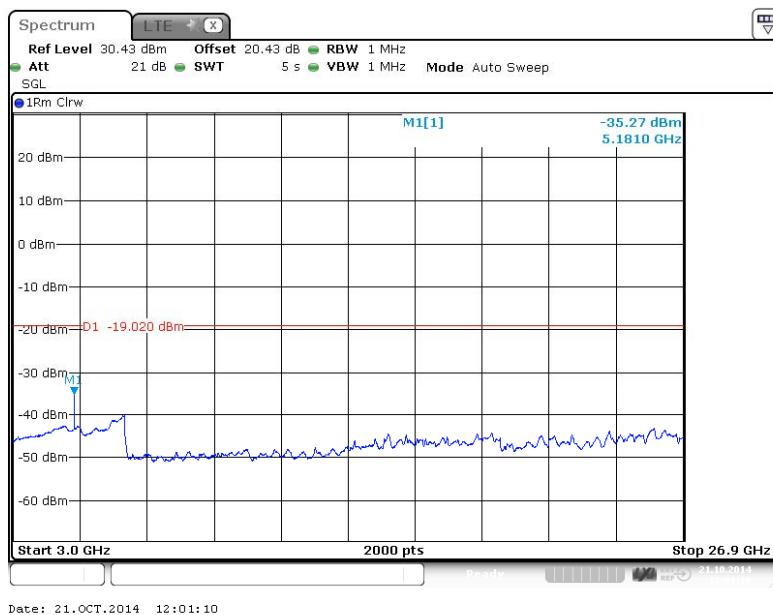




Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



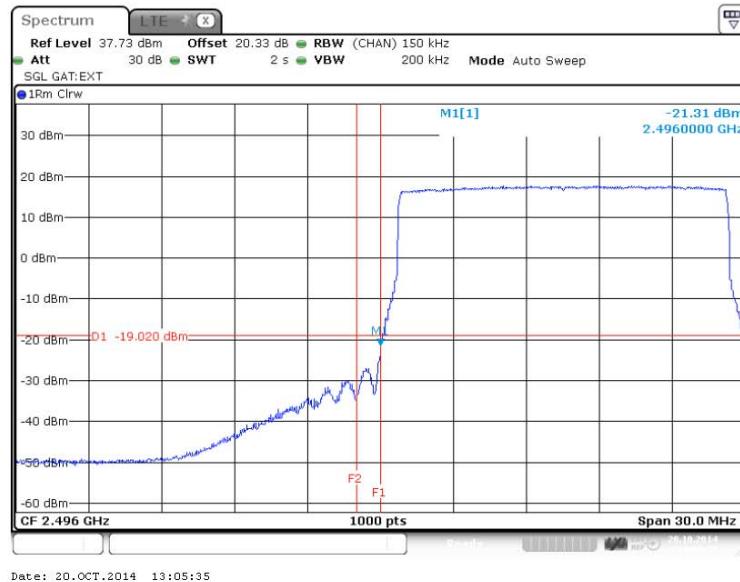
**Figure 142 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz)  
(15MHz Channel BW)**



Product Service

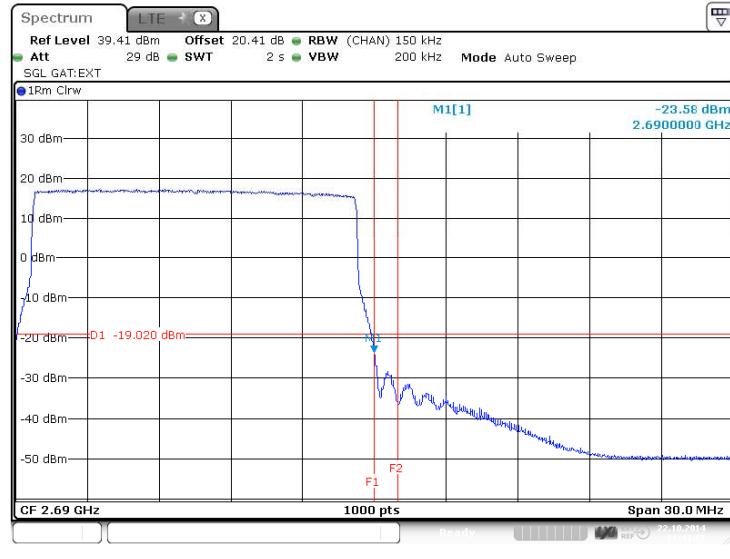
FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124

**Config C ANT2/Main:**

Date: 20.OCT.2014 13:05:35

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



Date: 22.OCT.2014 11:41:18

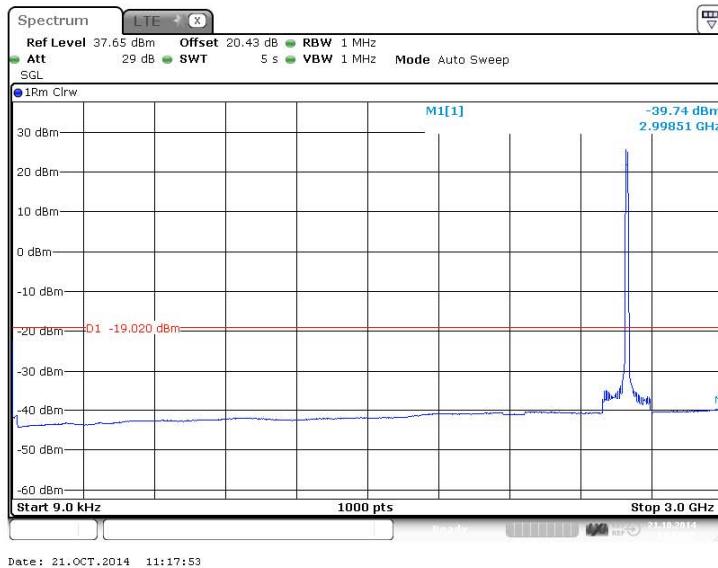
**Figure 144 Spurious Emissions (Upper Band Edge) – QPSK (2682.5 MHz) (15MHz Channel BW)**



Product Service

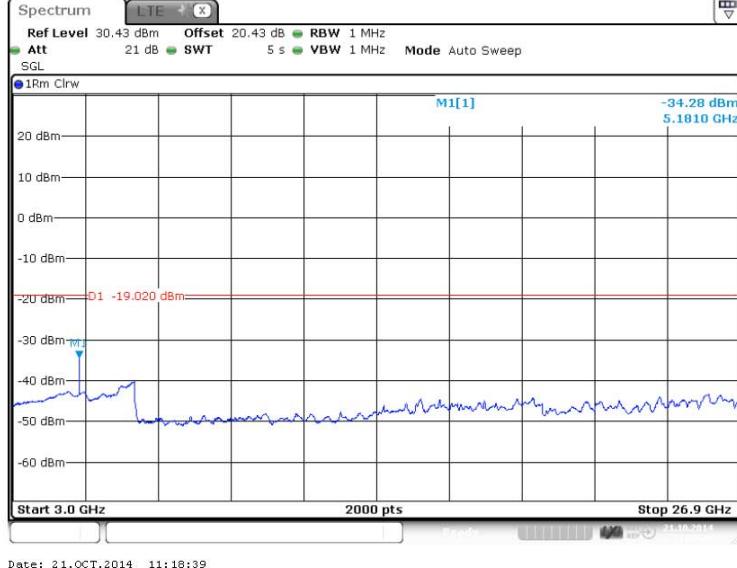
FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



Date: 21.OCT.2014 11:17:53

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



Date: 21.OCT.2014 11:18:39

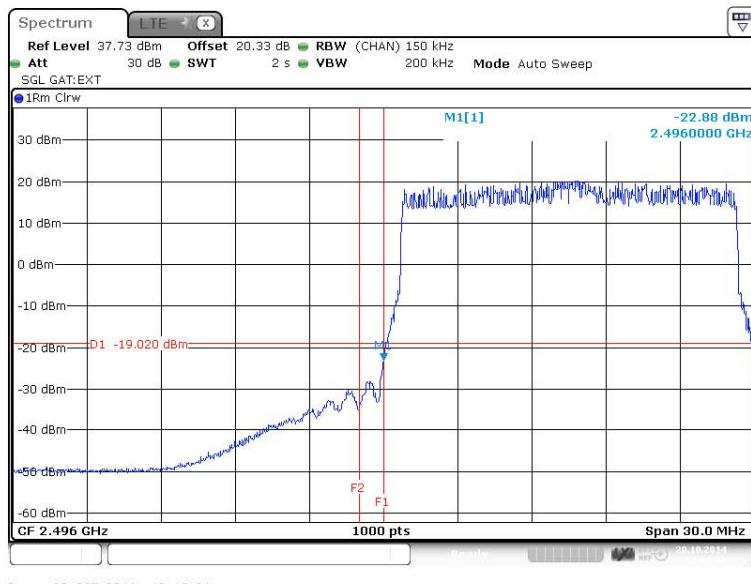
**Figure 146 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (15MHz Channel BW)**



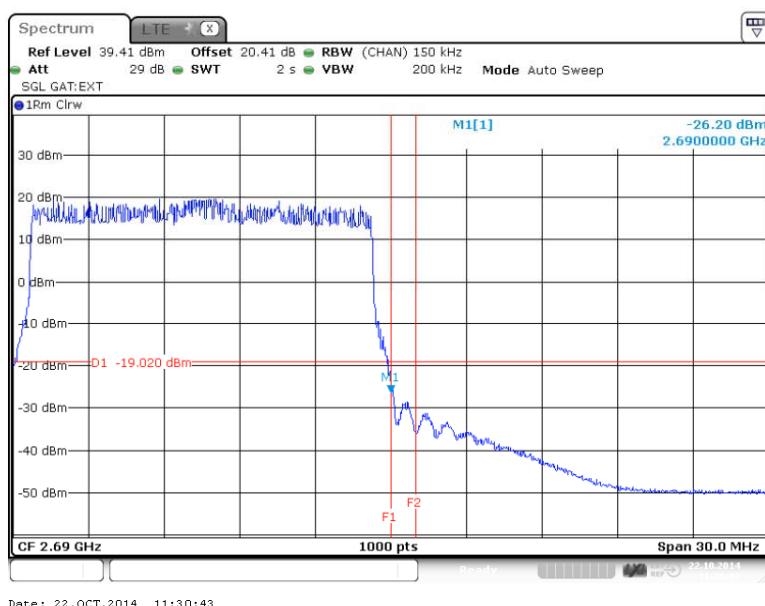
Product Service

FCC ID:  
VBNFWHHD-01

Test Report No:  
D522886124



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



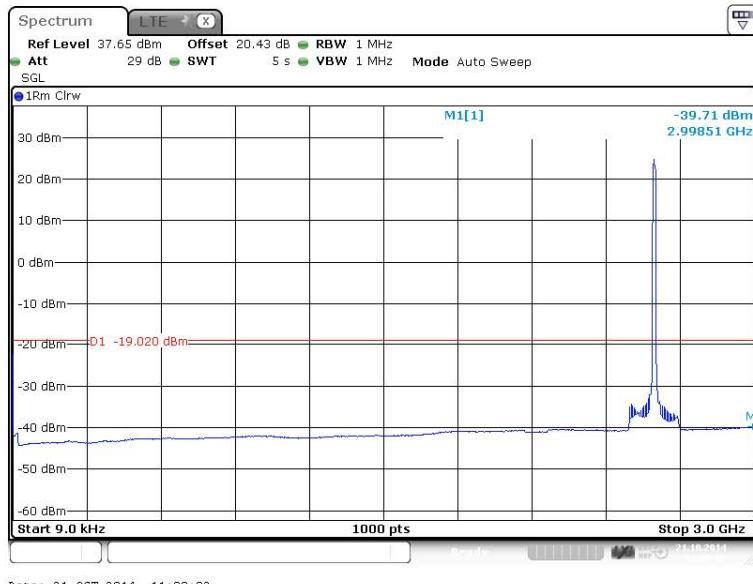
**Figure 148 Spurious Emissions (Upper Band Edge) – 16QAM (2682.5 MHz) (15MHz Channel BW)**



