



Product Service

FCC ID:
VBNAHFB-01

Test Report No:
D555117518

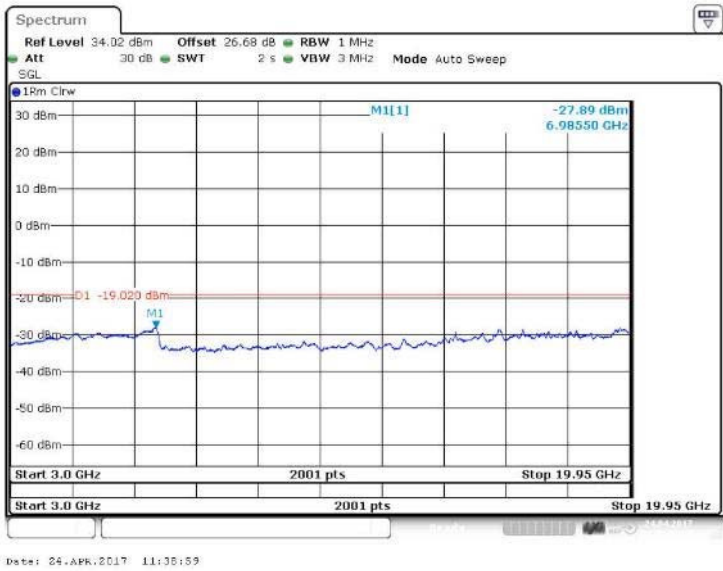


Figure 51 Spurious Emissions (9kHz – 3GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)

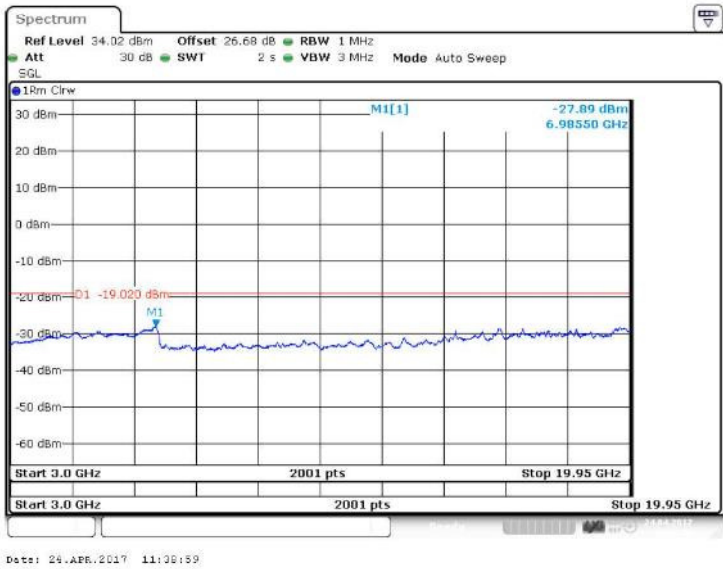


Figure 52 Spurious Emissions (3GHz – 19.950GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)



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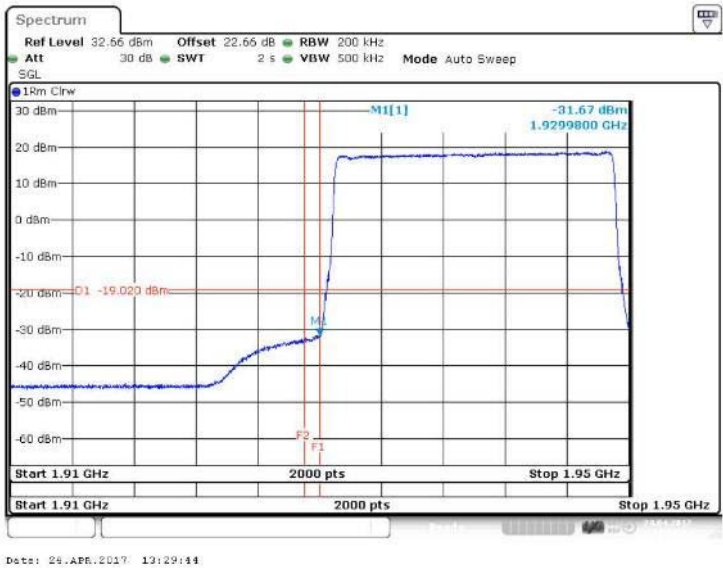


Figure 53 Spurious Emissions (Lower Band Edge) – 64QAM (1962.5 MHz)
(20MHz Channel BW)



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



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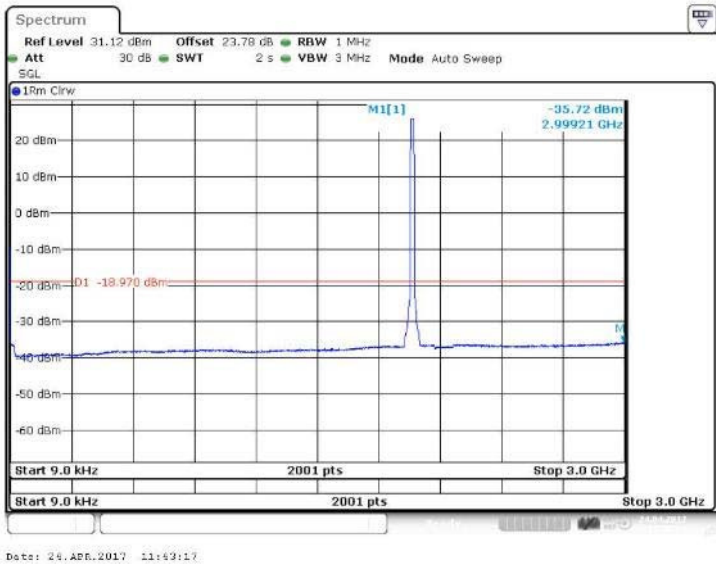


Figure 55 Spurious Emissions (9kHz – 3GHz) – 64QAM (1962.5 MHz) (20MHz Channel BW)

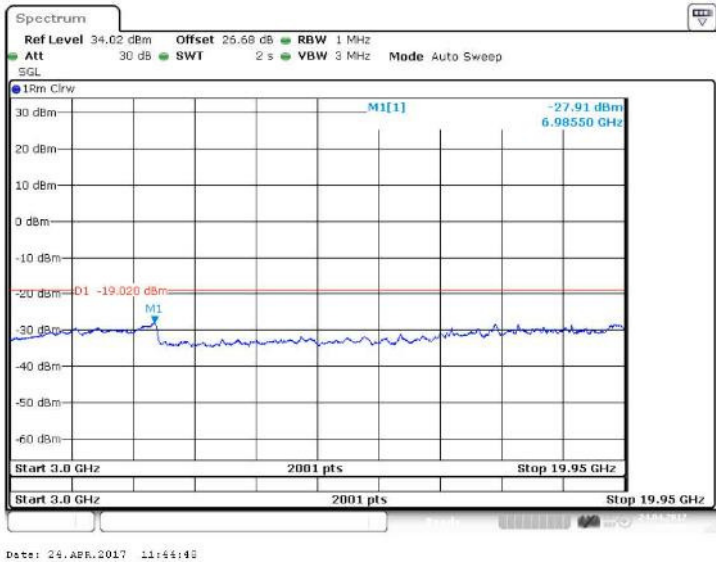


Figure 56 Spurious Emissions (3GHz – 19.950GHz) – 64QAM (1962.5 MHz) (20MHz Channel BW)



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



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



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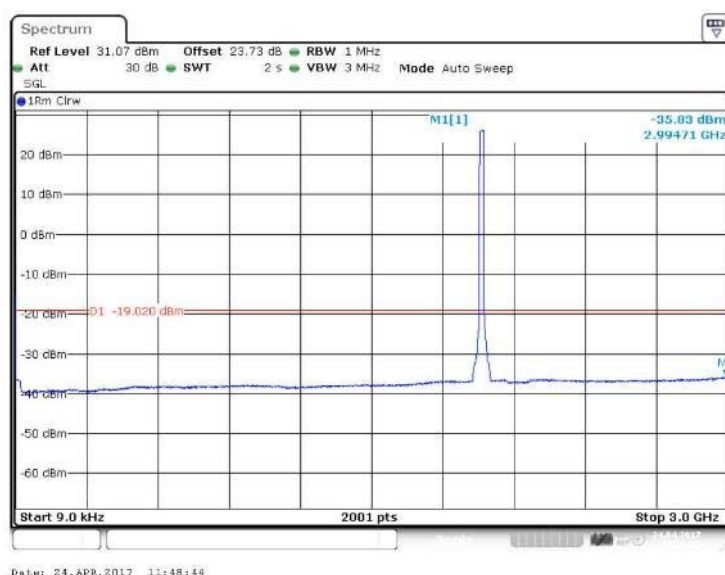


Figure 59 Spurious Emissions (9kHz – 3GHz) – 256QAM (1962.5 MHz) (20MHz Channel BW)

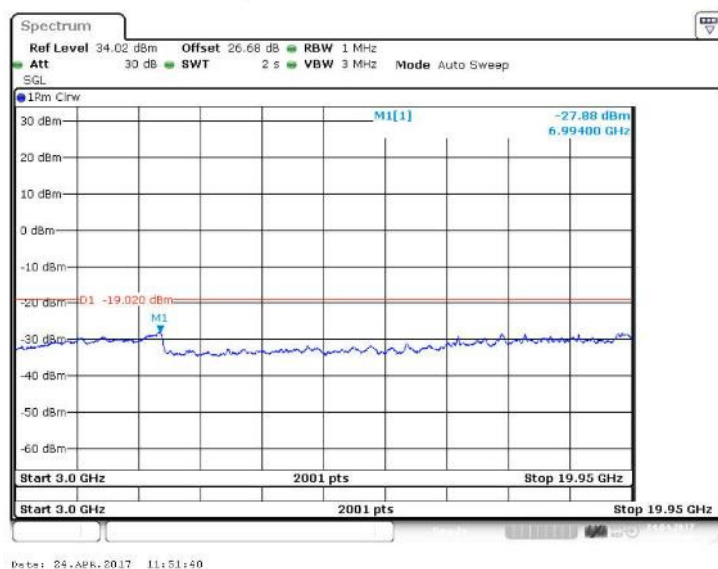


Figure 60 Spurious Emissions (3GHz – 19.950GHz) – 256QAM (1962.5 MHz) (20MHz Channel BW)

