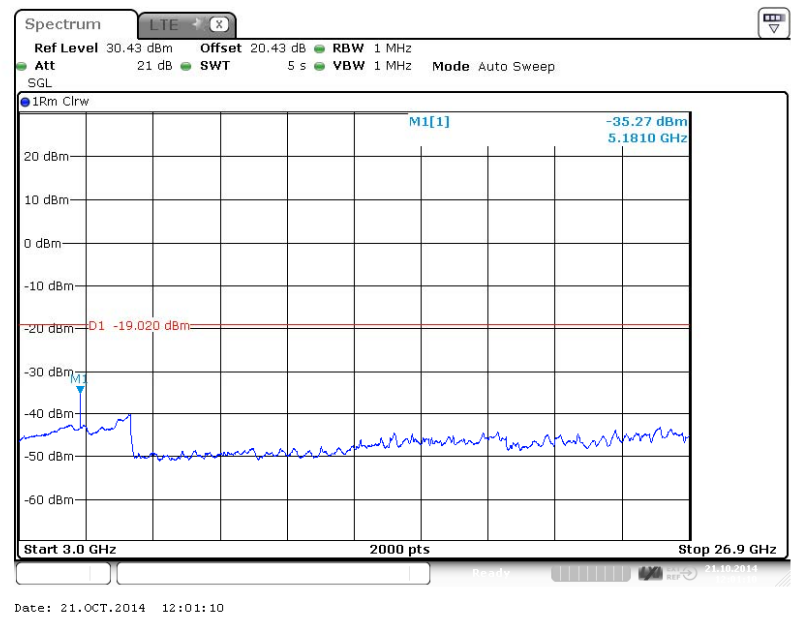




Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124



**Figure 142 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz)
(15MHz Channel BW)**



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

Config C ANT2/Main:

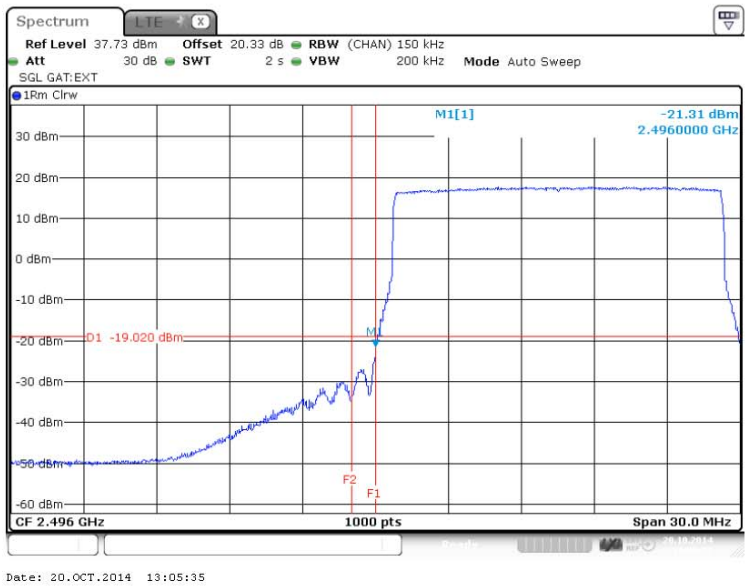


Figure 143 Spurious Emissions (Lower Band Edge) – QPSK (2503.5 MHz)
(15MHz Channel BW)



Figure 144 Spurious Emissions (Upper Band Edge) – QPSK (2682.5 MHz)
(15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

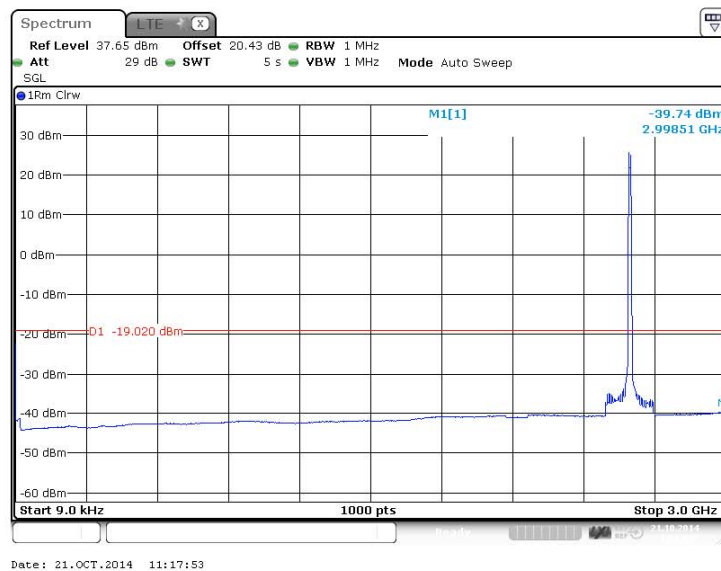


Figure 145 Spurious Emissions (9kHz – 3GHz) - QPSK (2593.0 MHz) (15MHz Channel BW)

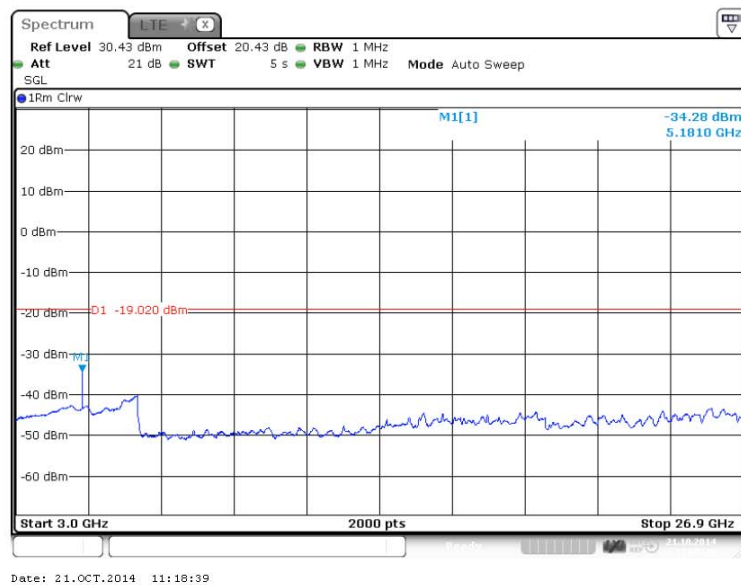


Figure 146 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

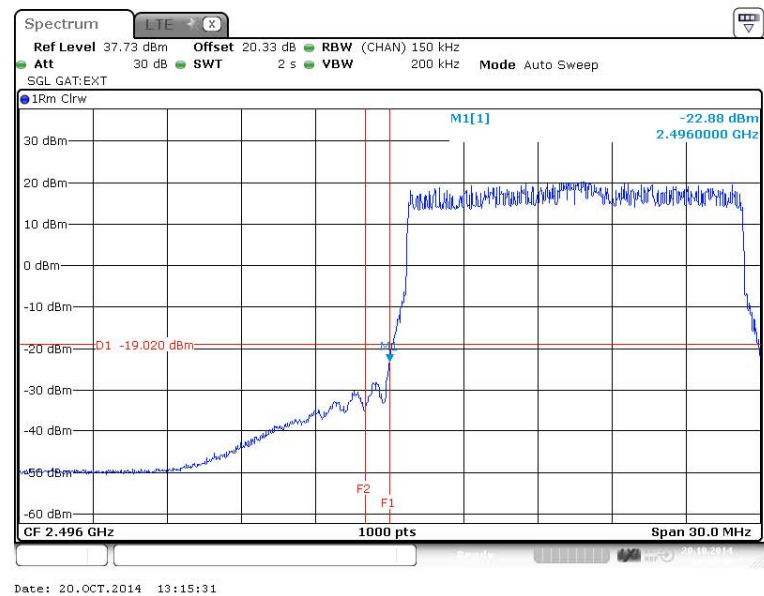


Figure 147 Spurious Emissions (Lower Band Edge) – 16QAM (2503.5 MHz)
(15MHz Channel BW)

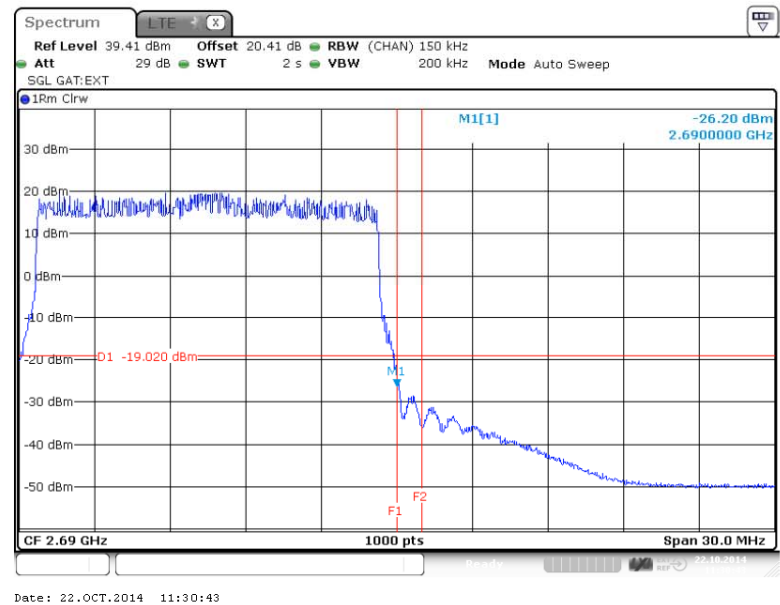


Figure 148 Spurious Emissions (Upper Band Edge) – 16QAM (2682.5 MHz)
(15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

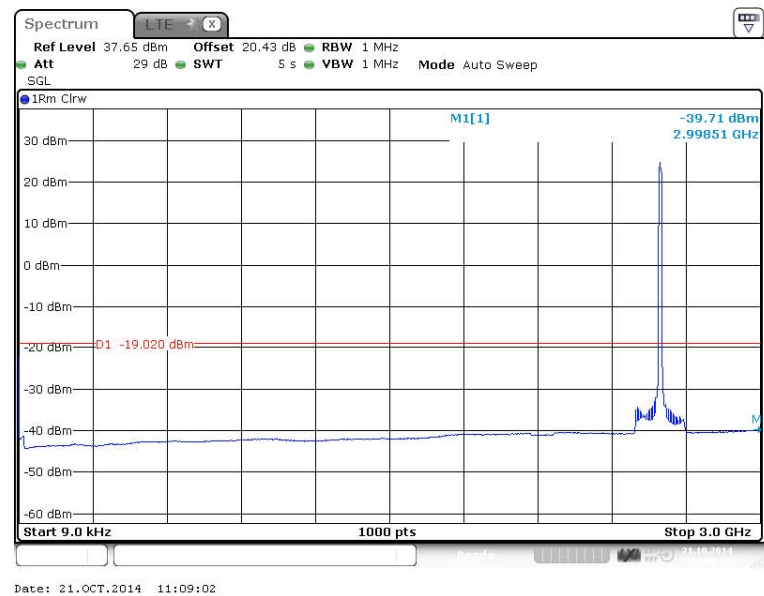


Figure 149 Spurious Emissions (9kHz – 3GHz) – 16QAM (2593.0 MHz)
(15MHz Channel BW)

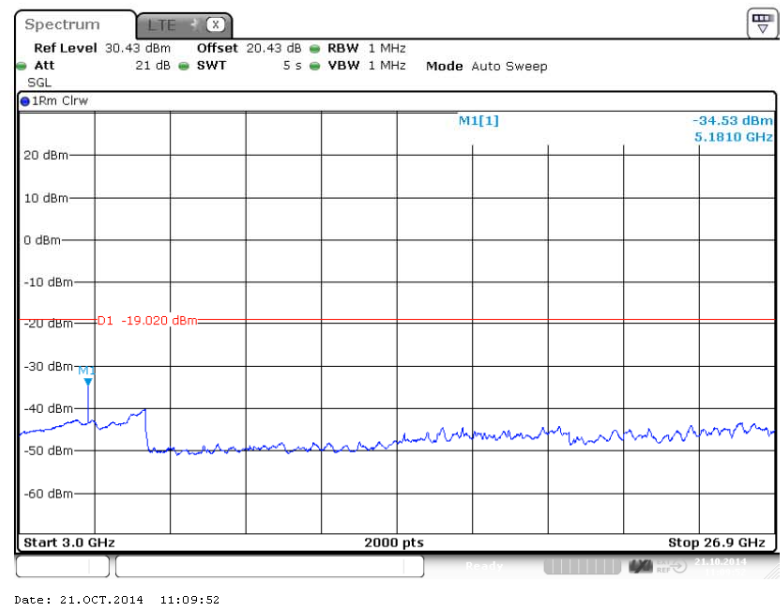


Figure 150 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz)
(15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

