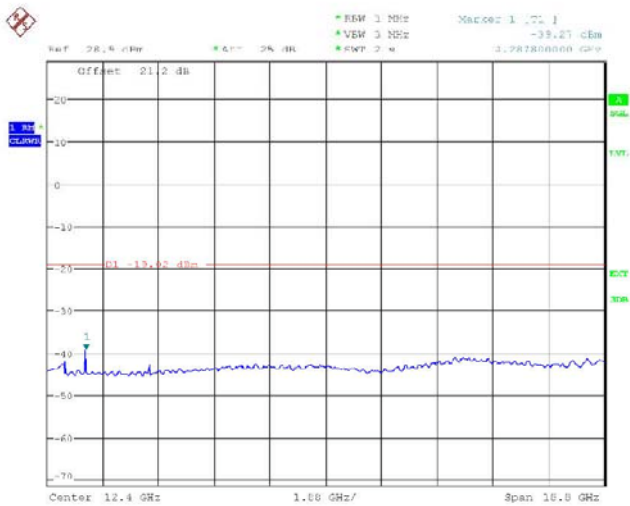




Product Service

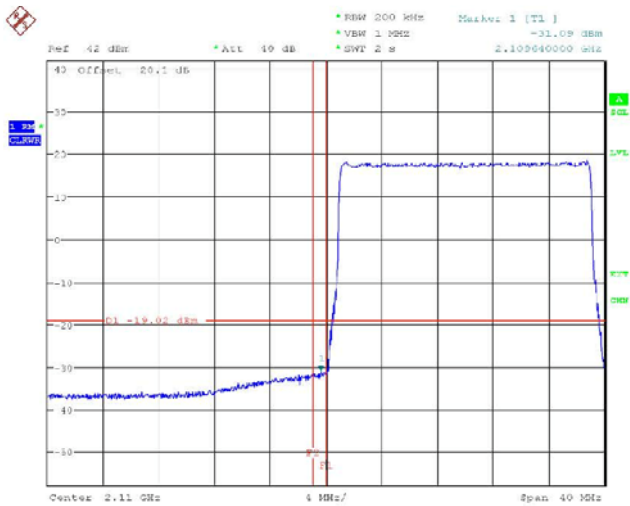
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 4.MAY.2017 12:51:19

**Figure 136 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2145.0 MHz) (20MHz Channel BW)**



Date: 4.MAY.2017 11:39:44

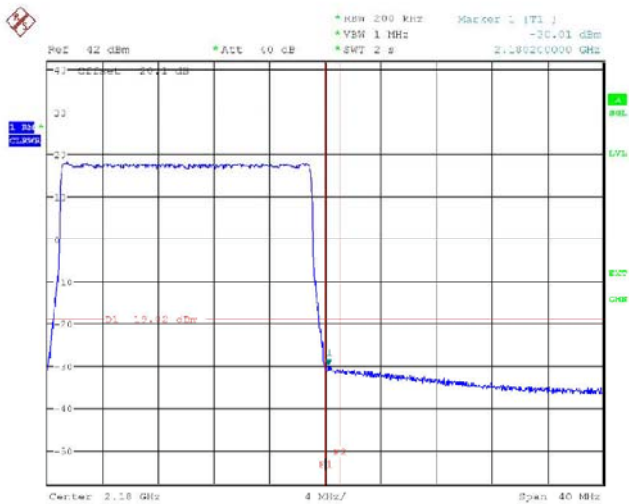
**Figure 137 Spurious Emissions (Lower Band Edge) – 256QAM (2120.0 MHz) (20MHz Channel BW)**



Product Service

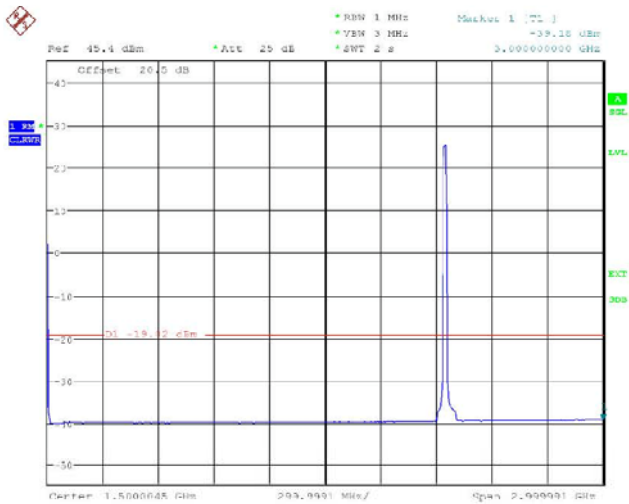
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 4.MAY.2017 13:36:14

**Figure 138 Spurious Emissions (Upper Band Edge) – 256QAM (2170.0 MHz)  
(20MHz Channel BW)**



Date: 4.MAY.2017 12:57:38

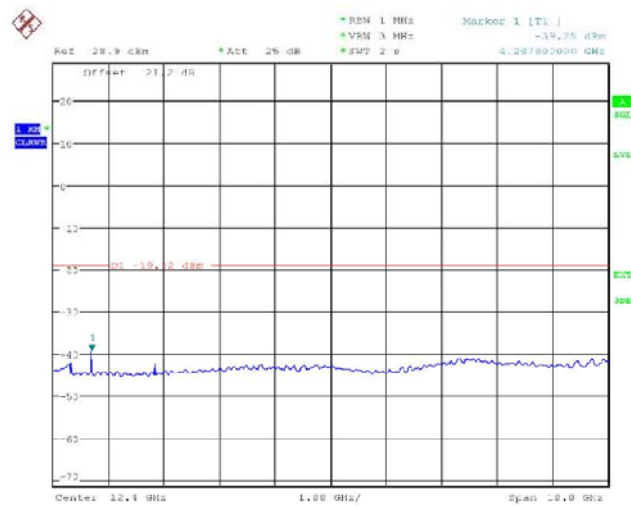
**Figure 139 Spurious Emissions (9kHz – 3GHz) – 256QAM (2145.0 MHz)  
(20MHz Channel BW)**



Product Service

FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



**Figure 140 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2145.0 MHz)  
(20MHz Channel BW)**

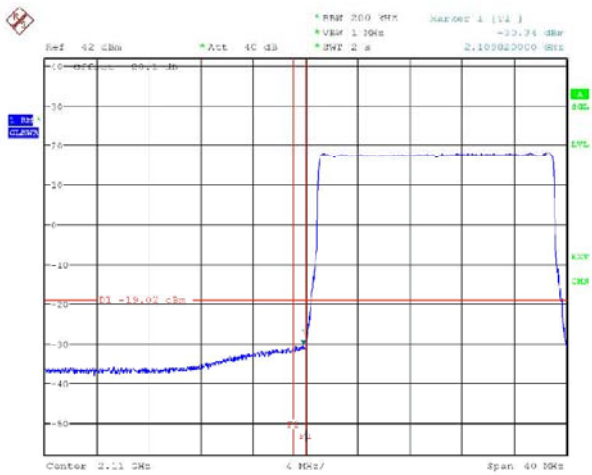


Product Service

FCC ID:  
VBNAHIB-

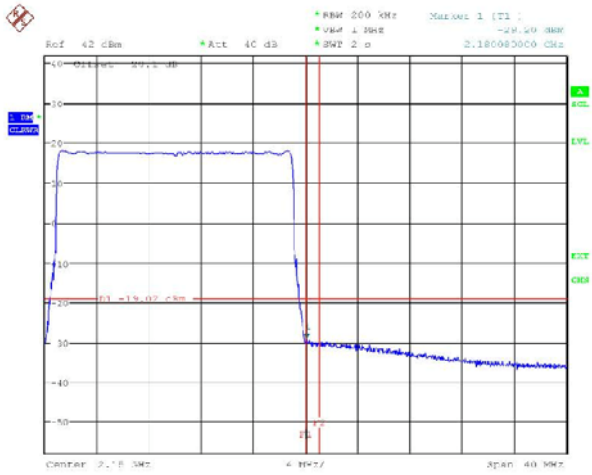
Test Report No:  
D556049976

Config B ANT2:



Date: 5.MAY.2017 06:12:12

Figure 141 Spurious Emissions (Lower Band Edge) – QPSK (2120.0 MHz)  
(20MHz Channel BW)



Date: 5.MAY.2017 06:13:16

Figure 142 Spurious Emissions (Upper Band Edge) – QPSK (2170.0 MHz)  
(20MHz Channel BW)

FCC 47 CFR part 27  
(2016)

16. May 2017

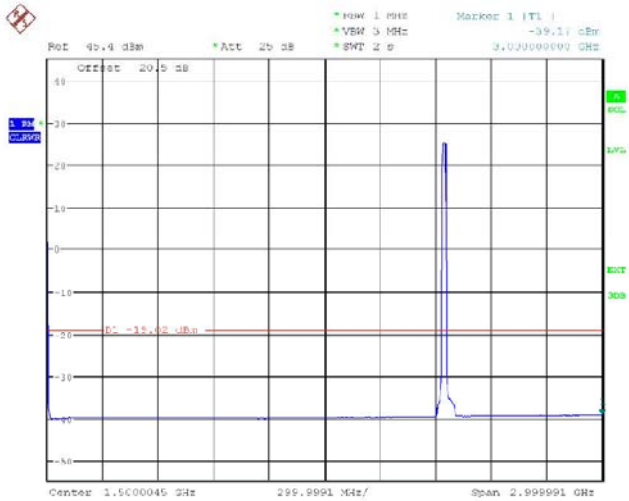
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Product Service

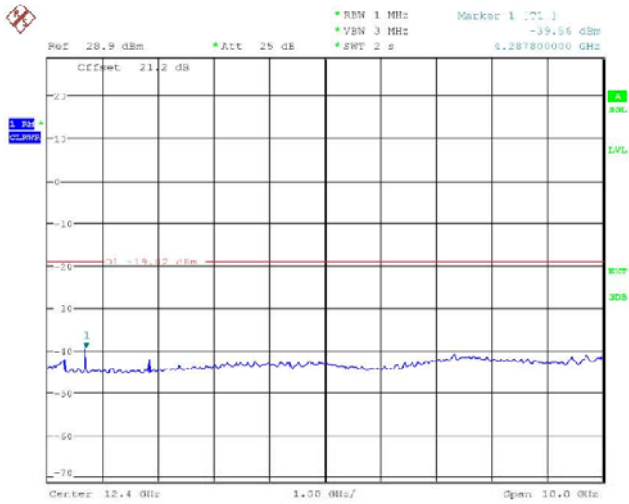
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 07:38:53

