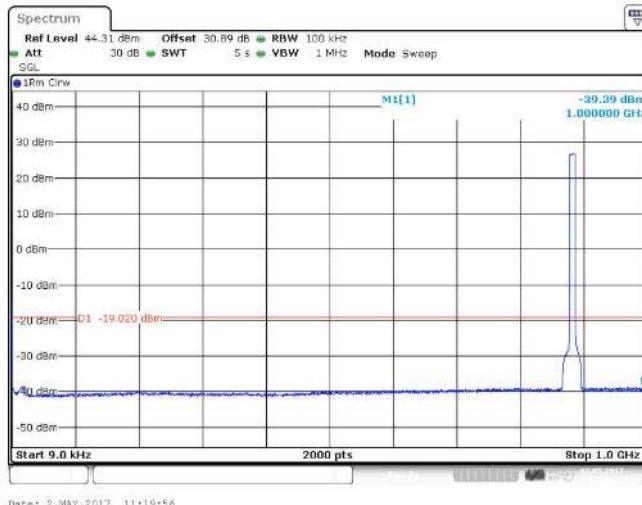




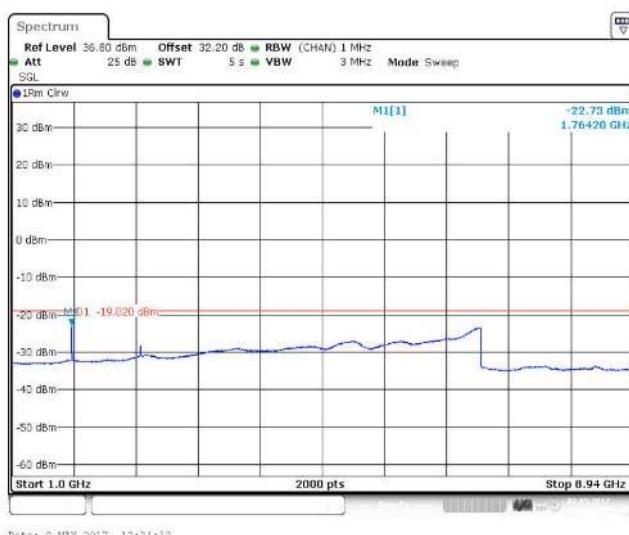
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 326 Spurious Emissions (9kHz – 1GHz) – QPSK (881.5 MHz, 5 MHz Channel BW)**



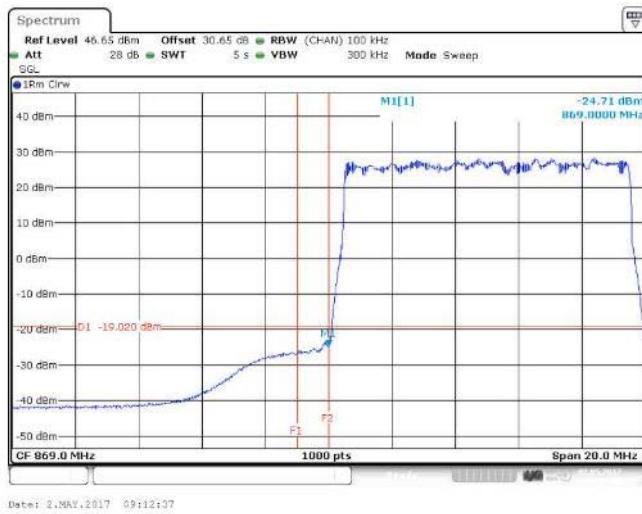
**Figure 327 Spurious Emissions (1 GHz – 8.94 GHz) – QPSK (881.5 MHz, 5 MHz Channel BW)**



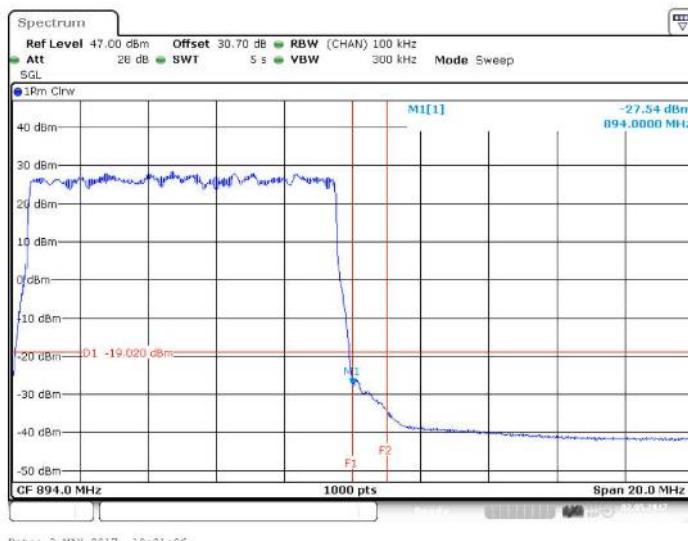
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 328 Spurious Emissions (Lower Band Edge) – 16QAM (874 MHz, 5 MHz Channel BW)**



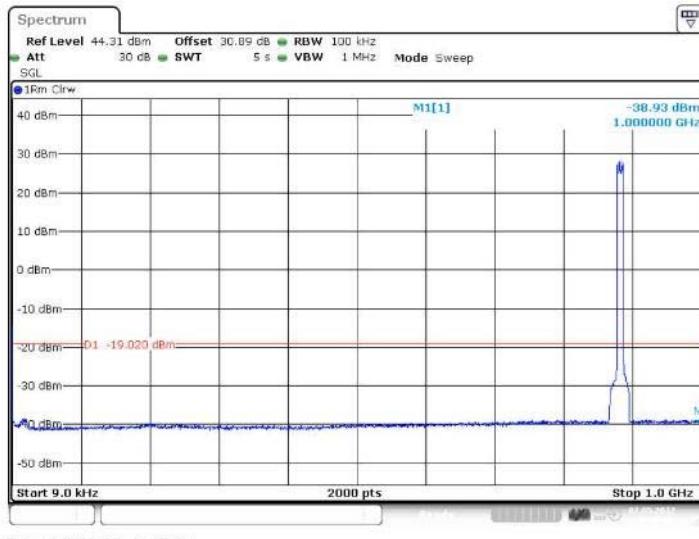
**Figure 329 Spurious Emissions (Upper Band Edge) 16QAM (889.0 MHz, 5 MHz Channel BW)**



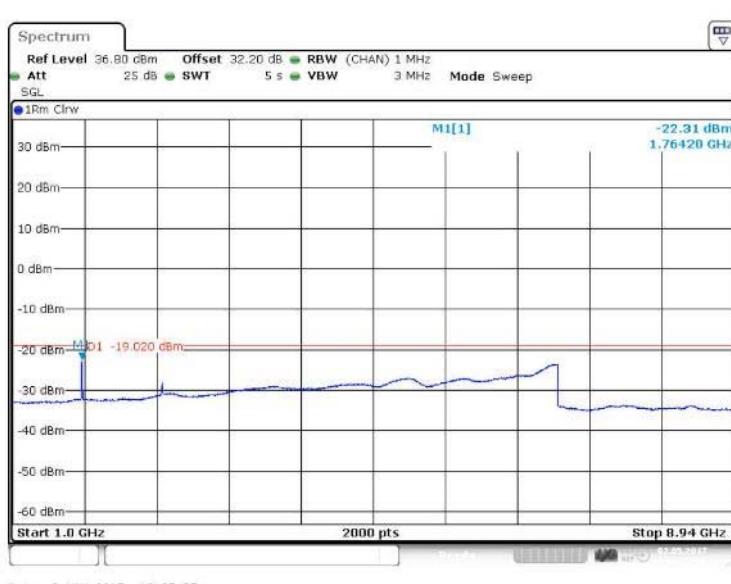
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 330 Spurious Emissions (9kHz – 1GHz) – 16QAM (881.5 MHz, 5 MHz Channel BW)**



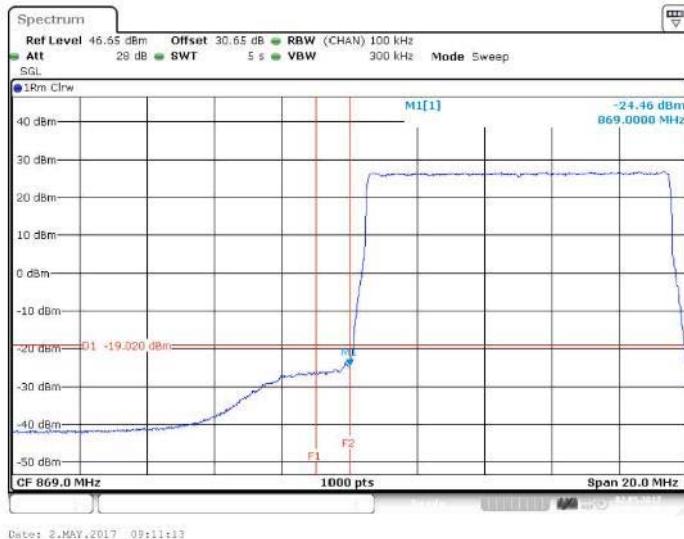
**Figure 331 Spurious Emissions (1 GHz – 8.94 GHz) – 16QAM (881.5 MHz, 5 MHz Channel BW)**



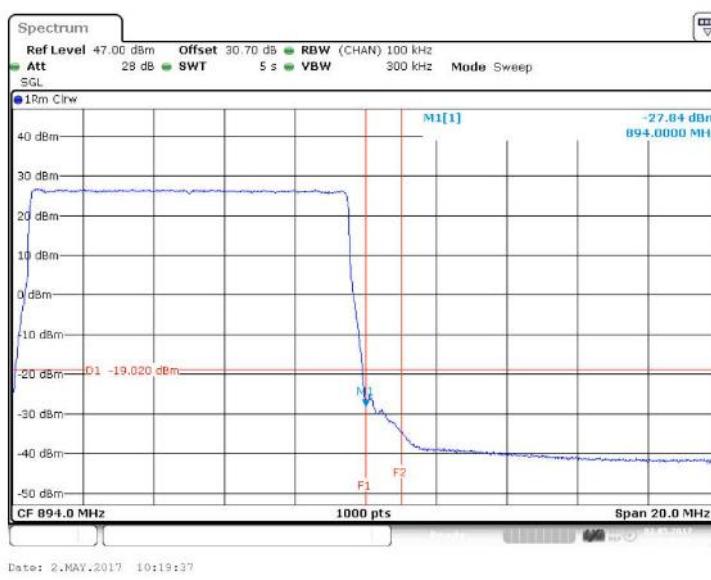
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 332 Spurious Emissions (Lower Band Edge) – 64QAM (874.0 MHz, 5 MHz Channel BW)**



