

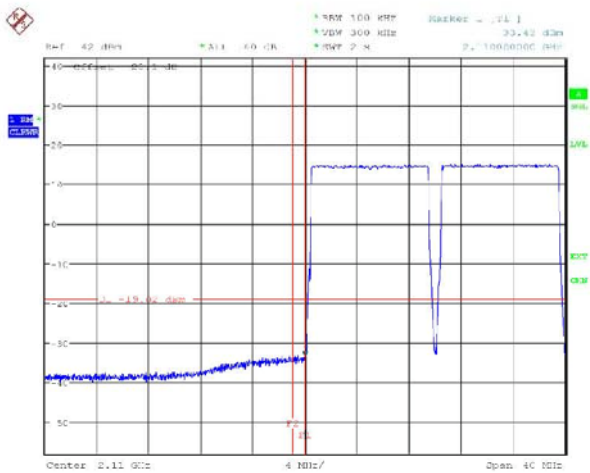


Product Service

FCC ID:
VBNAHIB-

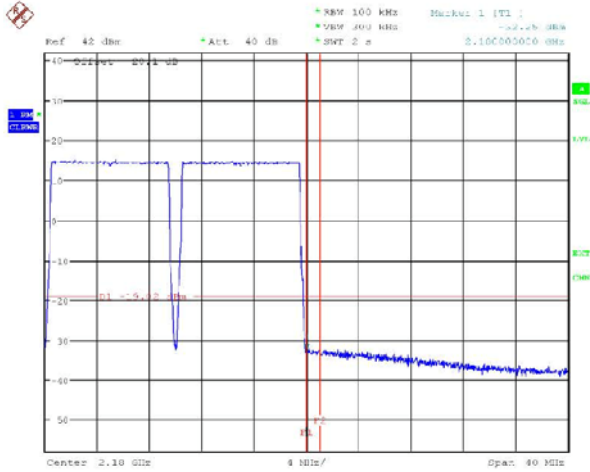
Test Report No:
D556049976

Config C ANT2:



Date: 2.MAY.2017 11:50:54

Figure 205 Spurious Emissions (Lower Band Edge) – QPSK (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 12:46:24

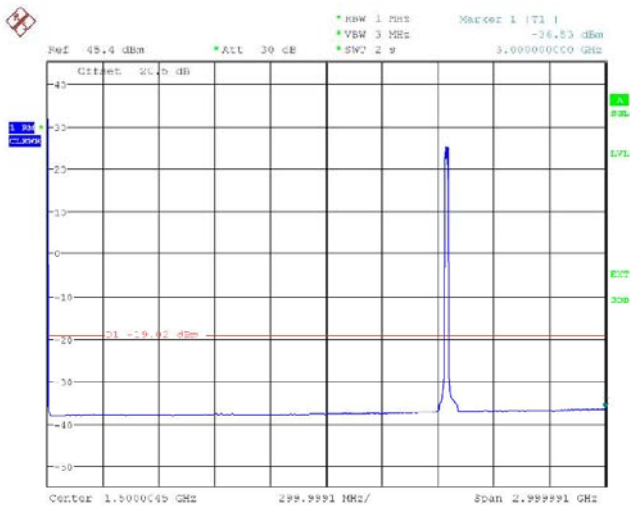
Figure 206 Spurious Emissions (Upper Band Edge) – QPSK (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

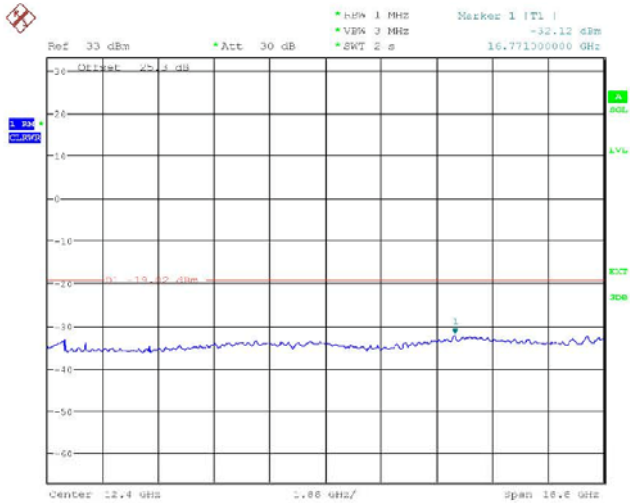
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 11:49:05