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Config A ANT3:

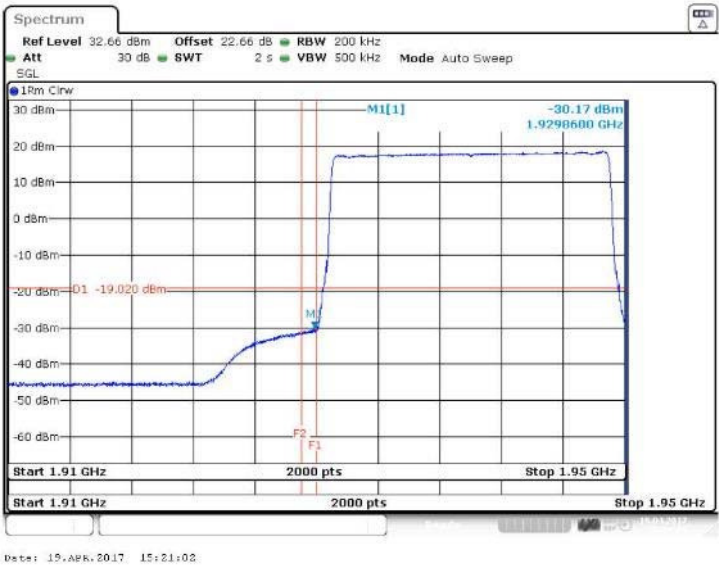


Figure 61 Spurious Emissions (Lower Band Edge) – QPSK (1940.0 MHz)
(20MHz Channel BW)

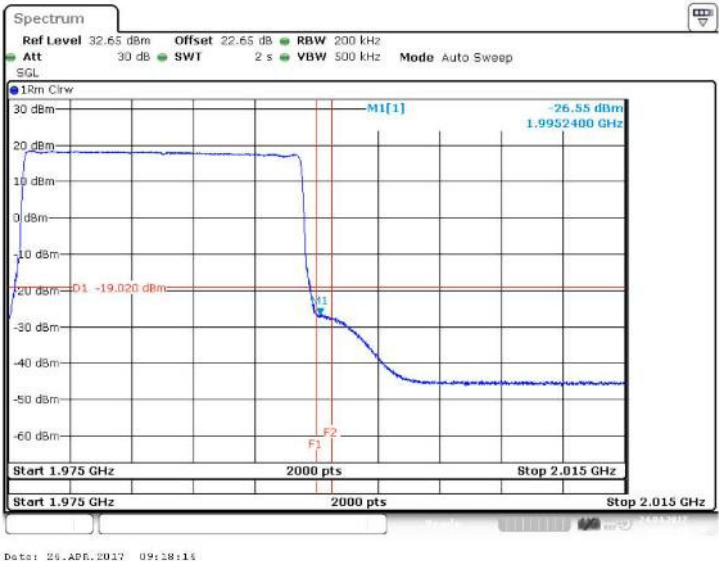


Figure 62 Spurious Emissions (Upper Band Edge) – QPSK (1985.0 MHz)
(20MHz Channel BW)



Product Service

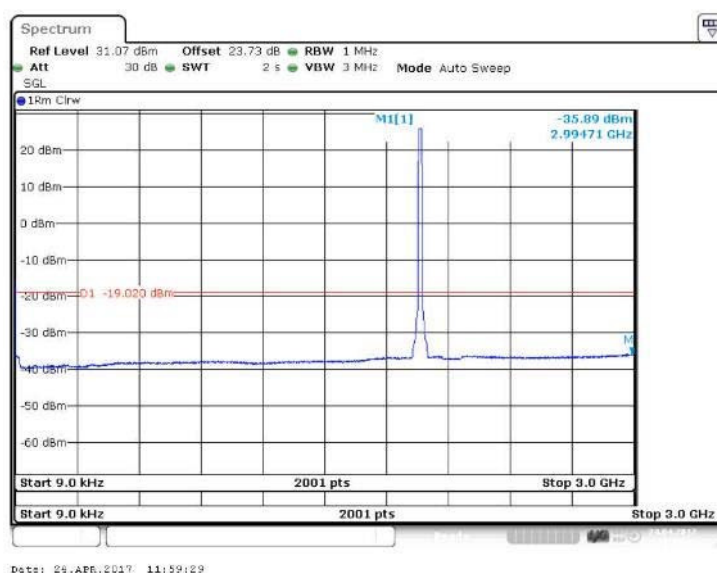
FCC ID:
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Figure 63 Spurious Emissions (9kHz – 3GHz) - QPSK (1962.5 MHz) (20MHz Channel BW)

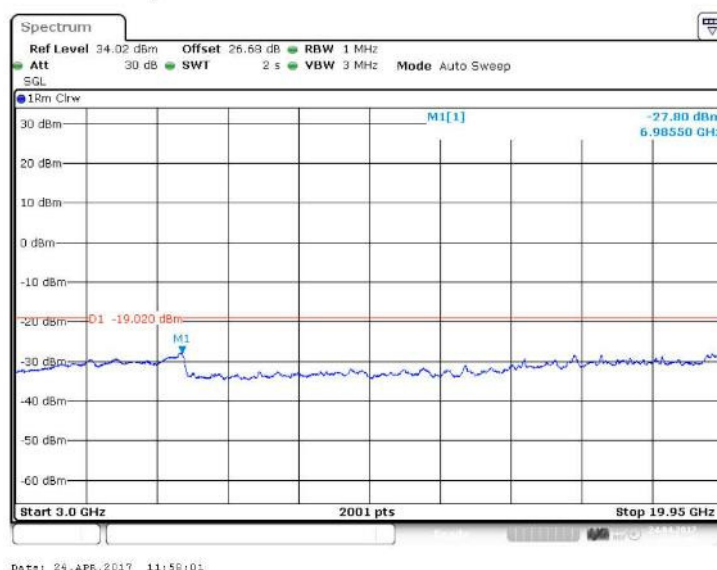


Figure 64 Spurious Emissions (3GHz – 19.950GHz) – QPSK (1962.5 MHz) (20MHz Channel BW)

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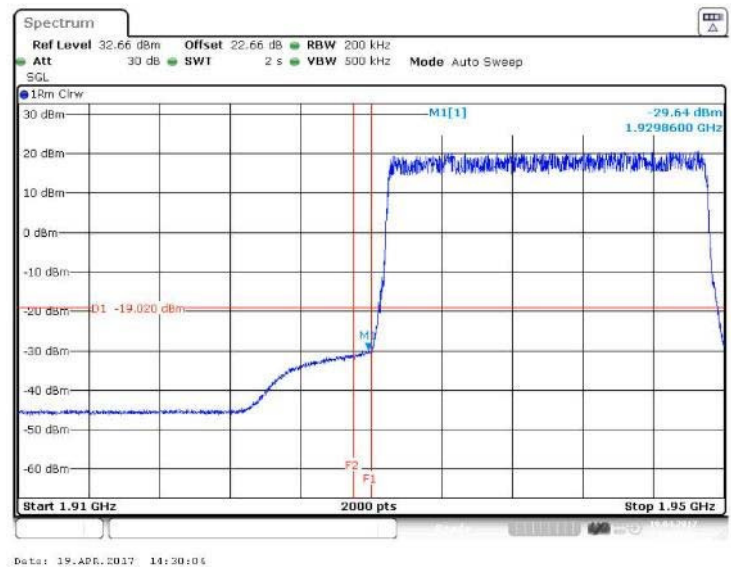


Figure 65 Spurious Emissions (Lower Band Edge) – 16QAM (1940.0 MHz)
(20MHz Channel BW)

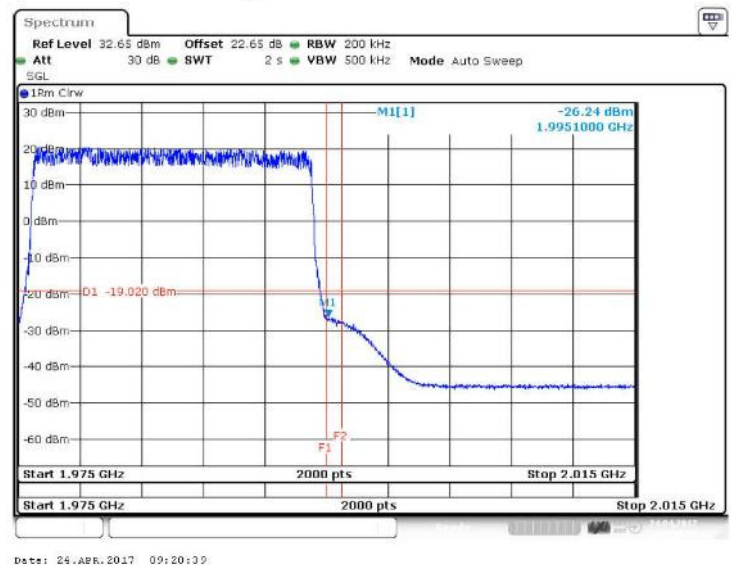


Figure 66 Spurious Emissions (Upper Band Edge) – 16QAM (1985.0 MHz)
(20MHz Channel BW)