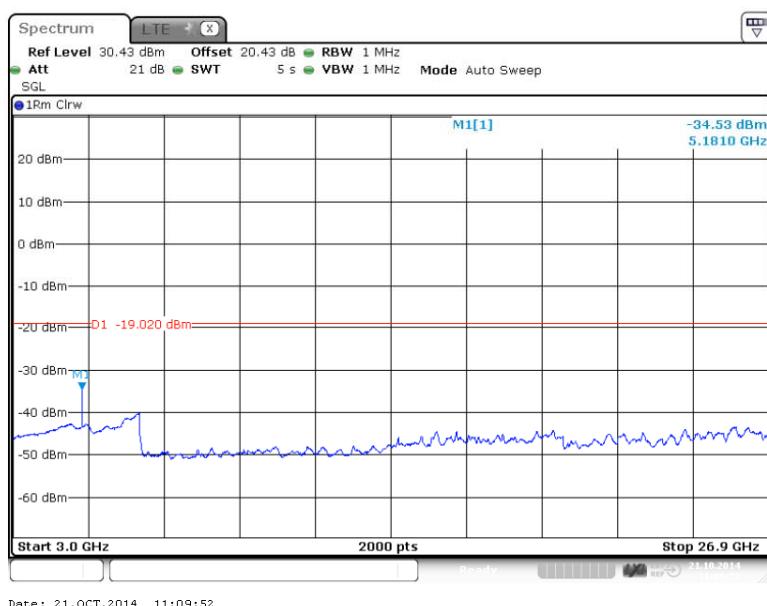
Product Service

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)**



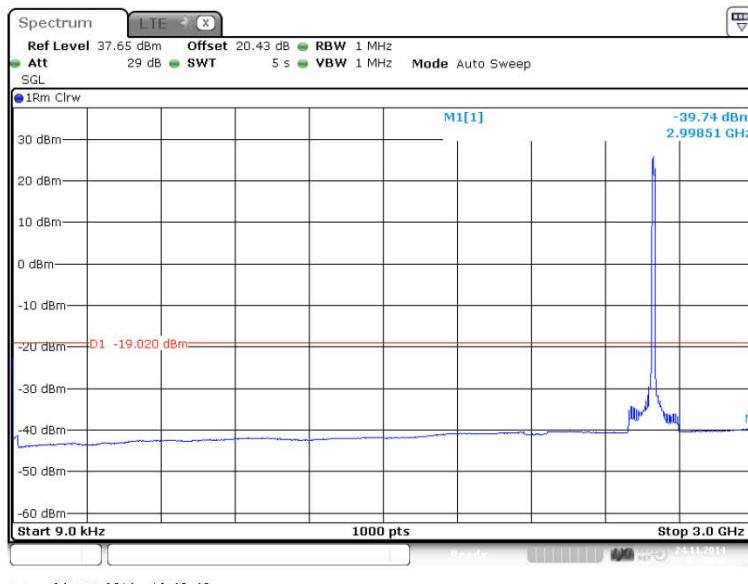
**Figure 152 Spurious Emissions (Upper Band Edge) – 64QAM (2682.5 MHz) (15MHz Channel BW)**



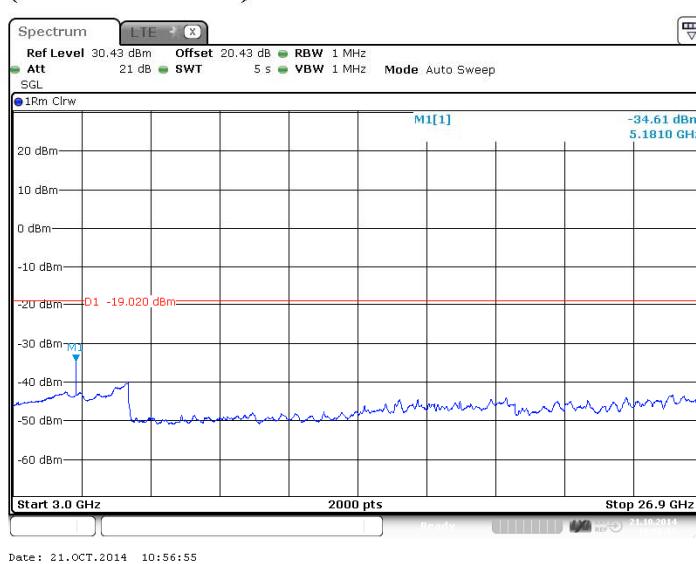
Product Service

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

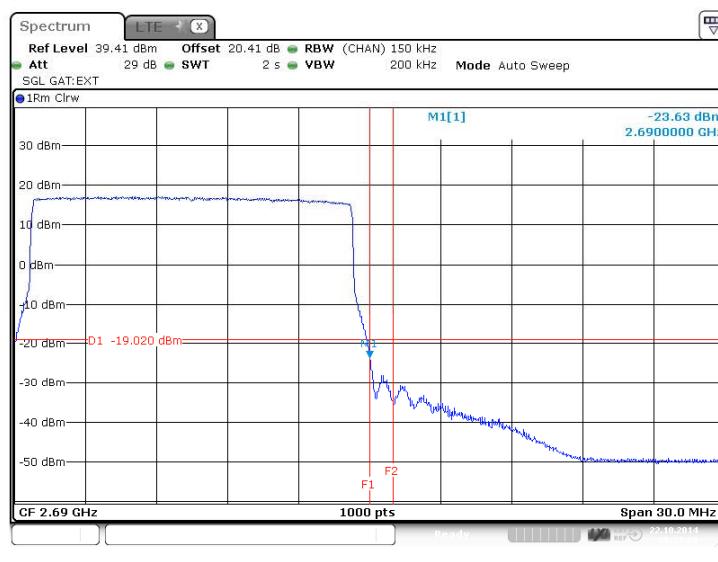
FCC ID:  
VBNFWHD-01

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

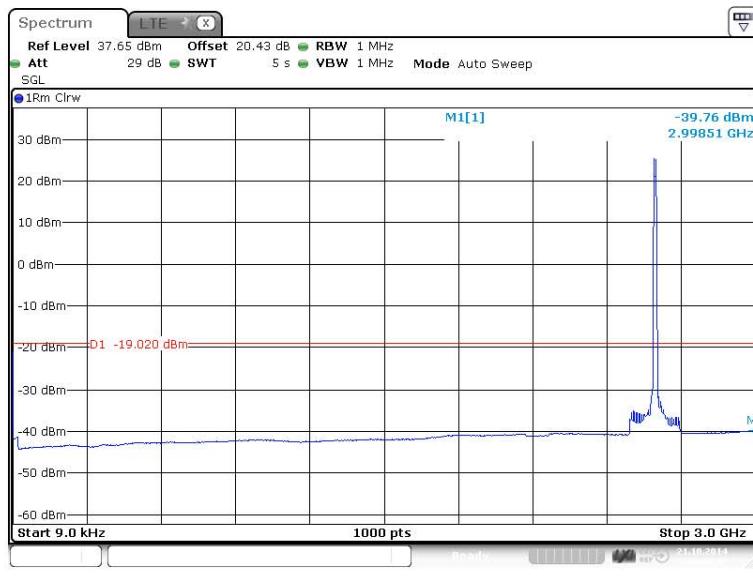
**Figure 156 Spurious Emissions (Upper Band Edge) – QPSK (2682.5 MHz) (15MHz Channel BW)**



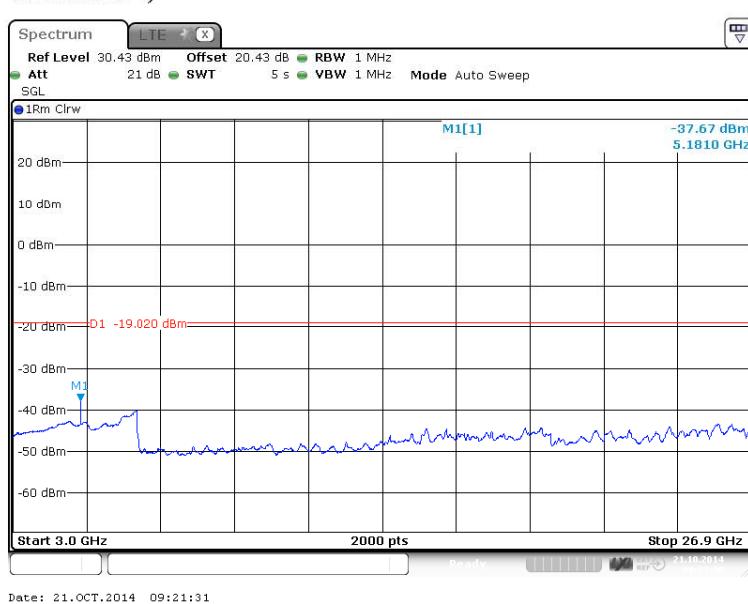
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



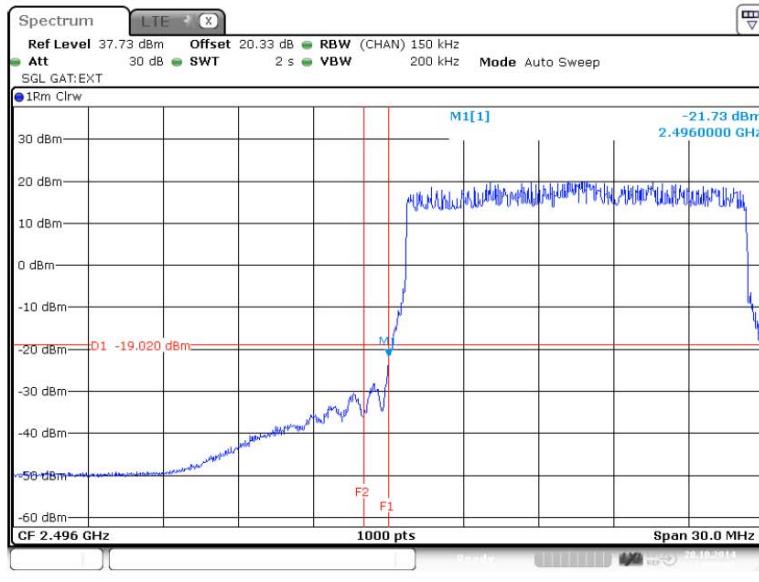
**Figure 158 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (15MHz Channel BW)**