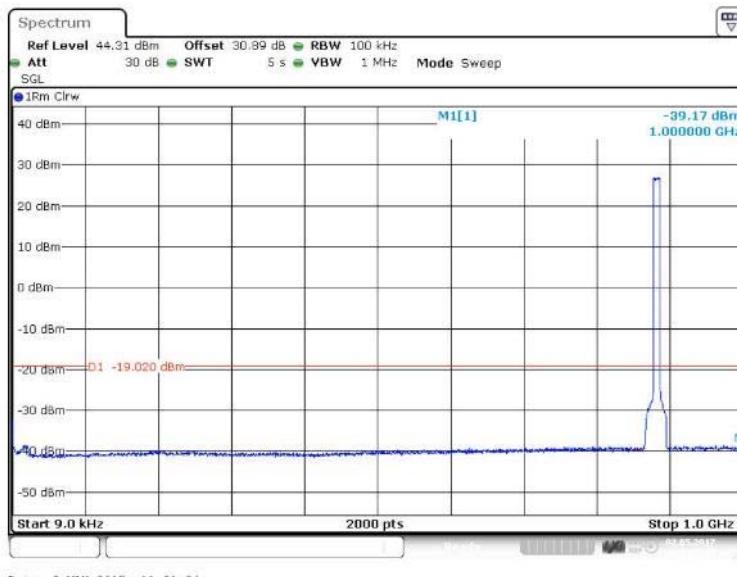
**Figure 333 Spurious Emissions (Upper Band Edge) – 64QAM (889.0 MHz, 5 MHz Channel BW)**



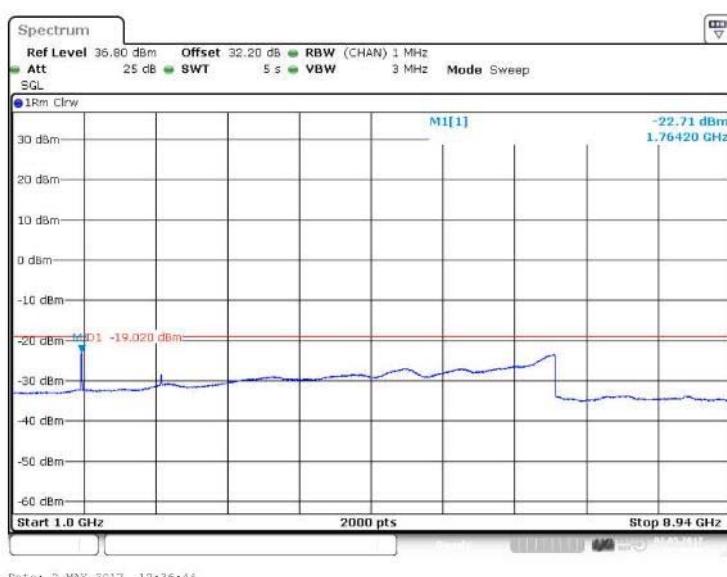
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 334 Spurious Emissions (9kHz – 1GHz) – 64QAM (881.5 MHz, 5 MHz Channel BW)**



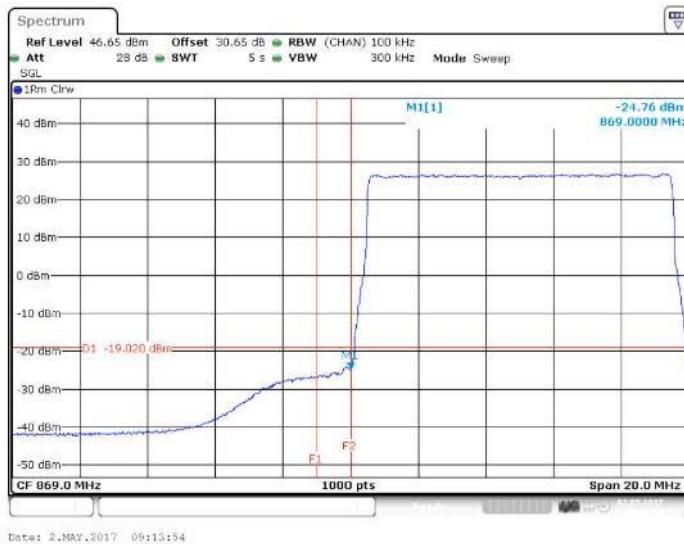
**Figure 335 Spurious Emissions (1 GHz – 8.94 GHz) 64QAM (881.5 MHz, 5 MHz Channel BW)**



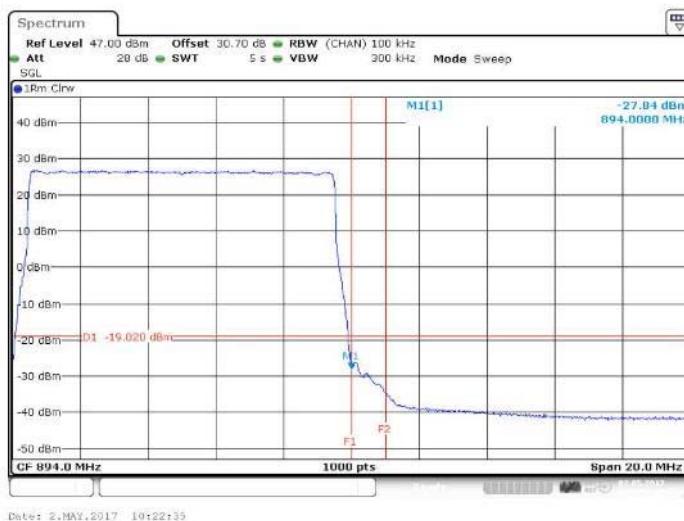
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 336 Spurious Emissions (Lower Band Edge) – 256QAM (874.0 MHz, 5 MHz Channel BW)**



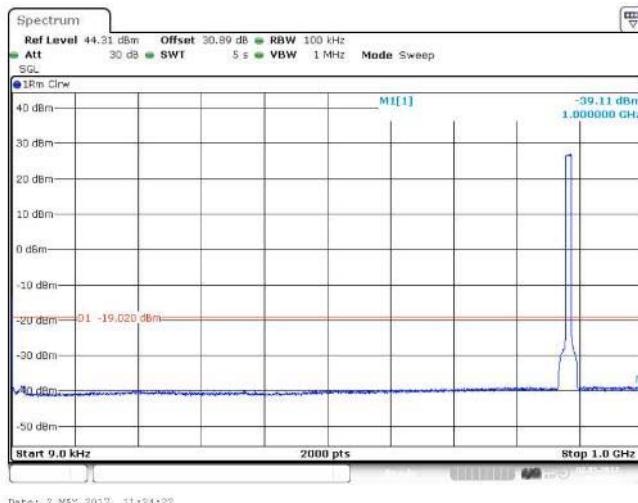
**Figure 337 Spurious Emissions (Upper Band Edge) – 256QAM (889.0 MHz, 5 MHz Channel BW)**



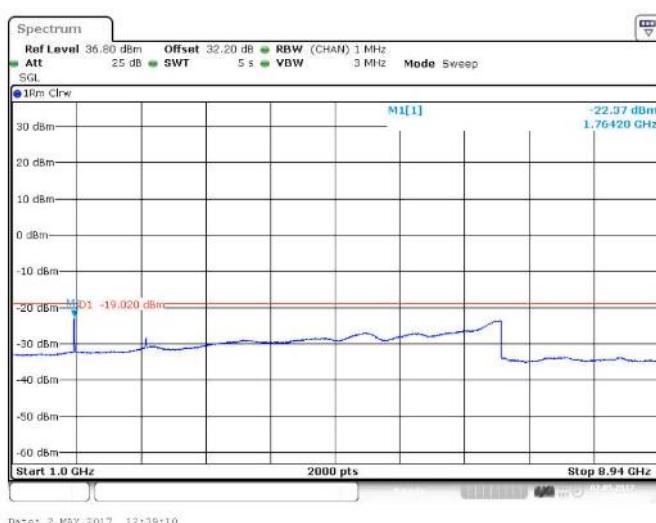
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 338 Spurious Emissions (9kHz – 1GHz) – 256QAM (881.5 MHz, 5 MHz Channel BW)**



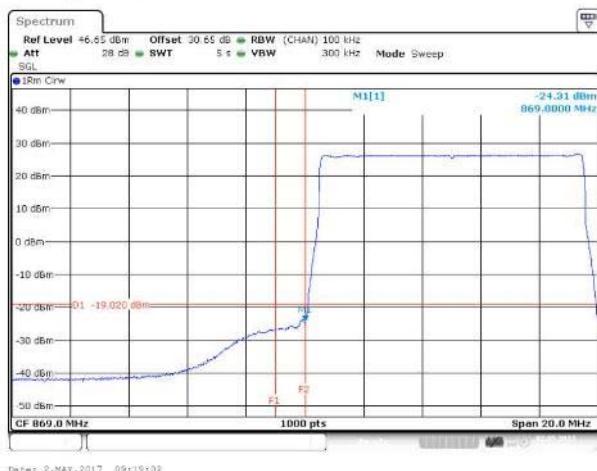
**Figure 339 Spurious Emissions (1 GHz – 8.94 GHz) – 256QAM (881.5 MHz, 5 MHz Channel BW)**



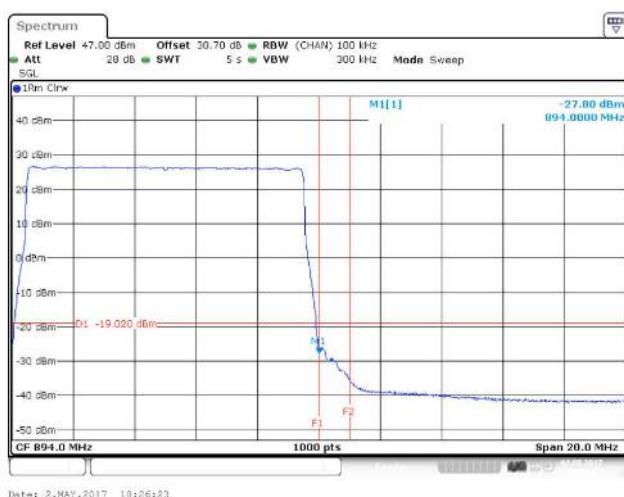
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736