Figure 207 Spurious Emissions (9kHz – 3GHz) - QPSK (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 11:46:59

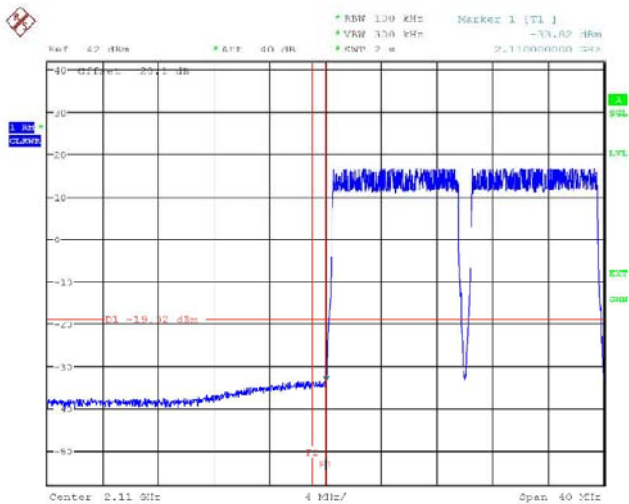
Figure 208 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

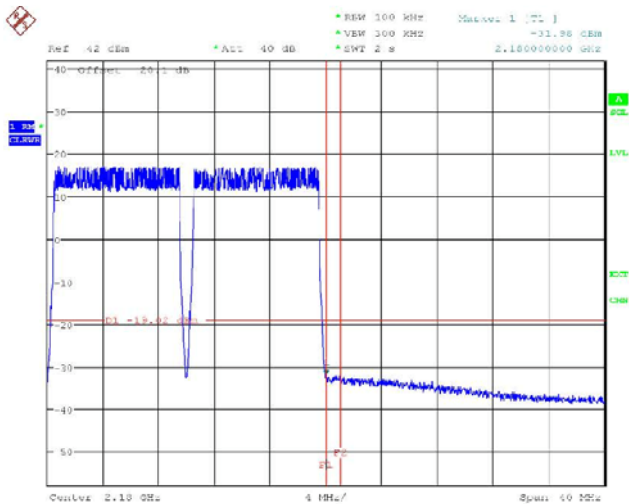
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 11:18:01

Figure 209 Spurious Emissions (Lower Band Edge) – 16QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 12:51:57

Figure 210 Spurious Emissions (Upper Band Edge) – 16QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)

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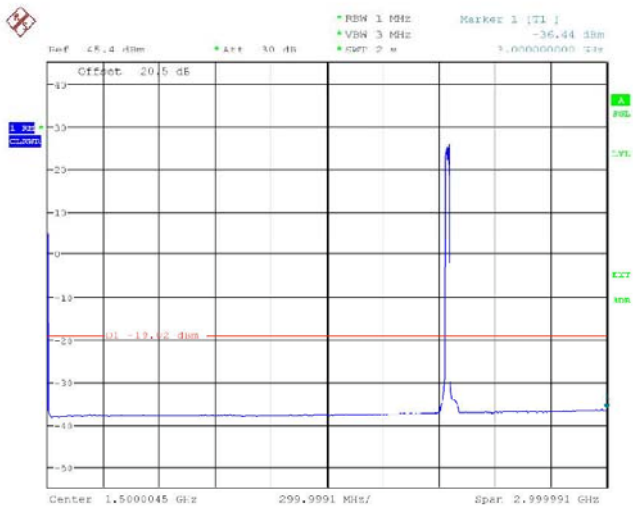
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Product Service

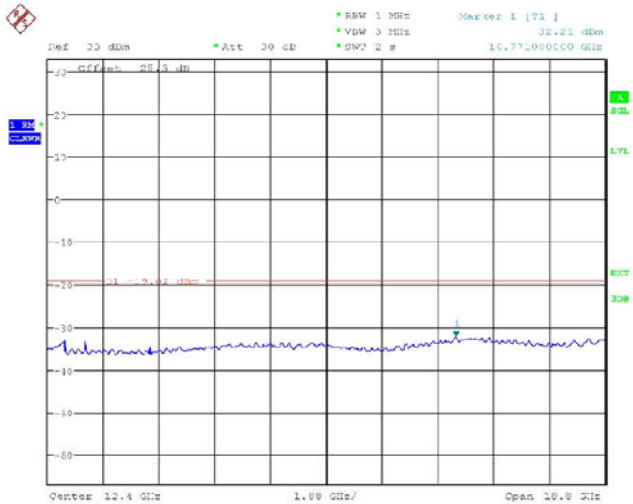
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 12:25:17