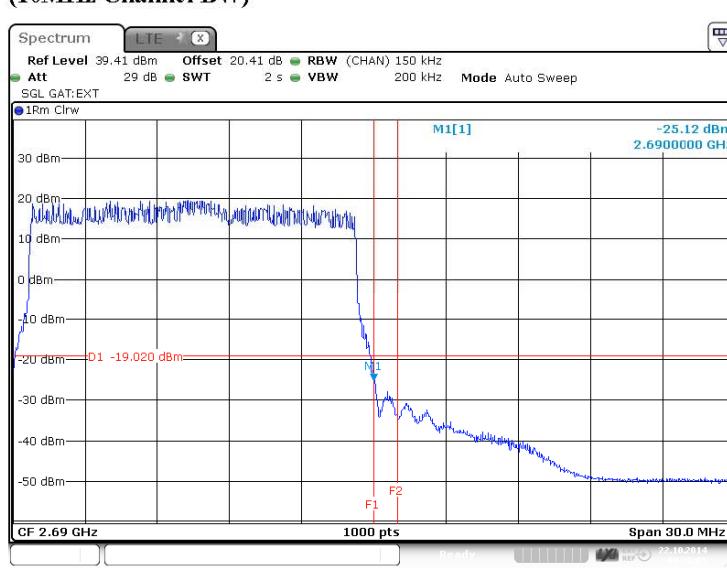
Product Service

FCC ID:  
VBNFWHHD-01

Test Report No:  
D522886124



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



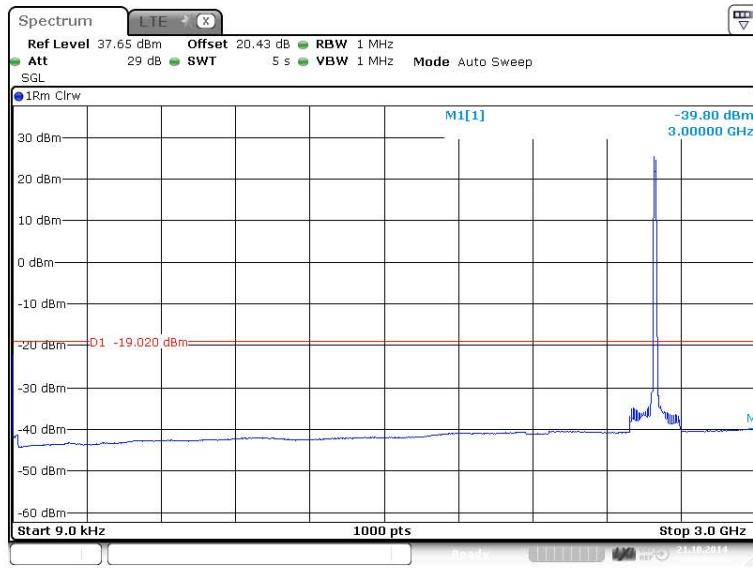
**Figure 160 Spurious Emissions (Upper Band Edge) – 16QAM (2682.5 MHz) (10MHz Channel BW)**



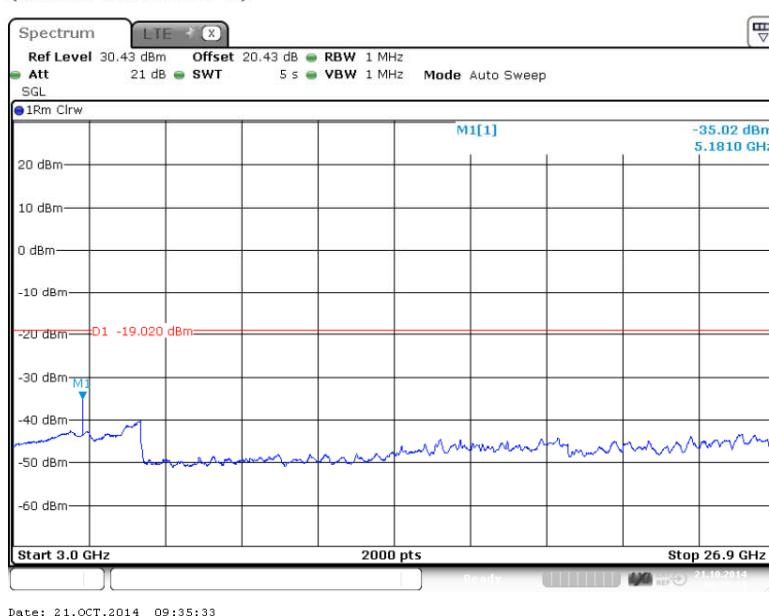
Product Service

FCC ID:  
VBNFWHHD-01

Test Report No:  
D522886124



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



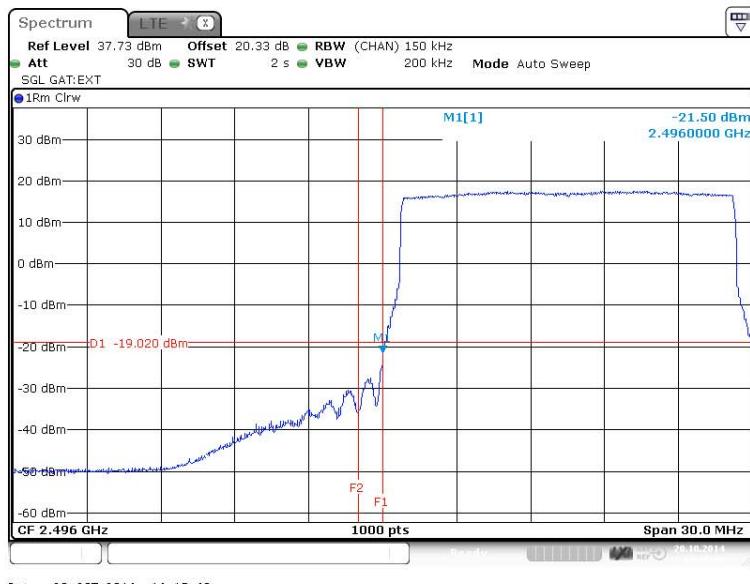
**Figure 162 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz) (10MHz Channel BW)**



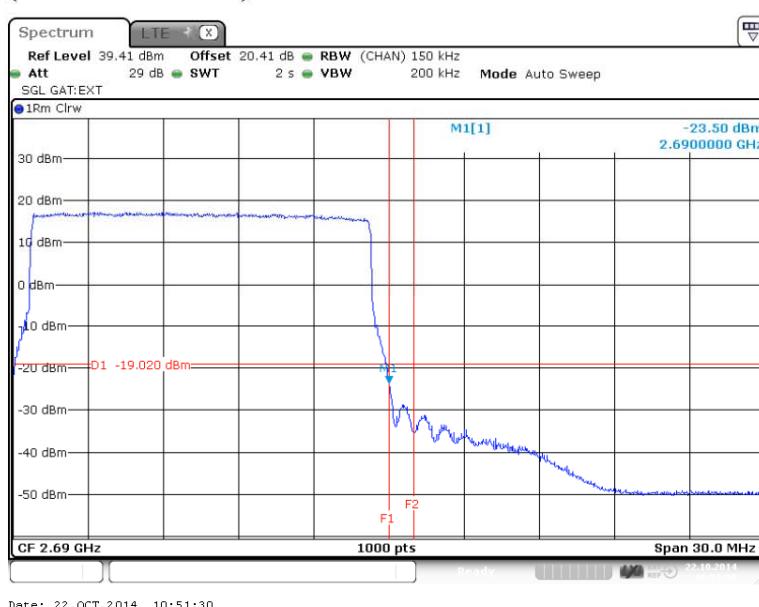
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



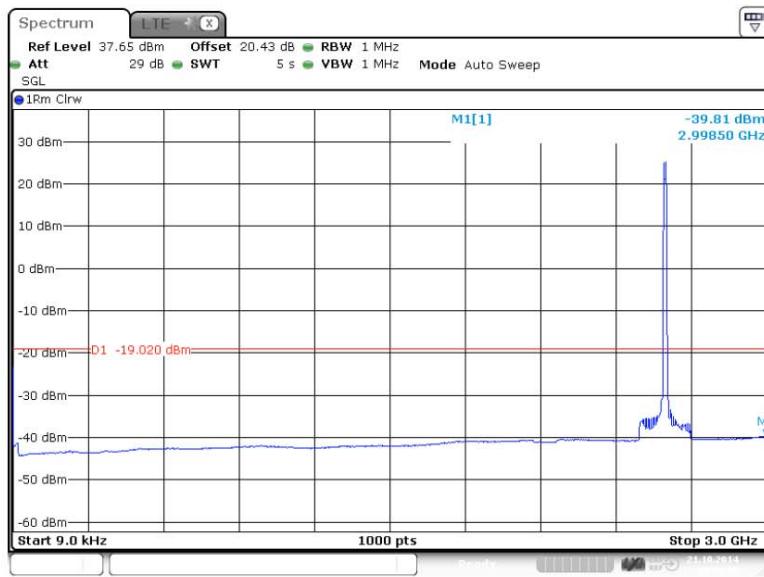
**Figure 164 Spurious Emissions (Upper Band Edge) – 64QAM (2682.5.0 MHz) (15MHz Channel BW)**



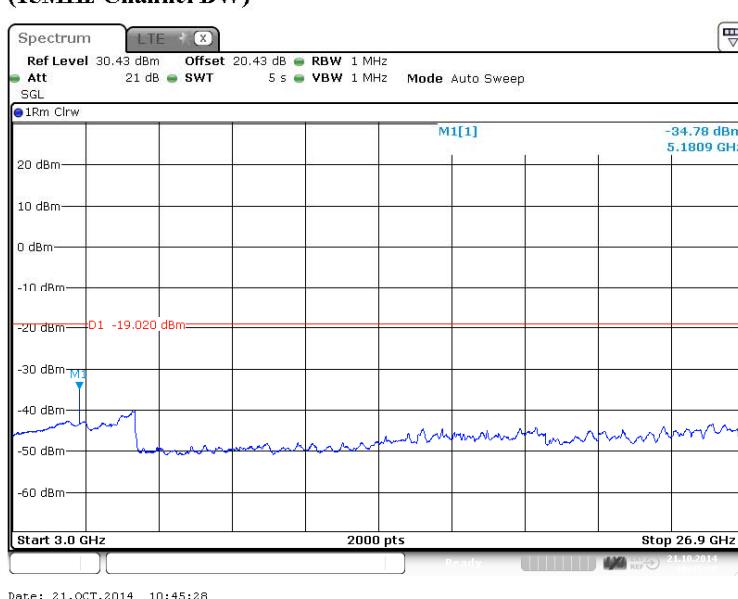
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



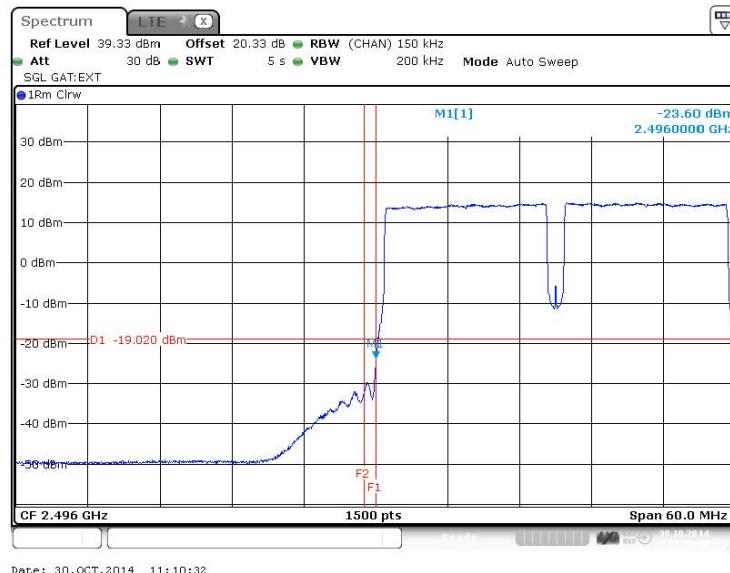
**Figure 166 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz) (15MHz Channel BW)**



