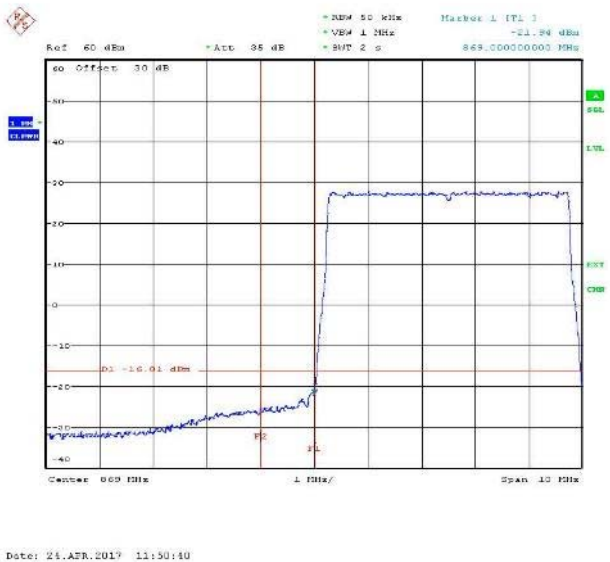




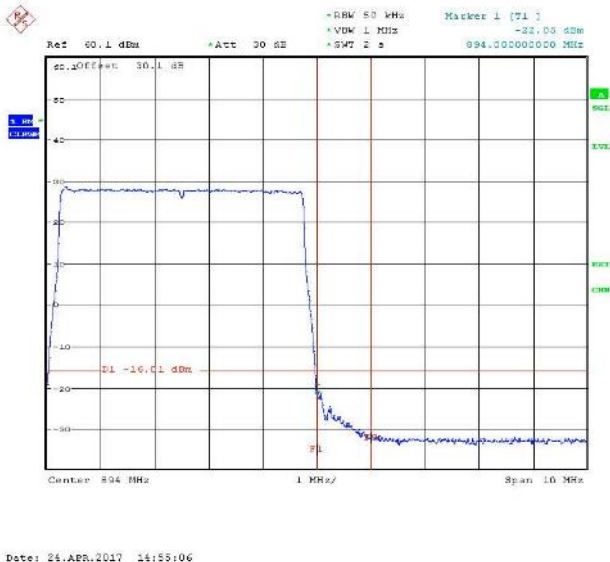
Product Service

FCC ID:
VBNAHCA-01

Test Report No:
D555647736



**Figure 464 Spurious Emissions (Lower Band Edge) – 256QAM (871.5 MHz)
(5MHz Channel BW)**



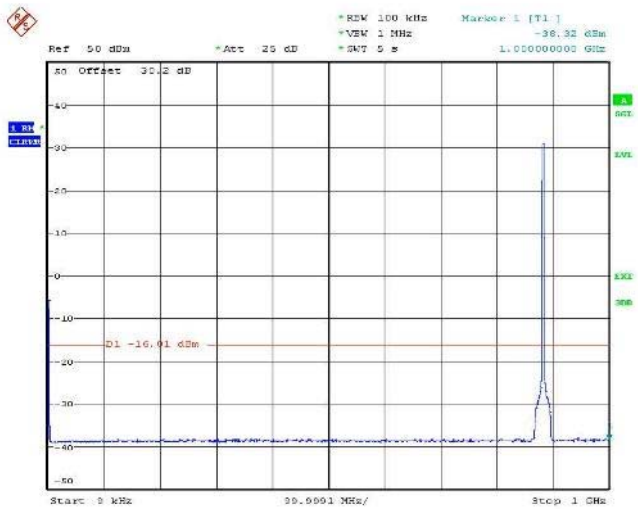
**Figure 465 Spurious Emissions (Upper Band Edge) – 256QAM (891.5 MHz)
(5MHz Channel BW)**



Product Service

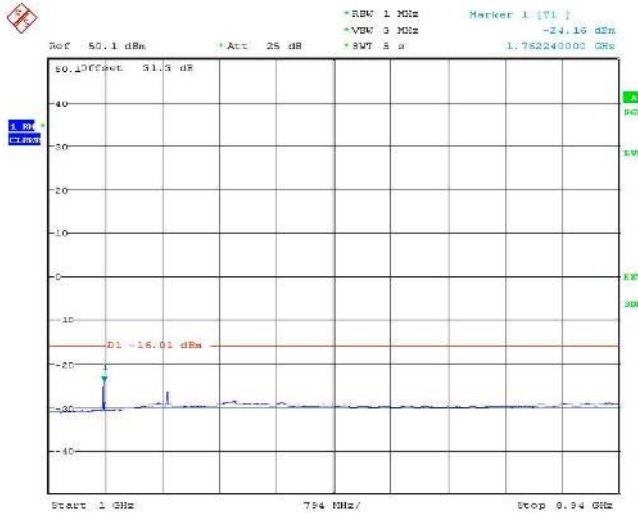
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 24.APR.2017 12:47:56

Figure 466 Spurious Emissions (9kHz – 1GHz) - 256QAM (881.5 MHz) (5MHz Channel BW)



Date: 24.APR.2017 12:53:36

Figure 467 Spurious Emissions (1GHz – 8.94GHz) – 256QAM (881.5 MHz) (5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

Page 324 of 427

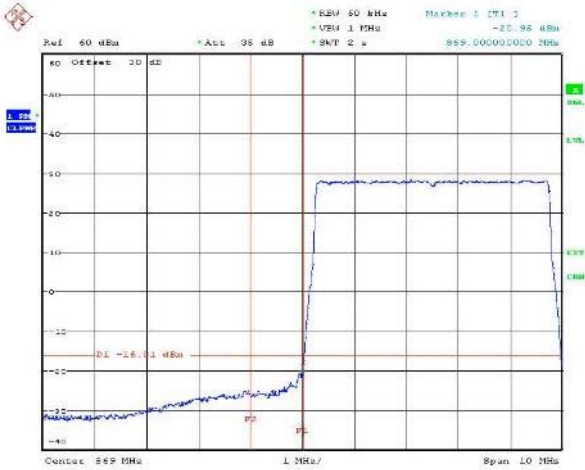


Product Service

FCC ID:
VBNAHCA-01

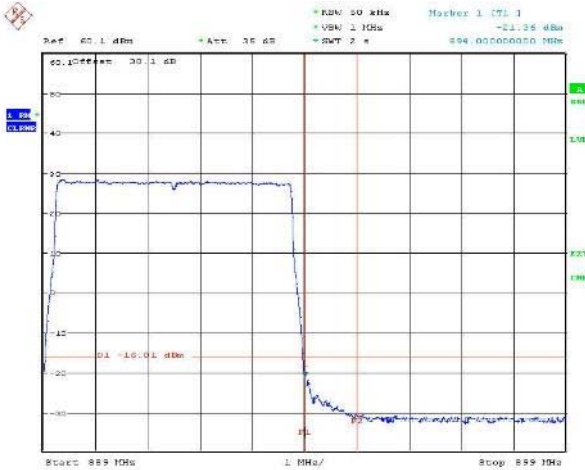
Test Report No:
D555647736

Config F ANT3:



Date: 24.APR.2017 08:29:17

Figure 468 Spurious Emissions (Lower Band Edge) – QPSK (871.5 MHz)
(5MHz Channel BW)



Date: 25.APR.2017 08:20:22

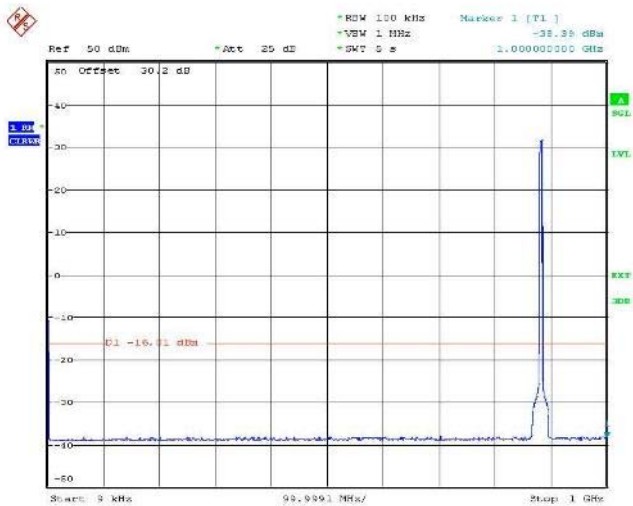
Figure 469 Spurious Emissions (Upper Band Edge) – QPSK (891.5 MHz)
(5MHz Channel BW)



Product Service

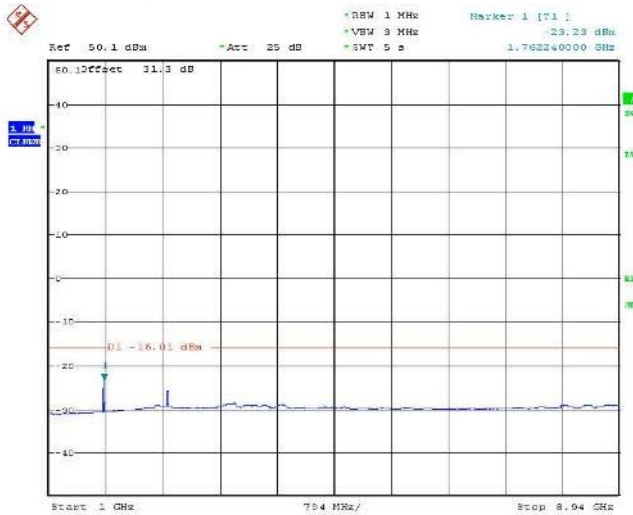
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 24.APR.2017 13:40:12

Figure 470 Spurious Emissions (9kHz – 1GHz) - QPSK (881.5 MHz) (5MHz Channel BW)



Date: 24.APR.2017 13:41:25

Figure 471 Spurious Emissions (1GHz – 8.94GHz) – QPSK (881.5 MHz) (5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

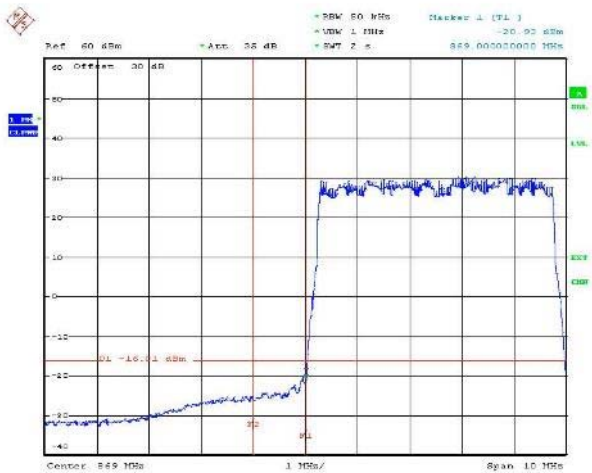
Page 326 of 427



Product Service

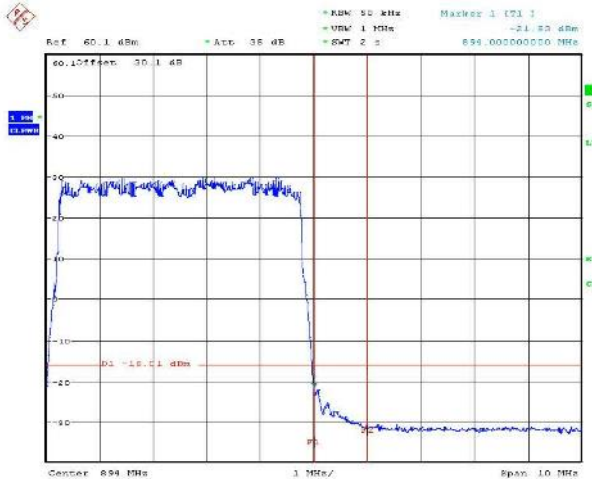
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 24.APR.2017 08:38:14

**Figure 472 Spurious Emissions (Lower Band Edge) – 16QAM (871.5 MHz)
(5MHz Channel BW)**



Date: 25.APR.2017 08:28:58

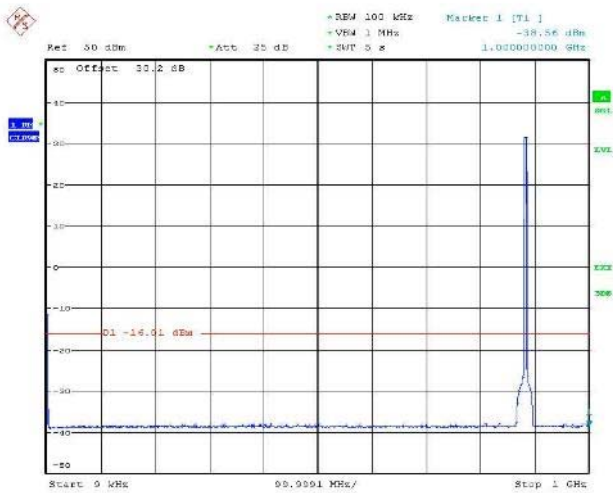
**Figure 473 Spurious Emissions (Upper Band Edge) – 16QAM (891.5 MHz)
(5MHz Channel BW)**



Product Service

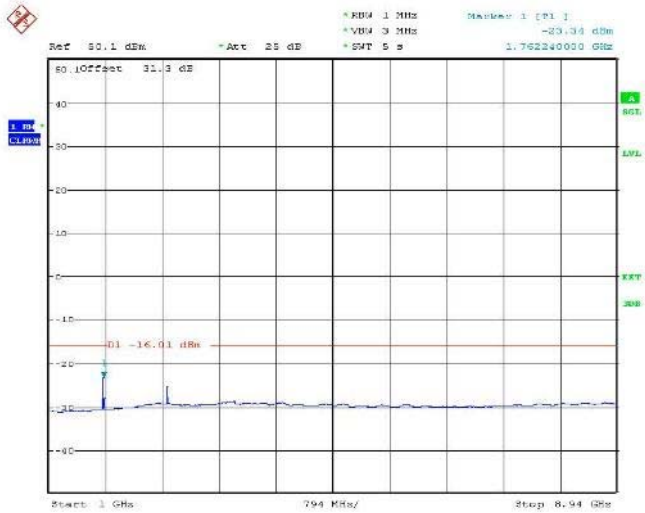
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 24.APR.2017 10:57:40

Figure 474 Spurious Emissions (9kHz – 1GHz) - 16QAM (881.5 MHz) (5MHz Channel BW)