**Figure 143 Spurious Emissions (9kHz – 3GHz) - QPSK (2145.0 MHz) (20MHz Channel BW)**



Date: 5.MAY.2017 07:39:50

**Figure 144 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2145.0 MHz) (20MHz Channel BW)**



Product Service

FCC ID:  
VBNAHIB-

Test Report No:  
D556049976

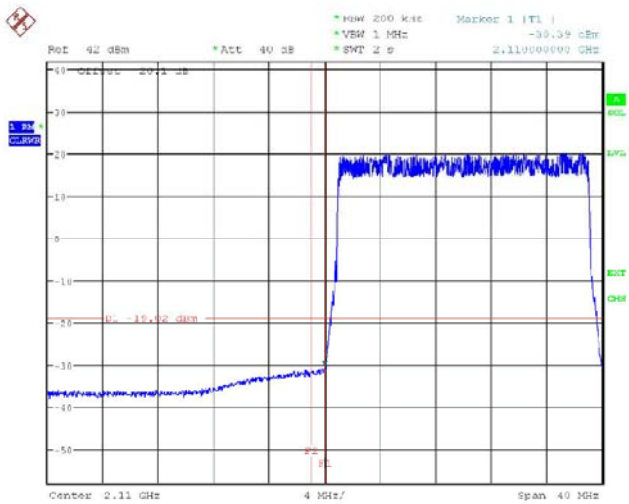


Figure 145 Spurious Emissions (Lower Band Edge) – 16QAM (2120.0 MHz)  
(20MHz Channel BW)

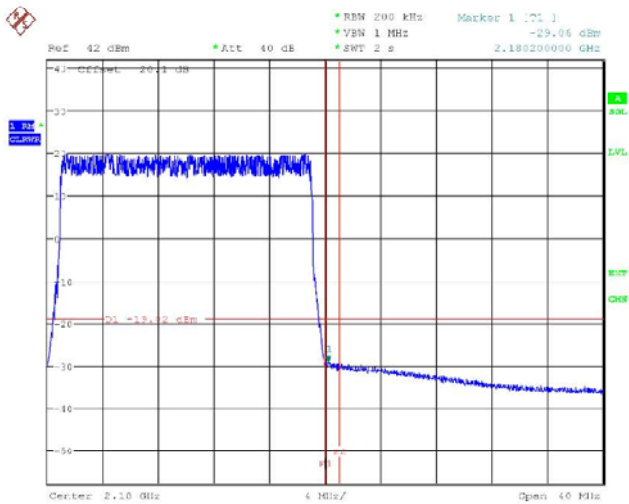


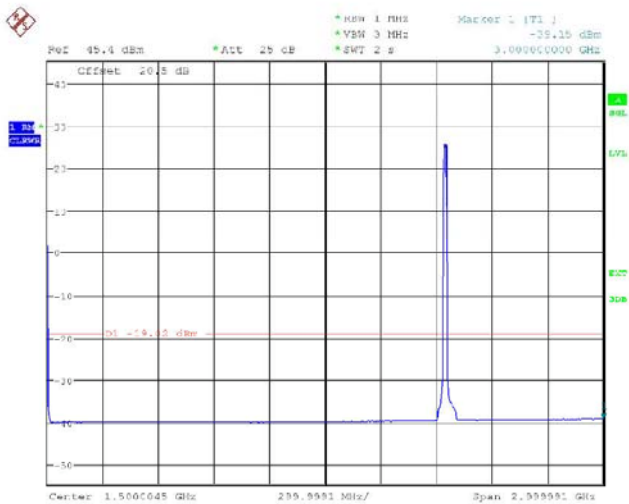
Figure 146 Spurious Emissions (Upper Band Edge) – 16QAM (2170.0 MHz)  
(20MHz Channel BW)



Product Service

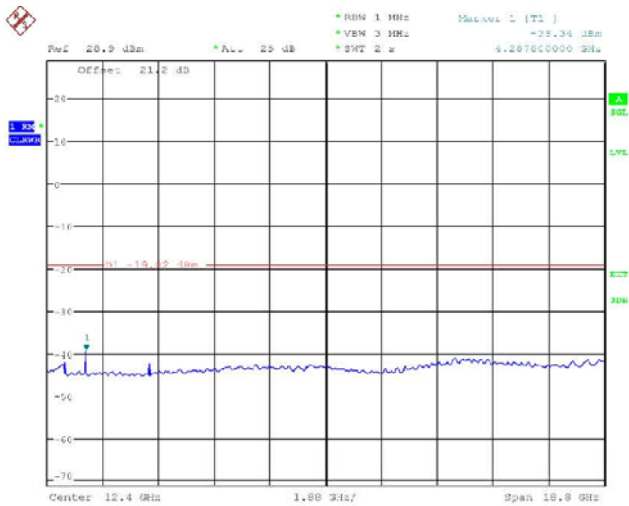
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 07:42:16

**Figure 147 Spurious Emissions (9kHz – 3GHz) – 16QAM (2145.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 07:43:02

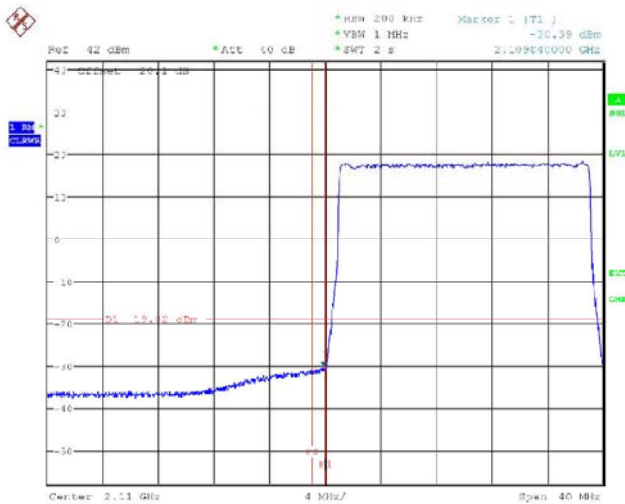
**Figure 148 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2145.0 MHz)  
(20MHz Channel BW)**



Product Service

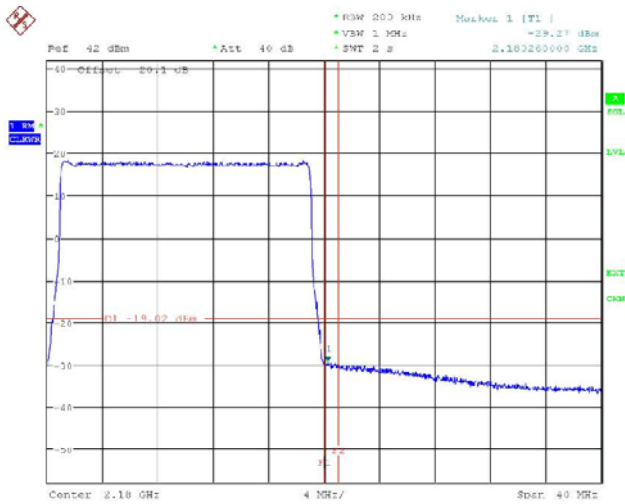
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 06:47:24

**Figure 149 Spurious Emissions (Lower Band Edge) – 64QAM (2120.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 08:18:53

**Figure 150 Spurious Emissions (Upper Band Edge) – 64QAM (2170.0 MHz)  
(20MHz Channel BW)**

FCC 47 CFR part 27  
(2016)

16. May 2017

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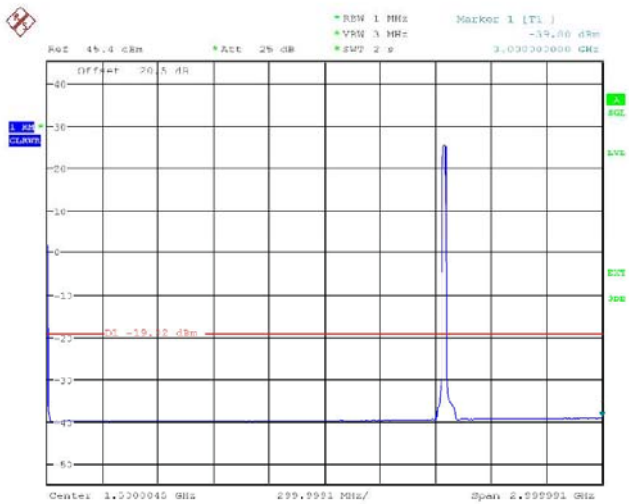




Product Service

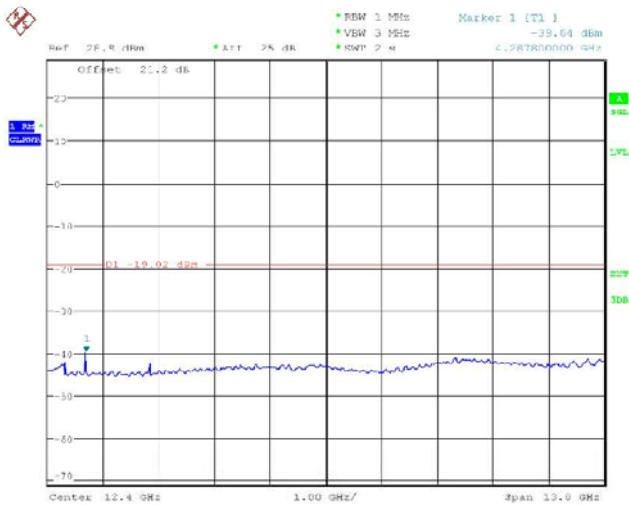
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 07:43:28

**Figure 151 Spurious Emissions (9kHz – 3GHz) – 64QAM (2145.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 09:46:13