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)**



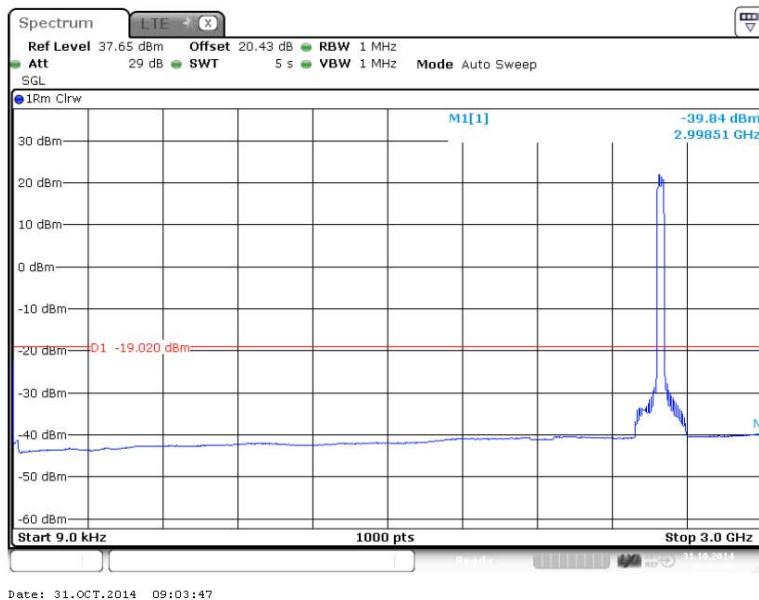
**Figure 168 Spurious Emissions (Upper Band Edge) – QPSK (2667.5/2682.5 MHz) (15MHz Channel BW)**



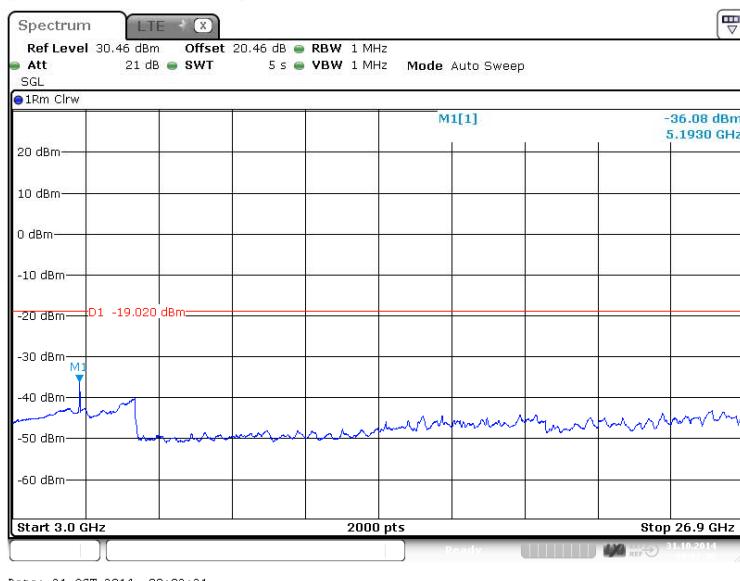
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



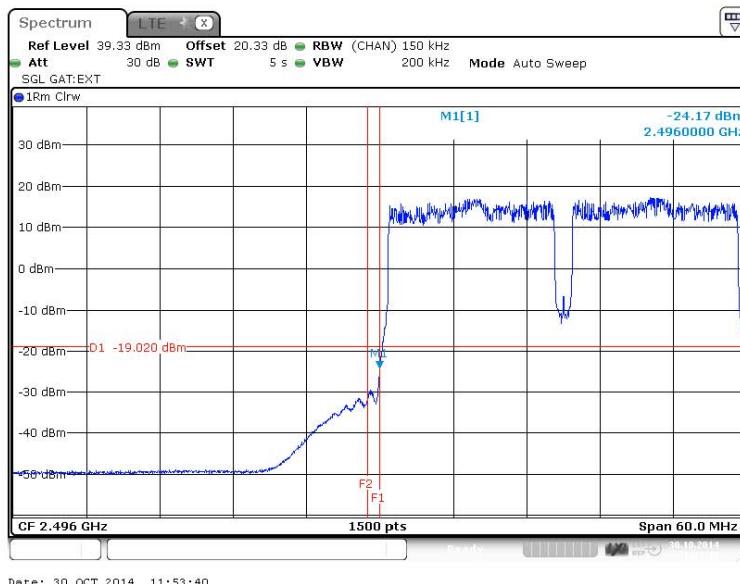
**Figure 170 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2585.5/2600.5 MHz) (15MHz Channel BW)**



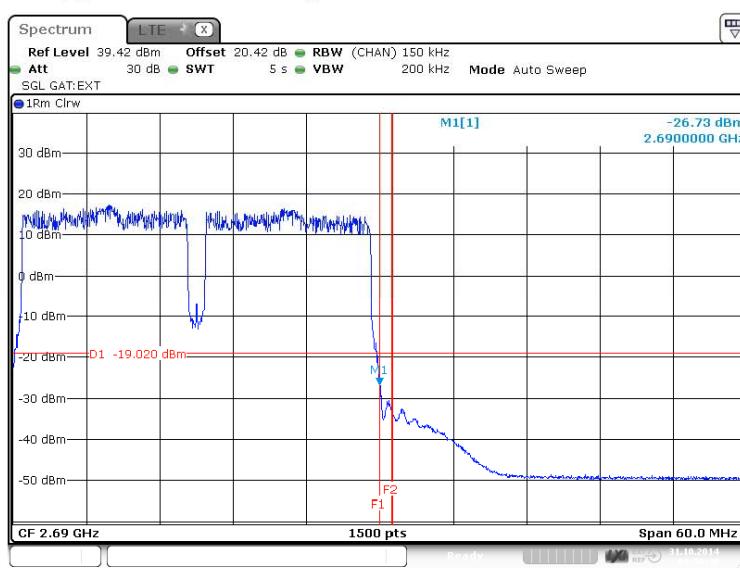
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



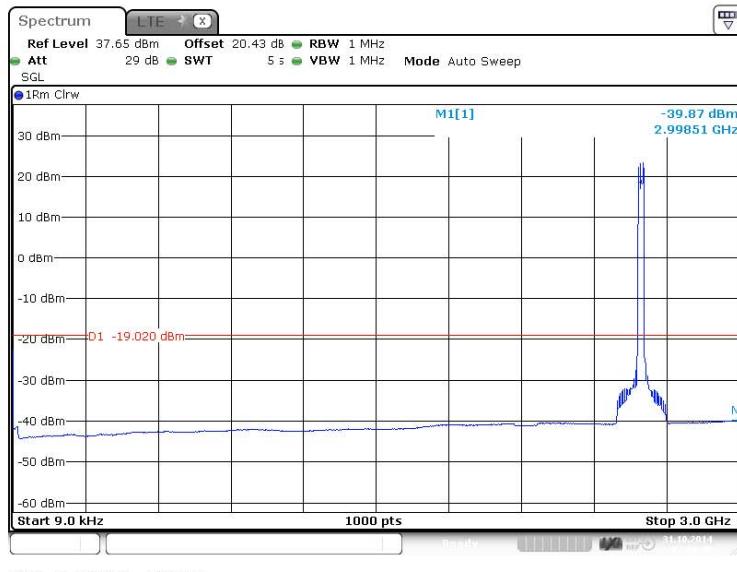
**Figure 172 Spurious Emissions (Upper Band Edge) – 16QAM (2667.5/2682.5 MHz) (15MHz Channel BW)**



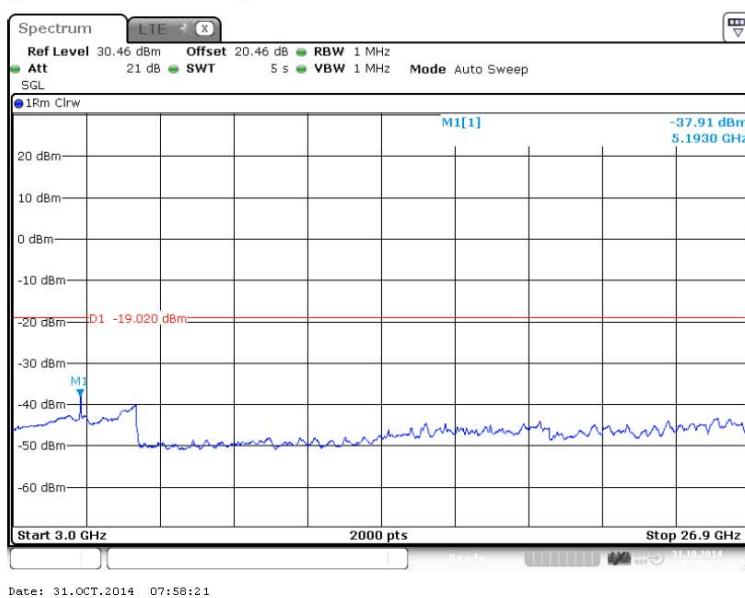
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



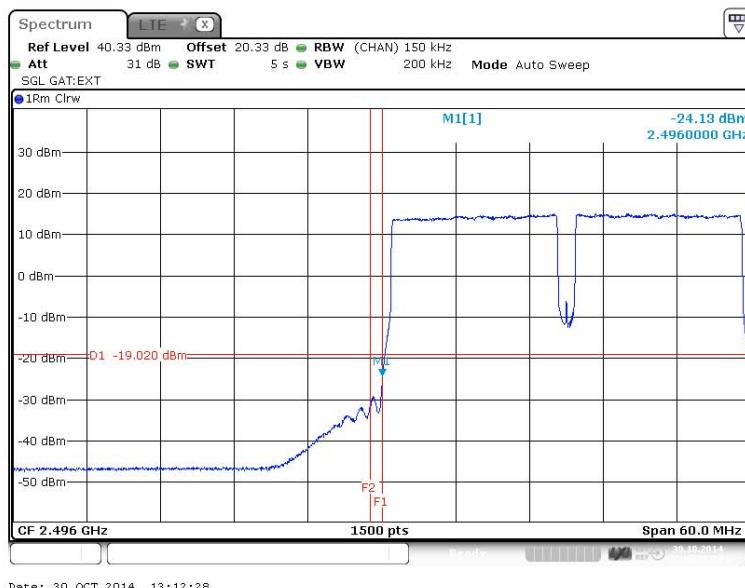
**Figure 174 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2585.5/2600.5 MHz) (15MHz Channel BW)**



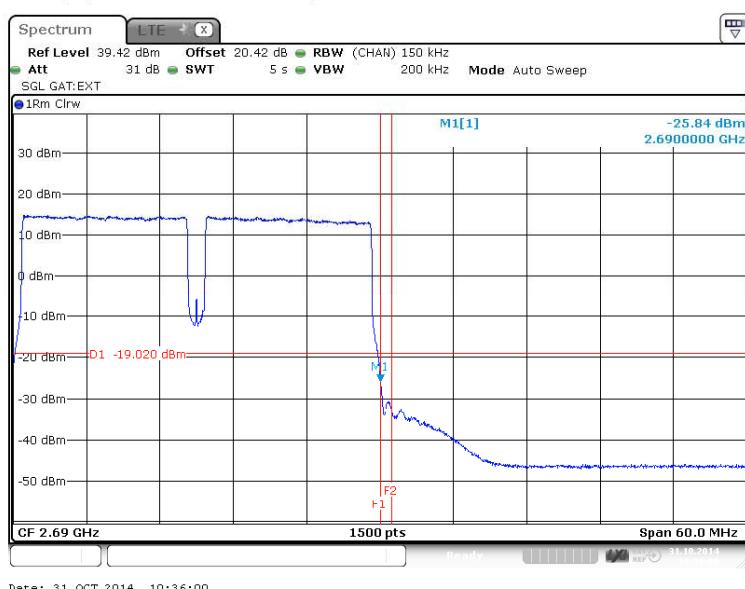
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



