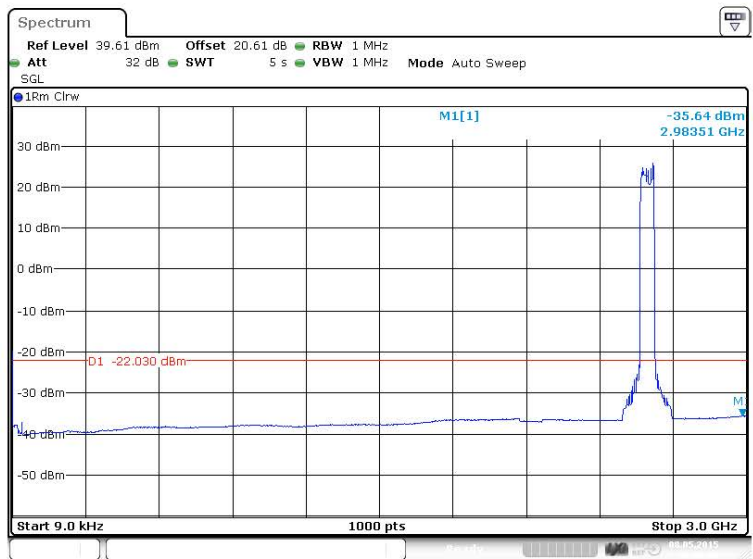




Product Service

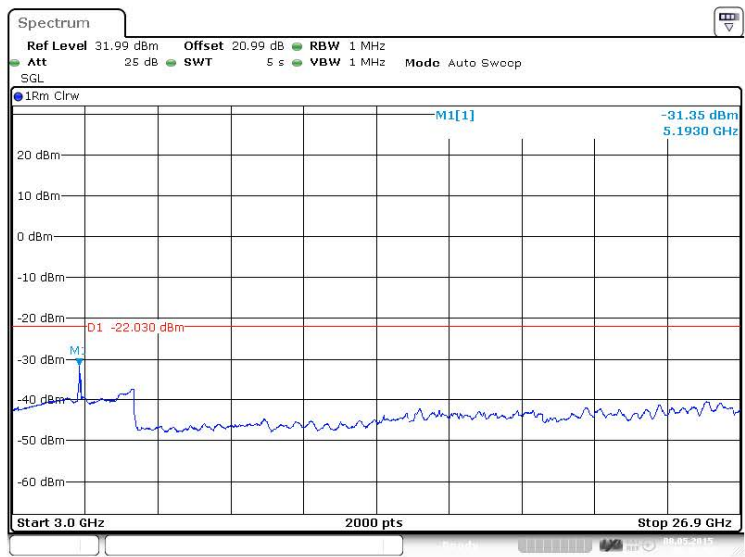
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 8.MAY.2015 08:30:40

Figure 257 Spurious Emissions (9kHz – 3GHz) - 16QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 8.MAY.2015 08:31:52

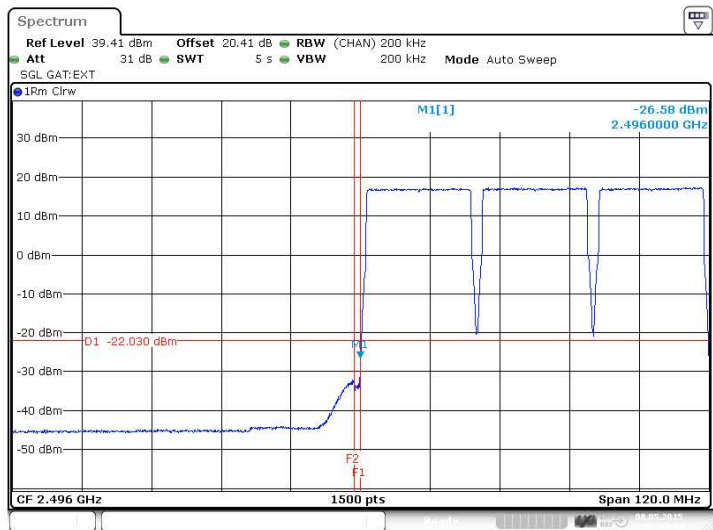
Figure 258 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Product Service

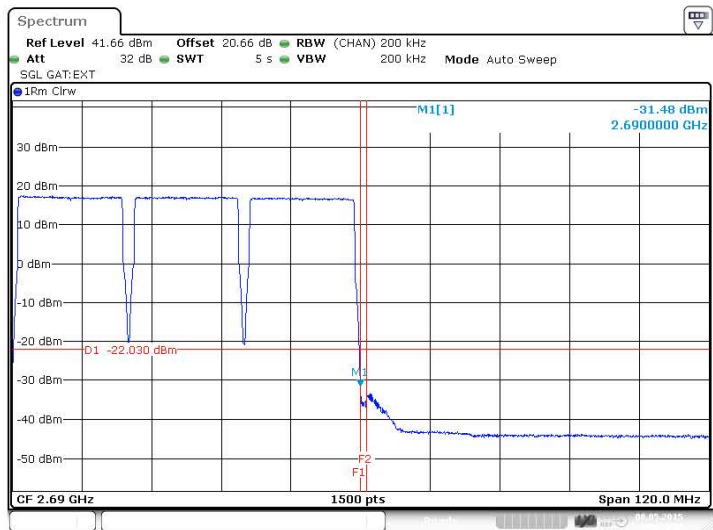
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 8.MAY.2015 07:04:18

**Figure 259 Spurious Emissions (Lower Band Edge) – 64QAM
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)**



Date: 8.MAY.2015 09:55:00

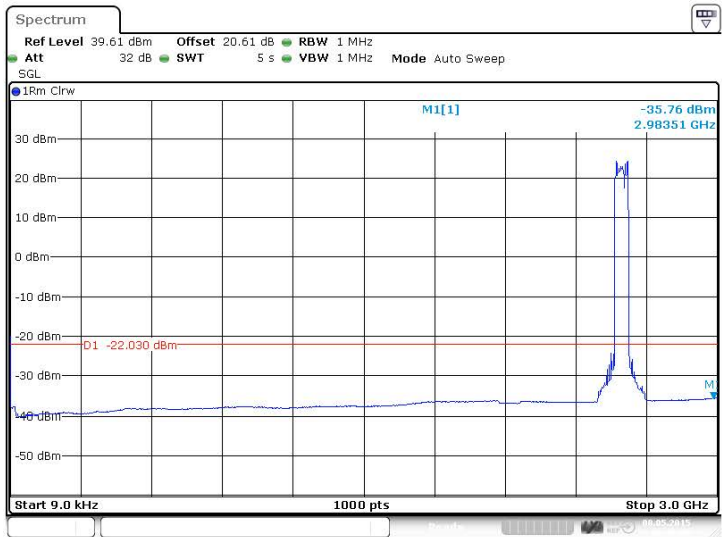
**Figure 300 Spurious Emissions (Upper Band Edge) – 64QAM
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)**



Product Service

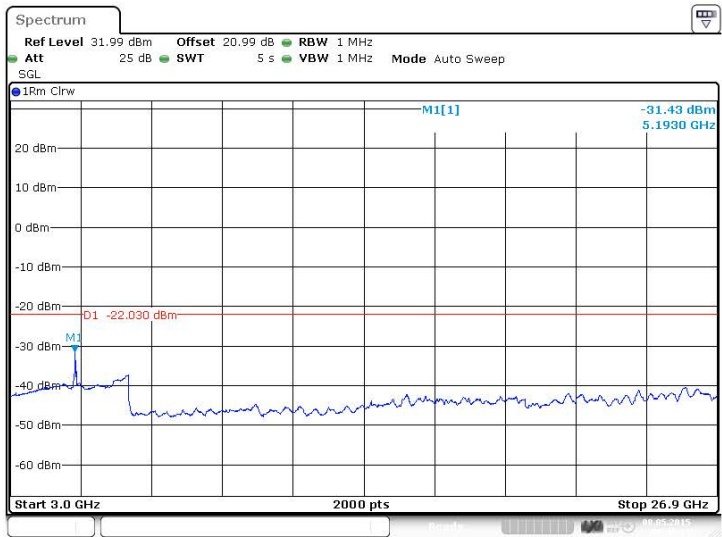
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 8.MAY.2015 08:45:10

Figure 301 Spurious Emissions (9kHz – 3GHz) - 64QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 8.MAY.2015 08:46:11

Figure 302 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)

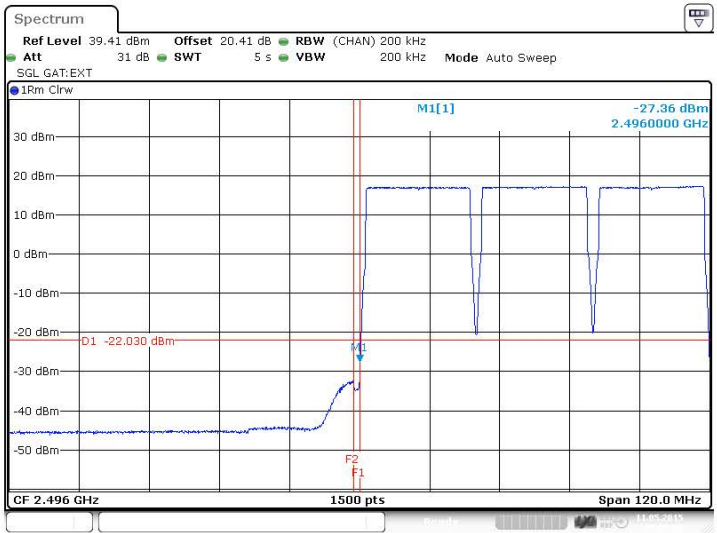


Product Service

FCC ID:
VBNFZHJ-01

Test Report No:
D532085264

Config B ANT2:



Date: 11.MAY.2015 08:09:02

Figure 303 Spurious Emissions (Lower Band Edge) – QPSK
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)