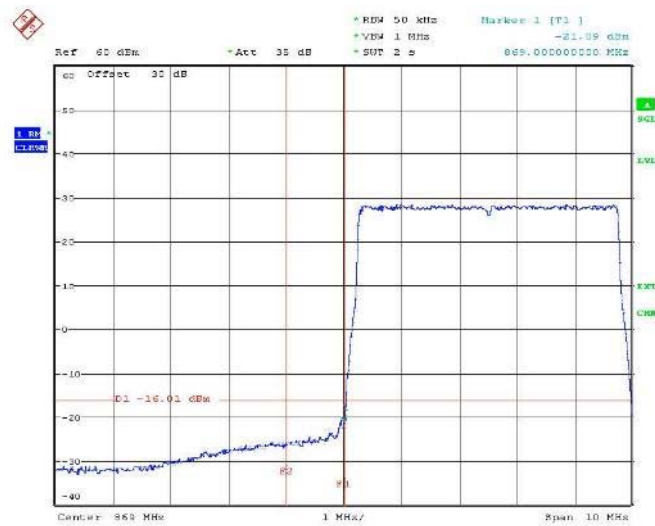
Date: 24.APR.2017 13:51:08

Figure 475 Spurious Emissions (1GHz – 8.94GHz) – 16QAM (881.5 MHz) (5MHz Channel BW)



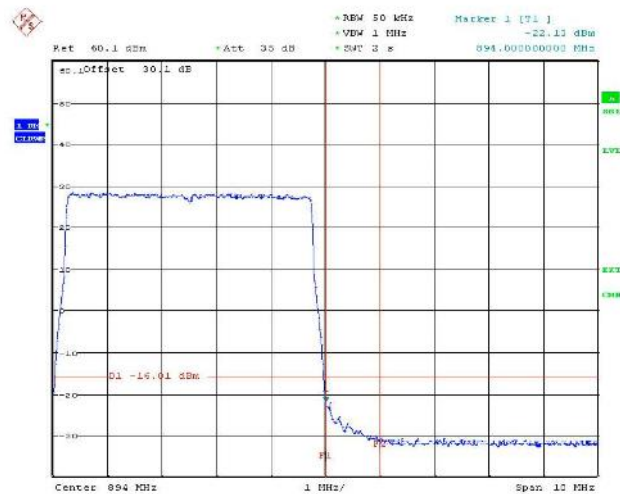
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 24.APR.2017 09:03:28

**Figure 476 Spurious Emissions (Lower Band Edge) – 64QAM (871.5 MHz)
(5MHz Channel BW)**



Date: 25.APR.2017 08:33:52

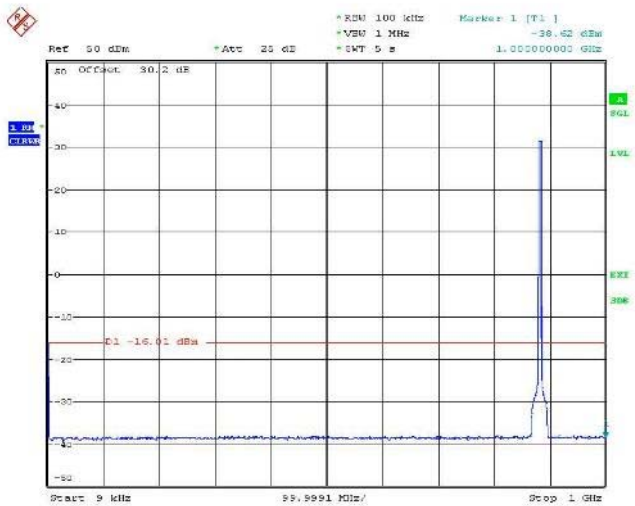
**Figure 477 Spurious Emissions (Upper Band Edge) – 64QAM (891.5 MHz)
(5MHz Channel BW)**



Product Service

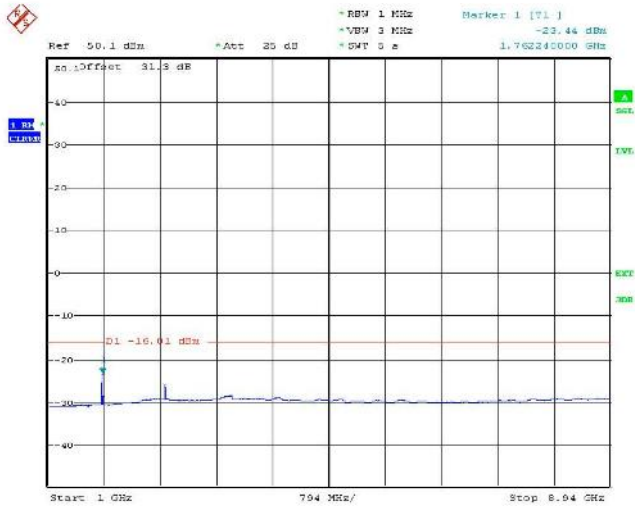
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 14:01:00

Figure 478 Spurious Emissions (9kHz – 1GHz) - 64QAM (881.5 MHz) (5MHz Channel BW)



Date: 24.APR.2017 13:58:49

Figure 479 Spurious Emissions (1GHz – 8.94GHz) – 64QAM (881.5 MHz) (5MHz Channel BW)

FCC 47 CFR part 22
(2016)

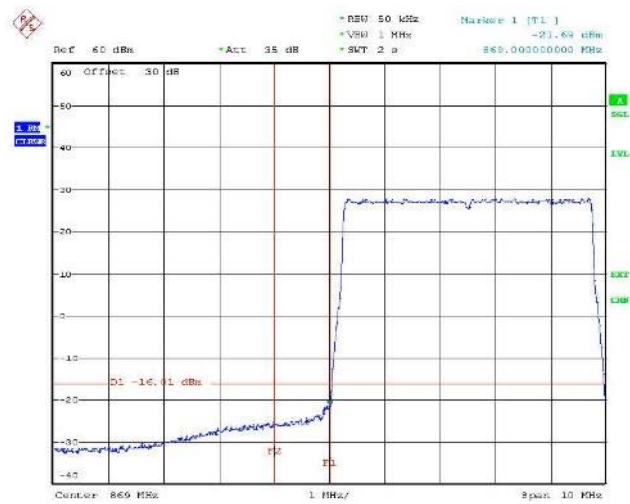
23. May 2017

Page 330 of 427



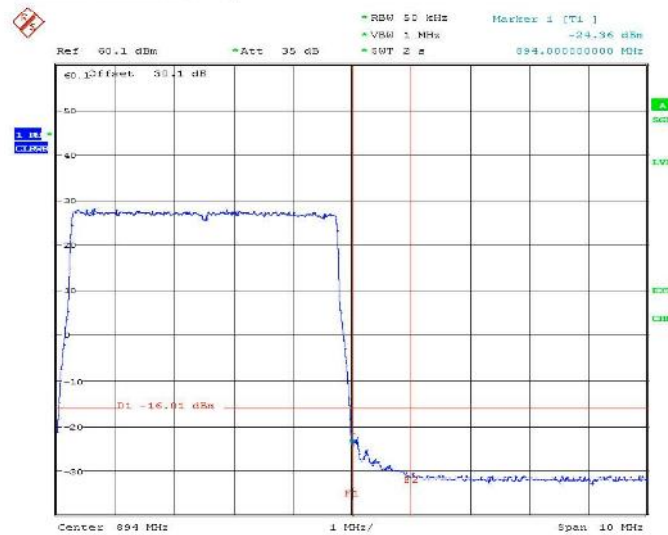
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 24.APR.2017 11:37:46

**Figure 480 Spurious Emissions (Lower Band Edge) – 256QAM (871.5 MHz)
(5MHz Channel BW)**



Date: 25.APR.2017 08:52:03

**Figure 481 Spurious Emissions (Upper Band Edge) – 256QAM (891.5 MHz)
(5MHz Channel BW)**

FCC 47 CFR part 22
(2016)

23. May 2017

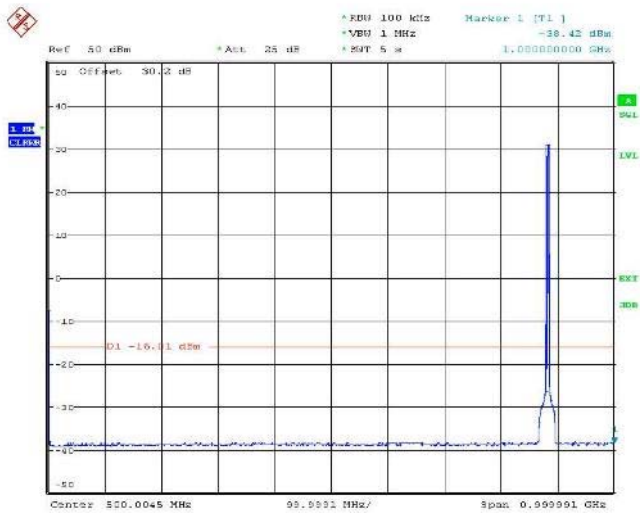
Page 331 of 427



Product Service

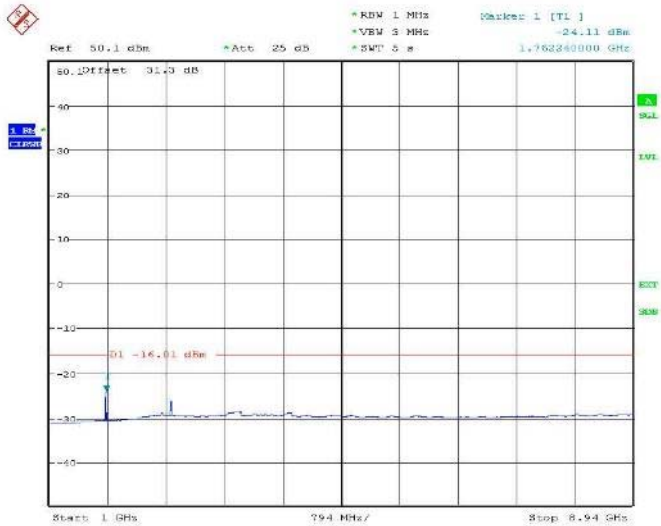
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 24.APR.2017 13:09:48

Figure 482 Spurious Emissions (9kHz – 1GHz) - 256QAM (881.5 MHz) (5MHz Channel BW)



Date: 24.APR.2017 13:18:57

Figure 483 Spurious Emissions (1GHz – 8.94GHz) – 256QAM (881.5 MHz) (5MHz Channel BW)

FCC 47 CFR part 22
(2016)

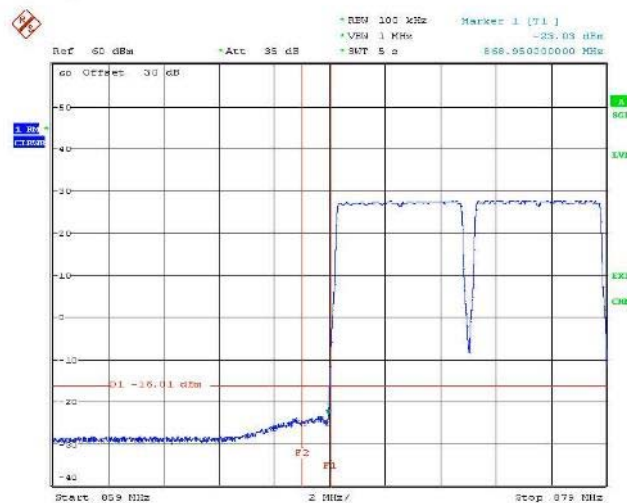
23. May 2017

Page 332 of 427



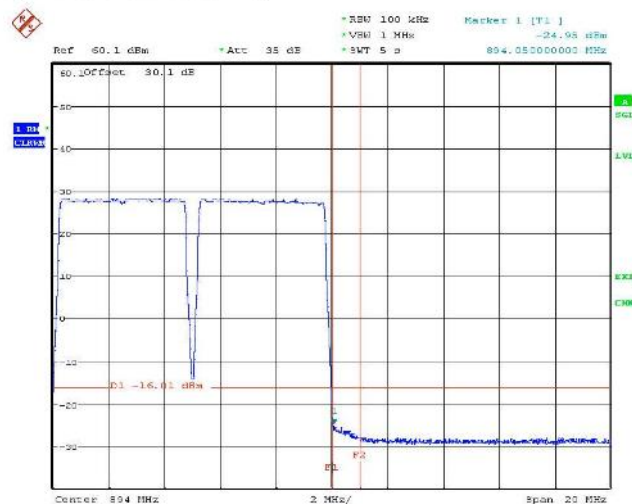
FCC ID:
VBNAHCA-01

Test Report No:
D555647736

Config G ANT1:

Date: 25 APR 2017 11:46:13

**Figure 484 Spurious Emissions (Lower Band Edge) – QPSK (871.5/876.5 MHz)
(5+5MHz Channel BW)**



Date: 26.APR.2017 08:56:35

**Figure 485 Spurious Emissions (Upper Band Edge) – QPSK (/886.5/891.5 MHz)
(5+5MHz Channel BW)**

FCC 47 CFR part 22
(2016)

23. May 2017

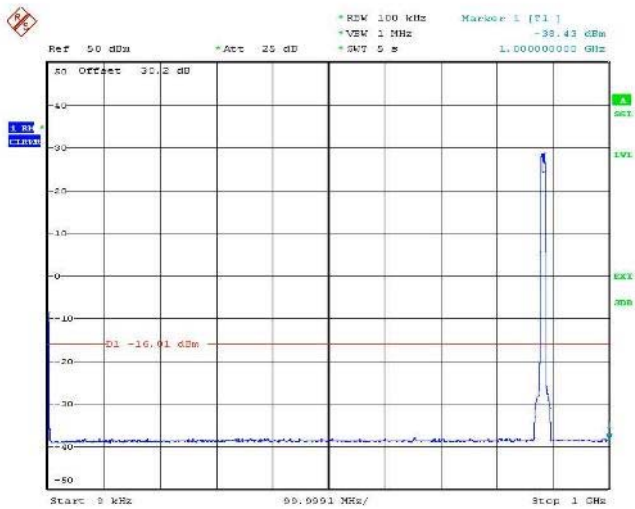
Page 333 of 427



Product Service

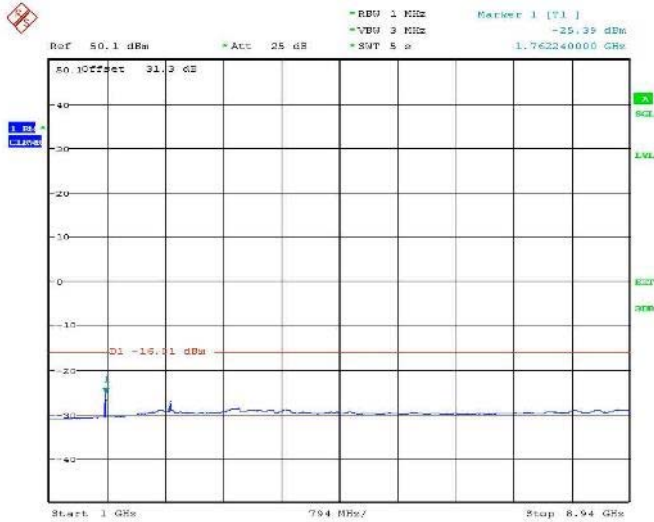
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 08:28:01