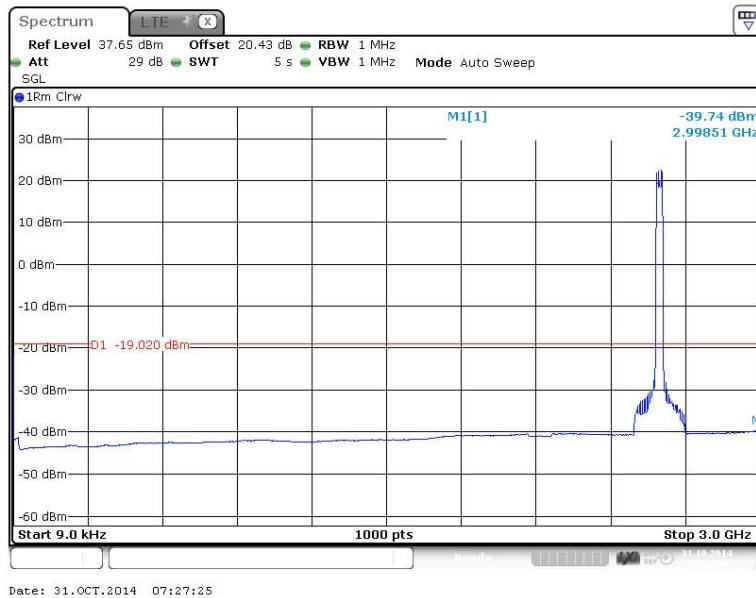
**Figure 176 Spurious Emissions (Upper Band Edge) – 64QAM ((2667.5/2682.5 MHz) (15MHz Channel BW)**



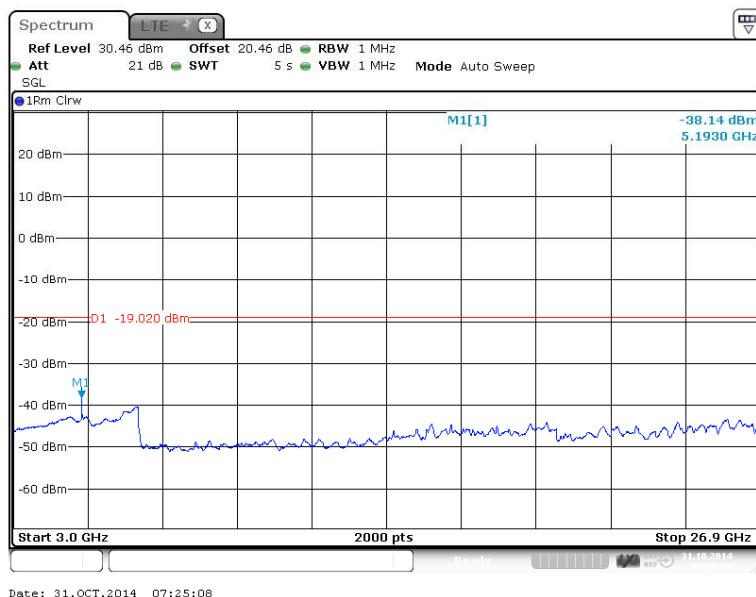
Product Service

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)**



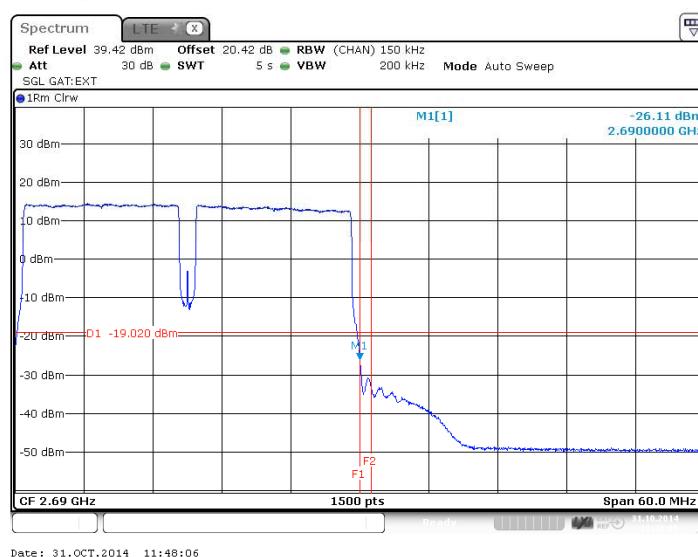
Product Service

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)**



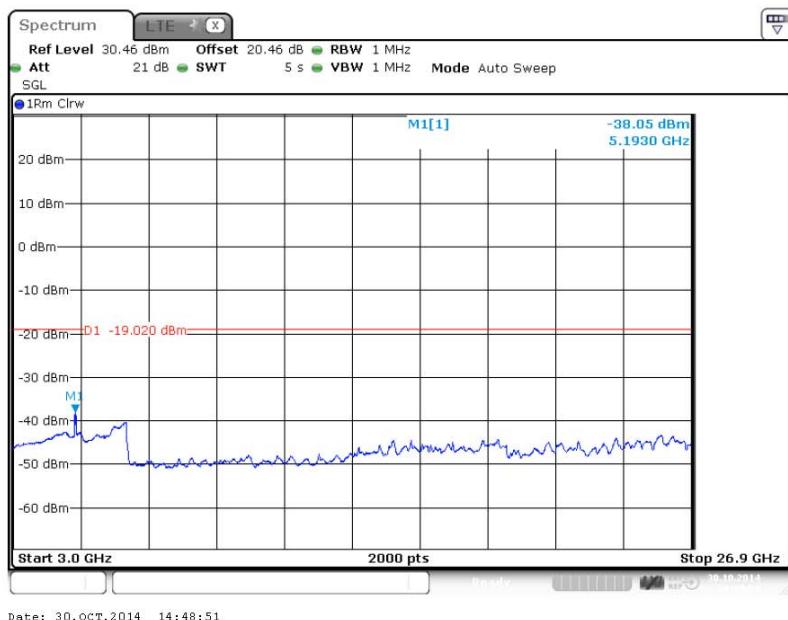
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



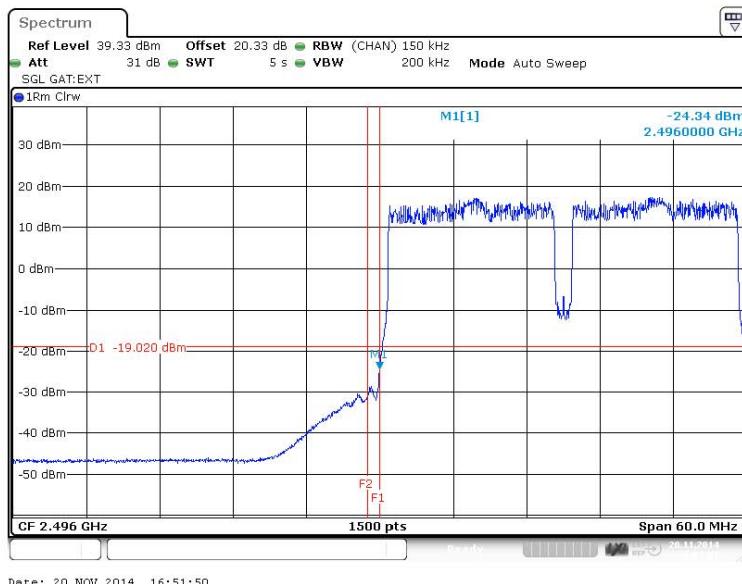
**Figure 182 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2585.5/2600.5 MHz) (15MHz Channel BW)**



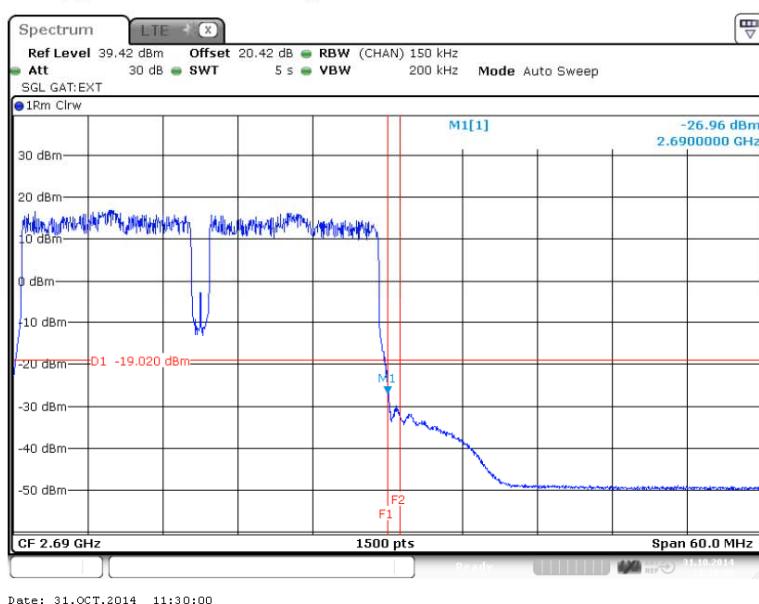
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



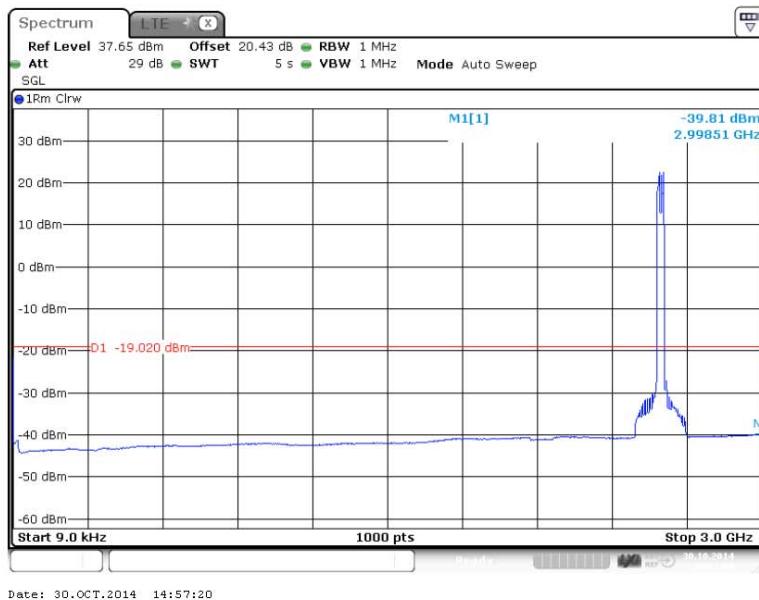
**Figure 184 Spurious Emissions (Upper Band Edge) – 16QAM ((2667.5/2682.5 MHz) (15MHz Channel BW)**