Figure 211 Spurious Emissions (9kHz – 3GHz) – 16QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 12:27:02

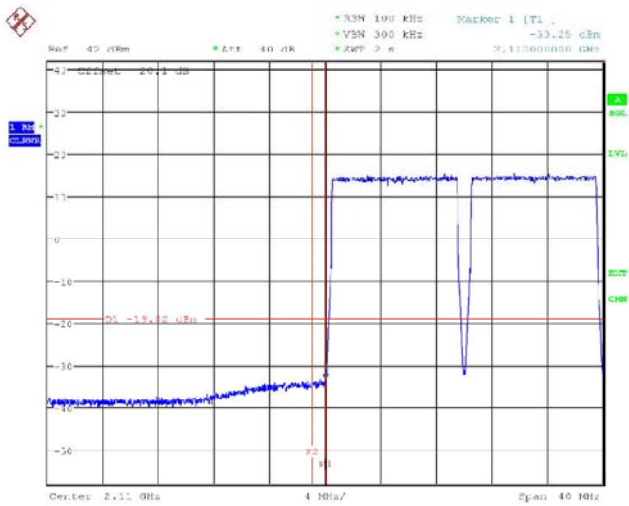
Figure 212 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

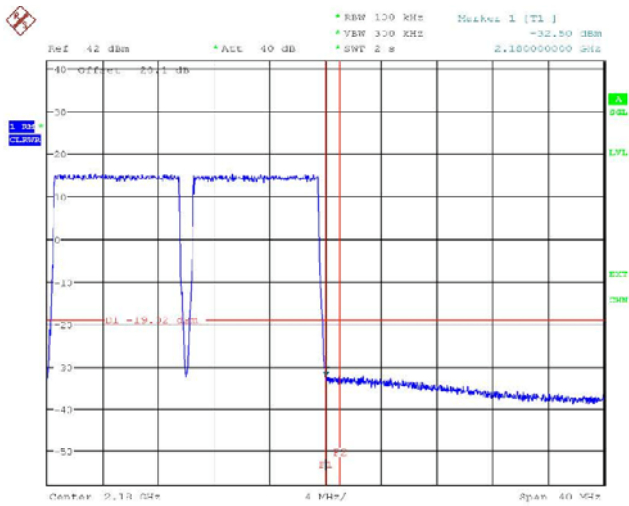
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 11:39:22

Figure 213 Spurious Emissions (Lower Band Edge) – 64QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 13:01:41

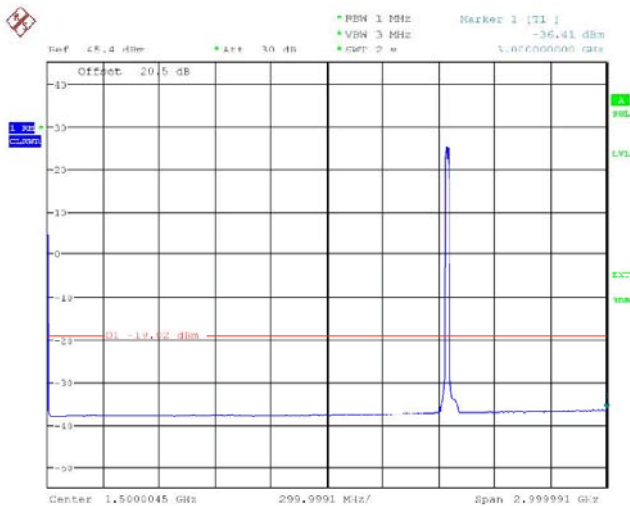
Figure 214 Spurious Emissions (Upper Band Edge) – 64QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

