



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

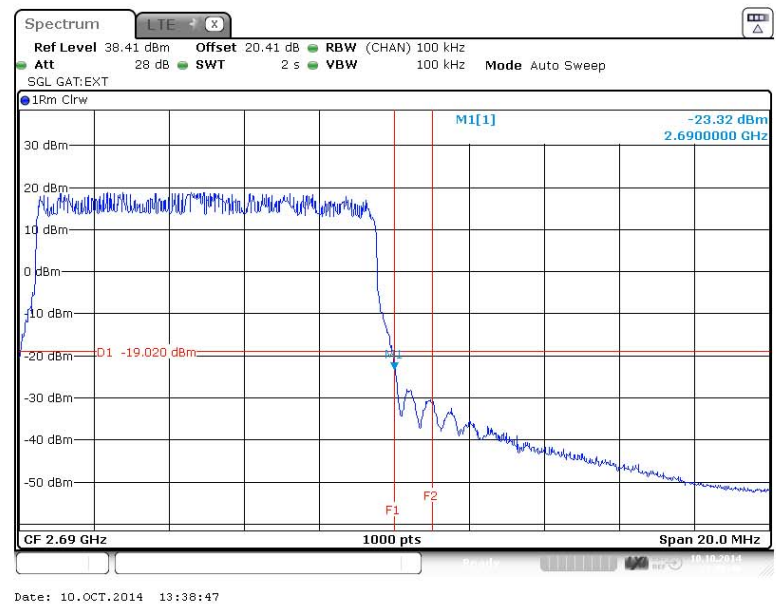


Figure 64 Spurious Emissions (Upper Band Edge) – 16QAM (2685.0 MHz) (10MHz Channel BW)

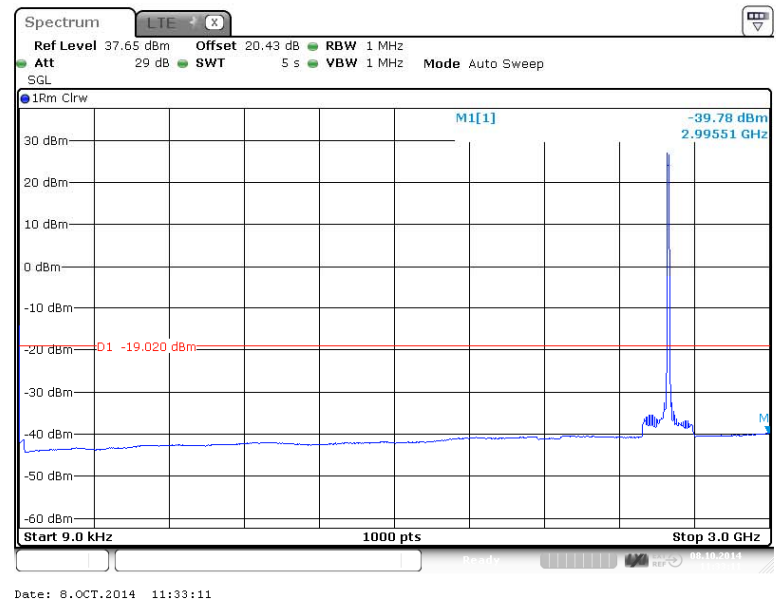


Figure 65 Spurious Emissions (9kHz – 3GHz) – 16QAM (2593.0 MHz) (10MHz Channel BW)



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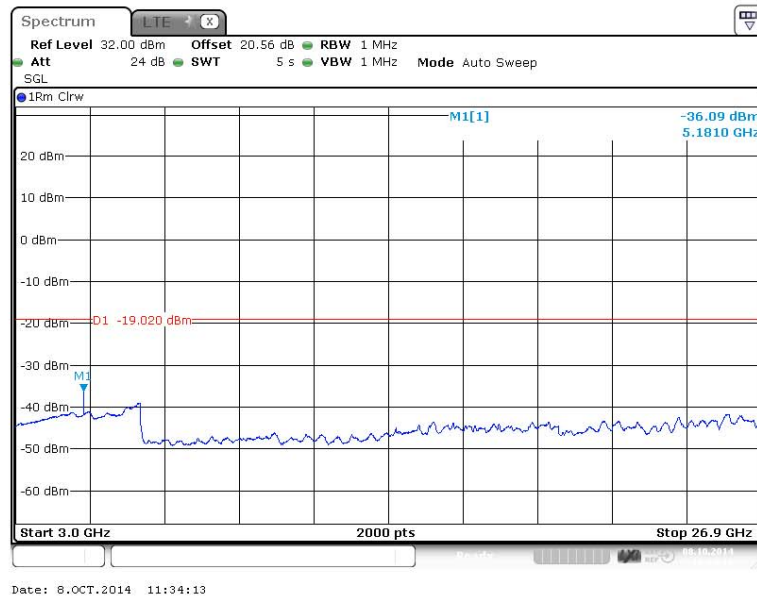


Figure 66 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz) (10MHz Channel BW)

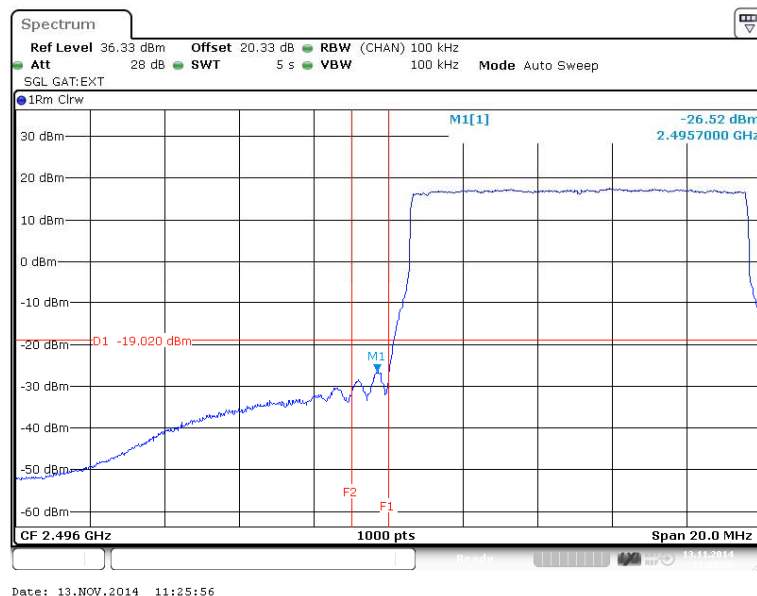


Figure 67 Spurious Emissions (Lower Band Edge) – 64QAM (2501.1 MHz) (10MHz Channel BW)



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Figure 68 Spurious Emissions (Upper Band Edge) – 64QAM (2685.0 MHz) (10MHz Channel BW)

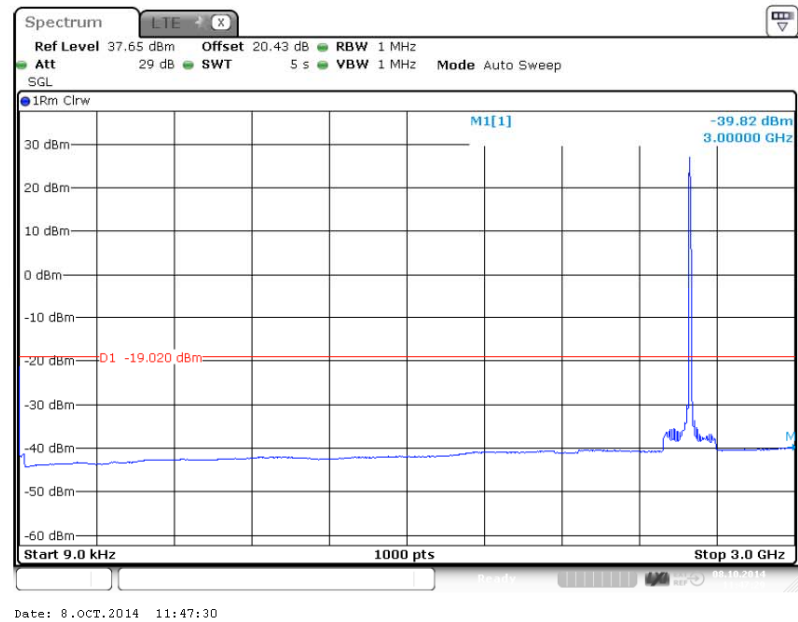


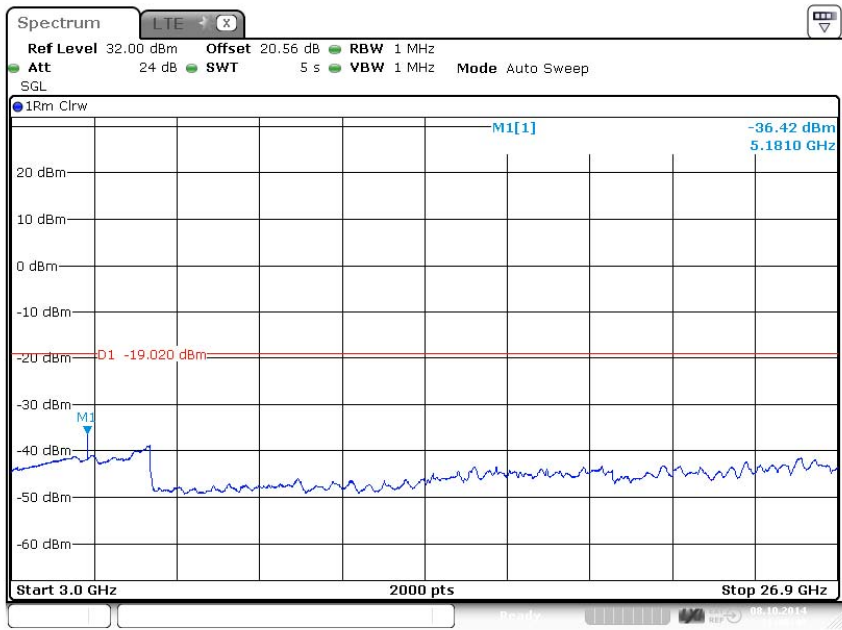
Figure 69 Spurious Emissions (9kHz – 3GHz) – 64QAM (2593.0 MHz) (10MHz Channel BW)



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Figure 70 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz)
(10MHz Channel BW)



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Config A ANT2/Main:

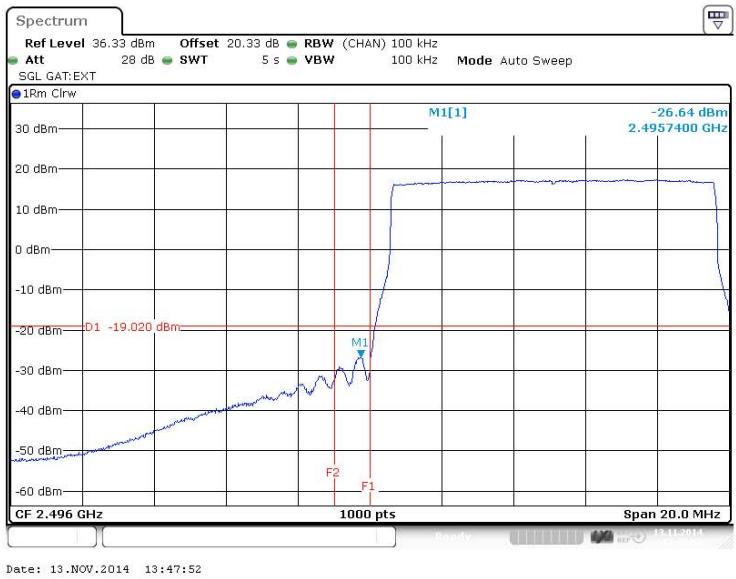


Figure 71 Spurious Emissions (Lower Band Edge) – QPSK (2501.1 MHz)
(10MHz Channel BW)

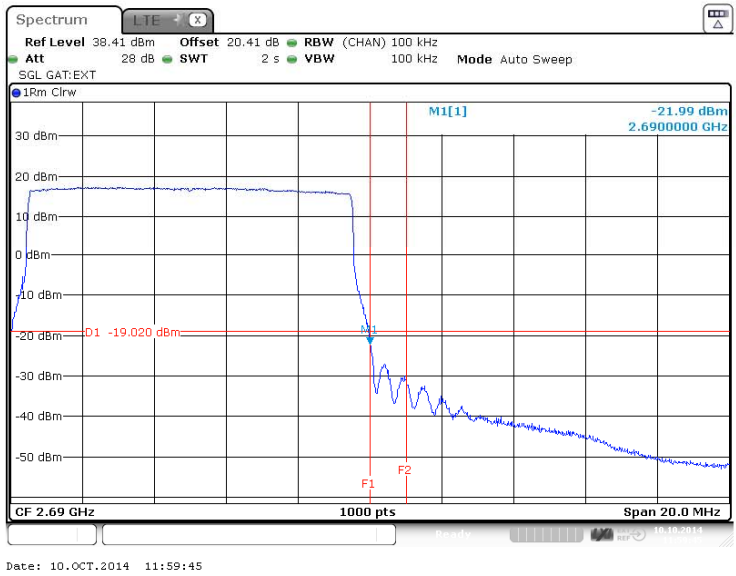


Figure 72 Spurious Emissions (Upper Band Edge) – QPSK (2685.0 MHz)
(10MHz Channel BW)



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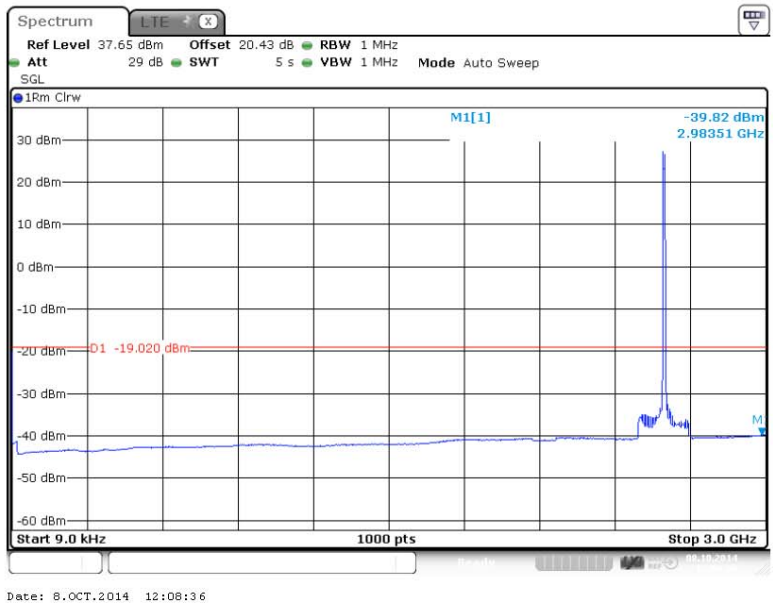


Figure 73 Spurious Emissions (9kHz – 3GHz) - QPSK (2593.0 MHz) (10MHz Channel BW)