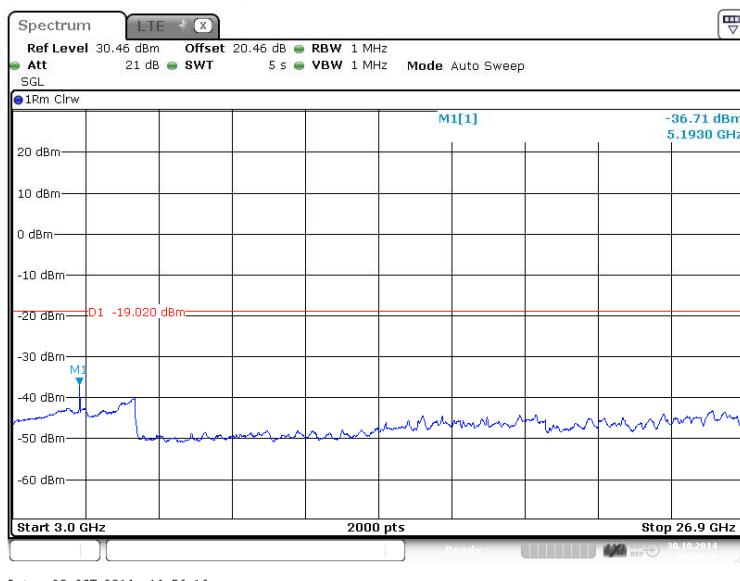
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



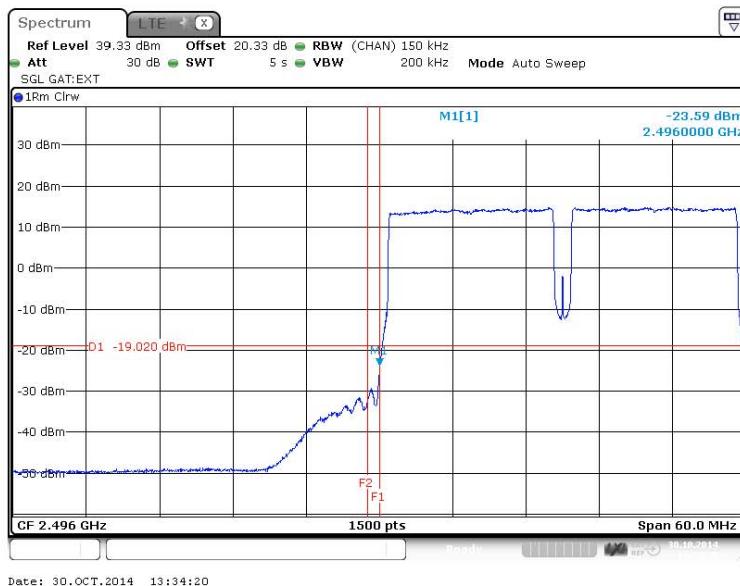
**Figure 186 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2585.5/2600.5 MHz) (15MHz Channel BW)**



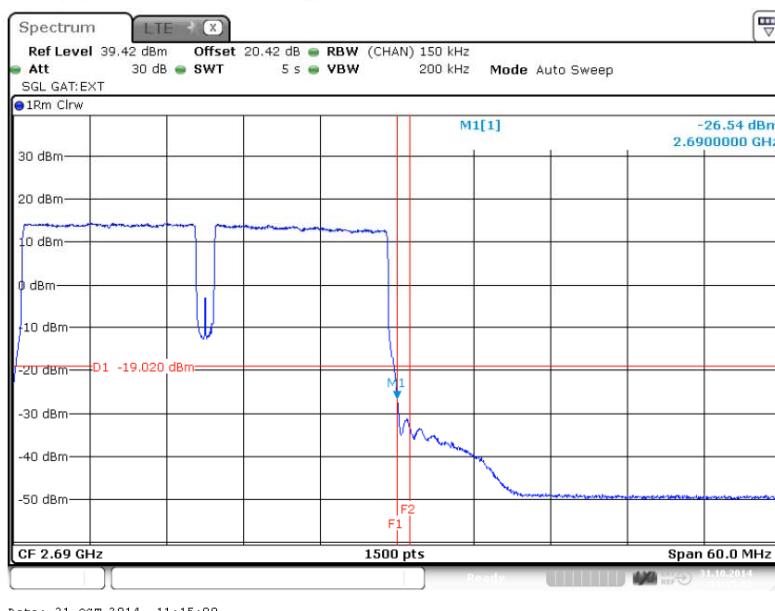
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



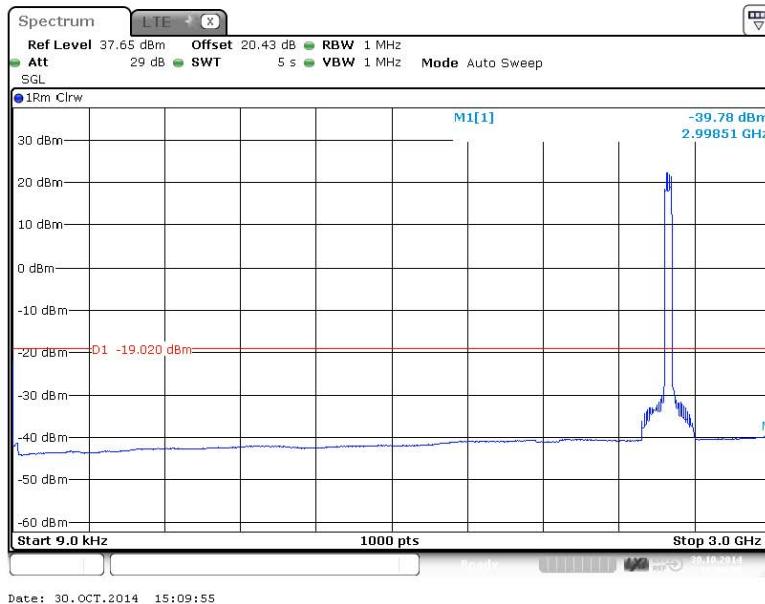
**Figure 188 Spurious Emissions (Upper Band Edge) – 64QAM ((2667.5/2682.5 MHz) (15MHz Channel BW)**



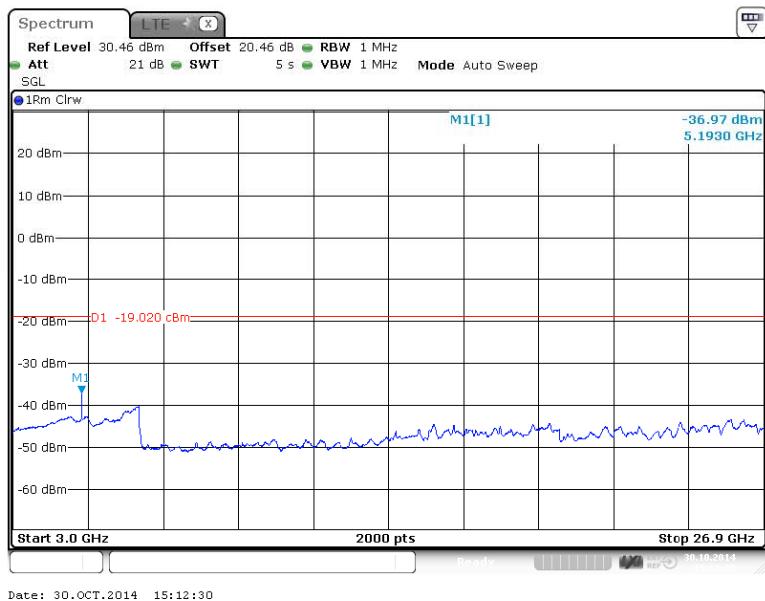
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



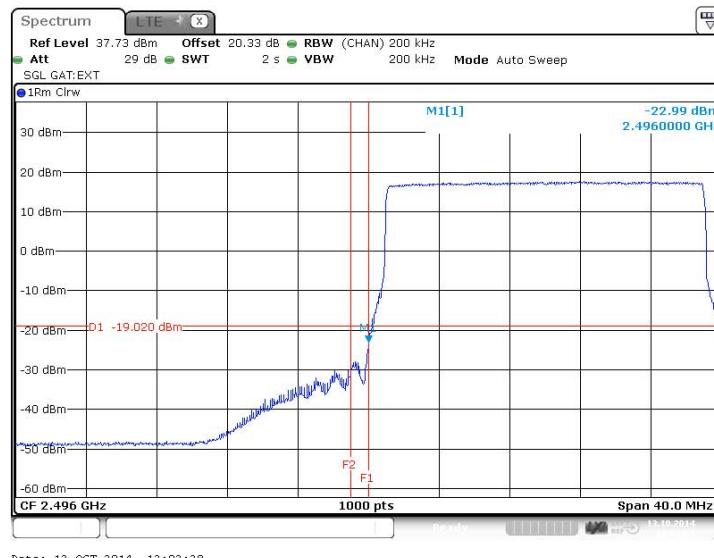
**Figure 190 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2585.5/2600.5 MHz) (15MHz Channel BW)**



Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124

**Config E ANT1/Main:**

Date: 13.OCT.2014 12:02:28

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



Date: 15.OCT.2014 12:04:53

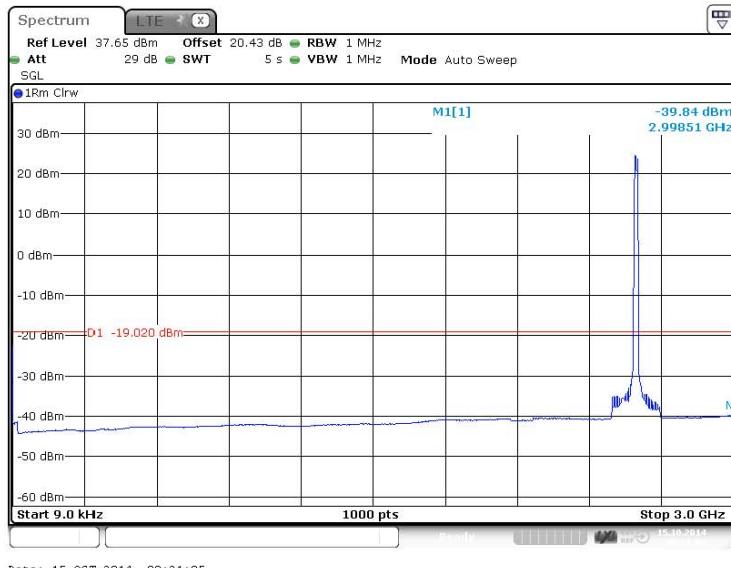
**Figure 192 Spurious Emissions (Upper Band Edge) – QPSK (2680.0 MHz) (20MHz Channel BW)**



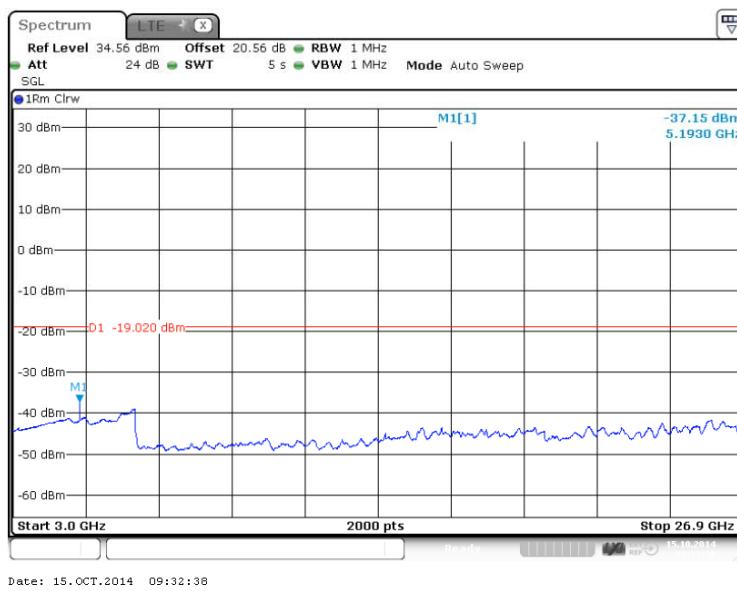
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