**Figure 486 Spurious Emissions (9kHz – 1GHz) - QPSK (879/884 MHz)
(5+5MHz Channel BW)**



Date: 26.APR.2017 08:30:43

**Figure 487 Spurious Emissions (1GHz – 8.94GHz) – QPSK (879/884 MHz)
(5+5MHz Channel BW)**

FCC 47 CFR part 22
(2016)

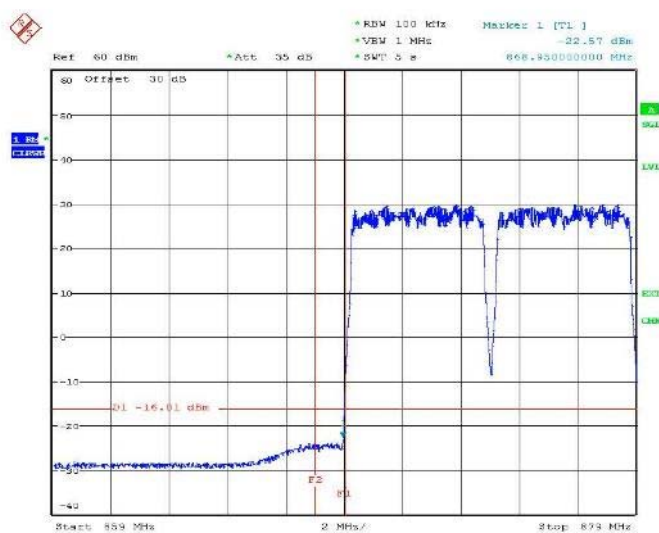
23. May 2017

Page 334 of 427



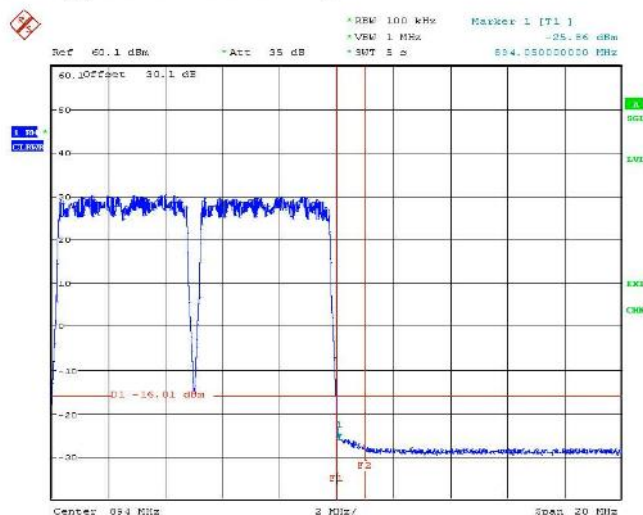
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 25.APR.2017 11:51:03

Figure 488 Spurious Emissions (Lower Band Edge) – 16QAM (871.5/876.5 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 08:02:20

Figure 489 Spurious Emissions (Upper Band Edge) – 16QAM (886.5/891.5 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

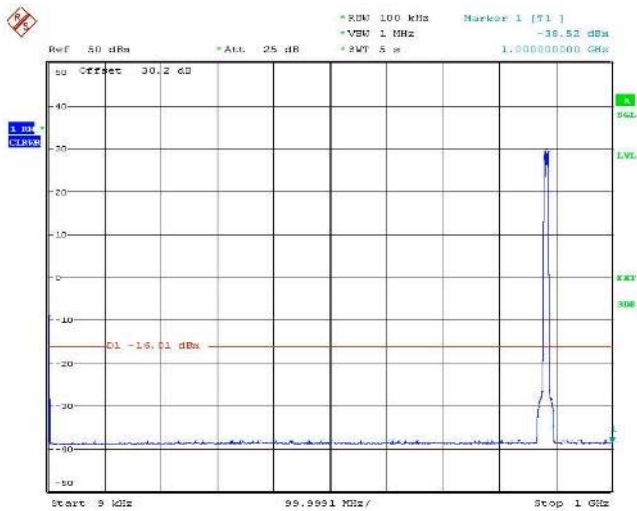
Page 335 of 427



Product Service

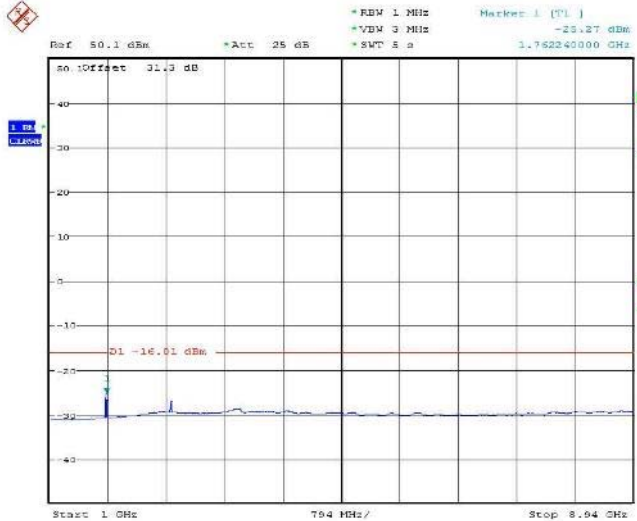
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 08:35:29

Figure 490 Spurious Emissions (9kHz – 1GHz) - 16QAM (879/884 MHz) (S+5MHz Channel BW)



Date: 26.APR.2017 08:36:37

Figure 491 Spurious Emissions (1GHz – 8.94GHz) – 16QAM (879/884 MHz) (S+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

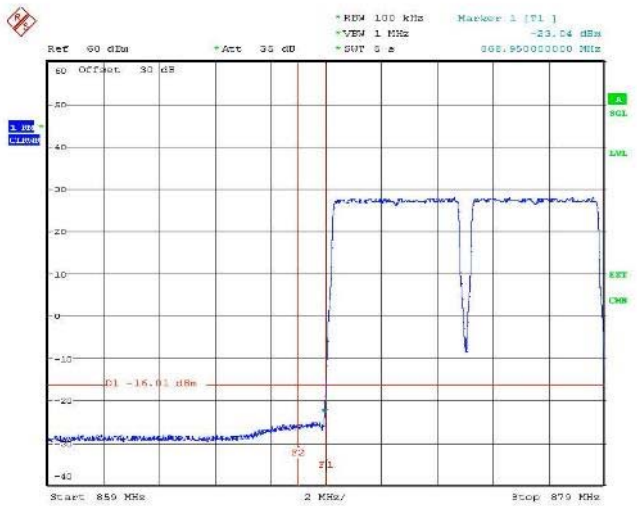
Page 336 of 427



Product Service

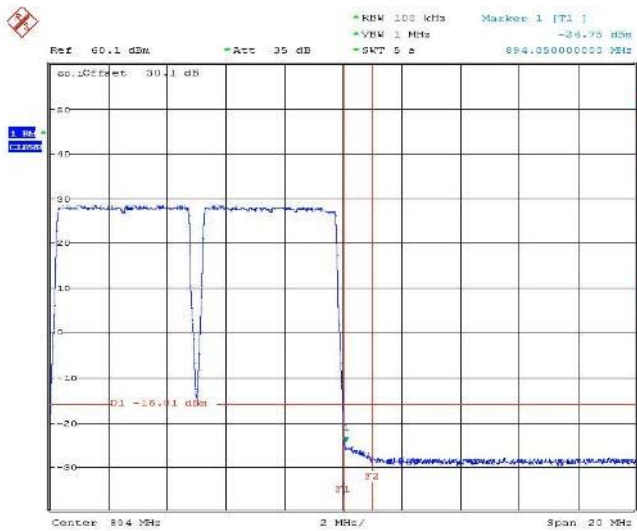
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 25.APR.2017 12:54:02

Figure 492 Spurious Emissions (Lower Band Edge) – 64QAM (871.5/876.5 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 09:06:38

Figure 493 Spurious Emissions (Upper Band Edge) – 64QAM (886.5/891.5 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

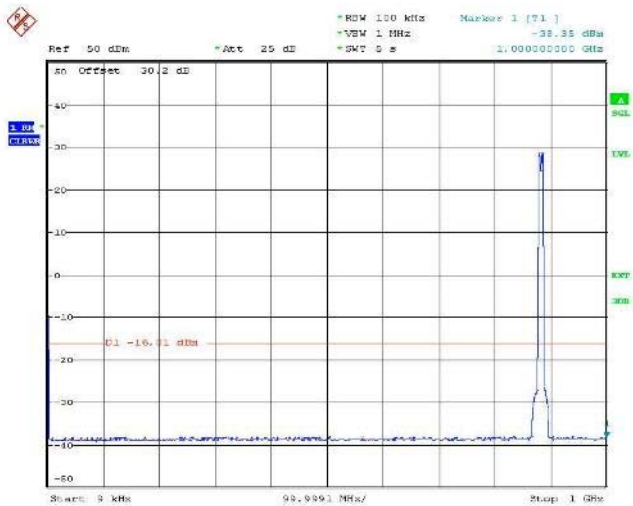
Page 337 of 427



Product Service

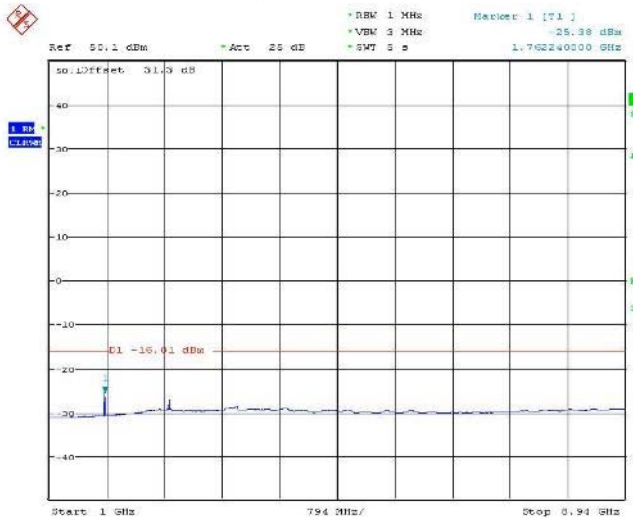
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 08:40:56

**Figure 494 Spurious Emissions (9kHz – 1GHz) - 64QAM (879/884 MHz)
(5+5MHz Channel BW)**



Date: 26.APR.2017 08:41:58

**Figure 495 Spurious Emissions (1GHz – 8.94GHz) – 64QAM (879/884 MHz)
(5+5MHz Channel BW)**

FCC 47 CFR part 22
(2016)

23. May 2017

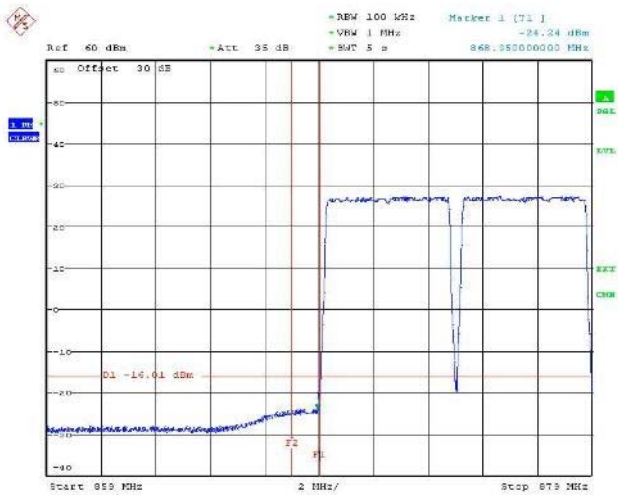
Page 338 of 427



Product Service

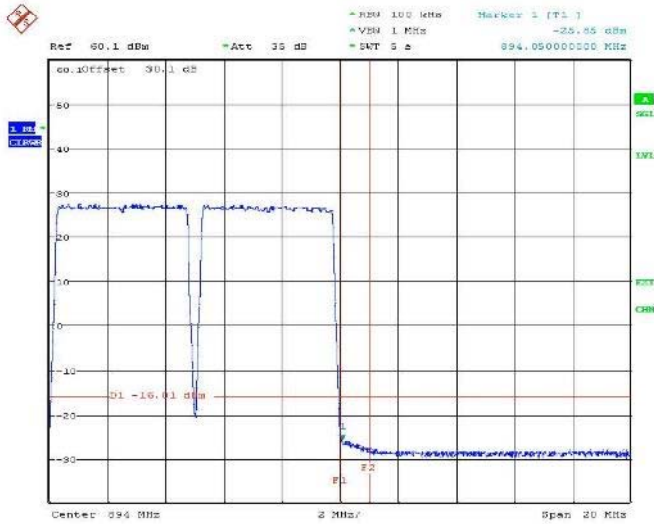
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 25.APR.2017 16:30:50

Figure 496 Spurious Emissions (Lower Band Edge) – 256QAM (871.5/876.5 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 10:57:13

Figure 497 Spurious Emissions (Upper Band Edge) – 256QAM (886.5/891.5 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

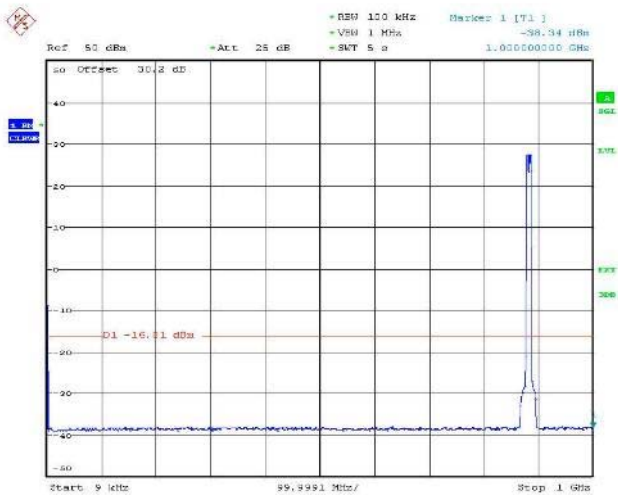
Page 339 of 427



Product Service

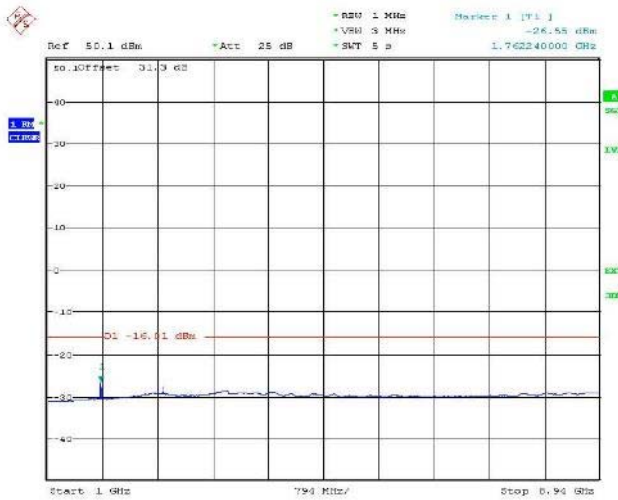
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 06:57:34