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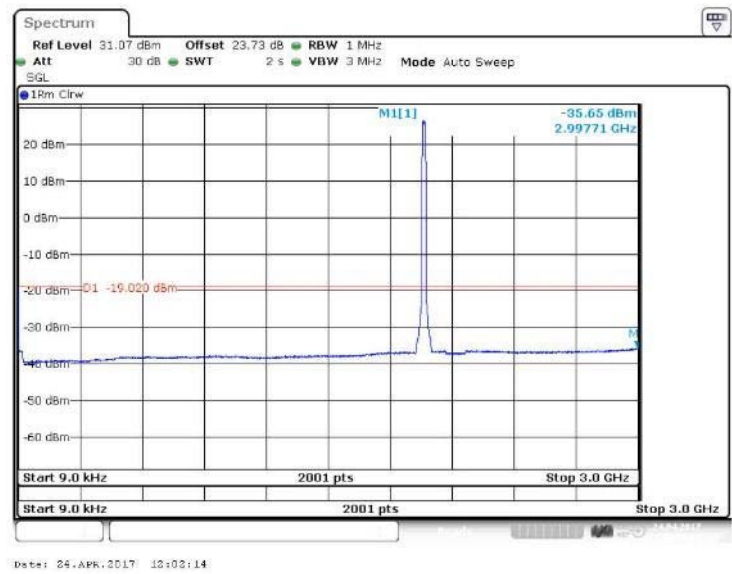


Figure 67 Spurious Emissions (9kHz – 3GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)

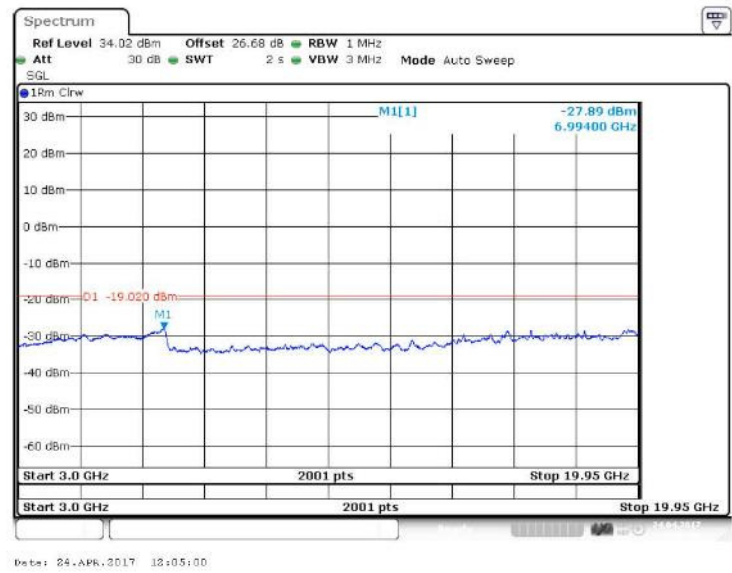


Figure 68 Spurious Emissions (3GHz – 19.950GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)



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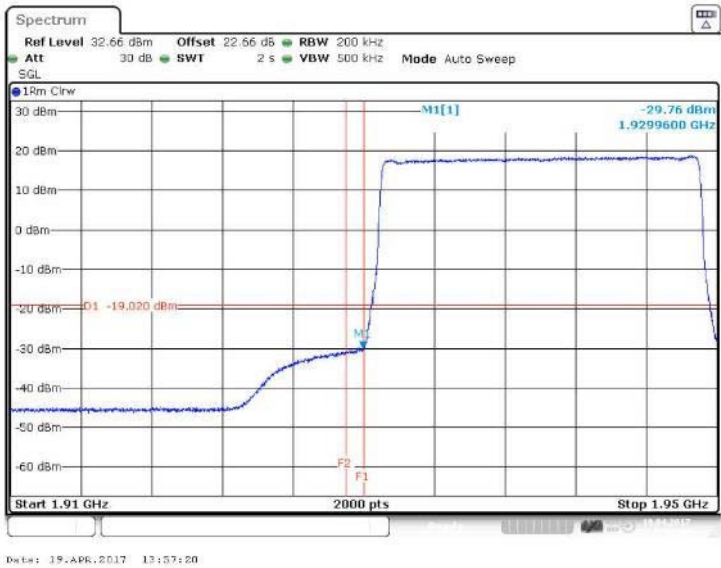


Figure 69 Spurious Emissions (Lower Band Edge) – 64QAM (1940.0 MHz)
(20MHz Channel BW)

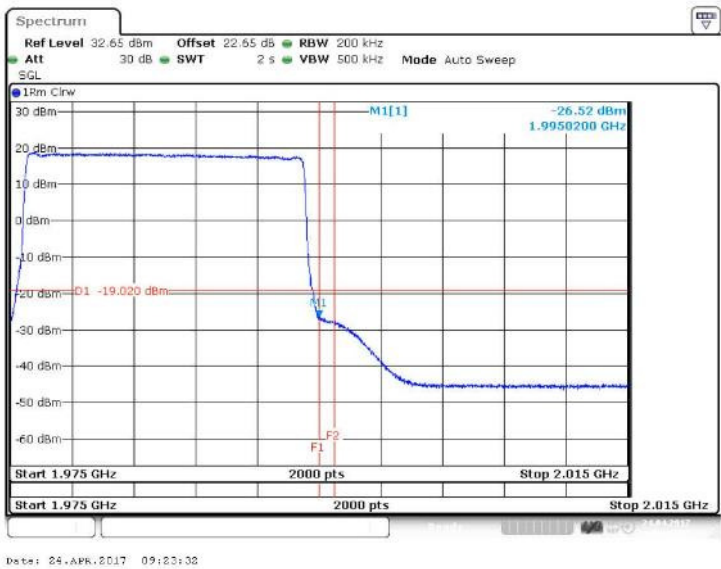


Figure 70 Spurious Emissions (Upper Band Edge) – 64QAM (1985.0 MHz)
(20MHz Channel BW)



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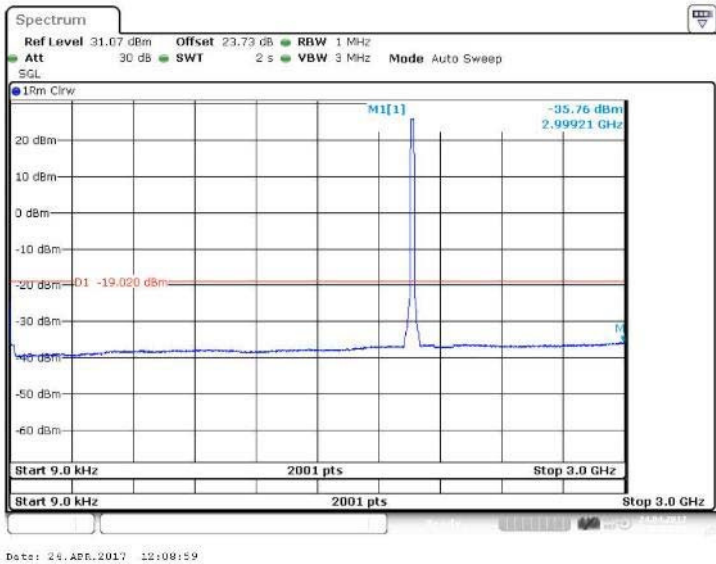


Figure 71 Spurious Emissions (9kHz – 3GHz) – 64QAM (1962.5 MHz) (20MHz Channel BW)

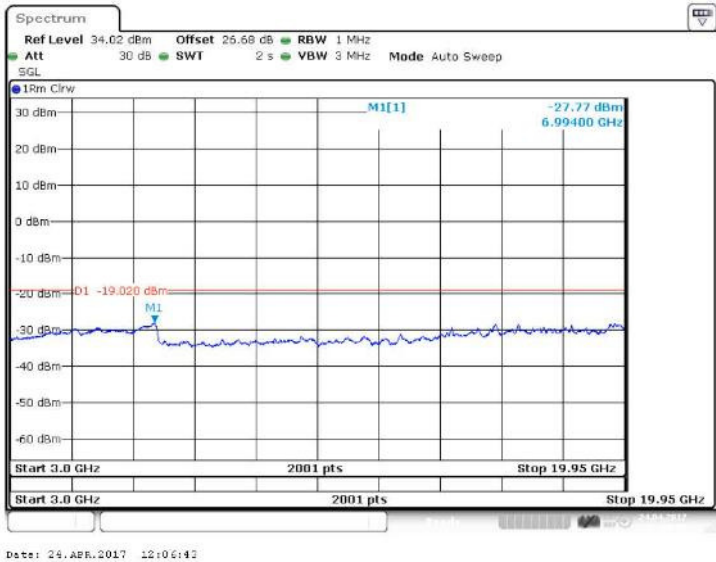


Figure 72 Spurious Emissions (3GHz – 19.950GHz) – 64QAM (1962.5 MHz) (20MHz Channel BW)



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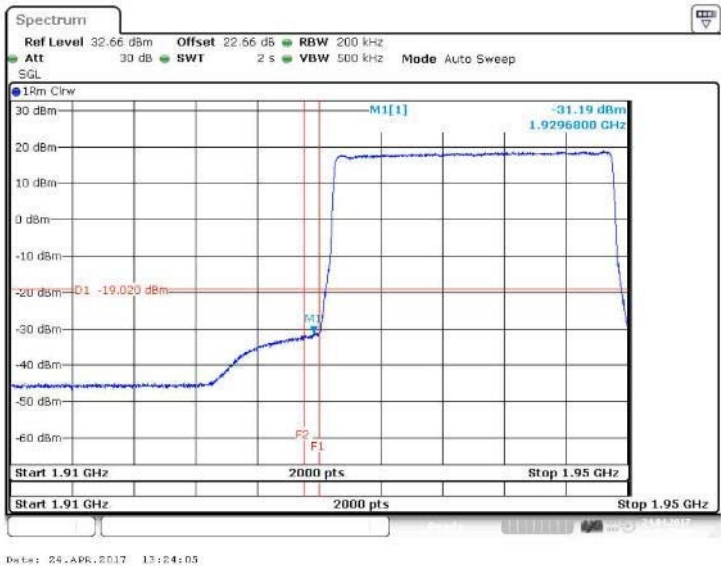