Date: 8.MAY.2015 11:26:09

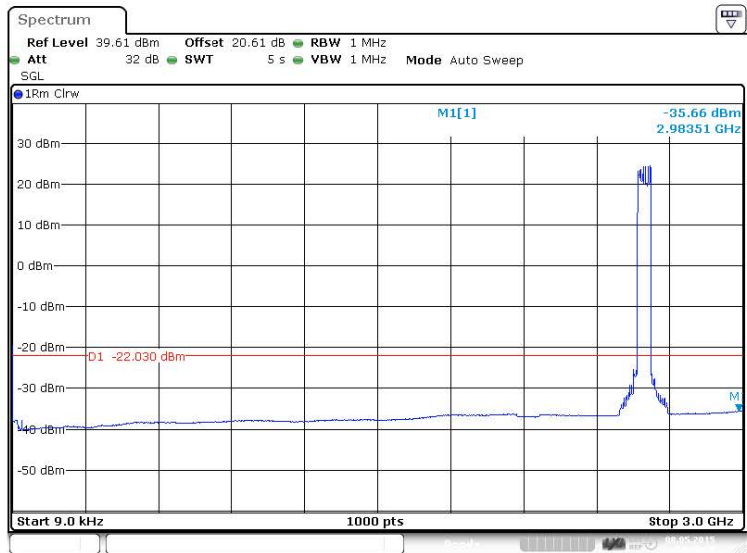
Figure 304 Spurious Emissions (Upper Band Edge) – QPSK
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)



Product Service

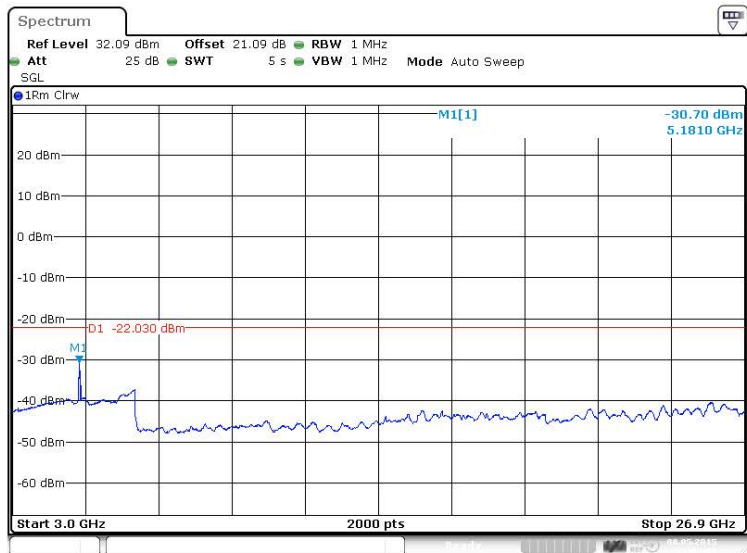
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 8.MAY.2015 14:26:48

Figure 305 Spurious Emissions (9kHz – 3GHz) - QPSK (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 8.MAY.2015 14:27:31

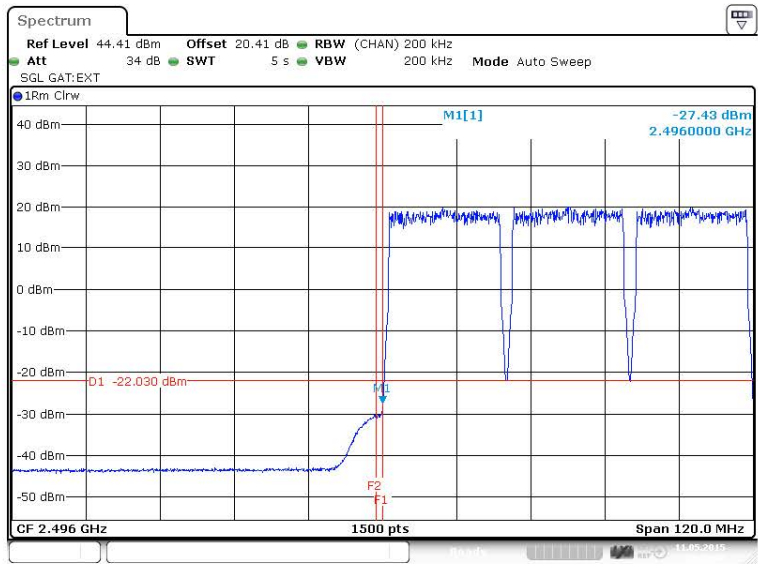
Figure 306 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Product Service

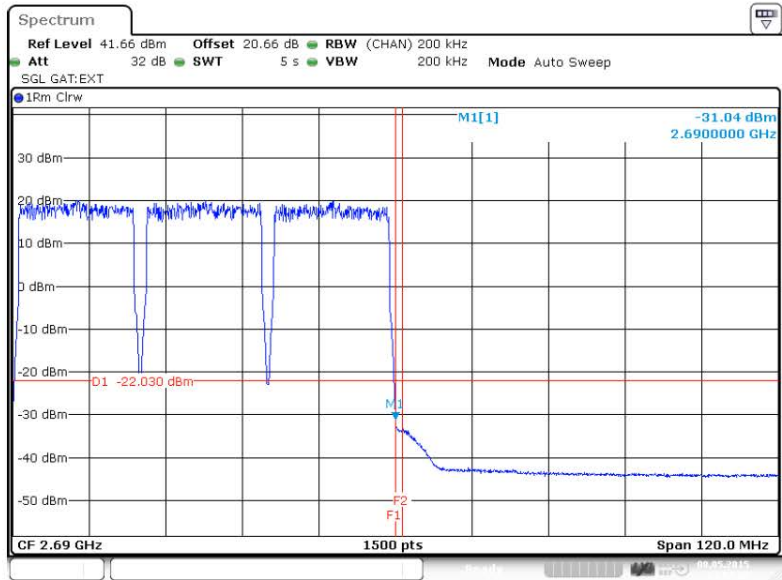
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 11.MAY.2015 09:36:07

**Figure 307 Spurious Emissions (Lower Band Edge) – 16QAM
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)**



Date: 8.MAY.2015 11:57:22

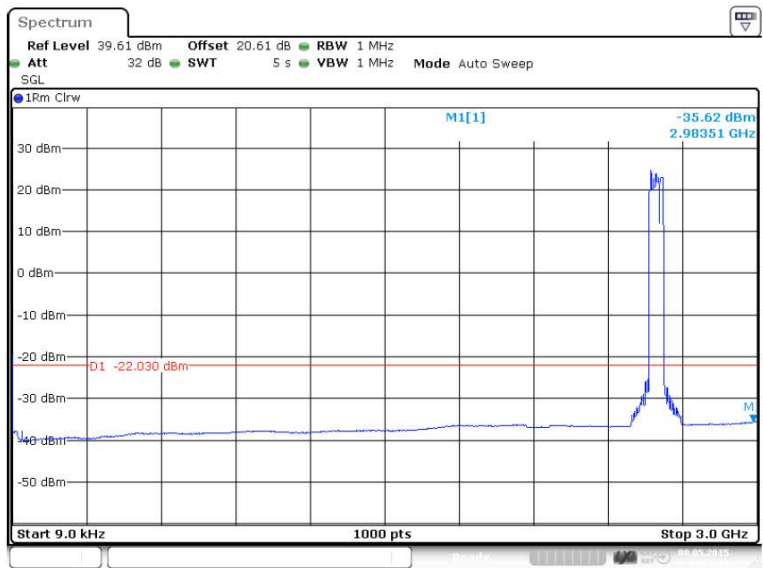
**Figure 308 Spurious Emissions (Upper Band Edge) – 16QAM
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)**



Product Service

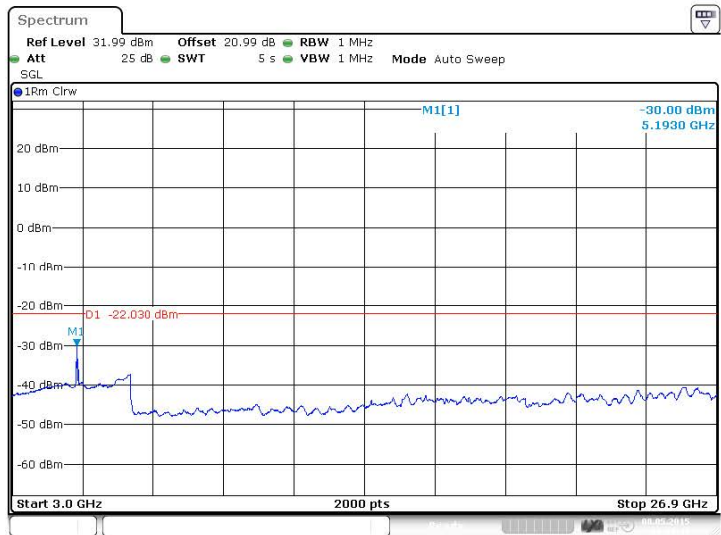
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 8.MAY.2015 14:11:16

Figure 309 Spurious Emissions (9kHz – 3GHz) - 16QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 8.MAY.2015 14:13:50

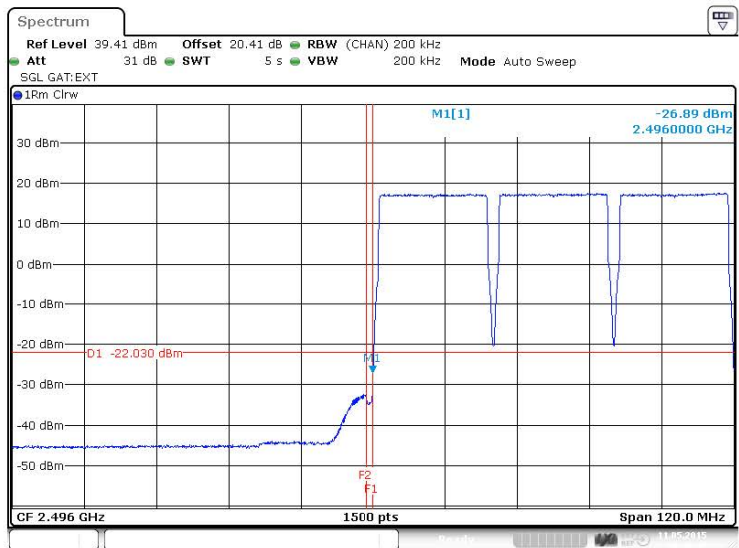
Figure 310 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Product Service

FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 11.MAY.2015 10:49:47

**Figure 311 Spurious Emissions (Lower Band Edge) – 64QAM
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)**



Date: 8.MAY.2015 12:10:50

**Figure 312 Spurious Emissions (Upper Band Edge) – 64QAM
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)**



Product Service

FCC ID:
VBNFZHJ-01

Test Report No:
D532085264

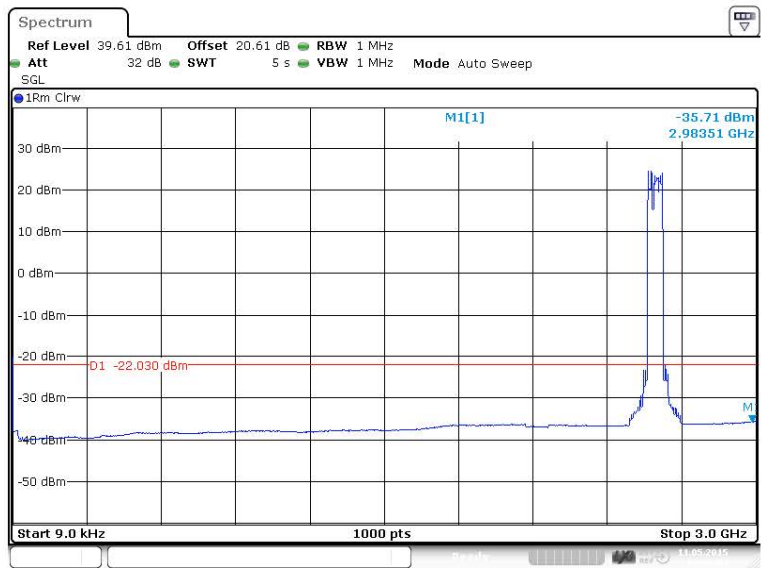


Figure 313 Spurious Emissions (9kHz – 3GHz) - 64QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)

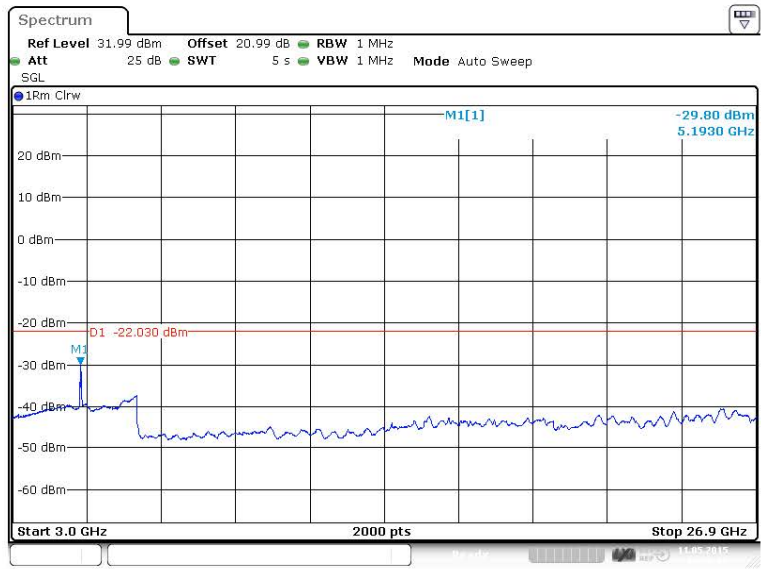


Figure 314 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)

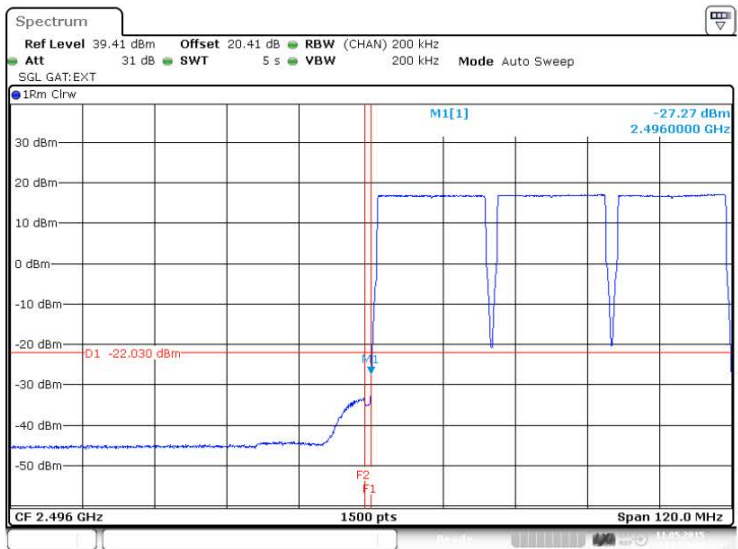


Product Service

FCC ID:
VBNFZHJ-01

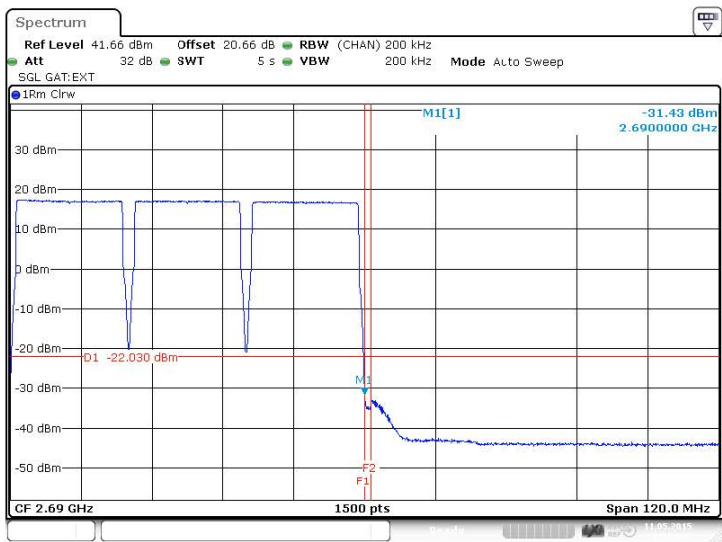
Test Report No:
D532085264

Config B ANT3:



Date: 11.MAY.2015 11:24:48

Figure 69 Spurious Emissions (Lower Band Edge) – QPSK (2506/2526.0/2546.0 MHz) (20MHz Channel BW)



Date: 11.MAY.2015 14:15:36

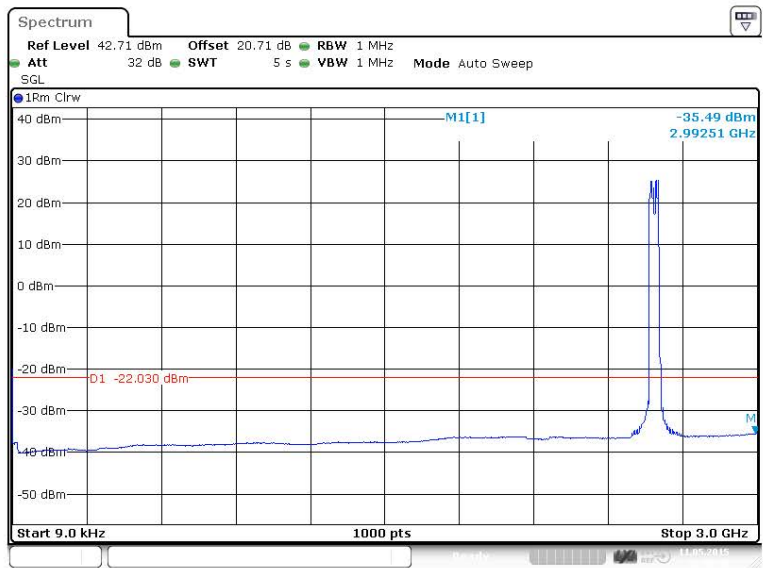
Figure 317 Spurious Emissions (Upper Band Edge) – QPSK (2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)



Product Service

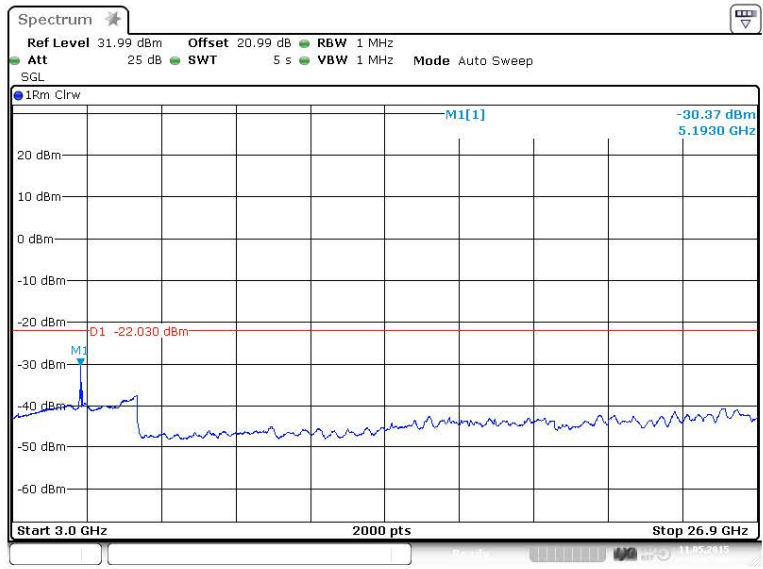
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 11.MAY.2015 12:15:45

Figure 318 Spurious Emissions (9kHz – 3GHz) - QPSK (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 11.MAY.2015 12:17:29

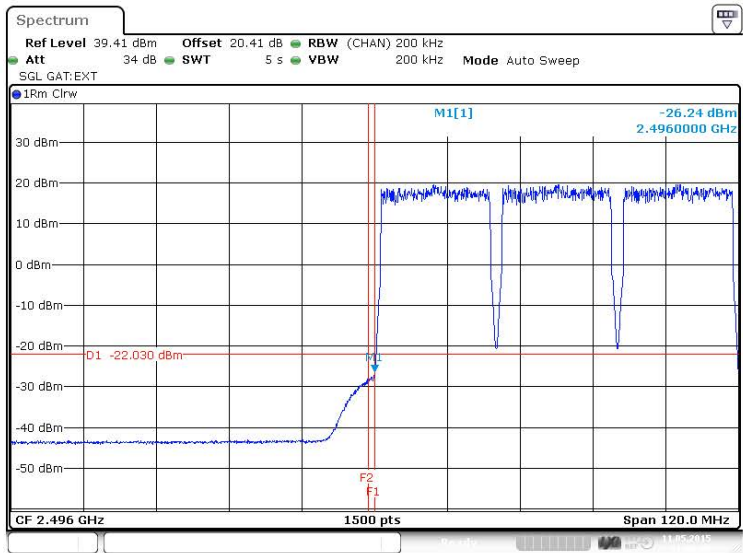
Figure 319 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