Figure 498 Spurious Emissions (9kHz – 1GHz) - 256QAM (879/884 MHz) (S+5MHz Channel BW)



Date: 26.APR.2017 06:59:22

Figure 499 Spurious Emissions (1GHz – 8.94GHz) – 256QAM (879/884 MHz) (S+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

Page 340 of 427

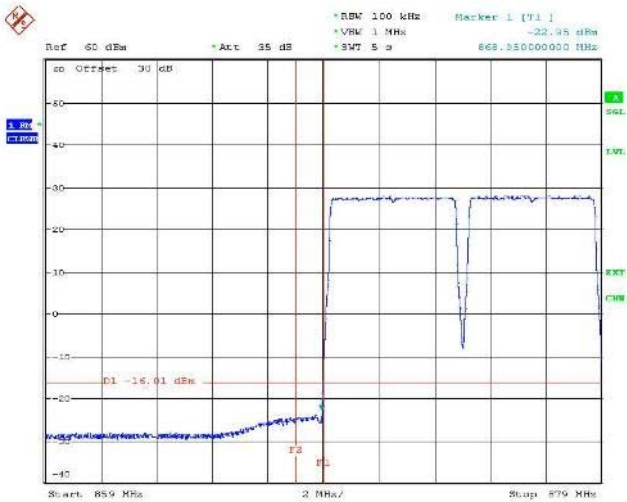


Product Service

FCC ID:
VBNAHCA-01

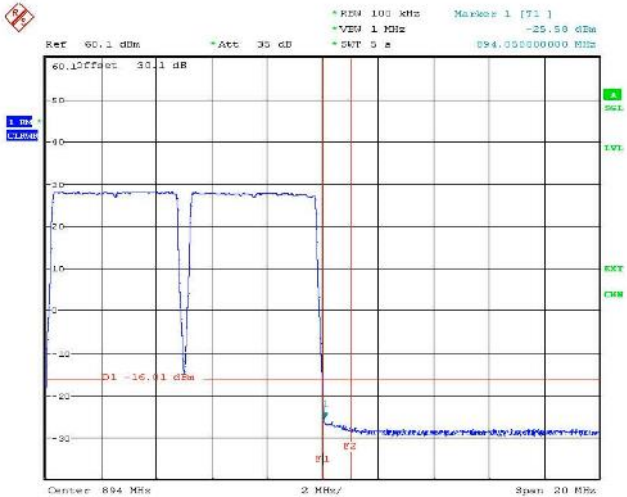
Test Report No:
D555647736

Config G ANT3:



Date: 25.APR.2017 10:10:58

Figure 500 Spurious Emissions (Lower Band Edge) – QPSK (871.5/876.5 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 10:00:34

Figure 501 Spurious Emissions (Upper Band Edge) – QPSK (886.5/891.5 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

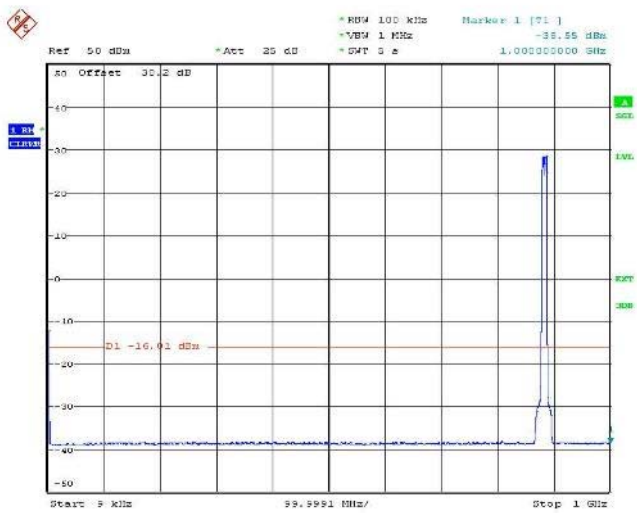
Page 341 of 427



Product Service

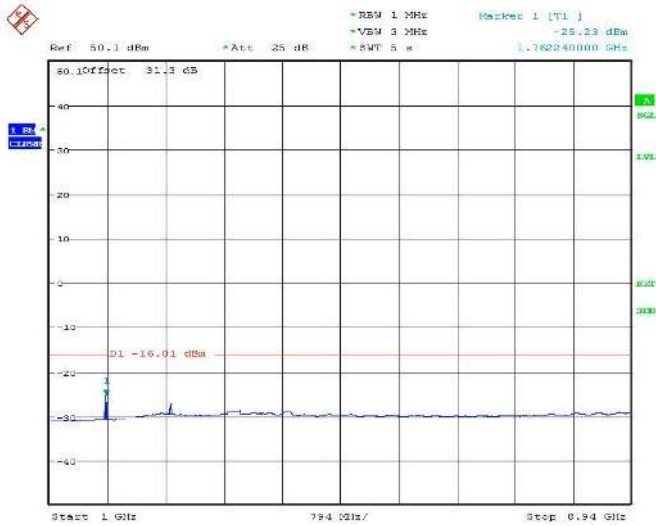
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 08:08:11

Figure 502 Spurious Emissions (9kHz – 1GHz) - QPSK (879/884 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 08:09:20

Figure 503 Spurious Emissions (1GHz – 8.94GHz) – QPSK (879/884 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

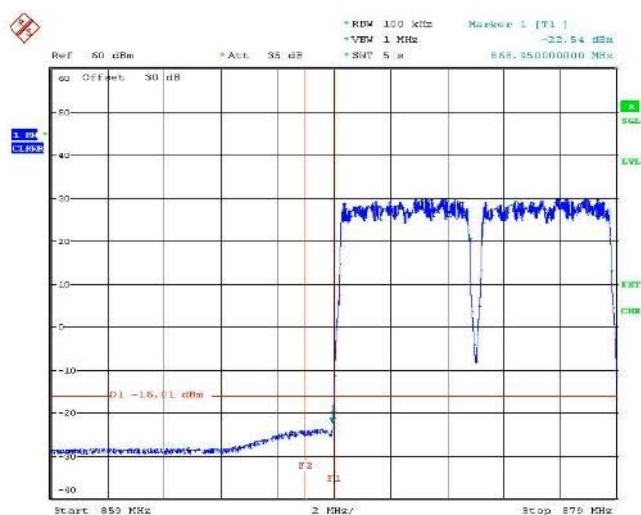
23. May 2017

Page 342 of 427



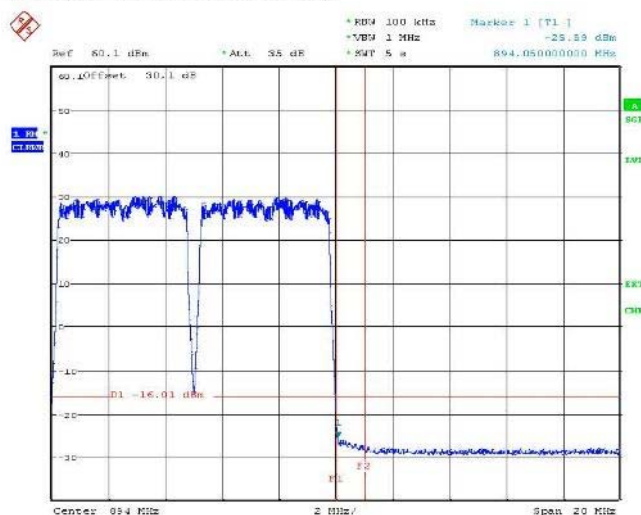
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 25.APR.2017 13:20:34

Figure 504 Spurious Emissions (Lower Band Edge) – 16QAM (871.5/876.5 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 10:14:24

Figure 505 Spurious Emissions (Upper Band Edge) – 16QAM (886.5/891.5 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

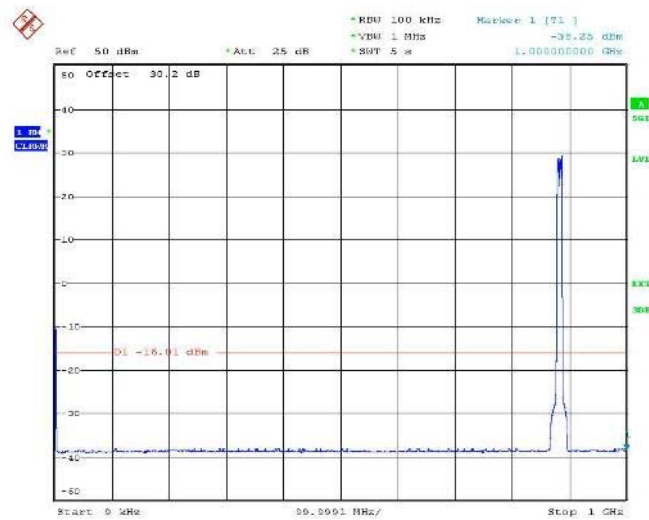
Page 343 of 427



Product Service

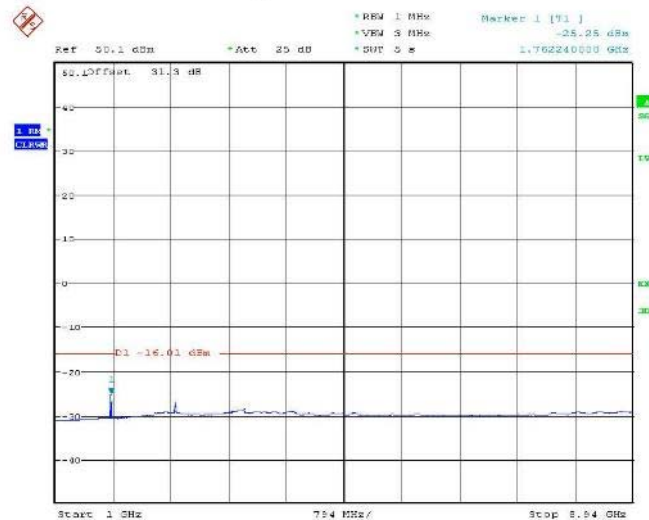
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 08:14:55

Figure 506 Spurious Emissions (9kHz – 1GHz) - 16QAM (879/884 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 08:15:49

Figure 507 Spurious Emissions (1GHz – 8.94GHz) – 16QAM (879/884 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

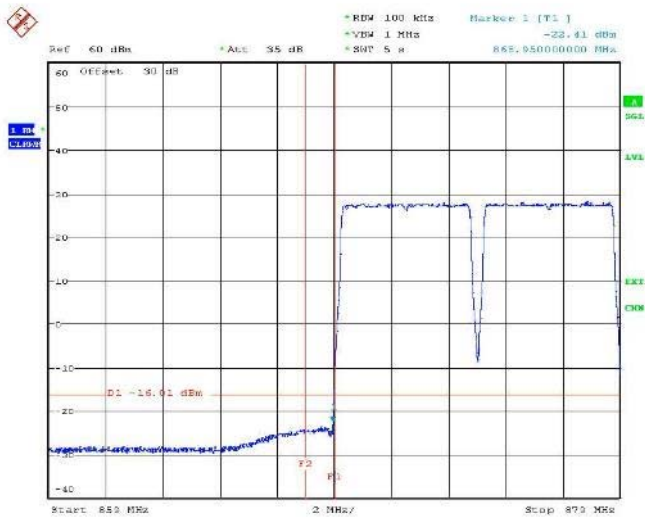
Page 344 of 427



Product Service

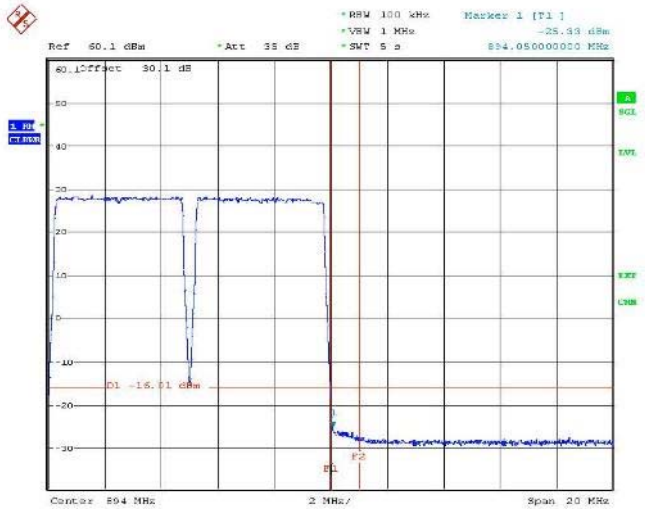
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 25. APR. 2017 10:23:07

Figure 508 Spurious Emissions (Lower Band Edge) – 64QAM (871.5/876.5 MHz) (5+5MHz Channel BW)



Date: 25. APR. 2017 10:17:47

Figure 509 Spurious Emissions (Upper Band Edge) – 64QAM (886.5/891.5 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

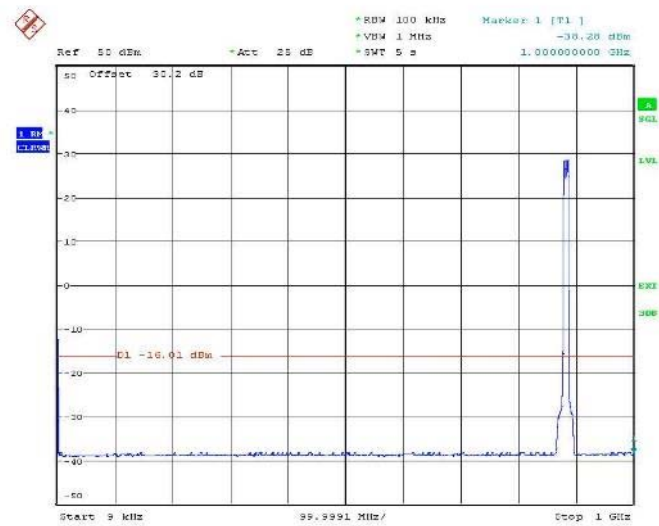
Page 345 of 427



Product Service

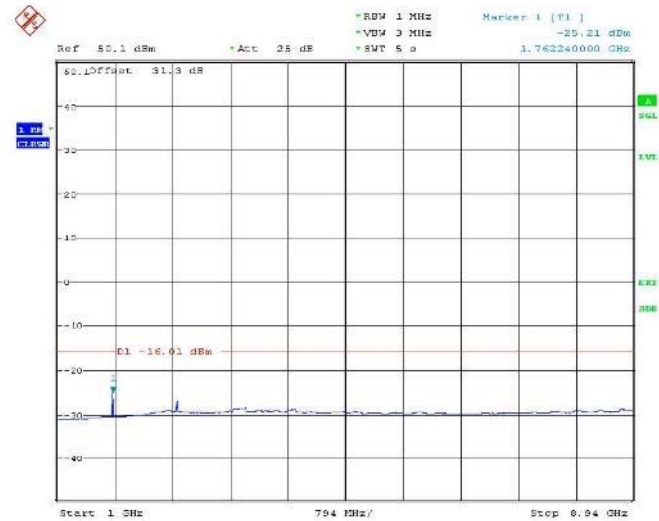
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 08:19:09

