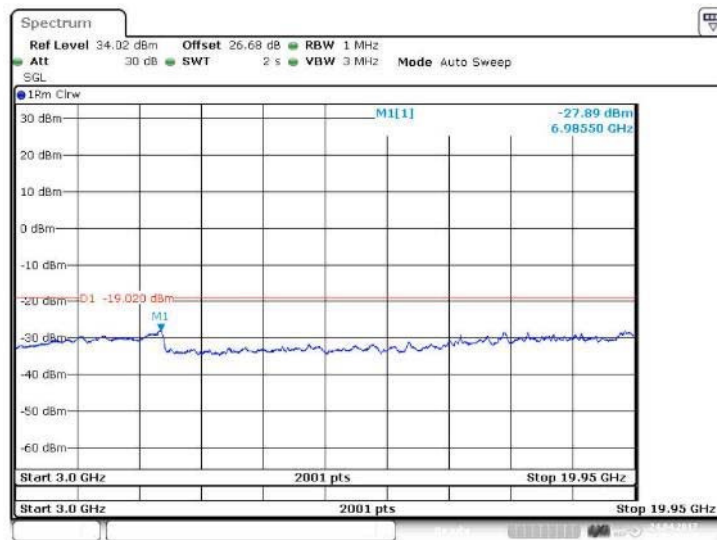




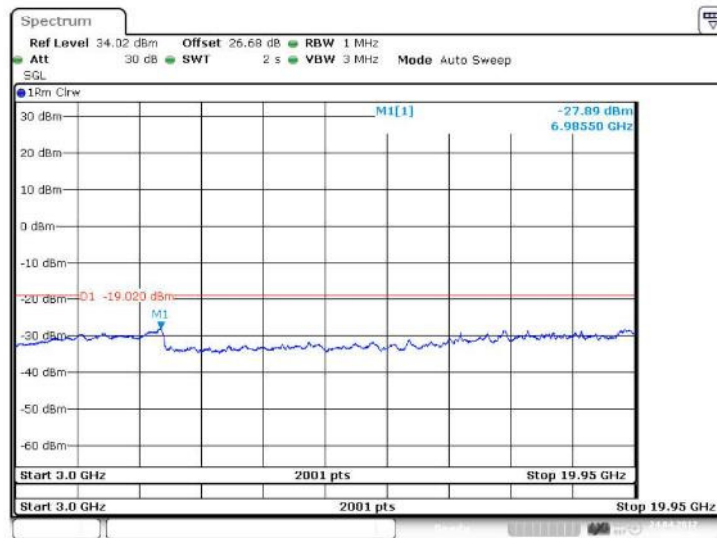
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



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Figure 51 Spurious Emissions (9kHz – 3GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)



Date: 24.APR.2017 11:38:59

Figure 52 Spurious Emissions (3GHz – 19.950GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)



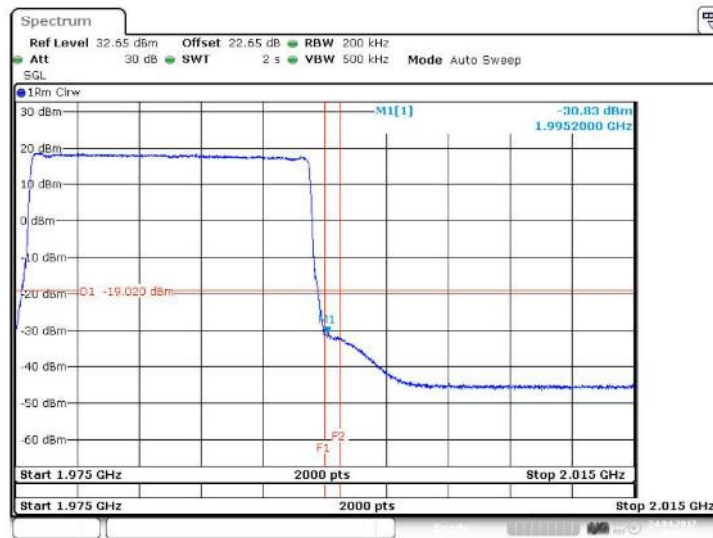
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 24.APR.2017 13:29:44

Figure 53 Spurious Emissions (Lower Band Edge) – 64QAM (1962.5 MHz) (20MHz Channel BW)



Date: 24.APR.2017 10:19:54

Figure 54 Spurious Emissions (Upper Band Edge) – 64QAM (1985.0 MHz) (20MHz Channel BW)



FCC ID:
VBNAHFB-01

Test Report No:
D555117518

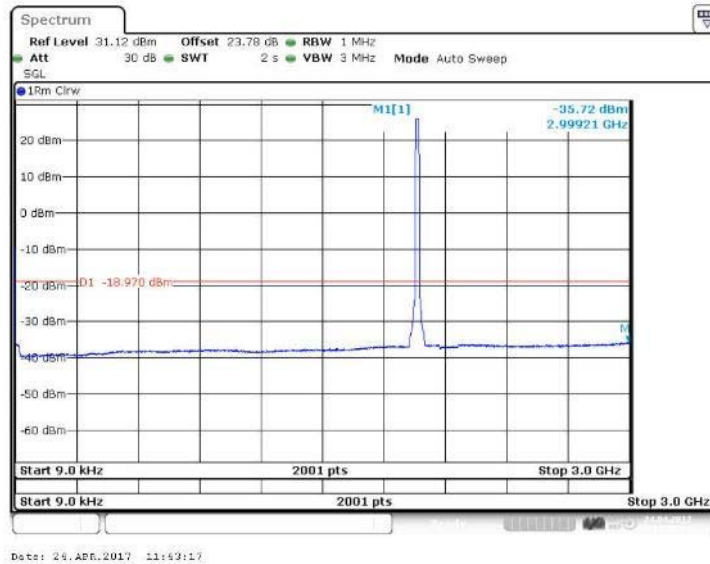


Figure 55 Spurious Emissions (9kHz – 3GHz) – 64QAM (1962.5 MHz) (20MHz Channel BW)

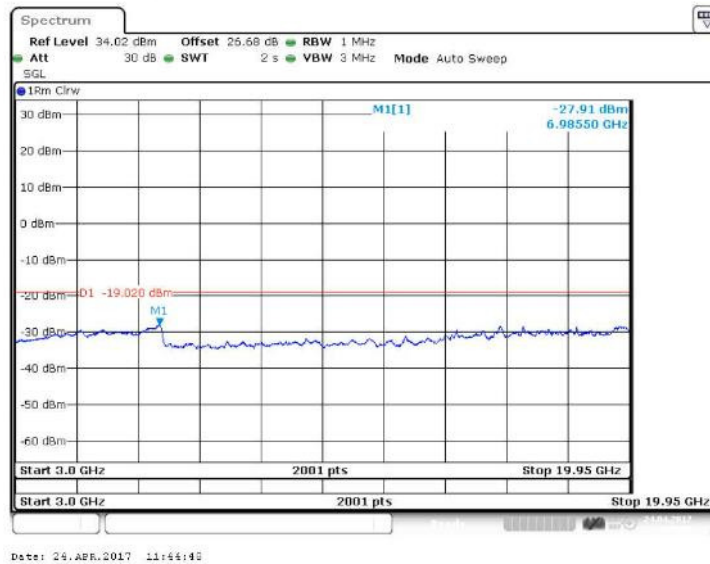
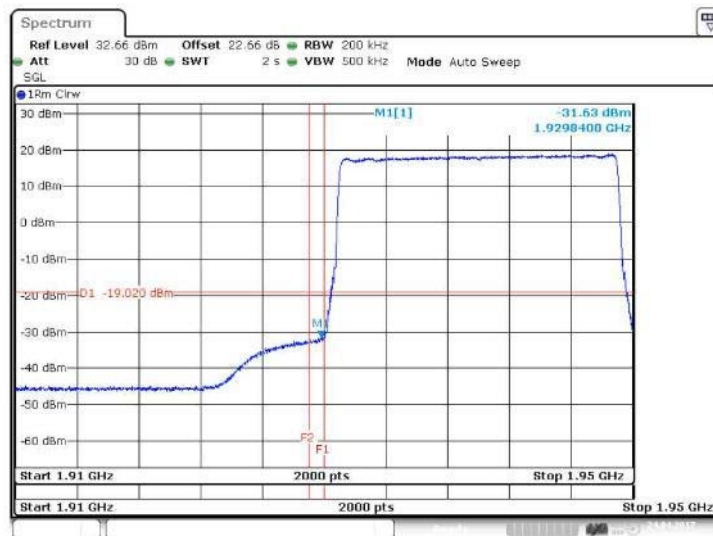


Figure 56 Spurious Emissions (3GHz – 19.950GHz) – 64QAM (1962.5 MHz) (20MHz Channel BW)



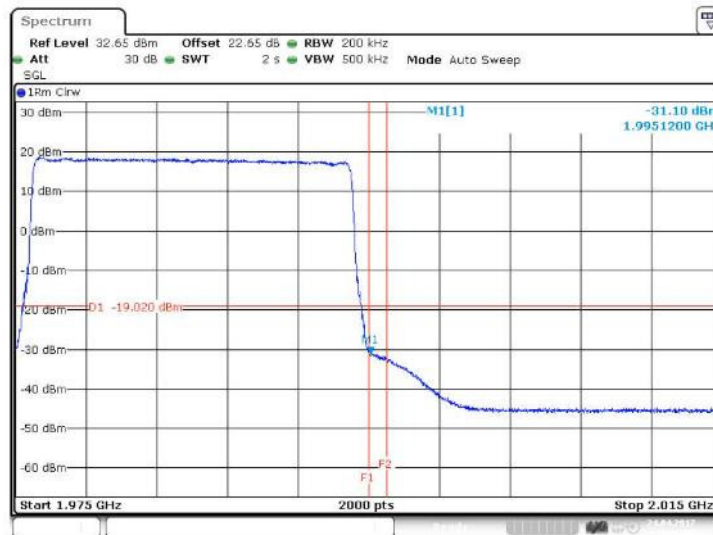
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 24-APR-2017 13:34:51

Figure 57 Spurious Emissions (Lower Band Edge) – 256QAM (1940.0 MHz) (20MHz Channel BW)