**Config D ANT2:**

**Figure 340 Spurious Emissions (Lower Band Edge) – QPSK (874 MHz, 5 MHz Channel BW)**



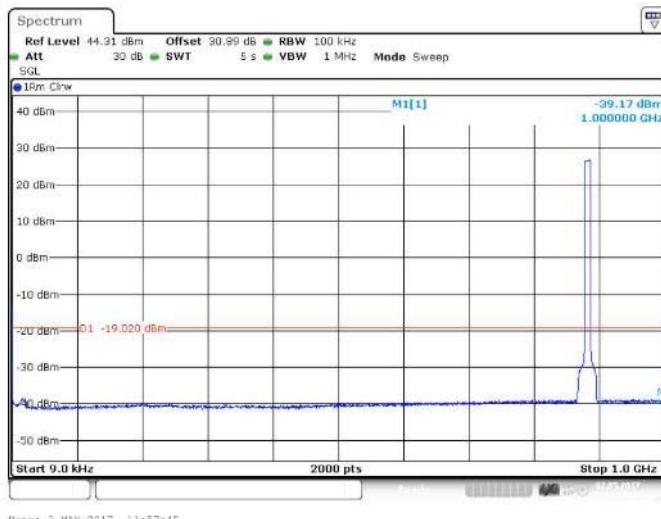
**Figure 341 Spurious Emissions (Upper Band Edge) – QPSK (889.0 MHz, 5 MHz Channel BW)**



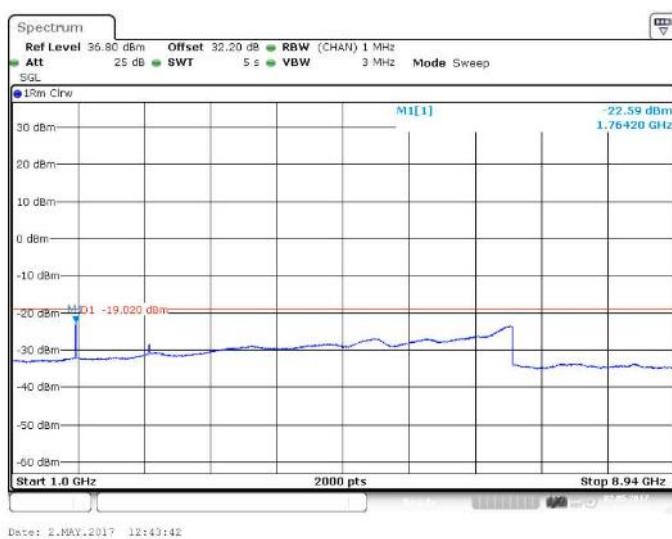
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 342 Spurious Emissions (9kHz – 1GHz) – QPSK (881.5 MHz, 5 MHz Channel BW)**



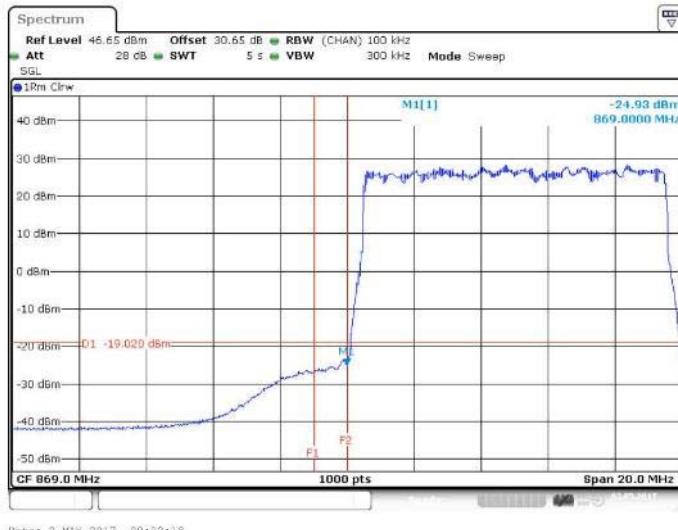
**Figure 343 Spurious Emissions (1 GHz – 8.94 GHz) – QPSK (881.5 MHz, 5 MHz Channel BW)**



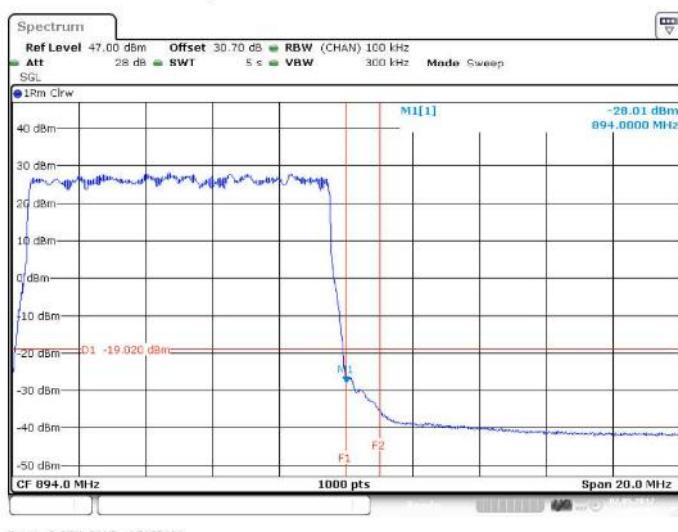
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 344 Spurious Emissions (Lower Band Edge) – 16QAM (874 MHz, 5 MHz Channel BW)**



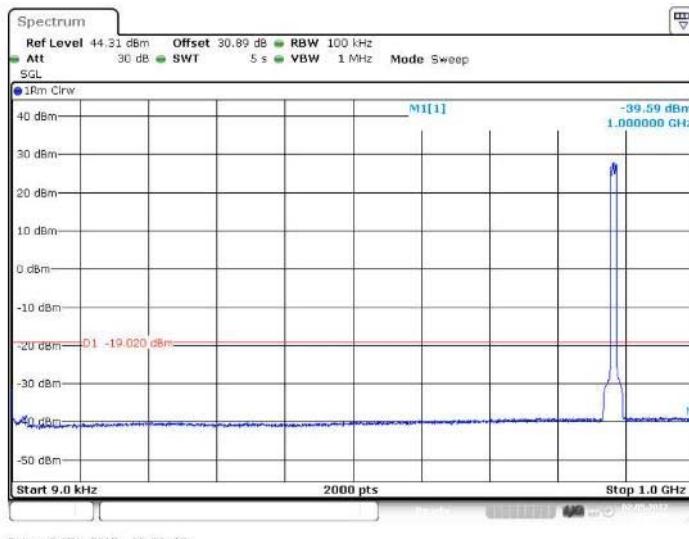
**Figure 345 Spurious Emissions (Upper Band Edge) 16QAM (889.0 MHz, 5 MHz Channel BW)**



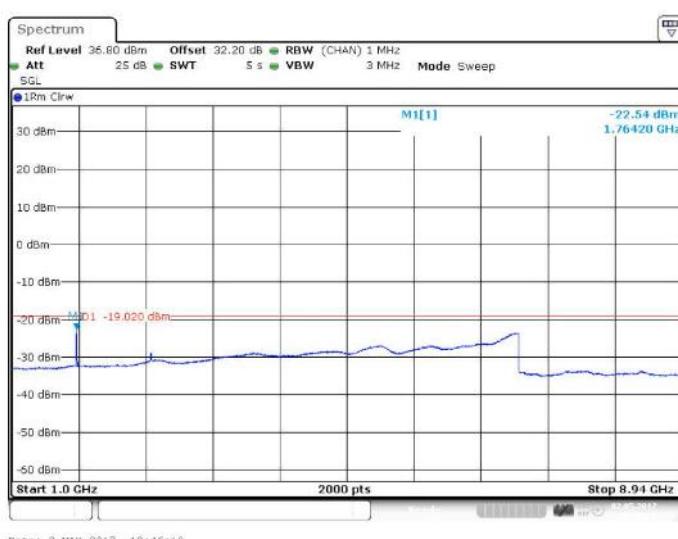
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 346 Spurious Emissions (9kHz – 1GHz) – 16QAM (881.5 MHz, 5 MHz Channel BW)**



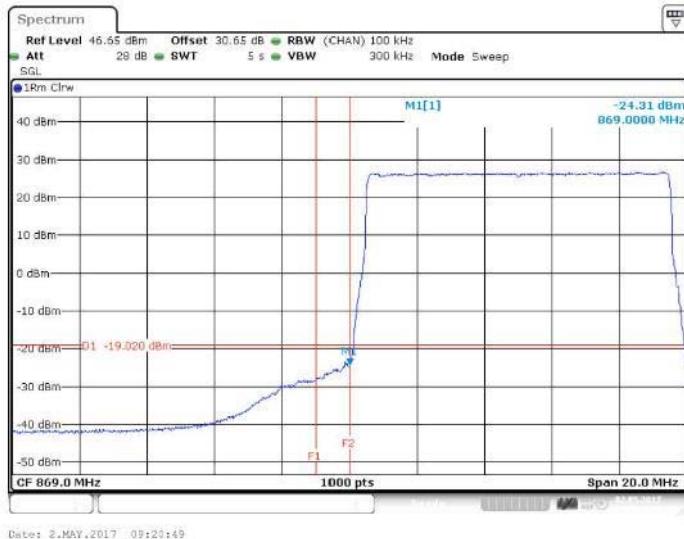
**Figure 347 Spurious Emissions (1 GHz – 8.94 GHz) – 16QAM (881.5 MHz, 5 MHz Channel BW)**



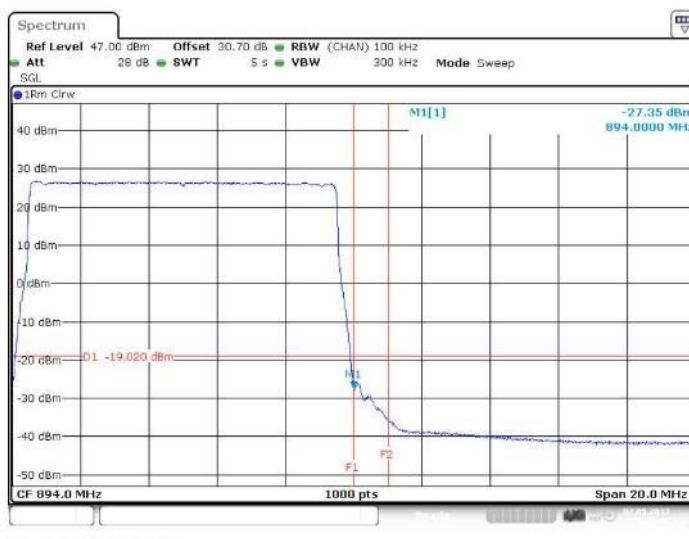
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 348 Spurious Emissions (Lower Band Edge) – 64QAM (874.0 MHz, 5 MHz Channel BW)**