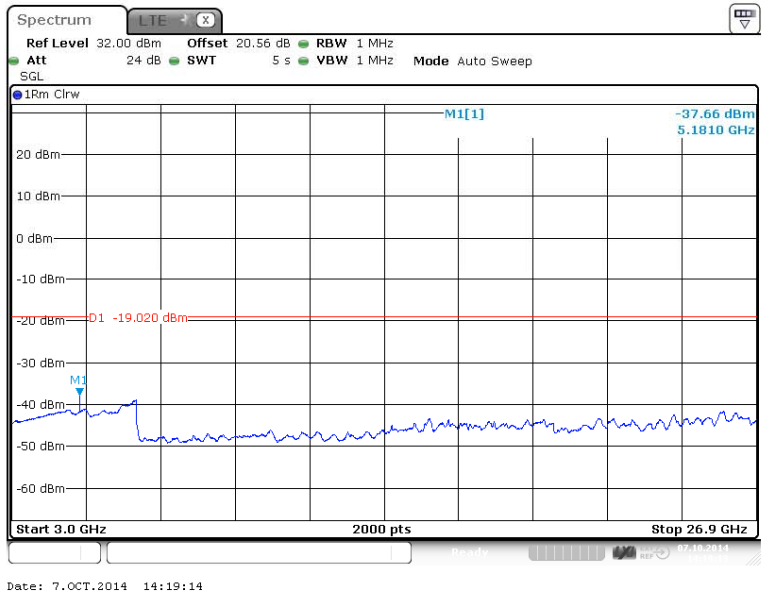


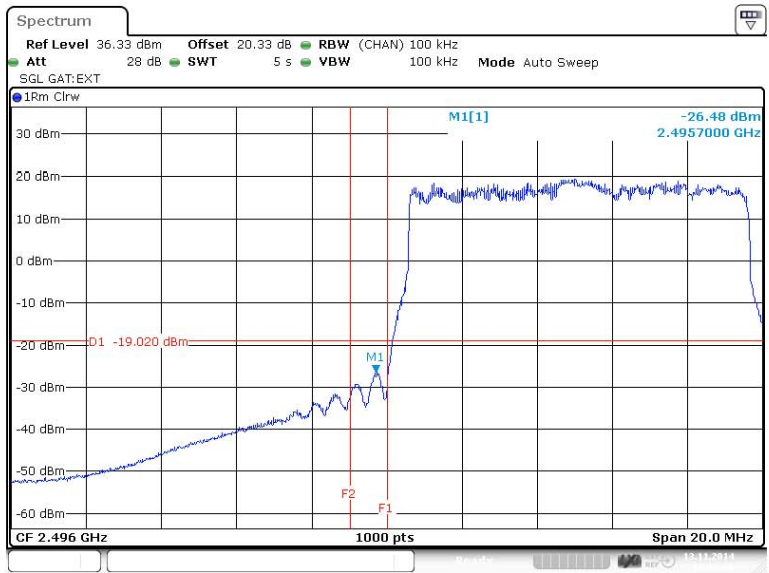
Figure 74 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (10MHz Channel BW)



Product Service

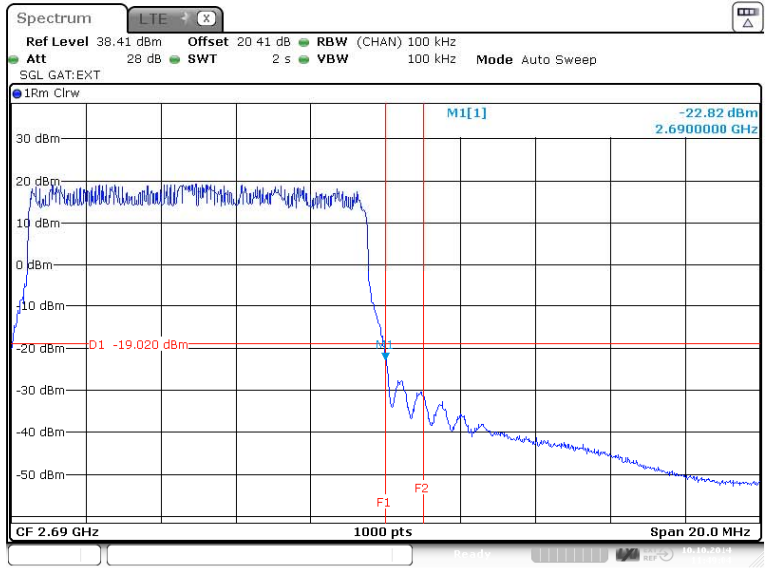
FCC ID:
VBNFWHD-01

Test Report No:
D522886124



Date: 13.NOV.2014 13:32:08

**Figure 75 Spurious Emissions (Lower Band Edge) – 16QAM (2501.1 MHz)
(10MHz Channel BW)**



Date: 10.OCT.2014 11:49:04

**Figure 76 Spurious Emissions (Upper Band Edge) – 16QAM (2685.0 MHz)
(10MHz Channel BW)**



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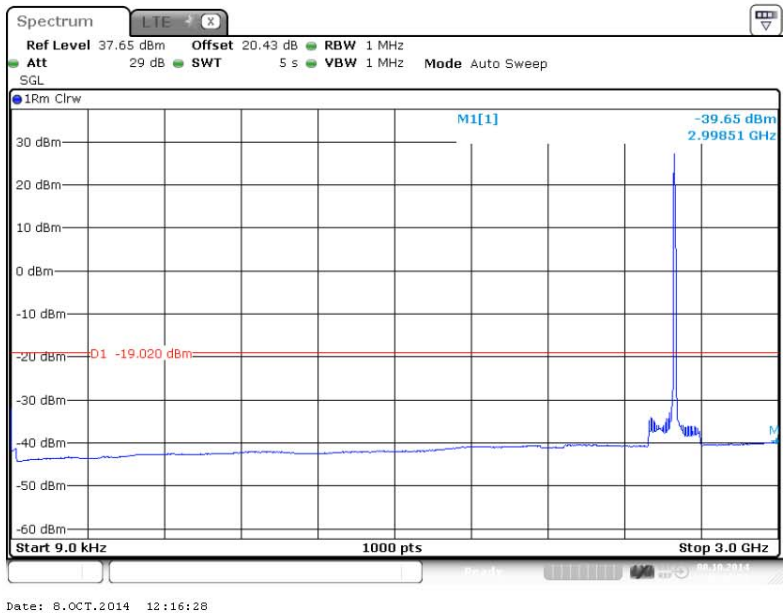


Figure 77 Spurious Emissions (9kHz – 3GHz) – 16QAM (2593.0 MHz) (10MHz Channel BW)

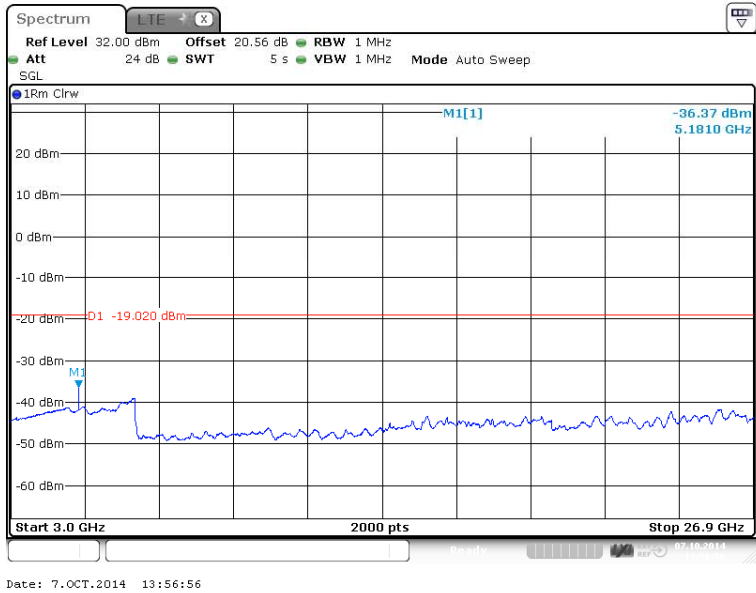


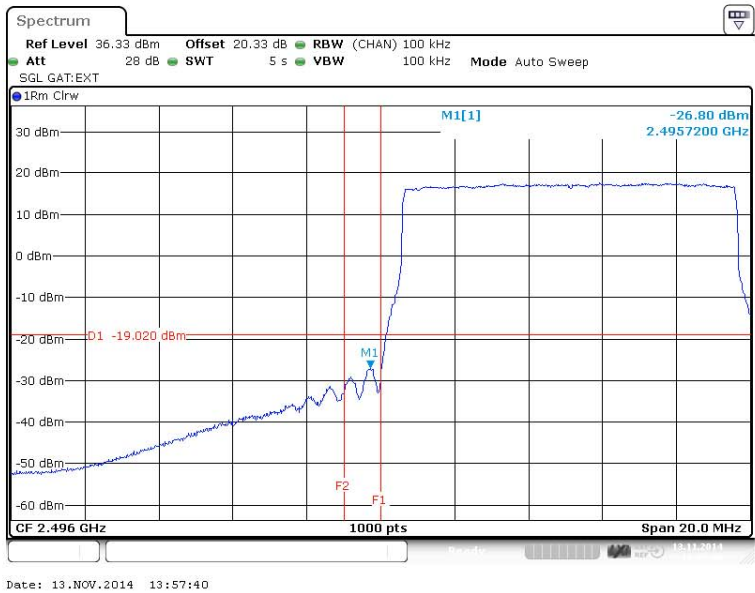
Figure 78 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz) (10MHz Channel BW)



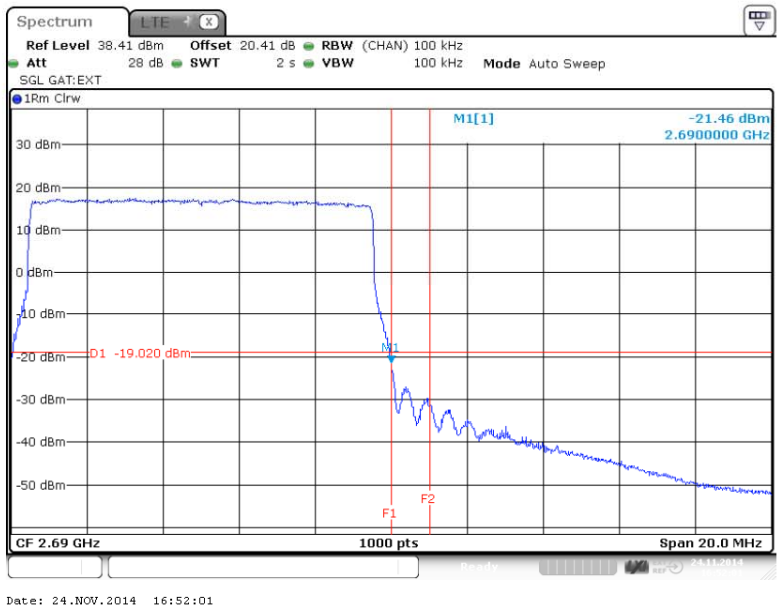
Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124



**Figure 79 Spurious Emissions (Lower Band Edge) – 64QAM (2501.1 MHz)
(10MHz Channel BW)**



**Figure 80 Spurious Emissions (Upper Band Edge) – 64QAM (2685.0 MHz)
(10MHz Channel BW)**



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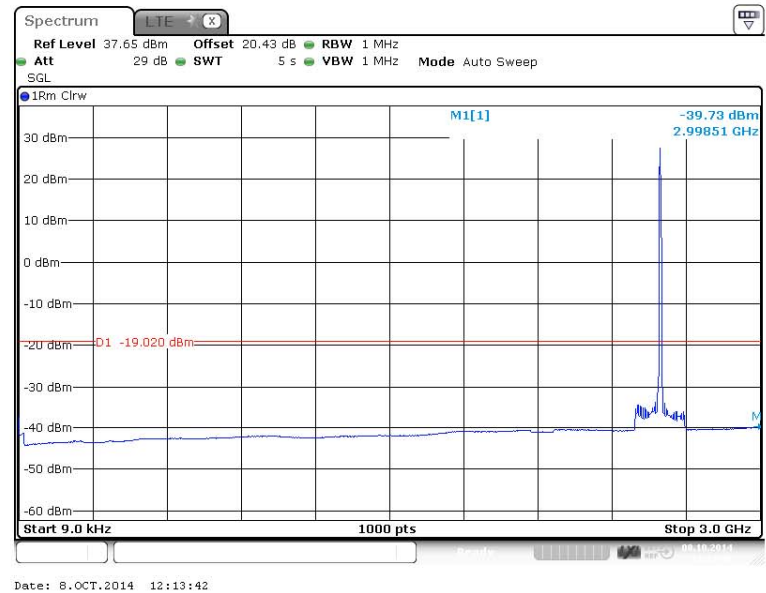


Figure 81 Spurious Emissions (9kHz – 3GHz) – 64QAM (2593.0 MHz) (10MHz Channel BW)

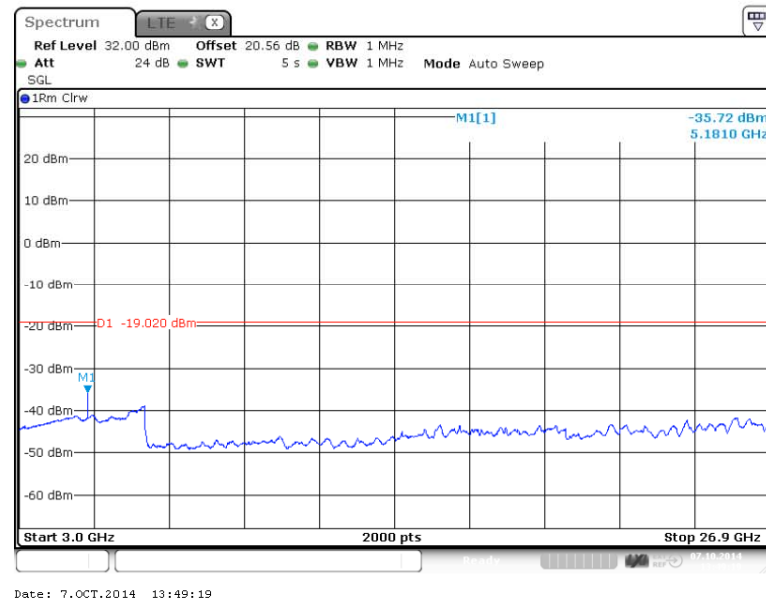


Figure 82 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz) (10MHz Channel BW)



Product Service

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Config A ANT2/Div:

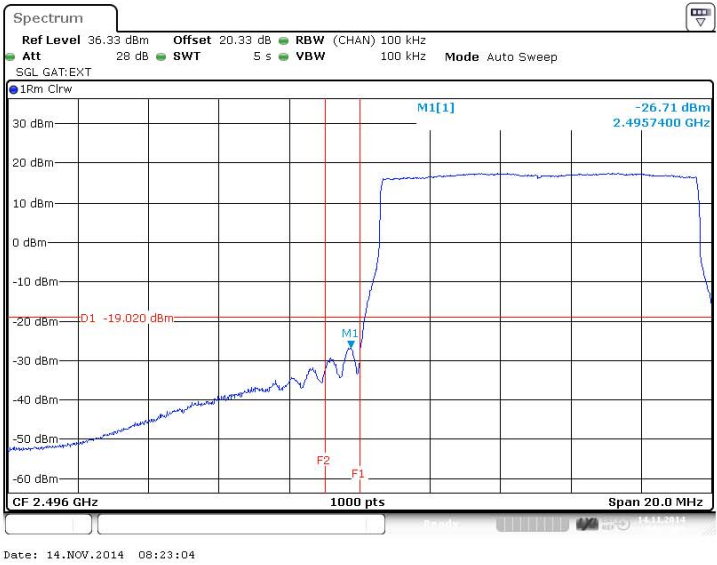


Figure 83 Spurious Emissions (Lower Band Edge) – QPSK (2501.1 MHz)
(10MHz Channel BW)