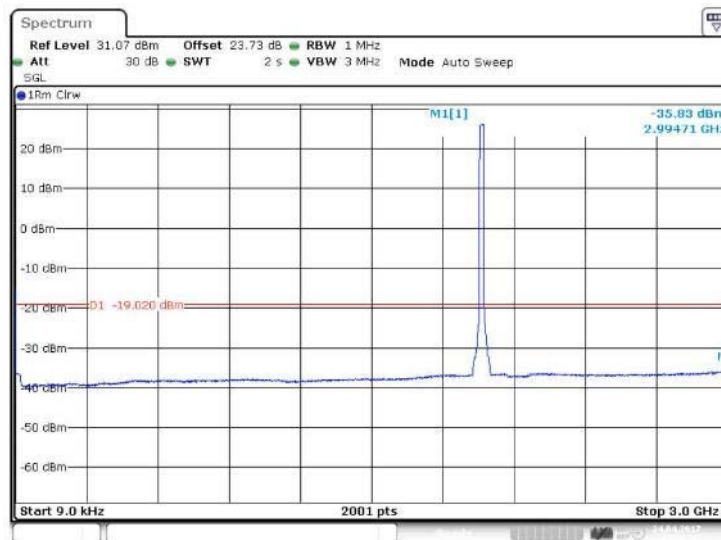
Date: 24-APR-2017 10:22:01

Figure 58 Spurious Emissions (Upper Band Edge) – 256QAM (1985.0 MHz) (20MHz Channel BW)



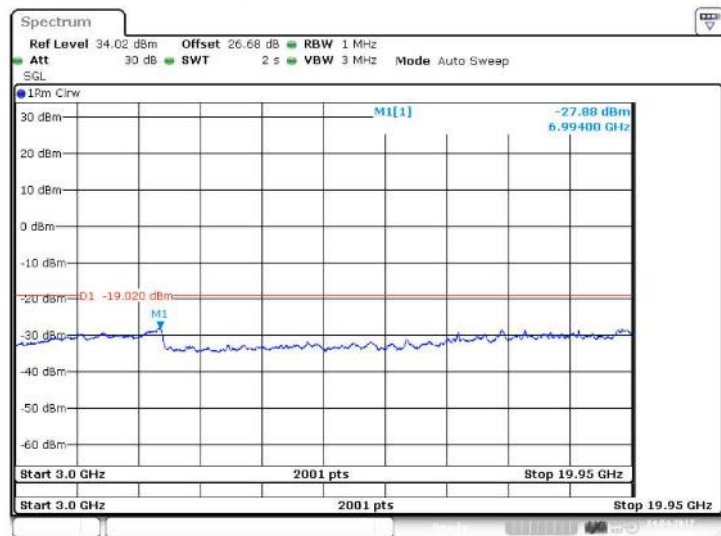
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 24. APR. 2017 11:48:44

Figure 59 Spurious Emissions (9kHz – 3GHz) – 256QAM (1962.5 MHz) (20MHz Channel BW)



Date: 24. APR. 2017 11:51:40

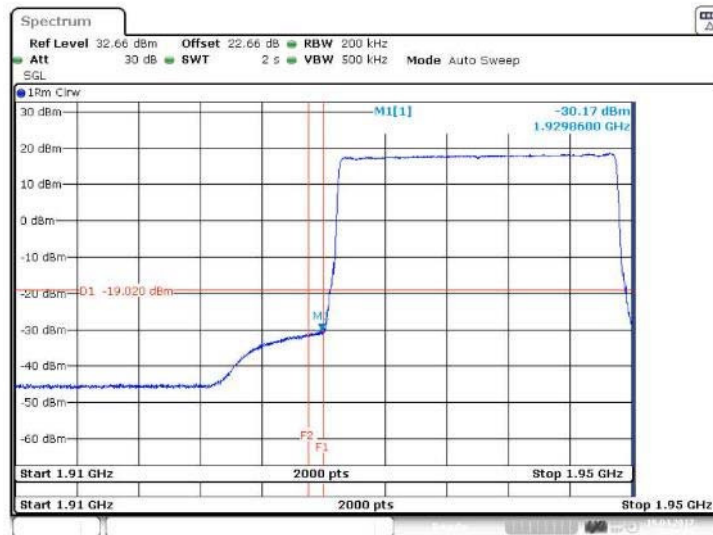
Figure 60 Spurious Emissions (3GHz – 19.950GHz) – 256QAM (1962.5 MHz) (20MHz Channel BW)



FCC ID:
VBNAHFB-01

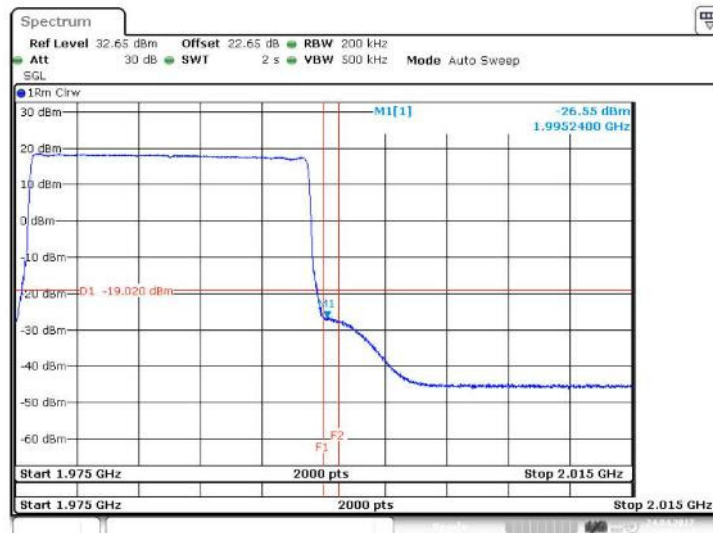
Test Report No:
D555117518

Config A ANT3:



Date: 19.APR.2017 15:21:02

Figure 61 Spurious Emissions (Lower Band Edge) – QPSK (1940.0 MHz) (20MHz Channel BW)



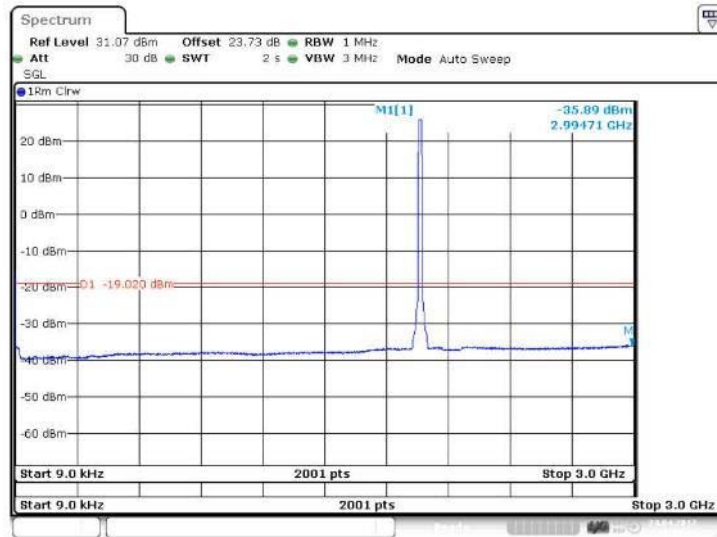
Date: 26.APR.2017 09:18:14

Figure 62 Spurious Emissions (Upper Band Edge) – QPSK (1985.0 MHz) (20MHz Channel BW)



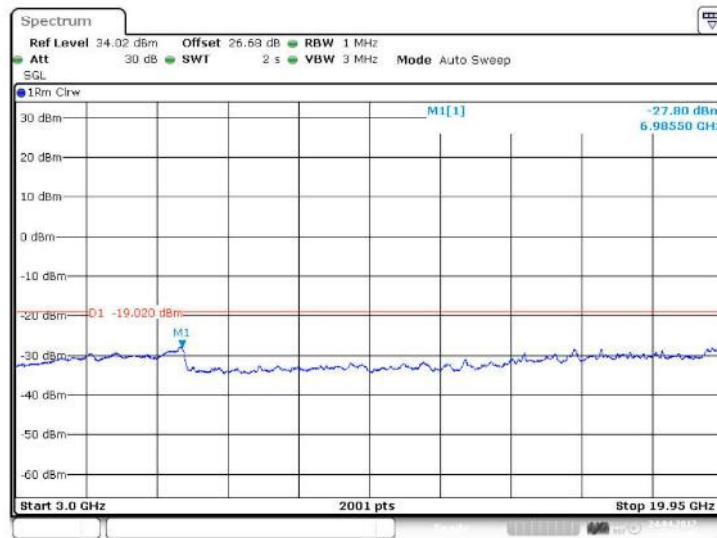
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 24.APR.2017 11:59:29

Figure 63 Spurious Emissions (9kHz – 3GHz) - QPSK (1962.5 MHz) (20MHz Channel BW)



Date: 24.APR.2017 11:59:01

Figure 64 Spurious Emissions (3GHz – 19.950GHz) – QPSK (1962.5 MHz) (20MHz Channel BW)



FCC ID:
VBNAHFB-01

Test Report No:
D555117518

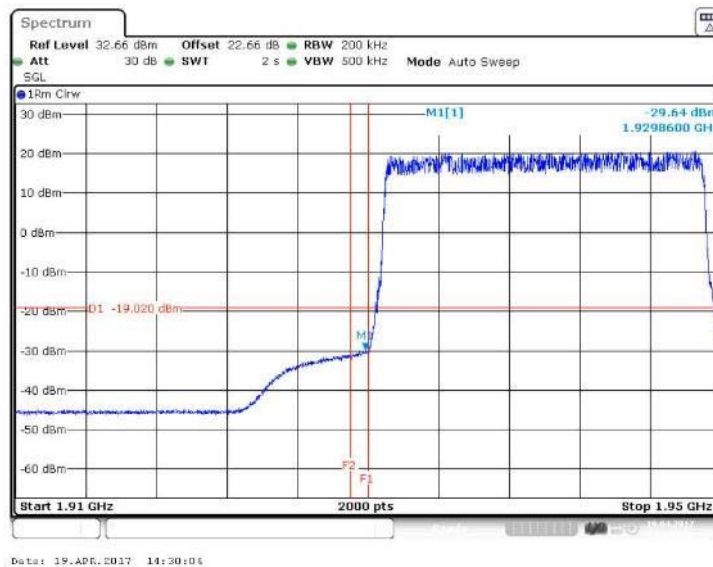


Figure 65 Spurious Emissions (Lower Band Edge) – 16QAM (1940.0 MHz) (20MHz Channel BW)