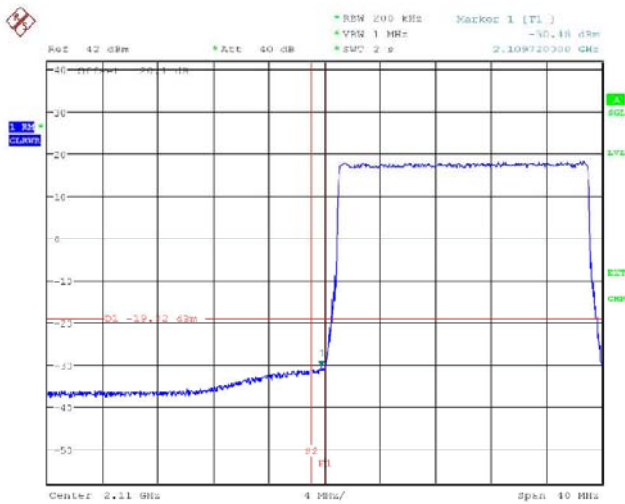
**Figure 152 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2145.0 MHz)  
(20MHz Channel BW)**



Product Service

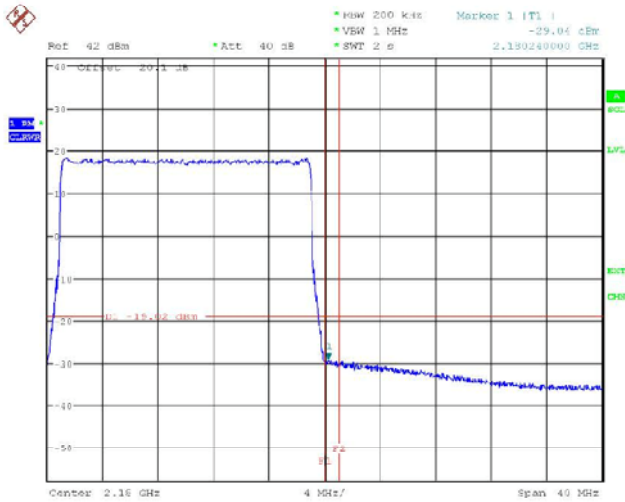
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.NOV.2017 06:40:07

**Figure 153 Spurious Emissions (Lower Band Edge) – 256QAM (2120.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 08:22:17

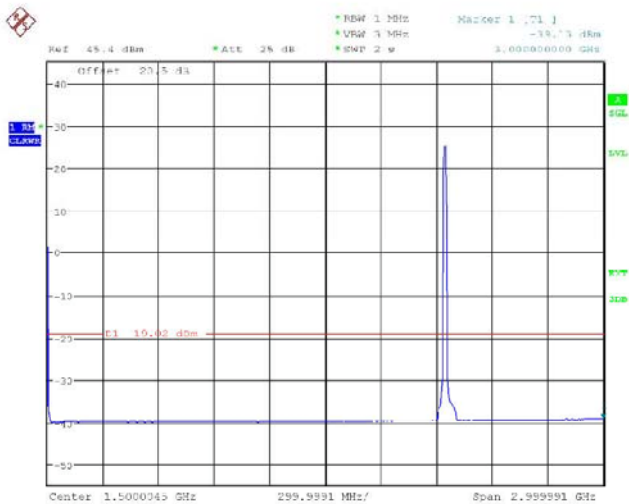
**Figure 154 Spurious Emissions (Upper Band Edge) – 256QAM (2170.0 MHz)  
(20MHz Channel BW)**



Product Service

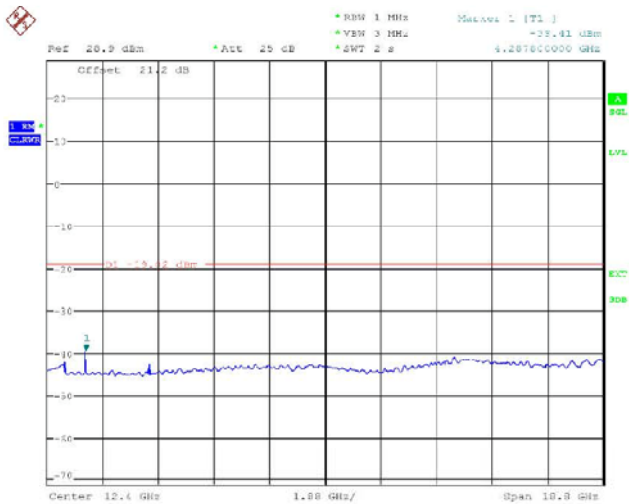
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 07:48:40

**Figure 155 Spurious Emissions (9kHz – 3GHz) – 256QAM (2145.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 07:49:17

**Figure 156 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2145.0 MHz)  
(20MHz Channel BW)**

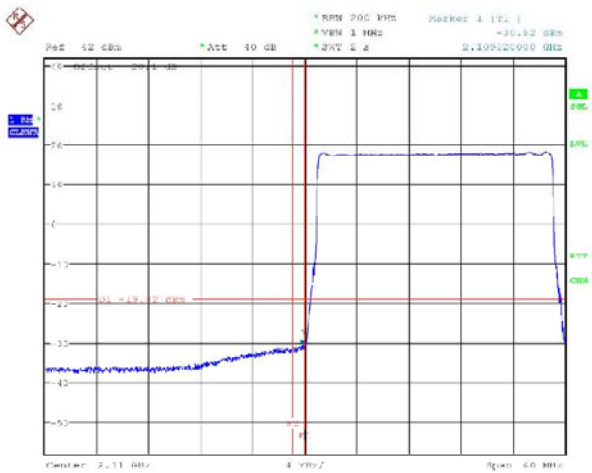


Product Service

FCC ID:  
VBNAHIB-

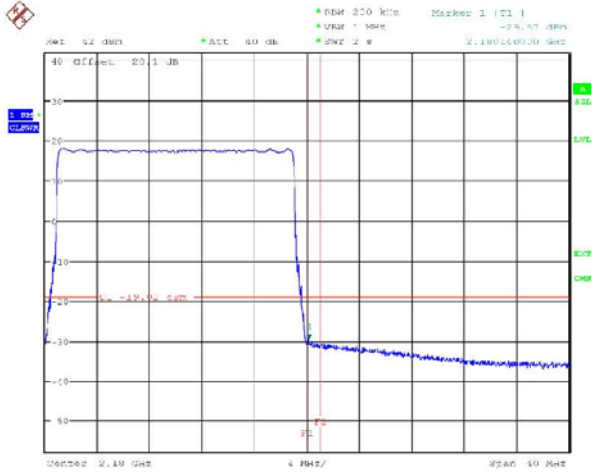
Test Report No:  
D556049976

Config B ANT3:



Date: 5.MAY.2017 08:41:02

Figure 157 Spurious Emissions (Lower Band Edge) – QPSK (2120.0 MHz)  
(20MHz Channel BW)



Date: 5.MAY.2017 09:52:51

Figure 158 Spurious Emissions (Upper Band Edge) – QPSK (2170.0 MHz)  
(20MHz Channel BW)

FCC 47 CFR part 27  
(2016)

16. May 2017

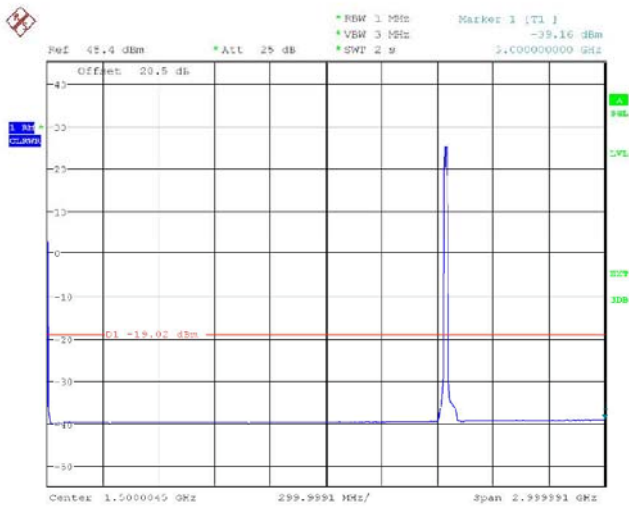
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Product Service

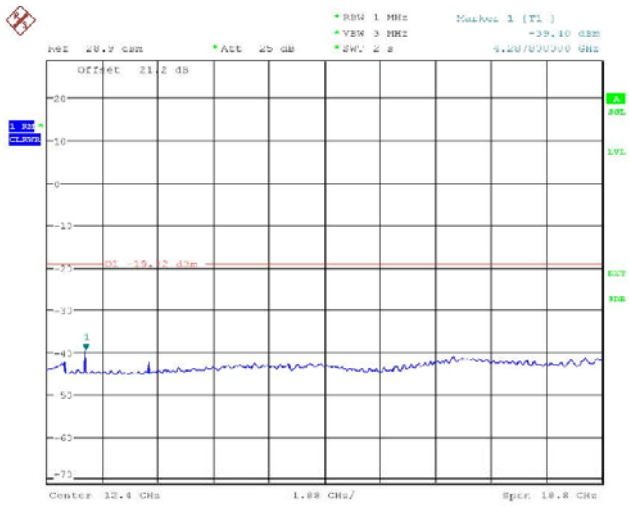
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 09:51:23

**Figure 159 Spurious Emissions (9kHz – 3GHz) - QPSK (2145.0 MHz) (20MHz Channel BW)**



Date: 5.MAY.2017 08:52:23

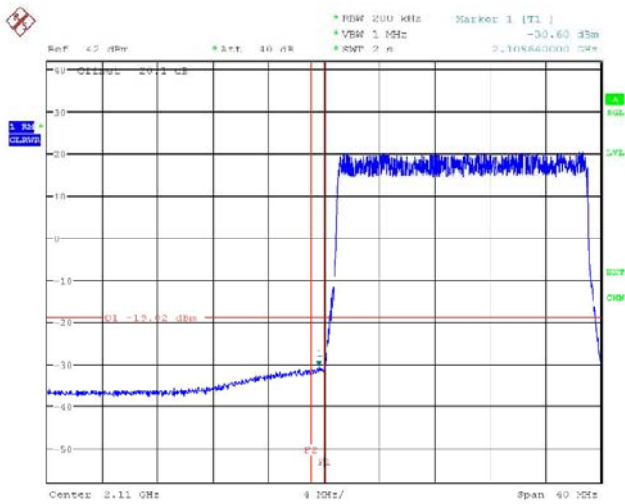
**Figure 160 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2145.0 MHz) (20MHz Channel BW)**