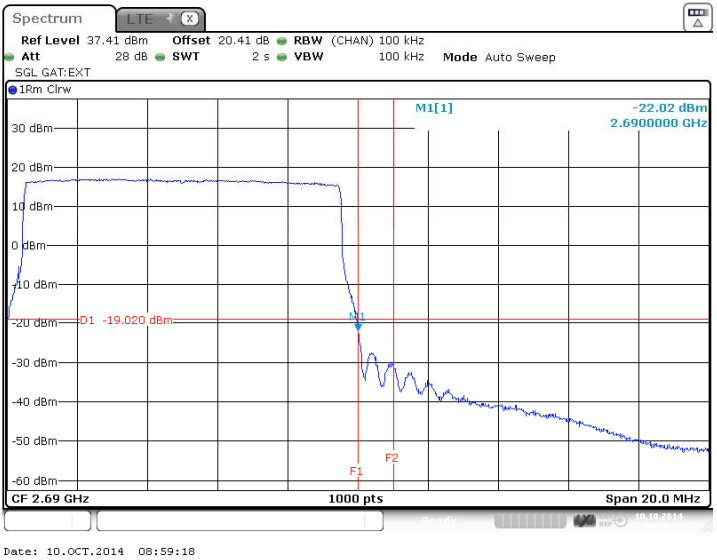


Figure 84 Spurious Emissions (Upper Band Edge) – QPSK (2685.0 MHz)
(10MHz Channel BW)



Product Service

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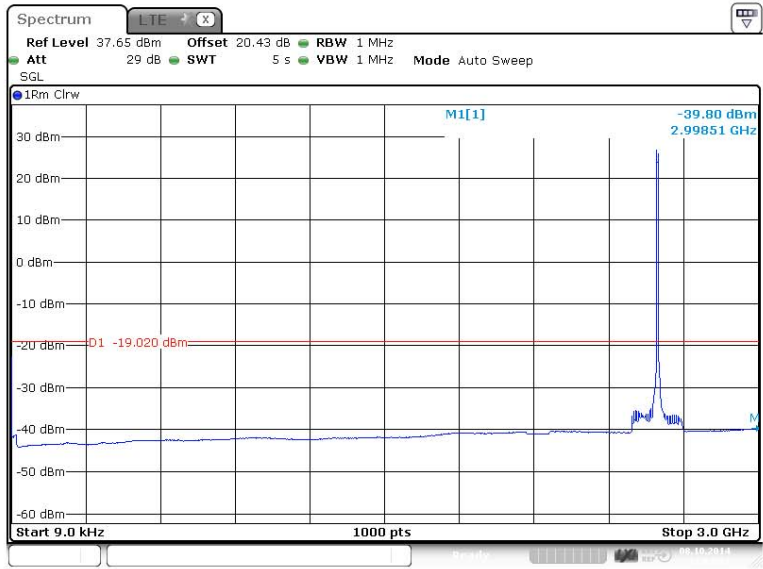


Figure 85 Spurious Emissions (9kHz – 3GHz) - QPSK (2593.0 MHz) (10MHz Channel BW)

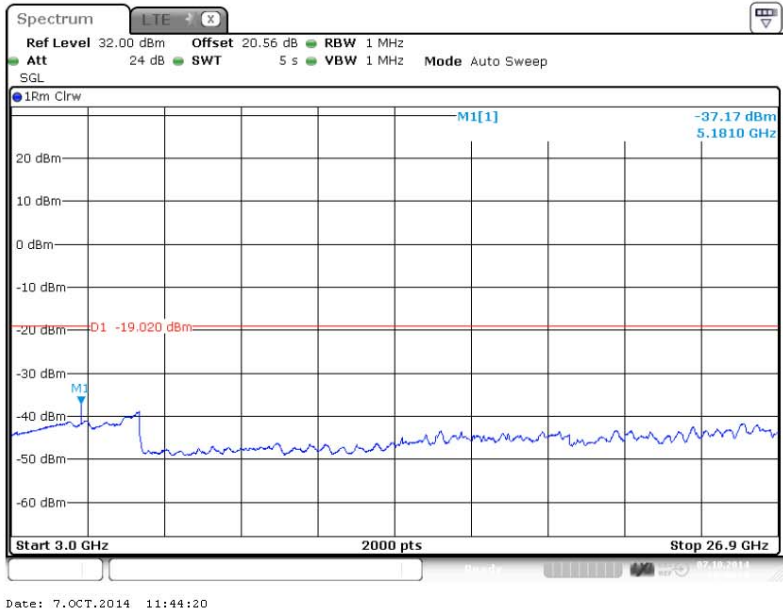


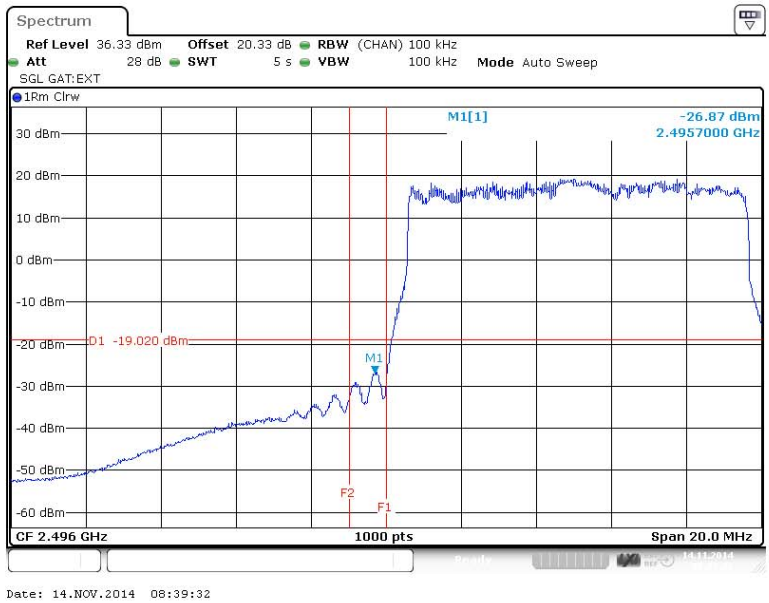
Figure 86 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (10MHz Channel BW)



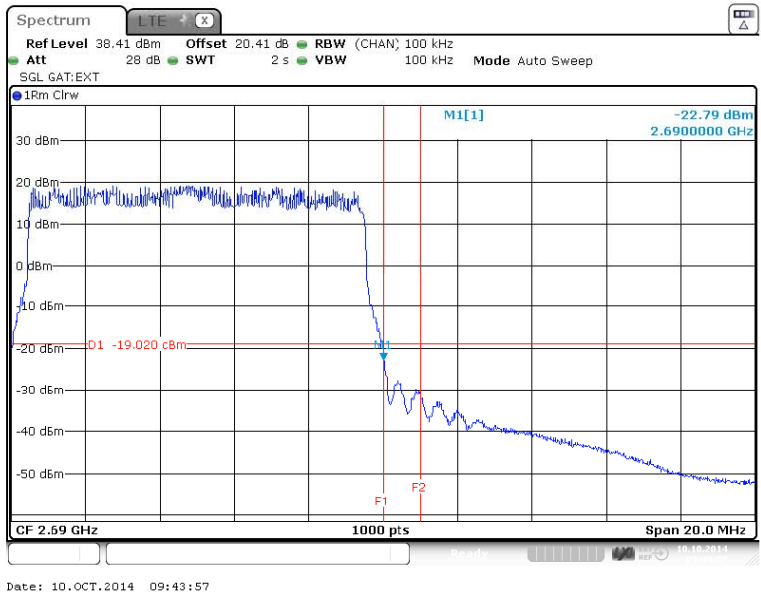
Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124



**Figure 87 Spurious Emissions (Lower Band Edge) – 16QAM (2501.1 MHz)
(10MHz Channel BW)**



**Figure 88 Spurious Emissions (Upper Band Edge) – 16QAM (2685.0 MHz)
(10MHz Channel BW)**



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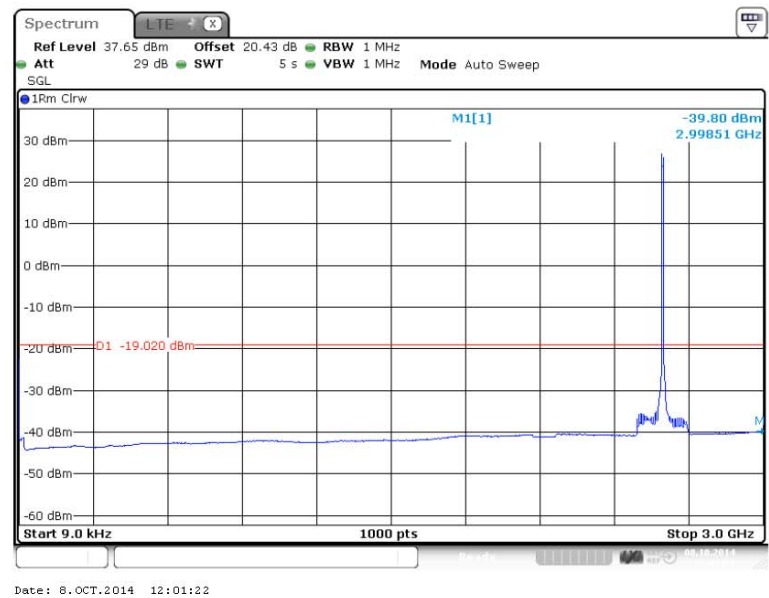


Figure 89 Spurious Emissions (9kHz – 3GHz) – 16QAM (2593.0 MHz) (10MHz Channel BW)

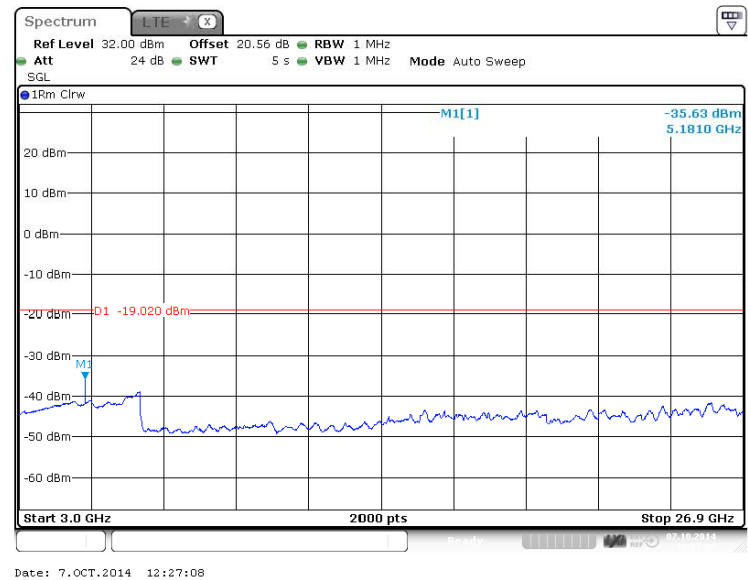


Figure 90 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz) (10MHz Channel BW)



Product Service

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D522886124

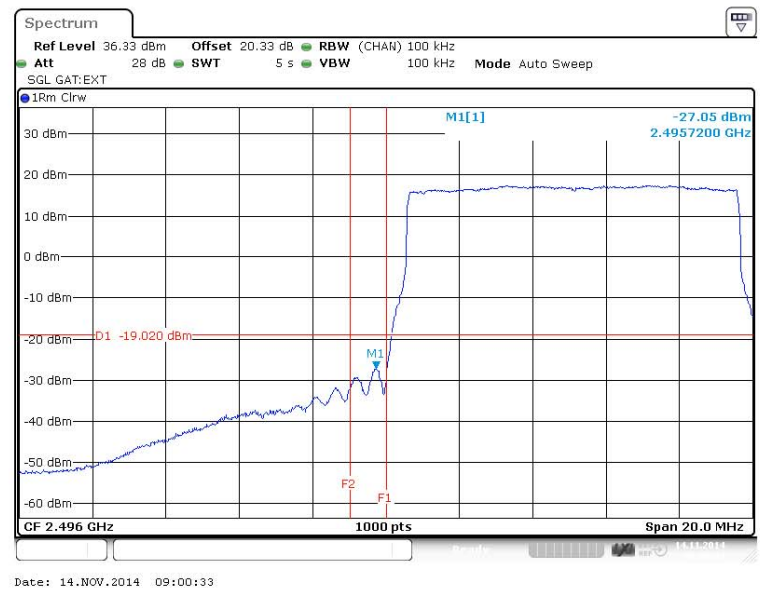


Figure 91 Spurious Emissions (Lower Band Edge) – 64QAM (2501.1 MHz)
(10MHz Channel BW)

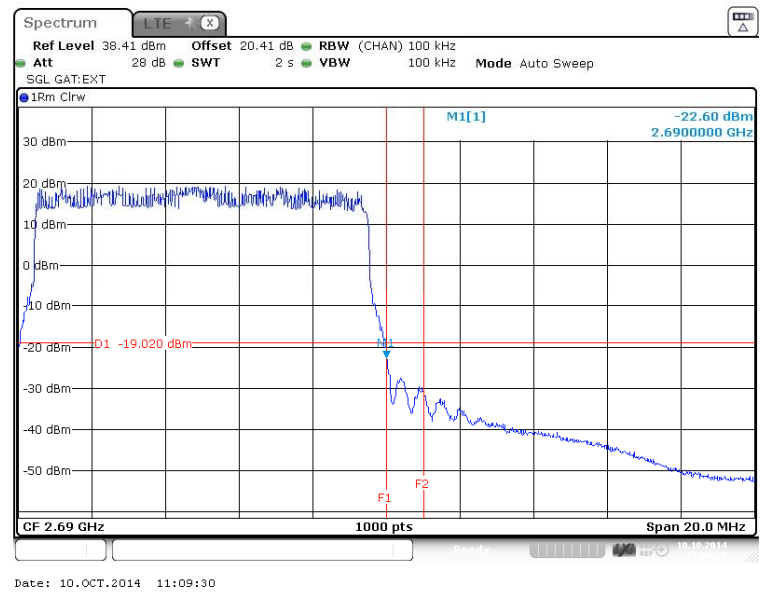


Figure 92 Spurious Emissions (Upper Band Edge) – 64QAM (2685.0 MHz)
(10MHz Channel BW)



Product Service

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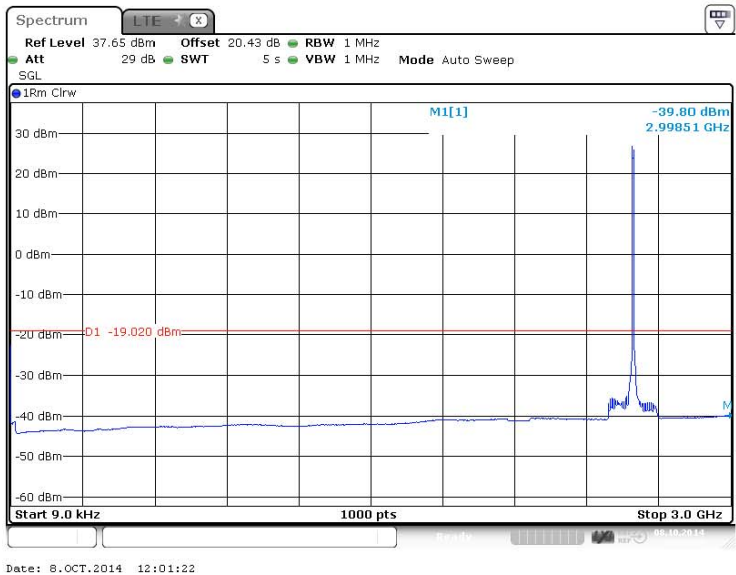