Figure 73 Spurious Emissions (Lower Band Edge) – 256QAM (1940.0 MHz)
(20MHz Channel BW)

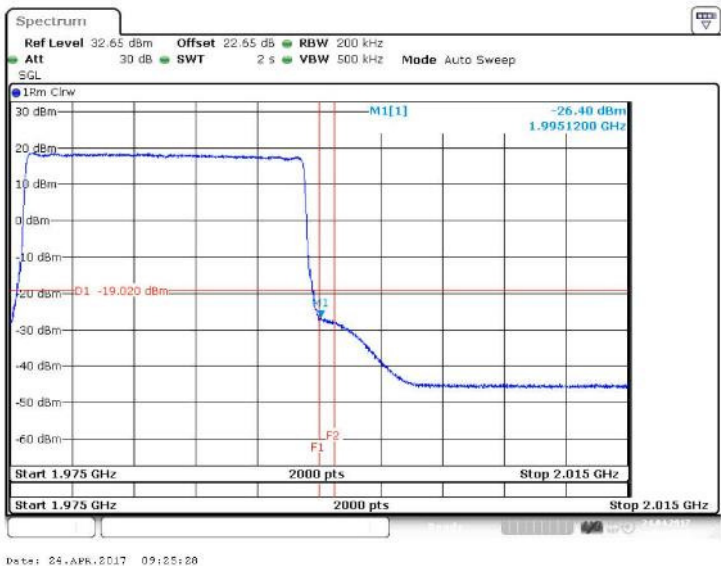


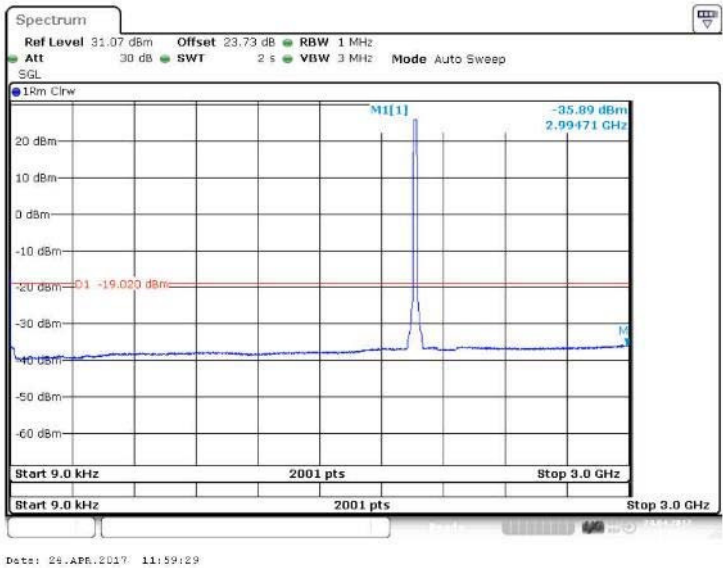
Figure 74 Spurious Emissions (Upper Band Edge) – 256QAM (1985.0 MHz)
(20MHz Channel BW)



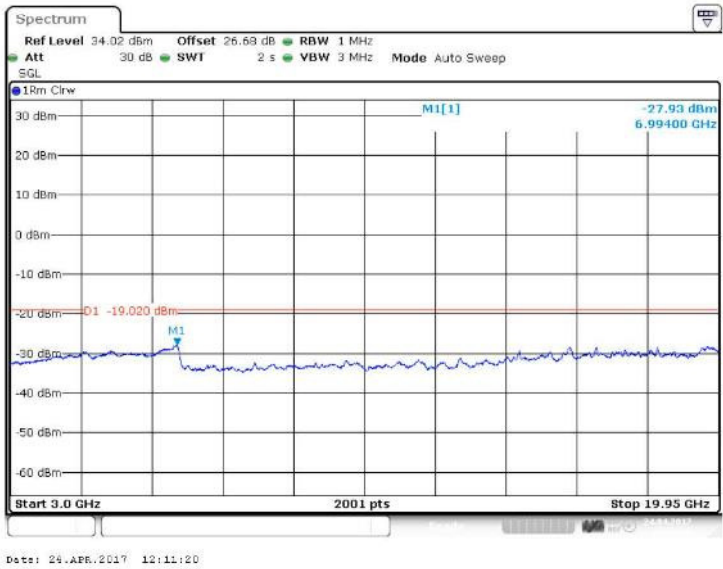
Product Service

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



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

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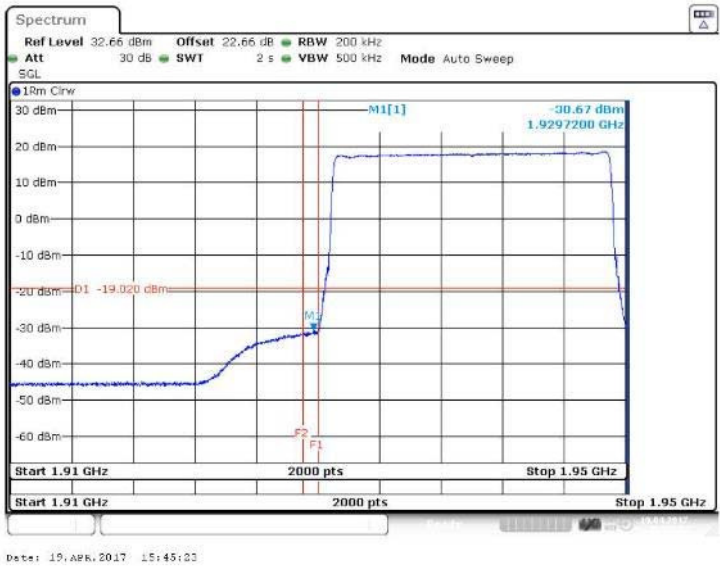


Figure 77 Spurious Emissions (Lower Band Edge) – QPSK (1940.0 MHz)
(20MHz Channel BW)

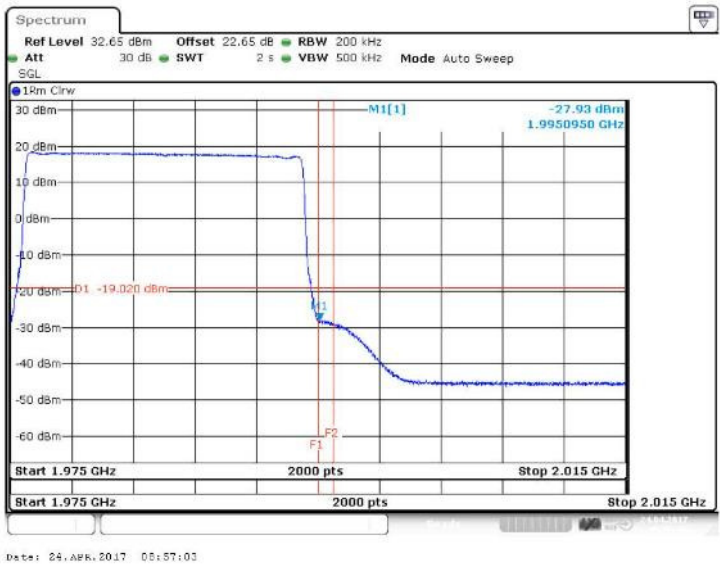


Figure 78 Spurious Emissions (Upper Band Edge) – QPSK (1985.0 MHz)
(20MHz Channel BW)



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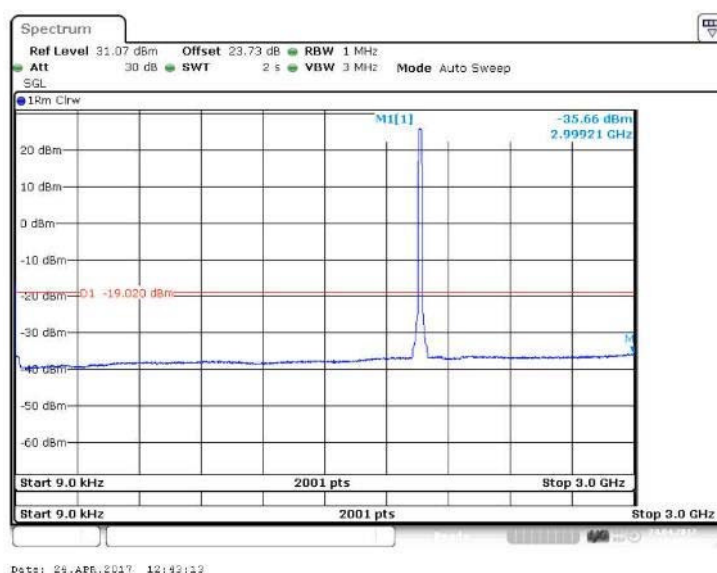


Figure 79 Spurious Emissions (9kHz – 3GHz) - QPSK (1962.5 MHz) (20MHz Channel BW)

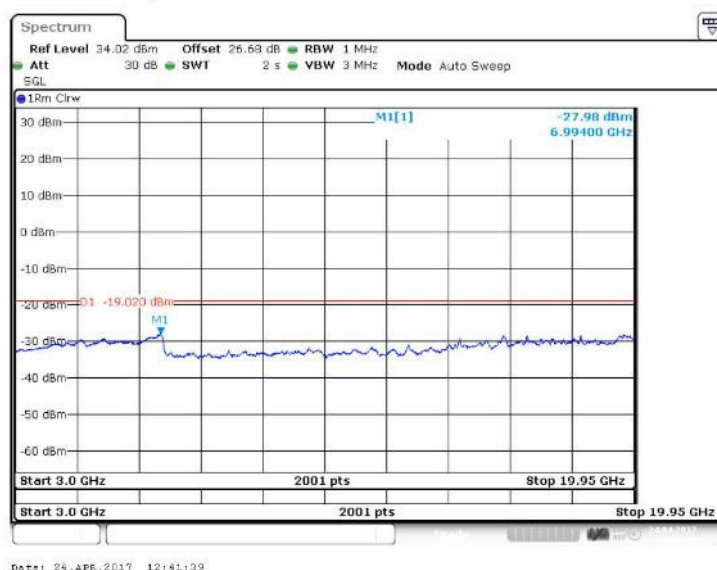


Figure 80 Spurious Emissions (3GHz – 19.950GHz) – QPSK (1962.5 MHz) (20MHz Channel BW)