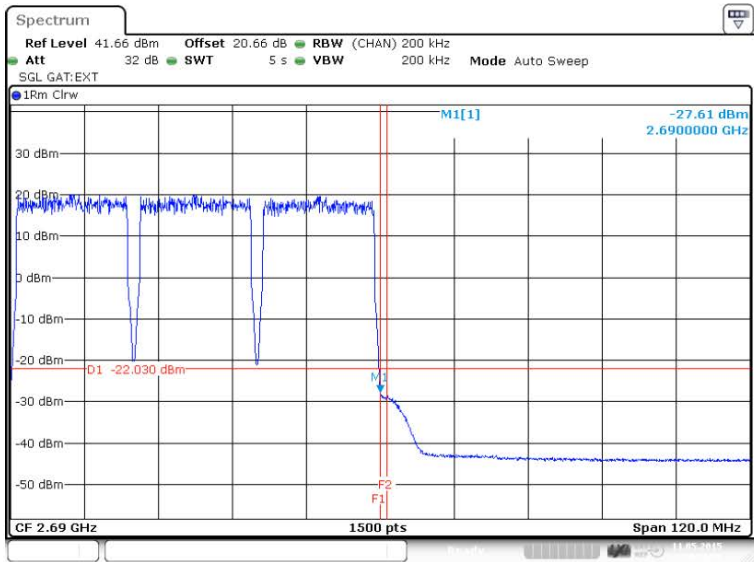
Product Service

FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



**Figure 320 Spurious Emissions (Lower Band Edge) – 16QAM
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)**



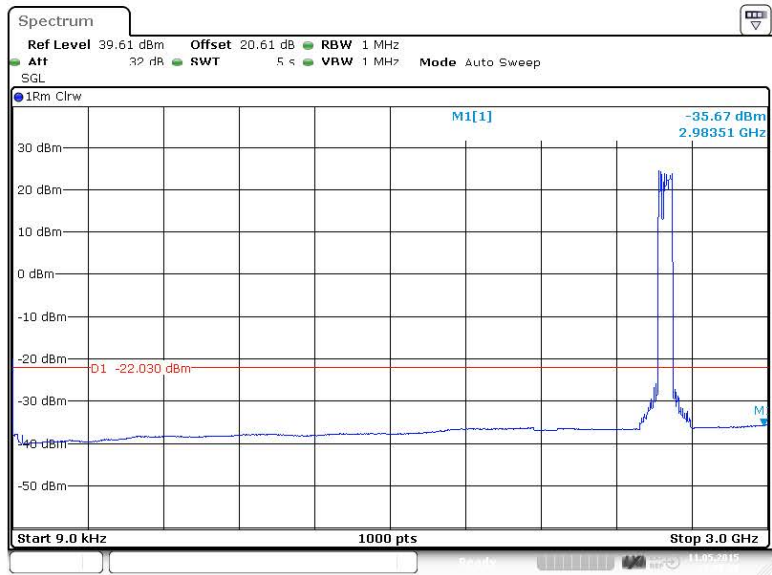
**Figure 321 Spurious Emissions (Upper Band Edge) – 16QAM
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)**



Product Service

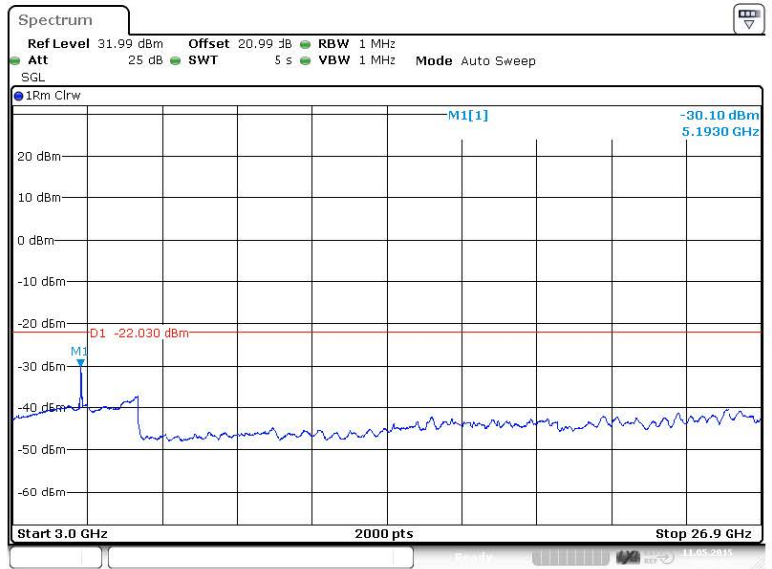
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



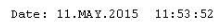
Date: 11.MAY.2015 12:30:10

Figure 322 Spurious Emissions (9kHz – 3GHz) - 16QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 11.MAY.2015 12:31:54

Figure 323 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Spectrum

Ref Level 41.66 dBm Offset 20.66 dB RBW (CHAN) 200 kHz
Att 32 dB SWT 5 s VBW 200 kHz Mode Auto Sweep
SGL GAT:EXT

1Rm Clrw

30 dBm
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm

M1[1] -30.78 dBm 2.6900000 GHz

D1 -22.030 dBm

M1
F2
F1

CF 2.69 GHz 1500 pts Span 120.0 MHz

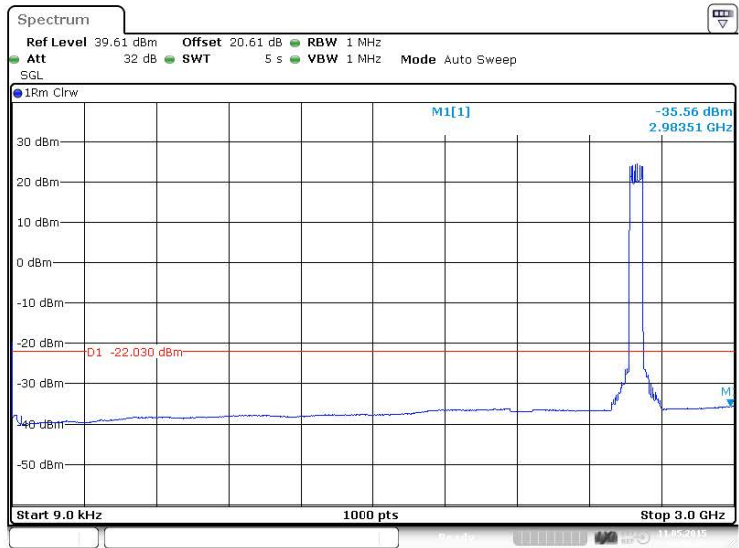
Page 192 of 237
02.Jun



Product Service

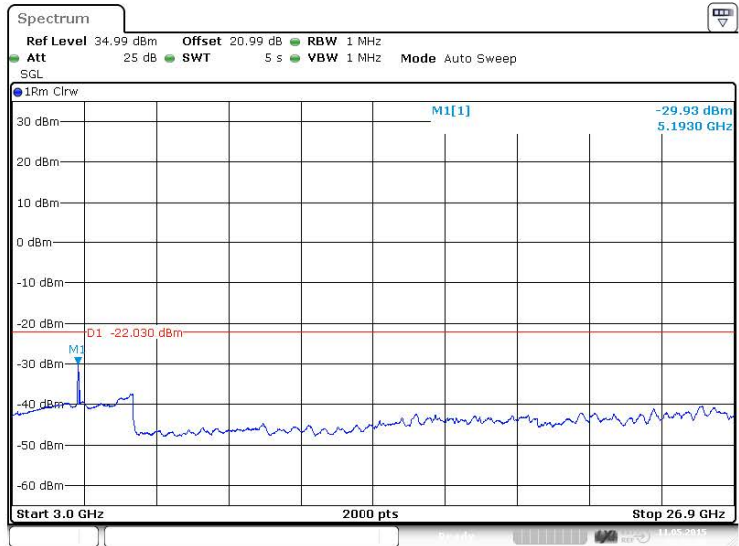
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 11.MAY.2015 13:50:23

Figure 326 Spurious Emissions (9kHz – 3GHz) - 64QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 11.MAY.2015 13:52:05

Figure 327 Spurious Emissions (3GHz – 26.900GHz) –64QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)

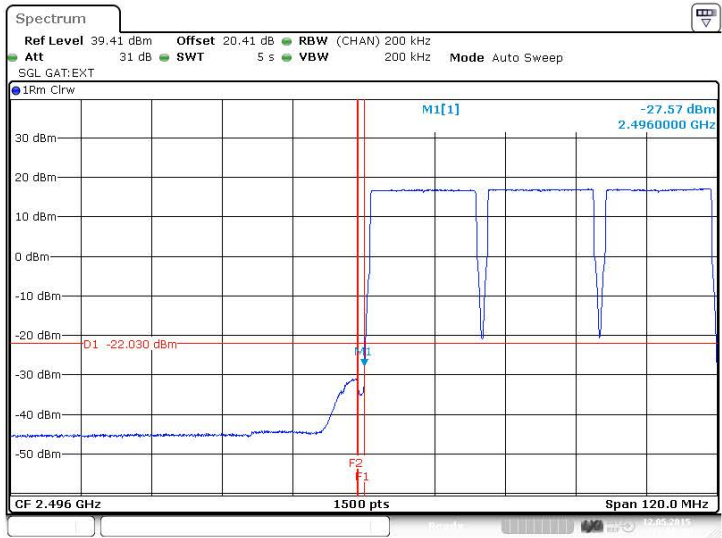


Product Service

FCC ID:
VBNFZHJ-01

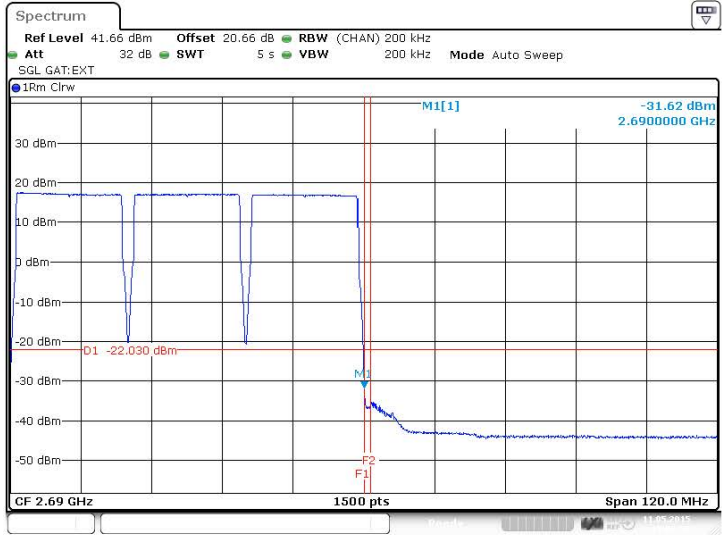
Test Report No:
D532085264

Config B ANT4:



