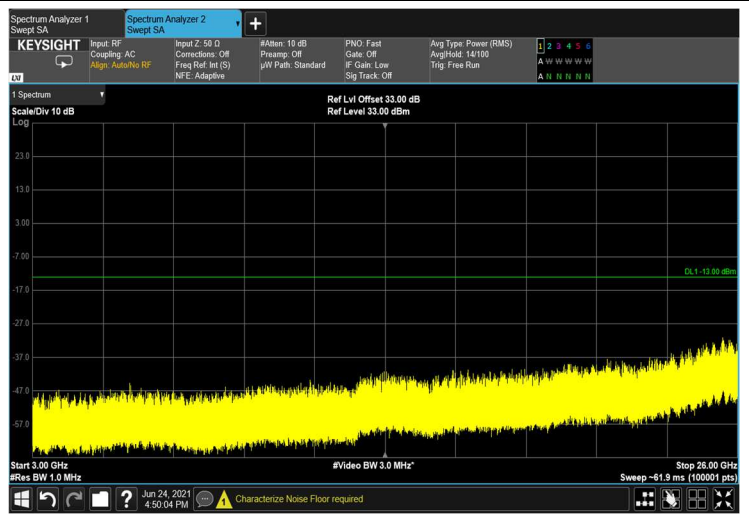


Figure 347: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 40MHz B.W.; 2670.0MHz, 60kHz



Figure 348: 9kHz-3GHz

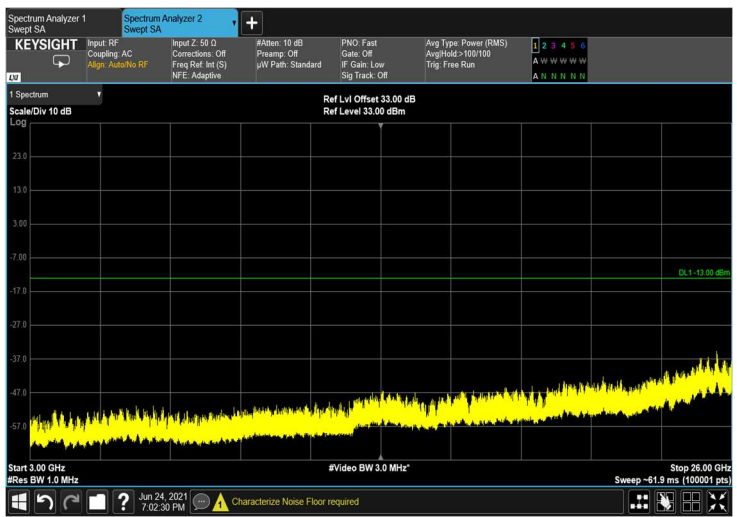


Figure 349: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 60MHz B.W.; 2526.0MHz, 30kHz