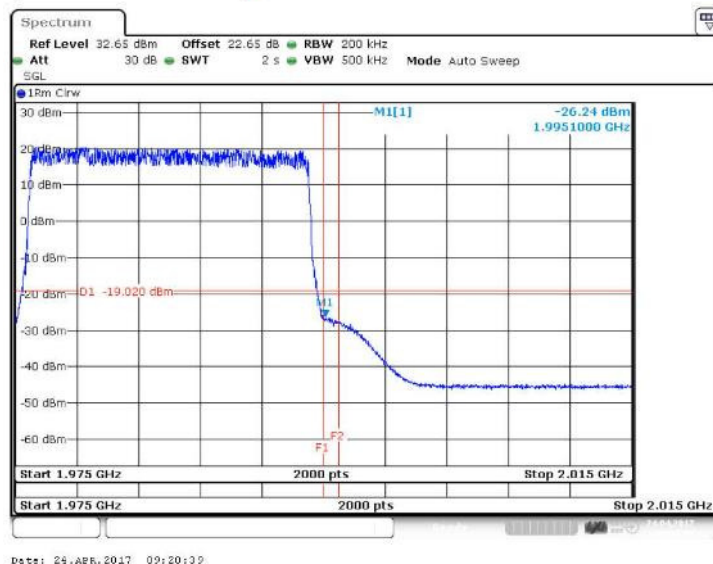


Figure 66 Spurious Emissions (Upper Band Edge) – 16QAM (1985.0 MHz) (20MHz Channel BW)



Product Service

FCC ID:
VBNAHFB-01

Test Report No:
D555117518

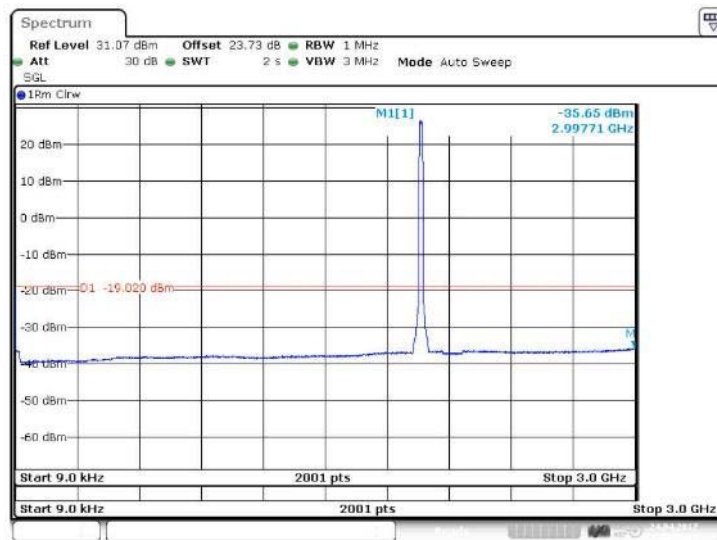


Figure 67 Spurious Emissions (9kHz – 3GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)

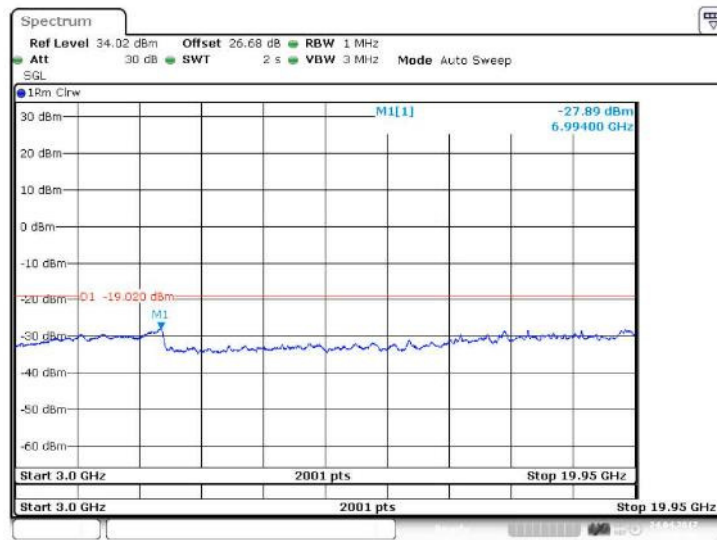
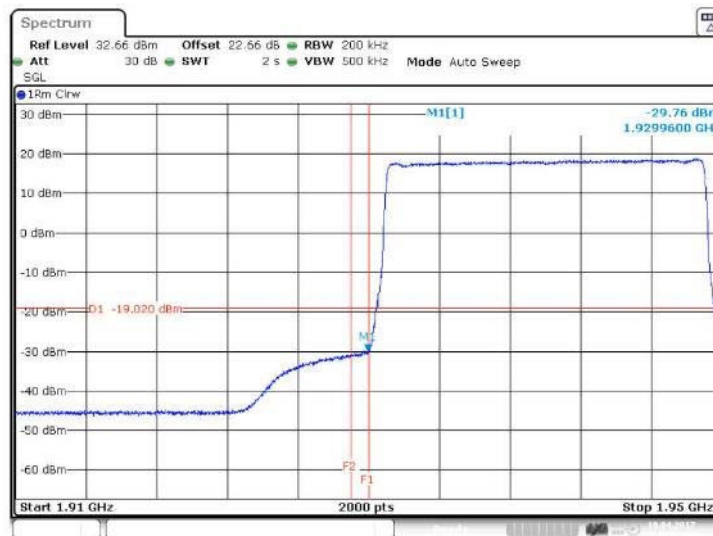


Figure 68 Spurious Emissions (3GHz – 19.950GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)



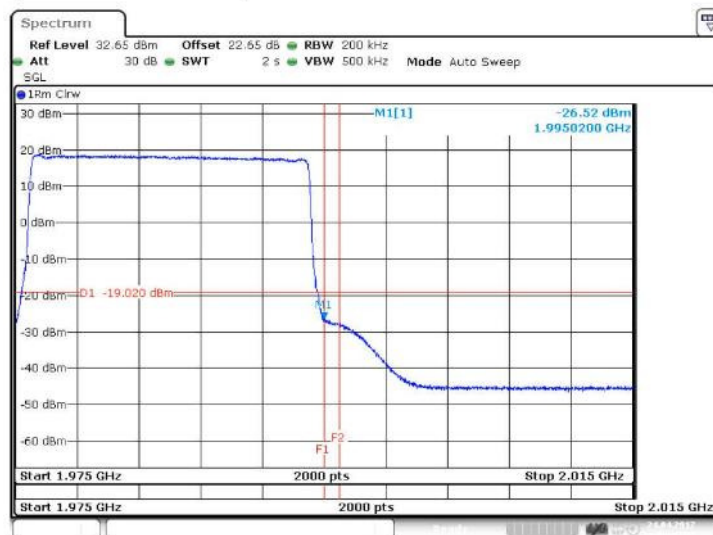
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 19-APR-2017 13:57:20

Figure 69 Spurious Emissions (Lower Band Edge) – 64QAM (1940.0 MHz) (20MHz Channel BW)



Date: 24-APR-2017 09:23:32

Figure 70 Spurious Emissions (Upper Band Edge) – 64QAM (1985.0 MHz) (20MHz Channel BW)



FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Figure 71 Spurious Emissions (9kHz – 3GHz) – 64QAM (1962.5 MHz) (20MHz Channel BW)

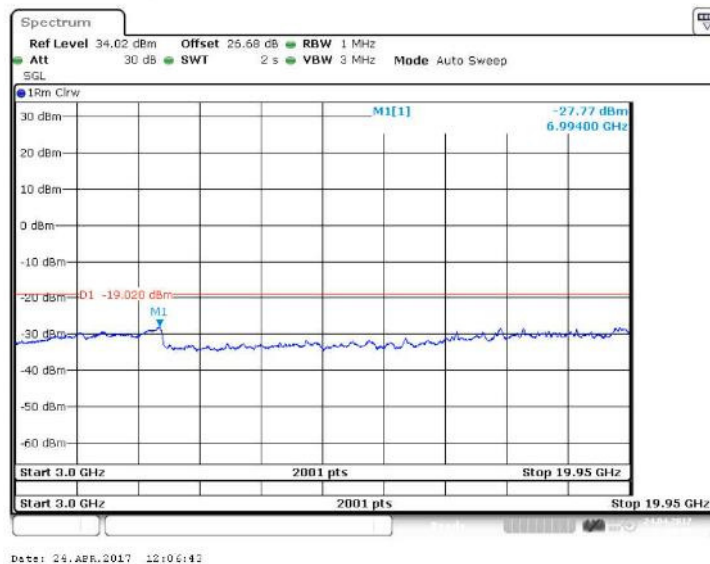
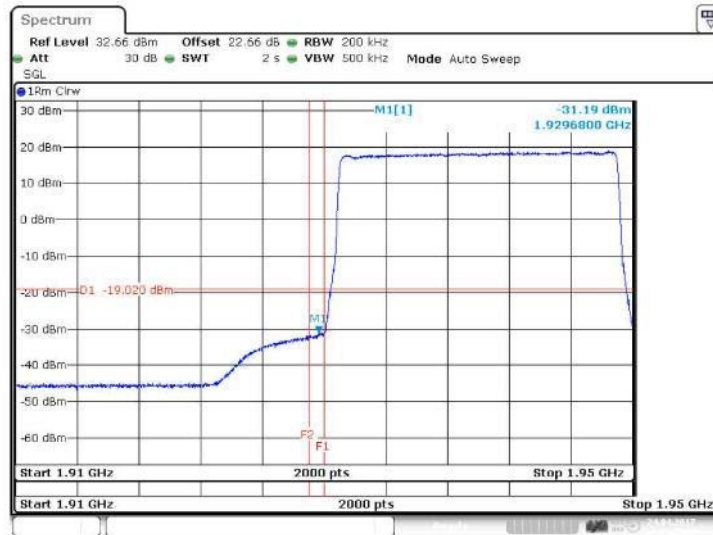


Figure 72 Spurious Emissions (3GHz – 19.950GHz) – 64QAM (1962.5 MHz) (20MHz Channel BW)



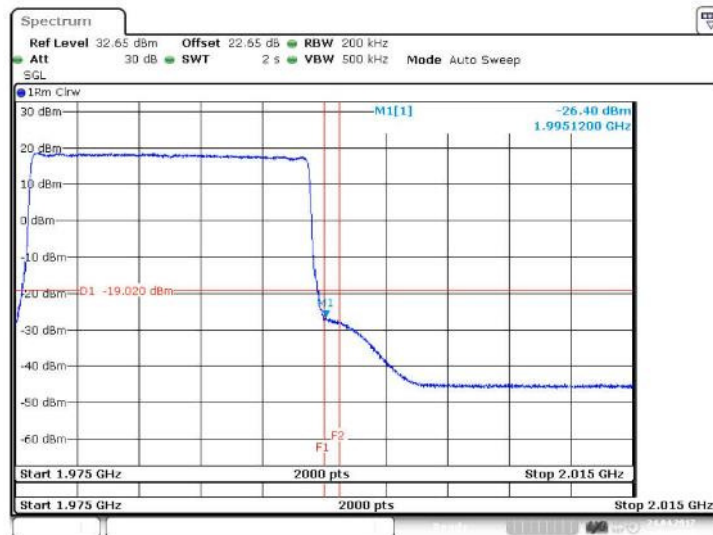
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 24-APR-2017 13:04:03