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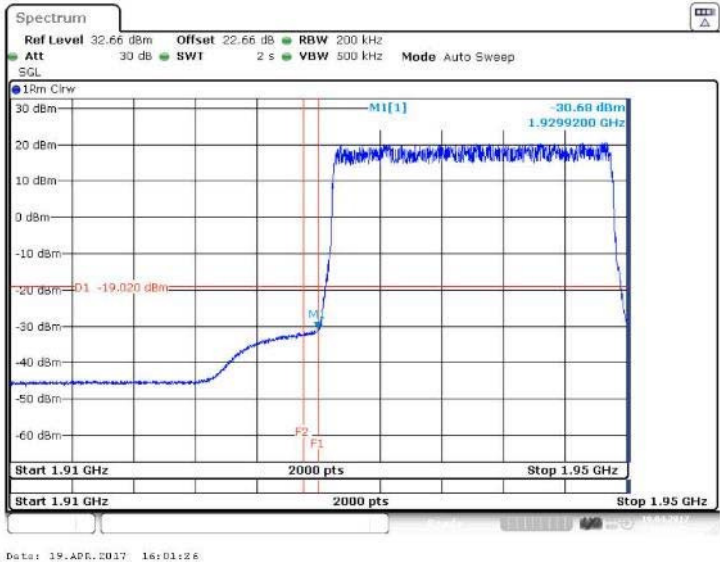


Figure 81 Spurious Emissions (Lower Band Edge) – 16QAM (1940.0 MHz)
(20MHz Channel BW)

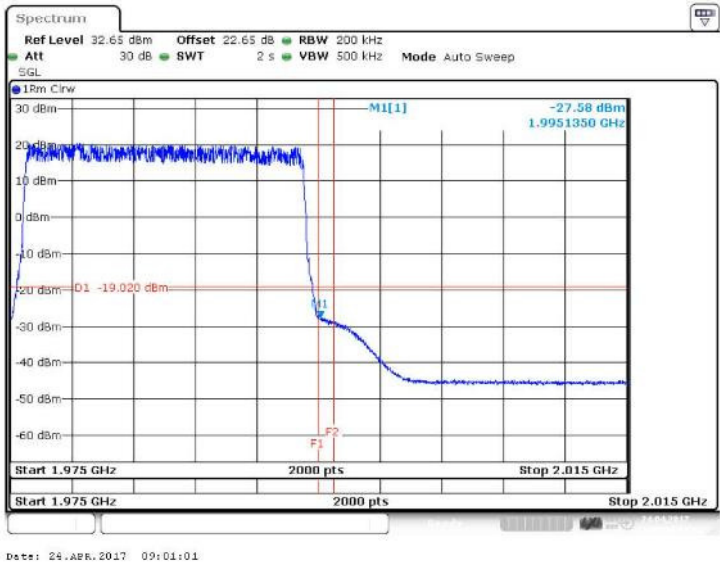


Figure 82 Spurious Emissions (Upper Band Edge) – 16QAM (1985.0 MHz)
(20MHz Channel BW)



Product Service

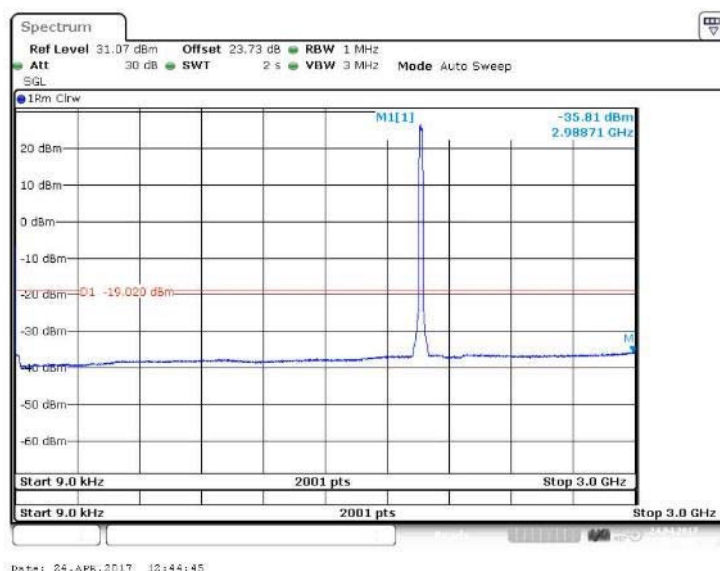
FCC ID:
VBNAHFB-01Test Report No:
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Figure 83 Spurious Emissions (9kHz – 3GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)

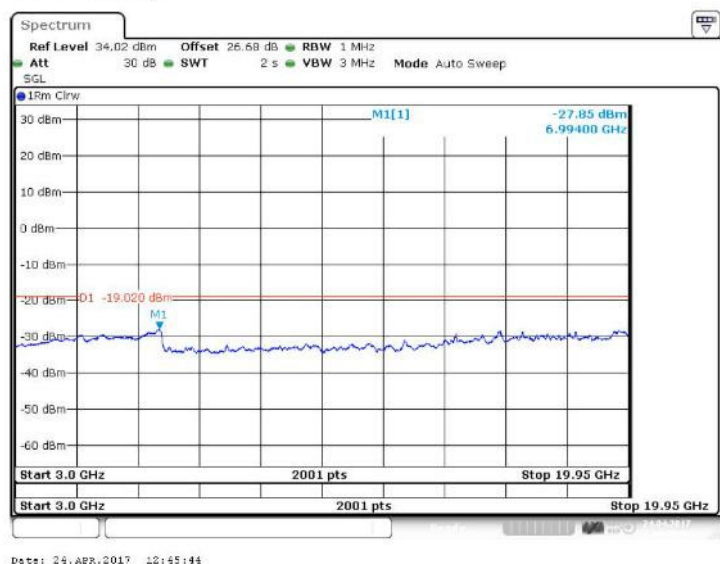


Figure 84 Spurious Emissions (3GHz – 19.950GHz) – 16QAM (1962.5 MHz) (20MHz Channel BW)

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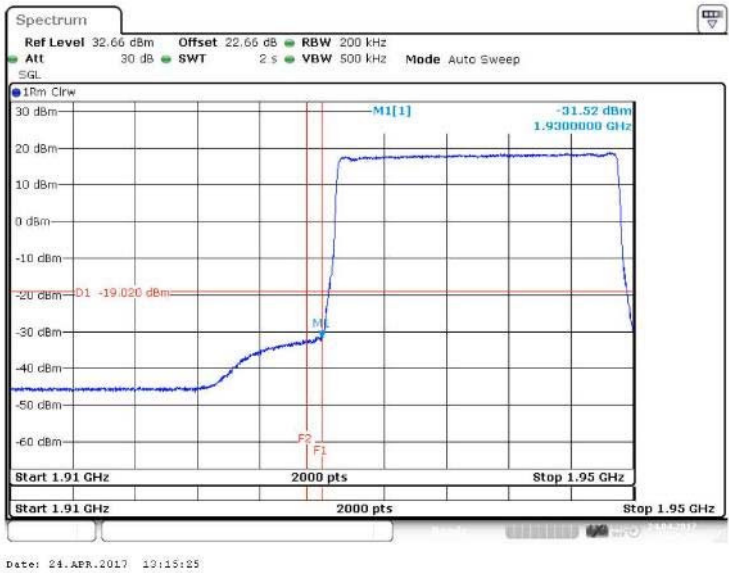
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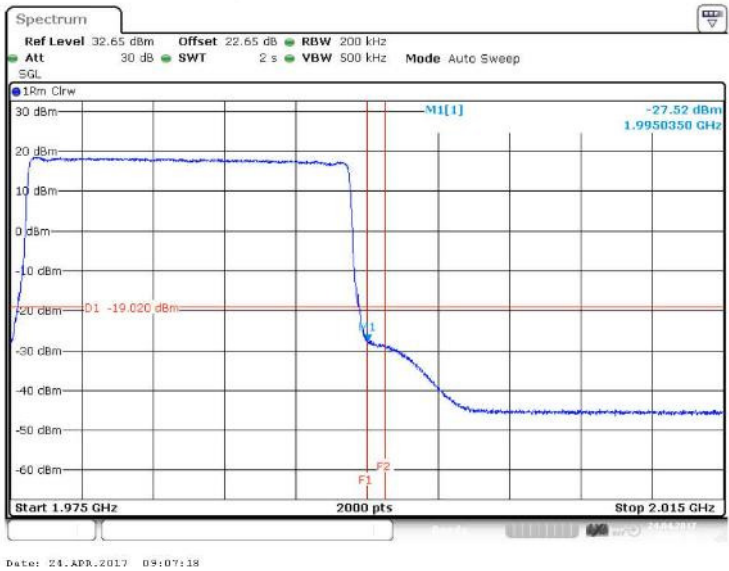
Product Service