Date: 12.MAY.2015 11:23:50

Figure 328 Spurious Emissions (Lower Band Edge) – QPSK
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)



Date: 11.MAY.2015 15:06:55

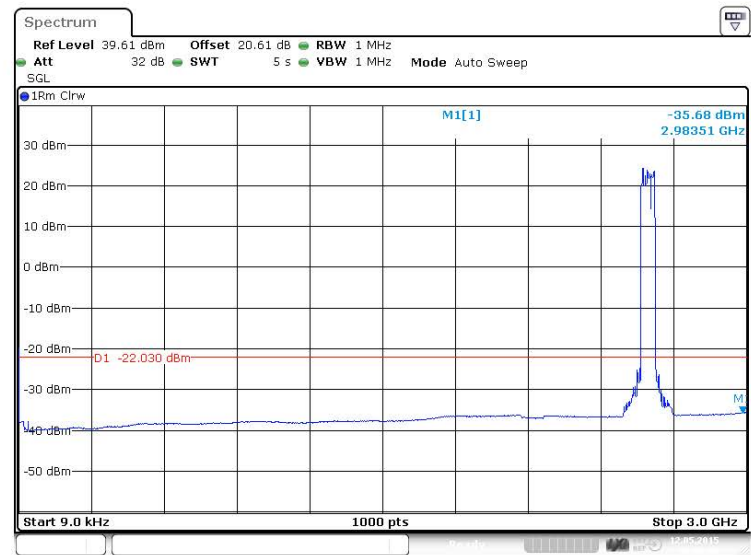
Figure 329 Spurious Emissions (Upper Band Edge) – QPSK
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)



Product Service

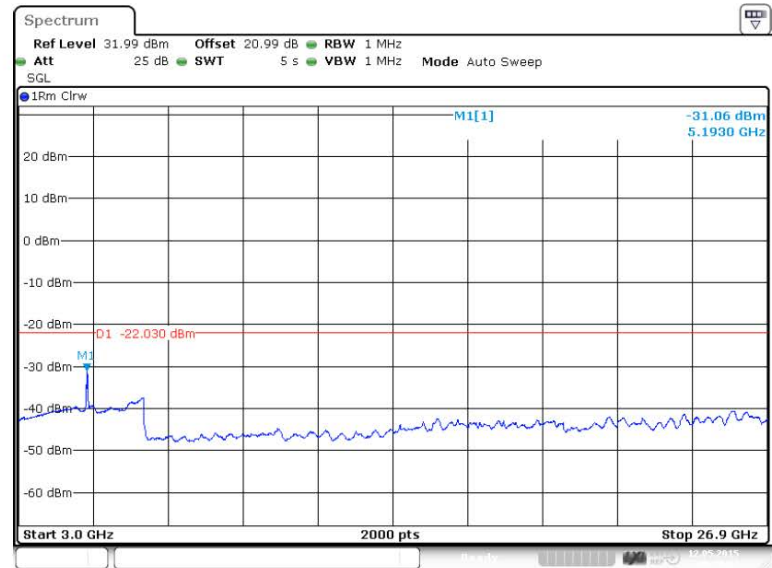
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 12.MAY.2015 09:38:30

Figure 330 Spurious Emissions (9kHz – 3GHz) - QPSK (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 12.MAY.2015 09:39:24

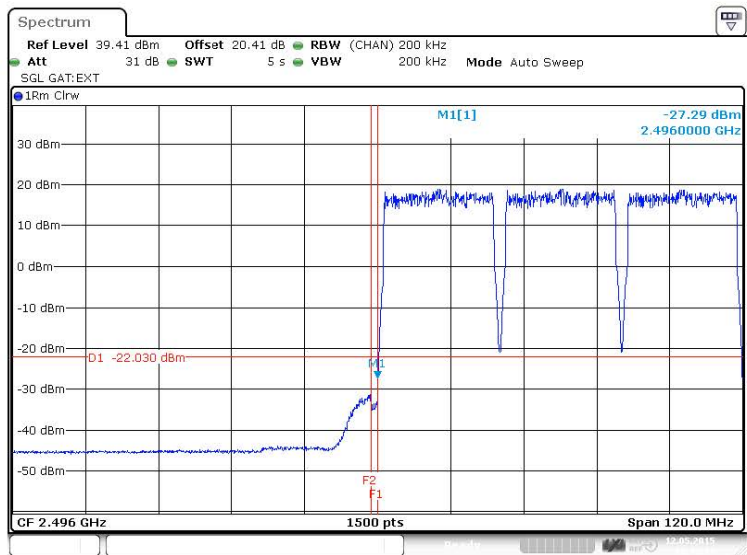
Figure 331 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Product Service

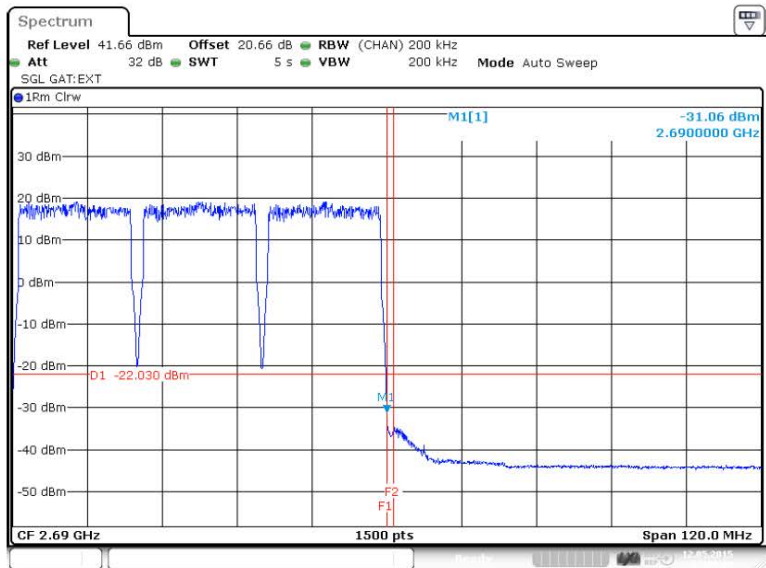
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 12.MAY.2015 11:43:18

**Figure 332 Spurious Emissions (Lower Band Edge) – 16QAM
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)**



Date: 12.MAY.2015 07:30:08

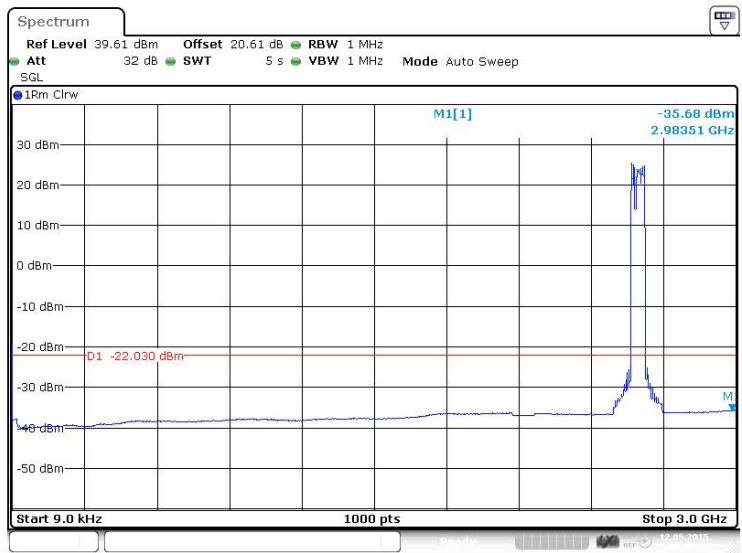
**Figure 333 Spurious Emissions (Upper Band Edge) – 16QAM
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)**



Product Service

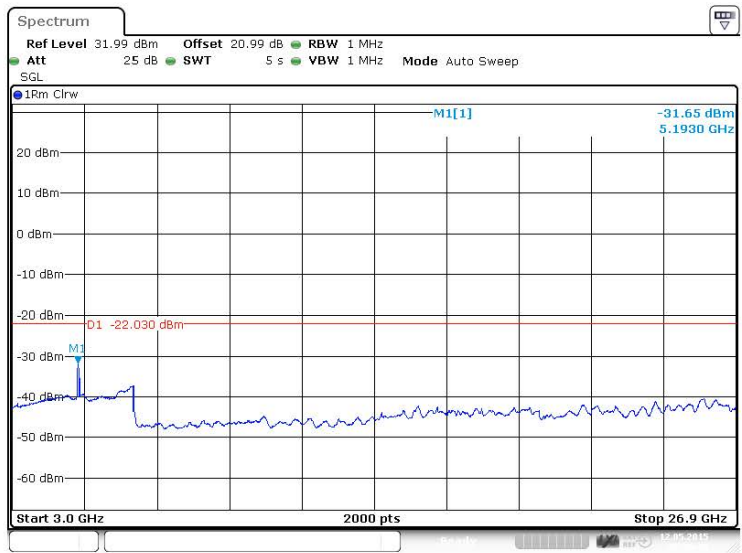
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 12.MAY.2015 09:49:31

Figure 334 Spurious Emissions (9kHz – 3GHz) - 16QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 12.MAY.2015 09:50:48