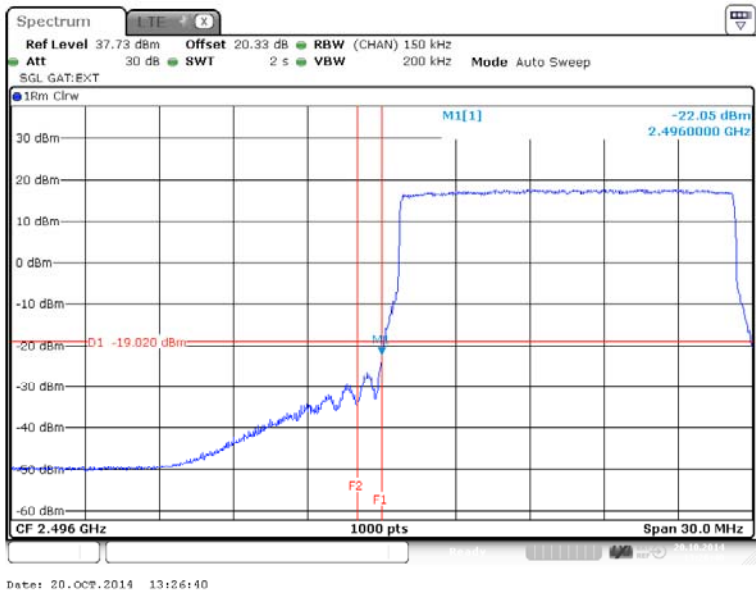


Figure 151 Spurious Emissions (Lower Band Edge) – 64QAM (2503.5 MHz)
(15MHz Channel BW)

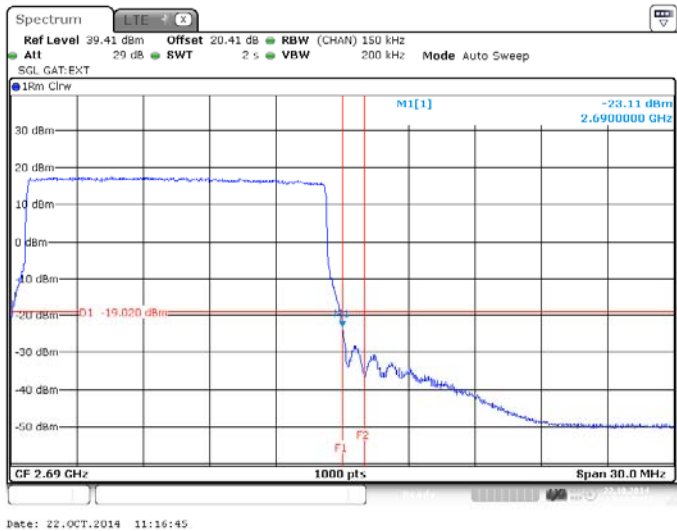


Figure 152 Spurious Emissions (Upper Band Edge) – 64QAM (2682.5 MHz)
(15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

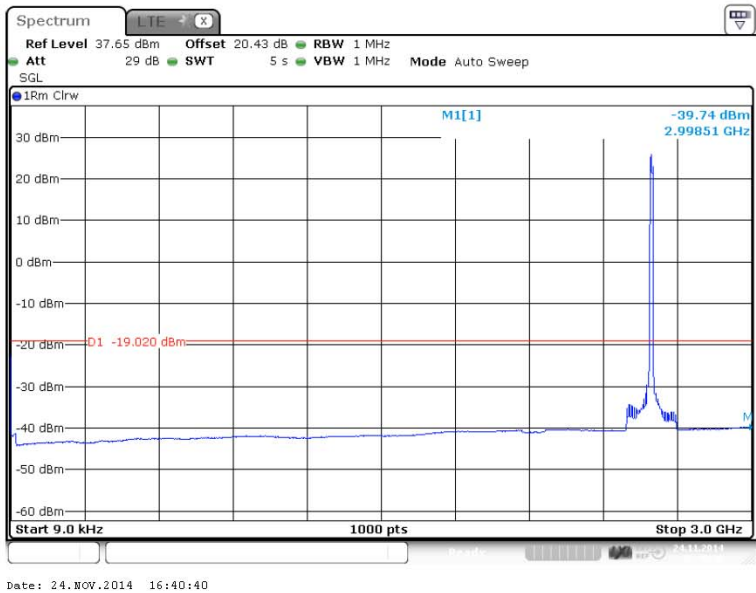


Figure 153 Spurious Emissions (9kHz – 3GHz) – 64QAM (2593.0 MHz)
(15MHz Channel BW)

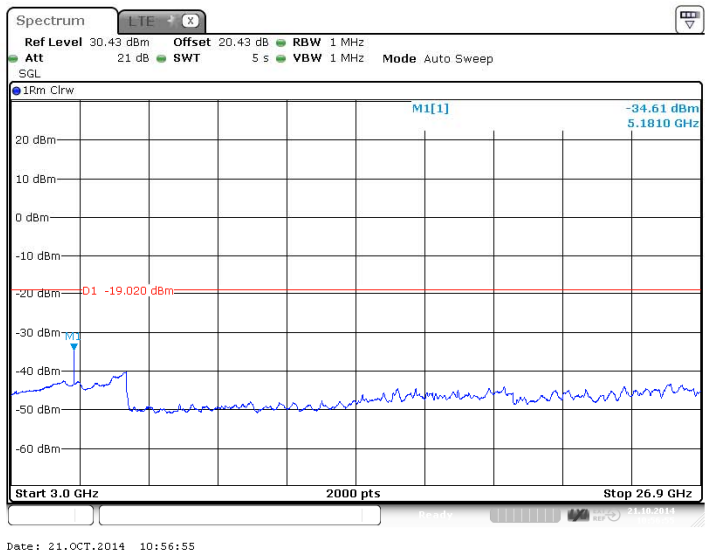


Figure 154 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz)
(15MHz Channel BW)

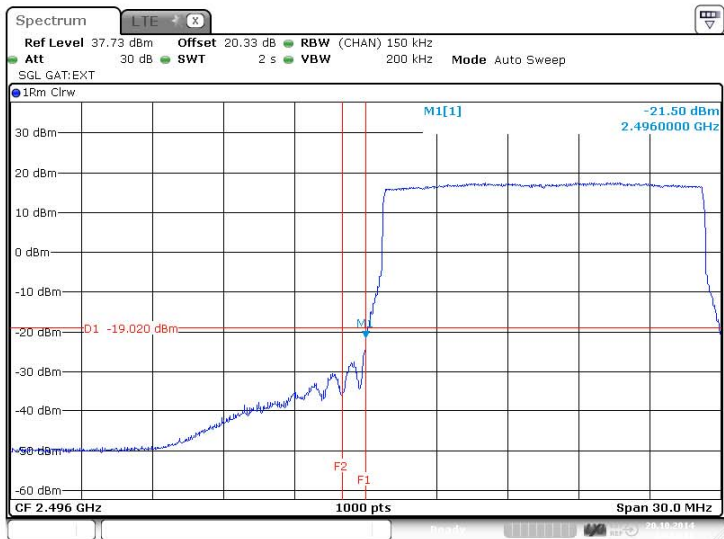
Config C ANT2/Div:



Product Service

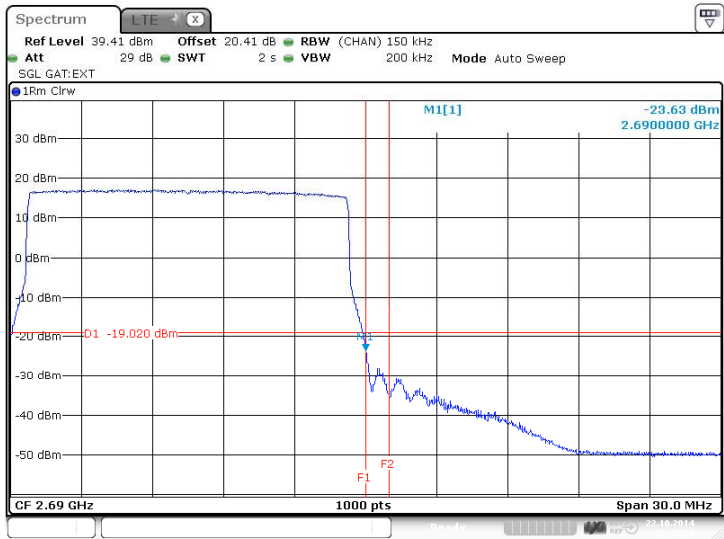
FCC ID:
VBNFWHD-01

Test Report No:
D522886124



Date: 20.OCT.2014 14:17:12

Figure 155 Spurious Emissions (Lower Band Edge) – QPSK (2503.5 MHz) (15MHz Channel BW)



Date: 22.OCT.2014 09:27:20

Figure 156 Spurious Emissions (Upper Band Edge) – QPSK (2682.5 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

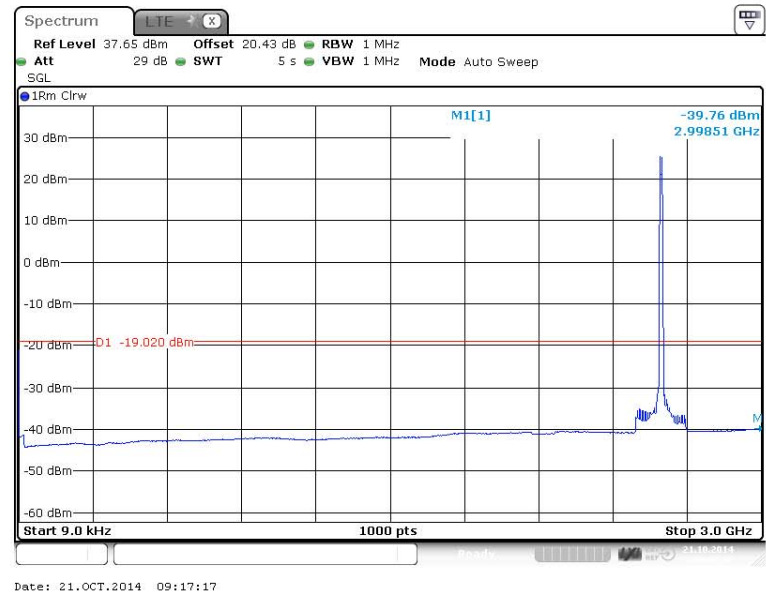


Figure 157 Spurious Emissions (9kHz – 3GHz) - QPSK (2593.0 MHz) (15MHz Channel BW)

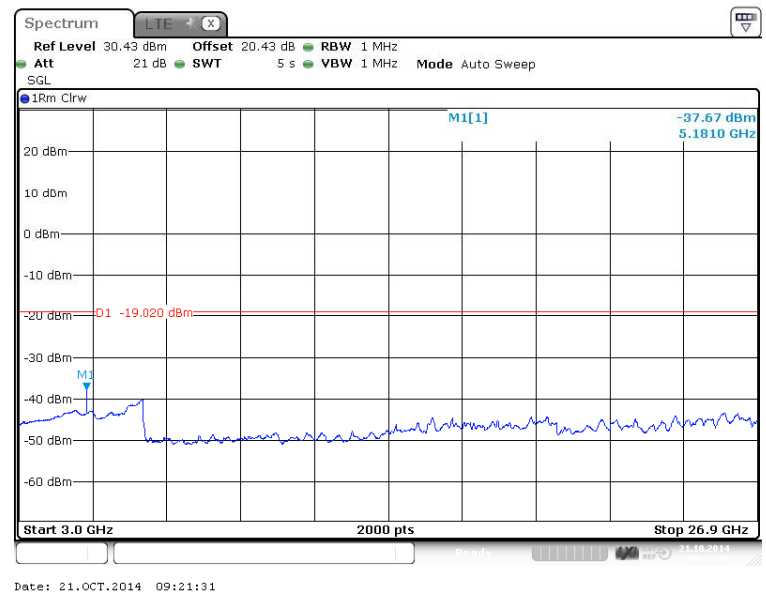


Figure 158 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

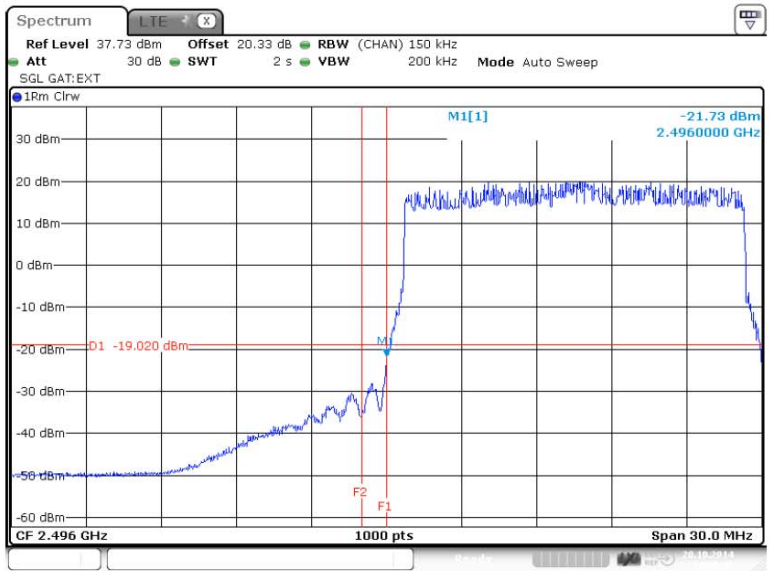


Figure 159 Spurious Emissions (Lower Band Edge) – 16QAM (2503.5 MHz)
(10MHz Channel BW)