Figure 93 Spurious Emissions (9kHz – 3GHz) – 64QAM (2593.0 MHz) (10MHz Channel BW)

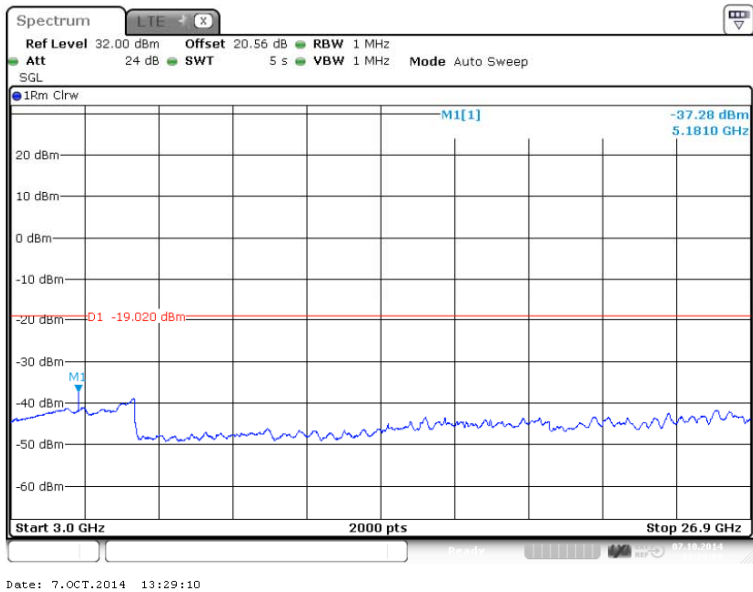


Figure 94 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz) (10MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

Config B ANT2/Main:

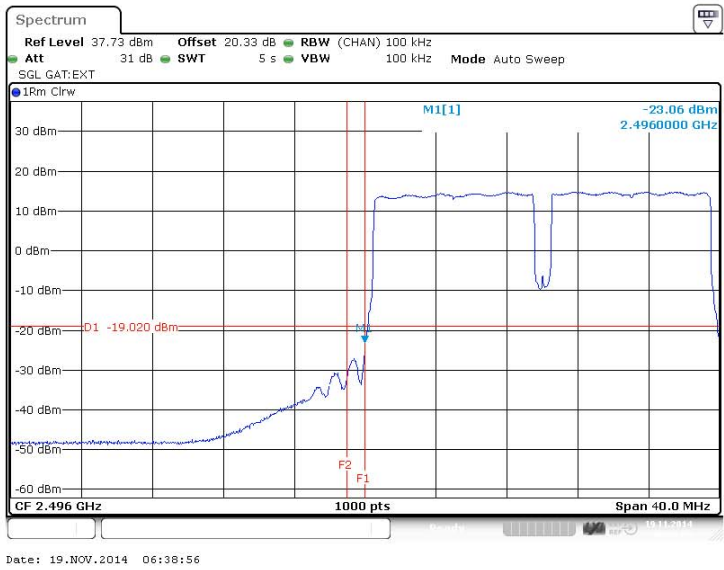


Figure 95 Spurious Emissions (Lower Band Edge) – QPSK (2501.0/2511.0 MHz) (10MHz Channel BW)

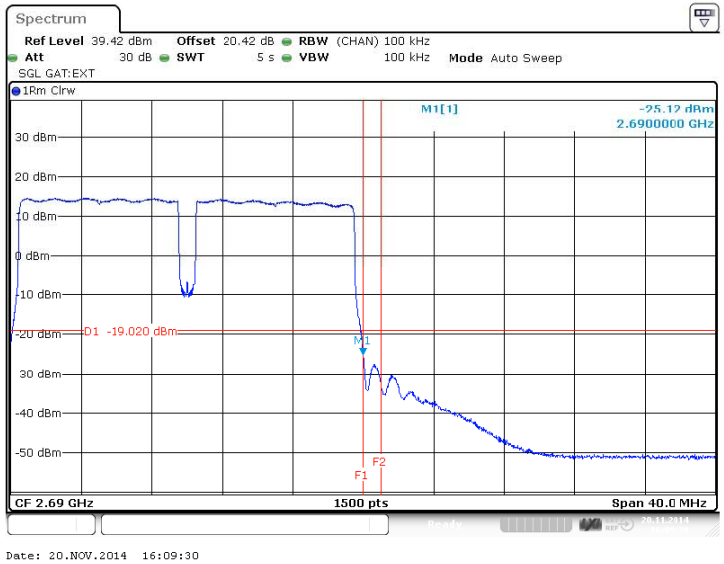


Figure 96 Spurious Emissions (Upper Band Edge) – QPSK (2660.0/2680.0 MHz) (10MHz Channel BW)



Product Service

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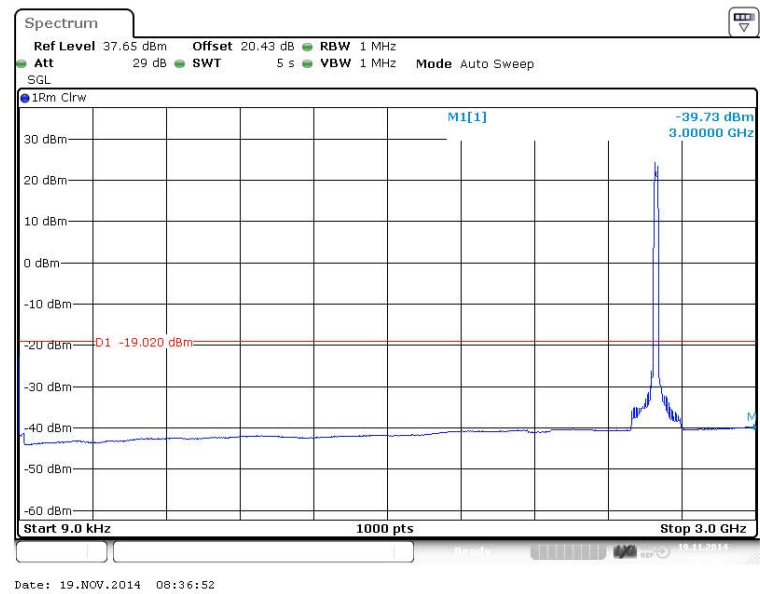


Figure 97 Spurious Emissions (9kHz – 3GHz) - QPSK (2583.0/2603.0 MHz) (10MHz Channel BW)

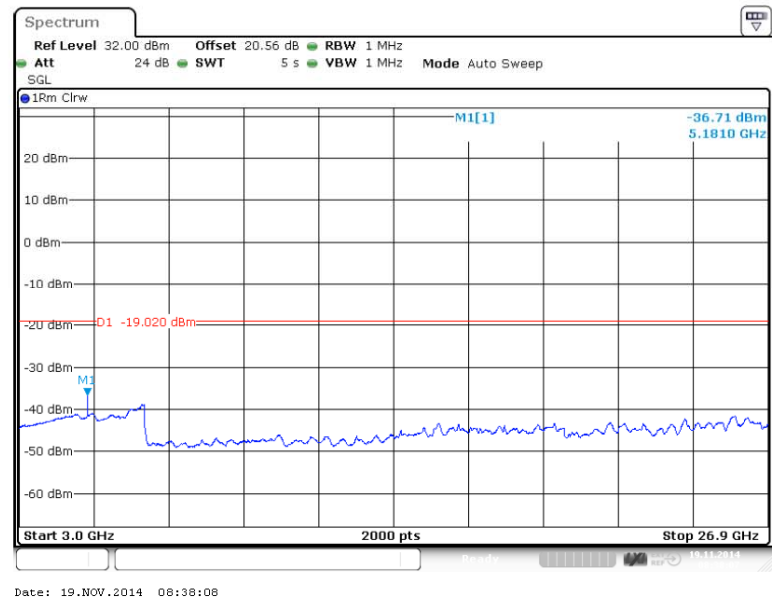


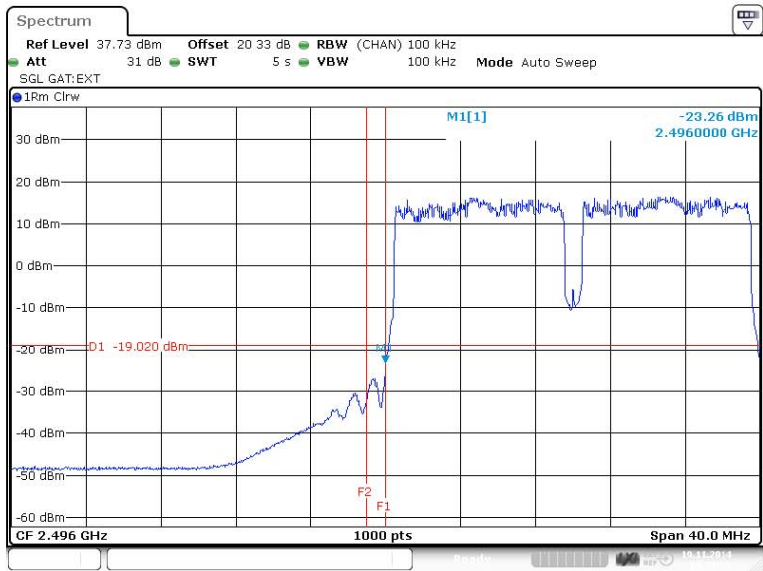
Figure 98 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2583.0/2603.0 MHz) (10MHz Channel BW)



Product Service

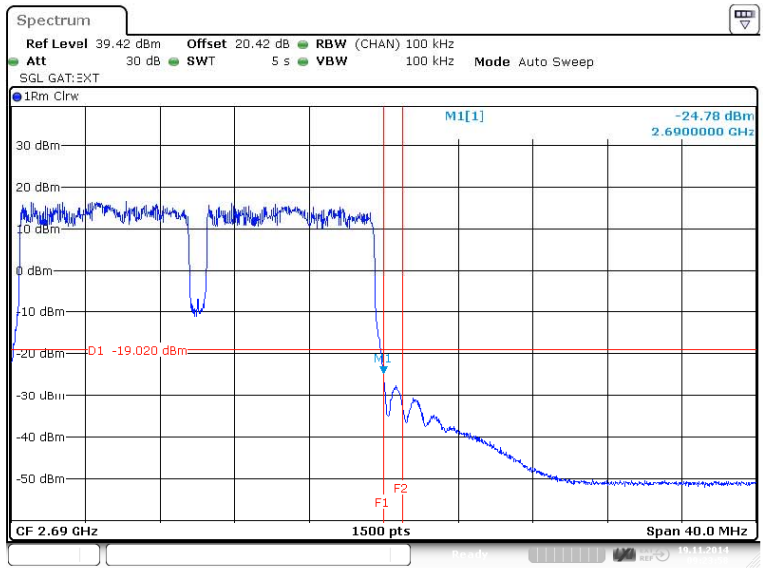
FCC ID:
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Date: 19.NOV.2014 06:50:13

Figure 99 Spurious Emissions (Lower Band Edge) – 16QAM (2501.0/2511.0 MHz) (10MHz Channel BW)



Date: 19.NOV.2014 09:23:58

Figure 100 Spurious Emissions (Upper Band Edge) – 16QAM (2675.0/2685.0 MHz) (10MHz Channel BW)



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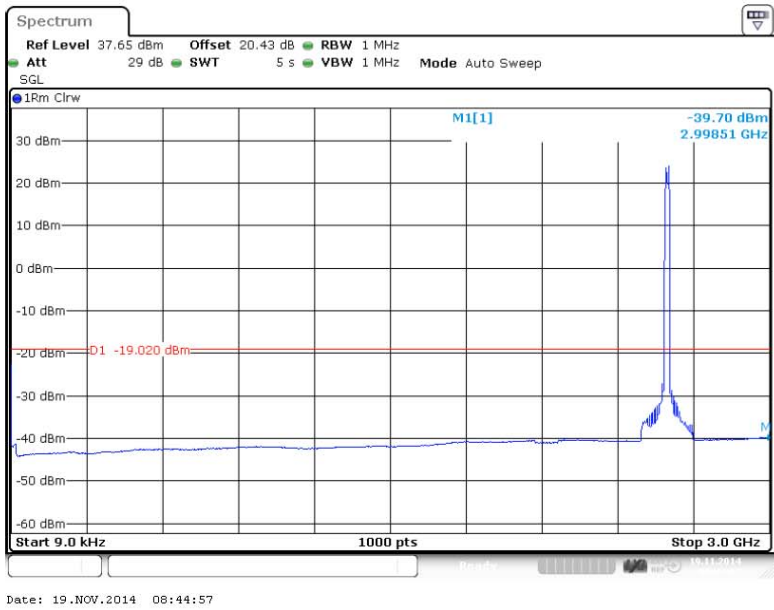


Figure 101 Spurious Emissions (9kHz – 3GHz) – 16QAM (2583.0/2603.0 MHz) (10MHz Channel BW)

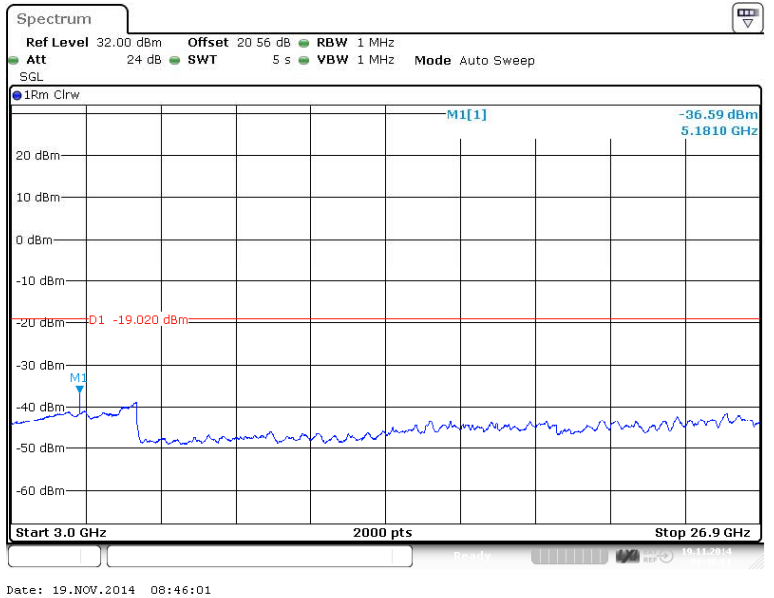


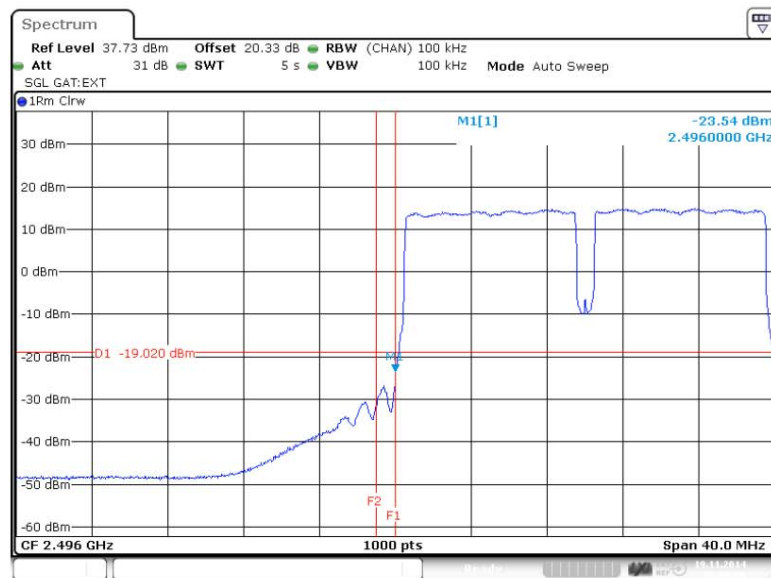
Figure 102 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2583.0/2603.0 MHz) (10MHz Channel BW)