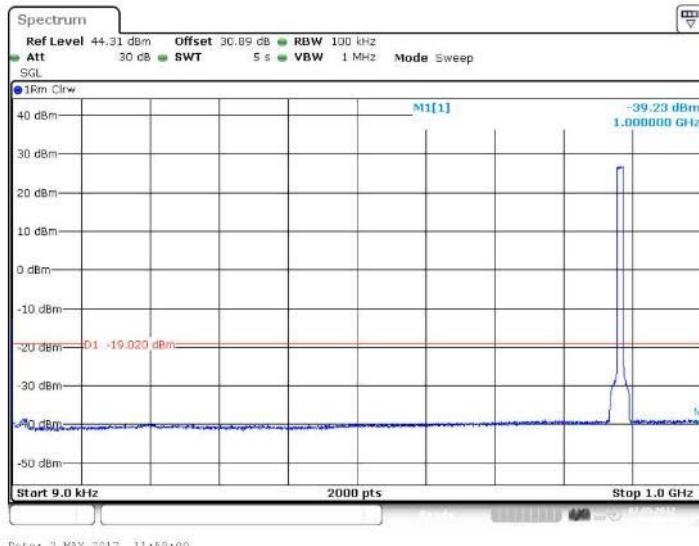
**Figure 349 Spurious Emissions (Upper Band Edge) – 64QAM (889.0 MHz, 5 MHz Channel BW)**



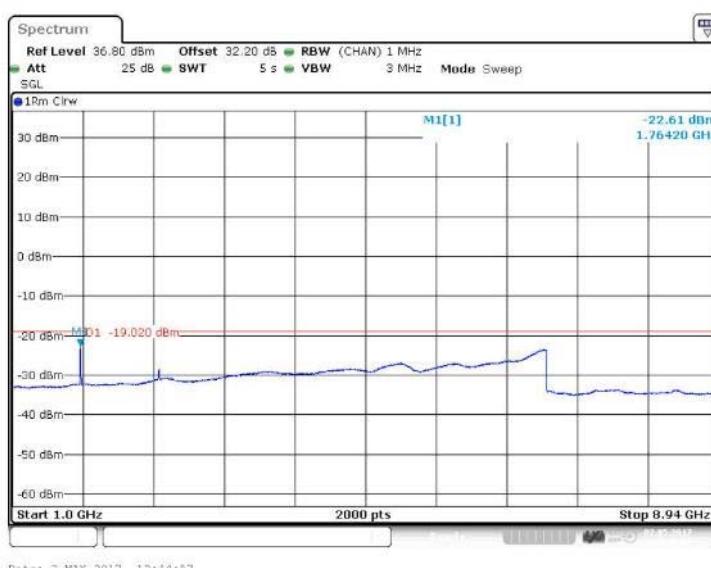
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 350 Spurious Emissions (9kHz – 1GHz) – 64QAM (881.5 MHz, 5 MHz Channel BW)**



**Figure 351 Spurious Emissions (1 GHz – 8.94 GHz) 64QAM (881.5 MHz, 5 MHz Channel BW)**



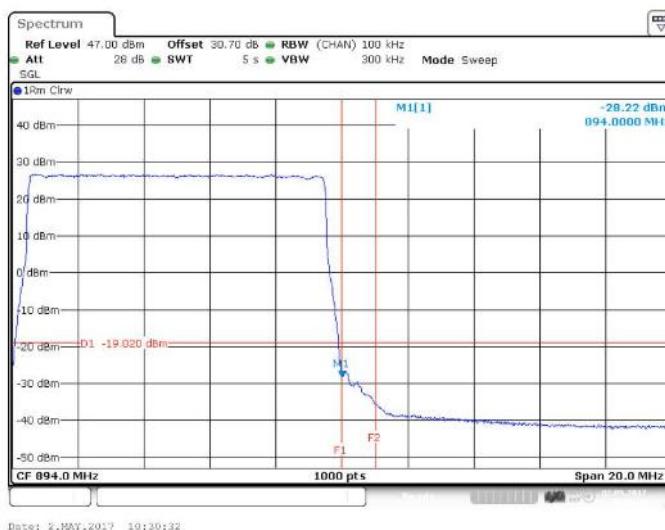
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 352 Spurious Emissions (Lower Band Edge) – 256QAM (874.0 MHz, 5 MHz Channel BW)**



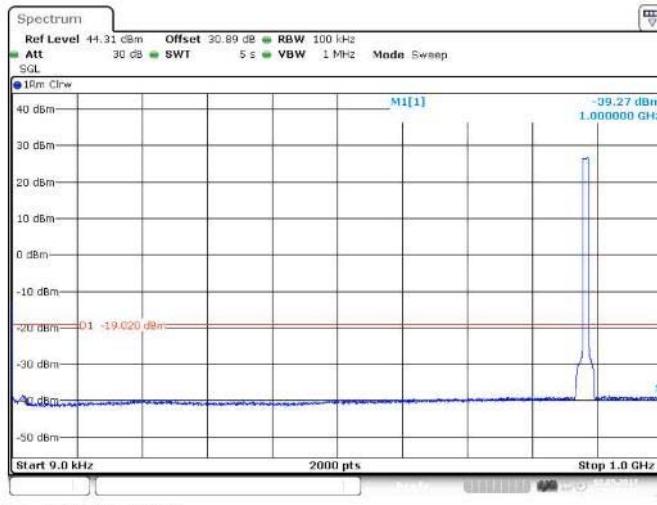
**Figure 353 Spurious Emissions (Upper Band Edge) – 256QAM (889.0 MHz, 5 MHz Channel BW)**



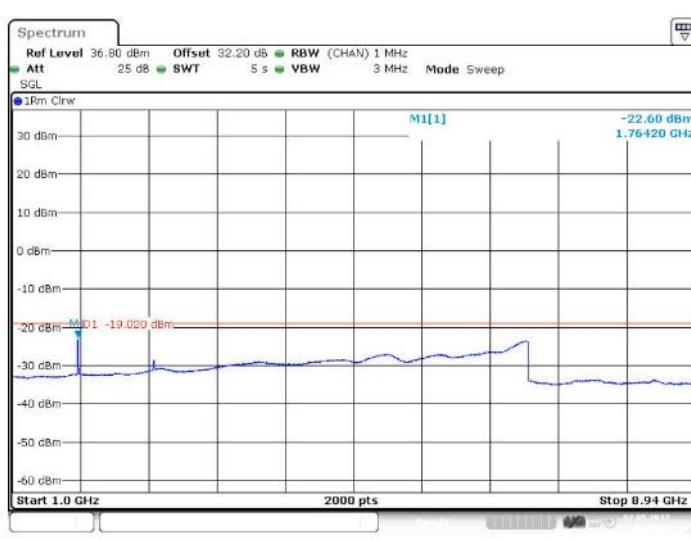
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 354 Spurious Emissions (9kHz – 1GHz) – 256QAM (881.5 MHz, 5 MHz Channel BW)**



**Figure 355 Spurious Emissions (1 GHz – 8.94 GHz) – 256QAM (881.5 MHz, 5 MHz Channel BW)**

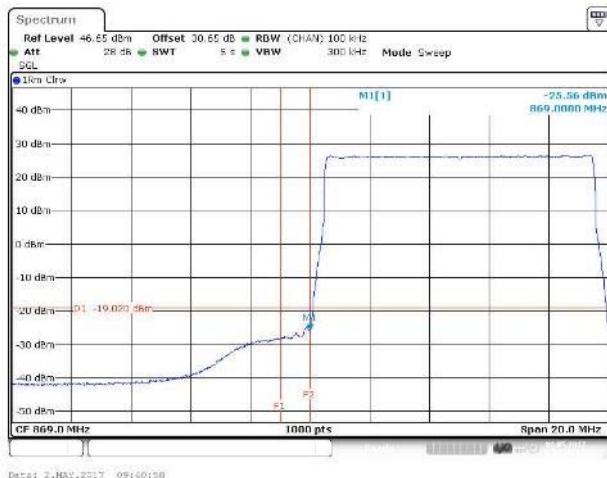
**Config D ANT3:**



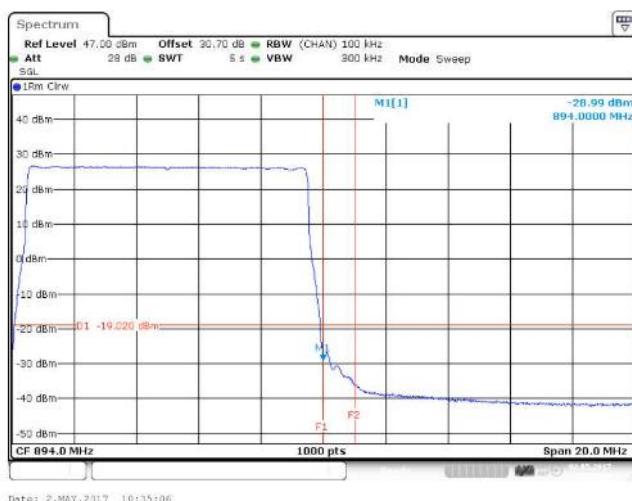
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 356 Spurious Emissions (Lower Band Edge) – QPSK (874 MHz, 5 MHz Channel BW)**



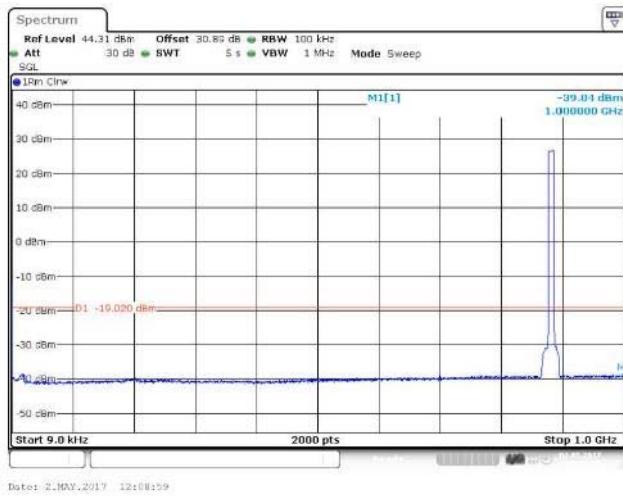
**Figure 357 Spurious Emissions (Upper Band Edge) – QPSK (889.0 MHz, 5 MHz Channel BW)**