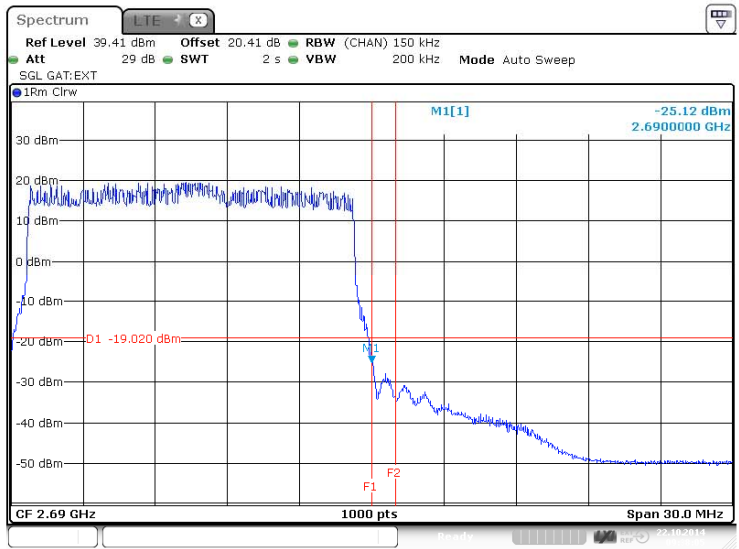


Figure 160 Spurious Emissions (Upper Band Edge) – 16QAM (2682.5 MHz)
(10MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

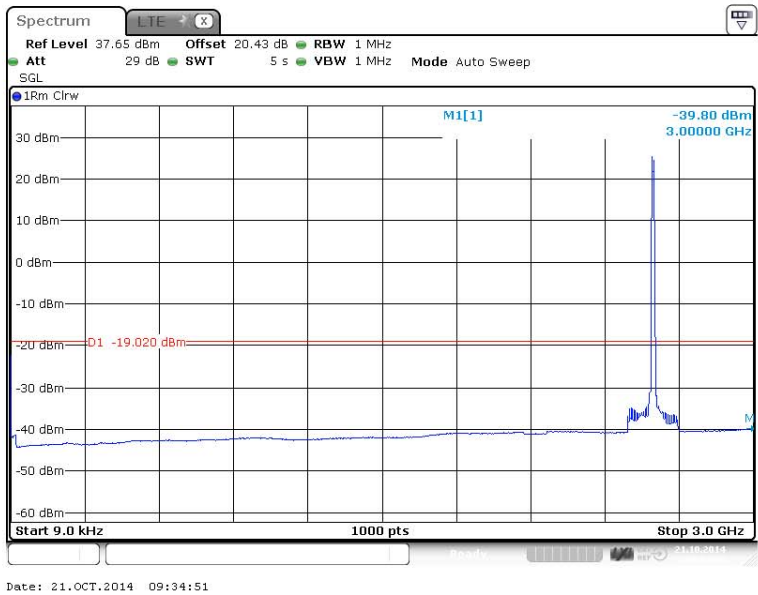


Figure 161 Spurious Emissions (9kHz – 3GHz) – 16QAM (2593.0 MHz)
(10MHz Channel BW)

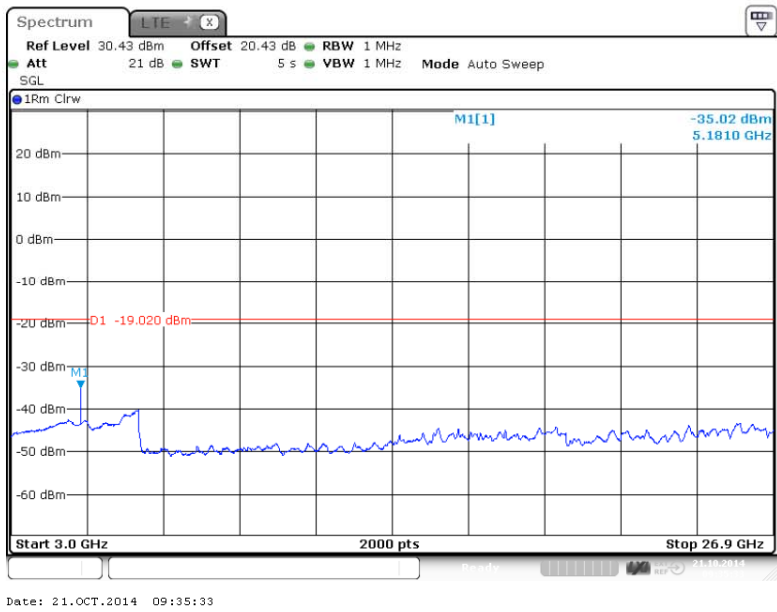


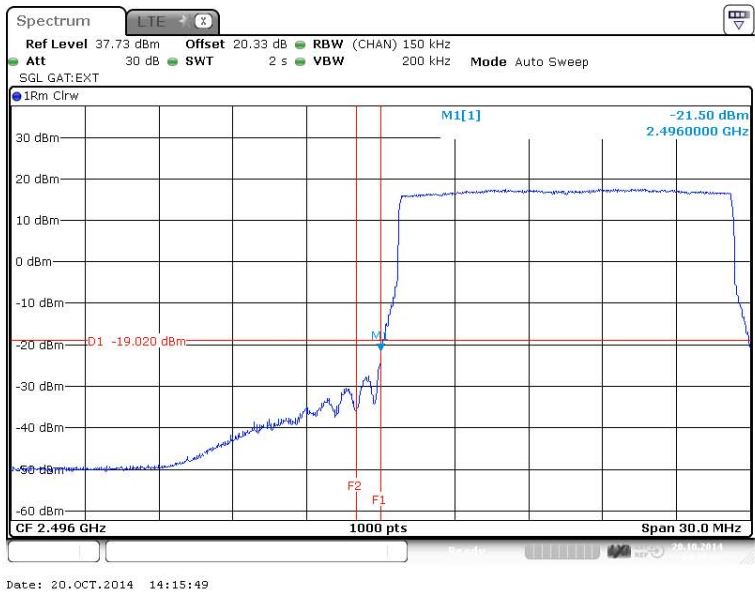
Figure 162 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz)
(10MHz Channel BW)



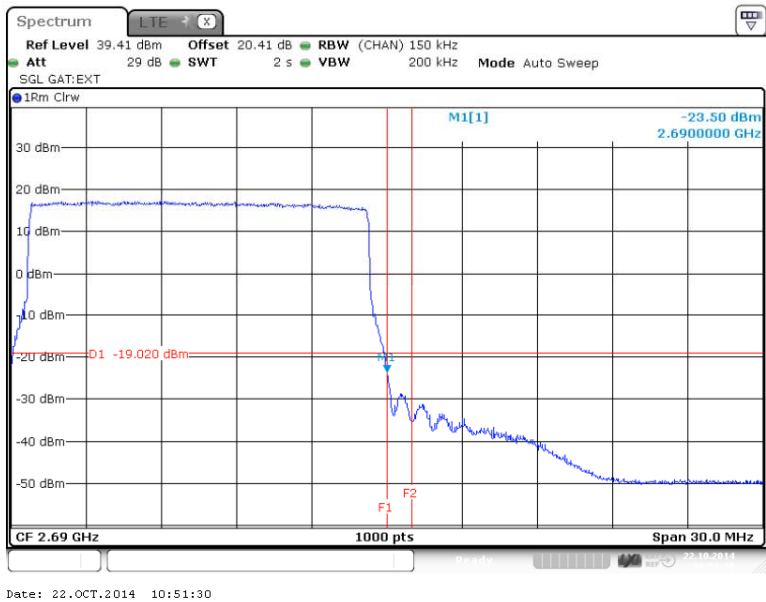
Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124



**Figure 163 Spurious Emissions (Lower Band Edge) – 64QAM (2503.5 MHz)
(10MHz Channel BW)**



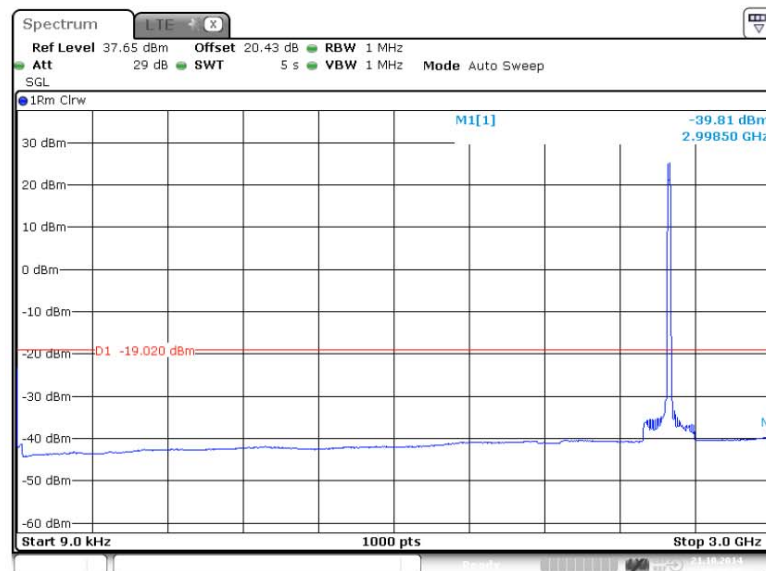
**Figure 164 Spurious Emissions (Upper Band Edge) – 64QAM (2682.5.0 MHz)
(15MHz Channel BW)**



Product Service

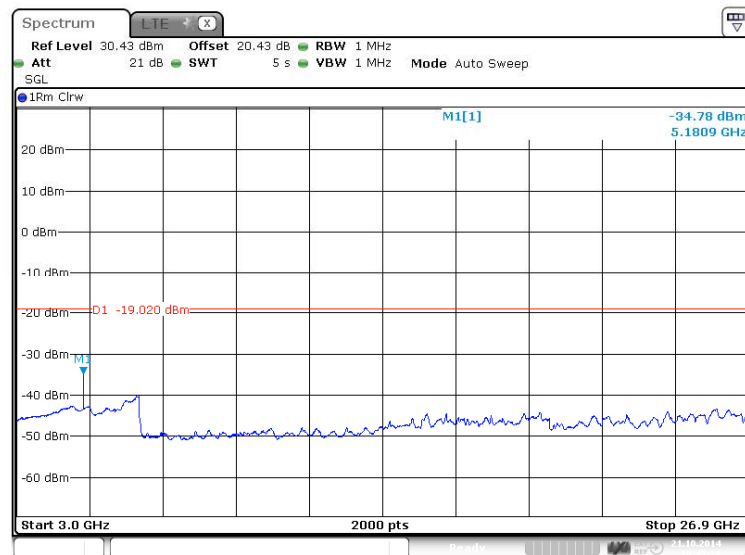
FCC ID:
VBNFWHD-01

Test Report No:
D522886124



Date: 21.OCT.2014 10:44:33

**Figure 165 Spurious Emissions (9kHz – 3GHz) – 64QAM (2593.0 MHz)
(15MHz Channel BW)**



Date: 21.OCT.2014 10:45:28

**Figure 166 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz)
(15MHz Channel BW)**

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11, November 2014
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Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

Config D ANT2/Main:

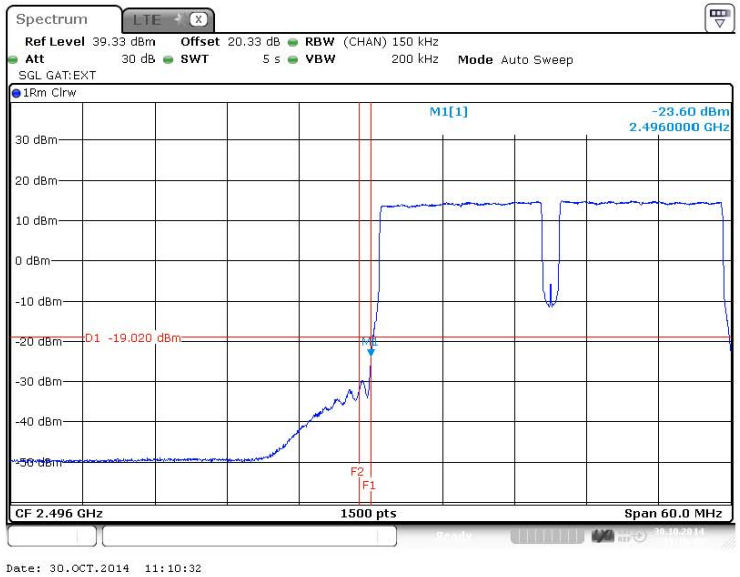


Figure 167 Spurious Emissions (Lower Band Edge) – QPSK (2503.5/2518.5 MHz) (15MHz Channel BW)