Product Service

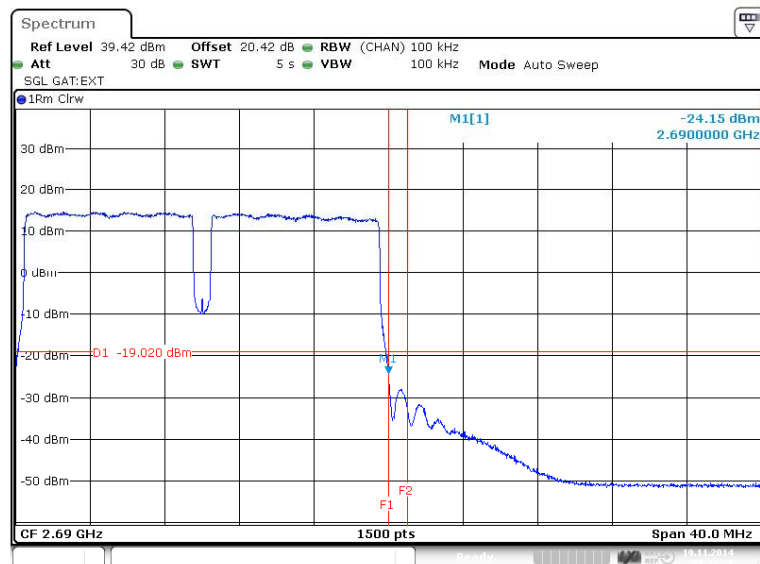
FCC ID:
VBNFWHD-01

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Date: 19.NOV.2014 07:00:06

Figure 103 Spurious Emissions (Lower Band Edge) – 64QAM (2501.0/2511.0 MHz) (10MHz Channel BW)



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Figure 104 Spurious Emissions (Upper Band Edge) – 64QAM (2675.0/2685.0 MHz) (10MHz Channel BW)

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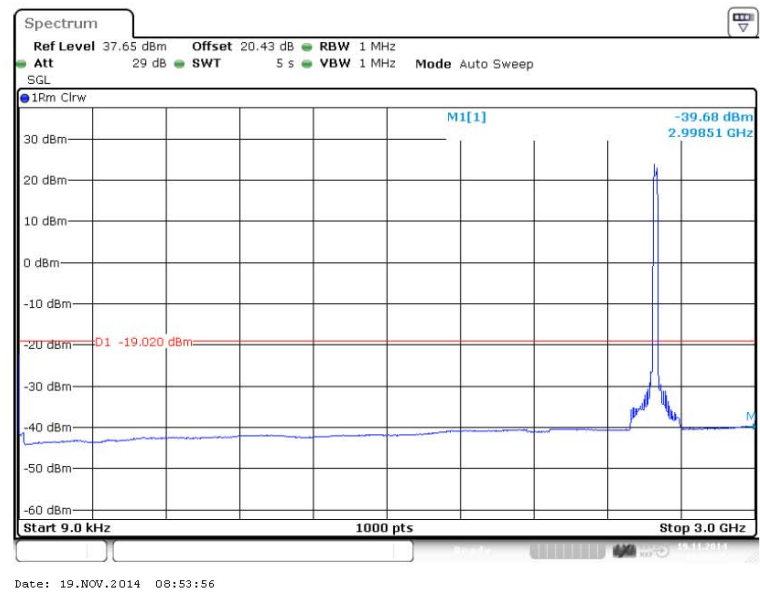


Figure 105 Spurious Emissions (9kHz – 3GHz) – 64QAM (2583.0/2603.0 MHz) (10MHz Channel BW)

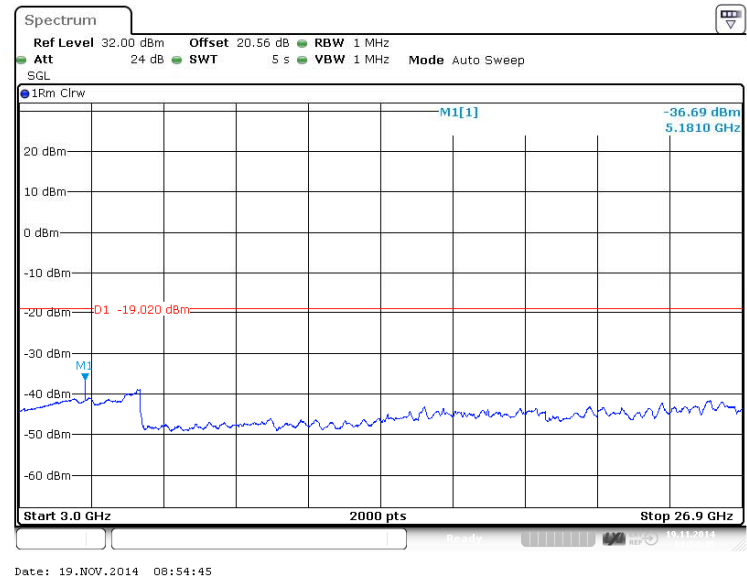


Figure 106 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2583.0/2603.0 MHz) (10MHz Channel BW)

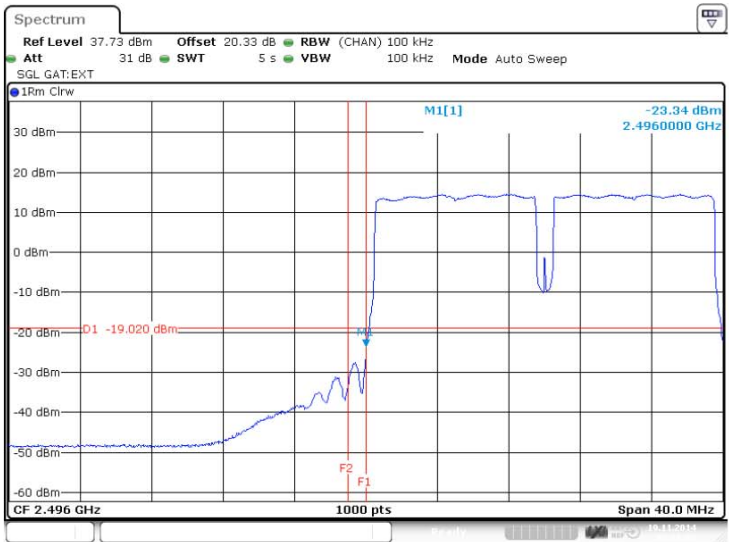


Product Service

FCC ID:
VBNFWHD-01

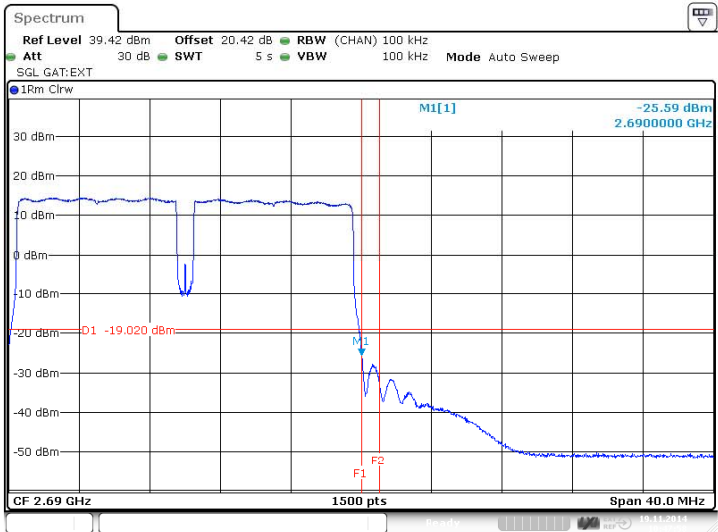
Test Report No:
D522886124

Config B ANT2/Div:



Date: 19.NOV.2014 07:11:36

Figure 107 Spurious Emissions (Lower Band Edge) – QPSK (2501.0/2511.0 MHz) (10MHz Channel BW)



Date: 19.NOV.2014 10:47:58

Figure 108 Spurious Emissions (Upper Band Edge) – QPSK (2675.0/2685.0 MHz) (10MHz Channel BW)



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FCC ID:
VBNFWHD-01

Test Report No:
D522886124

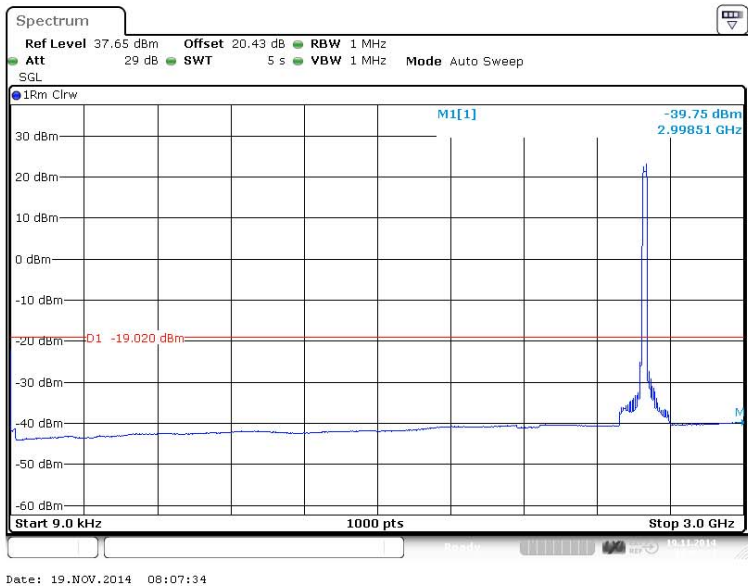


Figure 109 Spurious Emissions (9kHz – 3GHz) - QPSK (2583.0/2603.0 MHz) (10MHz Channel BW)

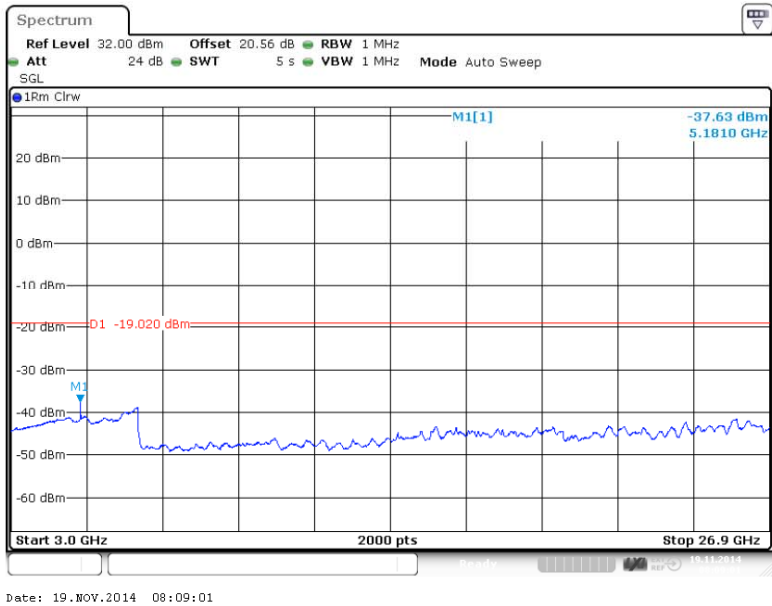


Figure 110 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2583.0/2603.0 MHz) (10MHz Channel BW)



FCC ID:
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Test Report No:
D522886124

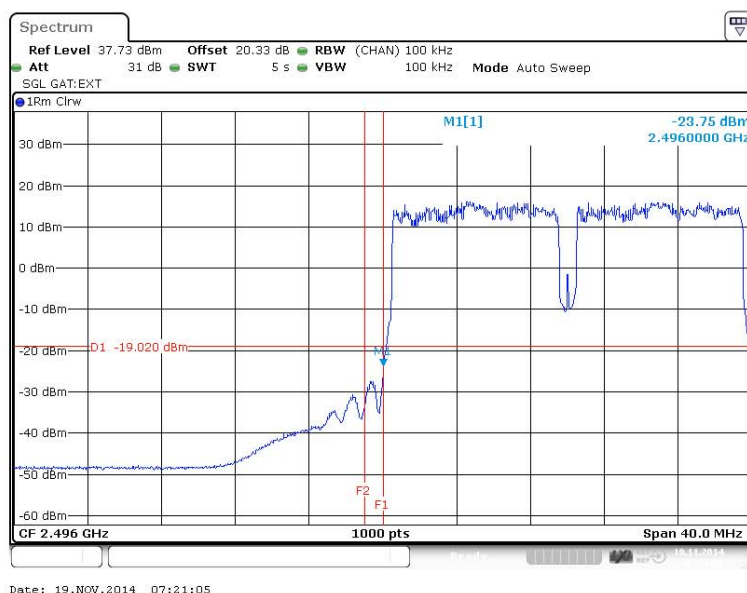


Figure 111 Spurious Emissions (Lower Band Edge) – 16QAM (2501.0/2511.0 MHz) (10MHz Channel BW)

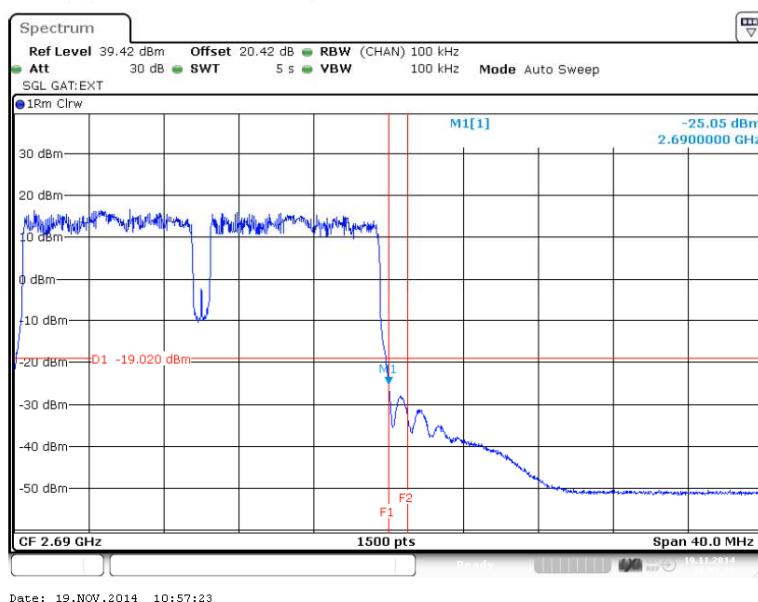


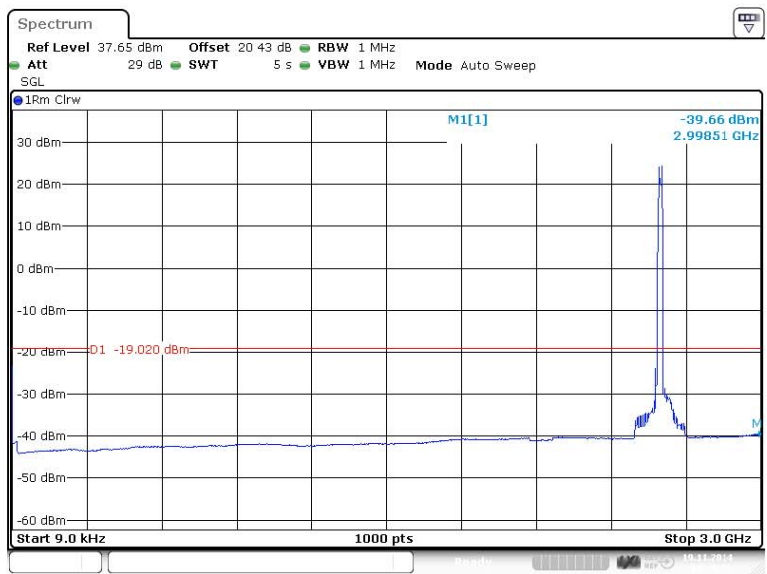
Figure 112 Spurious Emissions (Upper Band Edge) – 16QAM (2675.0/2685.0 MHz) (10MHz Channel BW)