Figure 73 Spurious Emissions (Lower Band Edge) – 256QAM (1940.0 MHz) (20MHz Channel BW)



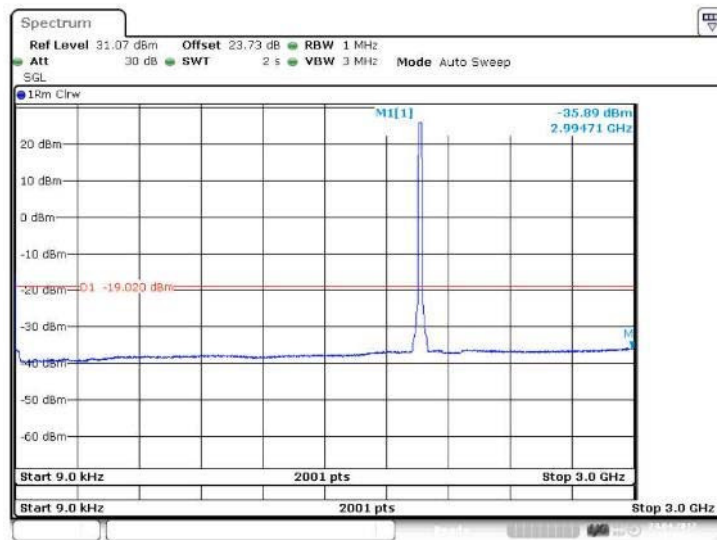
Date: 24-APR-2017 09:25:20

Figure 74 Spurious Emissions (Upper Band Edge) – 256QAM (1985.0 MHz) (20MHz Channel BW)



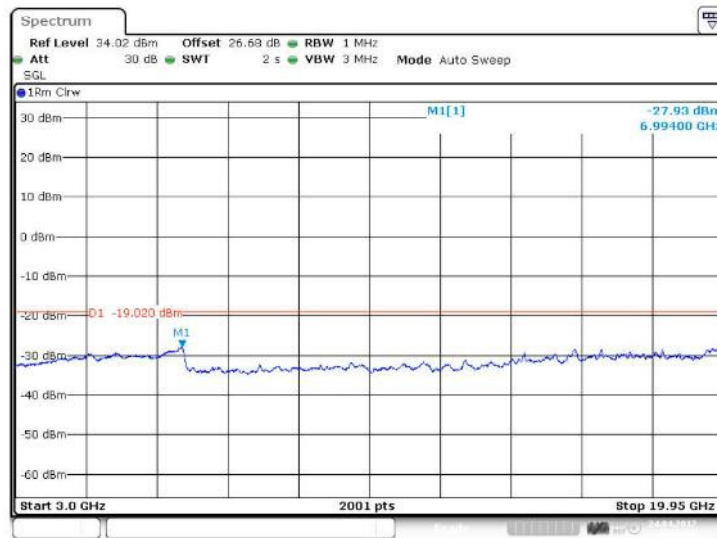
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 24.APR.2017 11:59:29

Figure 75 Spurious Emissions (9kHz – 3GHz) – 256QAM (1962.5 MHz) (20MHz Channel BW)



Date: 24.APR.2017 12:11:20

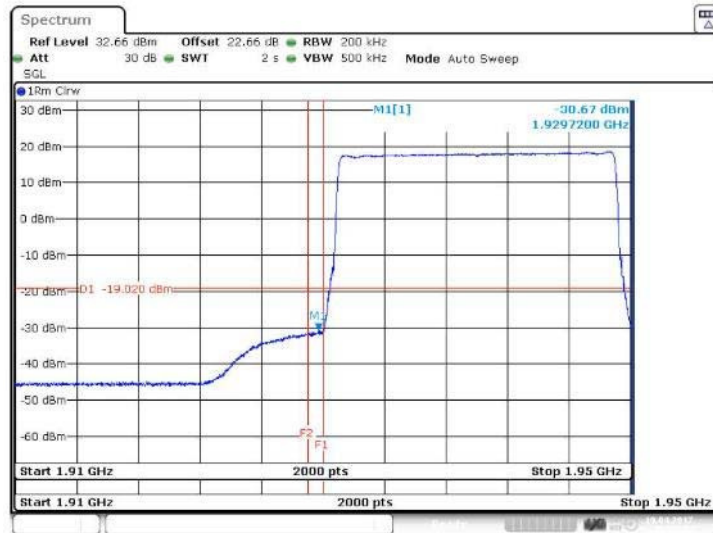
Figure 76 Spurious Emissions (3GHz – 19.950GHz) – 256QAM (1962.5 MHz) (20MHz Channel BW)

Config A ANT4:



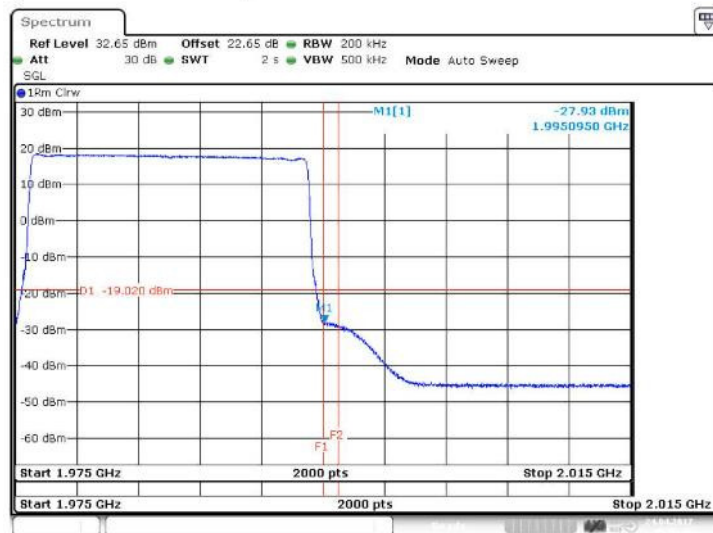
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 19. APR. 2017 15:45:03

Figure 77 Spurious Emissions (Lower Band Edge) – QPSK (1940.0 MHz) (20MHz Channel BW)



Date: 24. APR. 2017 00:57:03

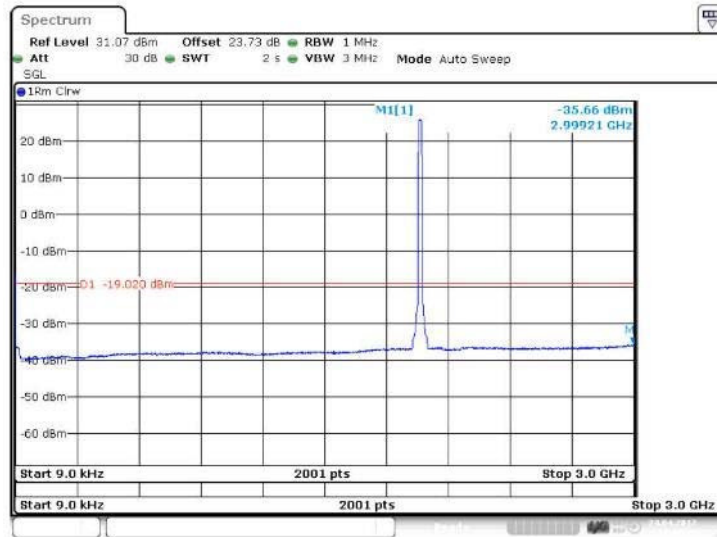
Figure 78 Spurious Emissions (Upper Band Edge) – QPSK (1985.0 MHz) (20MHz Channel BW)



Product Service

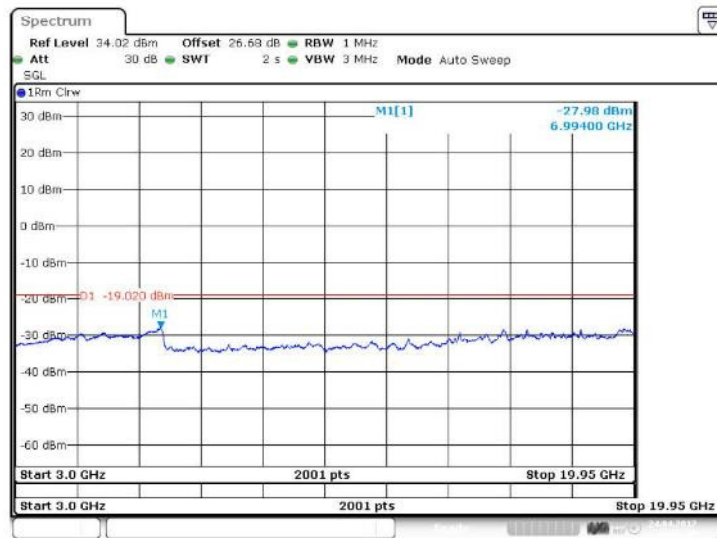
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 24.APR.2017 12:42:12

Figure 79 Spurious Emissions (9kHz – 3GHz) - QPSK (1962.5 MHz) (20MHz Channel BW)



Date: 24.APR.2017 12:41:09

Figure 80 Spurious Emissions (3GHz – 19.950GHz) – QPSK (1962.5 MHz) (20MHz Channel BW)



FCC ID:
VBNAHFB-01

Test Report No:
D555117518

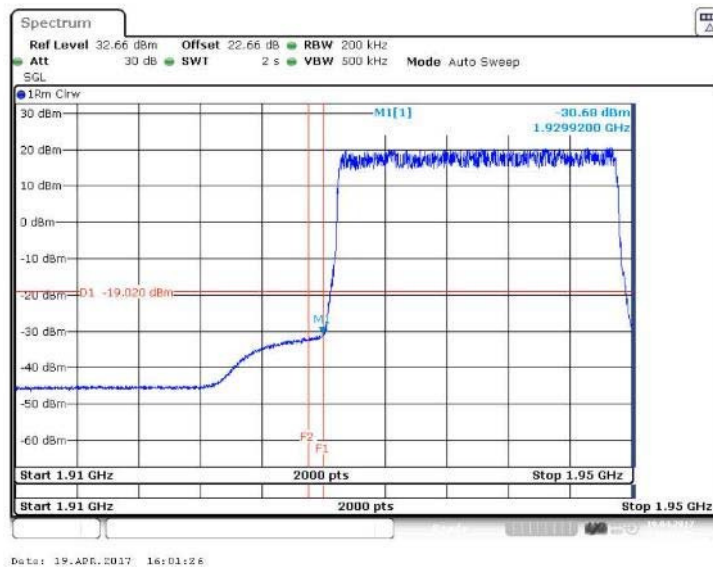


Figure 81 Spurious Emissions (Lower Band Edge) – 16QAM (1940.0 MHz) (20MHz Channel BW)