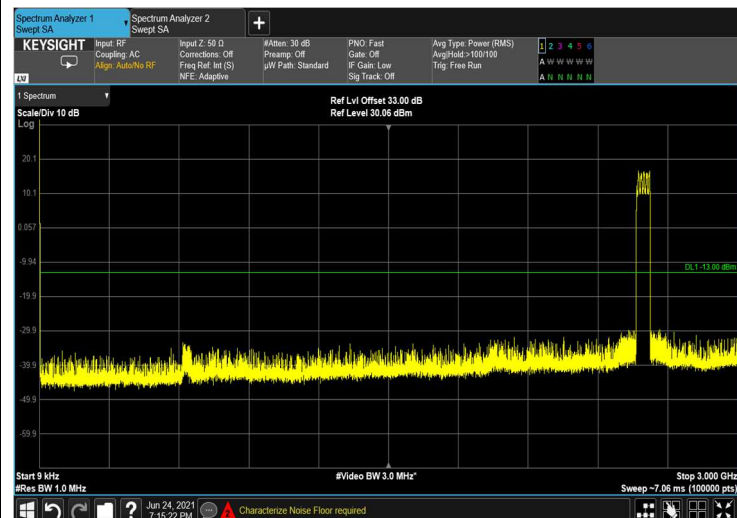


Figure 350: 9kHz-3GHz

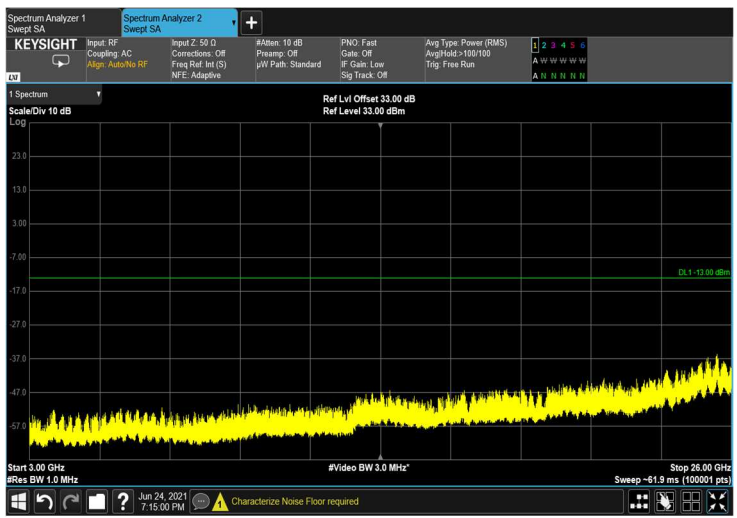
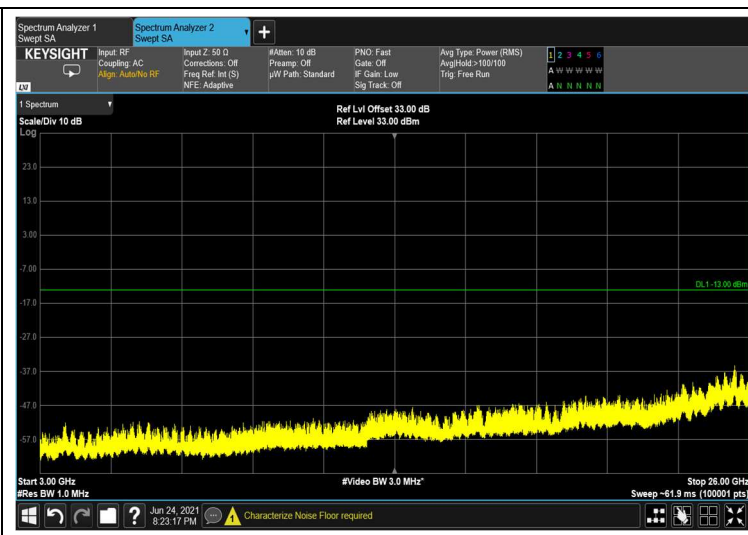
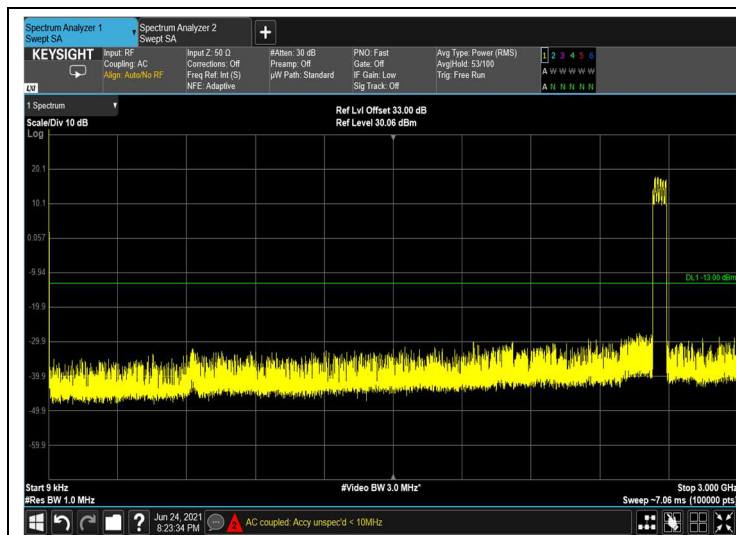
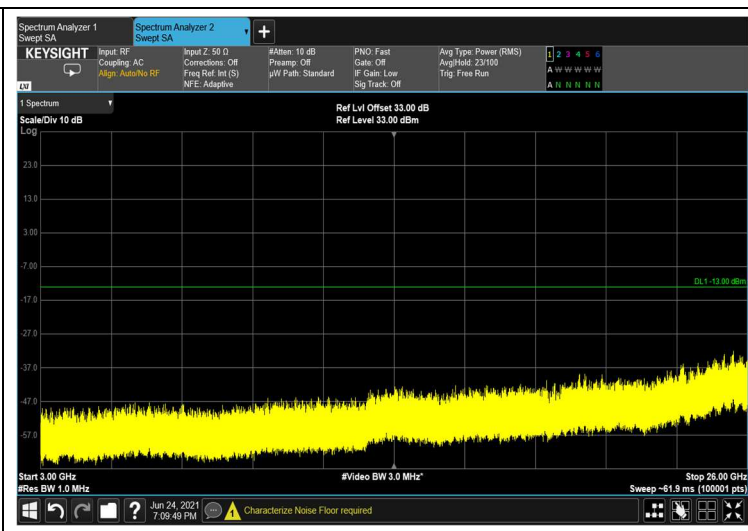
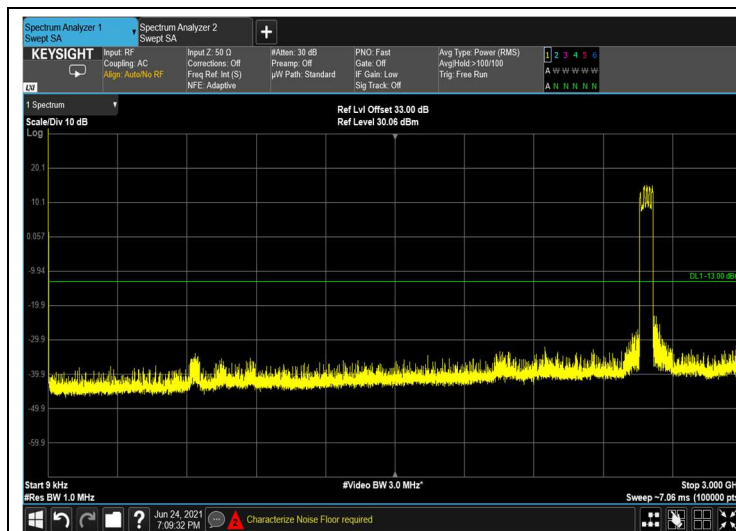


Figure 351: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 60MHz B.W.; 2593.0MHz, 30kHz



Spurious Emissions at Antenna Terminal 16QAM 60MHz B.W.; 2660.0MHz, 30kHz



Spurious Emissions at Antenna Terminal 16QAM 60MHz B.W.; 2526.0MHz, 60kHz



Figure 356: 9kHz-3GHz

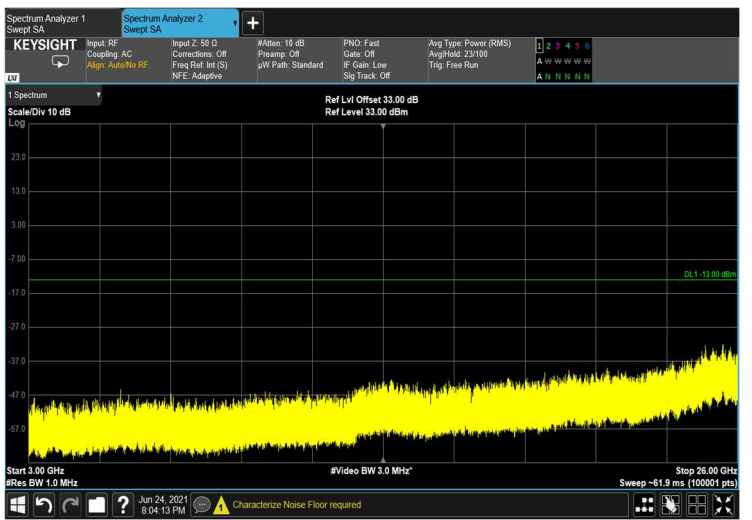


Figure 357: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 60MHz B.W.; 2593.0MHz, 60kHz