Product Service

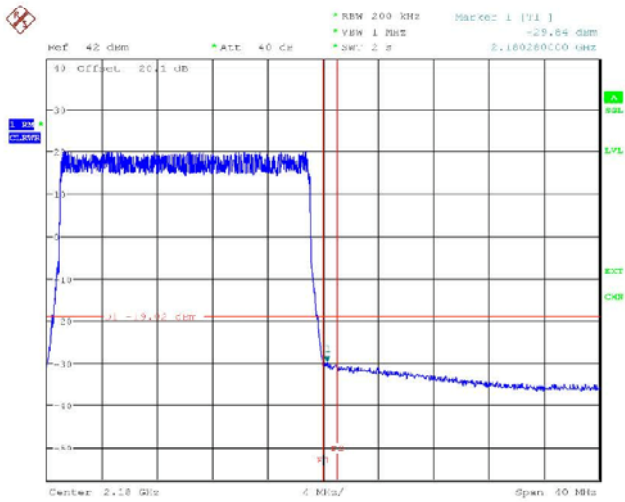
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 08:43:44

**Figure 161 Spurious Emissions (Lower Band Edge) – 16QAM (2120.0 MHz) (20MHz Channel BW)**



Date: 5.MAY.2017 10:00:07

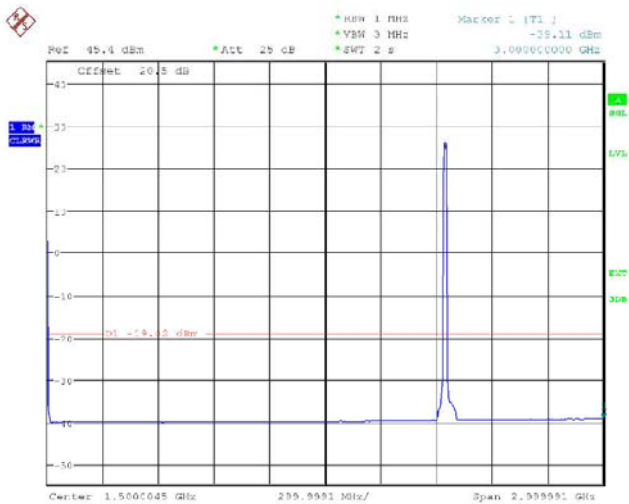
**Figure 162 Spurious Emissions (Upper Band Edge) – 16QAM (2170.0 MHz) (20MHz Channel BW)**



Product Service

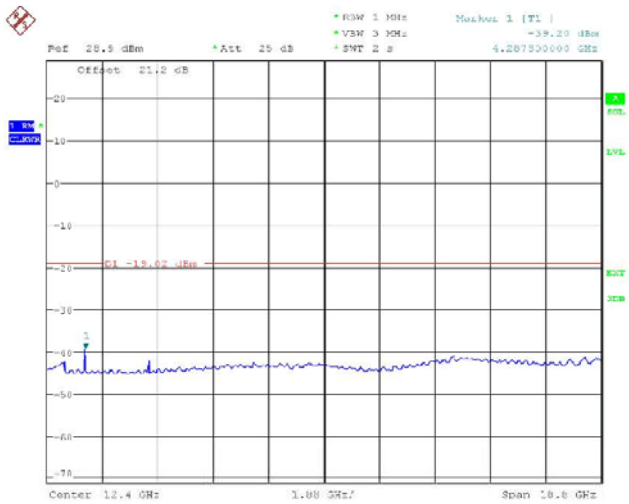
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 08:54:41

**Figure 163 Spurious Emissions (9kHz – 3GHz) – 16QAM (2145.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 08:55:27

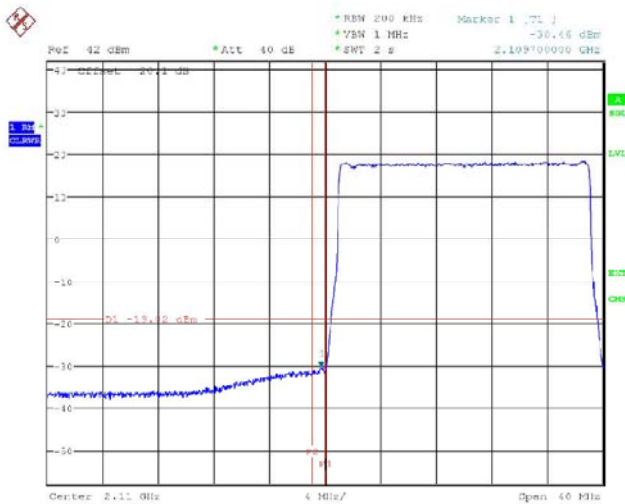
**Figure 164 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2145.0 MHz)  
(20MHz Channel BW)**



Product Service

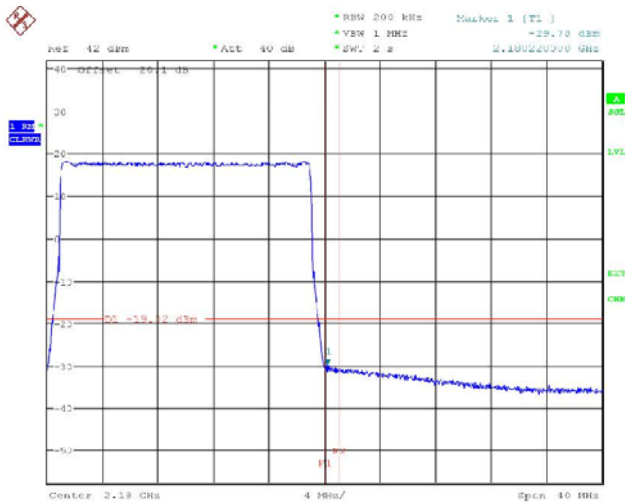
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 08:46:06

**Figure 165 Spurious Emissions (Lower Band Edge) – 64QAM (2120.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 10:03:11

**Figure 166 Spurious Emissions (Upper Band Edge) – 64QAM (2170.0 MHz)  
(20MHz Channel BW)**

FCC 47 CFR part 27  
(2016)

16. May 2017

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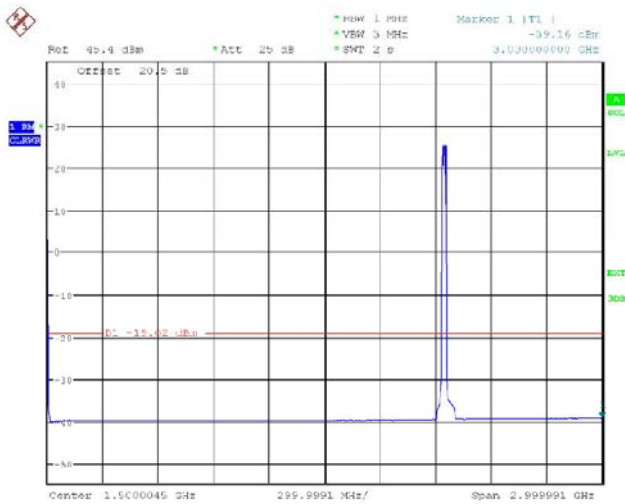




Product Service

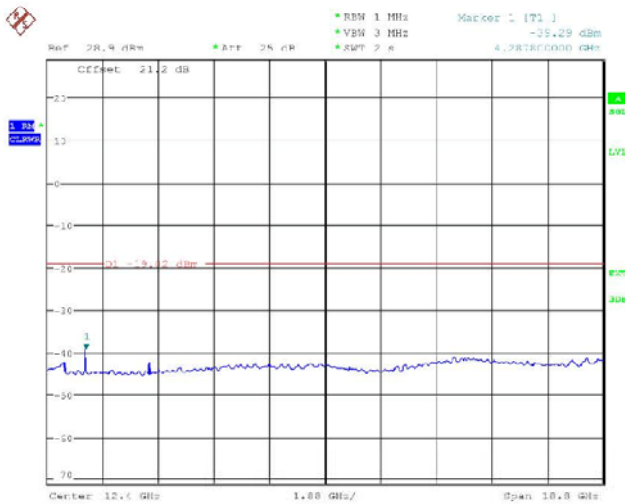
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 08:58:33

**Figure 167 Spurious Emissions (9kHz – 3GHz) – 64QAM (2145.0 MHz) (20MHz Channel BW)**



Date: 5.MAY.2017 08:59:24

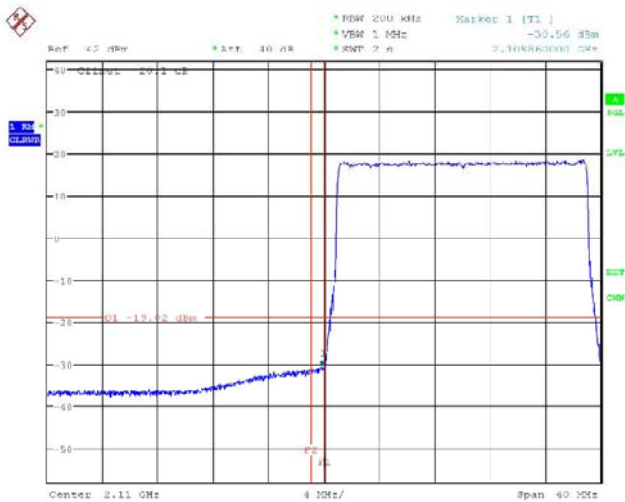
**Figure 168 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2145.0 MHz) (20MHz Channel BW)**



Product Service

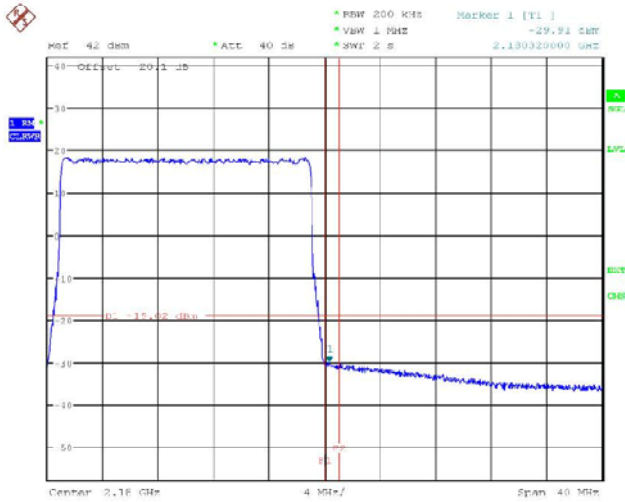
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 08:48:33