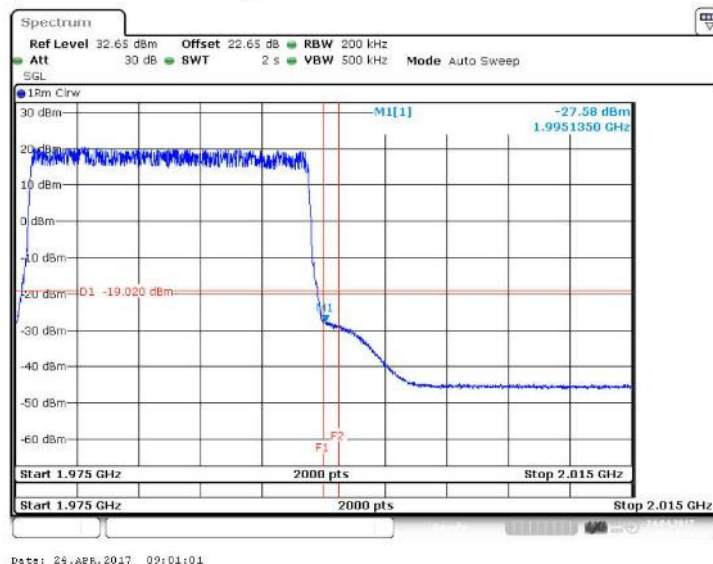
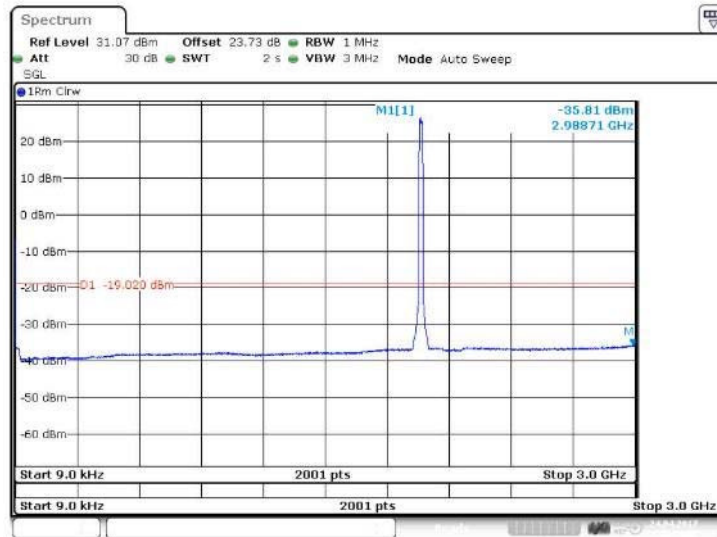


Figure 82 Spurious Emissions (Upper Band Edge) – 16QAM (1985.0 MHz) (20MHz Channel BW)



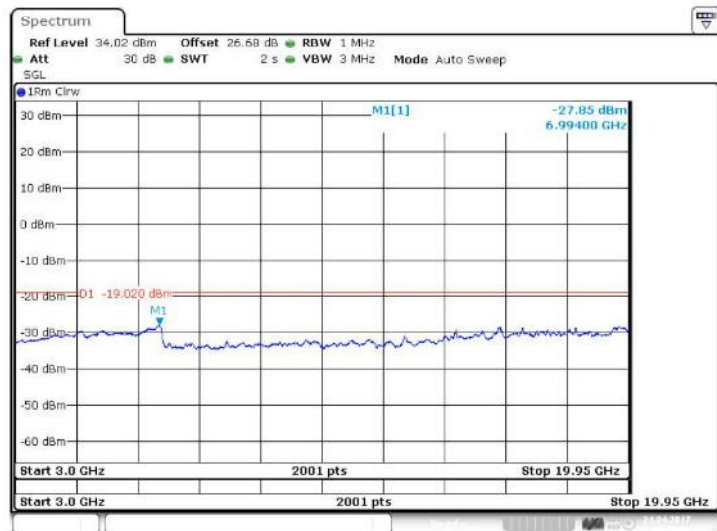
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 24.APR.2017 12:44:45

Figure 83 Spurious Emissions (9kHz – 3GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)



Date: 24.APR.2017 12:45:44

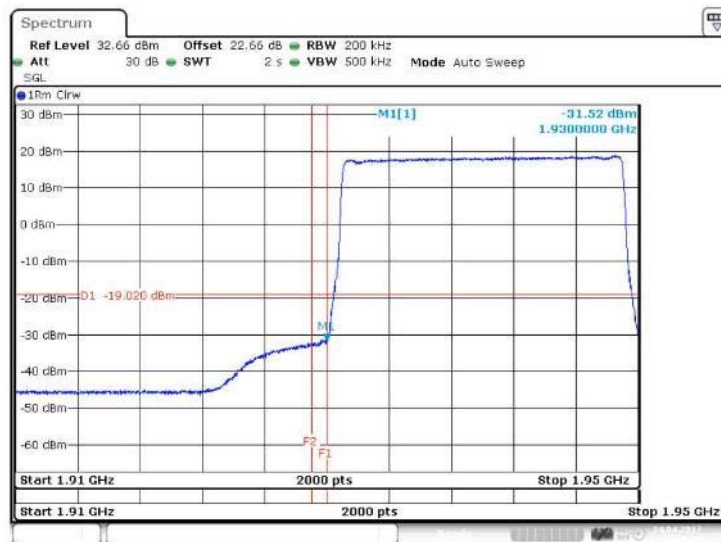
Figure 84 Spurious Emissions (3GHz – 19.950GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)



Product Service

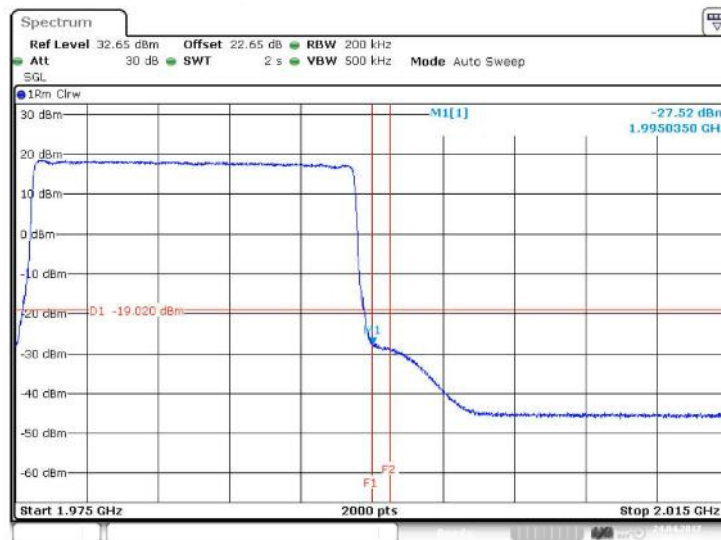
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 24.APR.2017 13:15:25

Figure 85 Spurious Emissions (Lower Band Edge) – 64QAM (1940.0 MHz) (20MHz Channel BW)



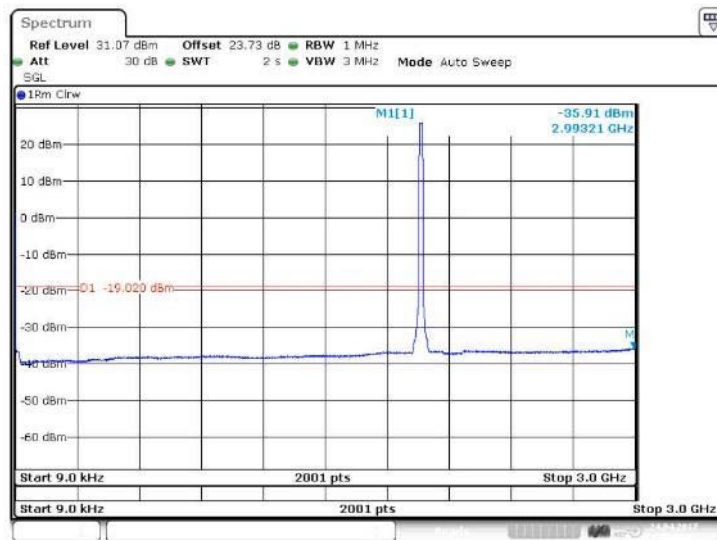
Date: 24.APR.2017 09:07:18

Figure 86 Spurious Emissions (Upper Band Edge) – 64QAM (1985.0 MHz) (20MHz Channel BW)



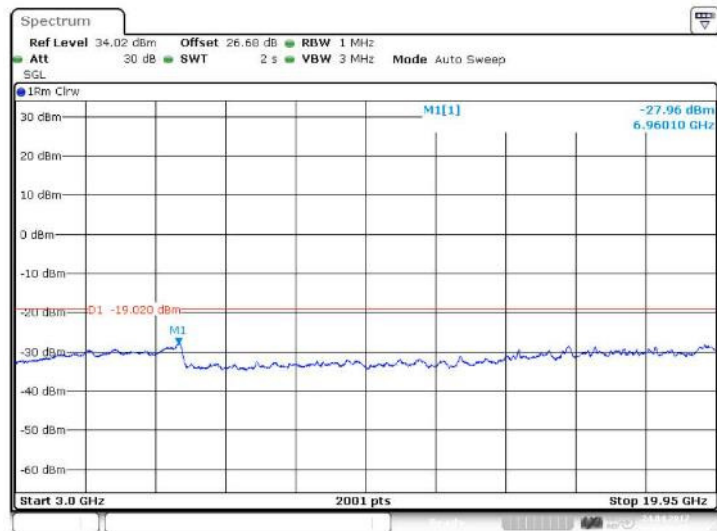
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 24.APR.2017 12:50:57

Figure 87 Spurious Emissions (9kHz – 3GHz) – 64QAM (1962.5 MHz) (20MHz Channel BW)



Date: 24.APR.2017 12:51:04

Figure 88 Spurious Emissions (3GHz – 19.950GHz) – 64QAM ((1962.5 MHz) (20MHz Channel BW)