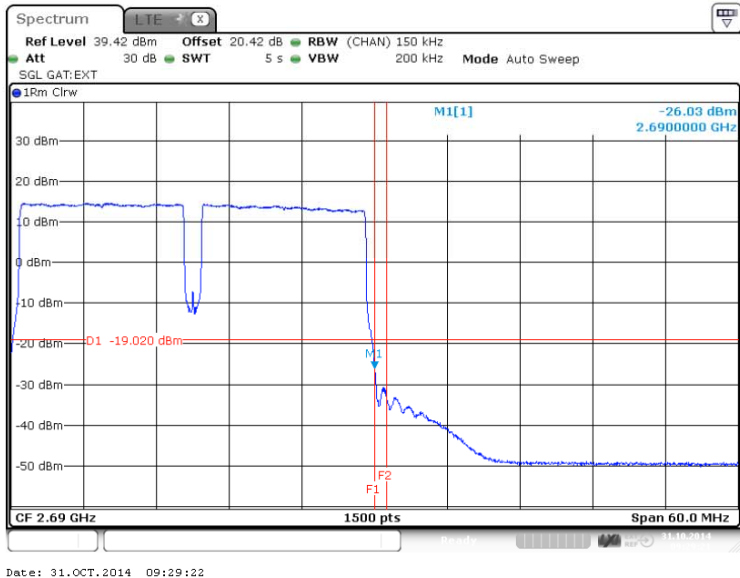


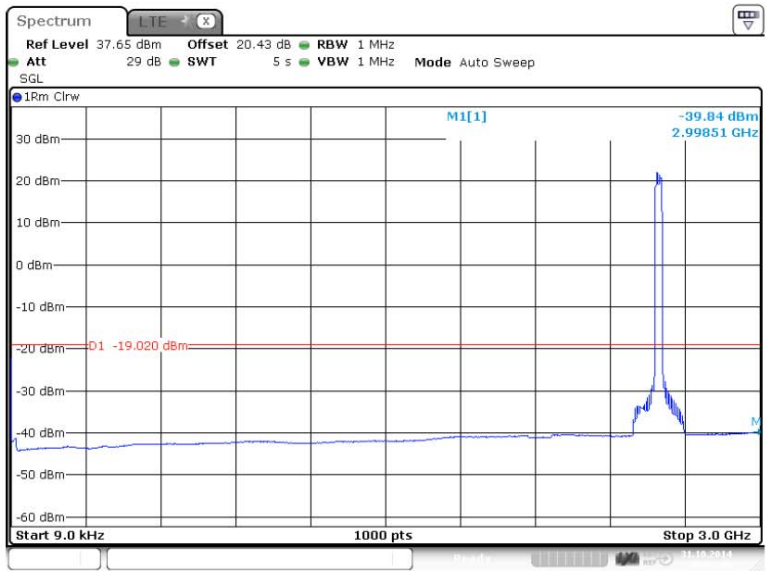
Figure 168 Spurious Emissions (Upper Band Edge) – QPSK (2667.5/2682.5 MHz) (15MHz Channel BW)



Product Service

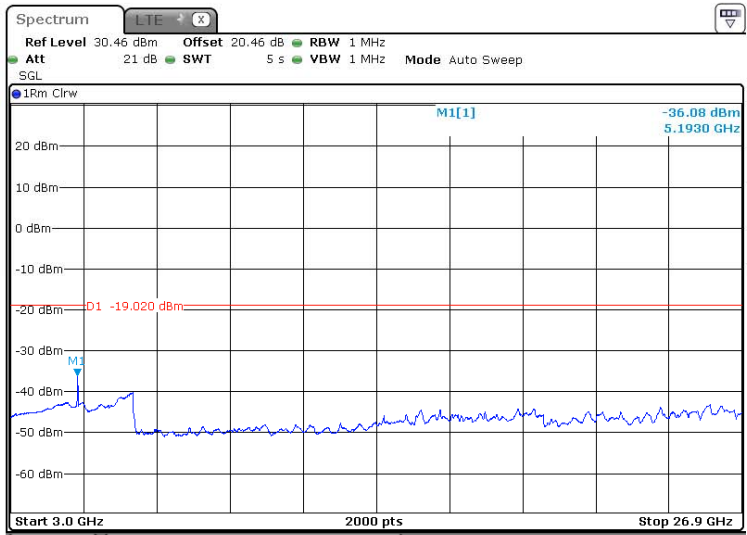
FCC ID:
VBNFWHD-01

Test Report No:
D522886124



Date: 31.OCT.2014 09:03:47

Figure 169 Spurious Emissions (9kHz – 3GHz) - QPSK (2585.5/2600.5 MHz) (15MHz Channel BW)



Date: 31.OCT.2014 09:02:31

Figure 170 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2585.5/2600.5 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

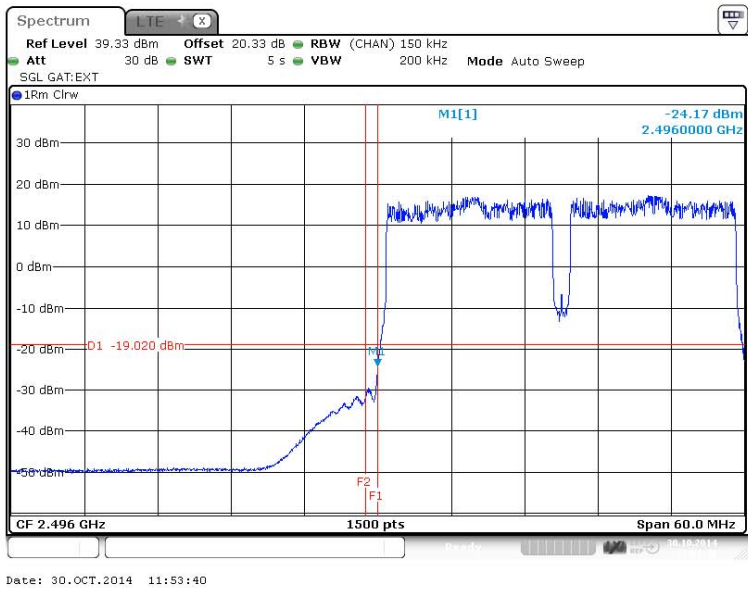


Figure 171 Spurious Emissions (Lower Band Edge) – 16QAM (2503.5/2518.5 MHz) (15MHz Channel BW)

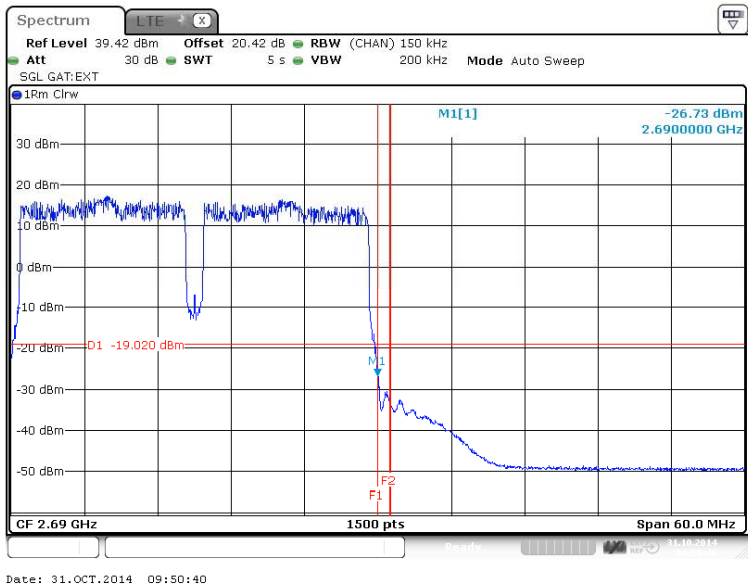


Figure 172 Spurious Emissions (Upper Band Edge) – 16QAM (2667.5/2682.5 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

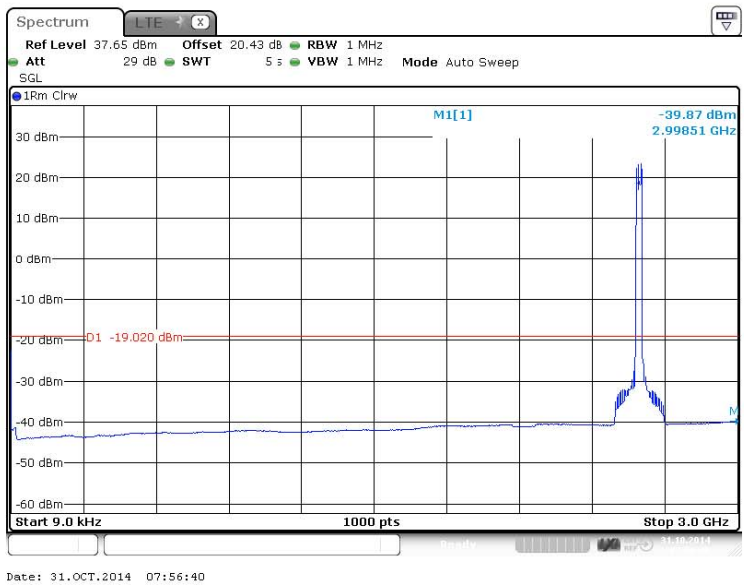


Figure 173 Spurious Emissions (9kHz – 3GHz) – 16QAM (2585.5/2600.5 MHz) (15MHz Channel BW)

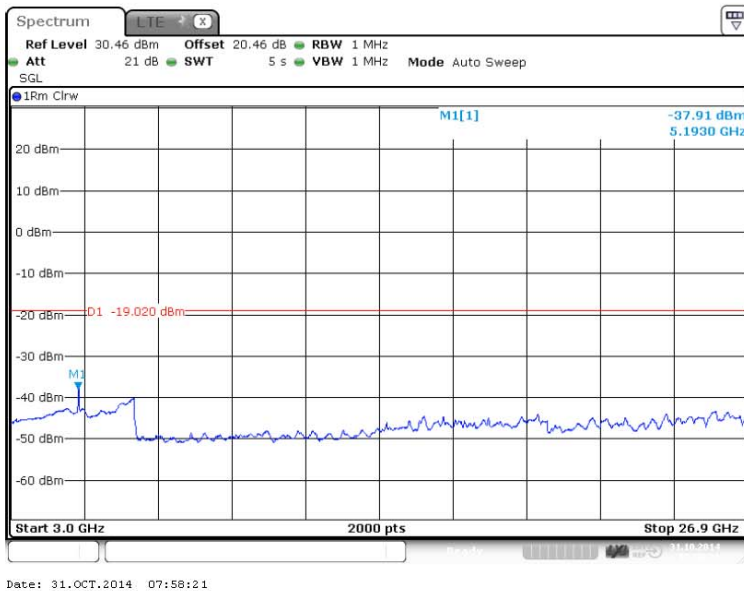


Figure 174 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2585.5/2600.5 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

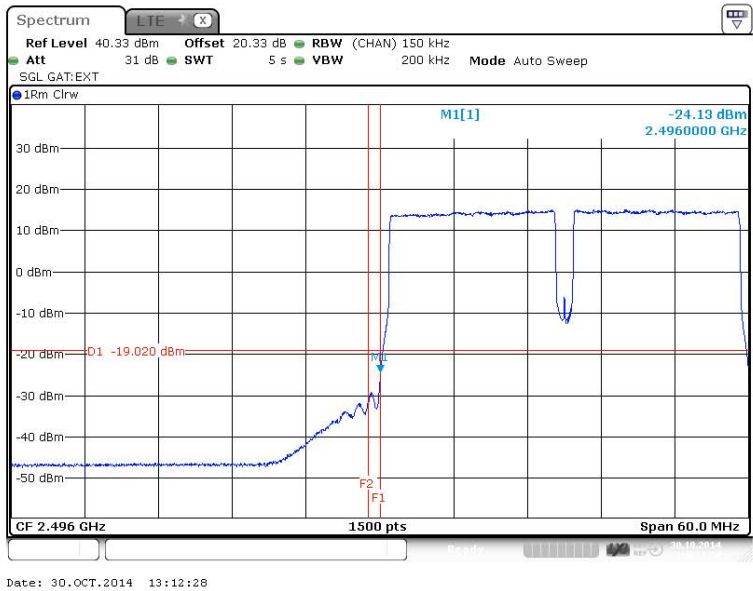


Figure 175 Spurious Emissions (Lower Band Edge) – 64QAM (2503.5/2518.5 MHz) (15MHz Channel BW)

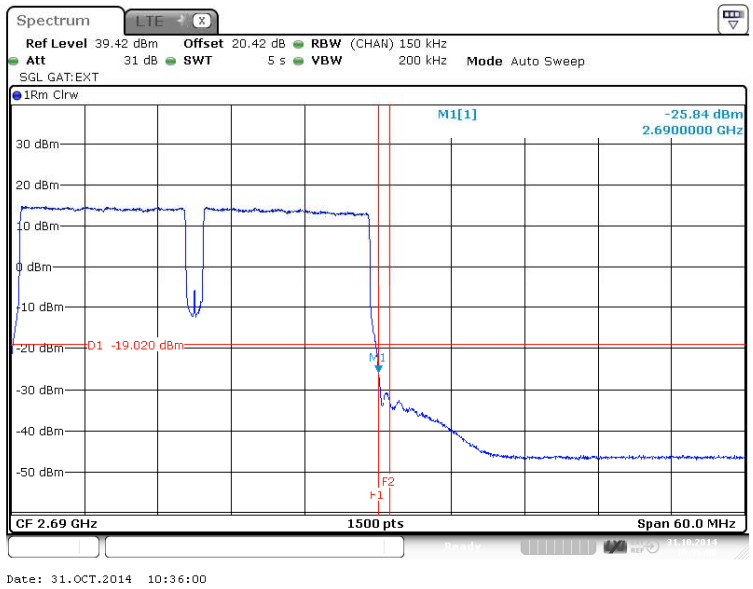


Figure 176 Spurious Emissions (Upper Band Edge) – 64QAM ((2667.5/2682.5 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