Product Service

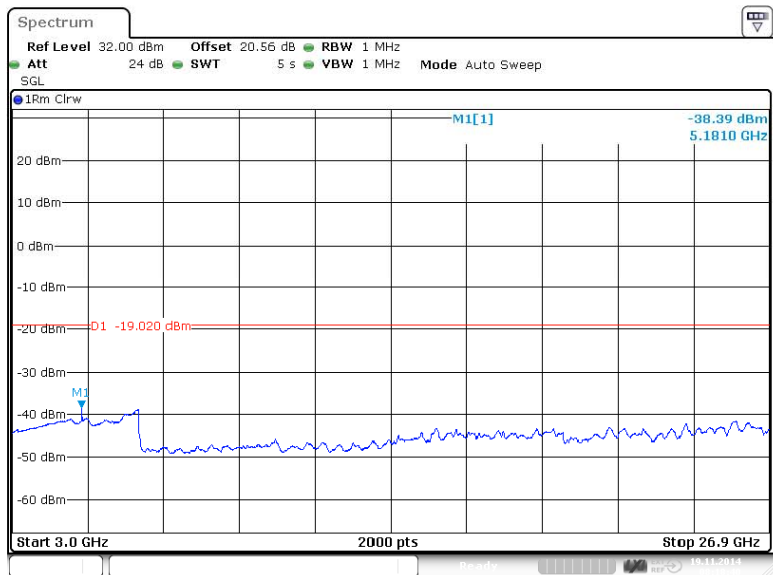
FCC ID:
VBNFWHD-01

Test Report No:
D522886124



Date: 19.NOV.2014 08:16:50

Figure 113 Spurious Emissions (9kHz – 3GHz) – 16QAM (2583.0/2603.0 MHz) (10MHz Channel BW)



Date: 19.NOV.2014 08:18:40

Figure 114 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2583.0/2603.0 MHz) (10MHz Channel BW)



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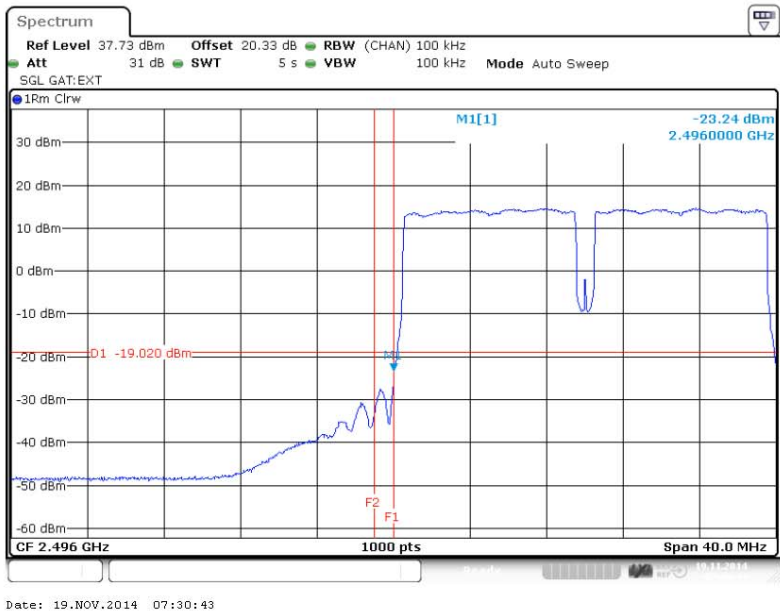


Figure 115 Spurious Emissions (Lower Band Edge) – 64QAM (2501.0/2511.0 MHz) (10MHz Channel BW)

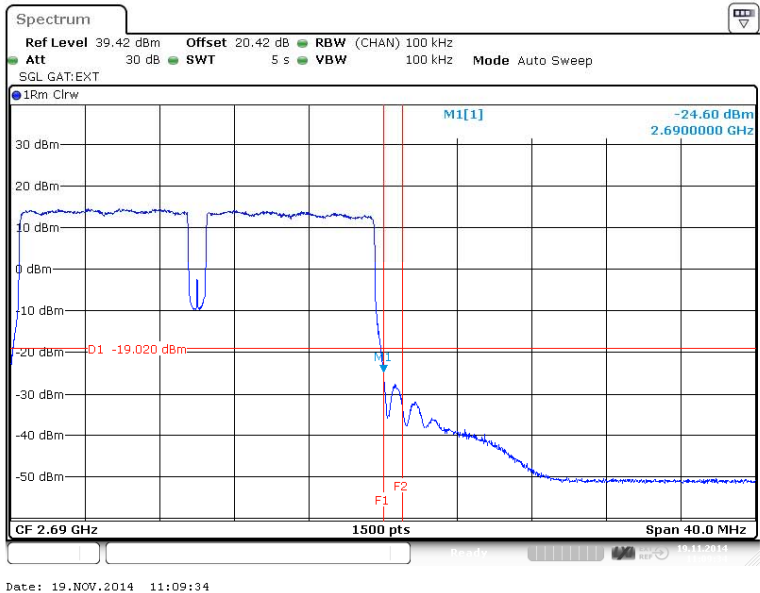


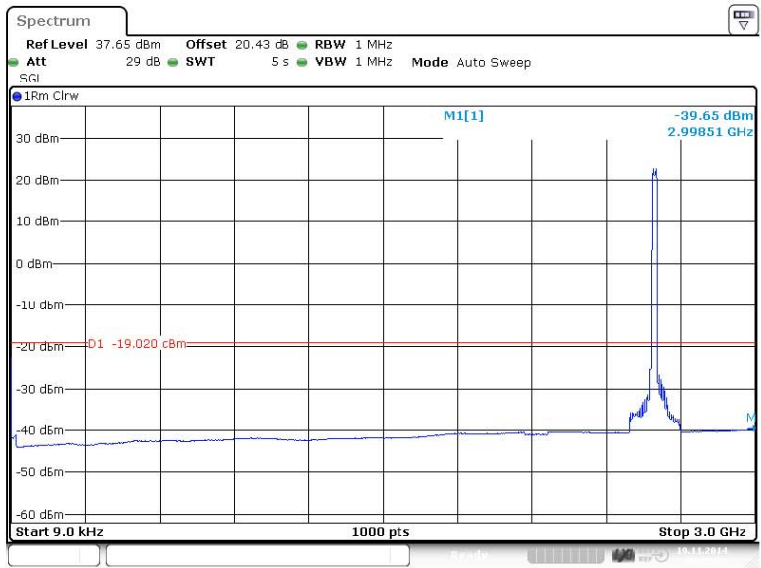
Figure 116 Spurious Emissions (Upper Band Edge) – 64QAM (2675.0/2685.0 MHz) (10MHz Channel BW)



Product Service

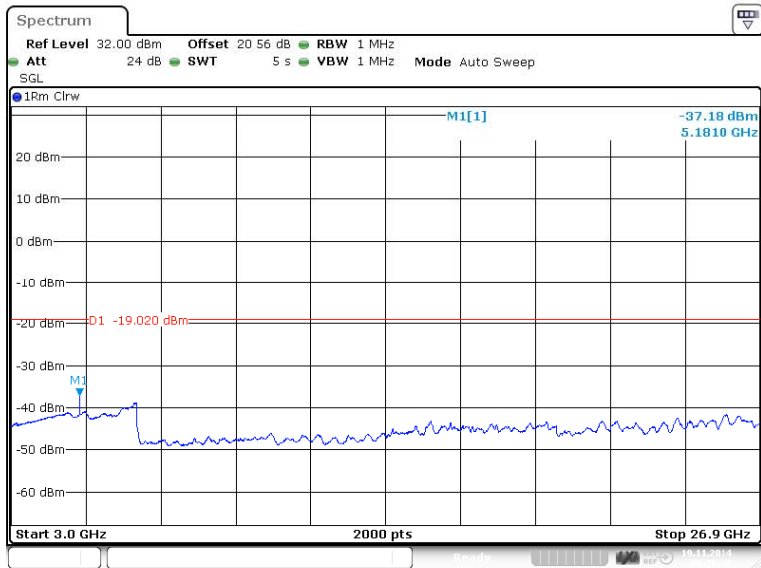
FCC ID:
VBNFWHD-01

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Date: 19.NOV.2014 08:25:23

Figure 117 Spurious Emissions (9kHz – 3GHz) – 64QAM (2583.0/2603.0 MHz) (10MHz Channel BW)



Date: 19.NOV.2014 08:26:09

Figure 118 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2583.0/2603.0 MHz) (10MHz Channel BW)



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Config C ANT1/Main:

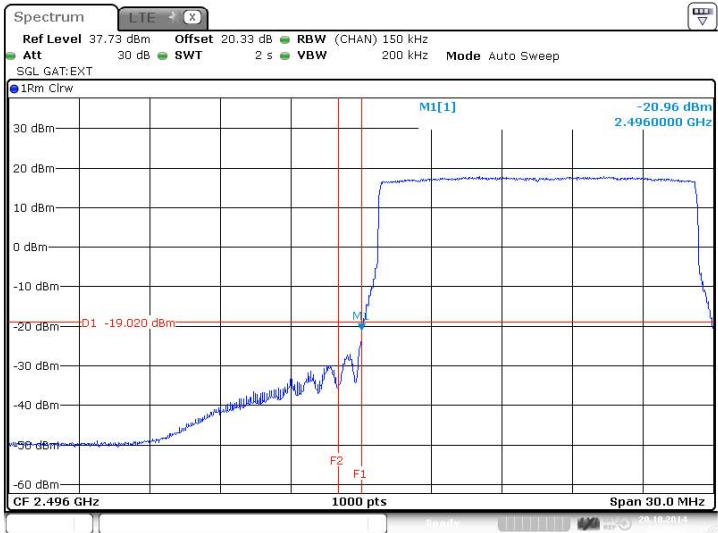


Figure 119 Spurious Emissions (Lower Band Edge) – QPSK (2503.5 MHz)
(15MHz Channel BW)

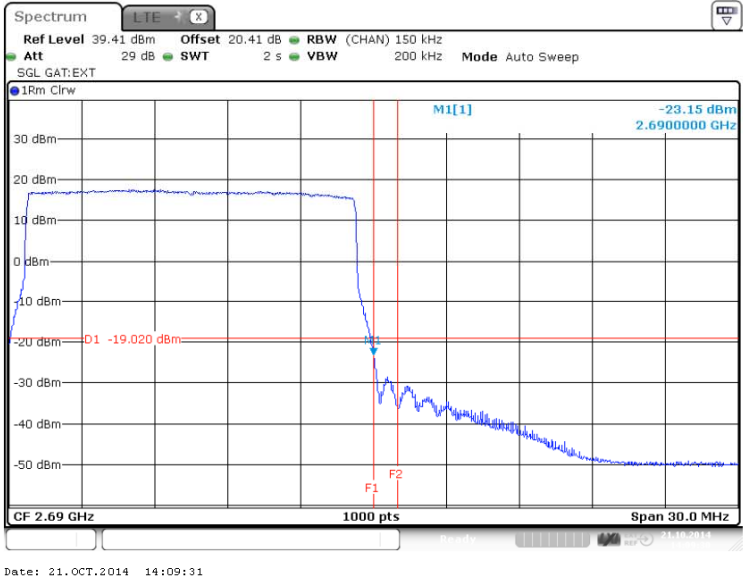


Figure 120 Spurious Emissions (Upper Band Edge) – QPSK (2682.5 MHz)
(15MHz Channel BW)



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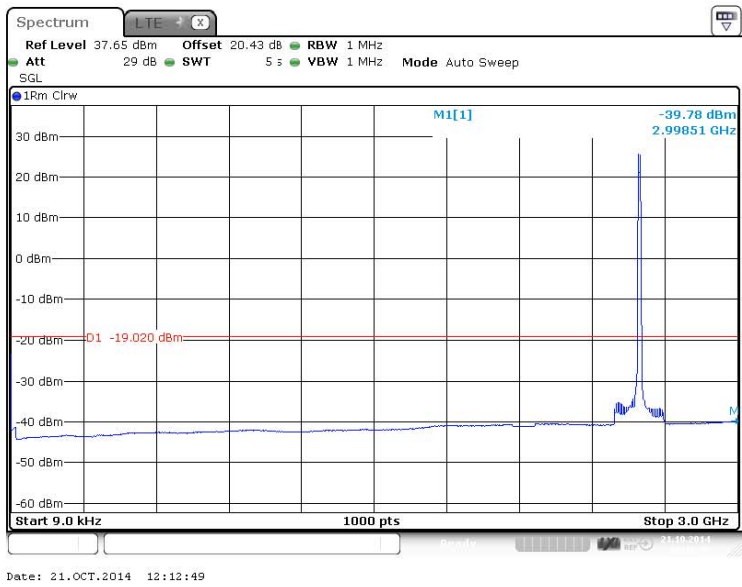


Figure 121 Spurious Emissions (9kHz – 3GHz) - QPSK (2593.0 MHz) (15MHz Channel BW)

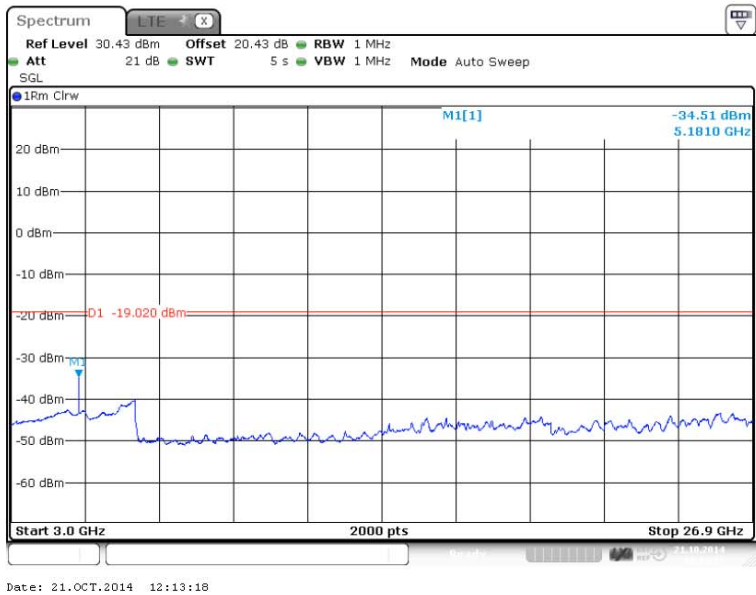


Figure 122 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (15MHz Channel BW)