Figure 510 Spurious Emissions (9kHz – 1GHz) - 64QAM (879/884 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 08:20:07

Figure 511 Spurious Emissions (1GHz – 8.94GHz) – 64QAM (879/884 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

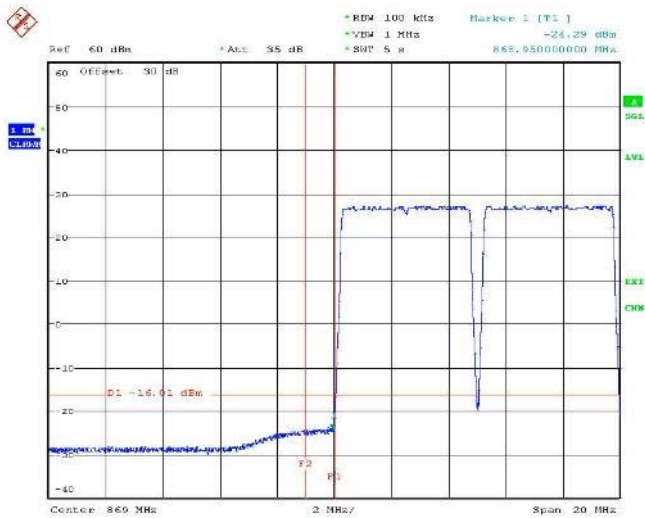
Page 346 of 427



Product Service

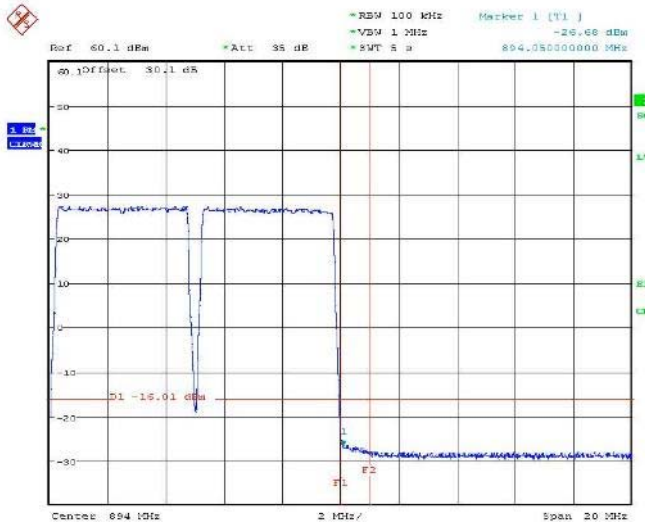
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 25. APR. 2017 14:24:27

Figure 512 Spurious Emissions (Lower Band Edge) – 256QAM (871.5/876.5 MHz) (5+5MHz Channel BW)



Date: 26. APR. 2017 10:38:02

Figure 513 Spurious Emissions (Upper Band Edge) – 256QAM (886.5/891.5 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

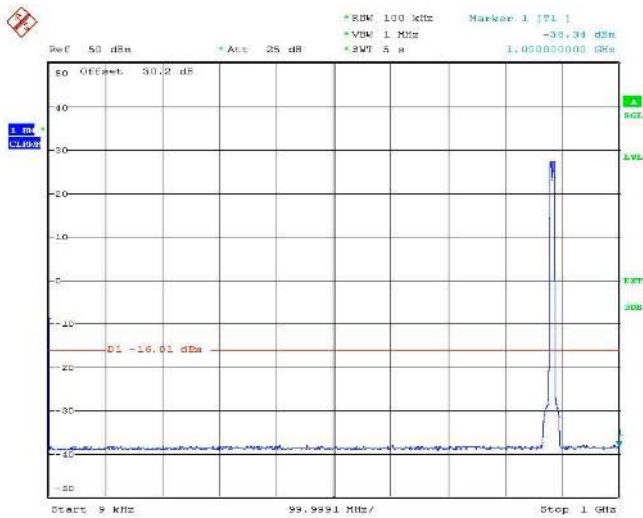
Page 347 of 427



Product Service

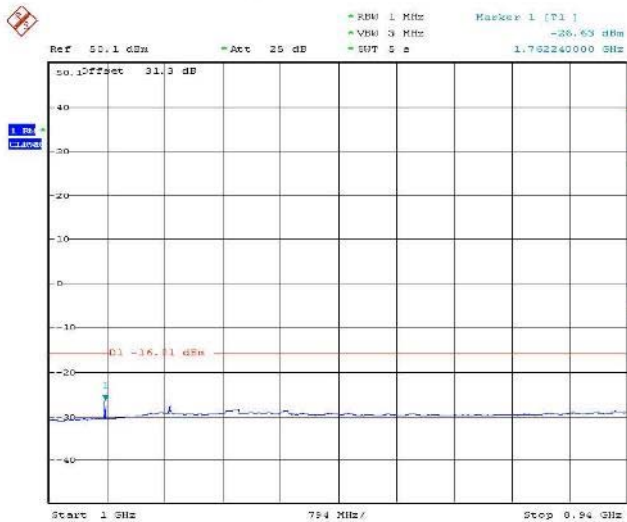
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.Apr.2017 07:07:45

Figure 514 Spurious Emissions (9kHz – 1GHz) - 256QAM (879/884 MHz) (5+5MHz Channel BW)



Date: 26.Apr.2017 07:09:32

Figure 515 Spurious Emissions (1GHz – 8.94GHz) – 256QAM (879/884 MHz) (5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

Page 348 of 427

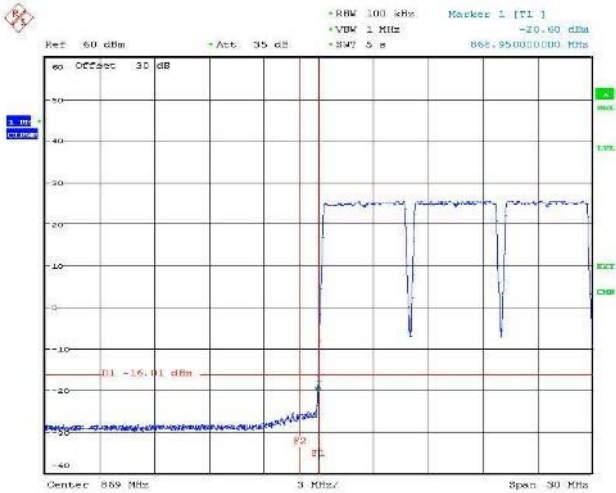


Product Service

FCC ID:
VBNAHCA-01

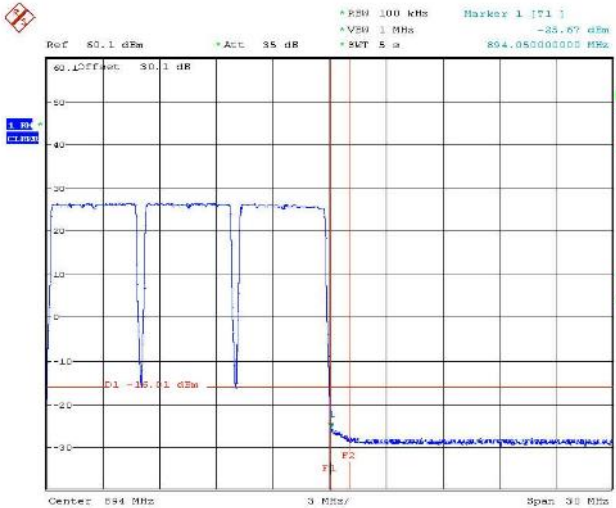
Test Report No:
D555647736

Config H ANT1:



Date: 26.APR.2017 11:24:03

Figure 516 Spurious Emissions (Lower Band Edge) – QPSK (871.5/876.5/881.5 MHz) (5+5+5MHz Channel BW)



Date: 27.APR.2017 08:40:15

Figure 517 Spurious Emissions (Upper Band Edge) – QPSK (881.5/886.5/891.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

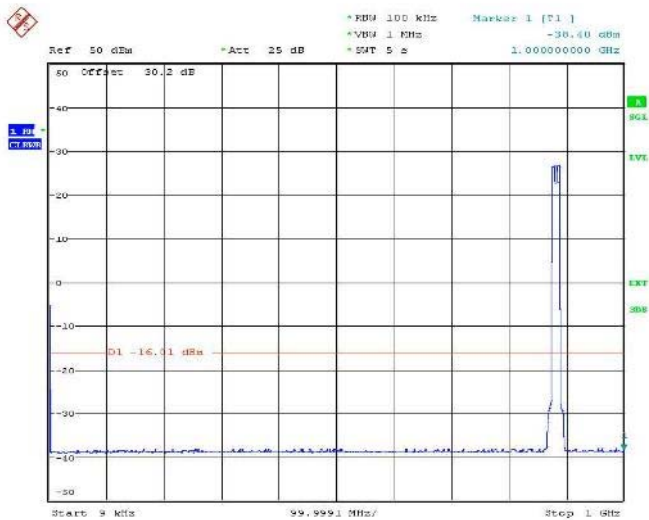
Page 349 of 427



Product Service

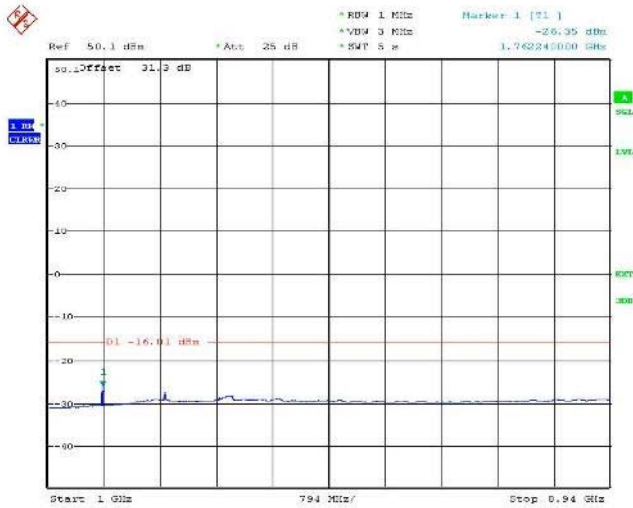
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 14:32:41

Figure 518 Spurious Emissions (9kHz – 1GHz) - QPSK (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)



Date: 26.APR.2017 14:34:29

Figure 519 Spurious Emissions (1GHz – 8.94GHz) – QPSK (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

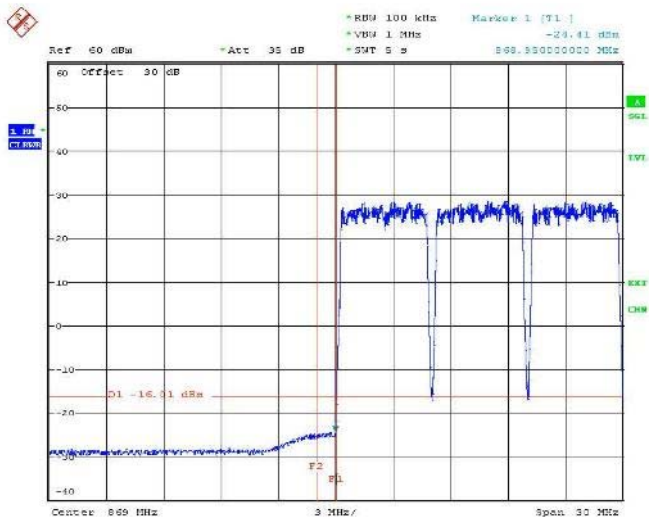
Page 350 of 427



Product Service

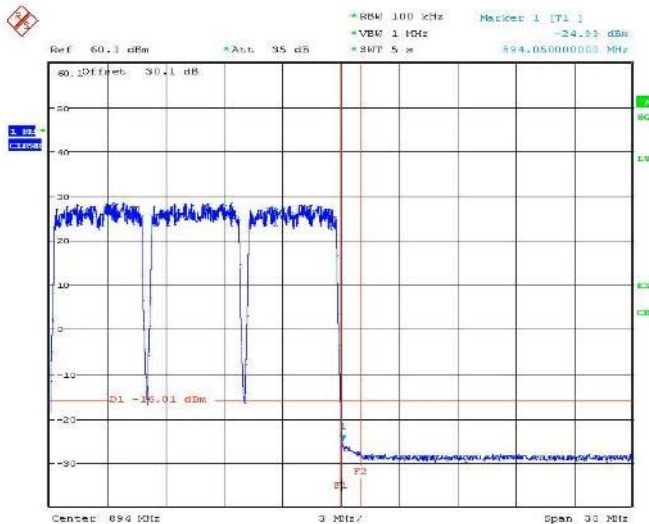
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 13:08:40

**Figure 520 Spurious Emissions (Lower Band Edge) – 16QAM
(871.5/876.5/881.5 MHz) (5+5+5MHz Channel BW)**



Date: 27.APR.2017 08:46:37

**Figure 521 Spurious Emissions (Upper Band Edge) – 16QAM
(881.5/886.5/891.5 MHz) (5+5+5MHz Channel BW)**

FCC 47 CFR part 22
(2016)