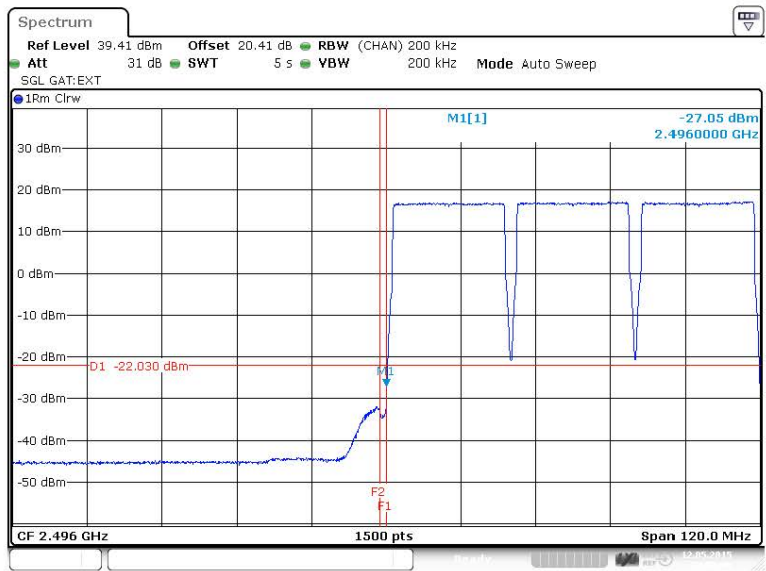
Figure 335 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Product Service

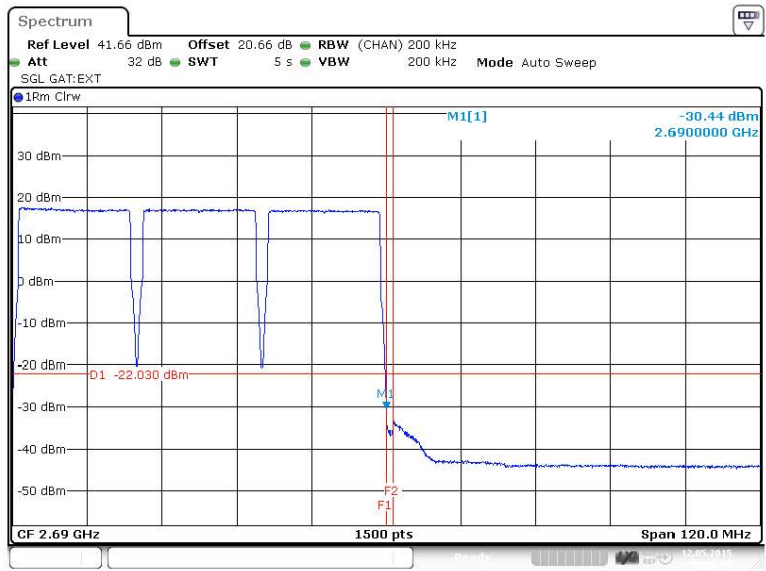
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 12.MAY.2015 12:00:40

**Figure 336 Spurious Emissions (Lower Band Edge) – 64QAM
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)**



Date: 12.MAY.2015 09:16:46

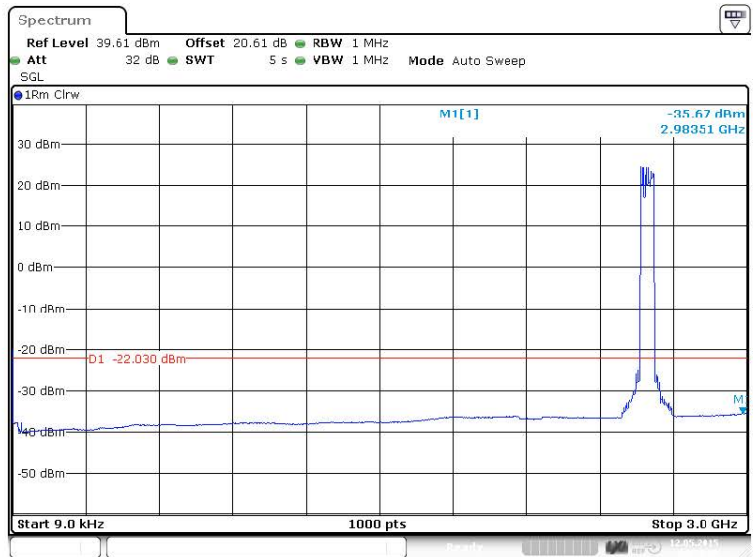
**Figure 337 Spurious Emissions (Upper Band Edge) – 64QAM
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)**



Product Service

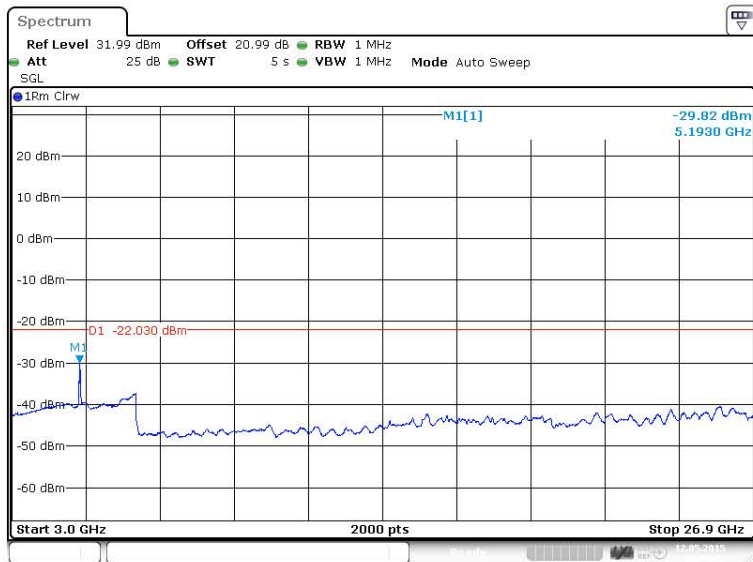
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 12.MAY.2015 10:59:27

Figure 338 Spurious Emissions (9kHz – 3GHz) - 64QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 12.MAY.2015 11:00:42

Figure 339 Spurious Emissions (3GHz – 26.900GHz) –64QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)

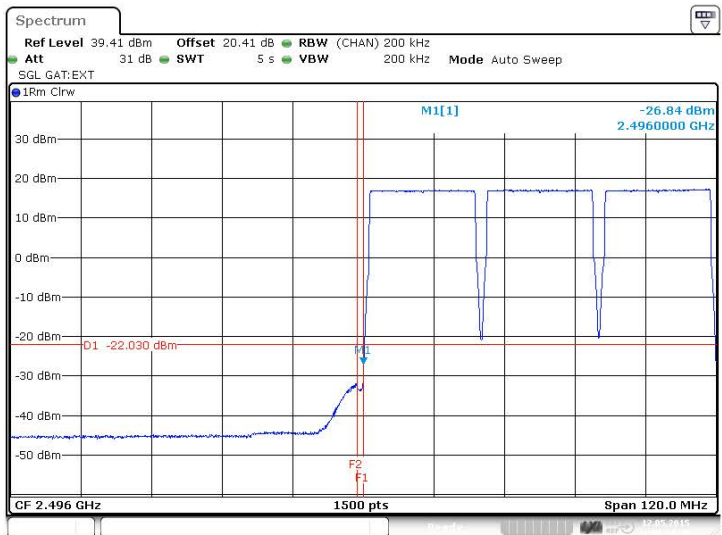


Product Service

FCC ID:
VBNFZHJ-01

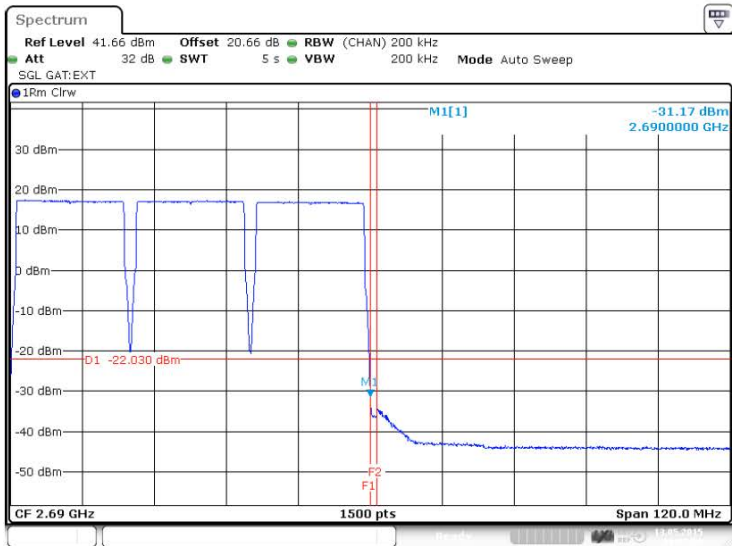
Test Report No:
D532085264

Config B ANT5:



Date: 12.MAY.2015 12:24:49

Figure 340 Spurious Emissions (Lower Band Edge) – QPSK
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)



Date: 13.MAY.2015 09:07:59

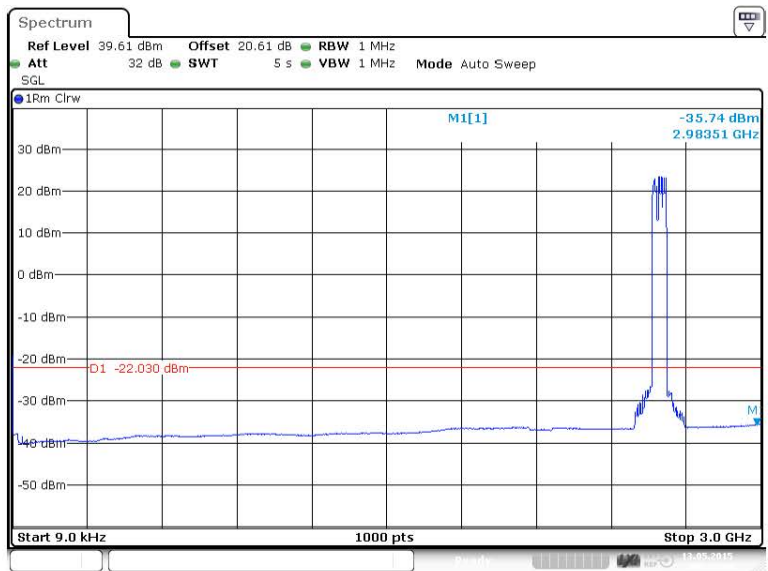
Figure 341 Spurious Emissions (Upper Band Edge) – QPSK
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)