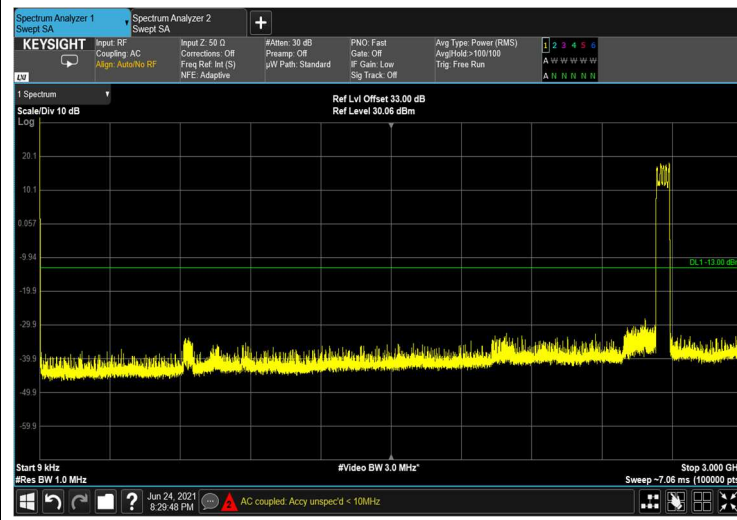


Figure 358: 9kHz-3GHz

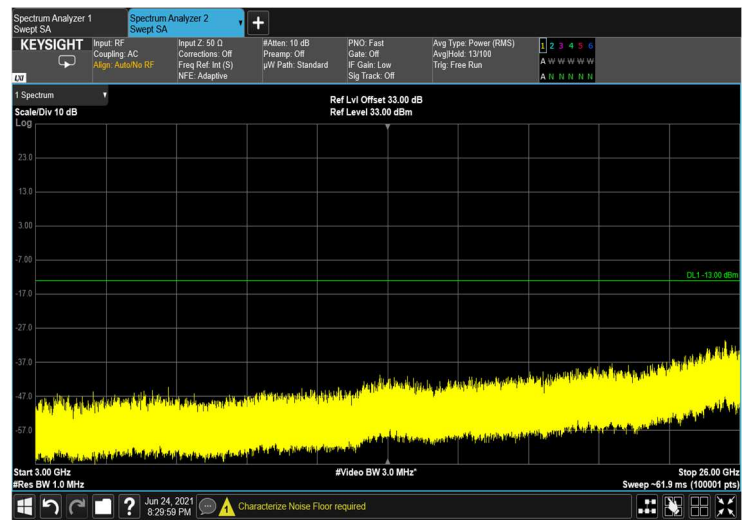


Figure 359: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 16QAM 60MHz B.W.; 2660.0MHz, 60kHz

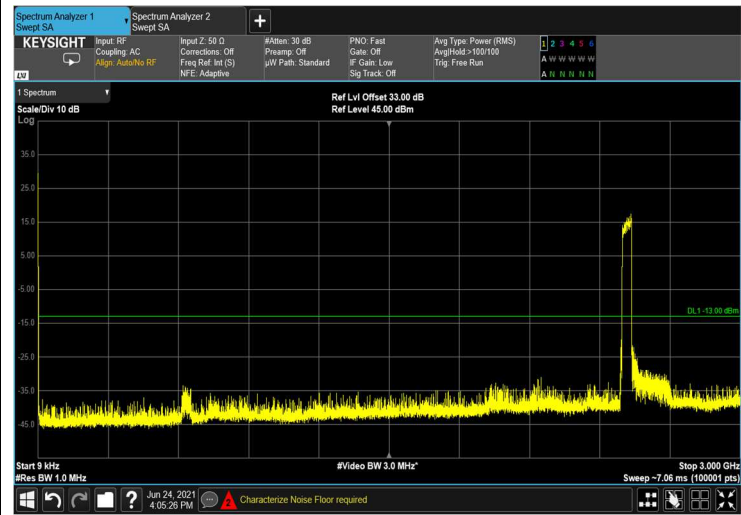


Figure 360: 9kHz-3GHz

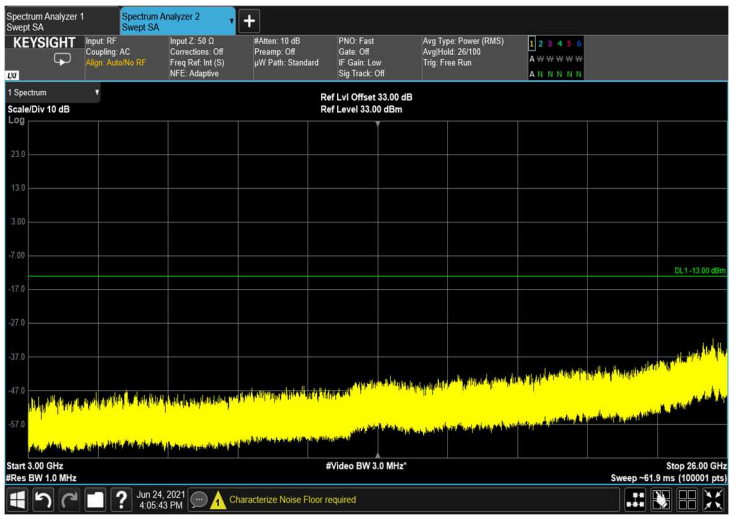


Figure 361: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 40MHz B.W.; 2516.0MHz, 15kHz