**Figure 169 Spurious Emissions (Lower Band Edge) – 256QAM (2120.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 10:08:40

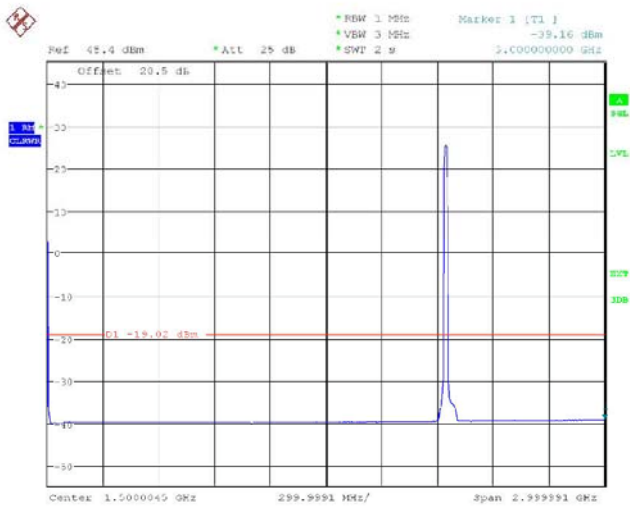
**Figure 170 Spurious Emissions (Upper Band Edge) – 256QAM (2170.0 MHz)  
(20MHz Channel BW)**



Product Service

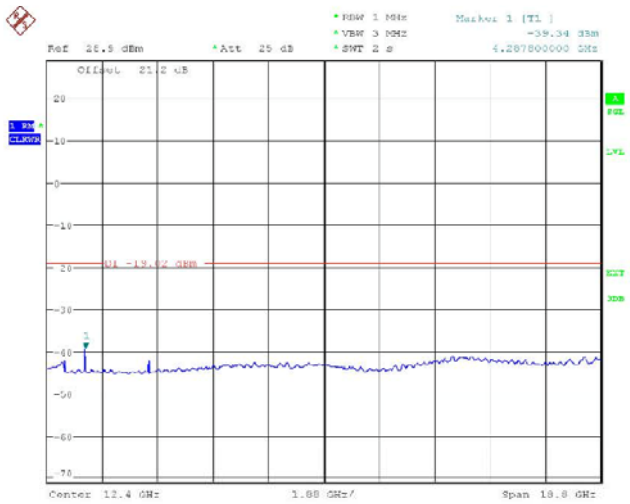
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 09:02:00

**Figure 171 Spurious Emissions (9kHz – 3GHz) – 256QAM (2145.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 09:02:46

**Figure 172 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2145.0 MHz)  
(20MHz Channel BW)**

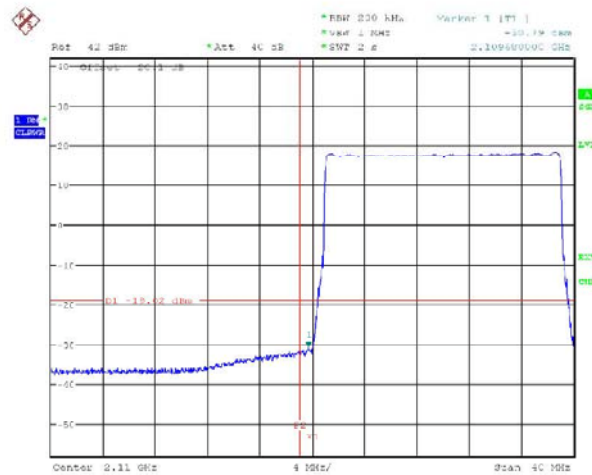


Product Service

FCC ID:  
VBNAHIB-

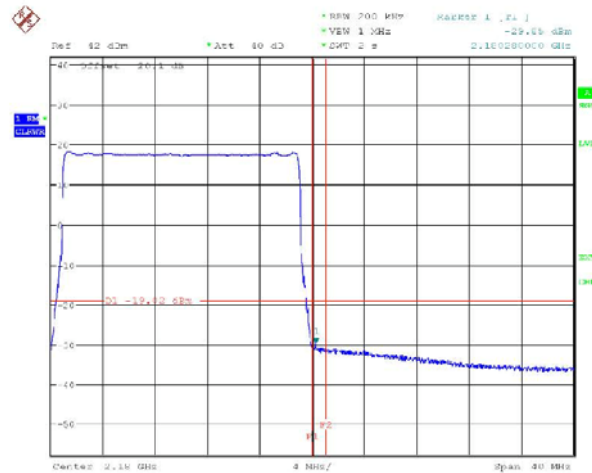
Test Report No:  
D556049976

### Config B ANT4:



Date: 5.MAY.2017 10:16:09

**Figure 173 Spurious Emissions (Lower Band Edge) – QPSK (2120.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 10:41:07

**Figure 174 Spurious Emissions (Upper Band Edge) – QPSK (2170.0 MHz)  
(20MHz Channel BW)**

FCC 47 CFR part 27  
(2016)

16. May 2017

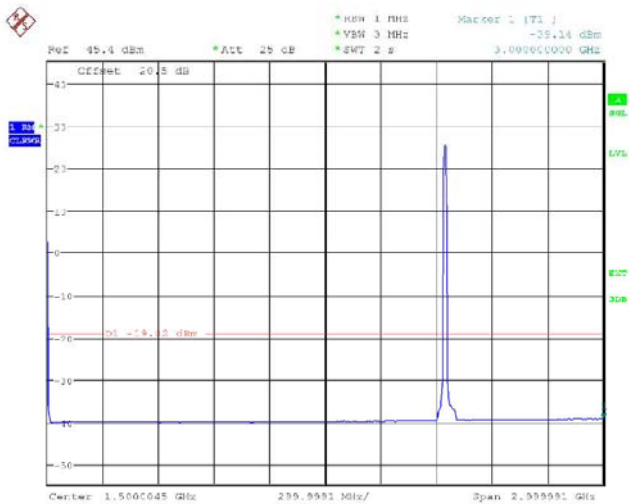
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Product Service

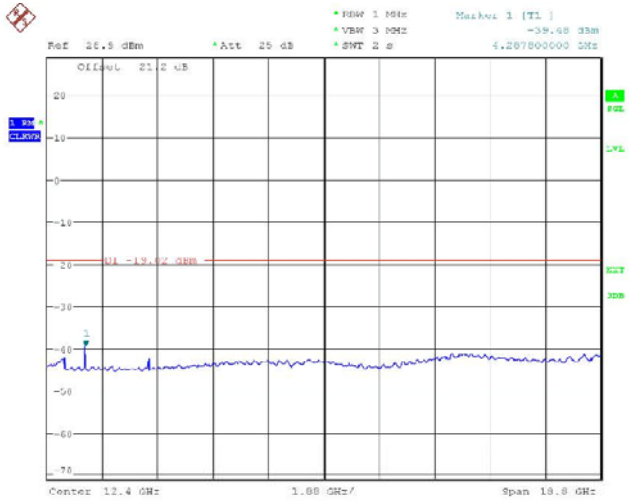
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 10:26:57

**Figure 175 Spurious Emissions (9kHz – 3GHz) - QPSK (2145.0 MHz) (20MHz Channel BW)**



Date: 5.MAY.2017 10:27:25

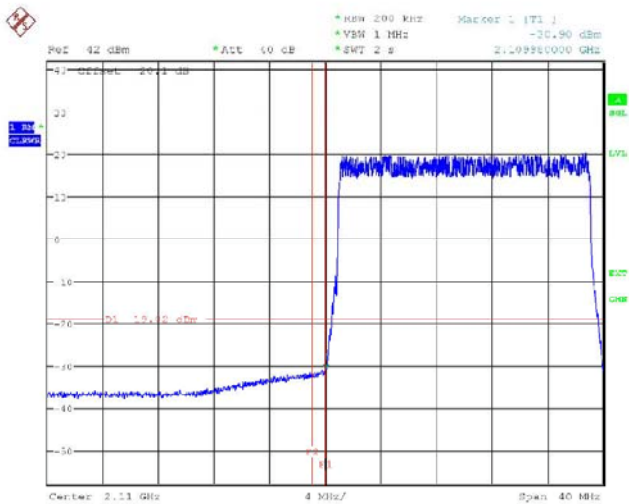
**Figure 176 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2145.0 MHz) (20MHz Channel BW)**



Product Service

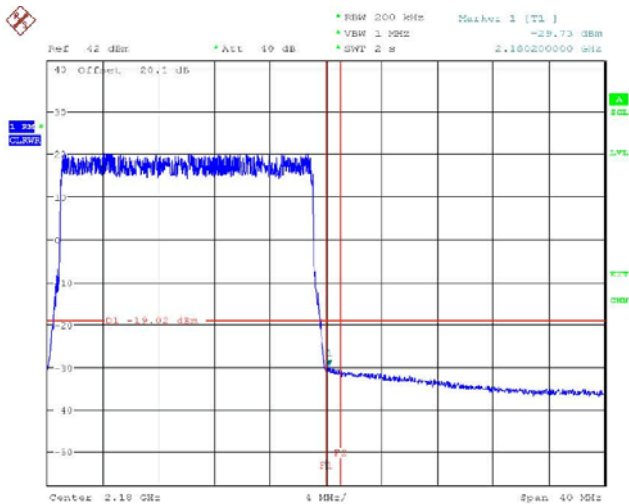
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 10:18:50

**Figure 177 Spurious Emissions (Lower Band Edge) – 16QAM (2120.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 17:45:08

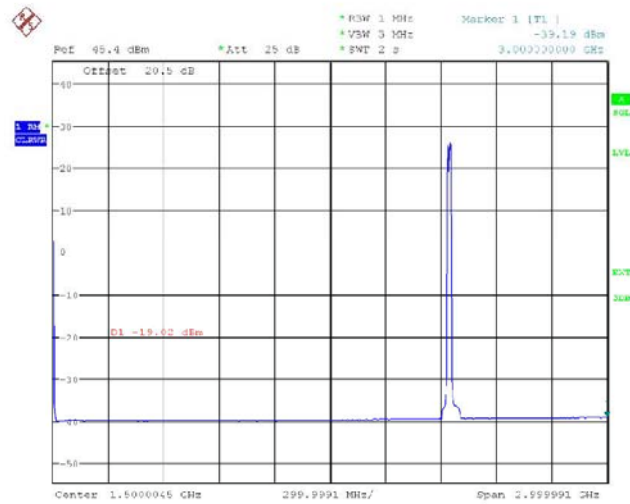
**Figure 178 Spurious Emissions (Upper Band Edge) – 16QAM (2170.0 MHz)  
(20MHz Channel BW)**