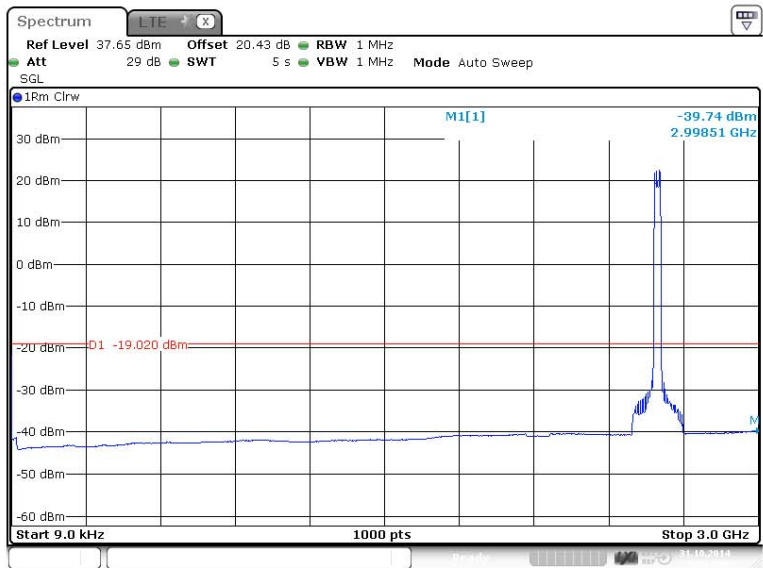


Figure 177 Spurious Emissions (9kHz – 3GHz) – 64QAM (2585.5/2600.5 MHz) (15MHz Channel BW)

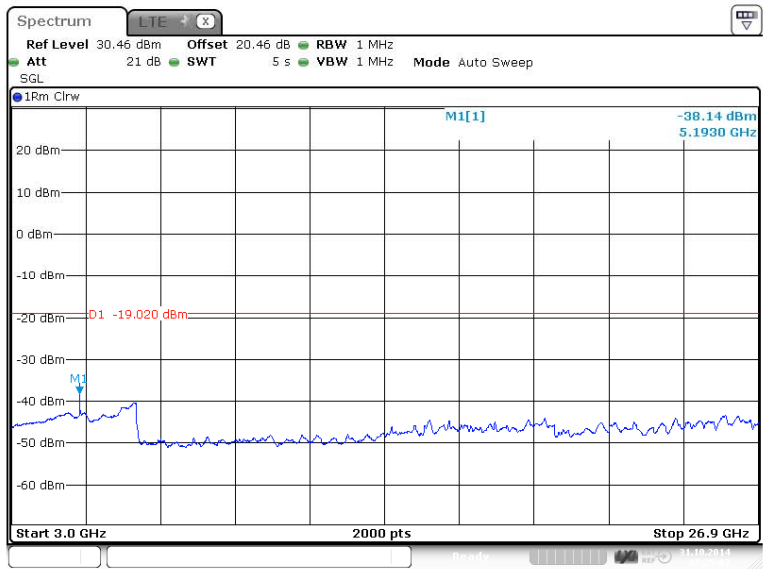


Figure 178 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2585.5/2600.5 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

Config D ANT2/Div:

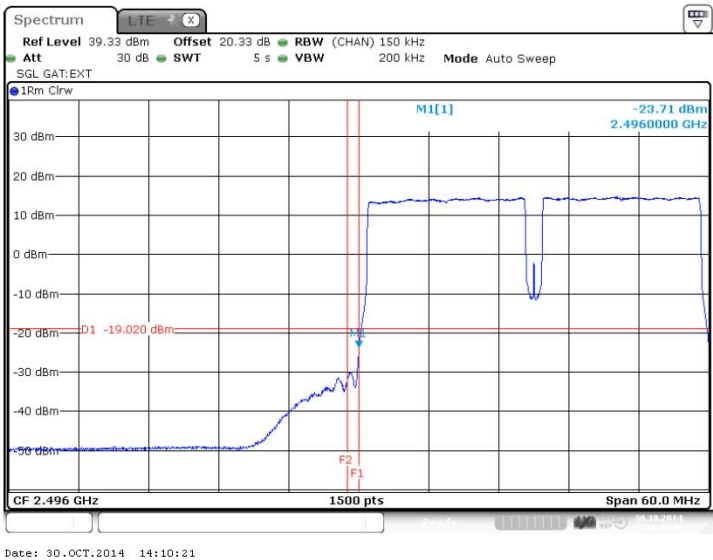


Figure 179 Spurious Emissions (Lower Band Edge) – QPSK (2503.5/2518.5 MHz) (15MHz Channel BW)

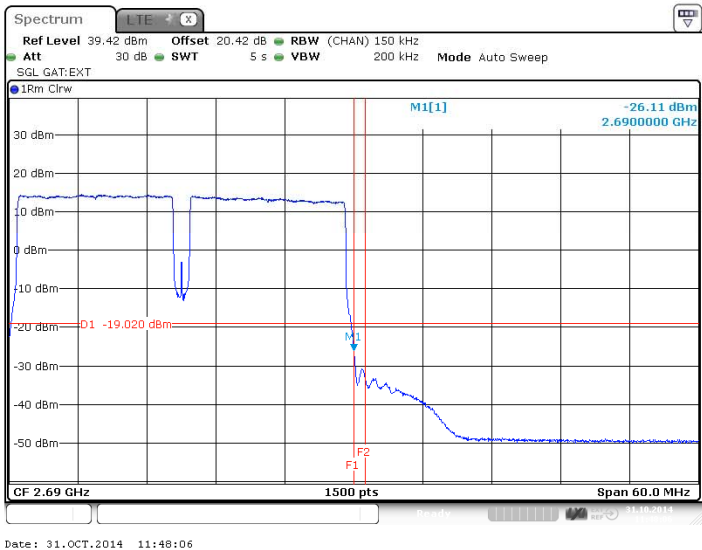


Figure 180 Spurious Emissions (Upper Band Edge) – QPSK ((2667.5/2682.5 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

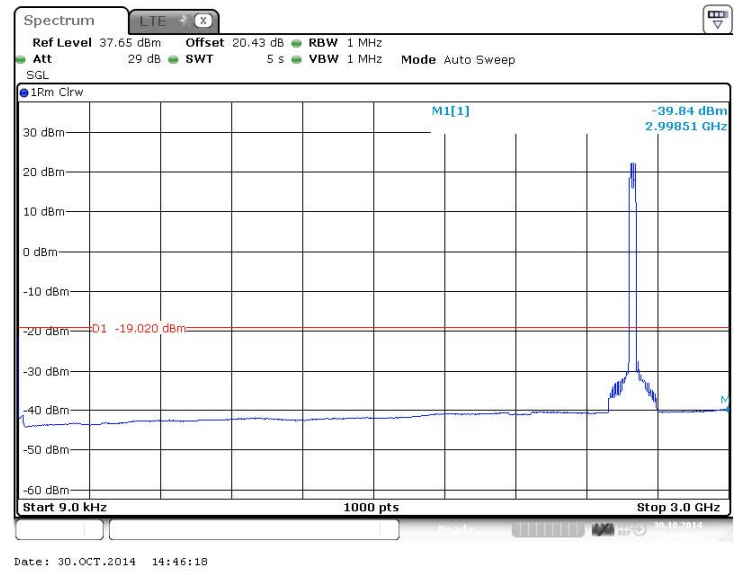


Figure 181 Spurious Emissions (9kHz – 3GHz) - QPSK (2585.5/2600.5 MHz) (15MHz Channel BW)

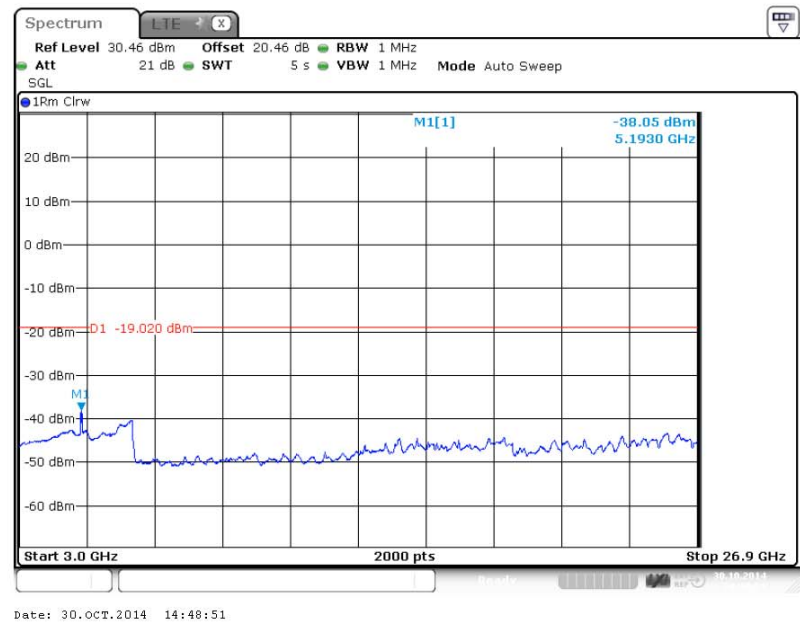


Figure 182 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2585.5/2600.5 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

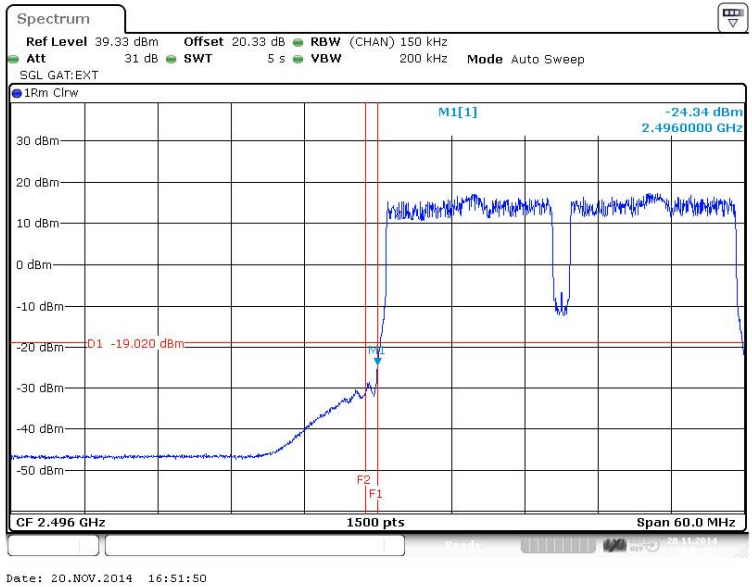


Figure 183 Spurious Emissions (Lower Band Edge) – 16QAM (2503.5/2518.5 MHz) (15MHz Channel BW)

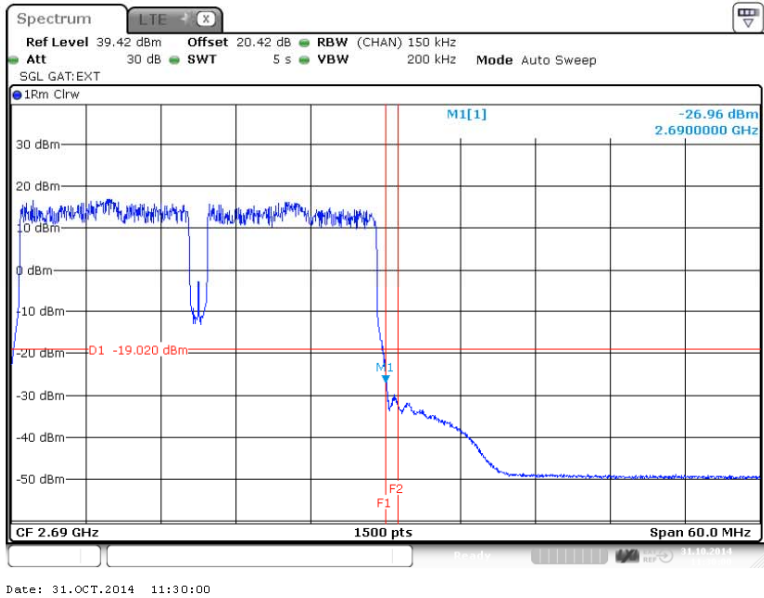


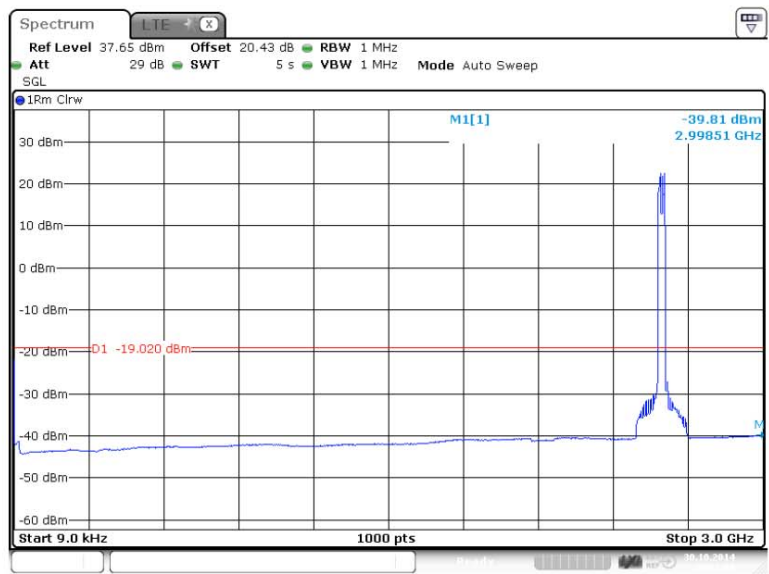
Figure 184 Spurious Emissions (Upper Band Edge) – 16QAM ((2667.5/2682.5 MHz) (15MHz Channel BW)