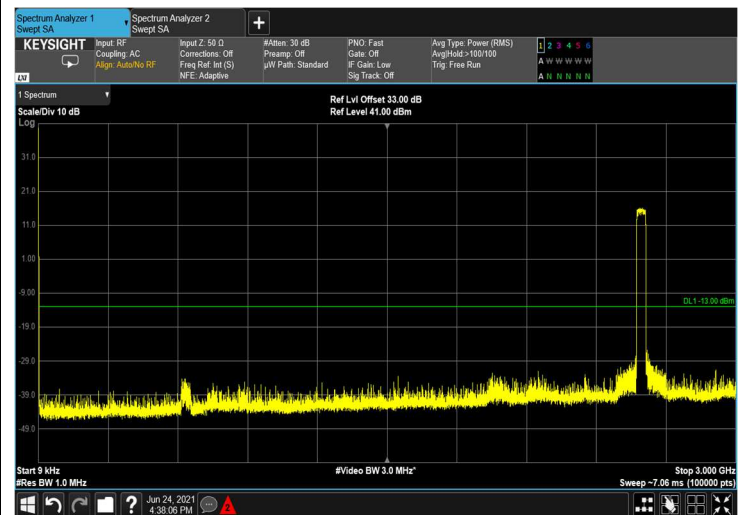


Figure 362: 9kHz-3GHz

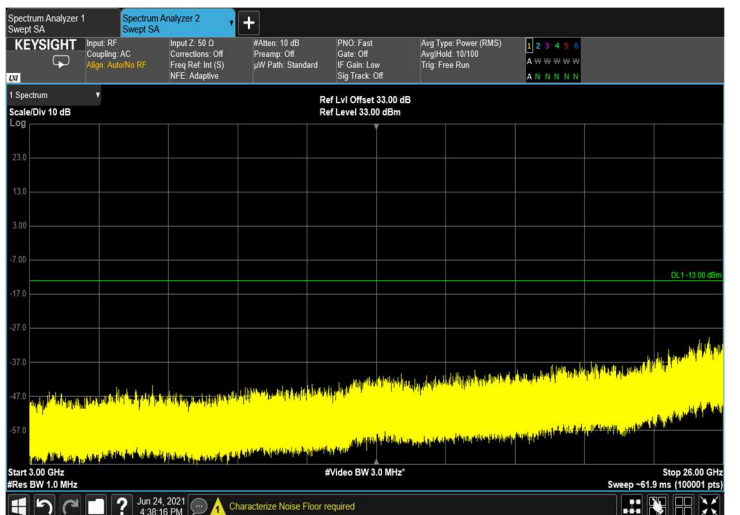


Figure 363: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 40MHz B.W.; 2593.0MHz, 15kHz

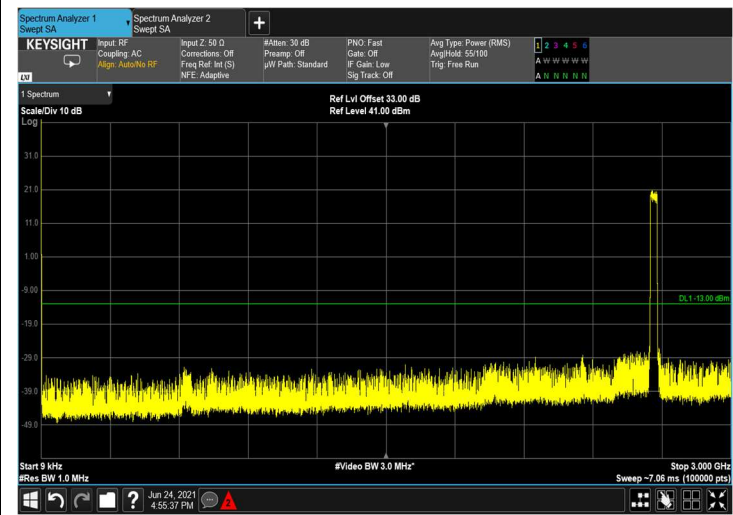


Figure 364: 9kHz-3GHz

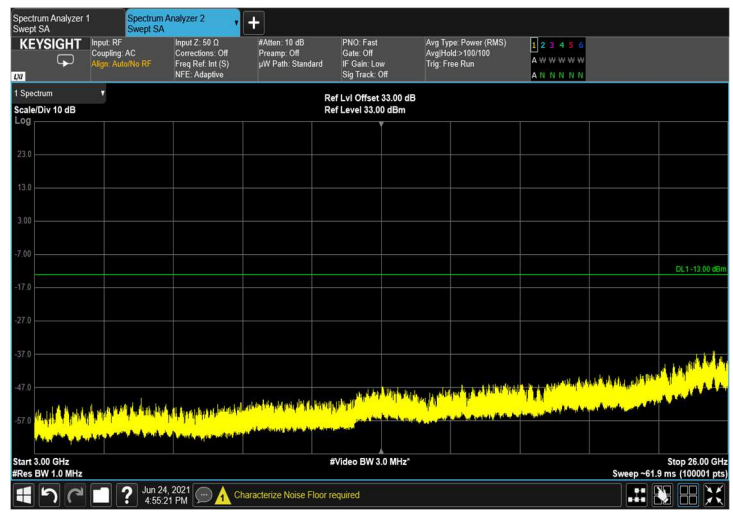


Figure 365: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 40MHz B.W.; 2670.0MHz, 15kHz