Product Service

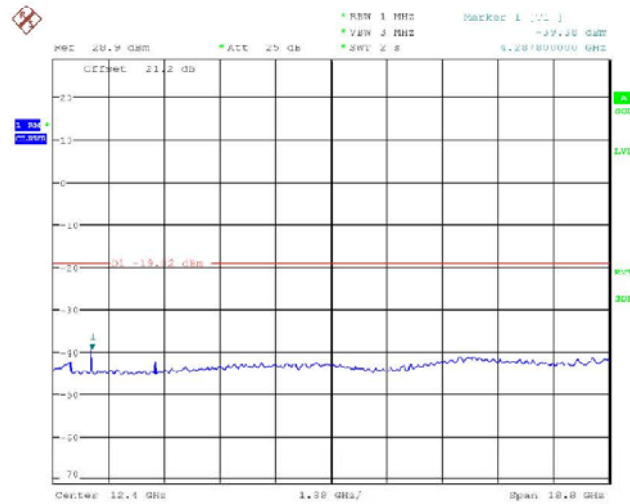
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 10:30:02

**Figure 179 Spurious Emissions (9kHz – 3GHz) – 16QAM (2145.0 MHz) (20MHz Channel BW)**



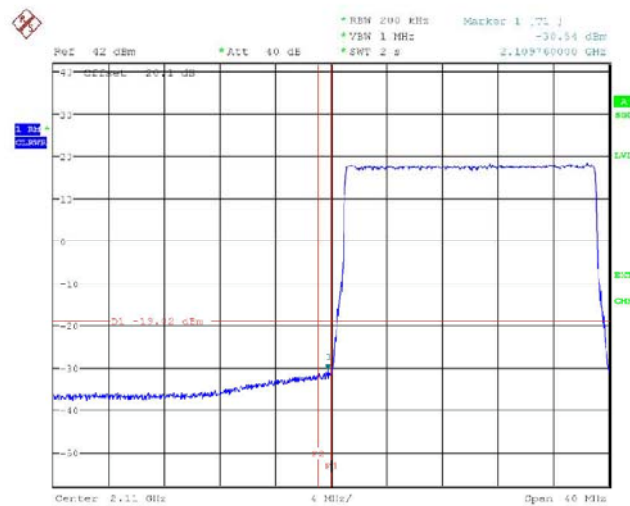
Date: 5.MAY.2017 10:30:51

**Figure 180 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2145.0 MHz) (20MHz Channel BW)**



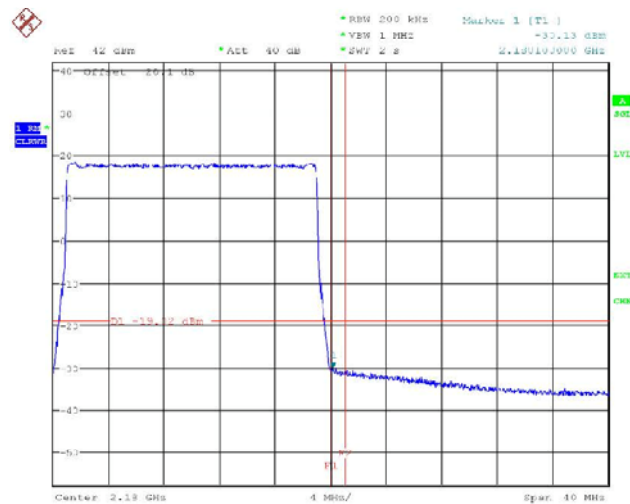
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Data: 5.MAY.2017 10:21:20

**Figure 181 Spurious Emissions (Lower Band Edge) – 64QAM (2120.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 10:47:30

**Figure 182 Spurious Emissions (Upper Band Edge) – 64QAM (2170.0 MHz)  
(20MHz Channel BW)**

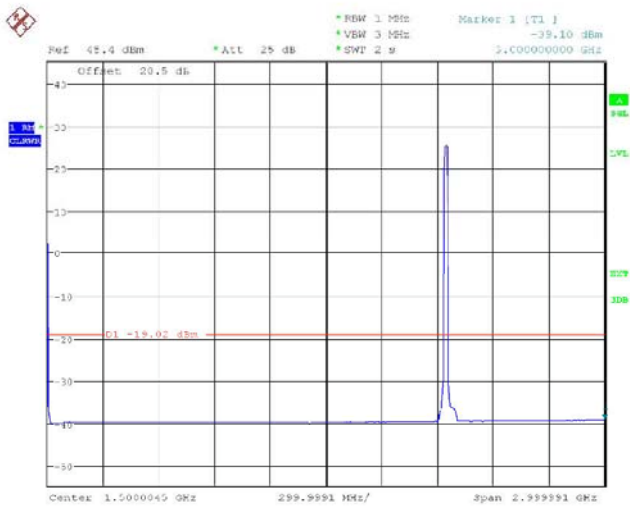




Product Service

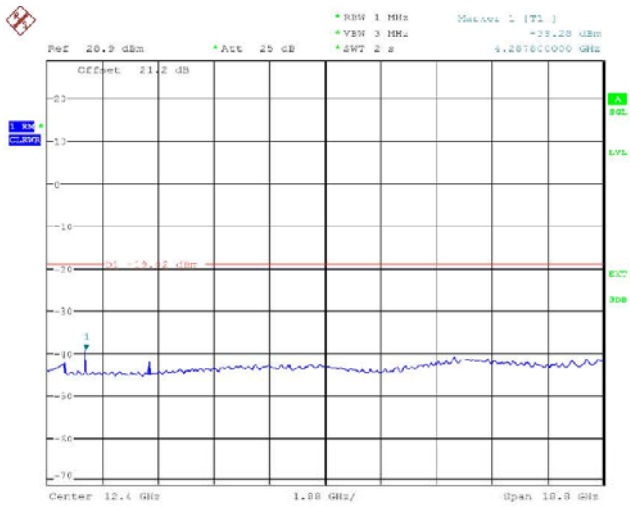
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 13:33:30

**Figure 183 Spurious Emissions (9kHz – 3GHz) – 64QAM (2145.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 10:34:15

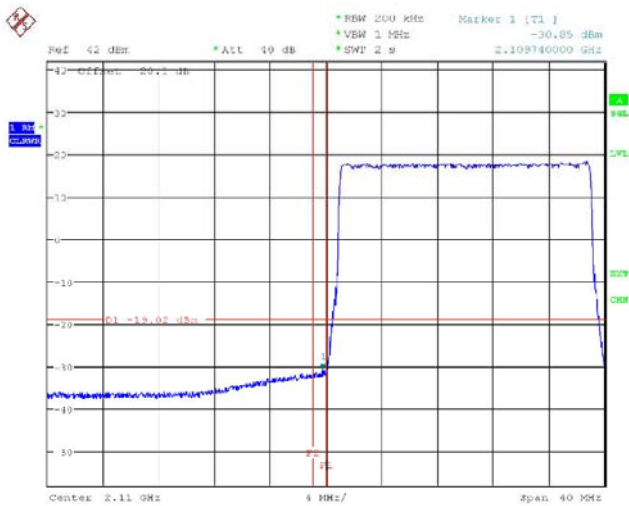
**Figure 184 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2145.0 MHz)  
(20MHz Channel BW)**



Product Service

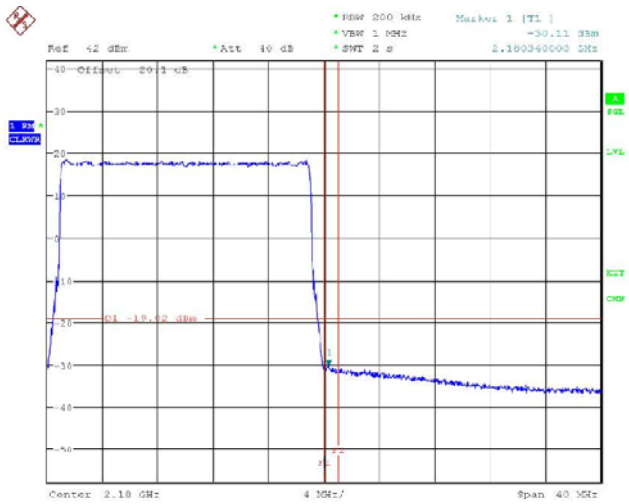
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 10:23:35

**Figure 185 Spurious Emissions (Lower Band Edge) – 256QAM (2120.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 10:50:39

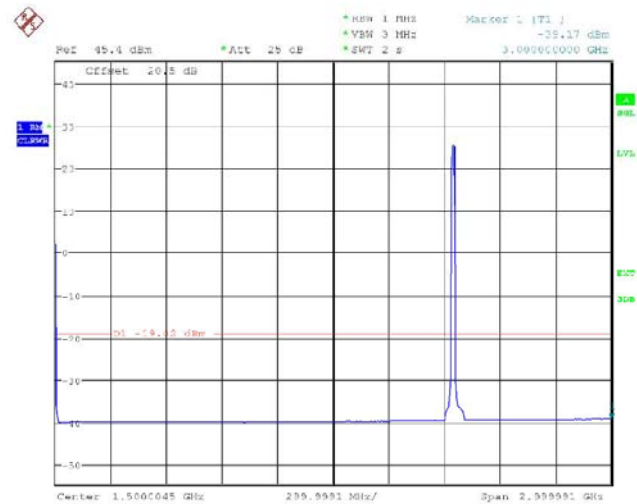
**Figure 186 Spurious Emissions (Upper Band Edge) – 256QAM (2170.0 MHz)  
(20MHz Channel BW)**