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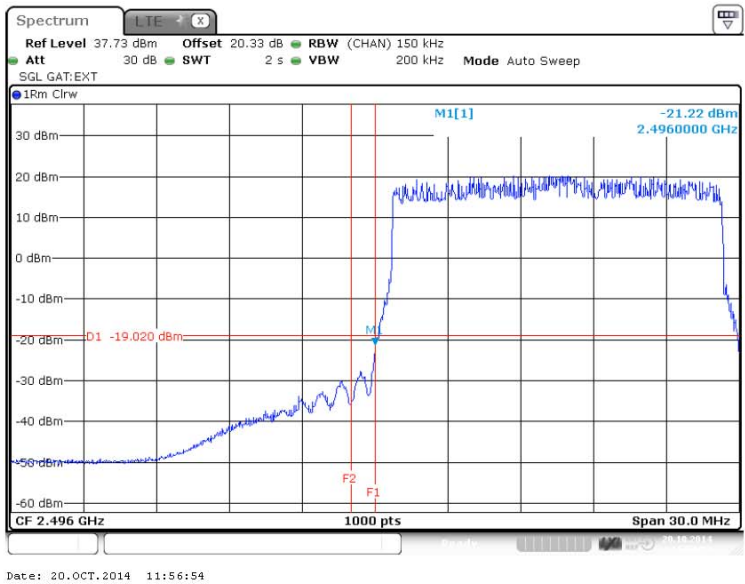


Figure 123 Spurious Emissions (Lower Band Edge) – 16QAM (2503.5 MHz)
(15MHz Channel BW)

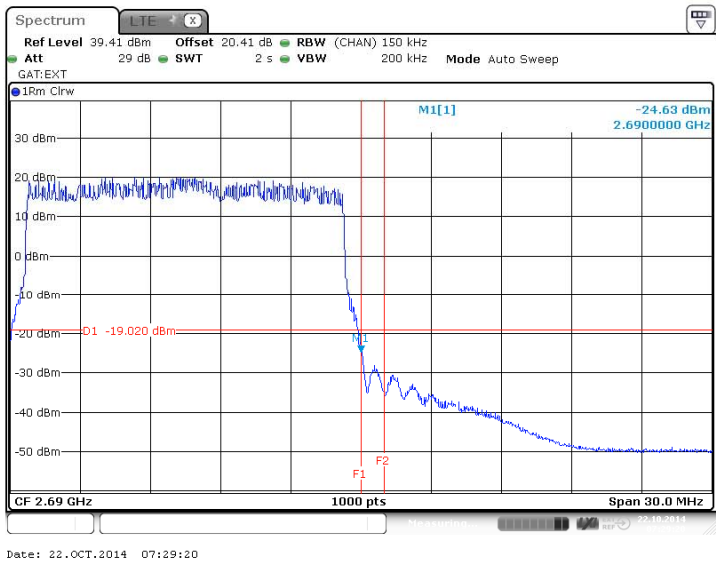


Figure 124 Spurious Emissions (Upper Band Edge) – 16QAM (2682.5 MHz)
(15MHz Channel BW)



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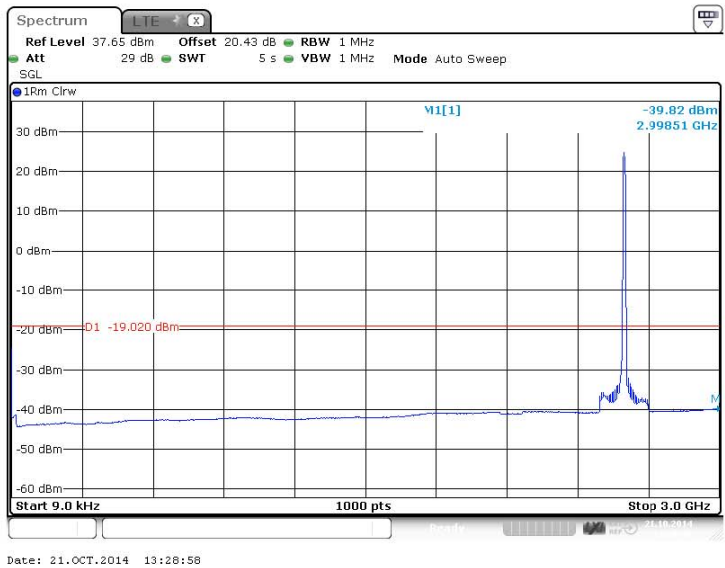


Figure 125 Spurious Emissions (9kHz – 3GHz) – 16QAM (2593.0 MHz)
(15MHz Channel BW)

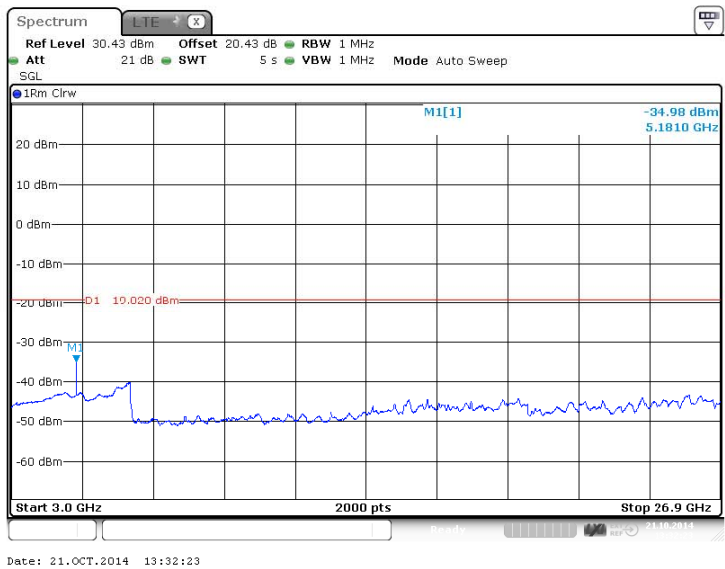


Figure 126 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz)
(15MHz Channel BW)



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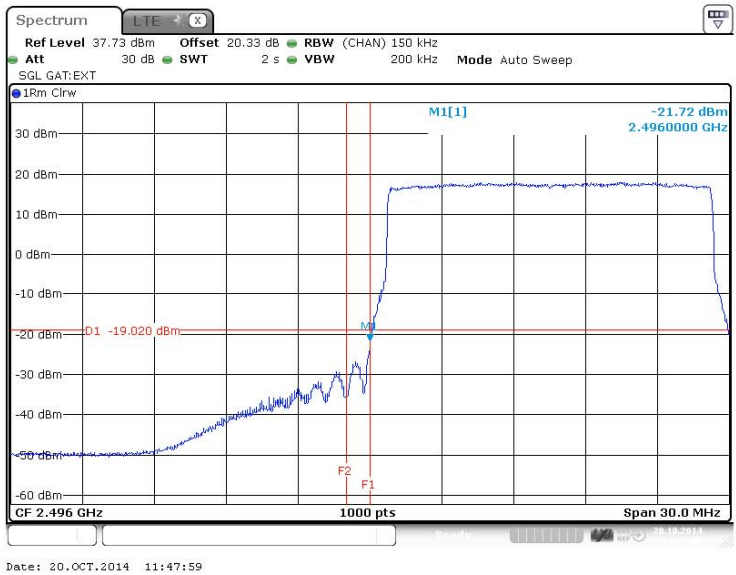


Figure 127 Spurious Emissions (Lower Band Edge) – 64QAM (2503.5 MHz) (15MHz Channel BW)

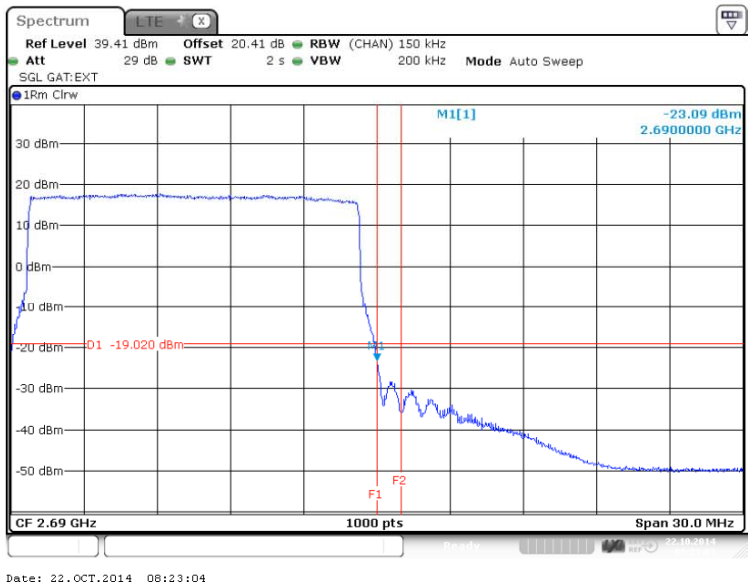


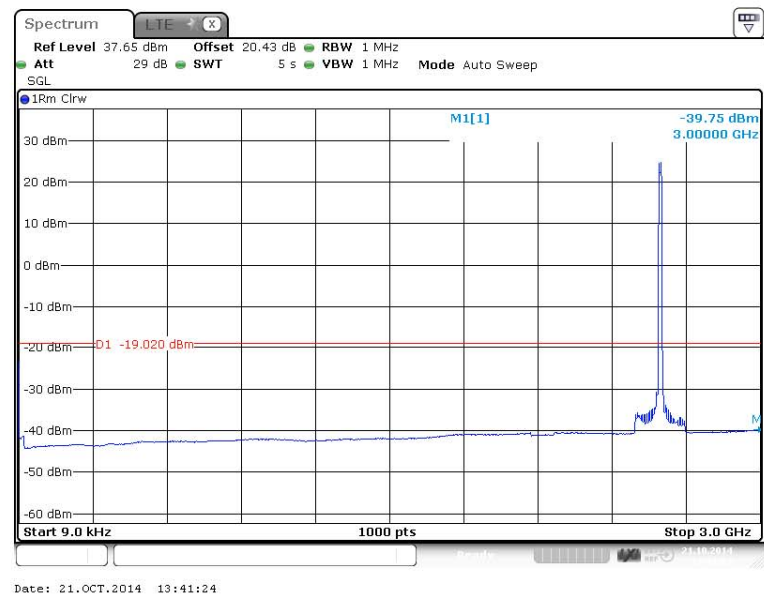
Figure 128 Spurious Emissions (Upper Band Edge) – 64QAM (2682.5 MHz) (15MHz Channel BW)



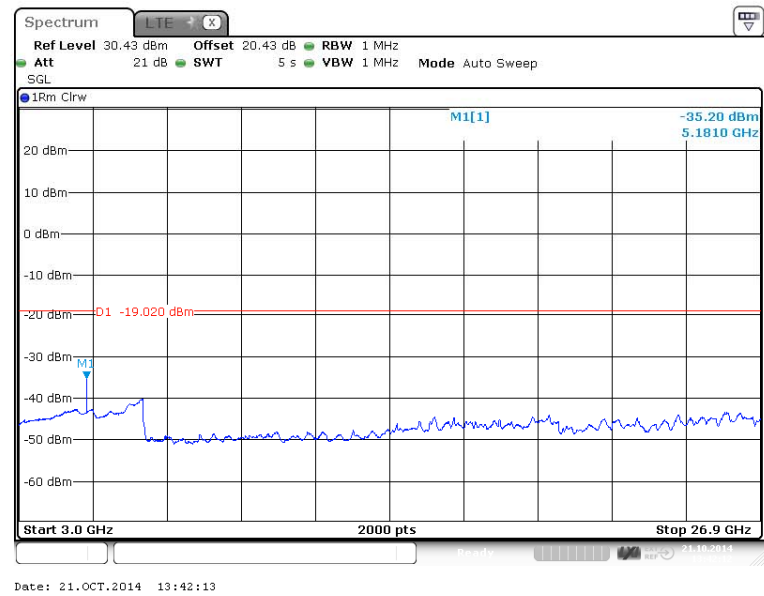
Product Service

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Test Report No:
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**Figure 129 Spurious Emissions (9kHz – 3GHz) – 64QAM (2593.0 MHz)
(15MHz Channel BW)**



**Figure 130 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz)
(15MHz Channel BW)**



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Config C ANT1/Div:

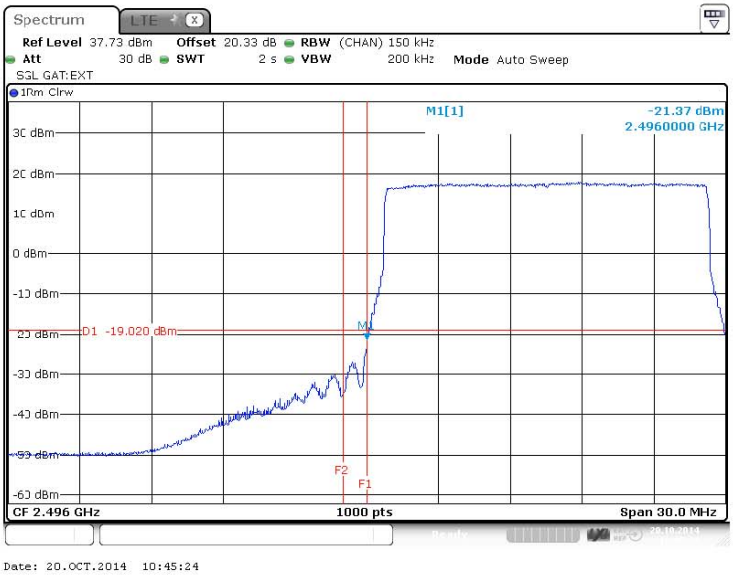
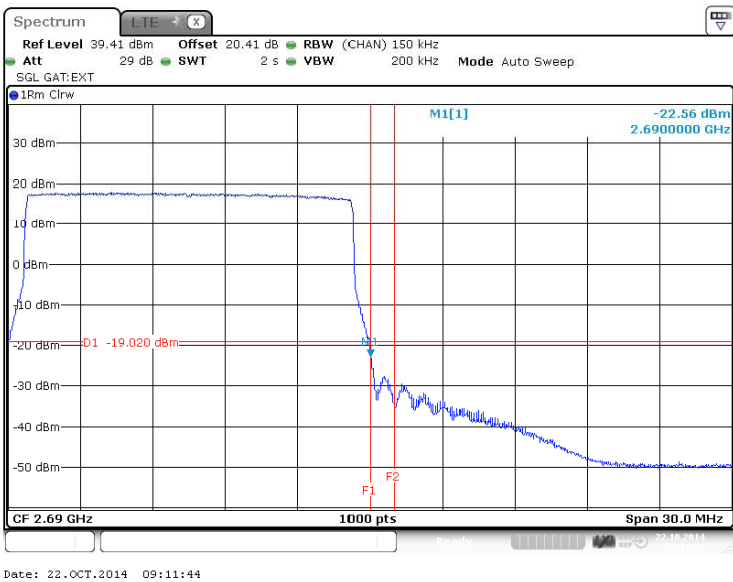