23. May 2017

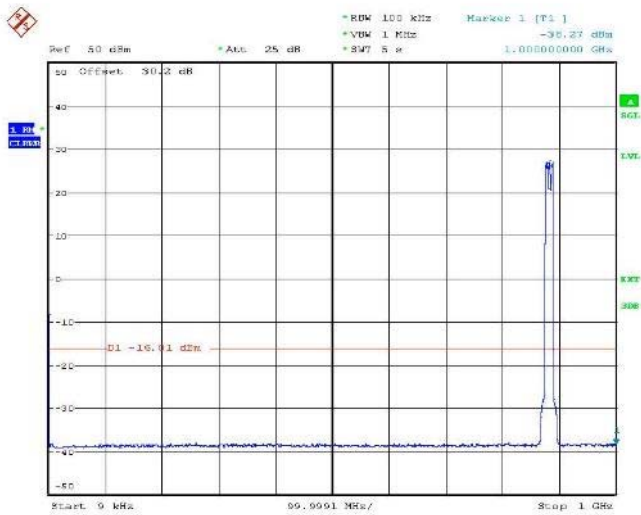
Page 351 of 427



Product Service

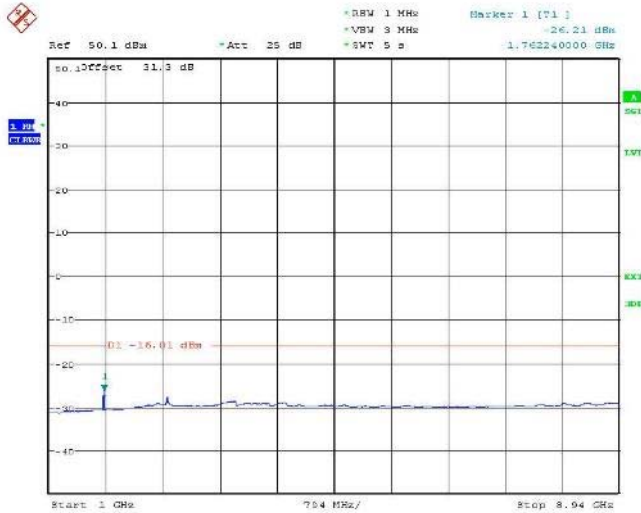
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 25.APR.2017 14:41:29

Figure 522 Spurious Emissions (9kHz – 1GHz) - 16QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)



Date: 26.APR.2017 14:42:35

Figure 523 Spurious Emissions (1GHz – 8.94GHz) – 16QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

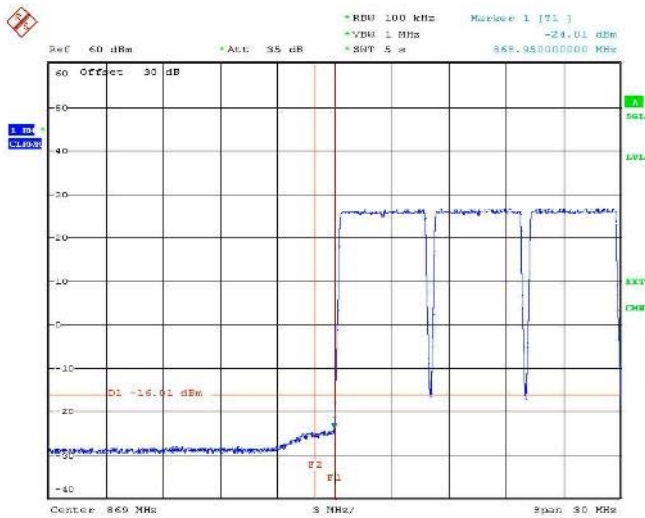
Page 352 of 427



Product Service

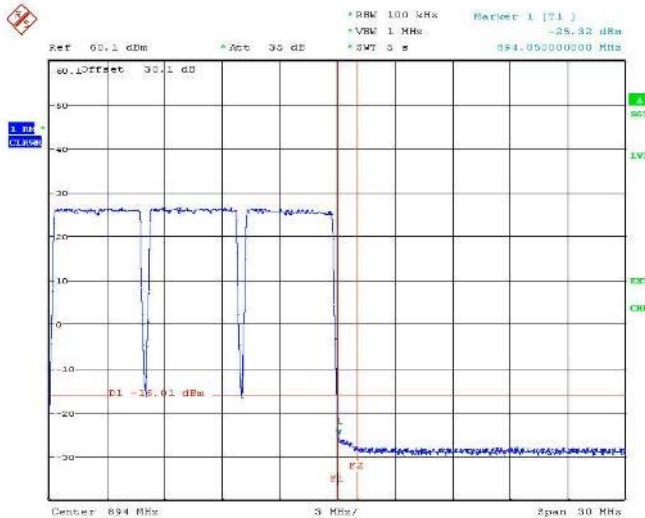
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 12:57:02

**Figure 524 Spurious Emissions (Lower Band Edge) – 64QAM
(871.5/876.5/881.5 MHz) (5+5+5MHz Channel BW)**



Date: 27.APR.2017 08:50:39

**Figure 525 Spurious Emissions (Upper Band Edge) – 64QAM
(881.5/886.5/891.5 MHz) (5+5+5MHz Channel BW)**

FCC 47 CFR part 22
(2016)

23. May 2017

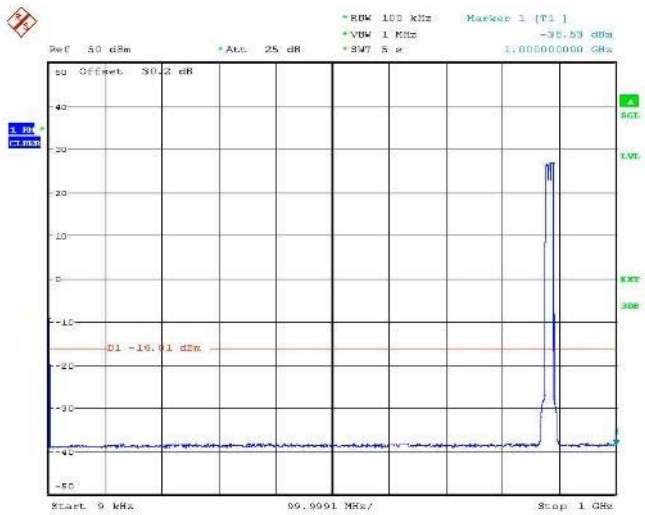
Page 353 of 427



Product Service

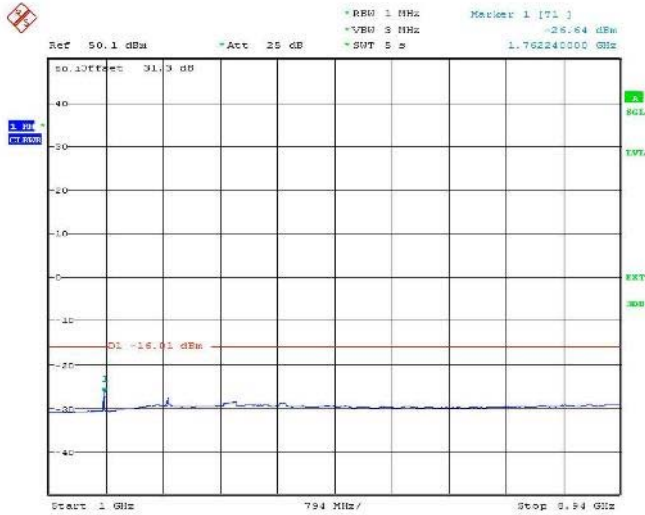
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 25.APR.2017 14:47:06

Figure 526 Spurious Emissions (9kHz – 1GHz) - 64QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)



Date: 26.APR.2017 14:48:16

Figure 527 Spurious Emissions (1GHz – 8.94GHz) – 64QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

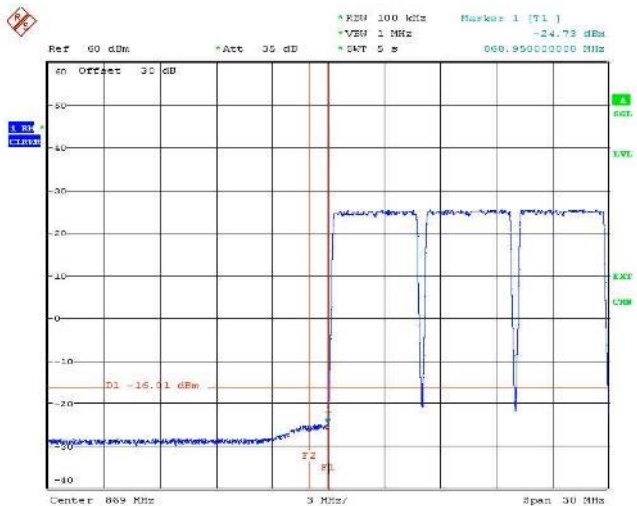
Page 354 of 427



Product Service

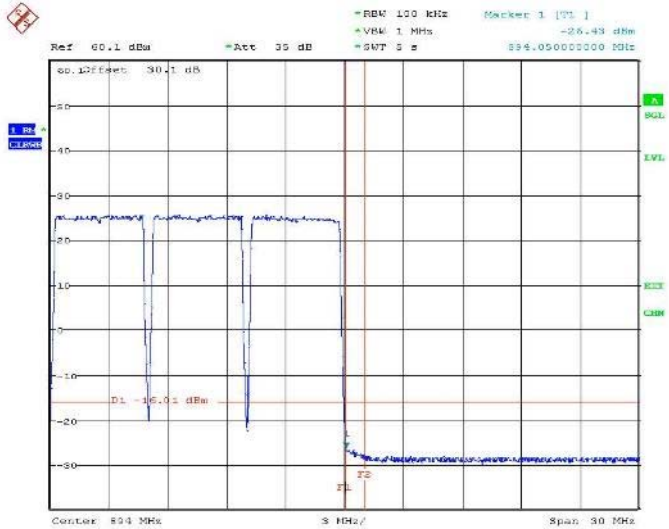
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 13:41:30

Figure 528 Spurious Emissions (Lower Band Edge) – 256QAM (871.5/876.5/881.5 MHz) (5+5+5MHz Channel BW)



Date: 27.APR.2017 09:04:48

Figure 529 Spurious Emissions (Upper Band Edge) – 256QAM (881.5/886.5/891.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

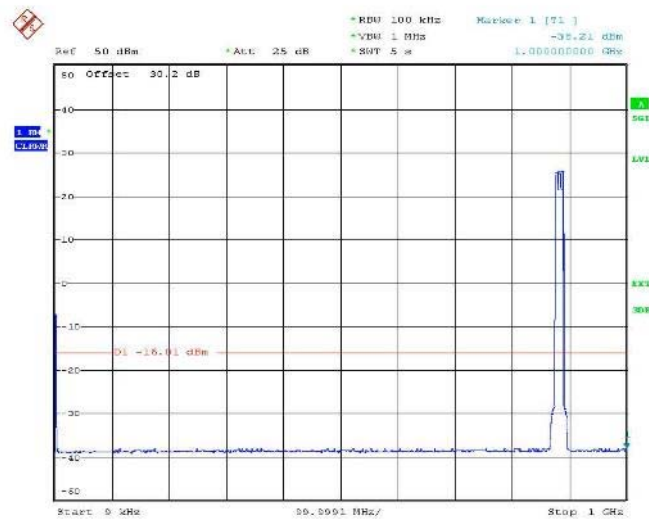
Page 355 of 427



Product Service

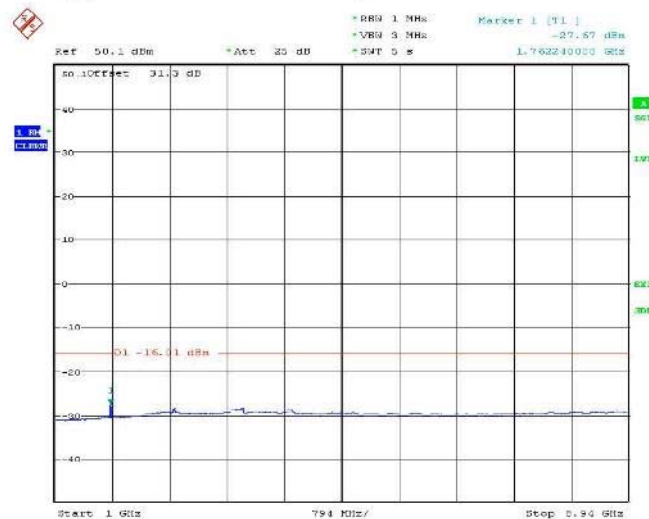
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Data: 27.APR.2017 06:47:20

Figure 530 Spurious Emissions (9kHz – 1GHz) - 256QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)



Data: 27.APR.2017 06:47:59

Figure 531 Spurious Emissions (1GHz – 8.94GHz) – 256QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

Page 356 of 427

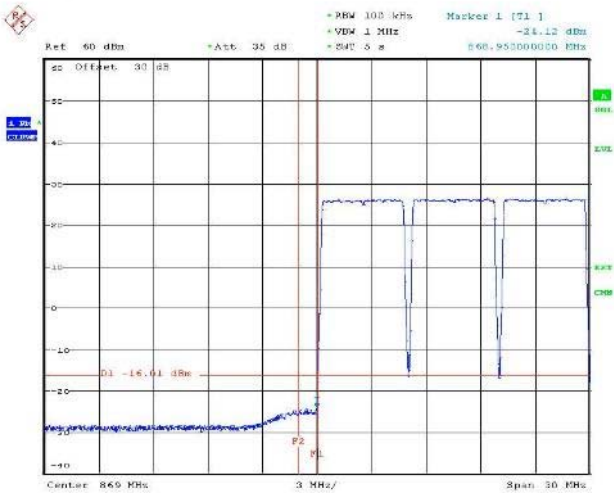


Product Service

FCC ID:
VBNAHCA-01

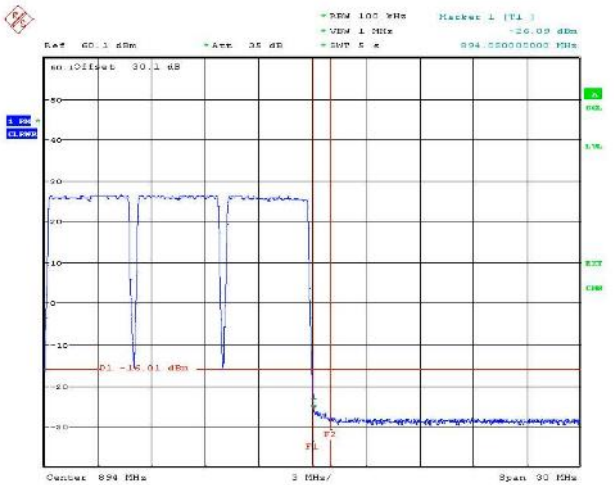
Test Report No:
D555647736

Config H ANT3:



Date: 26.APR.2017 15:03:47

Figure 532 Spurious Emissions (Lower Band Edge) – QPSK (871.5/876.5/881.5 MHz) (5+5+5MHz Channel BW)



Date: 27.APR.2017 08:11:46

Figure 533 Spurious Emissions (Upper Band Edge) – QPSK (881.5/886.5/891.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