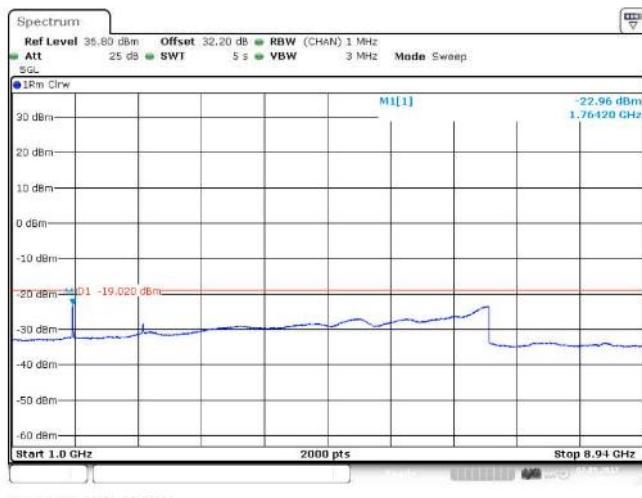
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 358 Spurious Emissions (9kHz – 1GHz) – QPSK (881.5 MHz, 5 MHz Channel BW)**



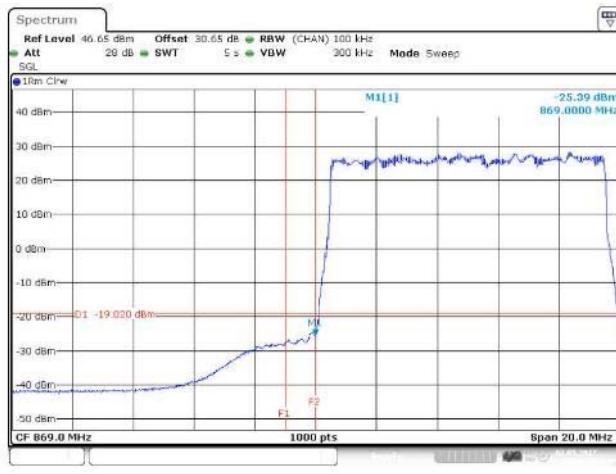
**Figure 359 Spurious Emissions (1 GHz – 8.94 GHz) – QPSK (881.5 MHz, 5 MHz Channel BW)**



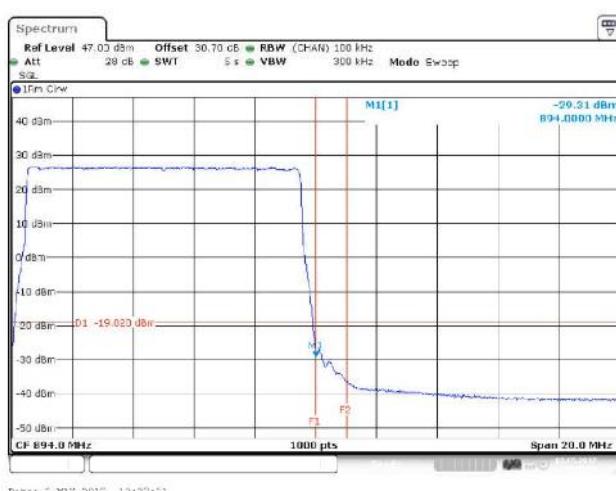
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 360 Spurious Emissions (Lower Band Edge) – 16QAM (874 MHz, 5 MHz Channel BW)**



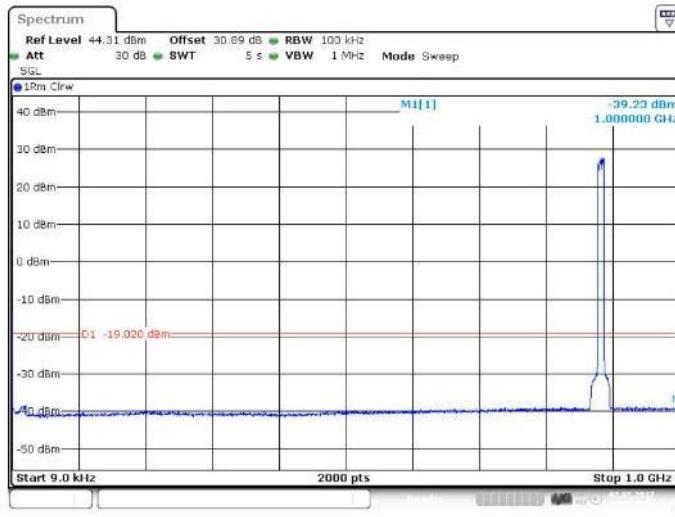
**Figure 361 Spurious Emissions (Upper Band Edge) 16QAM (889.0 MHz, 5 MHz Channel BW)**



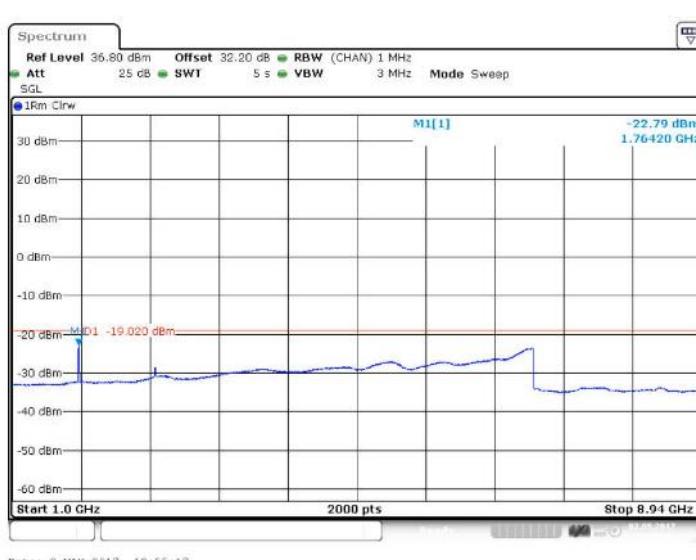
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 362 Spurious Emissions (9kHz – 1GHz) – 16QAM (881.5 MHz, 5 MHz Channel BW)**



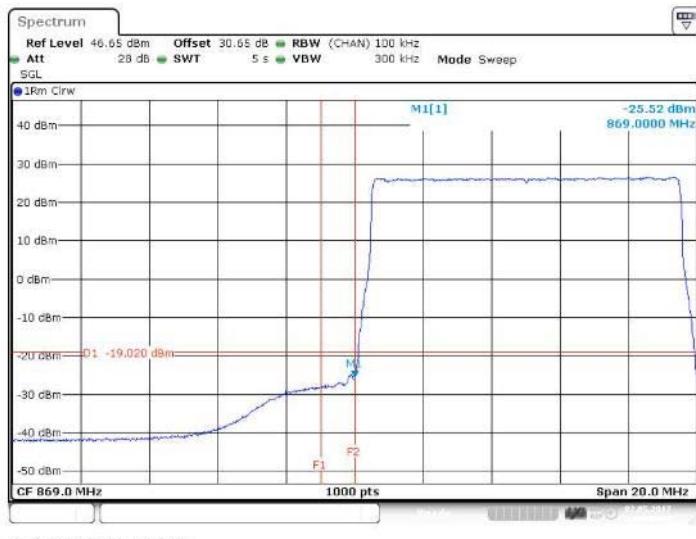
**Figure 363 Spurious Emissions (1 GHz – 8.94 GHz) – 16QAM (881.5 MHz, 5 MHz Channel BW)**



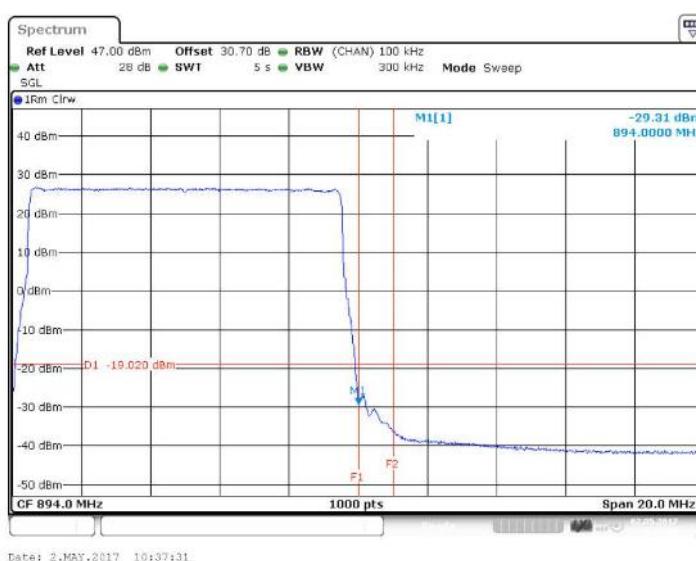
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 364 Spurious Emissions (Lower Band Edge) – 64QAM (874.0 MHz, 5 MHz Channel BW)**



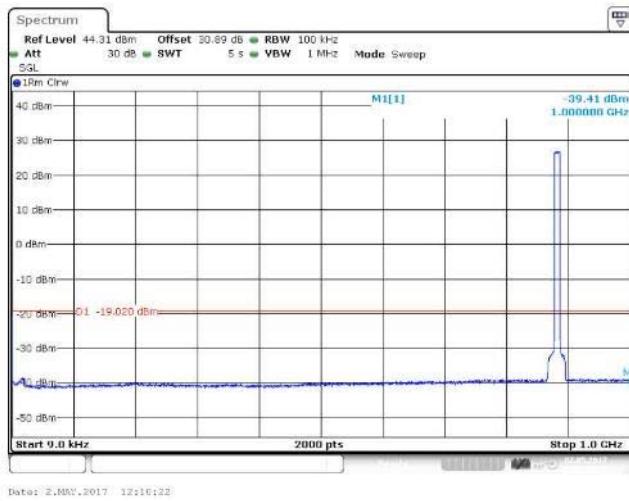
**Figure 365 Spurious Emissions (Upper Band Edge) – 64QAM (889.0 MHz, 5 MHz Channel BW)**



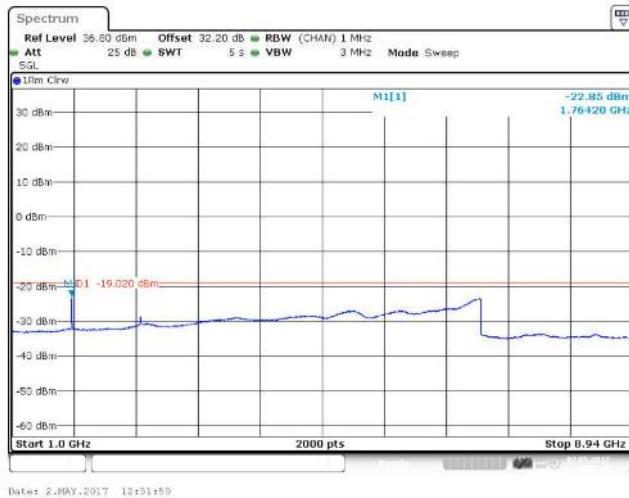
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 366 Spurious Emissions (9kHz – 1GHz) – 64QAM (881.5 MHz, 5 MHz Channel BW)**