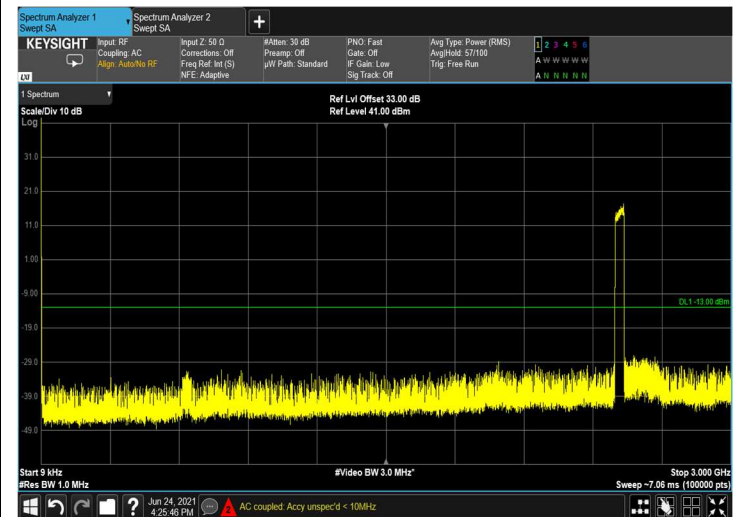


Figure 366: 9kHz-3GHz

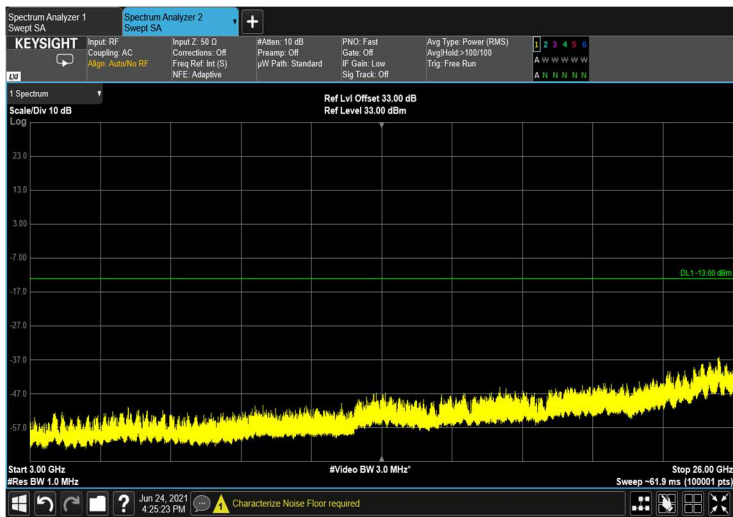
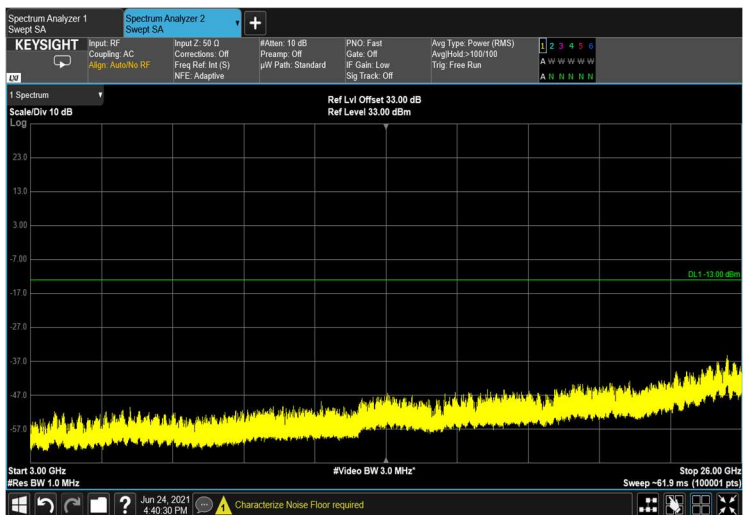
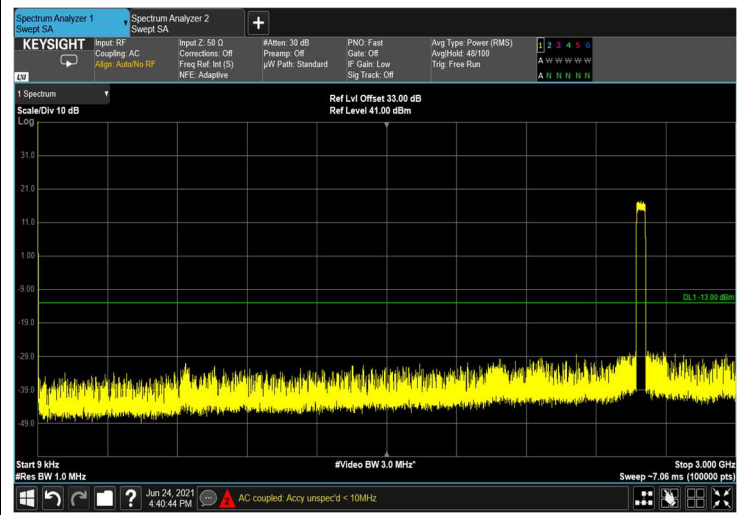
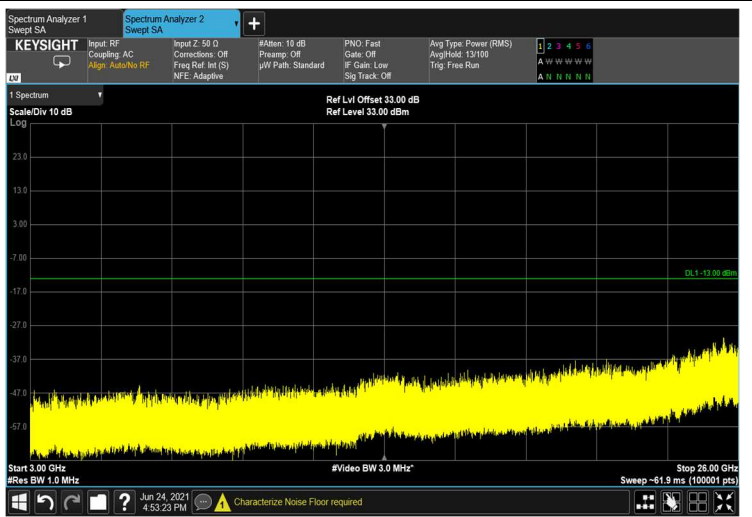
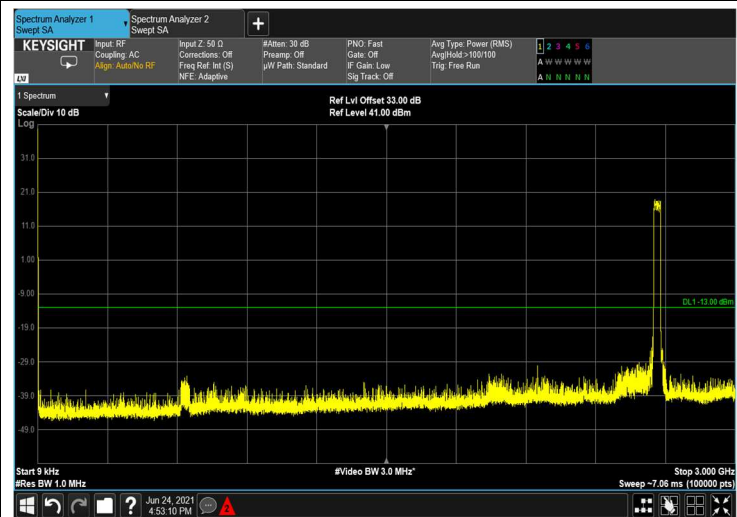


Figure 367: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 40MHz B.W.; 2516.0MHz, 30kHz