Product Service

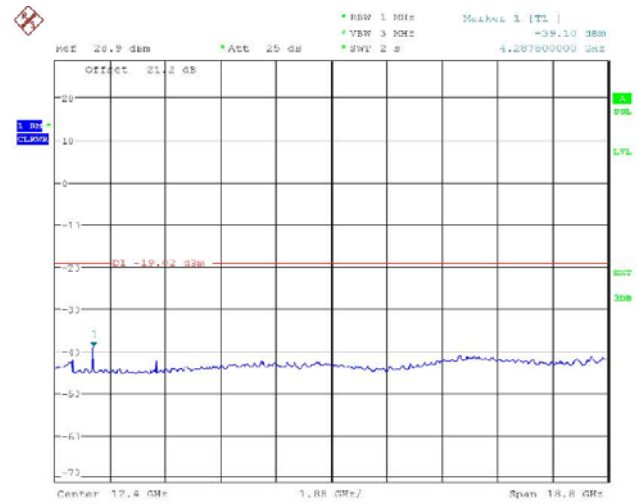
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 5.MAY.2017 10:37:06

**Figure 187 Spurious Emissions (9kHz – 3GHz) – 256QAM (2145.0 MHz)  
(20MHz Channel BW)**



Date: 5.MAY.2017 10:37:51

**Figure 188 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2145.0 MHz)  
(20MHz Channel BW)**



Product Service

FCC ID:  
VBNAHIB-

Test Report No:  
D556049976

Config C ANT1:

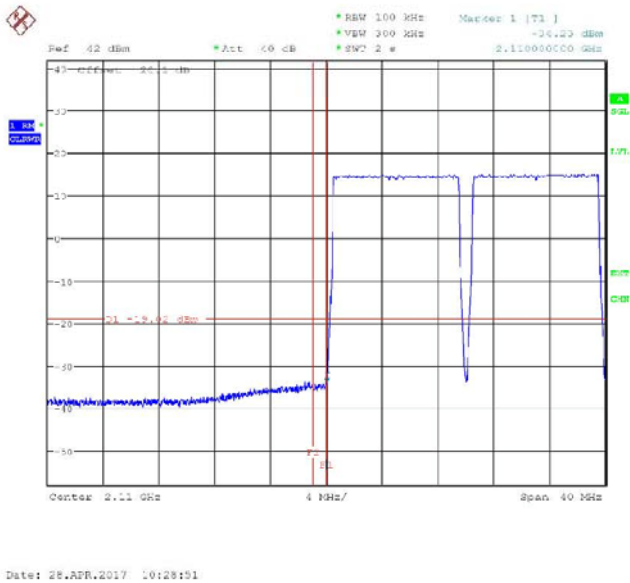


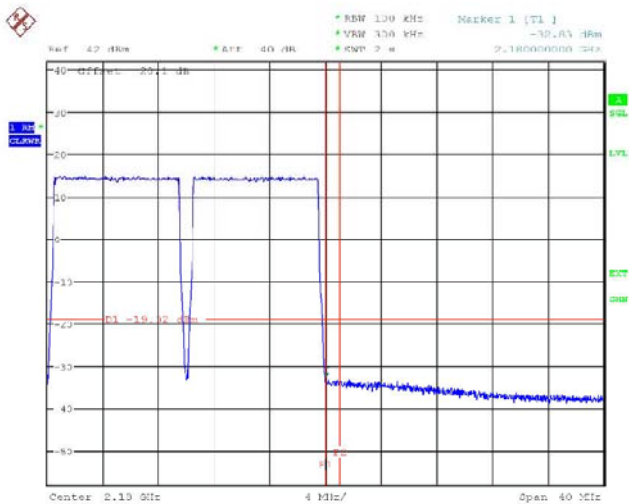
Figure 189 Spurious Emissions (Lower Band Edge) – QPSK (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

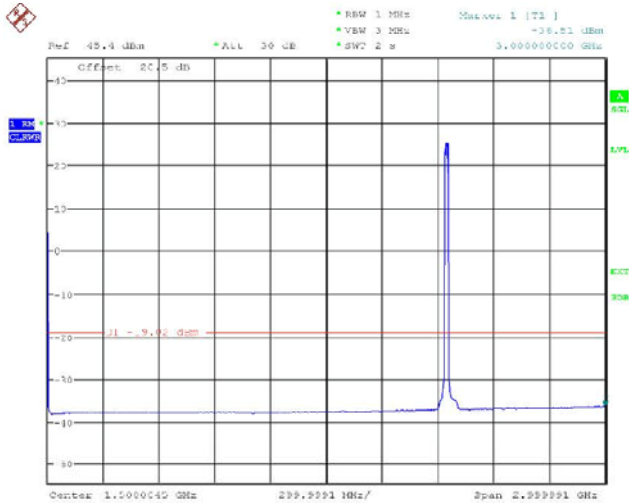
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 2.NOV.2017 10:38:40

**Figure 190 Spurious Emissions (Upper Band Edge) – QPSK (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)**



Date: 26.APR.2017 11:44:10

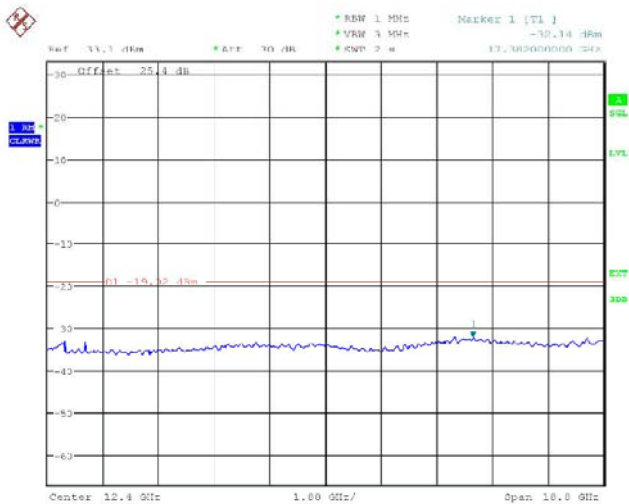
**Figure 191 Spurious Emissions (9kHz – 3GHz) - QPSK (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)**



Product Service

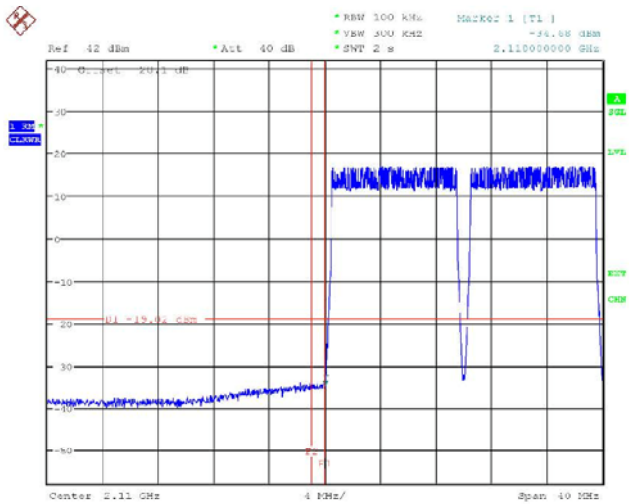
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 26.APR.2017 11:49:37

**Figure 192 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)**



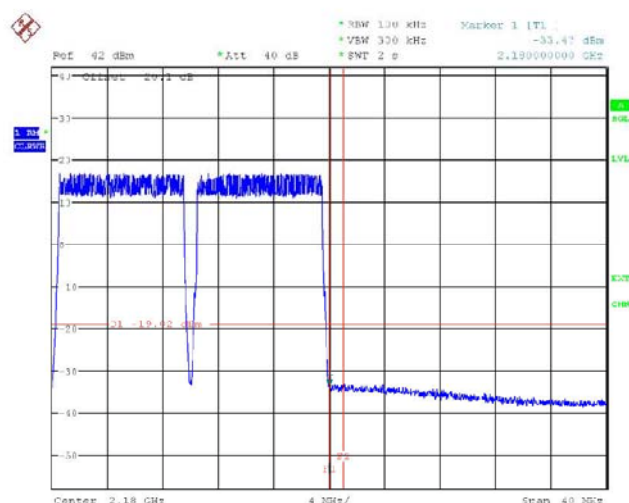
Date: 20.APR.2017 10:33:57

**Figure 193 Spurious Emissions (Lower Band Edge) – 16QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)**



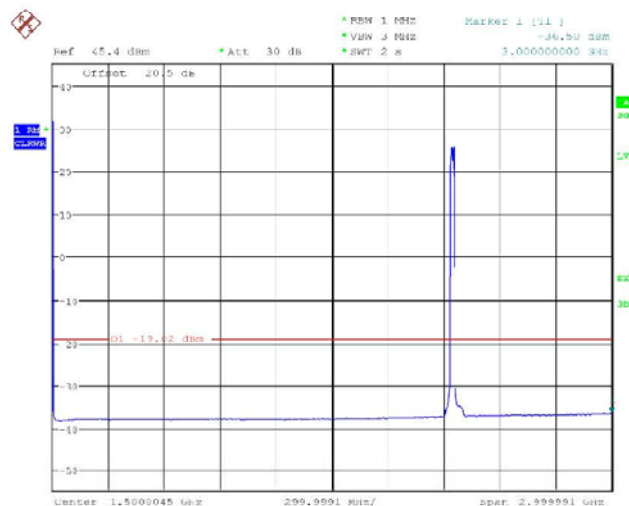
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 2.MAY.2017 10:44:42

**Figure 194 Spurious Emissions (Upper Band Edge) – 16QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)**



Date: 2.MAY.2017 09:01:45

**Figure 195 Spurious Emissions (9kHz – 3GHz) – 16QAM (2140.0/2150.0 MHz)  
(10 MHz/10MHz Channel BW)**

FCC 47 CFR part 27  
(2016)

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16. May 2017

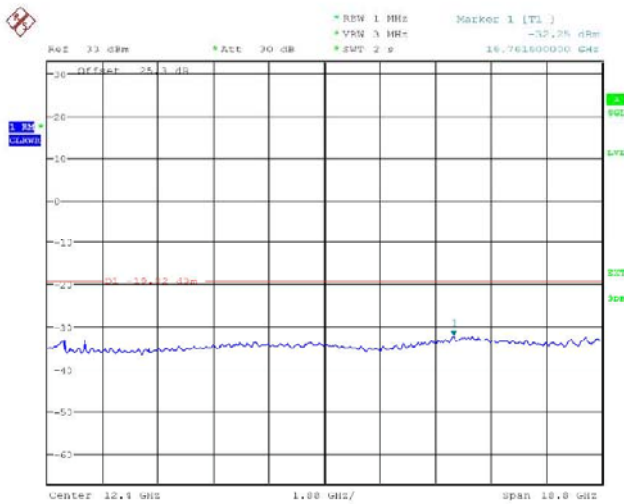
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Product Service