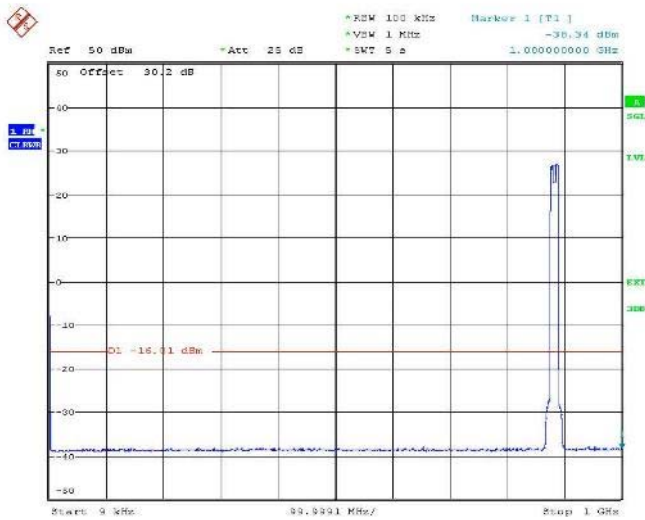
Page 357 of 427



Product Service

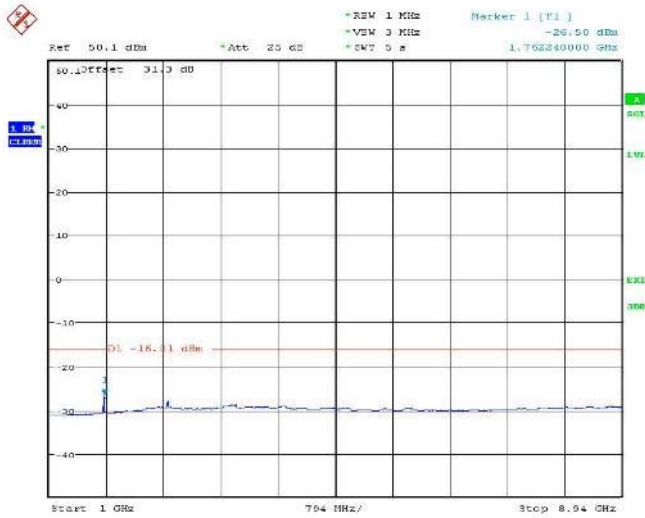
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 14:57:18

Figure 534 Spurious Emissions (9kHz – 1GHz) - QPSK (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)



Date: 26.APR.2017 14:58:15

Figure 535 Spurious Emissions (1GHz – 8.94GHz) – QPSK (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

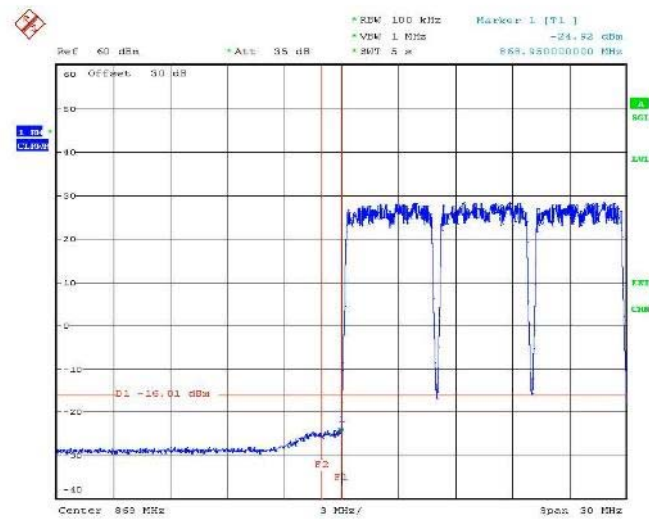
Page 358 of 427



Product Service

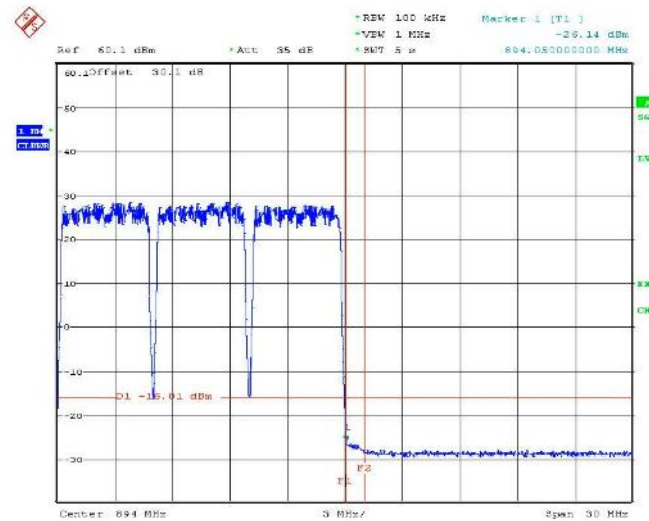
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 13:08:17

**Figure 536 Spurious Emissions (Lower Band Edge) – 16QAM
(871.5/876.5/881.5 MHz) (5+5+5MHz Channel BW)**



Date: 27.APR.2017 08:17:23

**Figure 537 Spurious Emissions (Upper Band Edge) – 16QAM
(881.5/886.5/891.5 MHz) (5+5+5MHz Channel BW)**

FCC 47 CFR part 22
(2016)

23. May 2017

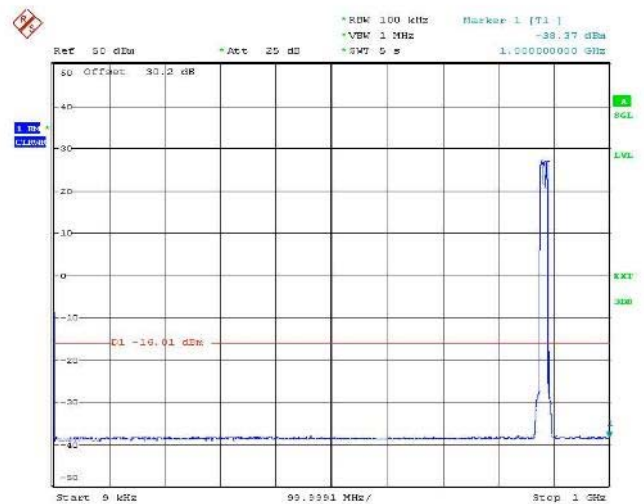
Page 359 of 427



Product Service

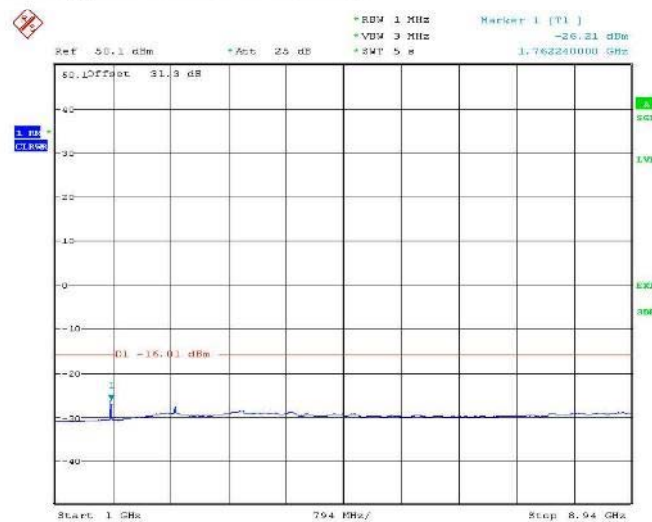
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26. APR. 2017 15:01:35

Figure 538 Spurious Emissions (9kHz – 1GHz) - 16QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)



Date: 26. APR. 2017 15:02:51

Figure 539 Spurious Emissions (1GHz – 8.94GHz) – 16QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

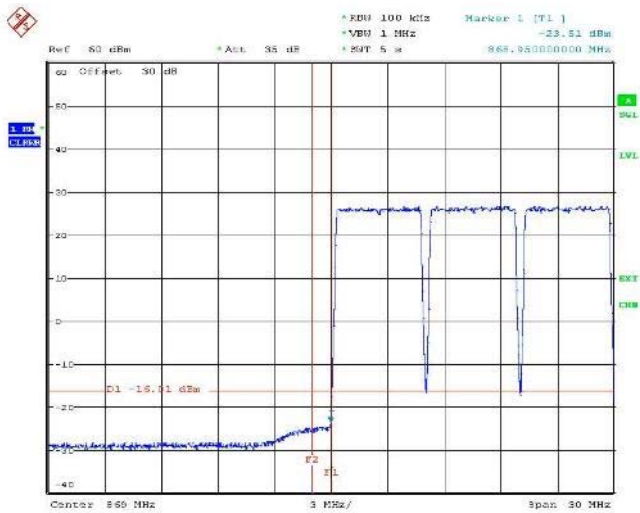
Page 360 of 427



Product Service

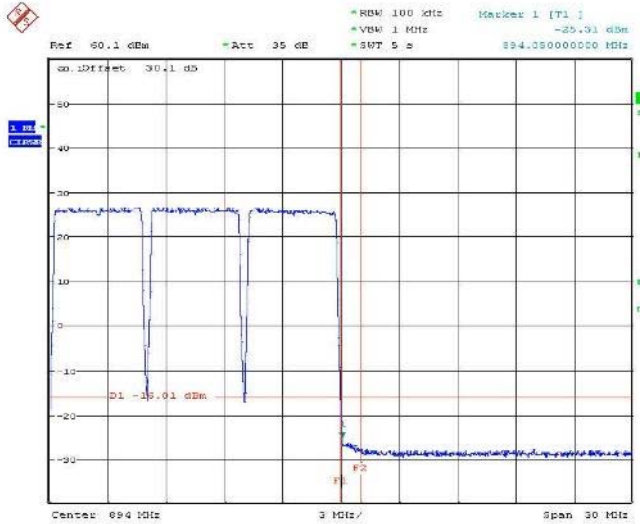
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 13:13:35

**Figure 540 Spurious Emissions (Lower Band Edge) – 64QAM
(871.5/876.5/881.5 MHz) (5+5+5MHz Channel BW)**



Date: 27.APR.2017 08:28:01

**Figure 541 Spurious Emissions (Upper Band Edge) – 64QAM
(881.5/886.5/891.5 MHz) (5+5+5MHz Channel BW)**

FCC 47 CFR part 22
(2016)

23. May 2017

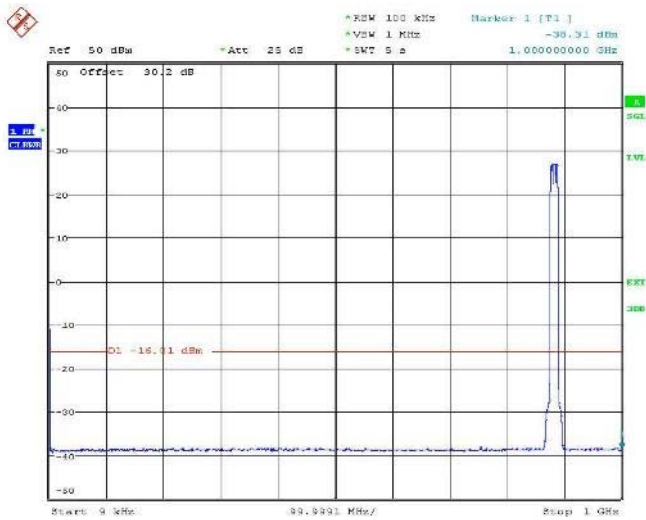
Page 361 of 427



Product Service

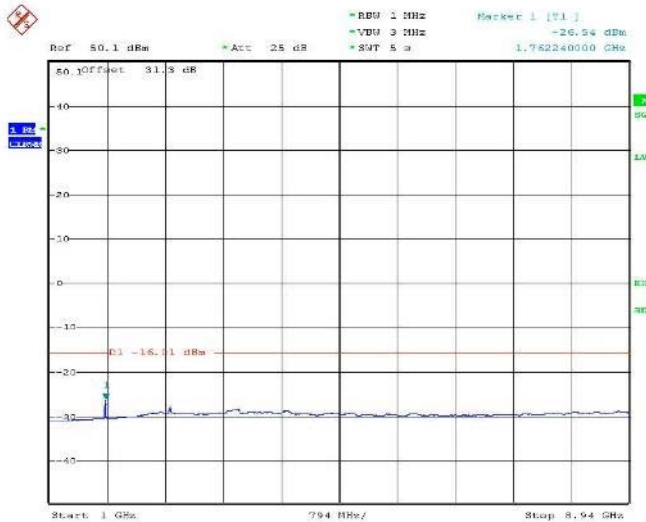
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 15:05:42

Figure 542 Spurious Emissions (9kHz – 1GHz) - 64QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)



Date: 26.APR.2017 15:06:47

Figure 543 Spurious Emissions (1GHz – 8.94GHz) – 64QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

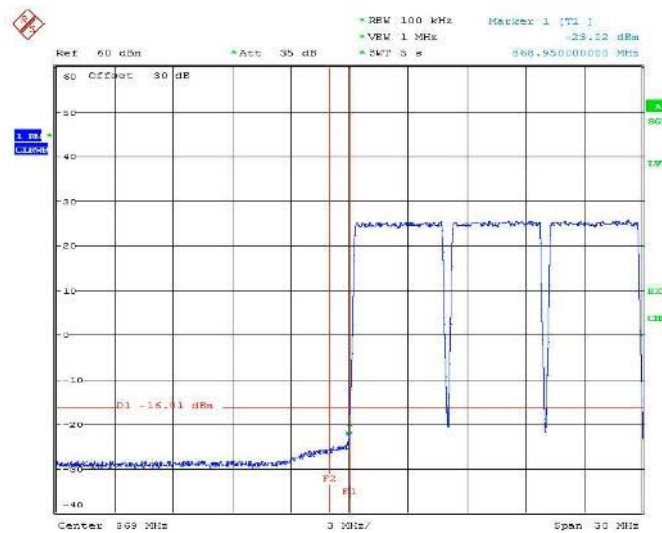
Page 362 of 427



Product Service

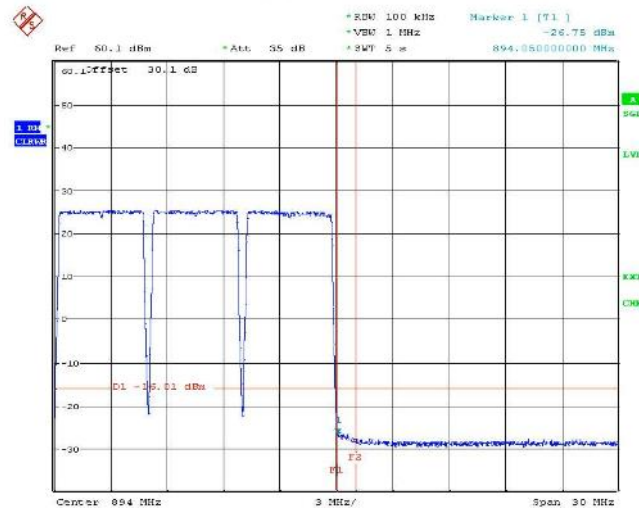
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 13:29:51