Spurious Emissions at Antenna Terminal 64QAM 40MHz B.W.; 2593.0MHz, 30kHz



Spurious Emissions at Antenna Terminal 64QAM 40MHz B.W.; 2670.0MHz, 30kHz

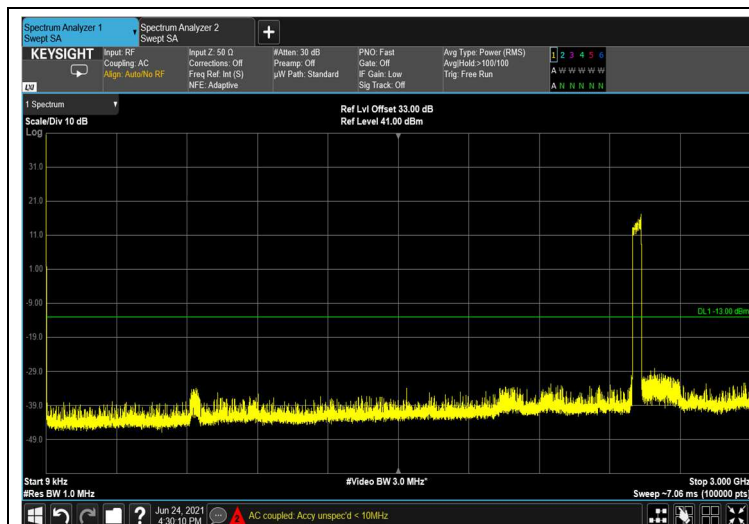


Figure 372: 9kHz-3GHz

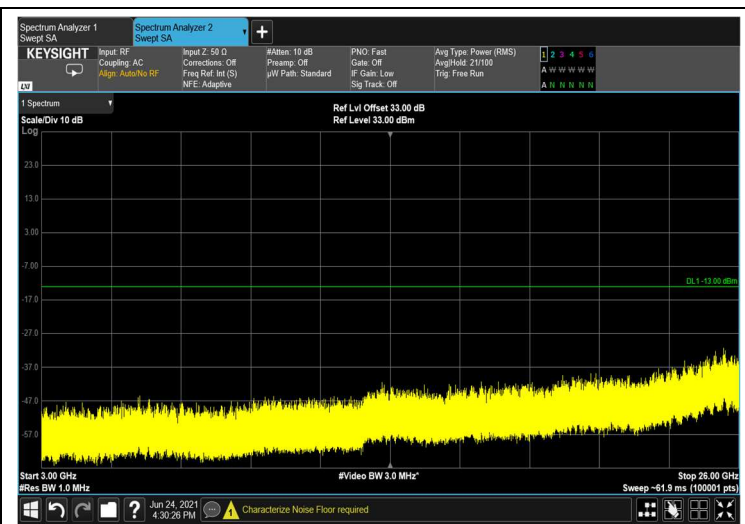


Figure 373: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 40MHz B.W.; 2516.0MHz, 60kHz

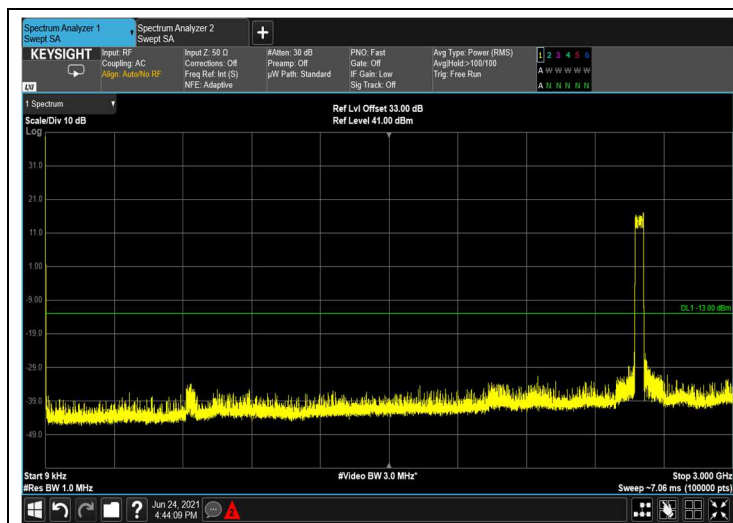


Figure 374: 9kHz-3GHz

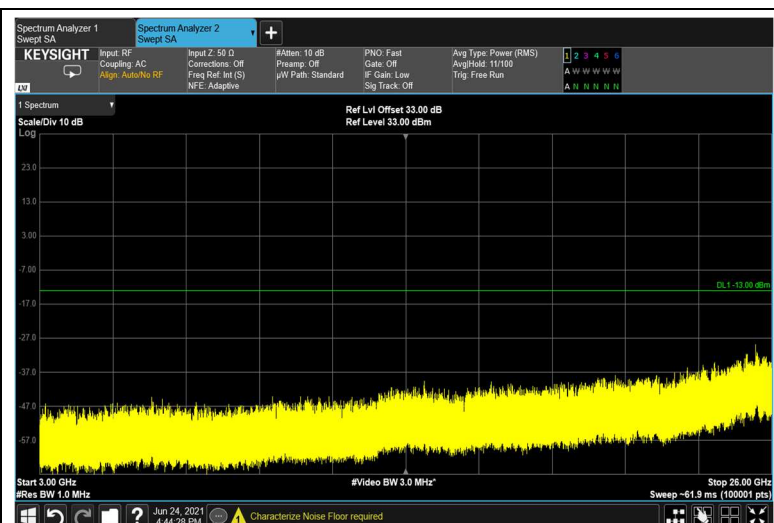


Figure 375: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 40MHz B.W.; 2593.0MHz, 60kHz

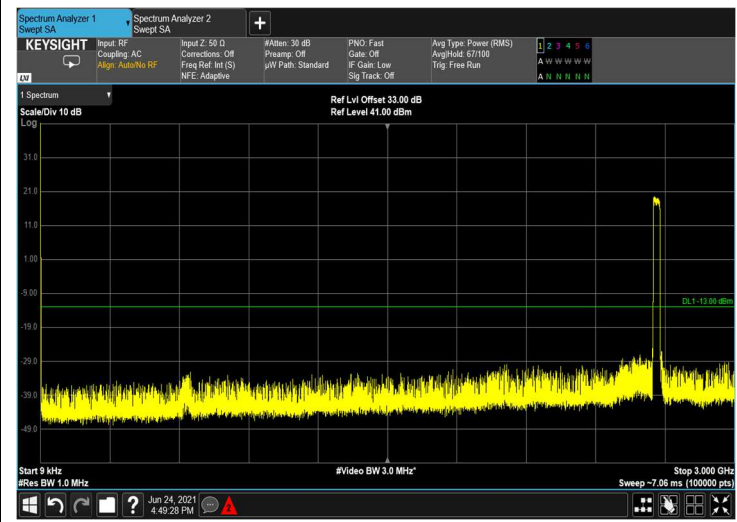


Figure 376: 9kHz-3GHz

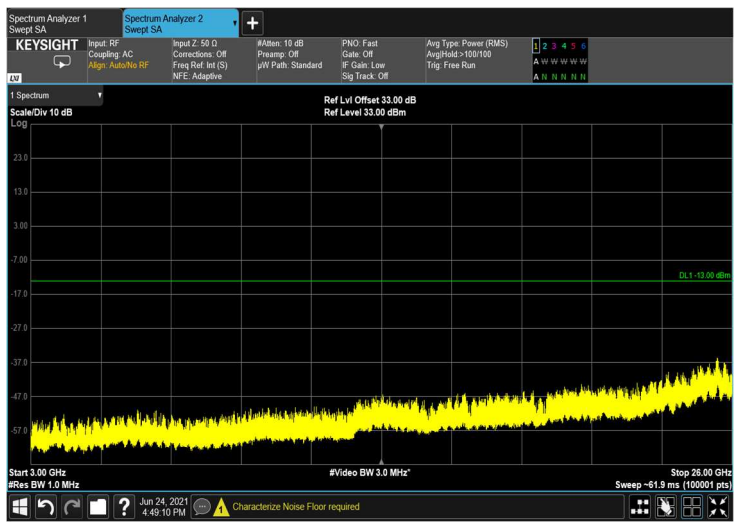


Figure 377: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 40MHz B.W.; 2670.0MHz, 60kHz