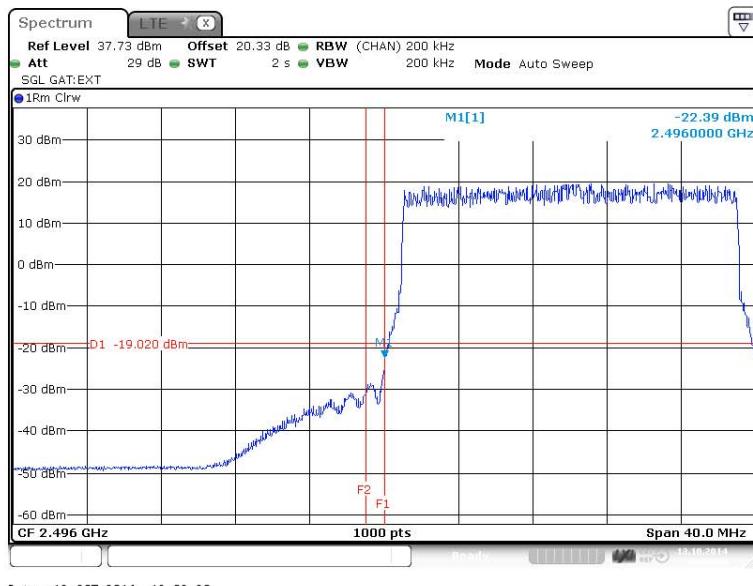
**Figure 194 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (20MHz Channel BW)**



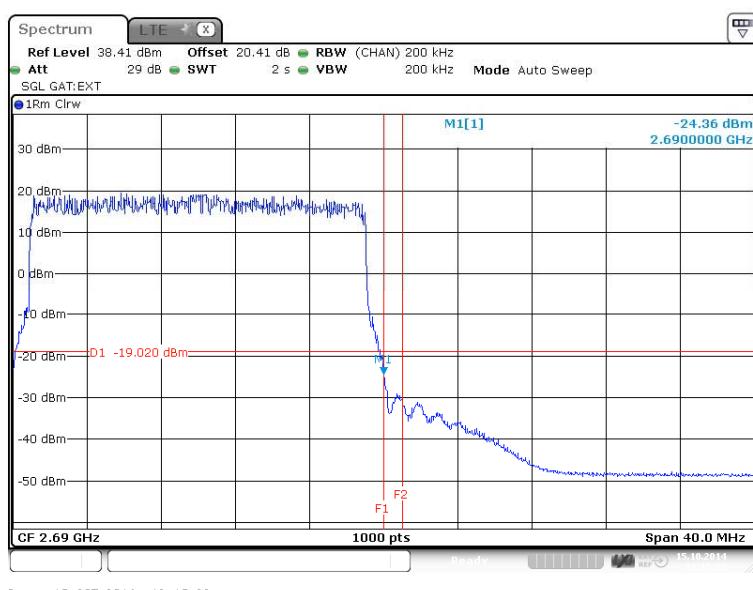
## Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



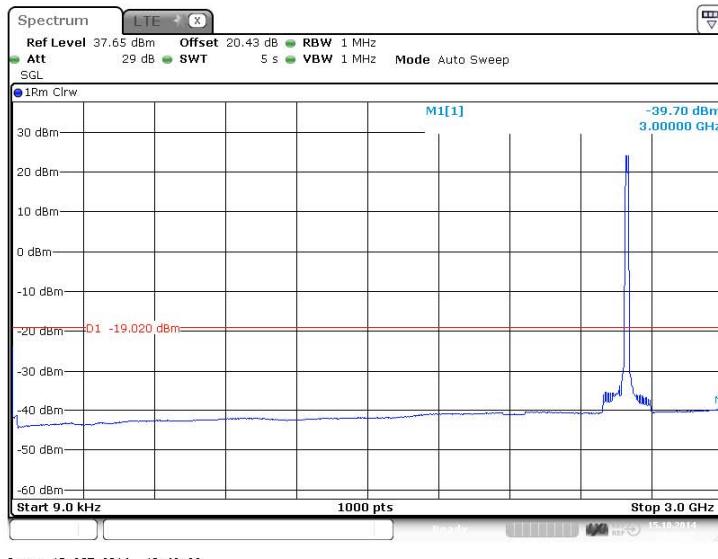
**Figure 196 Spurious Emissions (Upper Band Edge) – 16QAM (2680.0 MHz) (20MHz Channel BW)**



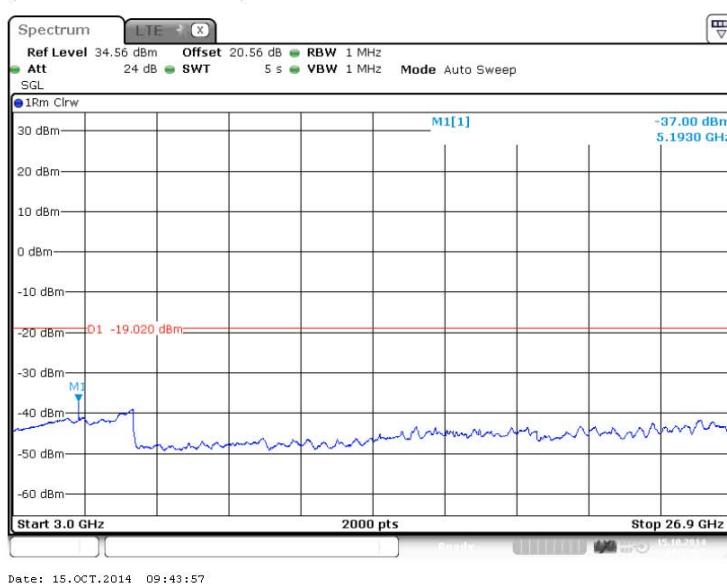
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



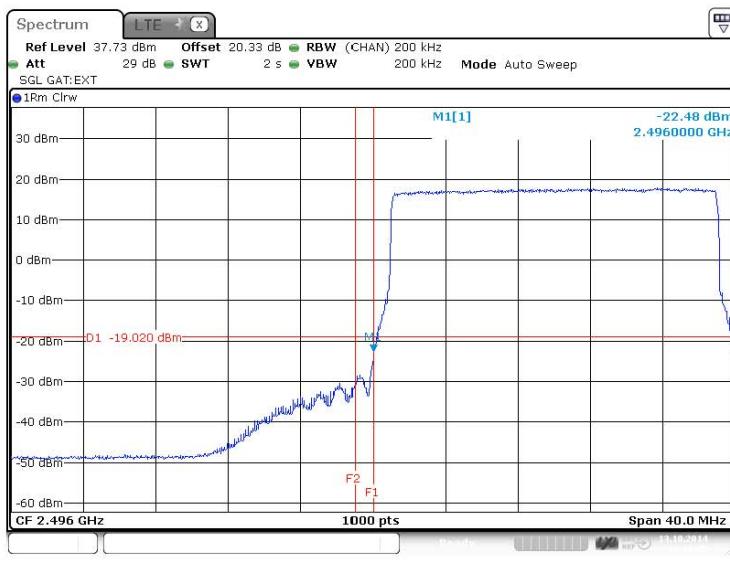
**Figure 198 Spurious Emissions (3GHz – 26.900GHz) – 16QAM (2593.0 MHz) (20MHz Channel BW)**



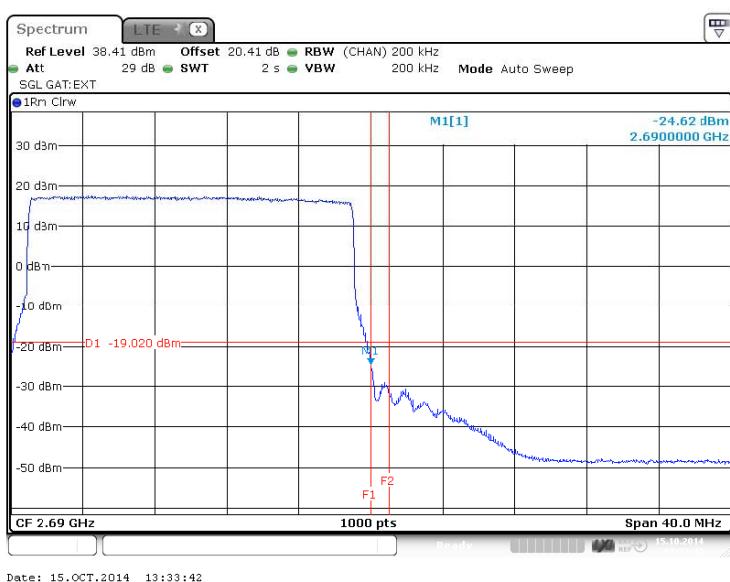
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



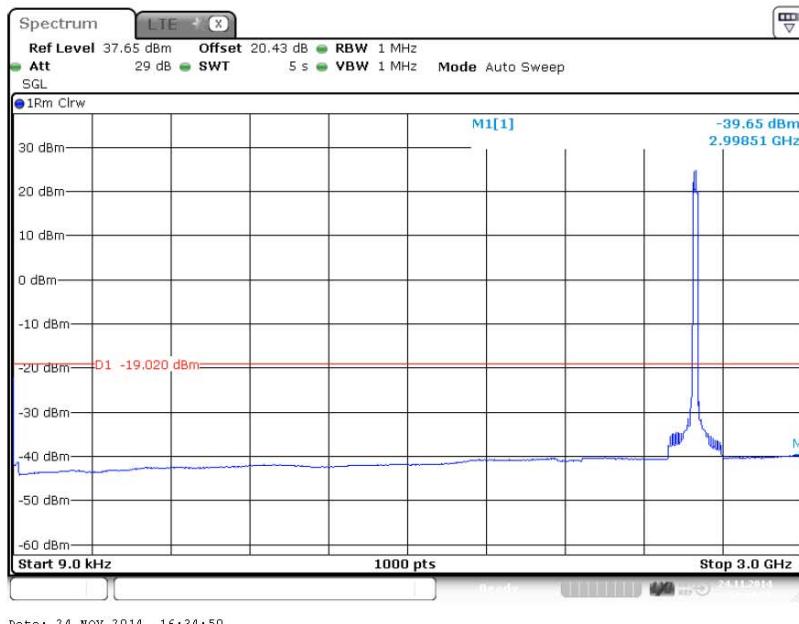
**Figure 200 Spurious Emissions (Upper Band Edge) – 64QAM (2680.0 MHz) (20MHz Channel BW)**