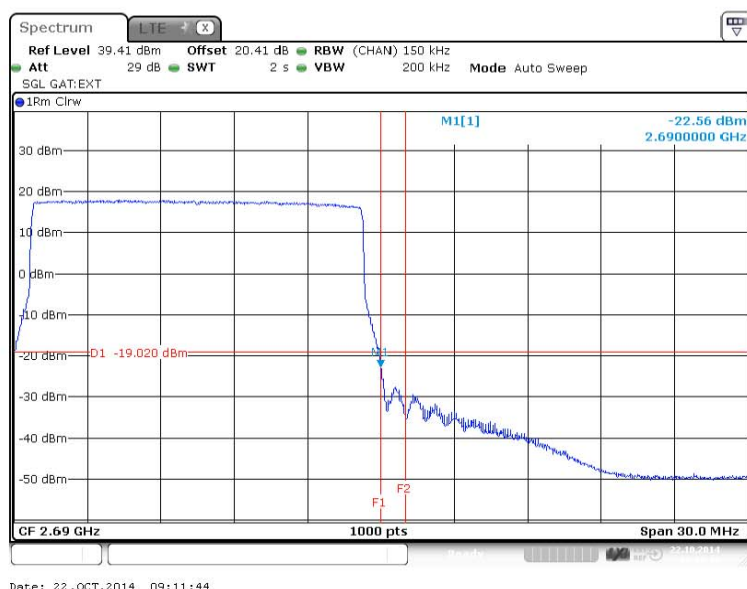
Figure 131 Spurious Emissions (Lower Band Edge) – QPSK (2503.5 MHz)
(15MHz Channel BW)





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**Figure 132 Spurious Emissions (Upper Band Edge) – QPSK (2682.5 MHz)
(15MHz Channel BW)**

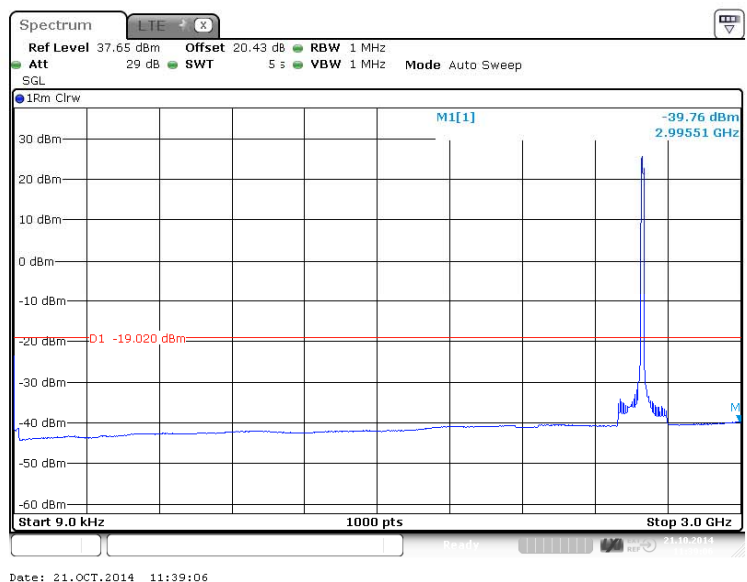


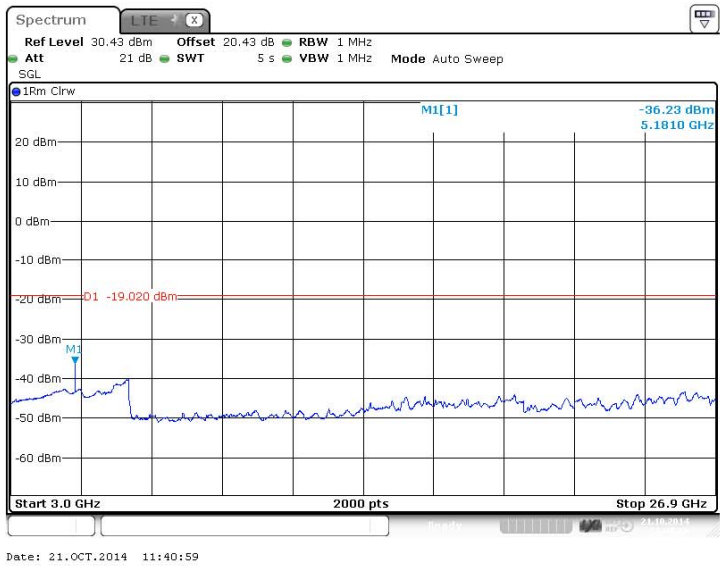
Figure 133 Spurious Emissions (9kHz – 3GHz) - QPSK (2593.0 MHz) (15MHz Channel BW)



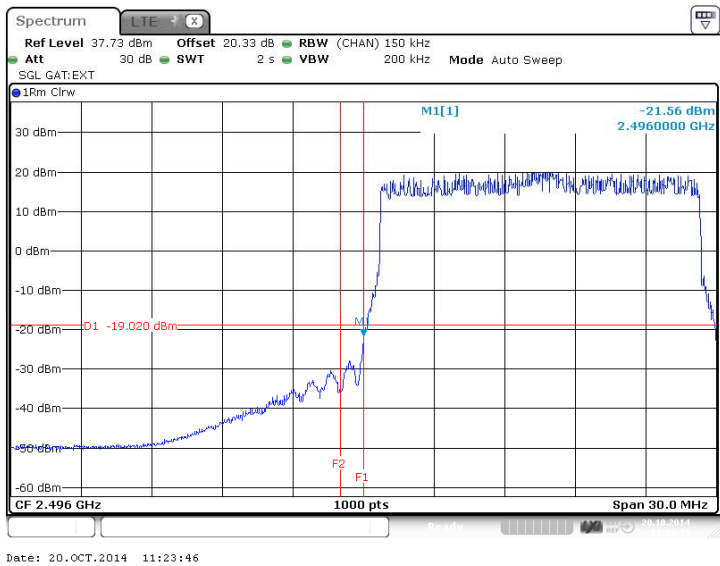
Product Service

FCC ID:
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Test Report No:
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**Figure 134 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz)
(15MHz Channel BW)**



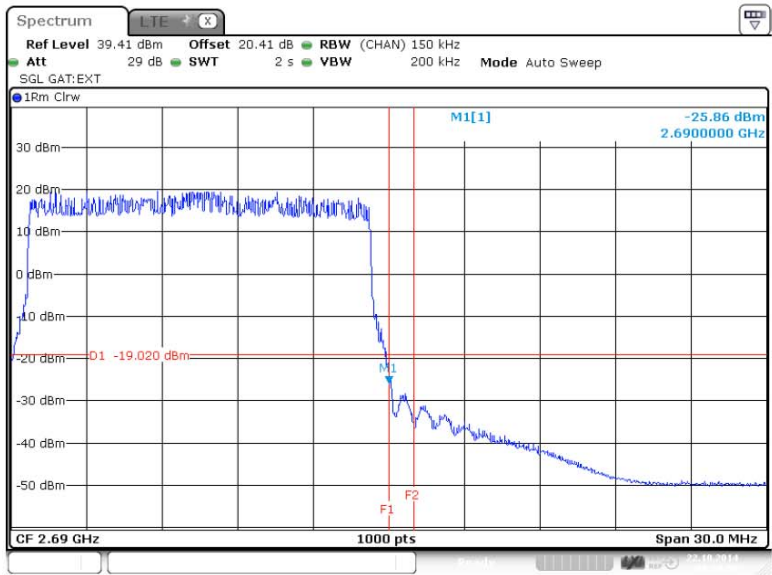
**Figure 135 Spurious Emissions (Lower Band Edge) – 16QAM (2503.5 MHz)
(15MHz Channel BW)**



Product Service

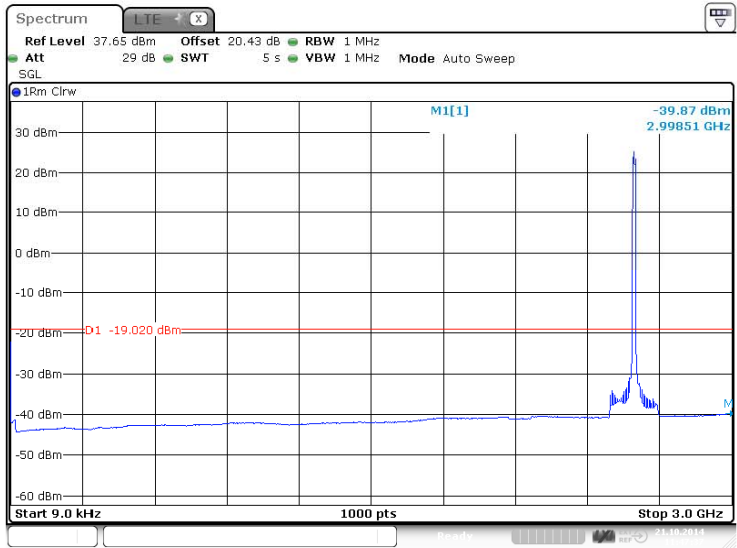
FCC ID:
VBNFWHD-01

Test Report No:
D522886124



Date: 22.OCT.2014 08:54:58

Figure 136 Spurious Emissions (Upper Band Edge) – 16QAM (2682.5 MHz) (15MHz Channel BW)



Date: 21.OCT.2014 11:47:37

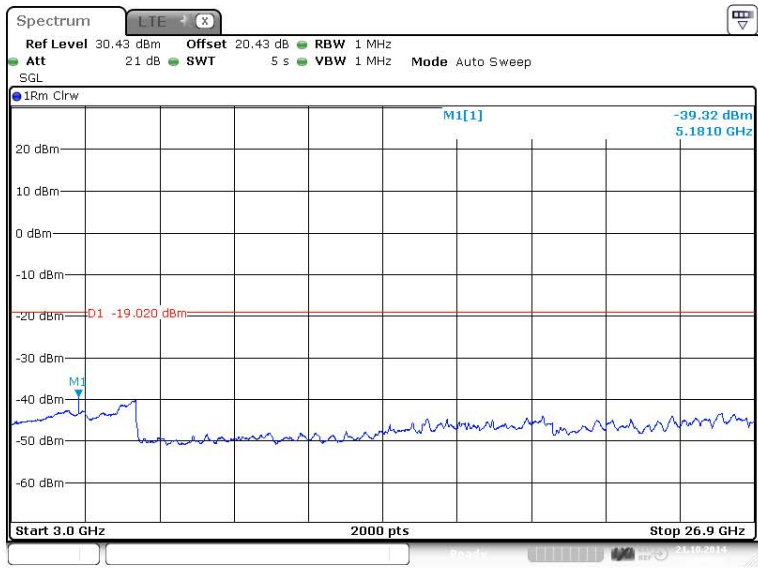
Figure 137 Spurious Emissions (9kHz – 3GHz) – 16QAM (2593.0 MHz) (15MHz Channel BW)



Product Service

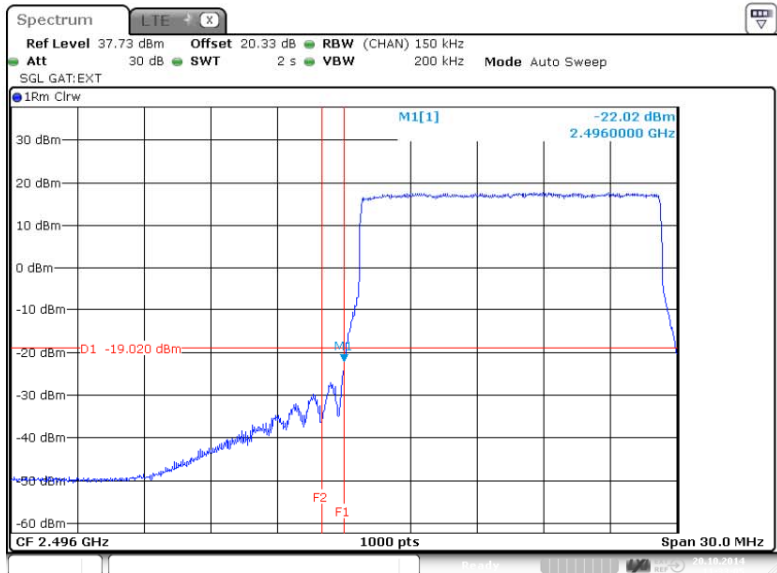
FCC ID:
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Test Report No:
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Date: 21.OCT.2014 11:48:35

Figure 138 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz) (15MHz Channel BW)



Date: 20.OCT.2014 11:33:06

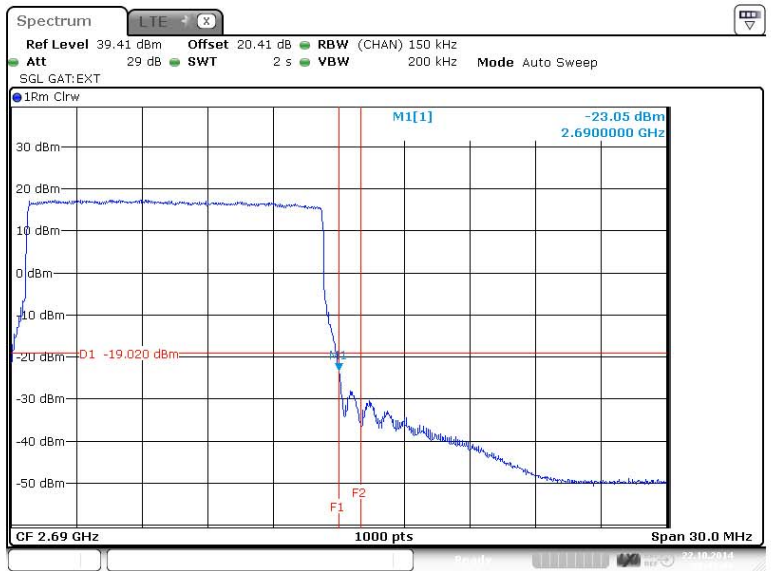
Figure 139 Spurious Emissions (Lower Band Edge) – 64QAM (2503.5 MHz) (15MHz Channel BW)



Product Service

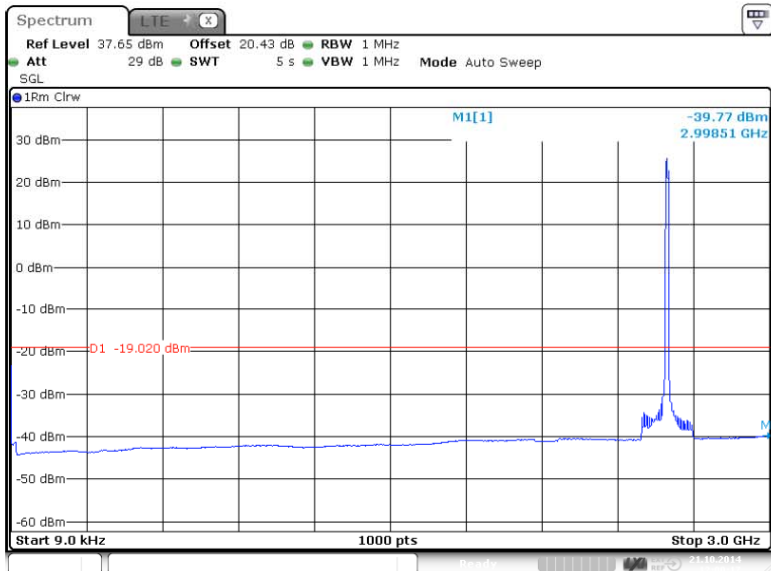
FCC ID:
VBNFWHD-01

Test Report No:
D522886124



Date: 22.OCT.2014 08:42:04

**Figure 140 Spurious Emissions (Upper Band Edge) – 64QAM (2682.5 MHz)
(15MHz Channel BW)**



Date: 21.OCT.2014 12:00:17

**Figure 141 Spurious Emissions (9kHz – 3GHz) – 64QAM (2593.0 MHz)
(15MHz Channel BW)**