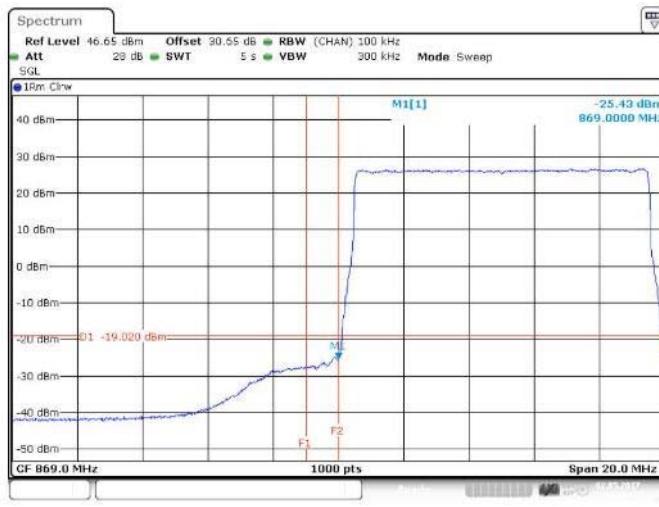
**Figure 367 Spurious Emissions (1 GHz – 8.94 GHz) 64QAM (881.5 MHz, 5 MHz Channel BW)**



Product Service

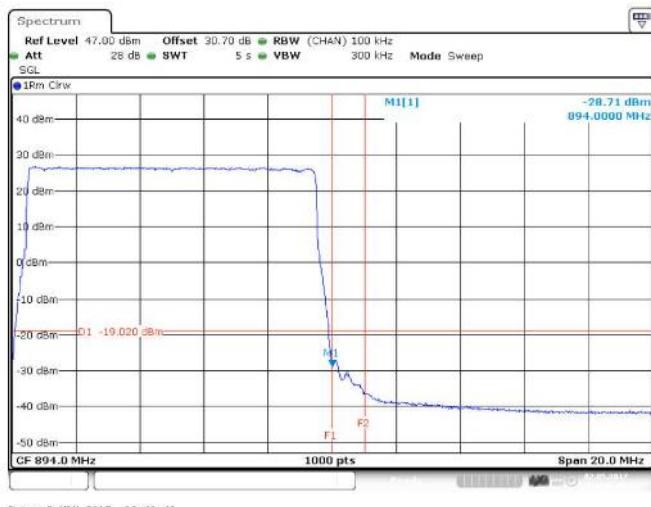
FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



Date: 2.MAY.2017 09:48:13

**Figure 368 Spurious Emissions (Lower Band Edge) – 256QAM (874.0 MHz, 5 MHz Channel BW)**



Date: 2.MAY.2017 10:43:41

**Figure 369 Spurious Emissions (Upper Band Edge) – 256QAM (889.0 MHz, 5 MHz Channel BW)**

FCC 47 CFR part 22  
(2016)

23. May 2017

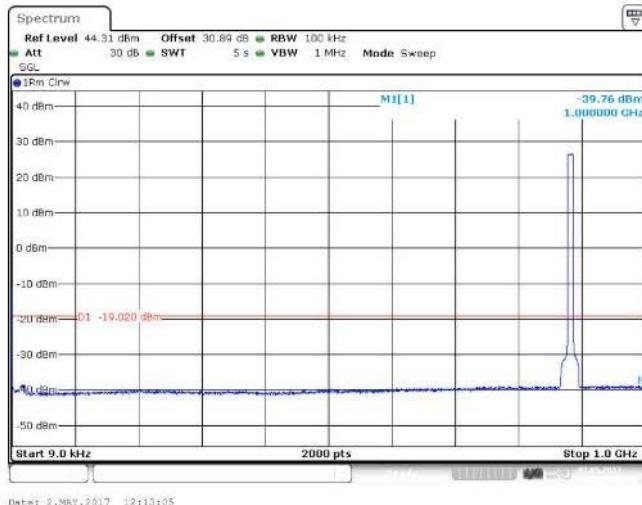
Page 275 of 427



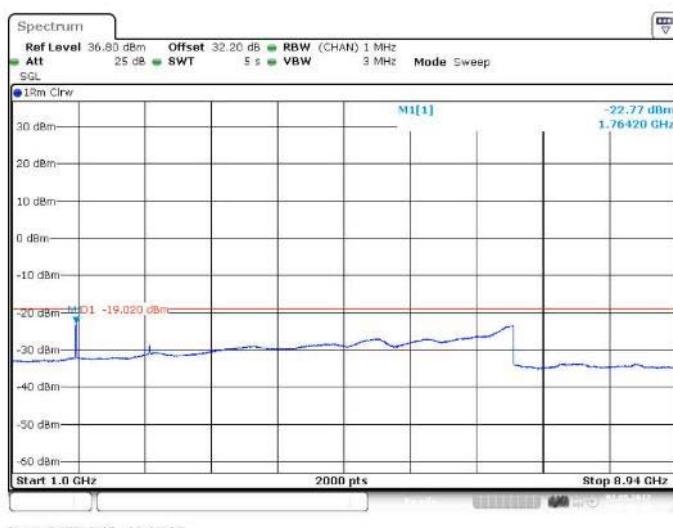
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 370 Spurious Emissions (9kHz – 1GHz) – 256QAM (881.5 MHz, 5 MHz Channel BW)**



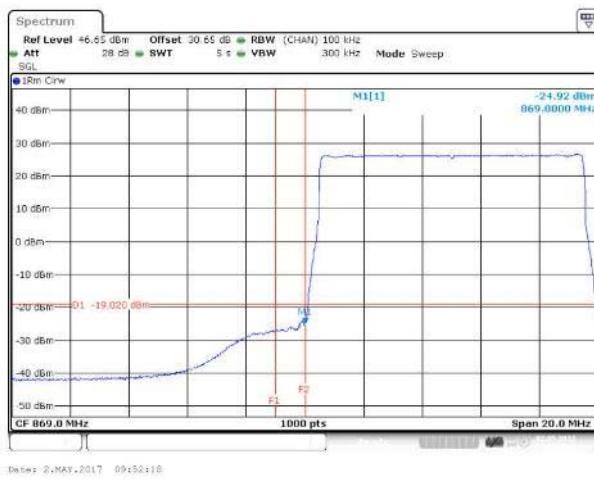
**Figure 371 Spurious Emissions (1 GHz – 8.94 GHz) – 256QAM (881.5 MHz, 5 MHz Channel BW)**



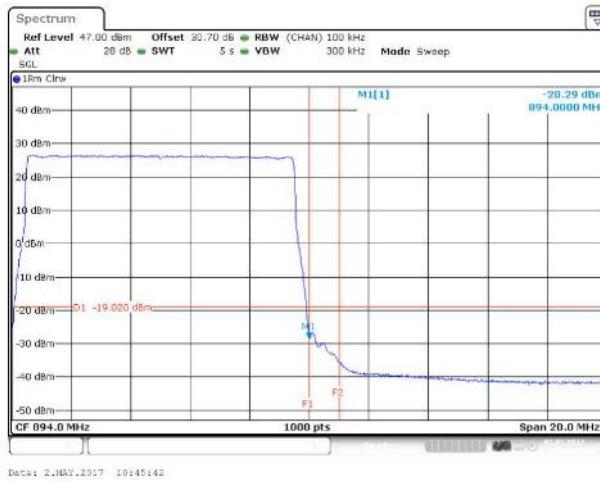
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736

**Config D ANT4:**

**Figure 372 Spurious Emissions (Lower Band Edge) – QPSK (874 MHz, 5 MHz Channel BW)**



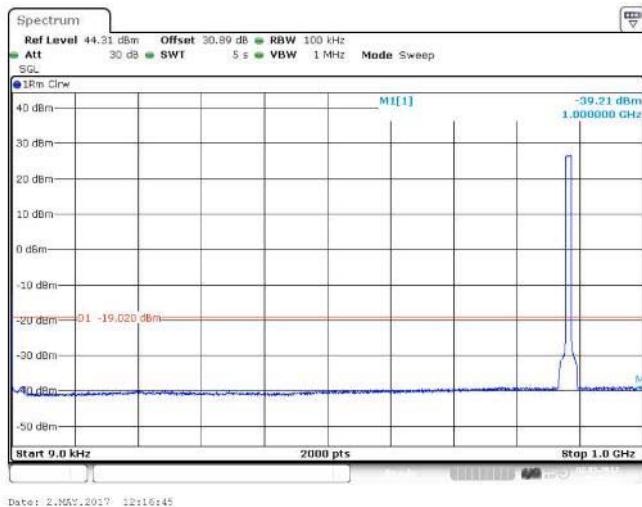
**Figure 373 Spurious Emissions (Upper Band Edge) – QPSK (889.0 MHz, 5 MHz Channel BW)**



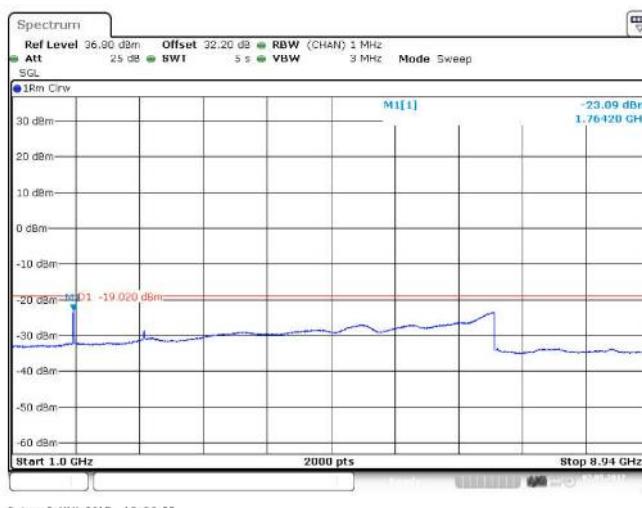
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 374 Spurious Emissions (9kHz – 1GHz) – QPSK (881.5 MHz, 5 MHz Channel BW)**



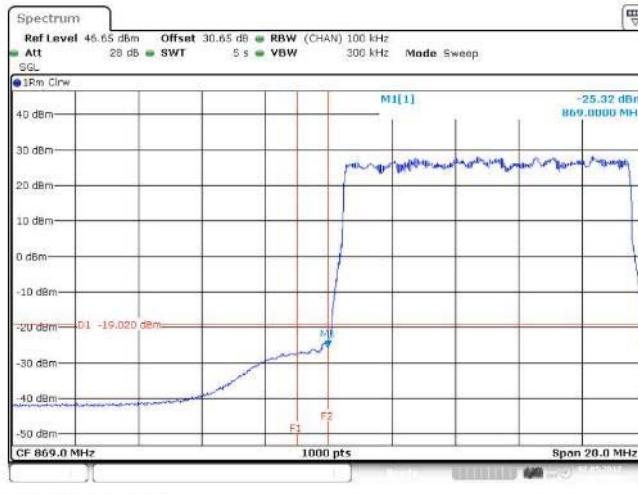
**Figure 375 Spurious Emissions (1 GHz – 8.94 GHz) – QPSK (881.5 MHz, 5 MHz Channel BW)**