Product Service

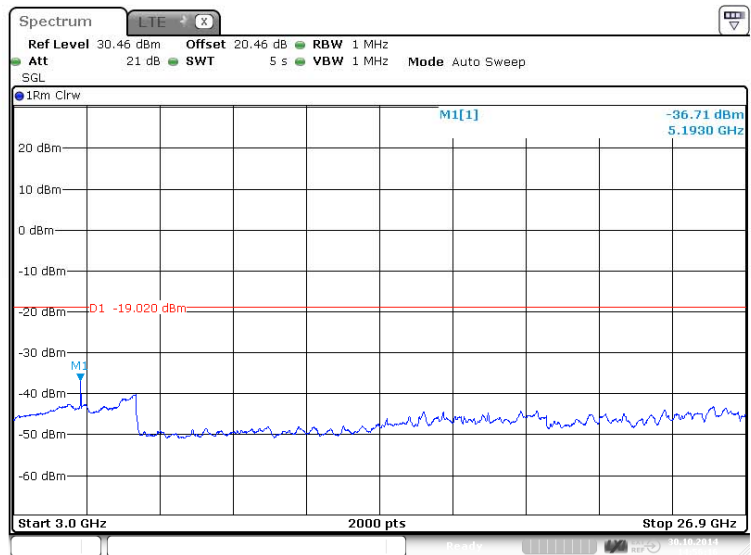
FCC ID:
VBNFWHD-01

Test Report No:
D522886124



Date: 30.OCT.2014 14:57:20

Figure 185 Spurious Emissions (9kHz – 3GHz) – 16QAM (2585.5/2600.5 MHz) (15MHz Channel BW)



Date: 30.OCT.2014 14:56:16

Figure 186 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2585.5/2600.5 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

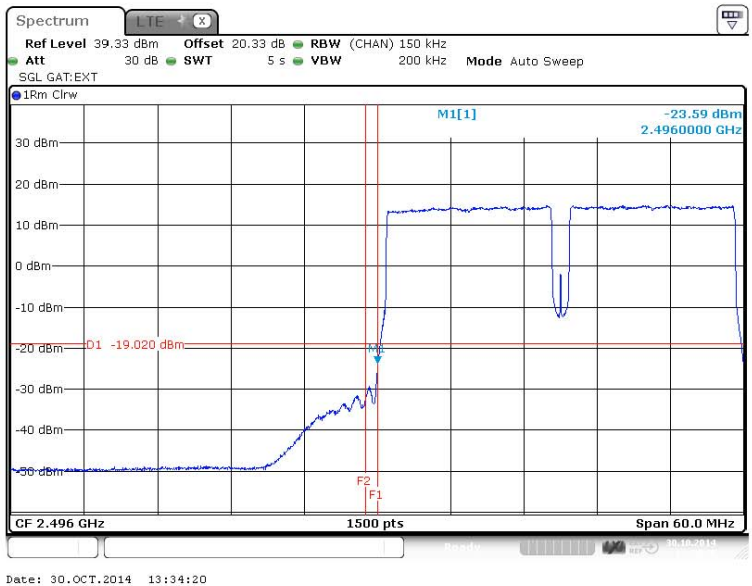


Figure 187 Spurious Emissions (Lower Band Edge) – 64QAM (2503.5/2518.5 MHz) (15MHz Channel BW)

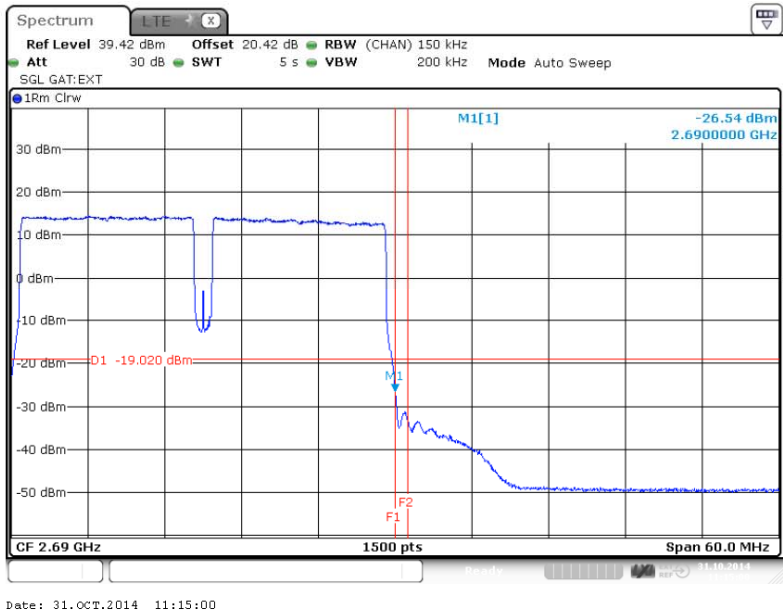


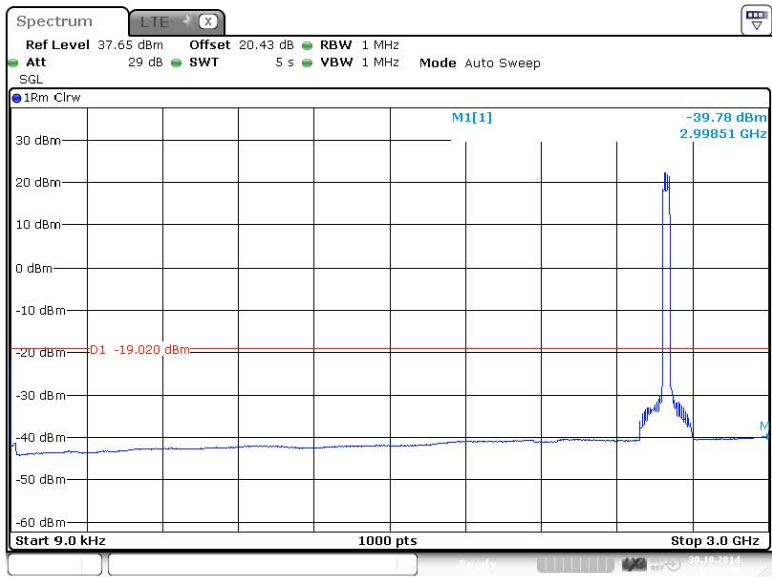
Figure 188 Spurious Emissions (Upper Band Edge) – 64QAM ((2667.5/2682.5 MHz) (15MHz Channel BW)



Product Service

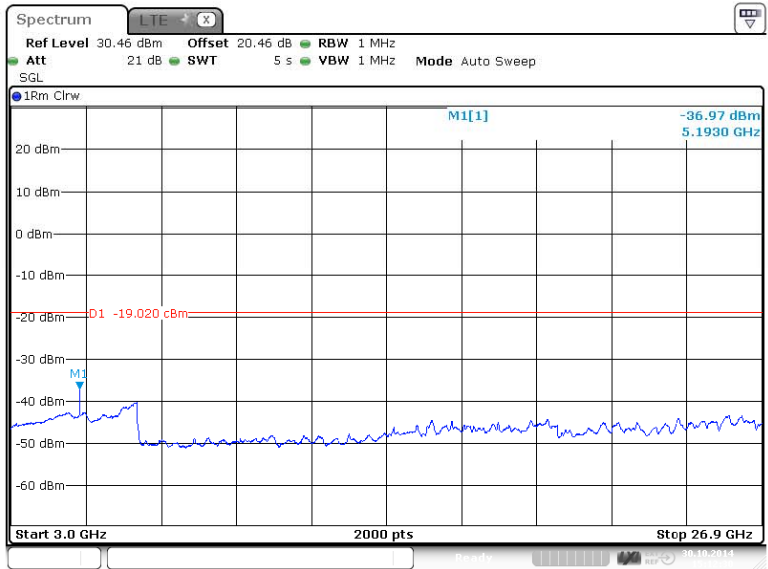
FCC ID:
VBNFWHD-01

Test Report No:
D522886124



Date: 30.OCT.2014 15:09:55

Figure 189 Spurious Emissions (9kHz – 3GHz) – 64QAM (2585.5/2600.5 MHz) (15MHz Channel BW)



Date: 30.OCT.2014 15:12:30

Figure 190 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2585.5/2600.5 MHz) (15MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

Config E ANT1/Main:

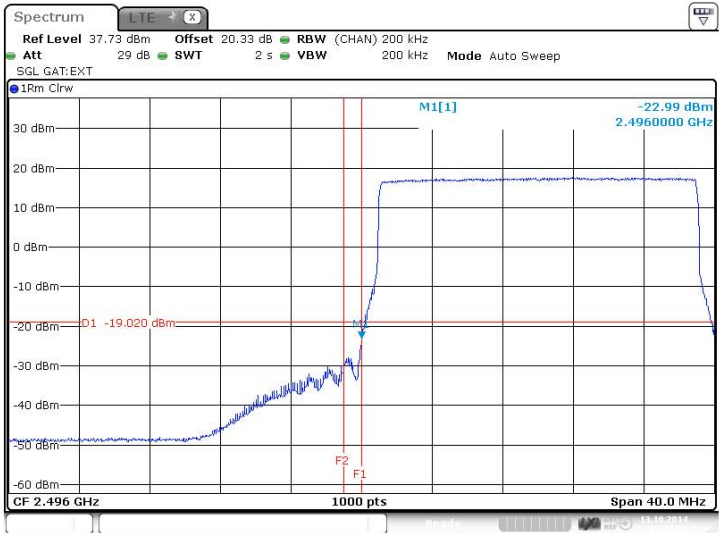


Figure 191 Spurious Emissions (Lower Band Edge) – QPSK (2506.0 MHz)
(20MHz Channel BW)

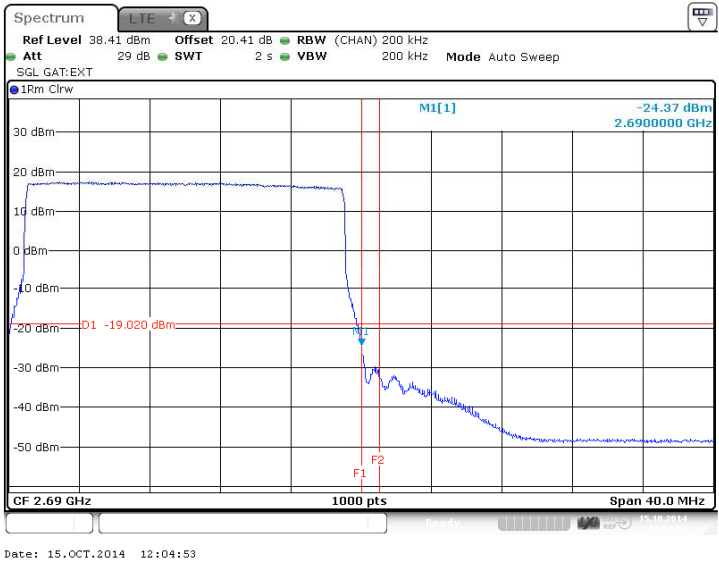


Figure 192 Spurious Emissions (Upper Band Edge) – QPSK (2680.0 MHz)
(20MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

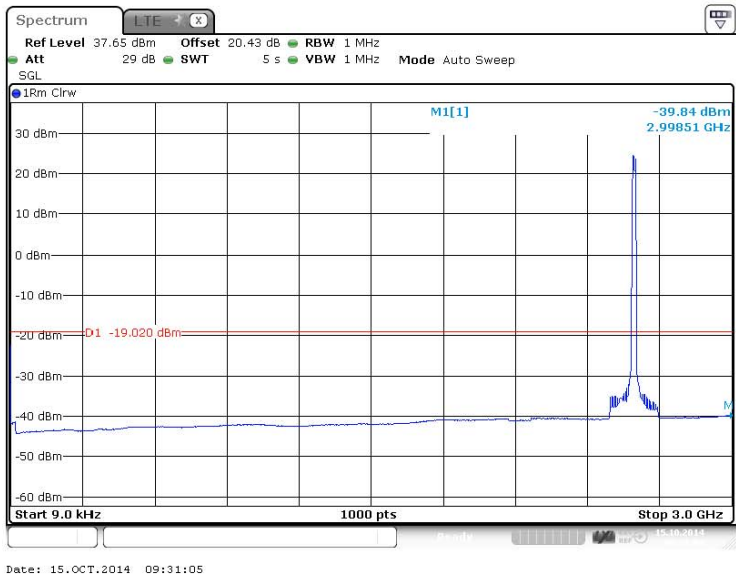


Figure 193 Spurious Emissions (9kHz – 3GHz) - QPSK (2593.0 MHz) (20MHz Channel BW)