FCC ID:
VBNAHFB-01

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D555117518

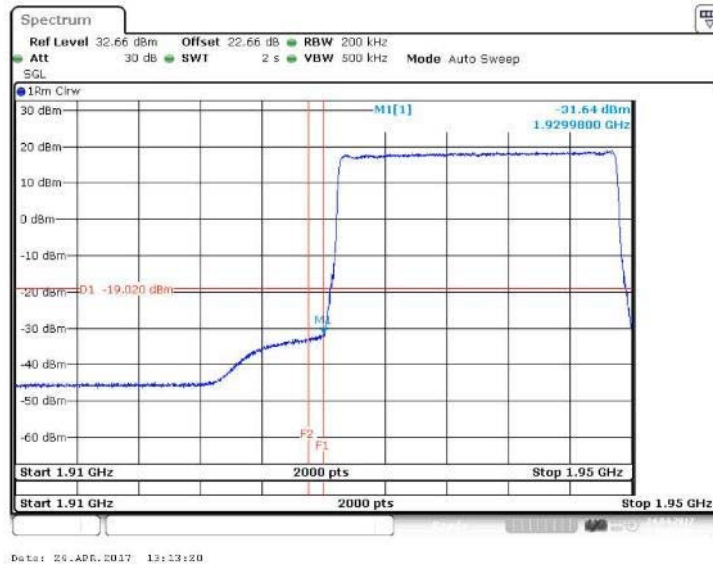


Figure 89 Spurious Emissions (Lower Band Edge) – 256QAM (1940.0 MHz) (20MHz Channel BW)

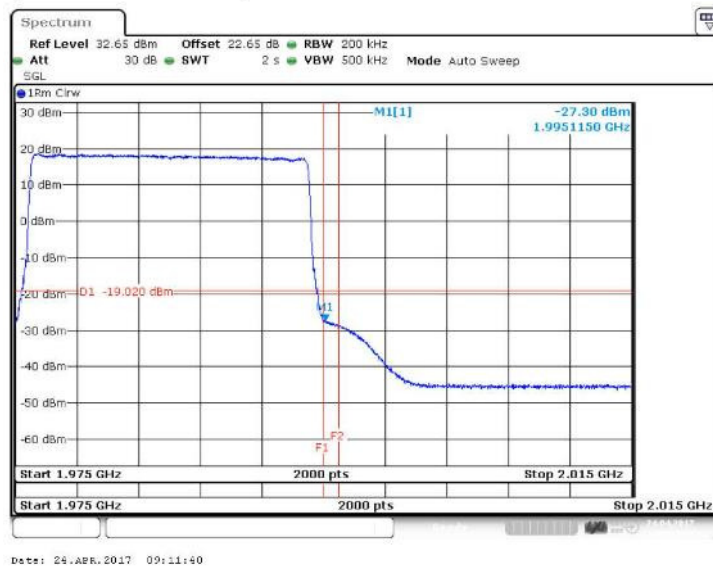


Figure 90 Spurious Emissions (Upper Band Edge) – 256QAM (1985.0 MHz) (20MHz Channel BW)



FCC ID:
VBNAHFB-01

Test Report No:
D555117518

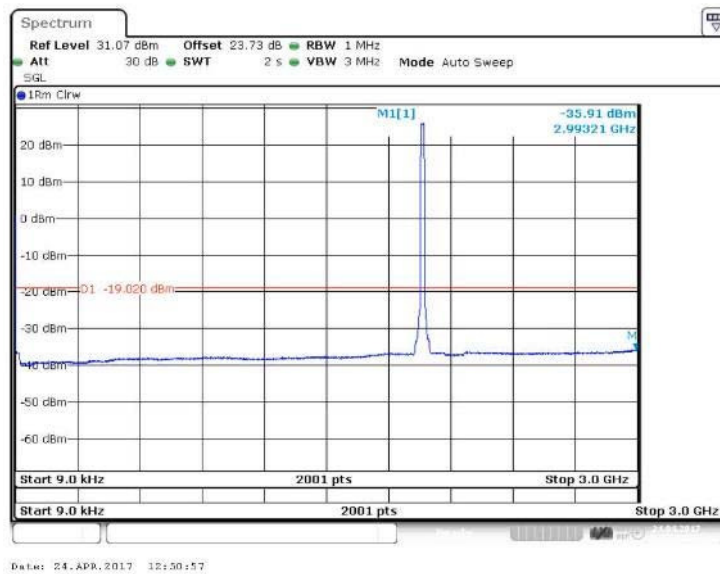


Figure 91 Spurious Emissions (9kHz – 3GHz) – 256QAM (1962.5 MHz) (20MHz Channel BW)

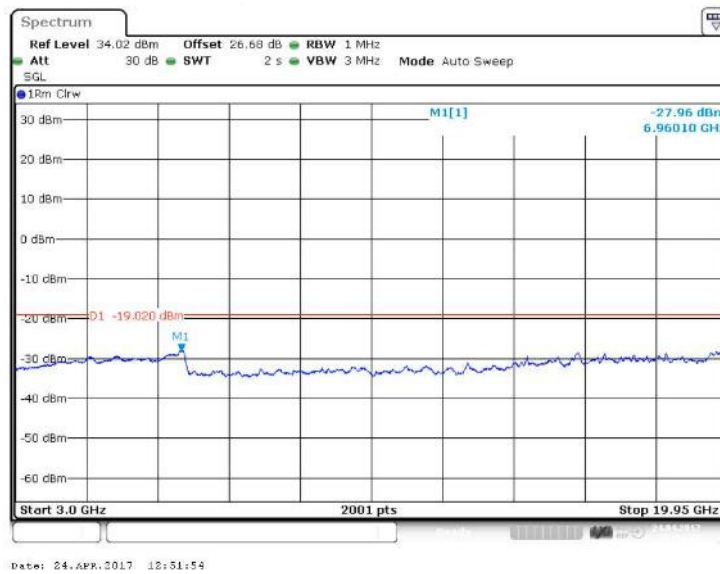


Figure 92 Spurious Emissions (3GHz – 19.950GHz) – 256QAM 1962.5 MHz) (20MHz Channel BW)



Product Service

FCC ID:
VBNAHFB-01

Test Report No:
D555117518

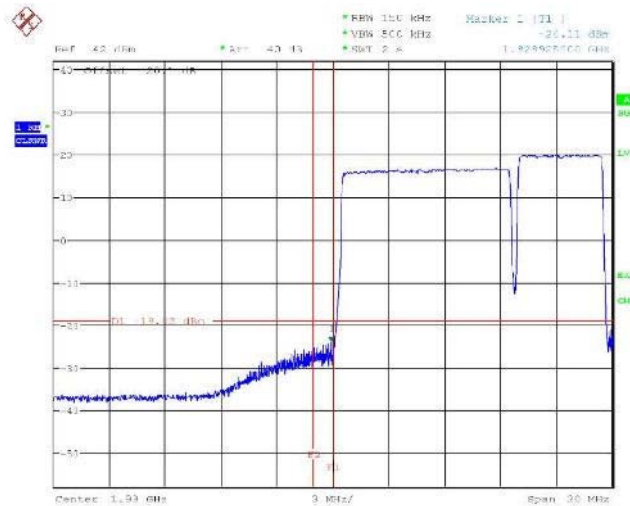
Config B ANT1:



Product Service

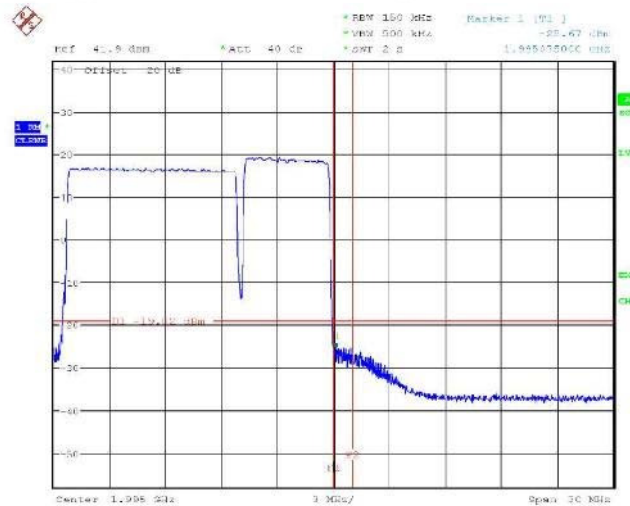
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.APR.2017 08:18:19Z

Figure 93 Spurious Emissions (Lower Band Edge) – QPSK (1935.0/1942.2 MHz) (10 MHz/5 MHz Channel BW)



Date: 25.APR.2017 06:48:40

Figure 94 Spurious Emissions (Upper Band Edge) – QPSK (1985.3/1992.5 MHz) (10 MHz/5MHz Channel BW)

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(2016)

02. May 2017

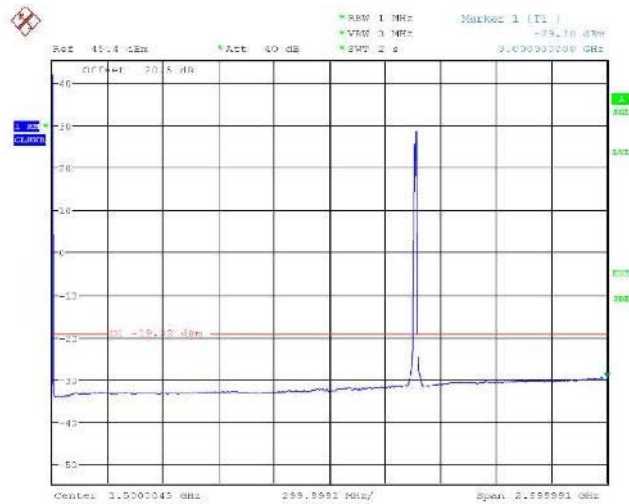
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Product Service

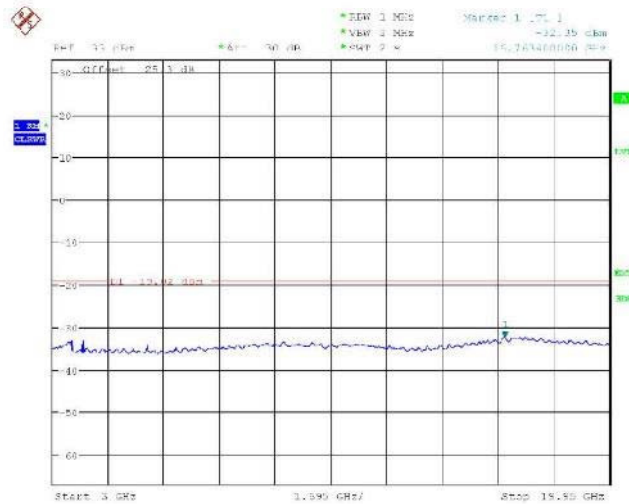
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.APR.2017 12:45:43