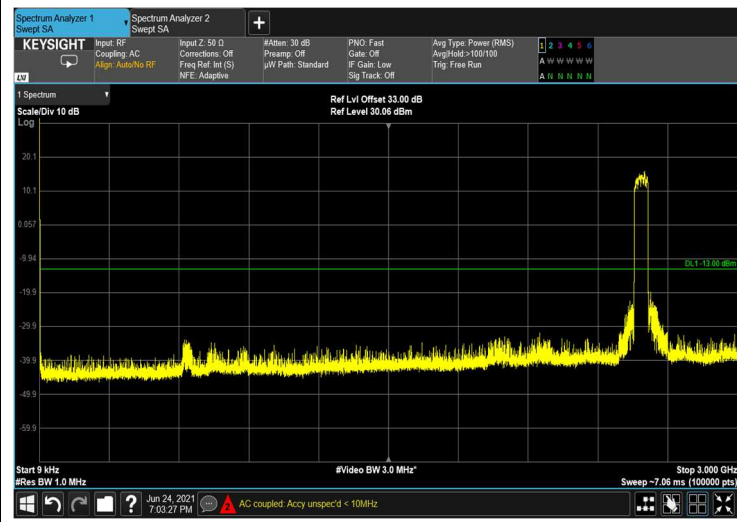


Figure 378: 9kHz-3GHz

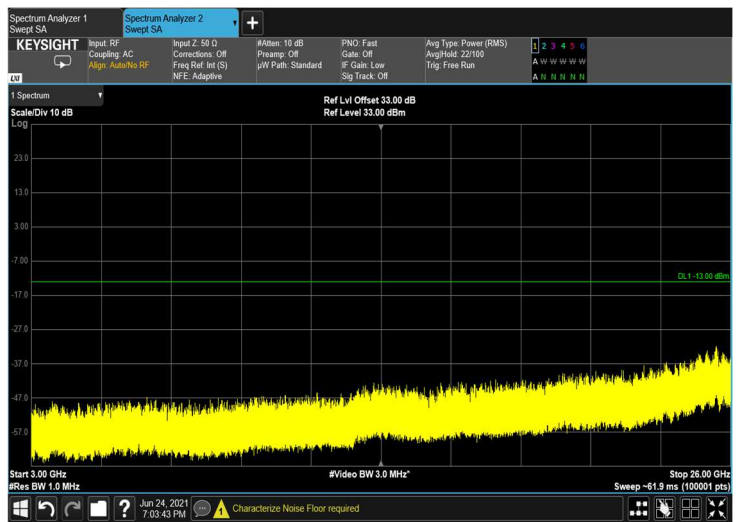


Figure 379: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 60MHz B.W.; 2526.0MHz, 30kHz

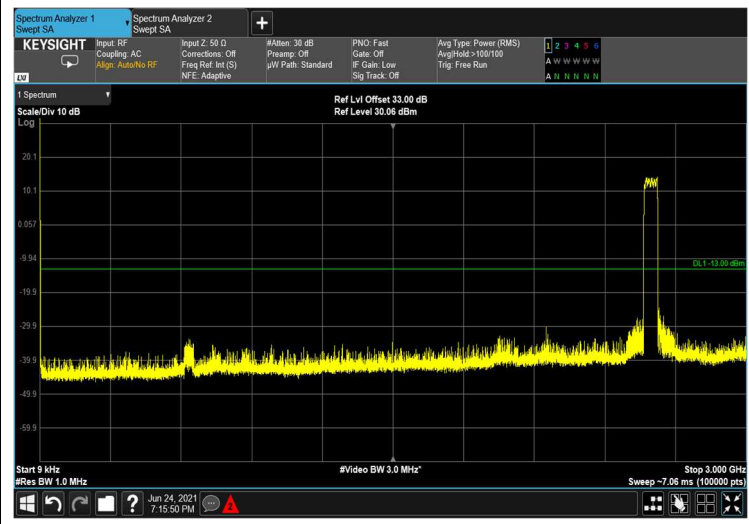


Figure 380: 9kHz-3GHz

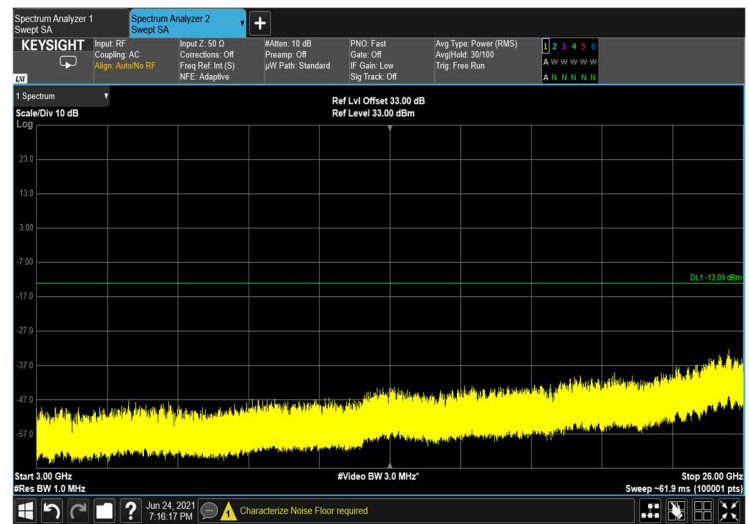


Figure 381: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 60MHz B.W.; 2593.0MHz, 30kHz