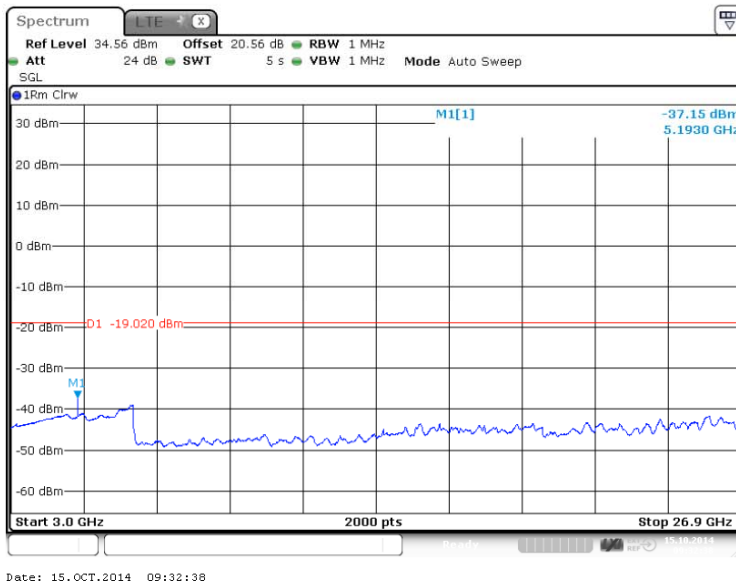


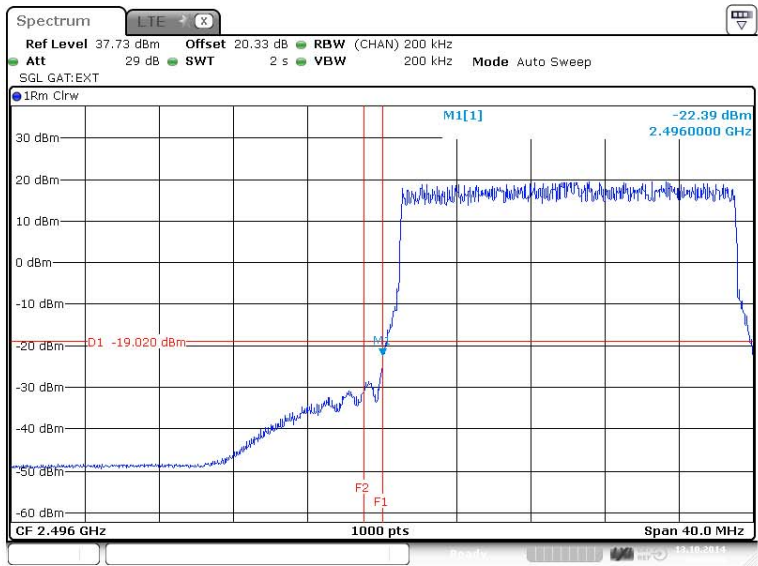
Figure 194 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (20MHz Channel BW)



Product Service

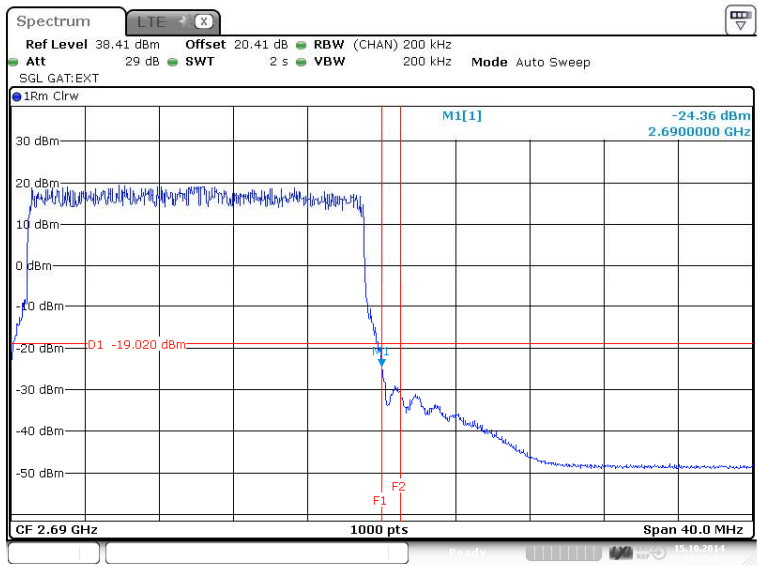
FCC ID:
VBNFWHD-01

Test Report No:
D522886124



Date: 13.OCT.2014 13:03:38

**Figure 195 Spurious Emissions (Lower Band Edge) – 16QAM (2506.0 MHz)
(20MHz Channel BW)**



Date: 15.OCT.2014 12:15:32

**Figure 196 Spurious Emissions (Upper Band Edge) – 16QAM (2680.0 MHz)
(20MHz Channel BW)**



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

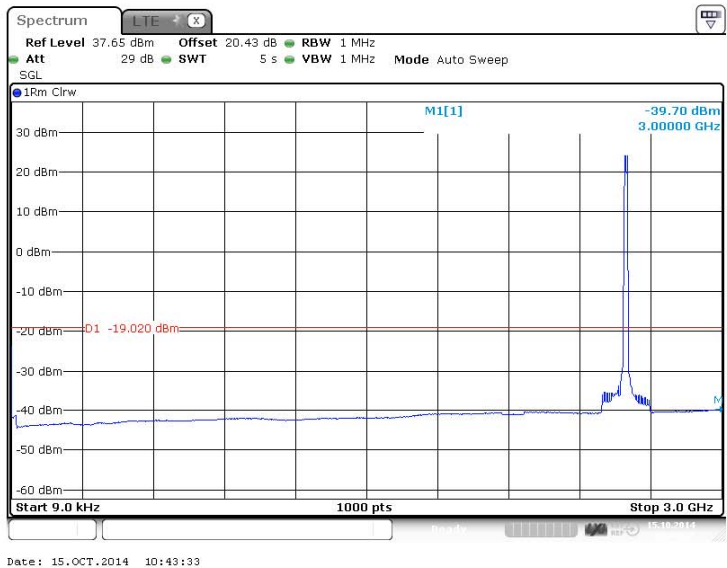


Figure 197 Spurious Emissions (9kHz – 3GHz) – 16QAM (2593.0 MHz)
(20MHz Channel BW)

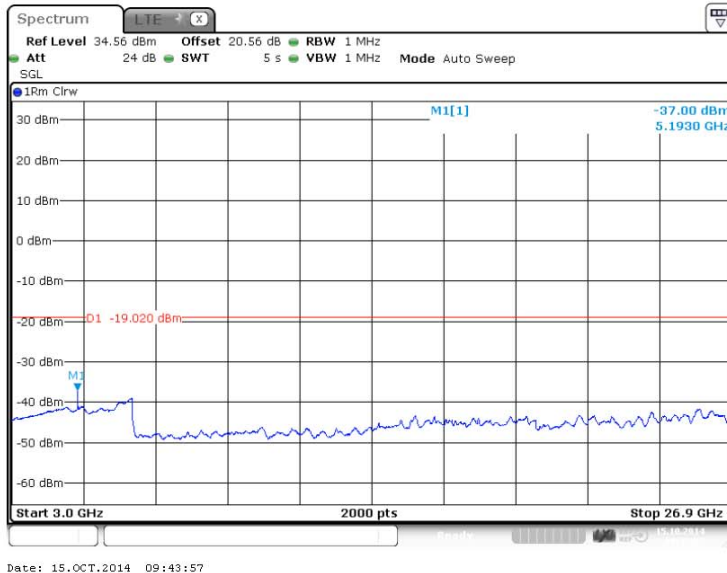


Figure 198 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz)
(20MHz Channel BW)



Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124

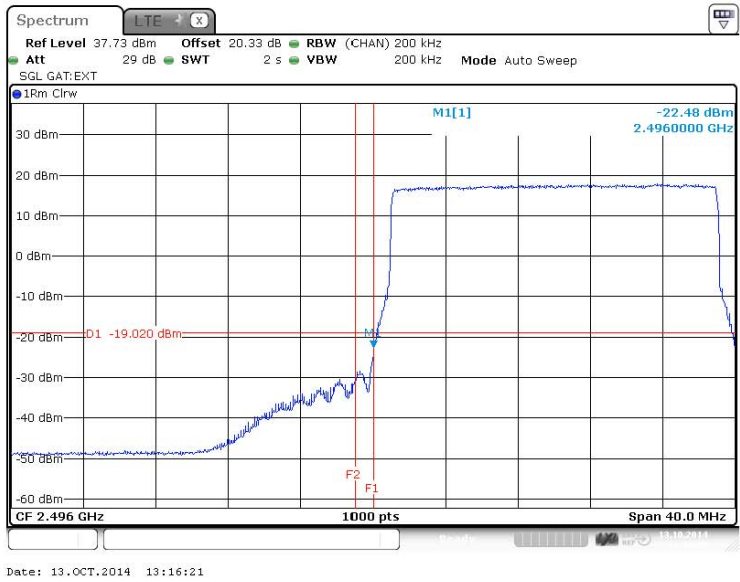


Figure 199 Spurious Emissions (Lower Band Edge) – 64QAM (2506.0 MHz) (20MHz Channel BW)

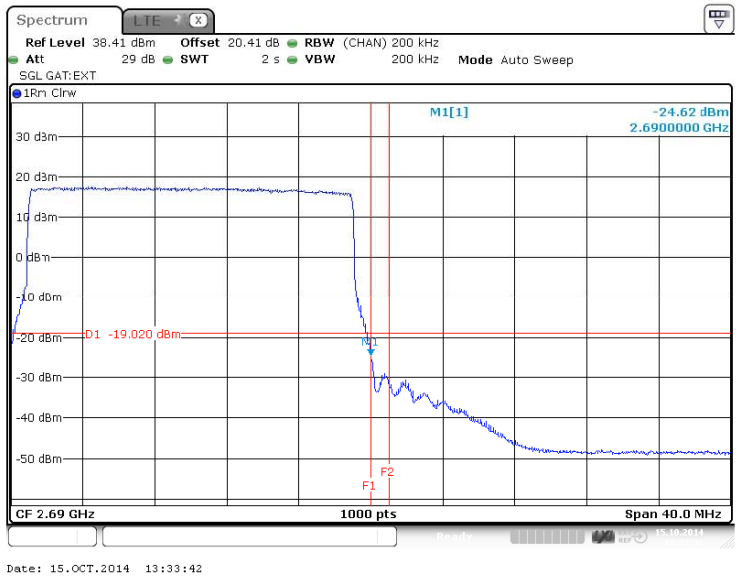


Figure 200 Spurious Emissions (Upper Band Edge) – 64QAM (2680.0 MHz) (20MHz Channel BW)



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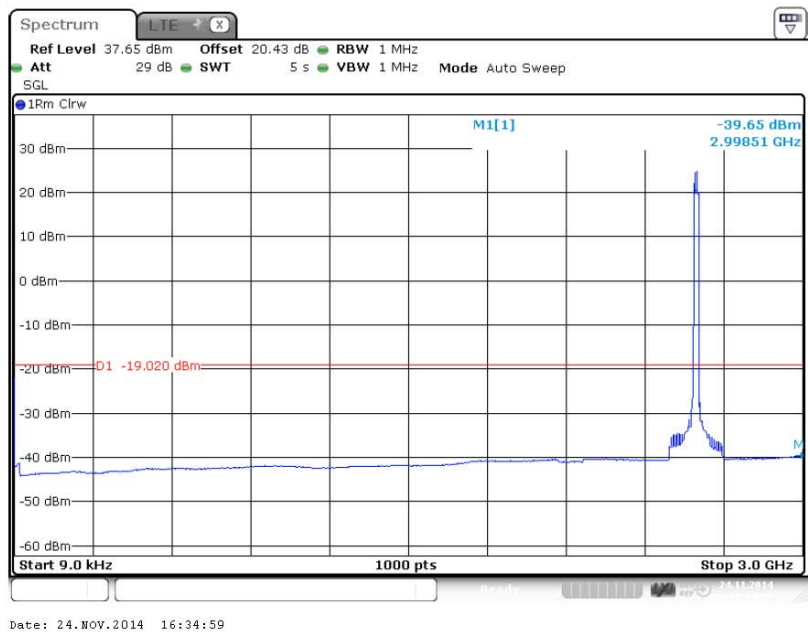


Figure 201 Spurious Emissions (9kHz – 3GHz) – 64QAM (2593.0 MHz)
(20MHz Channel BW)