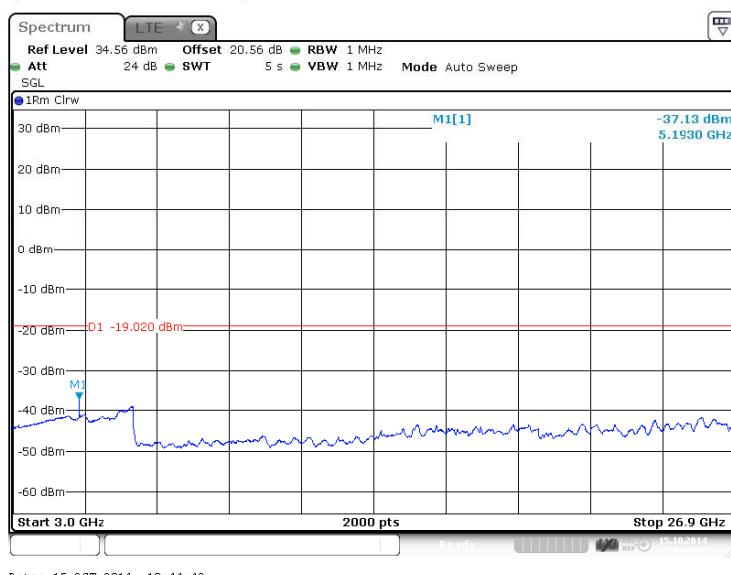
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



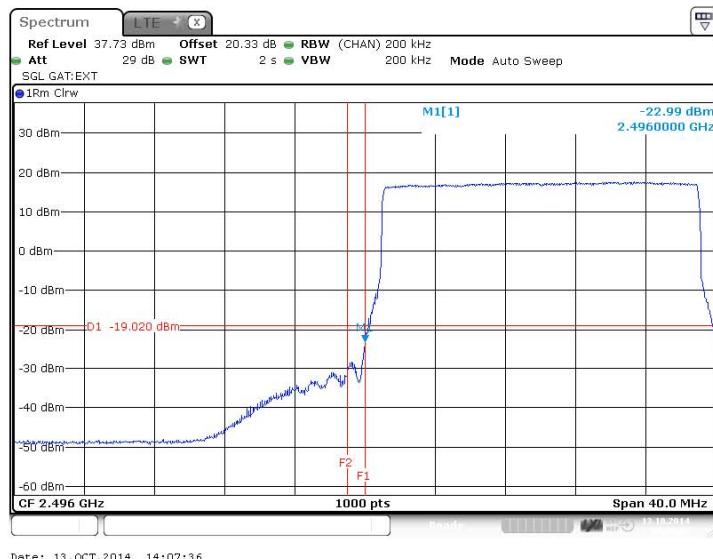
**Figure 202 Spurious Emissions (3GHz – 26.900GHz) – 64QAM (2593.0 MHz) (20MHz Channel BW)**



Product Service

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)**



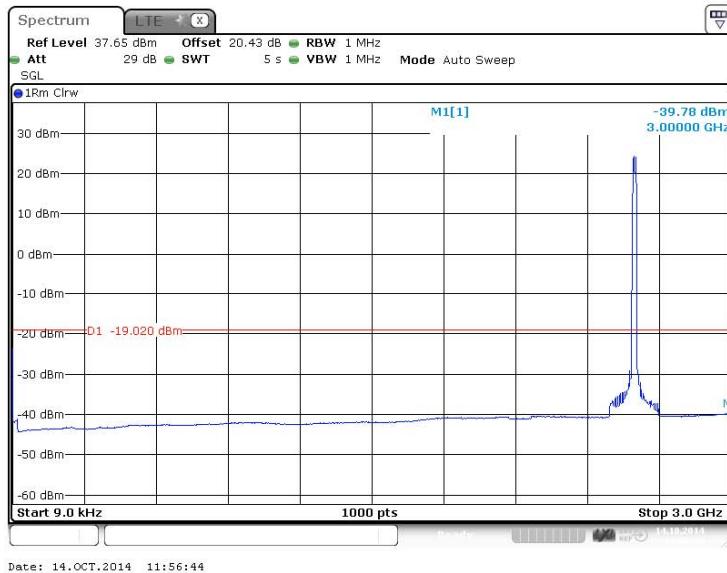
**Figure 204 Spurious Emissions (Upper Band Edge) – QPSK (2680.0 MHz) (20MHz Channel BW)**



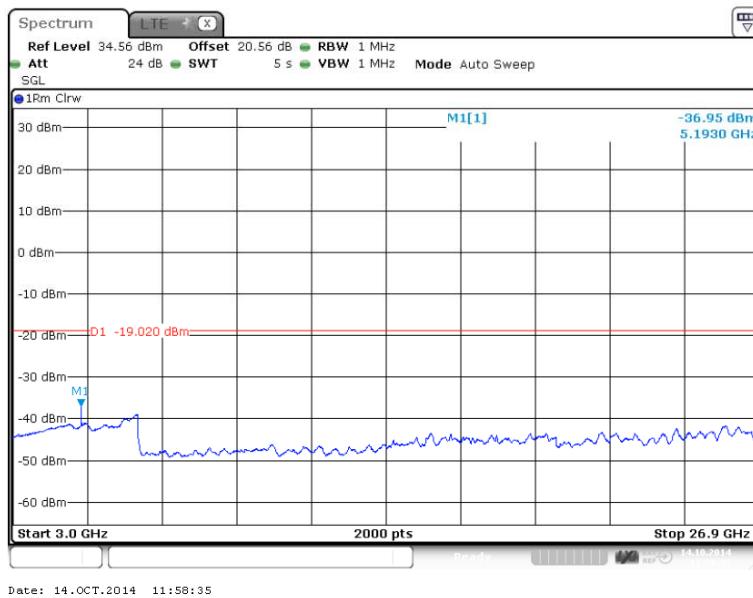
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



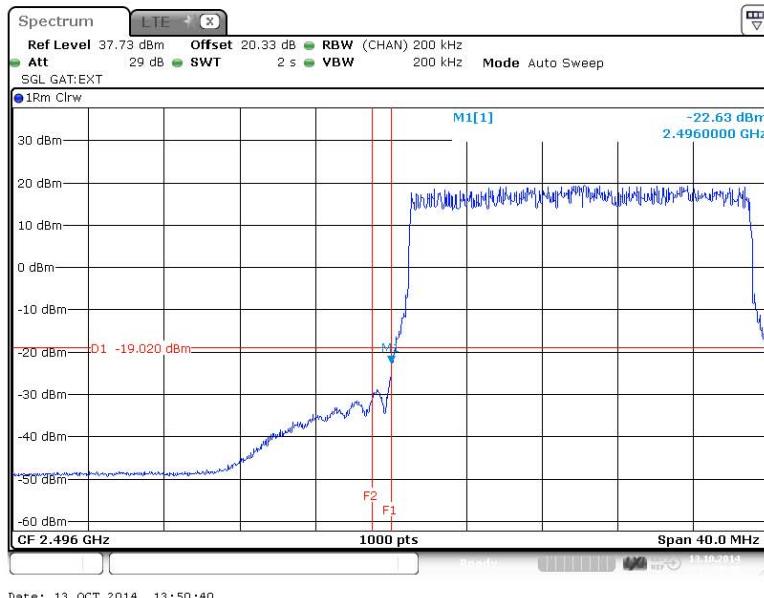
**Figure 206 Spurious Emissions (3GHz – 26.900GHz) – QPSK (2593.0 MHz) (20MHz Channel BW)**



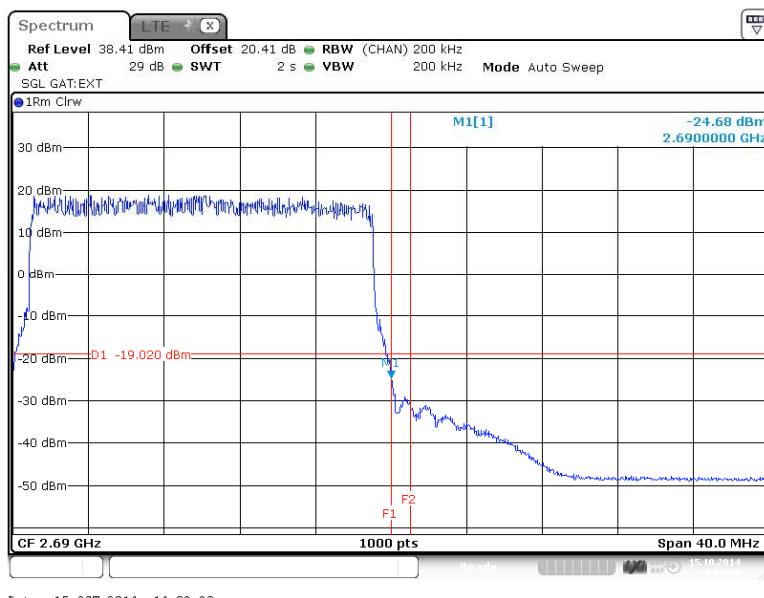
Product Service

FCC ID:  
VBNFWHD-01

Test Report No:  
D522886124



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



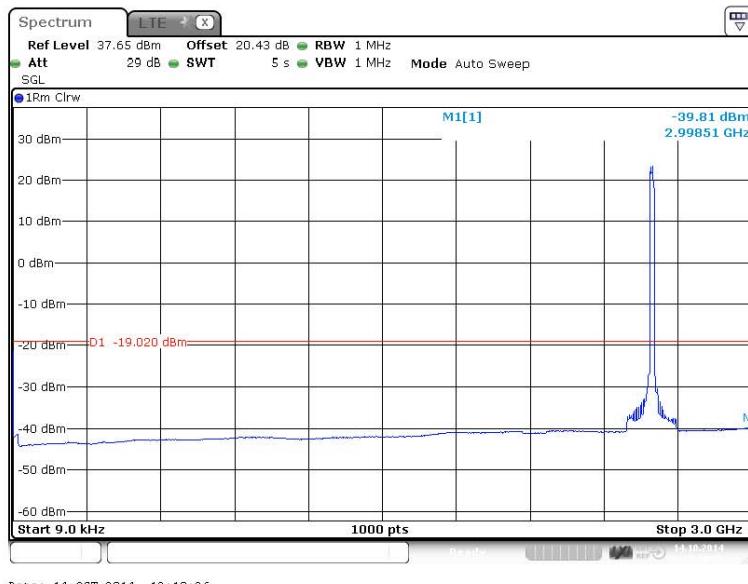
**Figure 208 Spurious Emissions (Upper Band Edge) – 16QAM (2680.0 MHz) (20MHz Channel BW)**



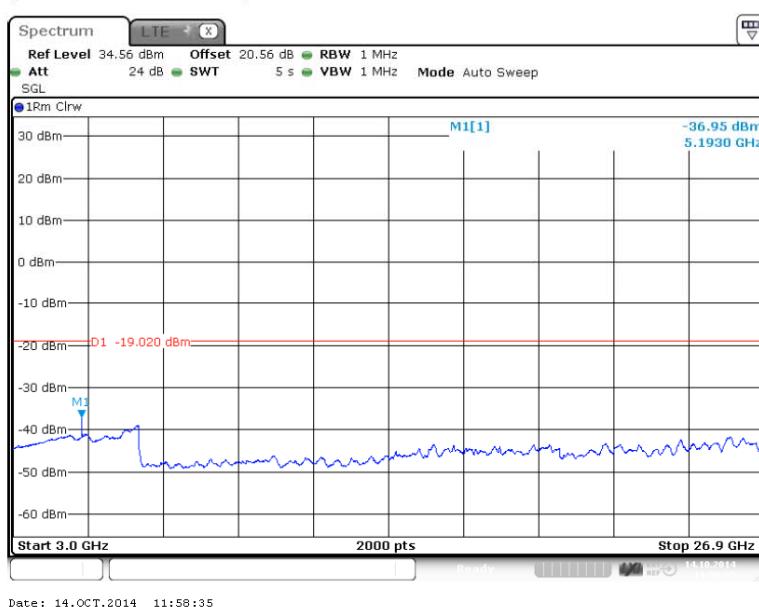
Product Service

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)**