Product Service

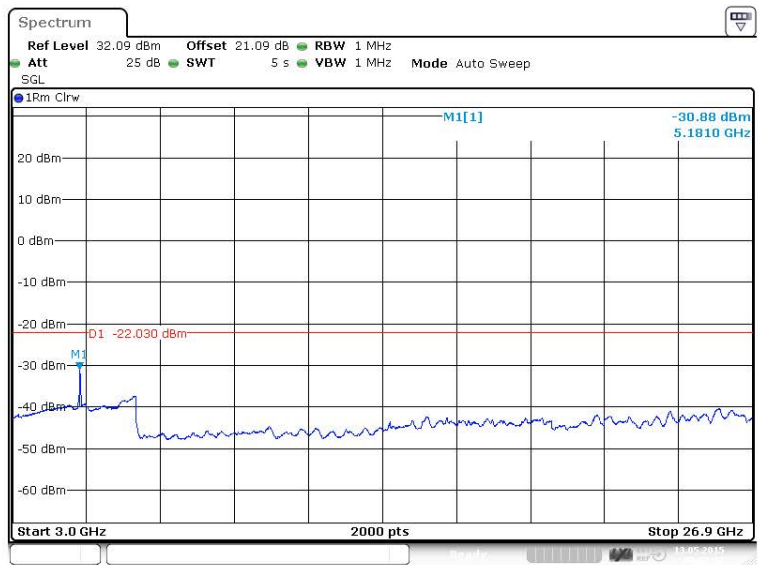
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 13.MAY.2015 08:31:19

Figure 342 Spurious Emissions (9kHz – 3GHz) - QPSK (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 13.MAY.2015 08:32:11

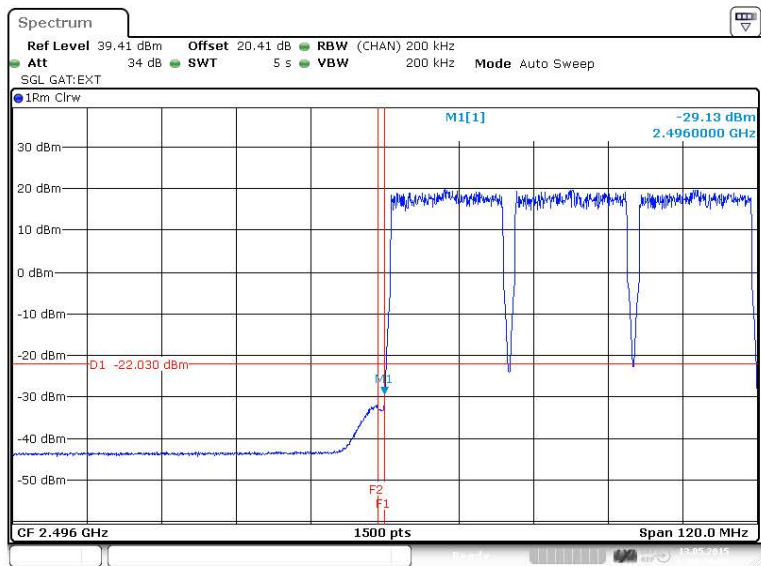
Figure 343 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Product Service

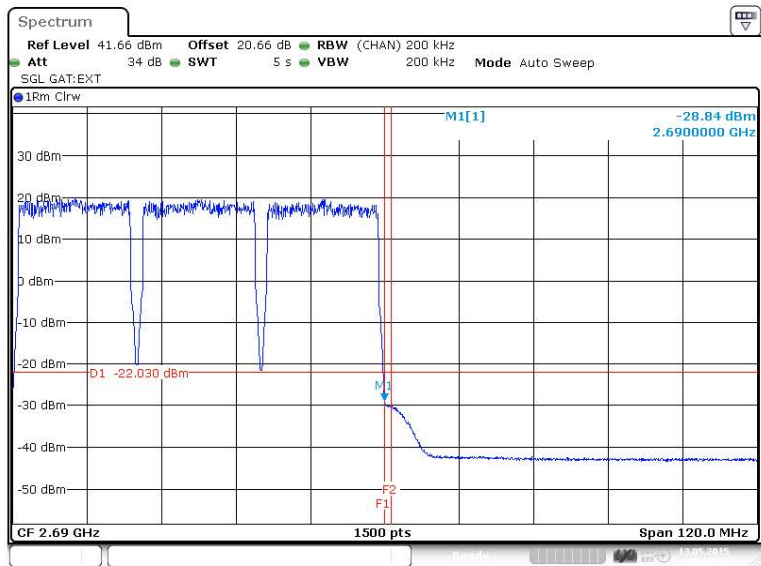
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 13.MAY.2015 07:15:02

**Figure 344 Spurious Emissions (Lower Band Edge) – 16QAM
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)**



Date: 13.MAY.2015 09:32:38

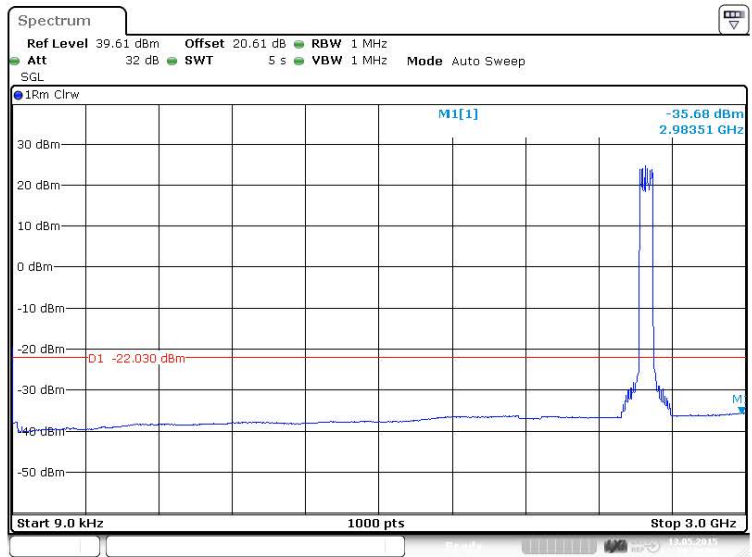
**Figure 345 Spurious Emissions (Upper Band Edge) – 16QAM
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)**



Product Service

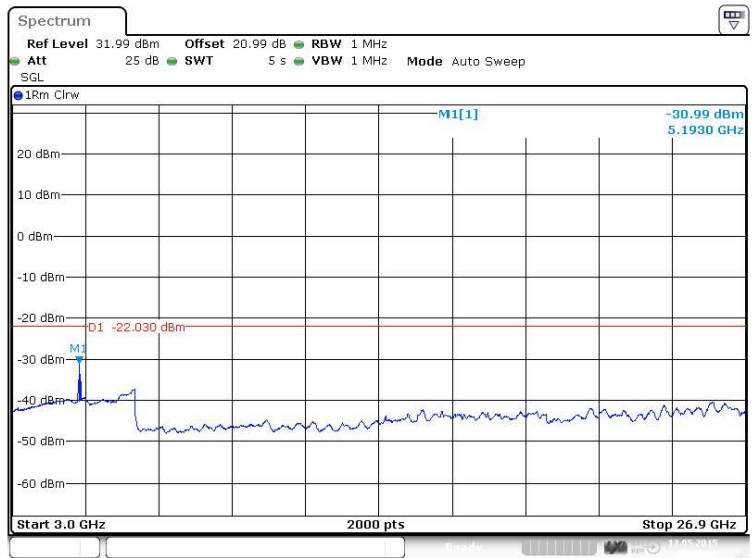
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 13.MAY.2015 08:39:59

Figure 346 Spurious Emissions (9kHz – 3GHz) - 16QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 13.MAY.2015 08:41:29

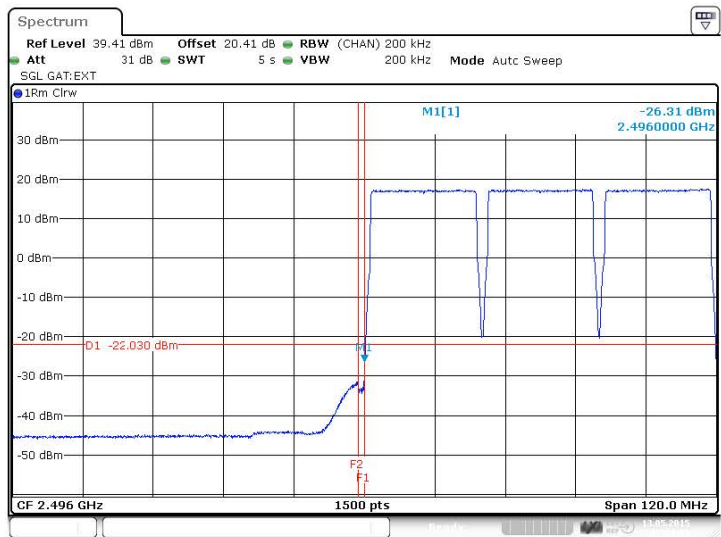
Figure 347 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Product Service

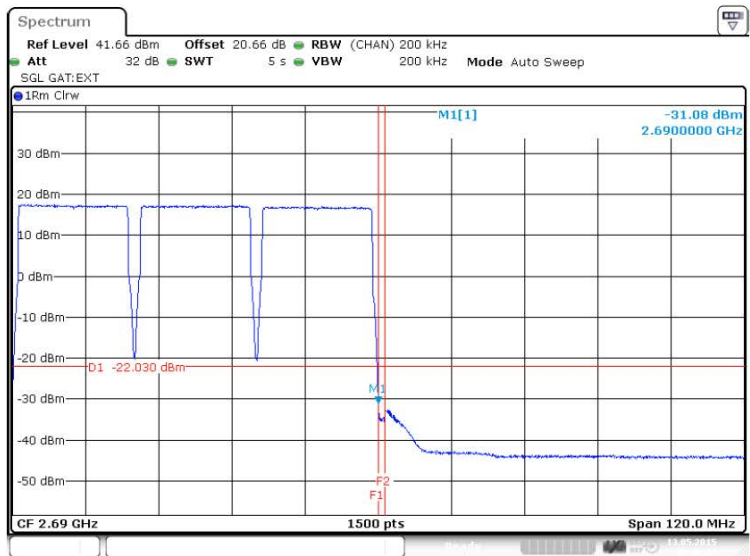
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 13.MAY.2015 07:29:58