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



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



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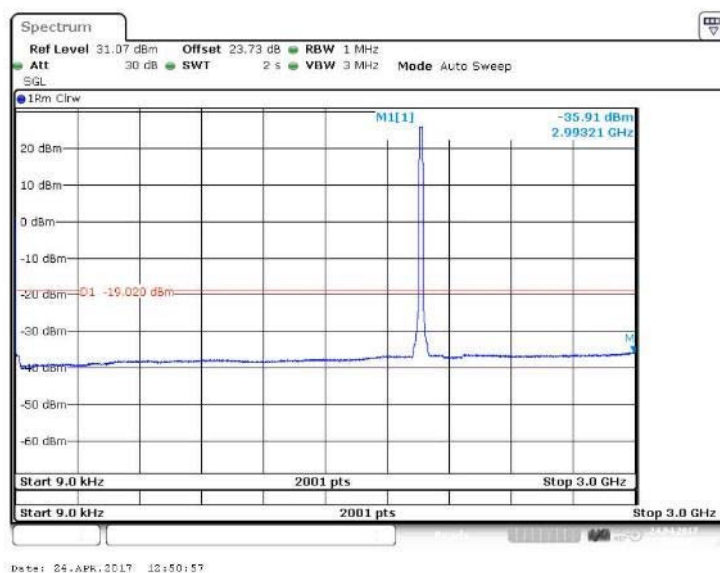


Figure 87 Spurious Emissions (9kHz – 3GHz) – 64QAM (1962.5 MHz) (20MHz Channel BW)

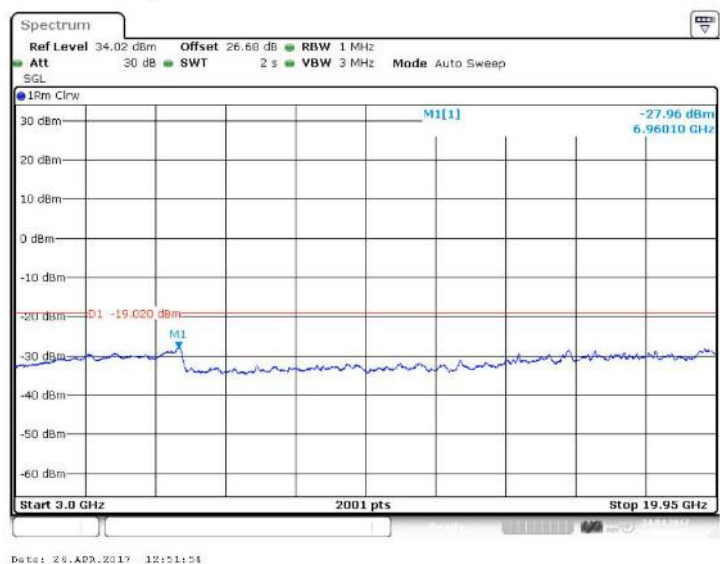


Figure 88 Spurious Emissions (3GHz – 19.950GHz) – 64QAM ((1962.5 MHz) (20MHz Channel BW)

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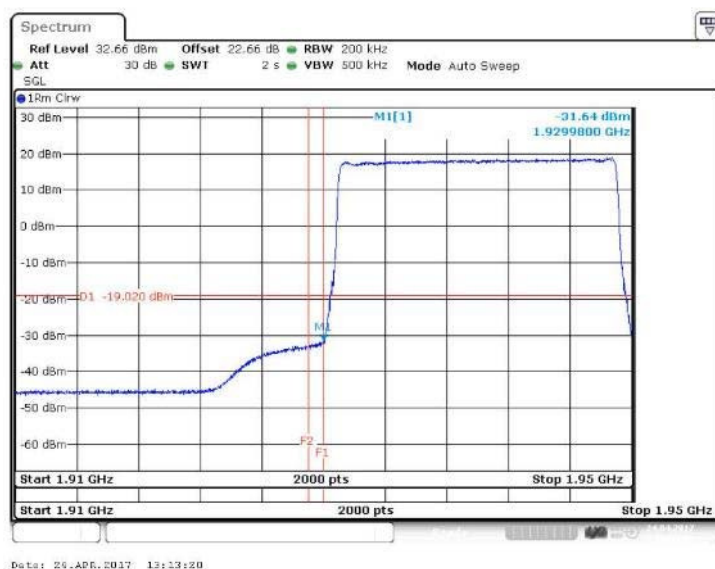
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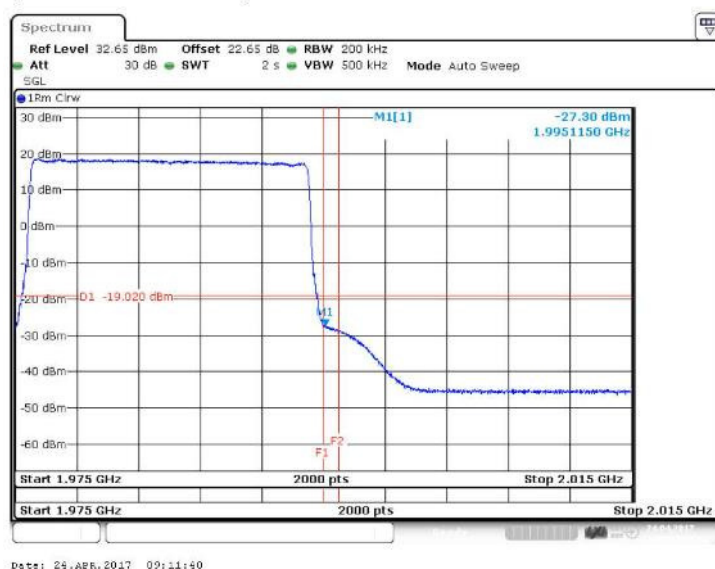


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**Figure 89 Spurious Emissions (Lower Band Edge) – 256QAM (1940.0 MHz)
(20MHz Channel BW)**



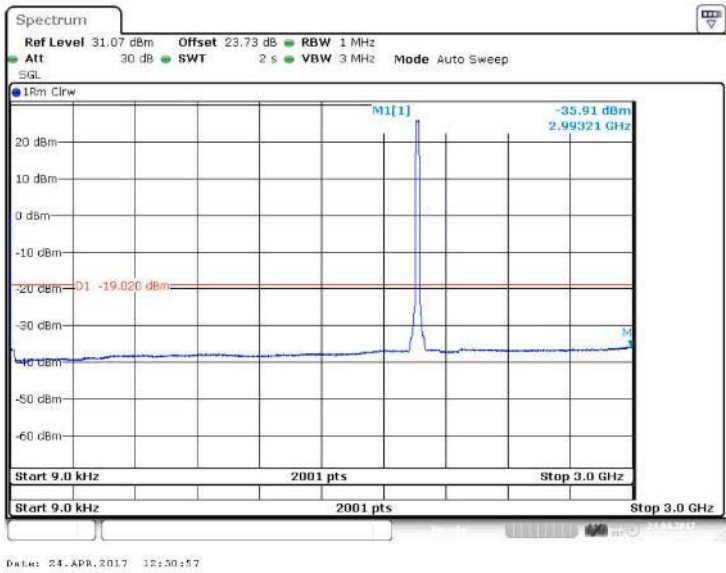
**Figure 90 Spurious Emissions (Upper Band Edge) – 256QAM (1985.0 MHz)
(20MHz Channel BW)**



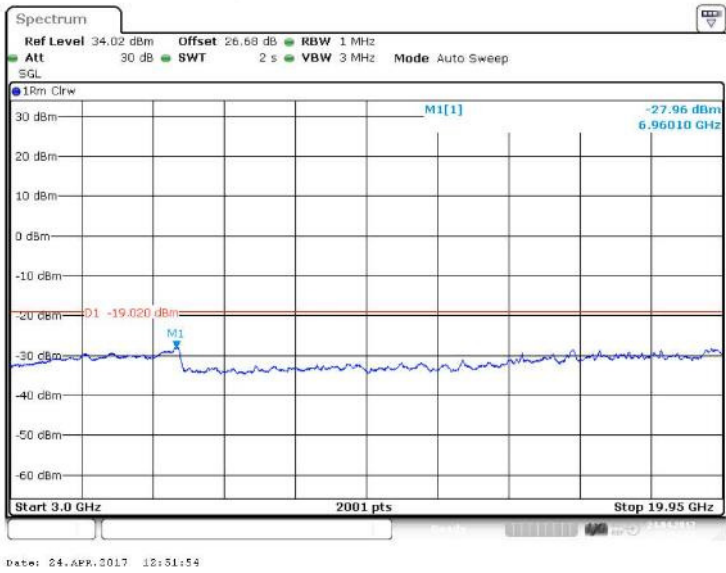
Product Service

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**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)**



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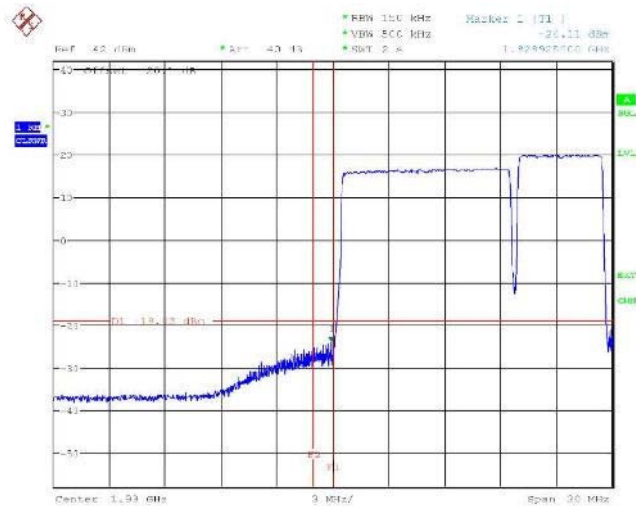
Config B ANT1:



Product Service

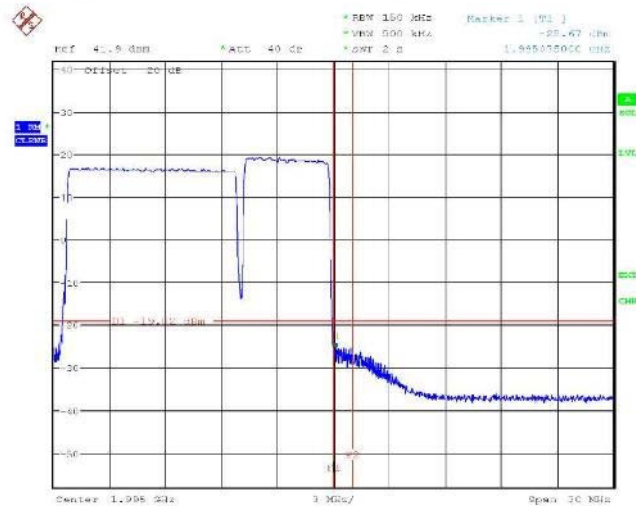
FCC ID:
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Date: 25.APR.2017 06:48:40

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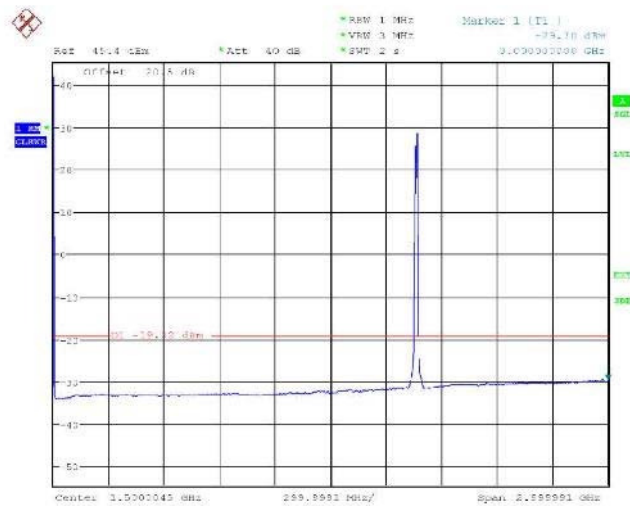
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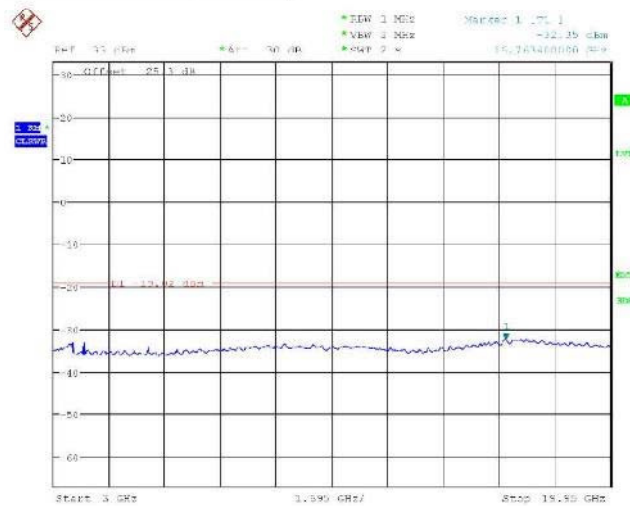
FCC ID:
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Date: 25.APR.2017 12:45:43

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)

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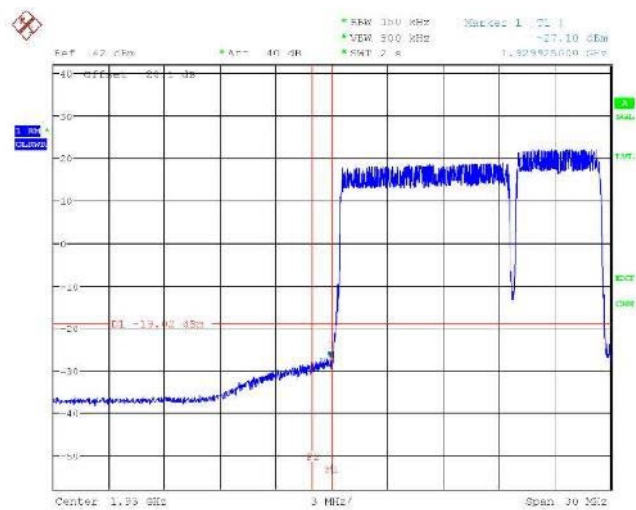


Figure 97 Spurious Emissions (Lower Band Edge) – 16QAM (1935.0/1942.2 MHz) (10MHz/5MHz Channel BW)

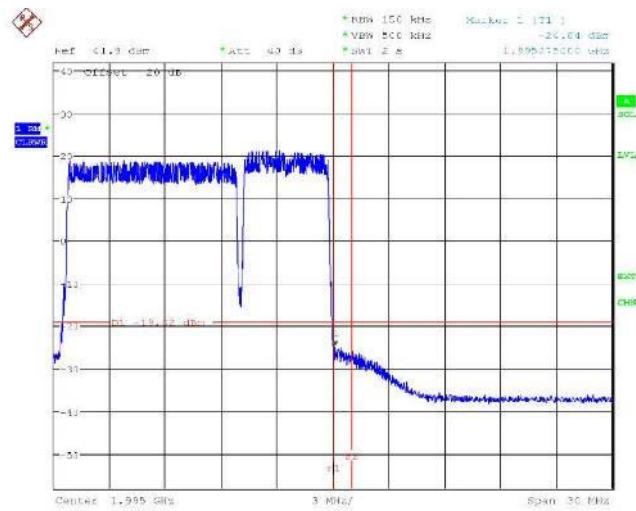


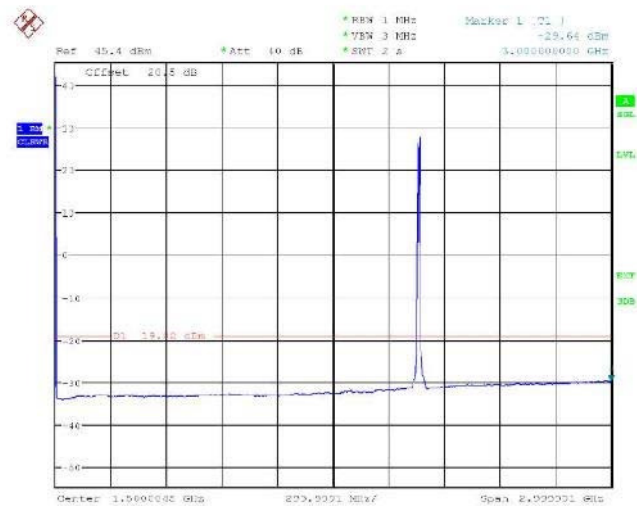
Figure 98 Spurious Emissions (Upper Band Edge) – 16QAM (1985.3/1992.5 MHz) (10MHz/5MHz Channel BW)



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Date: 25.APR.2017 12:47:31

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



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

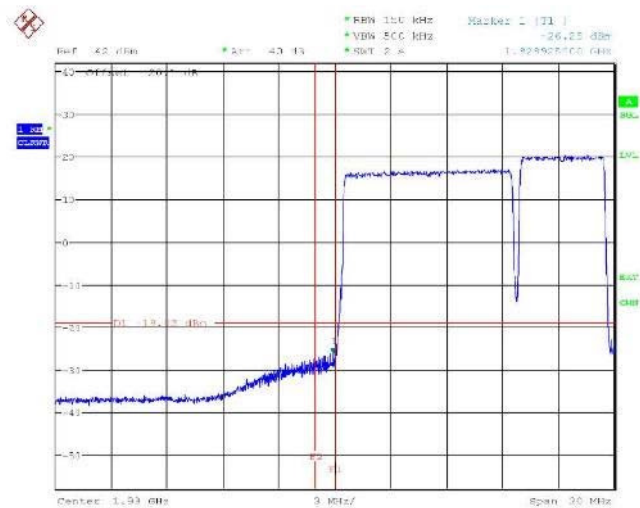
Figure 100 Spurious Emissions (3GHz – 19.950GHz) – 16QAM (1958.9/1966.1 MHz) (10 MHz/5MHz Channel BW)



Product Service

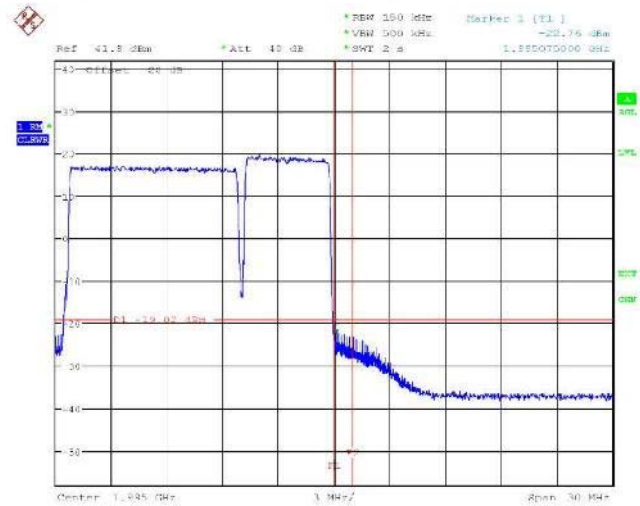
FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.APR.2017 06:49:47

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)