Figure 95 Spurious Emissions (9kHz – 3GHz) - QPSK (1958.9/1966.1 MHz) (10 MHz/5MHz Channel BW)



Date: 25.APR.2017 13:20:29

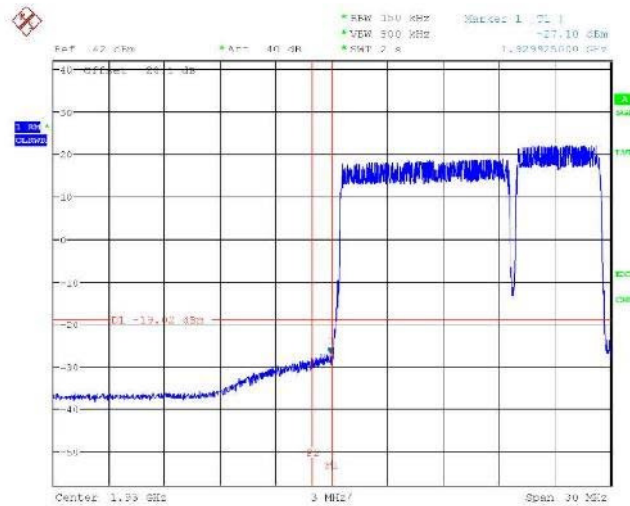
Figure 96 Spurious Emissions (3GHz – 19.950GHz) – QPSK (1958.9/1966.1 MHz) ((10 MHz/5MHz Channel BW)



Product Service

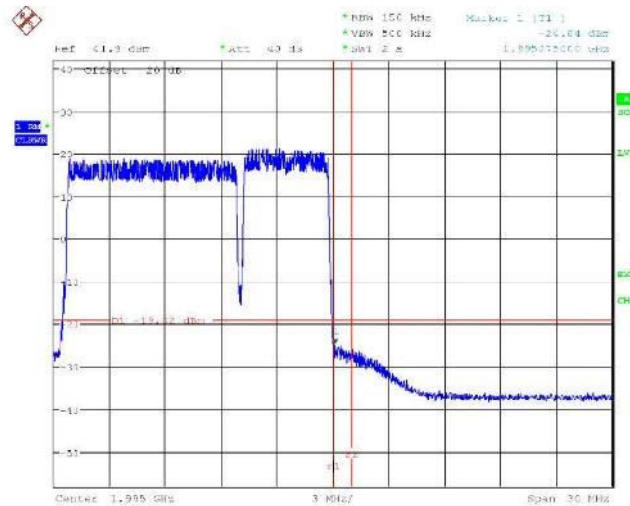
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.APR.2017 09:48:54

Figure 97 Spurious Emissions (Lower Band Edge) – 16QAM (1935.0/1942.2 MHz) (10MHz/5MHz Channel BW)



Date: 25.APR.2017 06:20:29

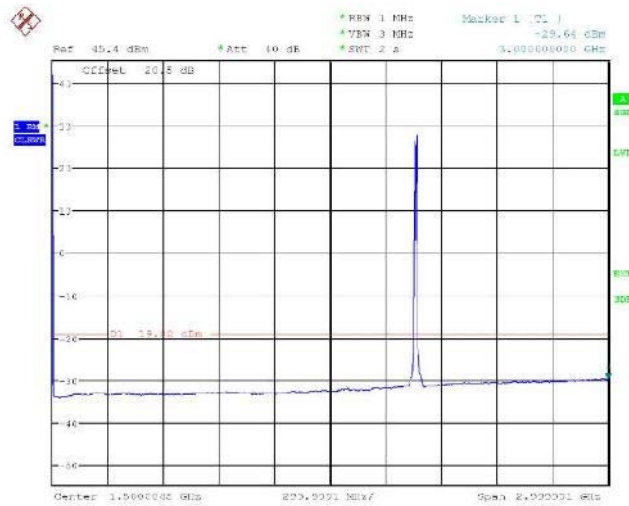
Figure 98 Spurious Emissions (Upper Band Edge) – 16QAM (1985.3/1992.5 MHz) (10MHz/5MHz Channel BW)



Product Service

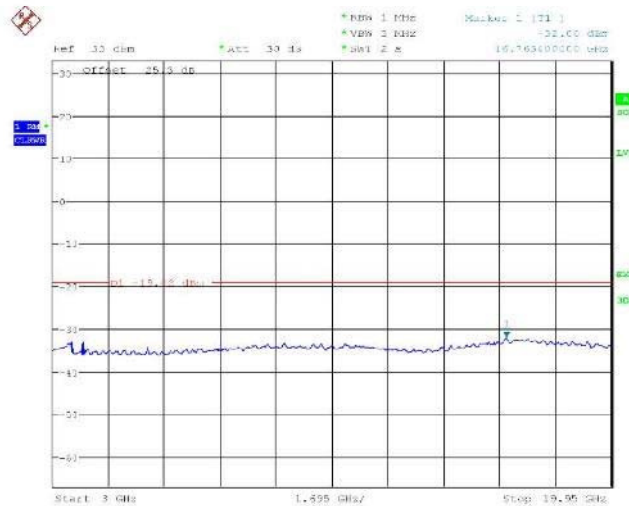
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.APR.2017 10:47:01

Figure 99 Spurious Emissions (9kHz – 3GHz) – 16QAM (1958.9/1966.1 MHz) (10 MHz/5MHz Channel BW)



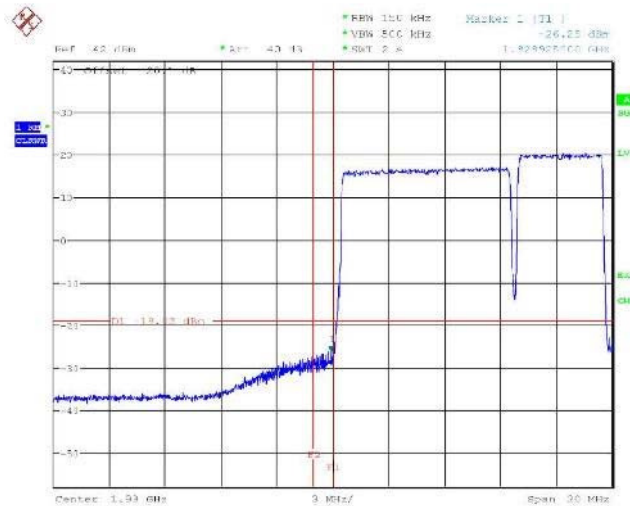
Date: 25.APR.2017 13:23:44

Figure 100 Spurious Emissions (3GHz – 19.950GHz) – 16QAM (1958.9/1966.1 MHz) (10 MHz/5MHz Channel BW)



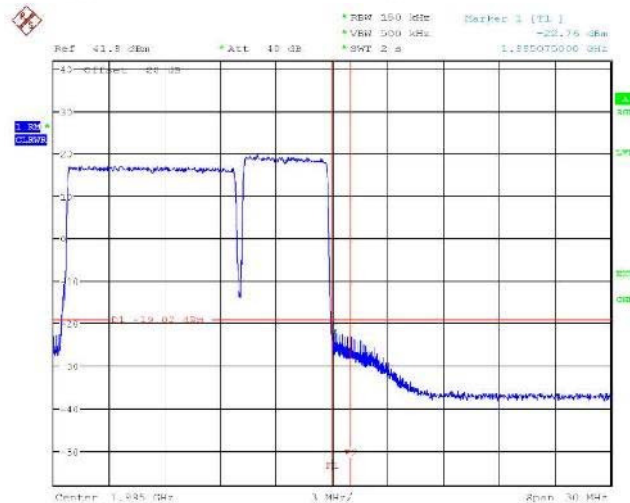
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.APR.2017 08:09:47

Figure 101 Spurious Emissions (Lower Band Edge) – 64QAM (1935.0/1942.2 MHz) (10 MHz/5MHz Channel BW)



Date: 25.APR.2017 06:52:24

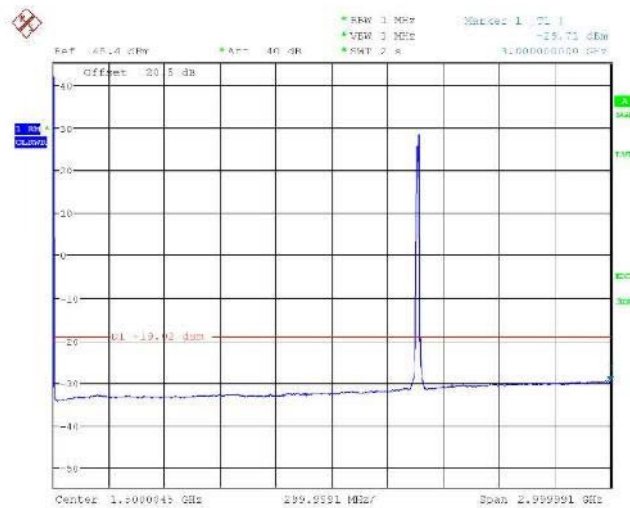
Figure 102 Spurious Emissions (Upper Band Edge) – 64QAM (1985.3/1992.5 MHz) (10 MHz/5MHz Channel BW)



Product Service

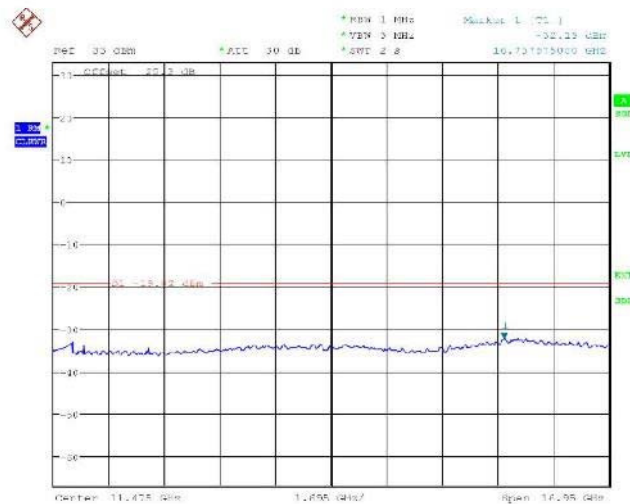
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.APR.2017 12:49:01