**Figure 544 Spurious Emissions (Lower Band Edge) – 256QAM
(871.5/876.5/881.5 MHz) (5+5+5MHz Channel BW)**



Date: 27.APR.2017 07:52:04

**Figure 545 Spurious Emissions (Upper Band Edge) – 256QAM
(881.5/886.5/891.5 MHz) (5+5+5MHz Channel BW)**

FCC 47 CFR part 22
(2016)

23. May 2017

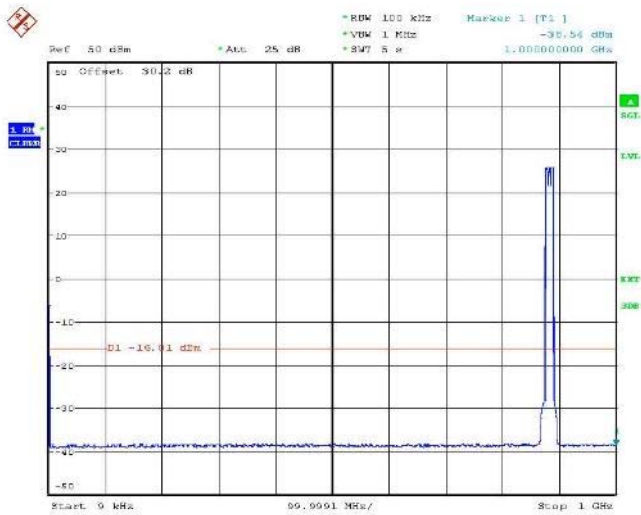
Page 363 of 427



Product Service

FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 27.APR.2017 06:34:09

Figure 546 Spurious Emissions (9kHz – 1GHz) - 256QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)



Date: 27.APR.2017 06:35:02

Figure 547 Spurious Emissions (1GHz – 8.94GHz) – 256QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

Page 364 of 427

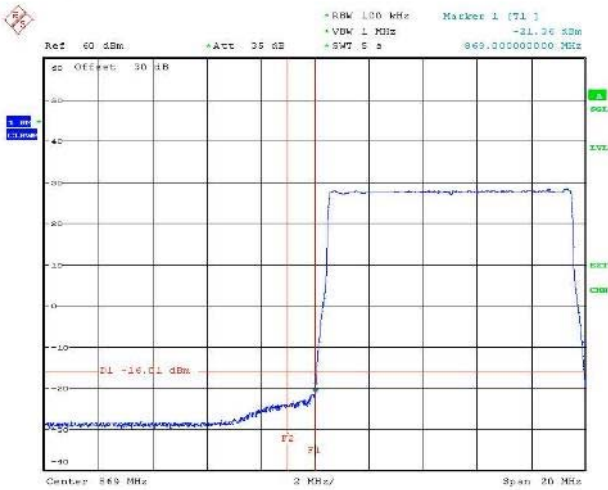


Product Service

FCC ID:
VBNAHCA-01

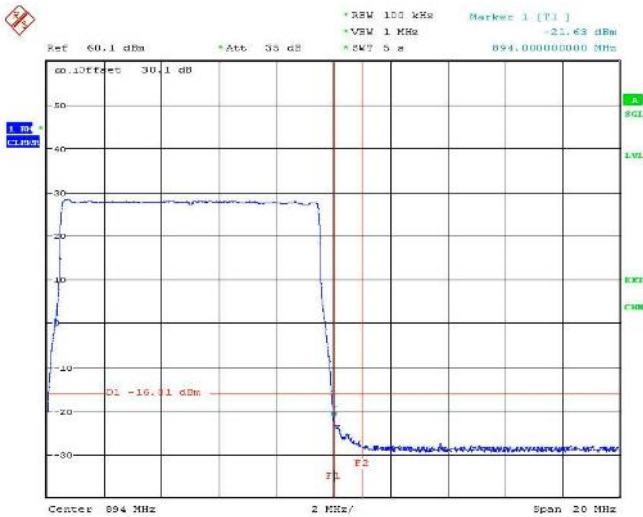
Test Report No:
D555647736

Config I ANT1:



Date: 27.APR.2017 10:57:00

Figure 548 Spurious Emissions (Lower Band Edge) – QPSK (874 MHz)
(10MHz Channel BW)



Date: 28.APR.2017 08:26:40

Figure 549 Spurious Emissions (Upper Band Edge) – QPSK (889 MHz)
(10MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

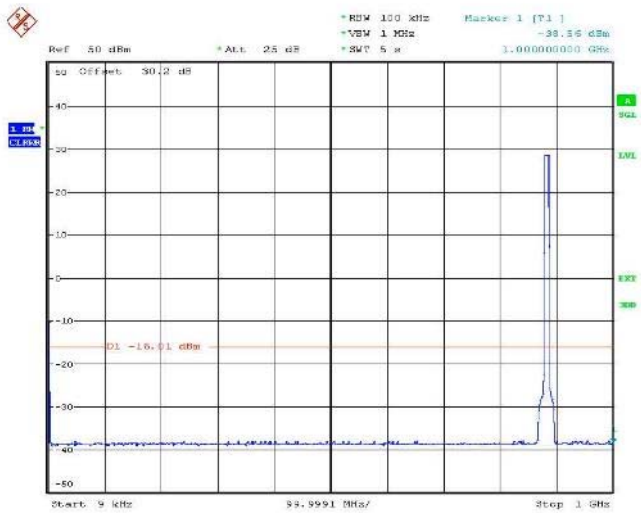
Page 365 of 427



Product Service

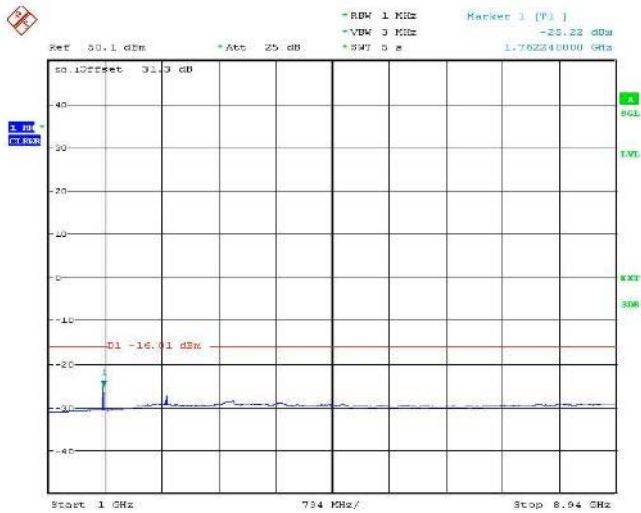
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 28.APR.2017 08:03:19

Figure 550 Spurious Emissions (9kHz – 1GHz) - QPSK (881.5 MHz) (10MHz Channel BW)



Date: 28.APR.2017 08:04:06

Figure 551 Spurious Emissions (1GHz – 8.94GHz) – QPSK (881.5 MHz) (10MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

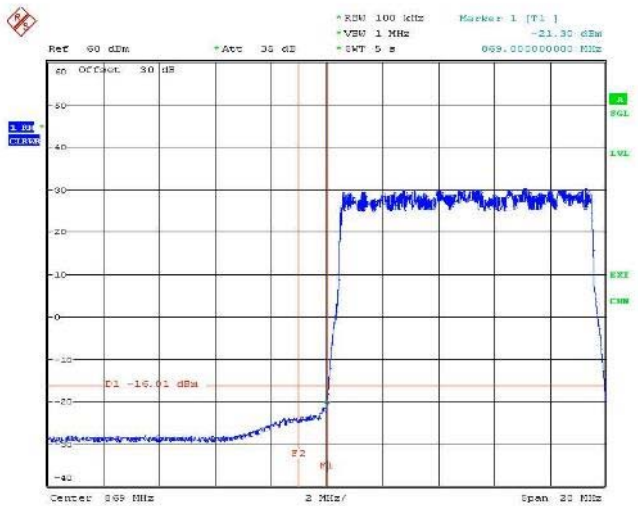
Page 366 of 427



Product Service

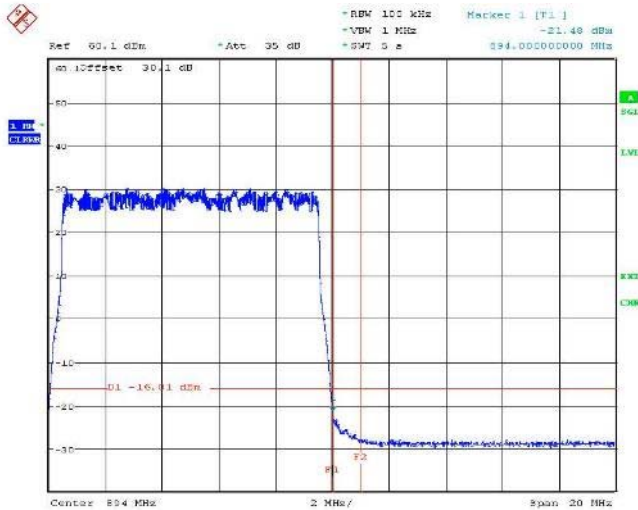
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 27.APR.2017 11:00:35

**Figure 552 Spurious Emissions (Lower Band Edge) – 16QAM (874 MHz)
(10MHz Channel BW)**



Date: 28.APR.2017 08:35:24

**Figure 553 Spurious Emissions (Upper Band Edge) – 16QAM (889 MHz)
(10MHz Channel BW)**

FCC 47 CFR part 22
(2016)

23. May 2017

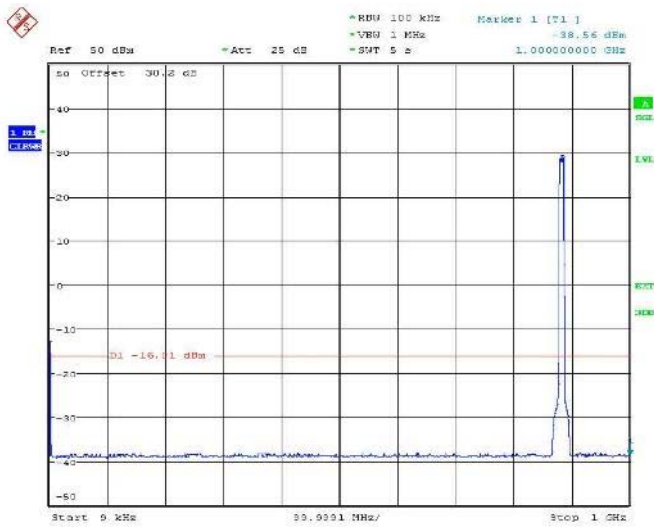
Page 367 of 427



Product Service

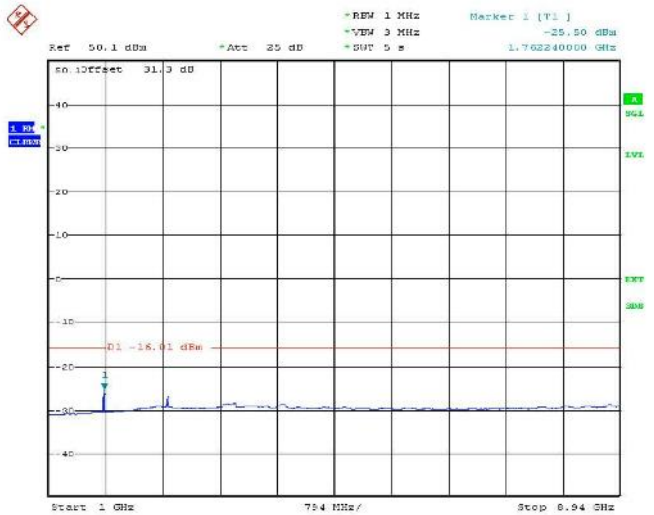
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 28.APR.2017 08:07:20

Figure 554 Spurious Emissions (9kHz – 1GHz) - 16QAM (881.5 MHz) (10MHz Channel BW)



Date: 28.APR.2017 08:08:11

Figure 555 Spurious Emissions (1GHz – 8.94GHz) – 16QAM (881.5 MHz) (10MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

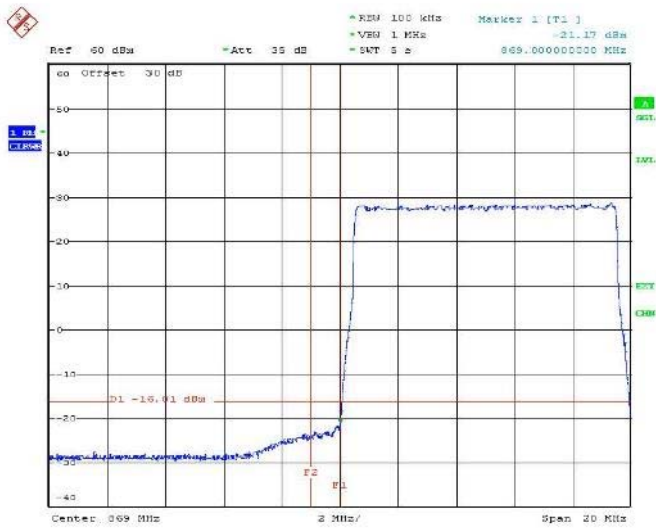
Page 368 of 427



Product Service

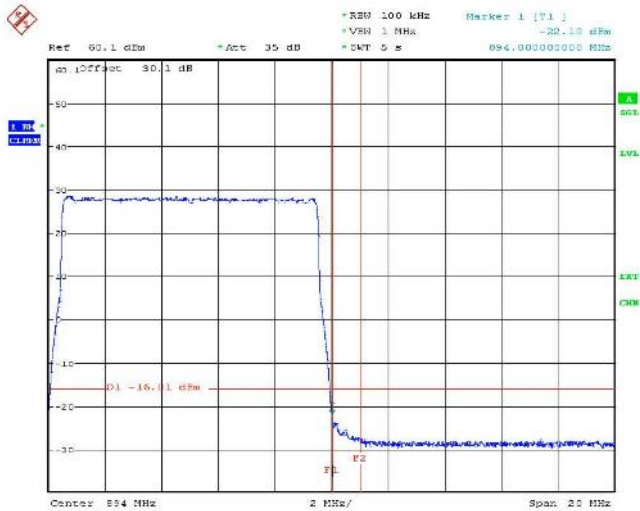
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 27.APR.2017 11:03:34

**Figure 556 Spurious Emissions (Lower Band Edge) – 64QAM (874 MHz)
(10MHz Channel BW)**



Date: 28.APR.2017 08:53:00

**Figure 557 Spurious Emissions (Upper Band Edge) – 64QAM (889 MHz)
(10MHz Channel BW)**

FCC 47 CFR part 22
(2016)

23. May 2017

Page 369 of 427