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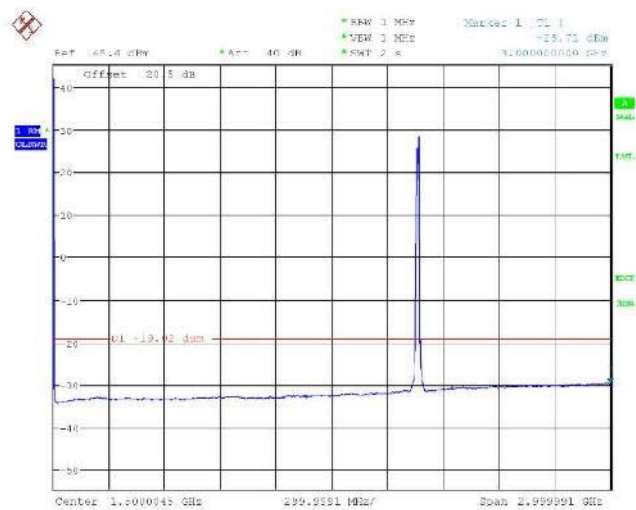
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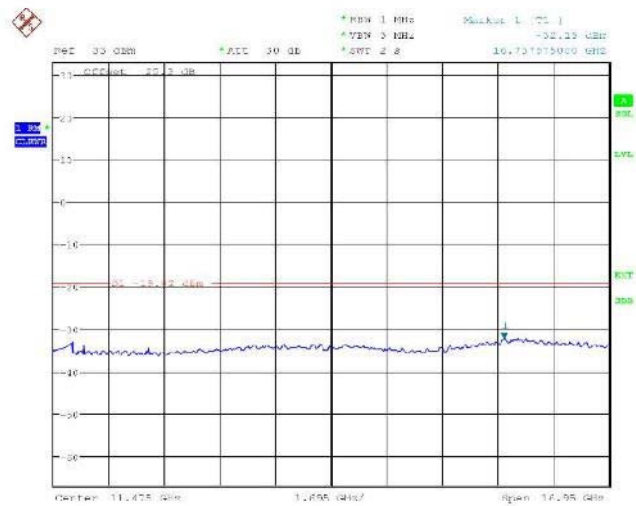
FCC ID:
VBNAHFB-01

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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 13:25:28

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

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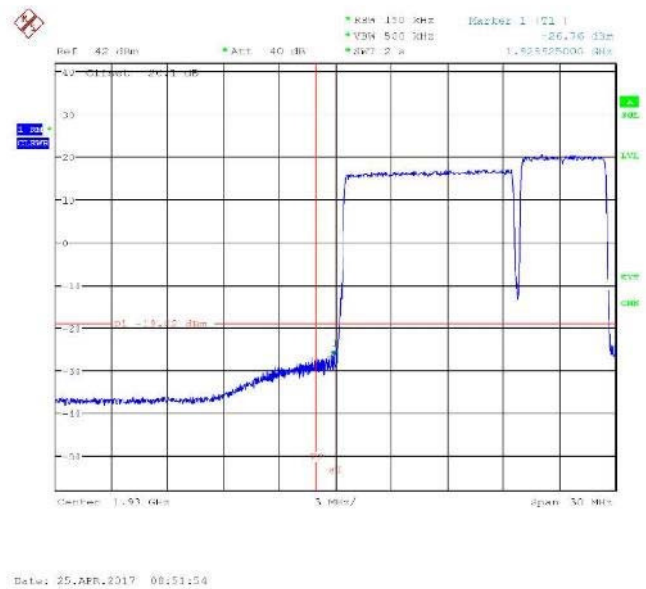


Figure 105 Spurious Emissions (Lower Band Edge) – 256QAM (1935.0/1942.2 MHz) (10 MHz/5MHz Channel BW)

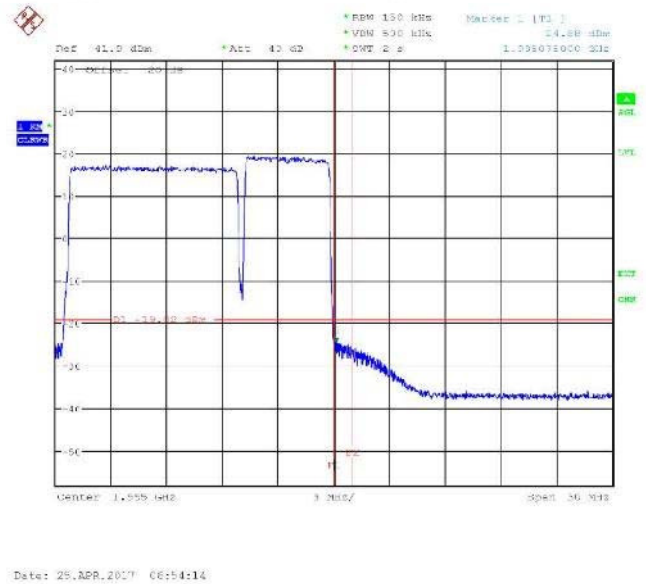


Figure 106 Spurious Emissions (Upper Band Edge) – 256QAM (1985.3/1992.5 MHz) (10 MHz/5MHz Channel BW)

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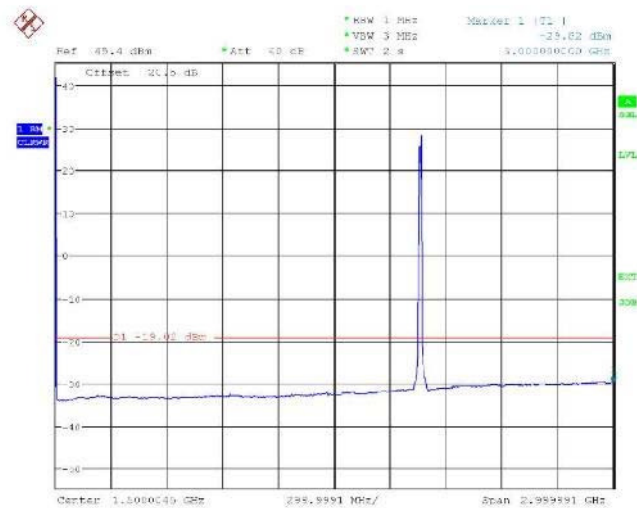
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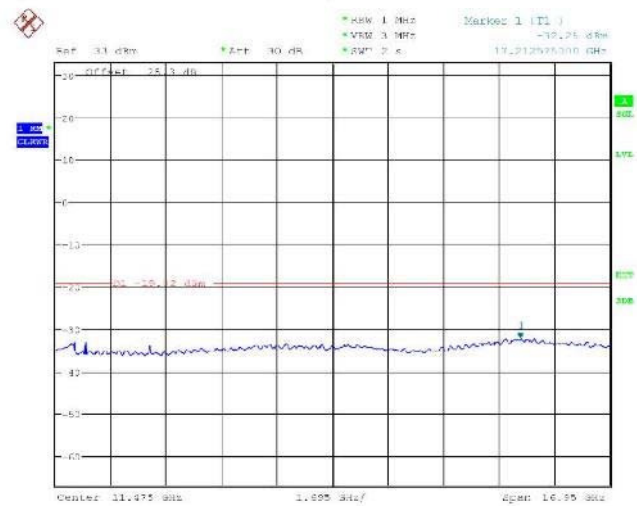
FCC ID:
VBNAHFB-01

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

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



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

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

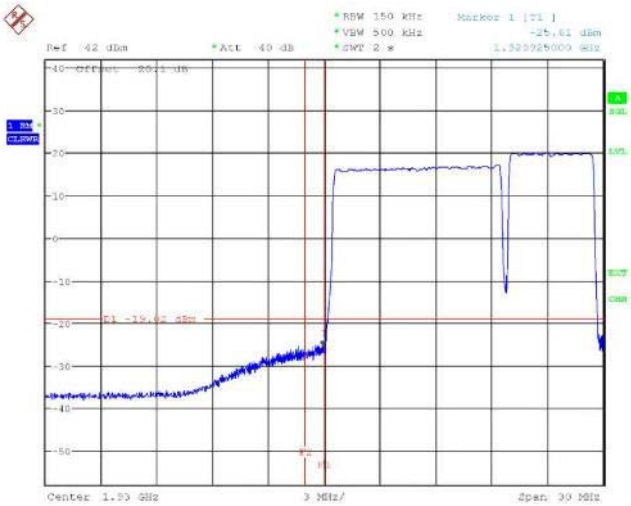


Product Service

FCC ID:
VBNAHFB-01

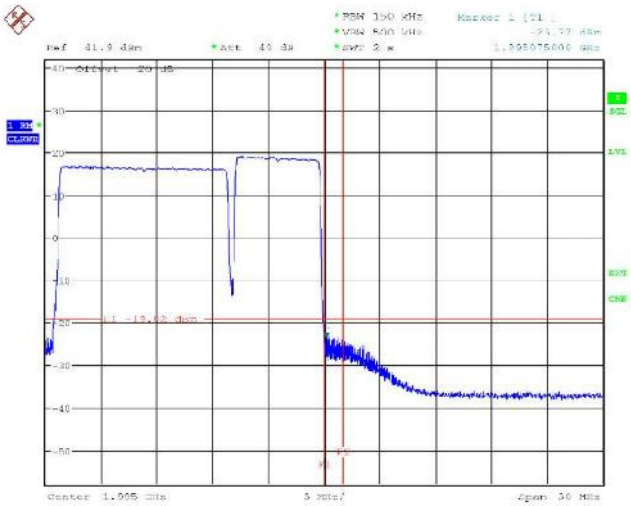
Test Report No:
D555117518

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)

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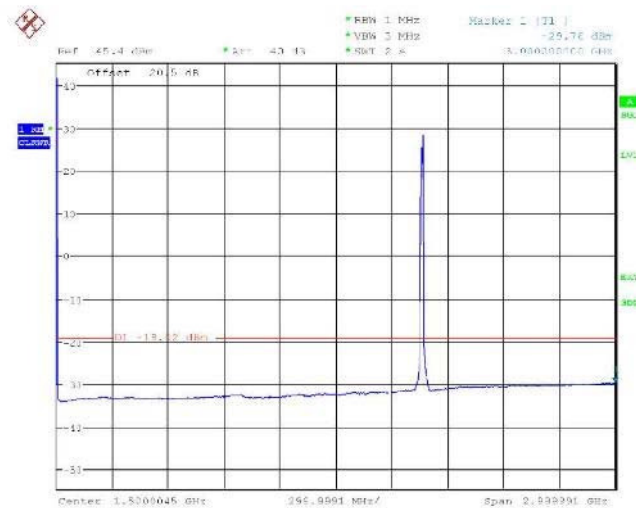
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Product Service

FCC ID:
VBNAHFB-01

Test Report No:
D555117518



Date: 25.APR.2017 11:46:20

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



Date: 25.APR.2017 13:32:10

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

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