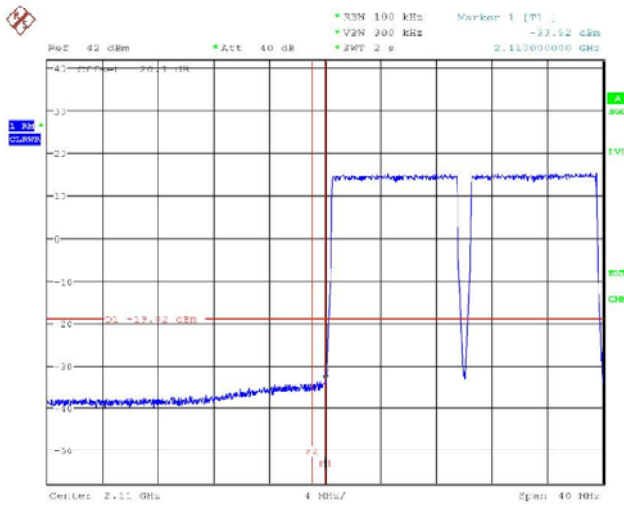
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 2.MAY.2017 09:06:15

**Figure 196 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)**



Date: 26.APR.2017 10:42:59

**Figure 197 Spurious Emissions (Lower Band Edge) – 64QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)**

FCC 47 CFR part 27  
(2016)

16. May 2017

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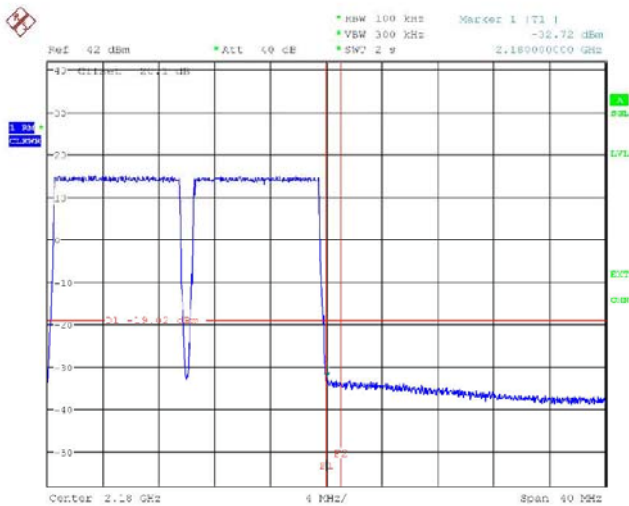




Product Service

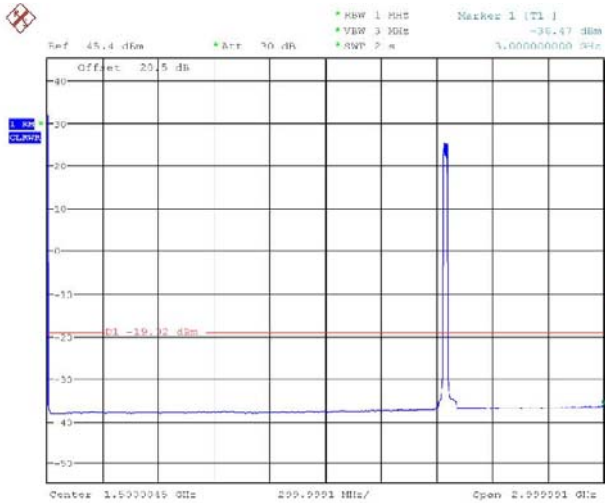
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 2.MAY.2017 10:52:50

**Figure 198 Spurious Emissions (Upper Band Edge) – 64QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)**



Date: 2.MAY.2017 09:58:17

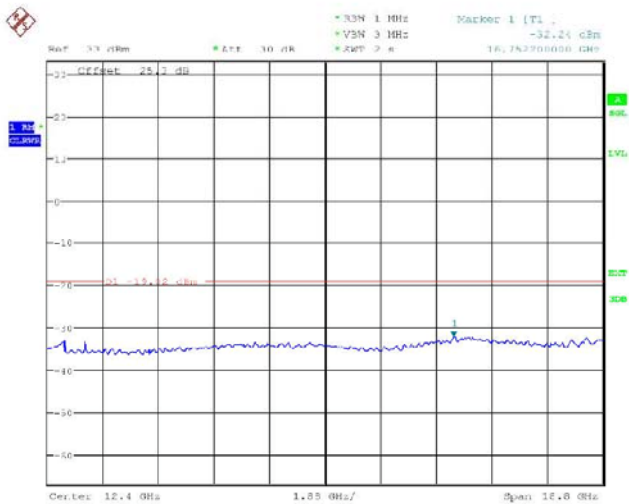
**Figure 199 Spurious Emissions (9kHz – 3GHz) – 64QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)**



Product Service

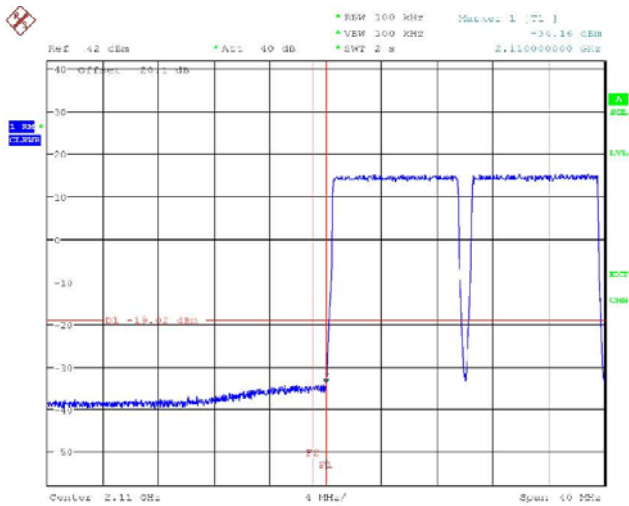
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 2.MAY.2017 09:59:25

**Figure 200 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)**



Date: 26.APR.2017 10:50:11

**Figure 201 Spurious Emissions (Lower Band Edge) – 256QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)**

FCC 47 CFR part 27  
(2016)

16. May 2017

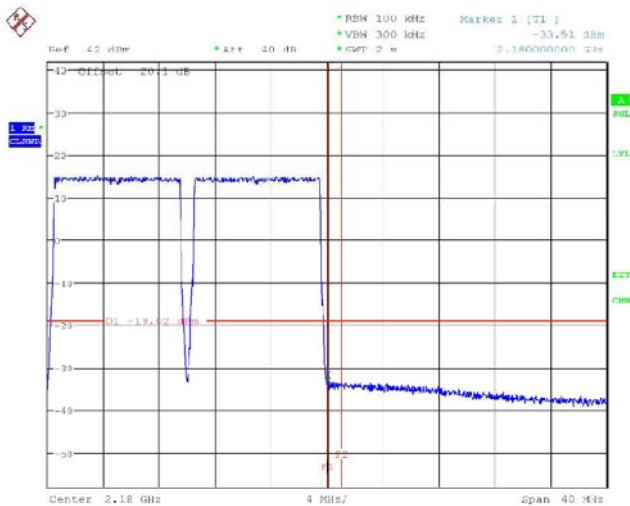
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Product Service

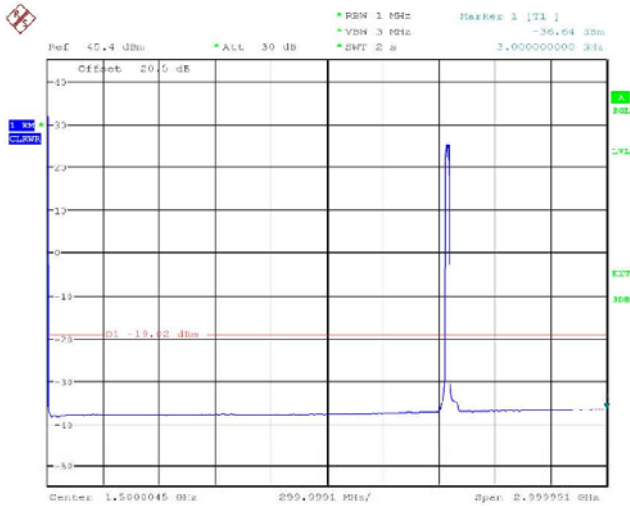
FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 2.MAY.2017 10:57:26

**Figure 202 Spurious Emissions (Upper Band Edge) – 256QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)**



Date: 2.MAY.2017 10:04:00

**Figure 203 Spurious Emissions (9kHz – 3GHz) – 256QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)**

FCC 47 CFR part 27  
(2016)

16. May 2017

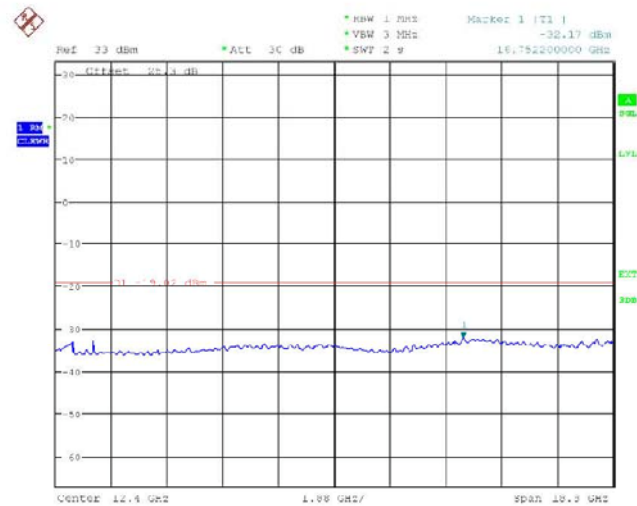
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Product Service

FCC ID:  
VBNAHIB-

Test Report No:  
D556049976



Date: 2.MAY.2017 10:05:25

**Figure 204 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)**