Product Service

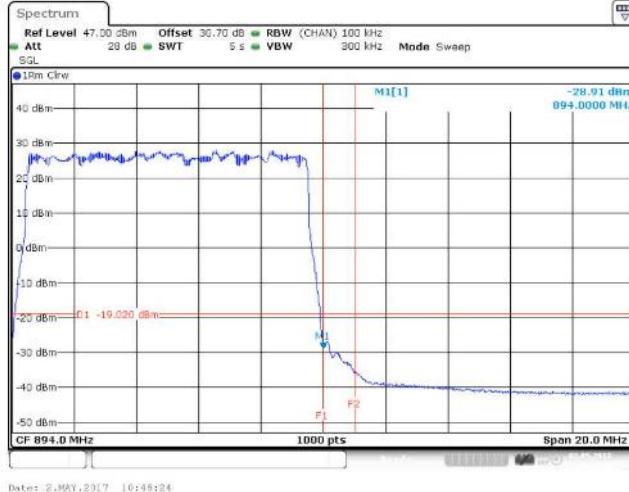
FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



Date: 2.MAY.2017 09:56:54

**Figure 376 Spurious Emissions (Lower Band Edge) – 16QAM (874 MHz, 5 MHz Channel BW)**



Date: 2.MAY.2017 10:46:26

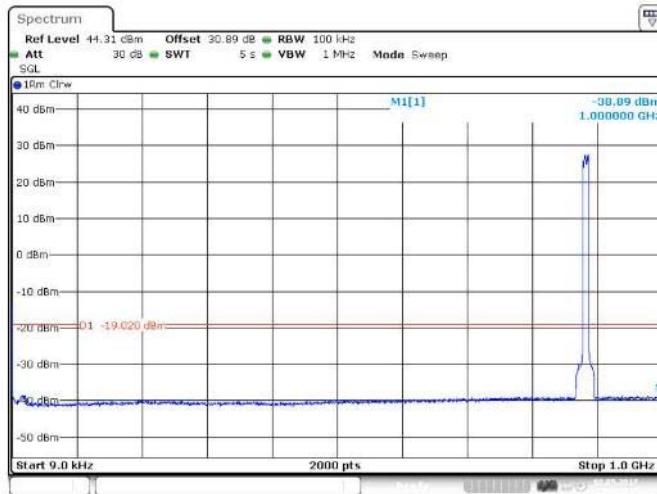
**Figure 377 Spurious Emissions (Upper Band Edge) 16QAM (889.0 MHz, 5 MHz Channel BW)**



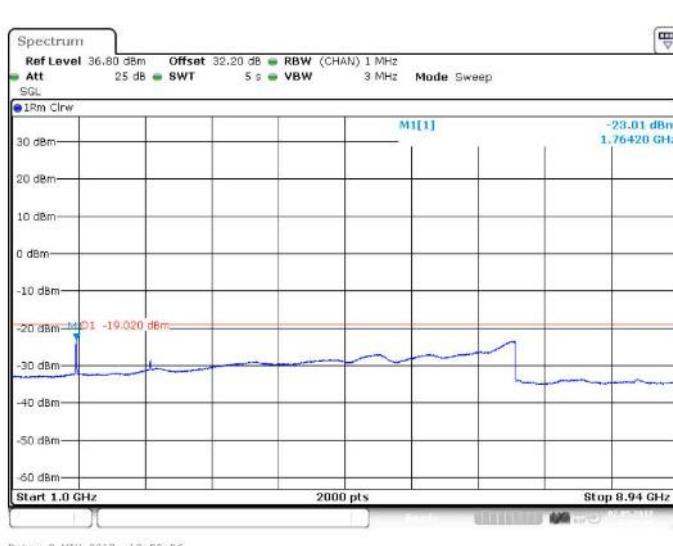
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 378 Spurious Emissions (9kHz – 1GHz) – 16QAM (881.5 MHz, 5 MHz Channel BW)**



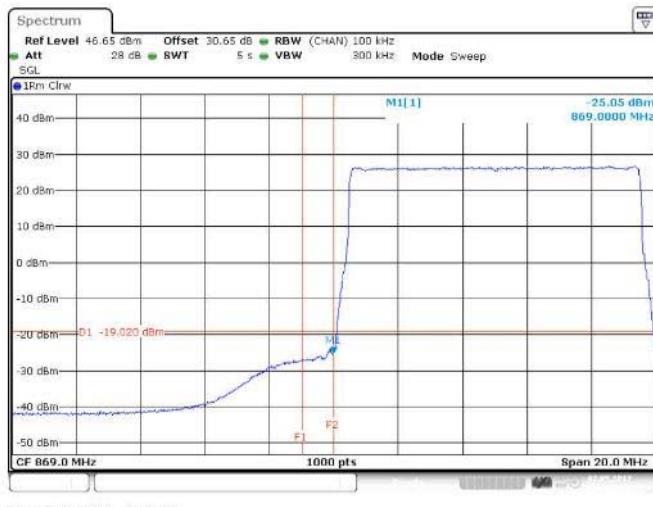
**Figure 379 Spurious Emissions (1 GHz – 8.94 GHz) – 16QAM (881.5 MHz, 5 MHz Channel BW)**



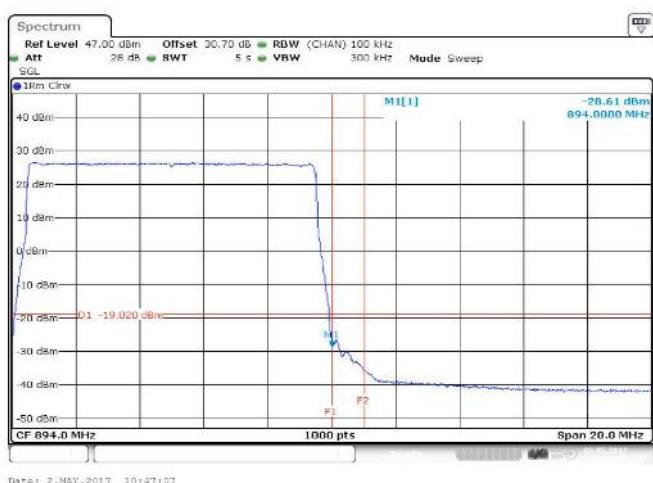
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 380 Spurious Emissions (Lower Band Edge) – 64QAM (874.0 MHz, 5 MHz Channel BW)**



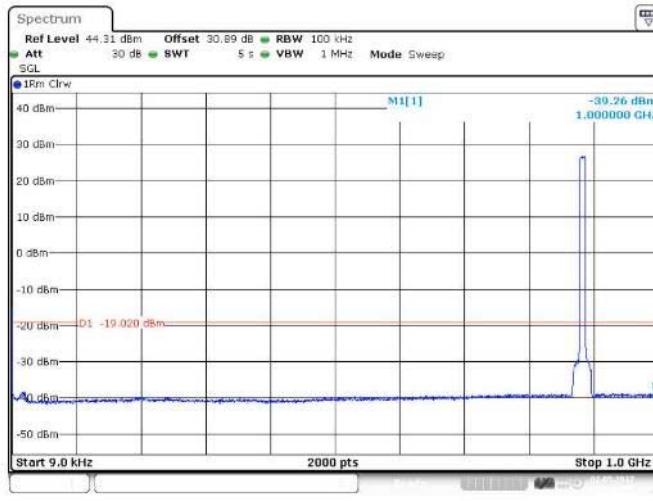
**Figure 381 Spurious Emissions (Upper Band Edge) – 64QAM (889.0 MHz, 5 MHz Channel BW)**



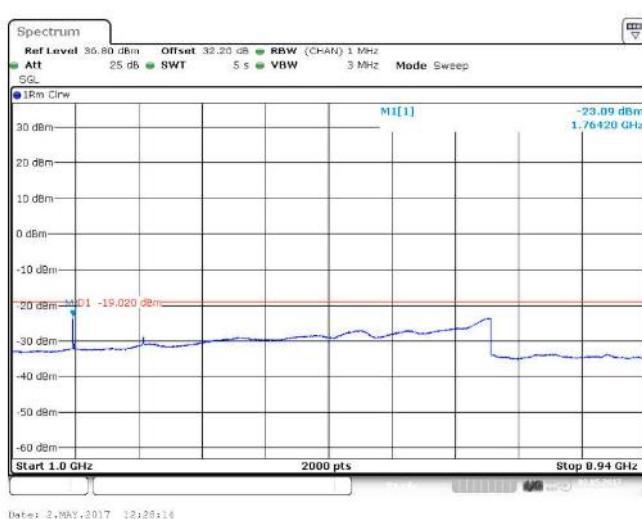
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 382 Spurious Emissions (9kHz – 1GHz) – 64QAM (881.5 MHz, 5 MHz Channel BW)**



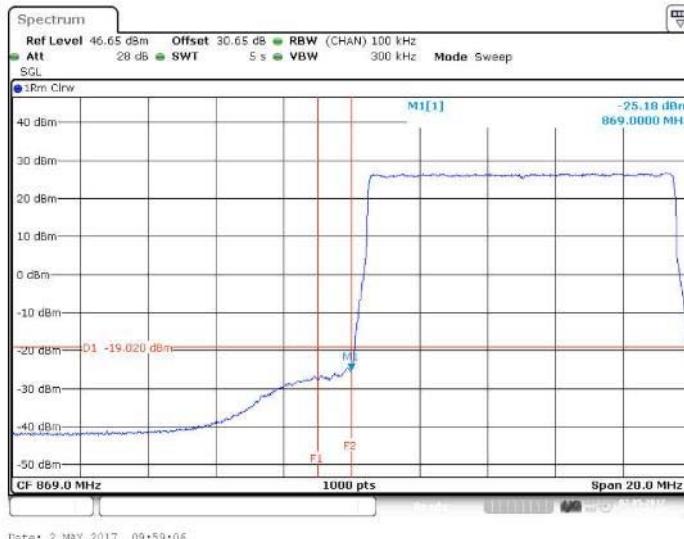
**Figure 383 Spurious Emissions (1 GHz – 8.94 GHz) 64QAM (881.5 MHz, 5 MHz Channel BW)**



Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



Date: 2.MAY.2017 09:59:06

**Figure 384 Spurious Emissions (Lower Band Edge) – 256QAM (874.0 MHz, 5 MHz Channel BW)**



Date: 2.MAY.2017 10:49:56

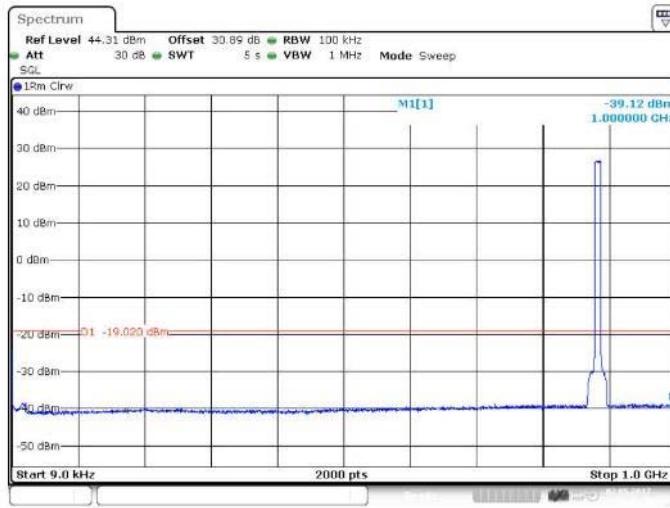
**Figure 385 Spurious Emissions (Upper Band Edge) – 256QAM (889.0 MHz, 5 MHz Channel BW)**



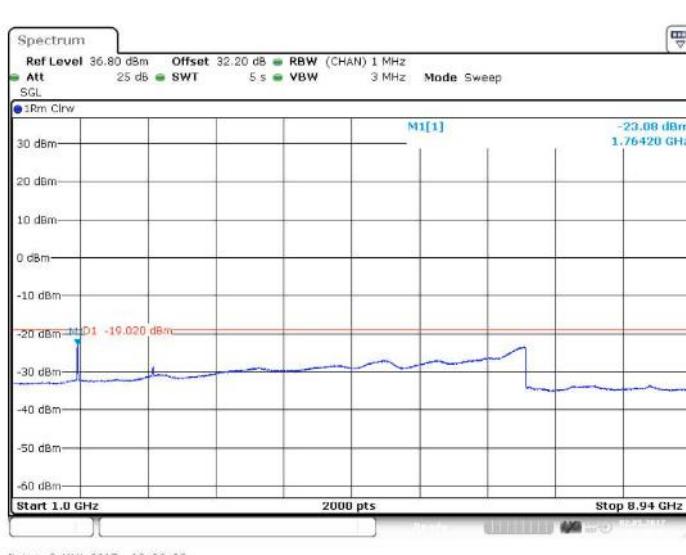
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 386 Spurious Emissions (9kHz – 1GHz) – 256QAM (881.5 MHz, 5 MHz Channel BW)**



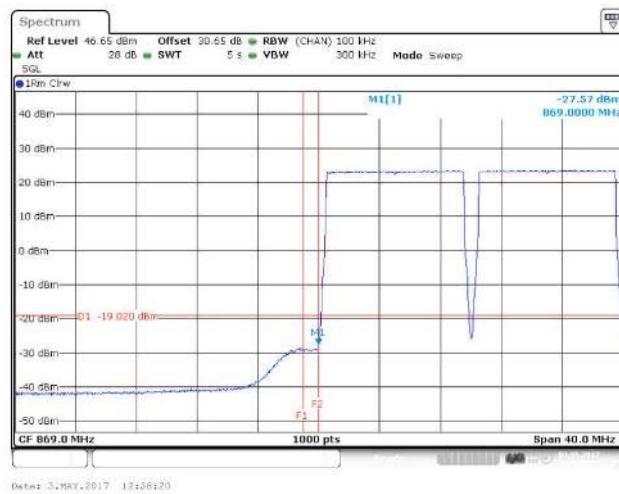
**Figure 387 Spurious Emissions (1 GHz – 8.94 GHz) – 256QAM (881.5 MHz, 5 MHz Channel BW)**



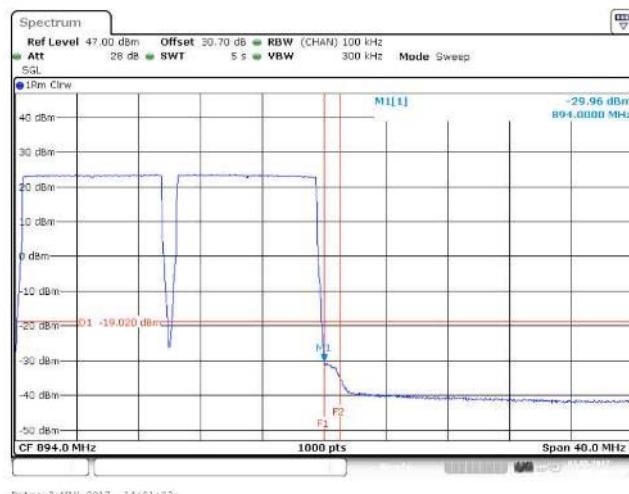
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736

**Config E ANT1:**

**Figure 388 Spurious Emissions (Lower Band Edge) – QPSK (874 MHz, 884, 2 X 5 MHz Channel BW)**



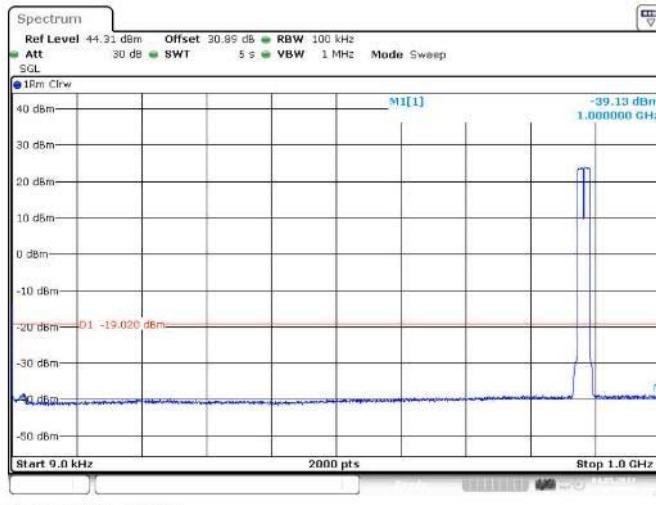
**Figure 389 Spurious Emissions (Upper Band Edge) – QPSK (879,0 MHz, 889.0 MHz, 2 X 5 MHz Channel BW)**



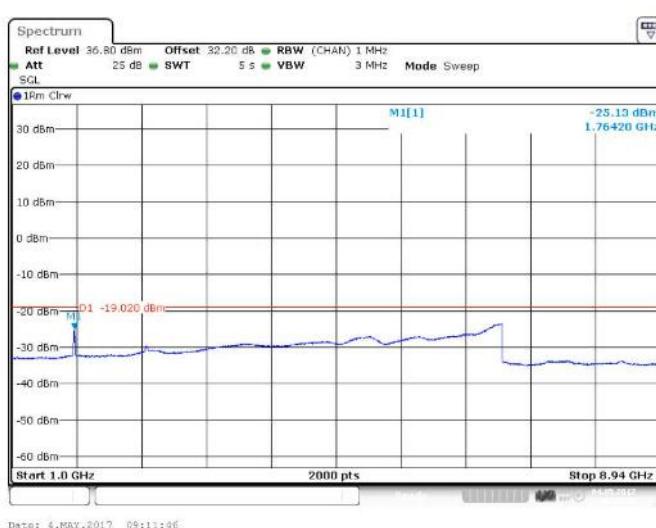
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 390 Spurious Emissions (9kHz – 1GHz) – QPSK (876.5 MHz, 886.5 MHz 2 X 5 MHz Channel BW)**



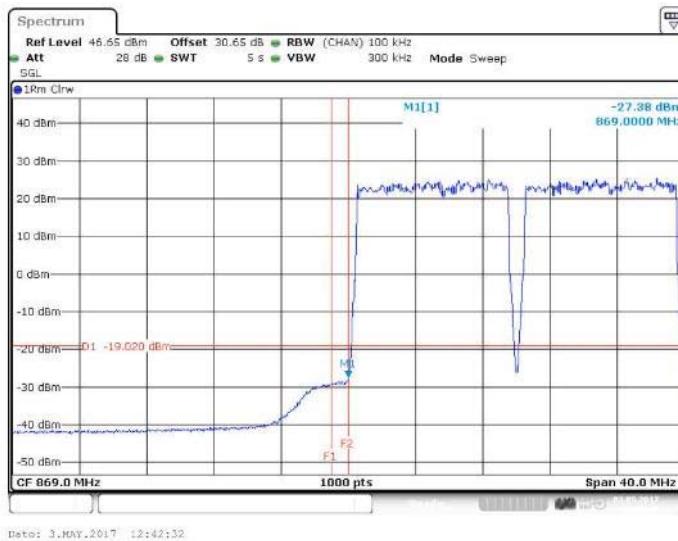
**Figure 391 Spurious Emissions (1 GHz – 8.94 GHz) – QPSK (876.5 MHz, 886.5 MHz 2 X 5 MHz Channel BW)**



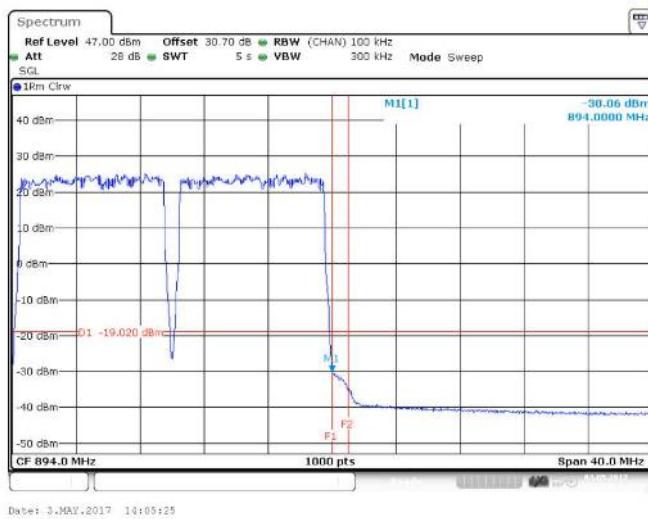
Product Service

FCC ID:  
VBNAHCA-01

Test Report No:  
D555647736



**Figure 392 Spurious Emissions (Lower Band Edge) – 16QAM (874 MHz, 884, 2 X 5 MHz Channel BW)**



**Figure 393 Spurious Emissions (Upper Band Edge) 16QAM (879,0 MHz, 889.0 MHz, 2 X 5 MHz Channel BW)**