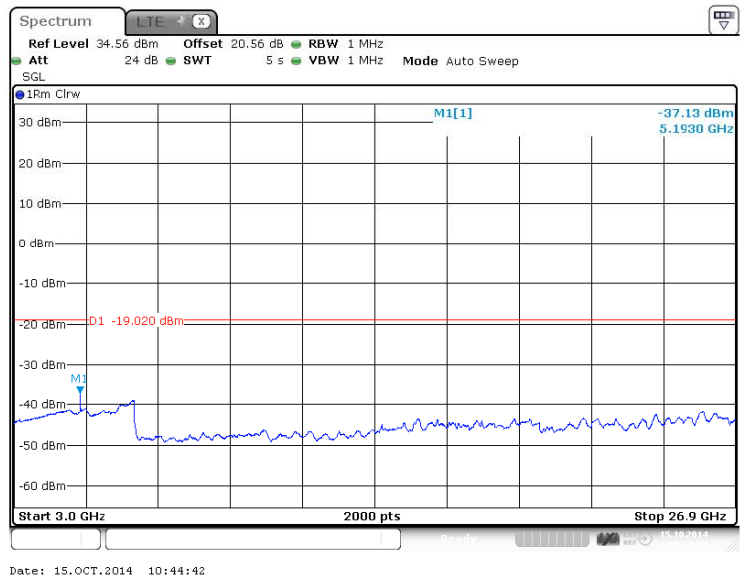
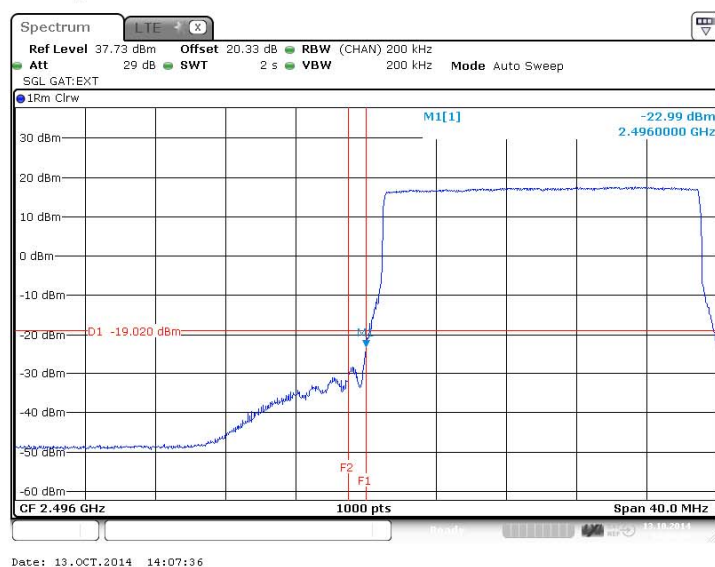


Figure 202 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz)
(20MHz Channel BW)

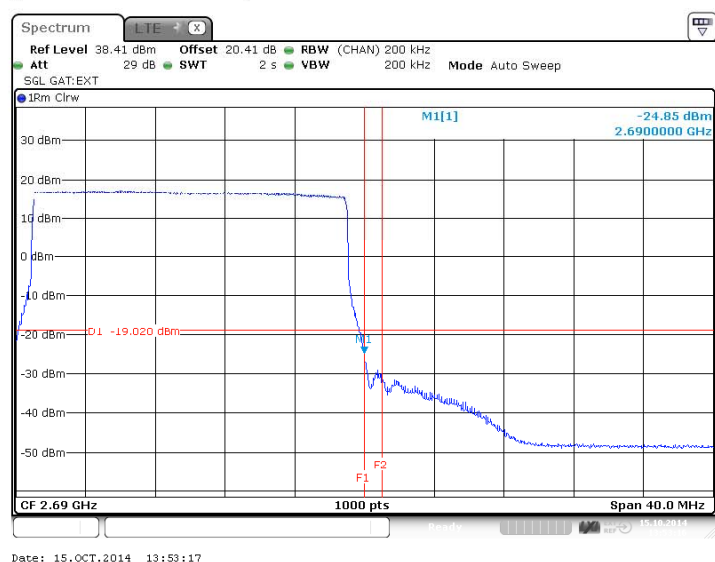


FCC ID:
VBNFWHD-01

Test Report No:
D522886124

Config E ANT1/Div:

**Figure 203 Spurious Emissions (Lower Band Edge) – QPSK (2506.0 MHz)
(20MHz Channel BW)**



**Figure 204 Spurious Emissions (Upper Band Edge) – QPSK (2680.0 MHz)
(20MHz Channel BW)**



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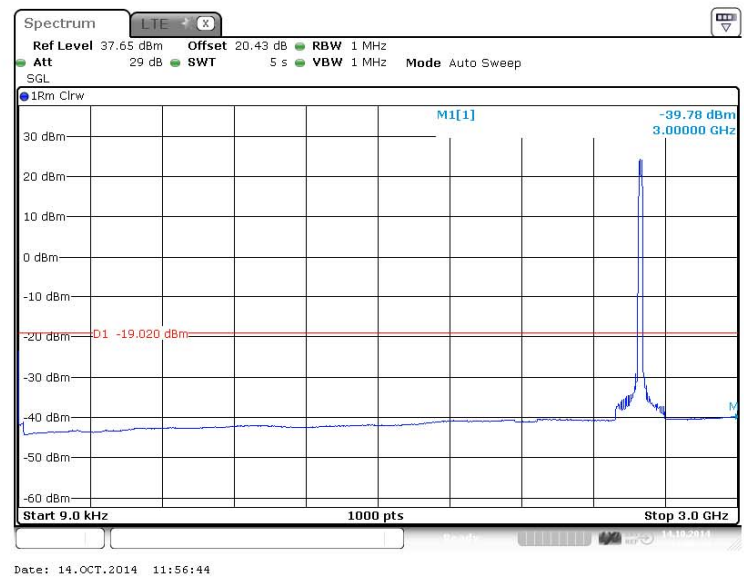


Figure 205 Spurious Emissions (9kHz – 3GHz) - QPSK (2593.0 MHz) (20MHz Channel BW)

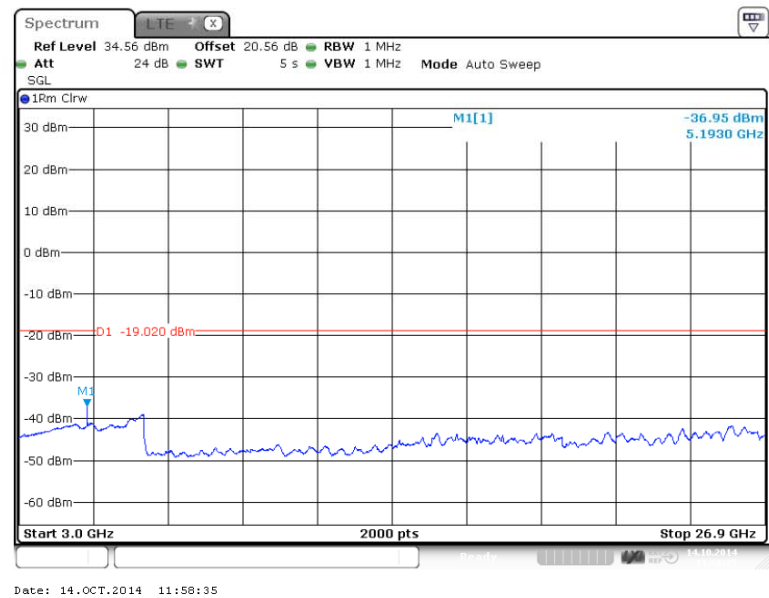


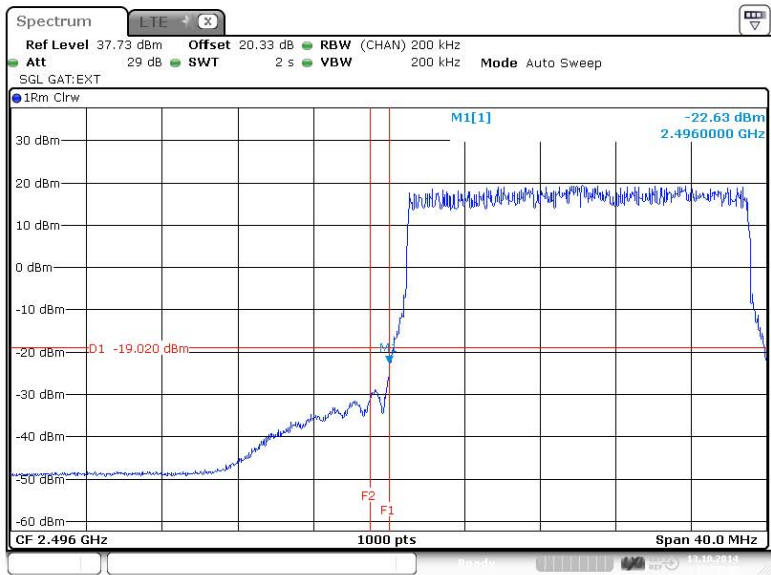
Figure 206 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (20MHz Channel BW)



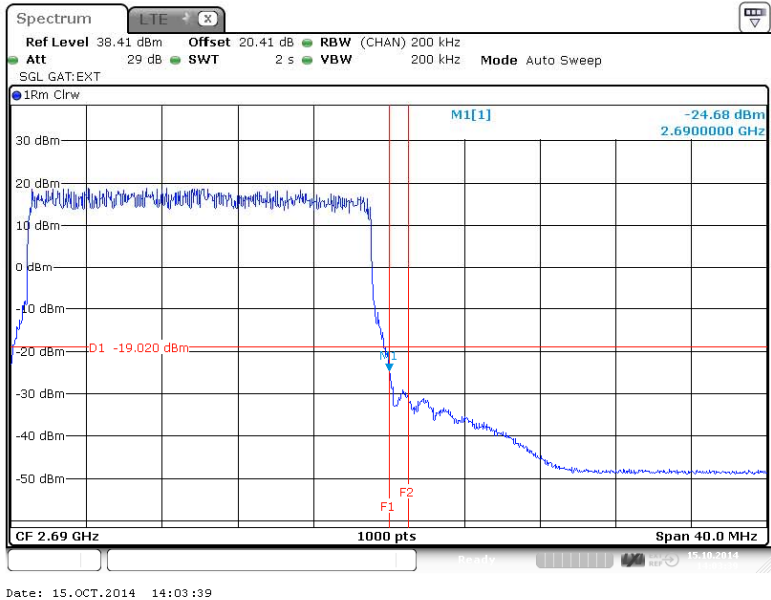
Product Service

FCC ID:
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Test Report No:
D522886124



**Figure 207 Spurious Emissions (Lower Band Edge) – 16QAM (2506.0 MHz)
(20MHz Channel BW)**



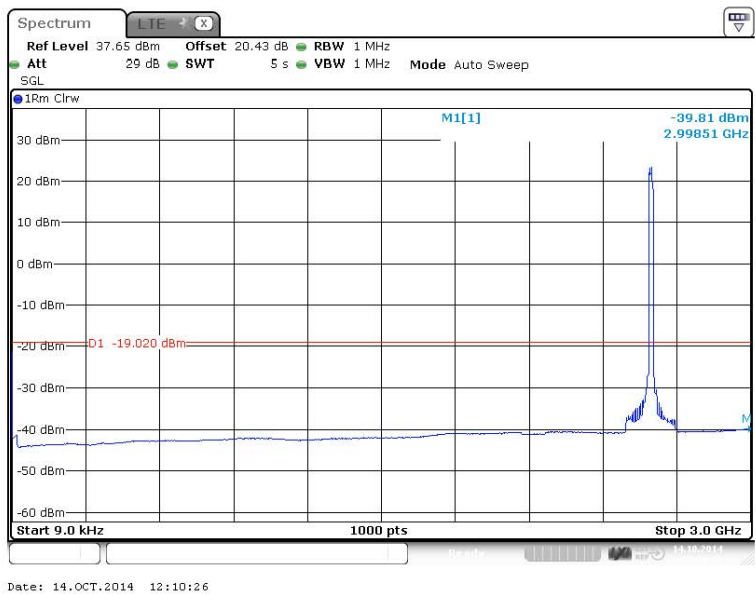
**Figure 208 Spurious Emissions (Upper Band Edge) – 16QAM (2680.0 MHz)
(20MHz Channel BW)**



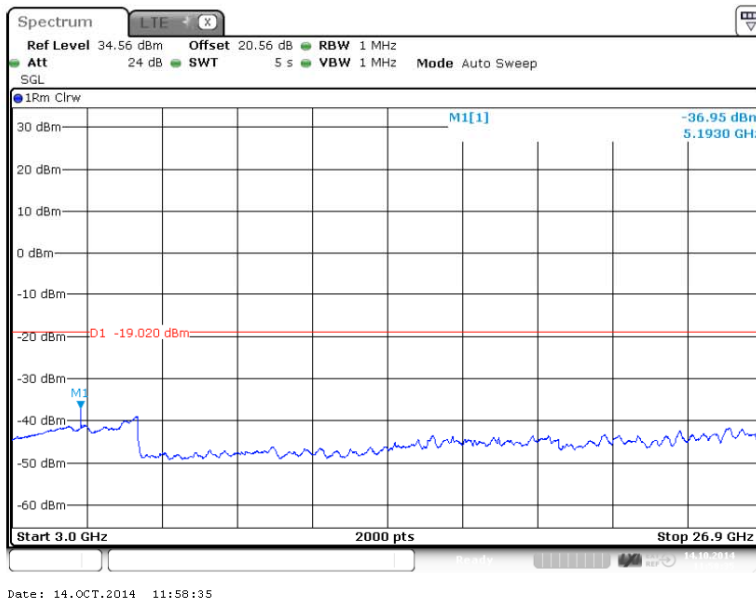
Product Service

FCC ID:
VBNFWHD-01

Test Report No:
D522886124



**Figure 209 Spurious Emissions (9kHz – 3GHz) – 16QAM (2593.0 MHz)
(20MHz Channel BW)**



**Figure 210 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz)
(20MHz Channel BW)**