Figure 103 Spurious Emissions (9kHz – 3GHz) – 64QAM (1958.9/1966.1 MHz) (10 MHz/5MHz Channel BW)



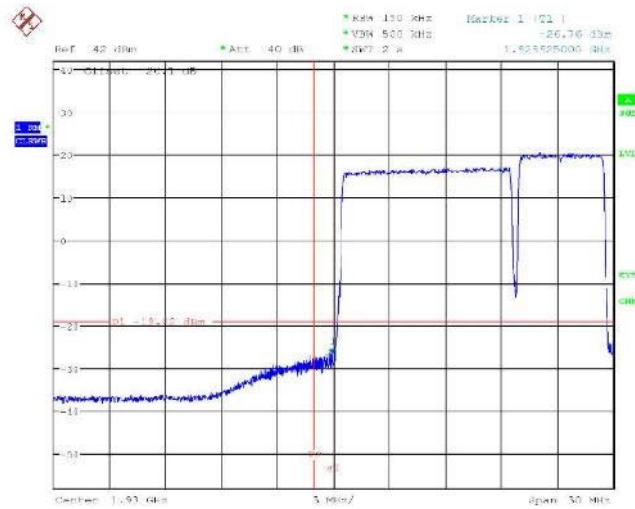
Date: 25.APR.2017 10:25:28

Figure 104 Spurious Emissions (3GHz – 19.950GHz) – 64QAM (1958.9/1966.1 MHz) (10 MHz/5MHz Channel BW)



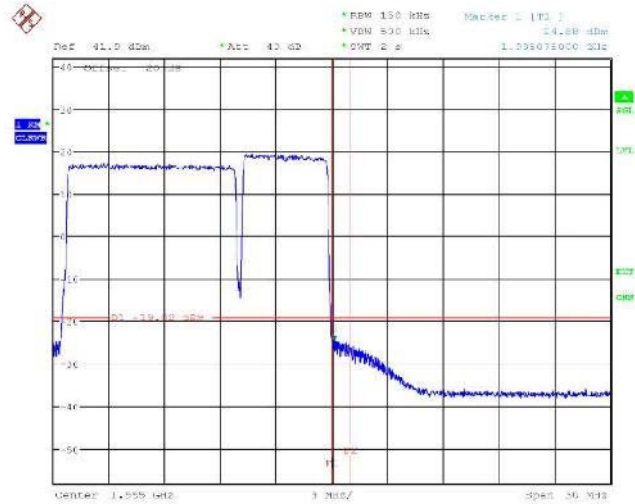
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.APR.2017 08:51:54

Figure 105 Spurious Emissions (Lower Band Edge) – 256QAM (1935.0/1942.2 MHz) (10 MHz/5MHz Channel BW)



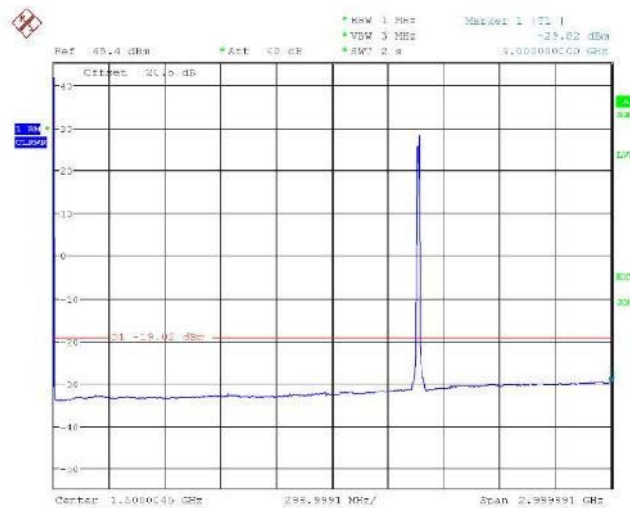
Date: 25.APR.2017 08:54:14

Figure 106 Spurious Emissions (Upper Band Edge) – 256QAM (1985.3/1992.5 MHz) (10 MHz/5MHz Channel BW)



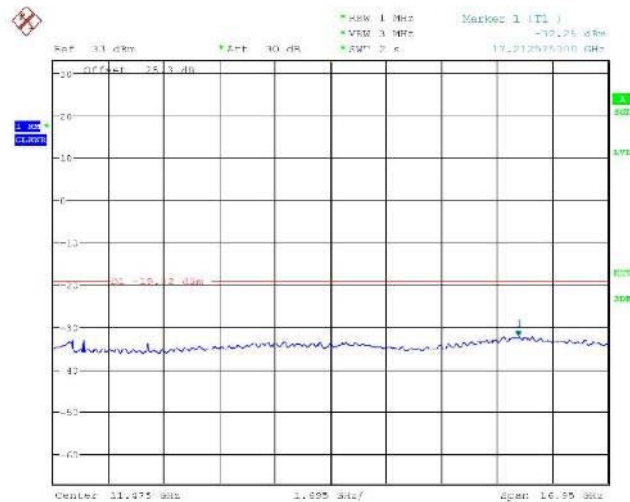
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.Apr.2017 12:50:07

Figure 107 Spurious Emissions (9kHz – 3GHz) – 256QAM (1958.9/1966.1 MHz) (10 MHz/5MHz Channel BW)



Date: 25.Apr.2017 13:27:53

Figure 108 Spurious Emissions (3GHz – 19.950GHz) – 256QAM (1958.9/1966.1 MHz) (10 MHz/5MHz Channel BW)

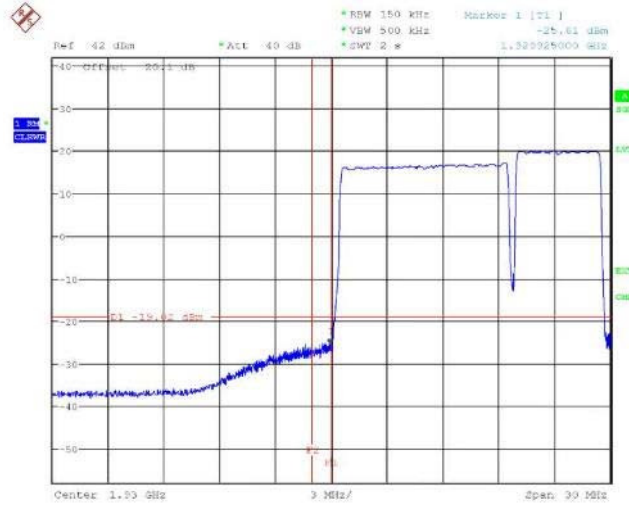


Product Service

FCC ID:
VBNAHFB-01

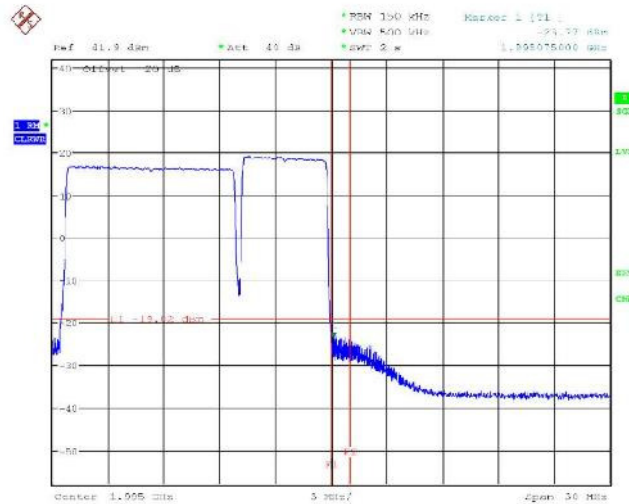
Test Report No:
D555117518

Config B ANT2:



Date: 25.APR.2017 08:29:34

Figure 109 Spurious Emissions (Lower Band Edge) – QPSK (1935.0/1942.2 MHz) (10 MHz/5MHz Channel BW)



Date: 25.APR.2017 06:40:17

Figure 110 Spurious Emissions (Upper Band Edge) – QPSK (1985.3/1992.5 MHz) (10 MHz/5MHz Channel BW)

FCC 47 CFR part 24
(2016)

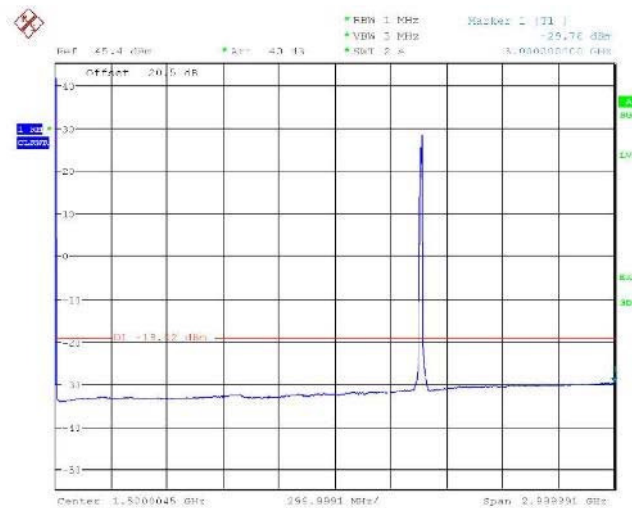
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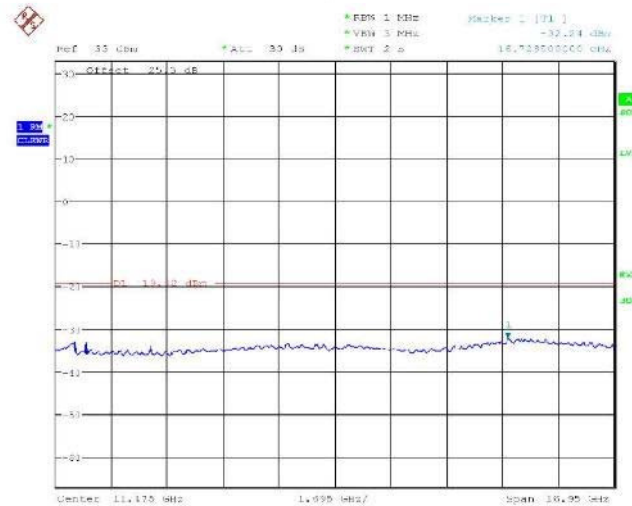
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.APR.2017 11:06:20

Figure 111 Spurious Emissions (9kHz – 3GHz) - QPSK (1958.9/1966.1 MHz) (10 MHz/5MHz Channel BW)



Date: 25.APR.2017 10:32:10

Figure 112 Spurious Emissions (3GHz – 19.950GHz) – QPSK (1958.9/1966.1 MHz) (10 MHz/5MHz Channel BW)