**Figure 348 Spurious Emissions (Lower Band Edge) – 64QAM
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)**



Date: 13.MAY.2015 09:46:17

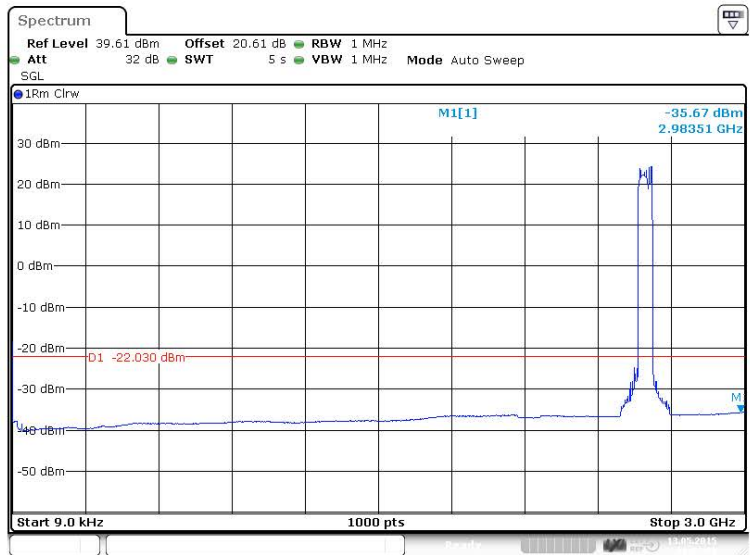
**Figure 349 Spurious Emissions (Upper Band Edge) – 64QAM
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)**



Product Service

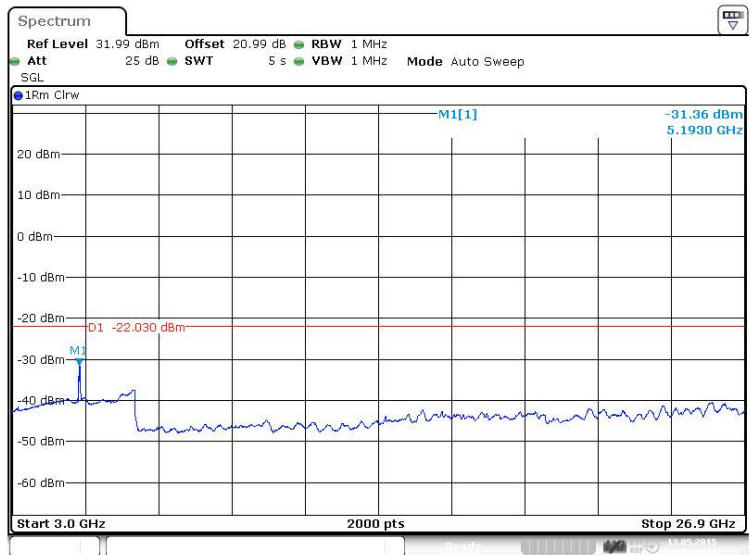
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 13.MAY.2015 08:52:08

Figure 350 Spurious Emissions (9kHz – 3GHz) - 64QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 13.MAY.2015 08:53:06

Figure 351 Spurious Emissions (3GHz – 26.900GHz) –64QAM (2573.0/2593.0/2613 MHz) (20MHz Channel BW)

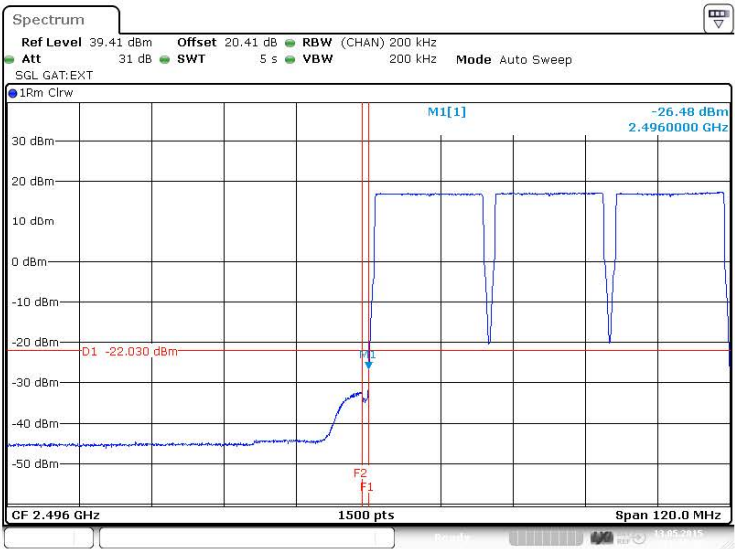


Product Service

FCC ID:
VBNFZHJ-01

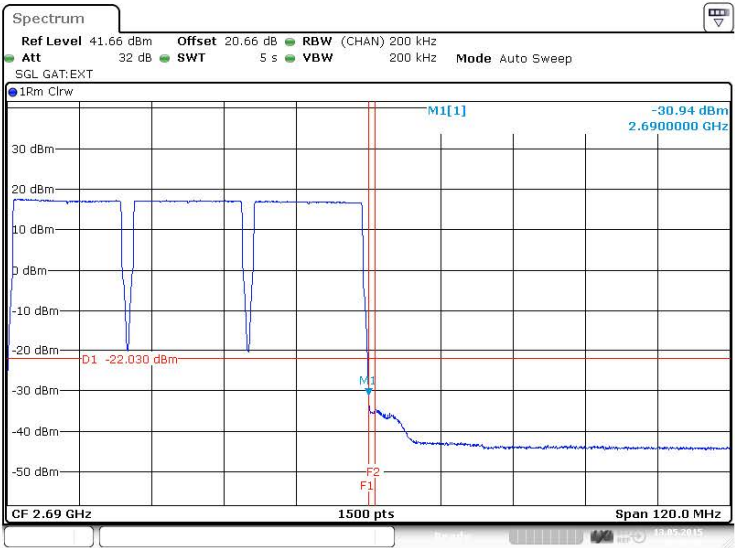
Test Report No:
D532085264

Config B ANT6:



Date: 13.MAY.2015 12:20:56

Figure 352 Spurious Emissions (Lower Band Edge) – QPSK
(2506/2526.0/2546.0 MHz) (20MHz Channel BW)



Date: 13.MAY.2015 10:35:36

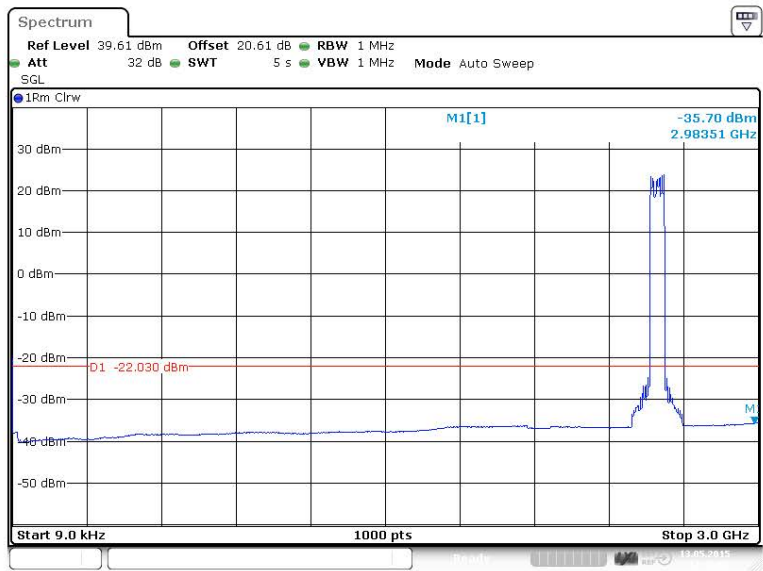
Figure 353 Spurious Emissions (Upper Band Edge) – QPSK
(2640.0/2660.0/2680.0 MHz) (20MHz Channel BW)



Product Service

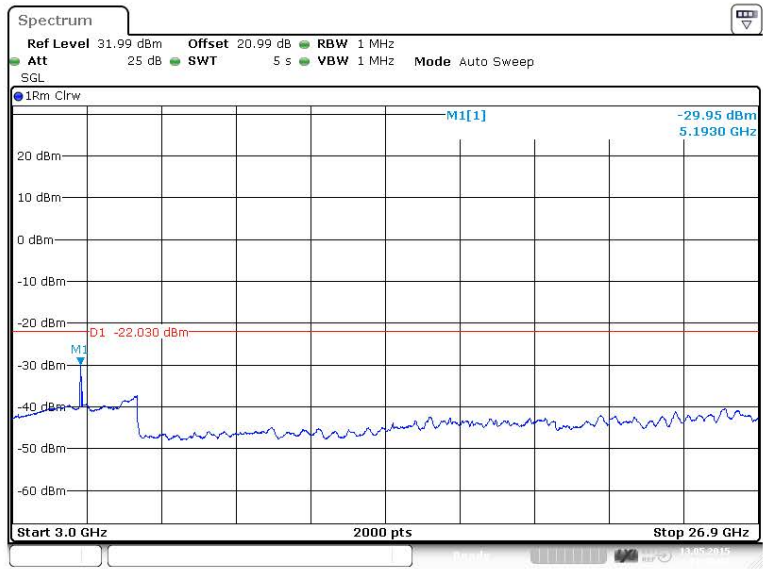
FCC ID:
VBNFZHJ-01

Test Report No:
D532085264



Date: 13.MAY.2015 11:35:02

Figure 354 Spurious Emissions (9kHz – 3GHz) - QPSK (2573.0/2593.0/2613 MHz) (20MHz Channel BW)



Date: 13.MAY.2015 11:36:07

Figure 355 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2573.0/2593.0/2613 MHz) (20MHz Channel BW)