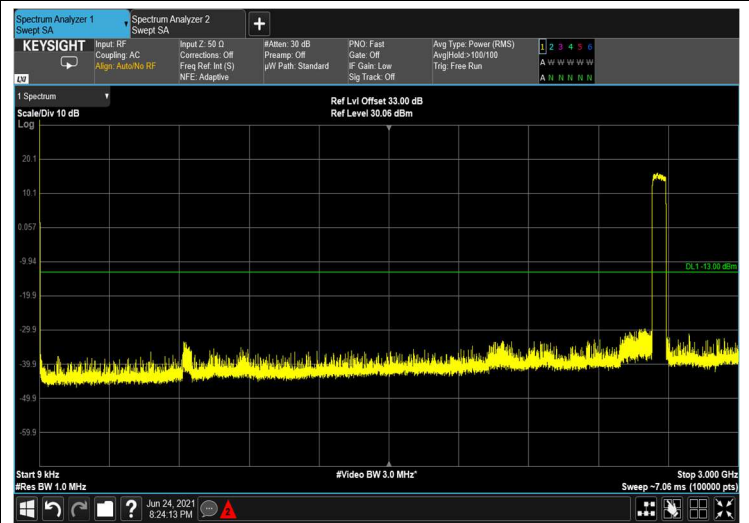


Figure 382: 9kHz-3GHz

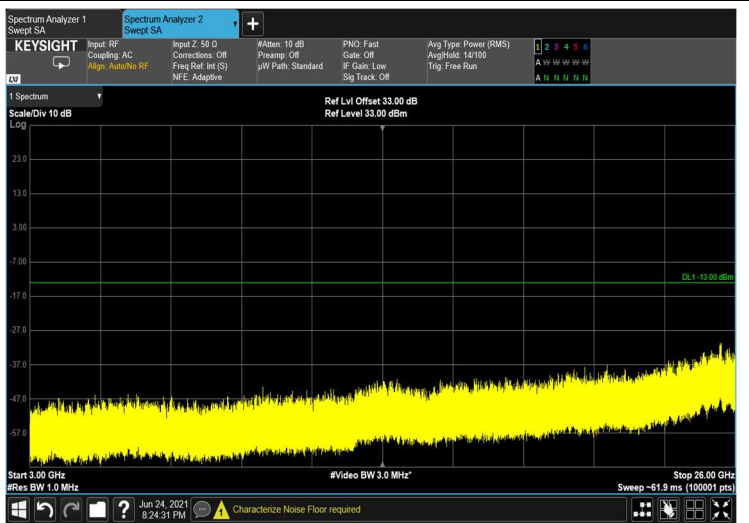


Figure 383: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 60MHz B.W.; 2660.0MHz, 30kHz



Figure 384: 9kHz-3GHz

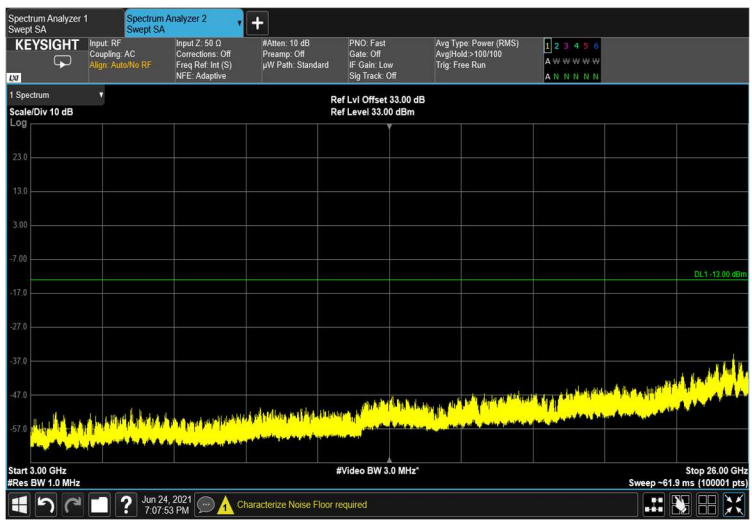


Figure 385: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 60MHz B.W.; 2526.0MHz, 60kHz

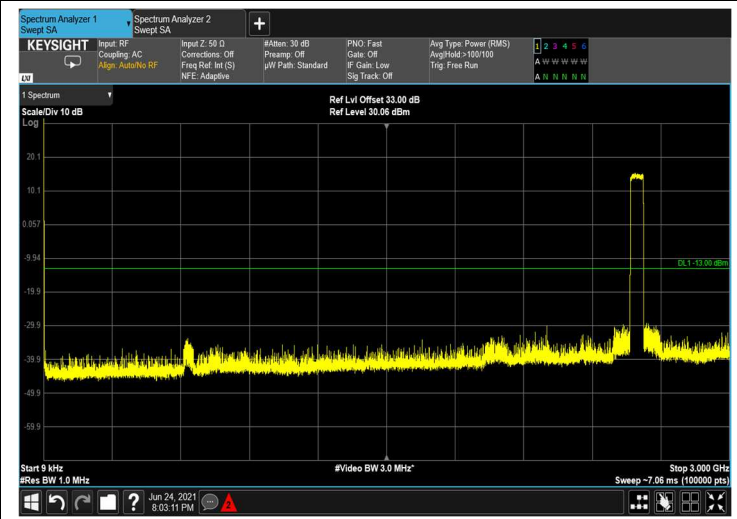


Figure 386: 9kHz-3GHz

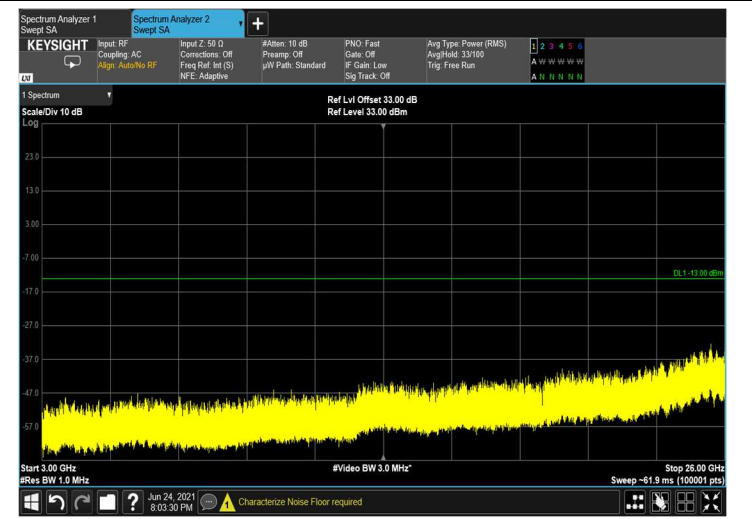


Figure 387: 3GHz-26GHz

Spurious Emissions at Antenna Terminal 64QAM 60MHz B.W.; 2593.0MHz, 60kHz