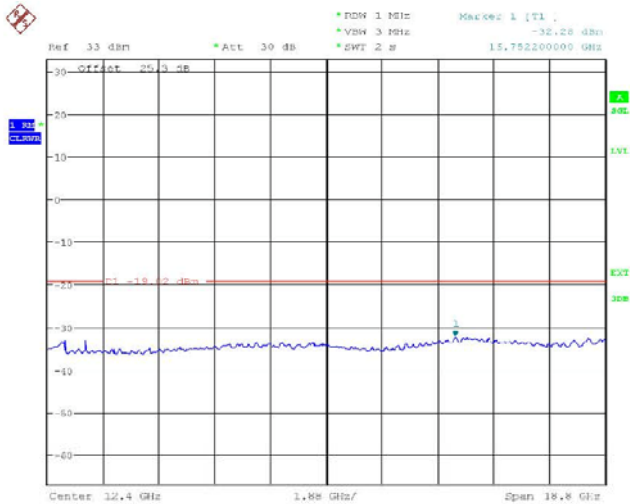
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 12:30:53

Figure 215 Spurious Emissions (9kHz – 3GHz) – 64QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 12:31:00

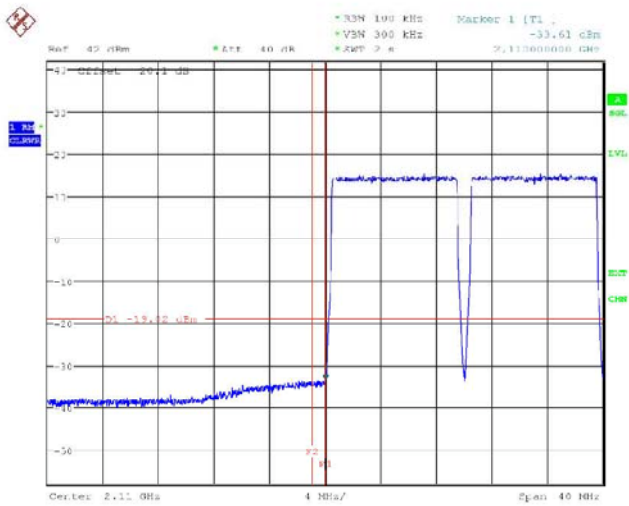
Figure 216 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

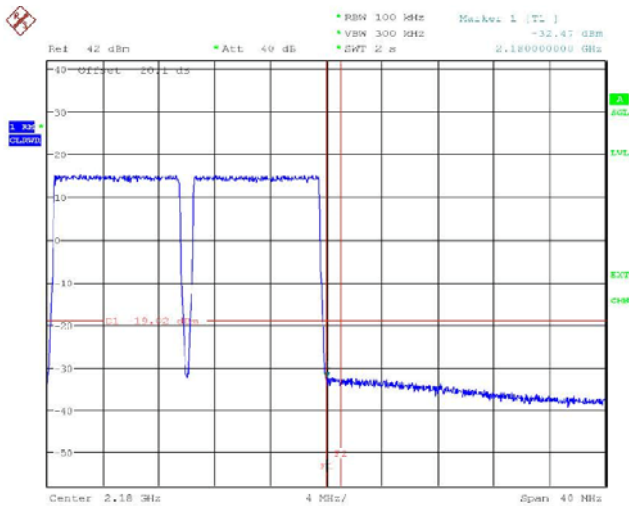
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 11:42:26

Figure 217 Spurious Emissions (Lower Band Edge) – 256QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 13:05:35

Figure 218 Spurious Emissions (Upper Band Edge) – 256QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)

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(2016)

16. May 2017

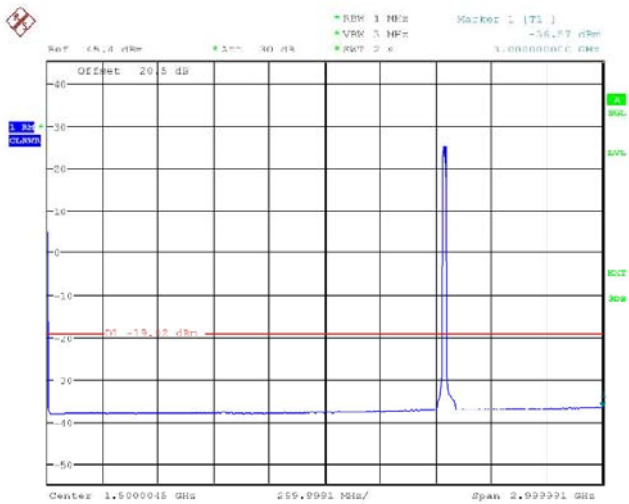
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Product Service

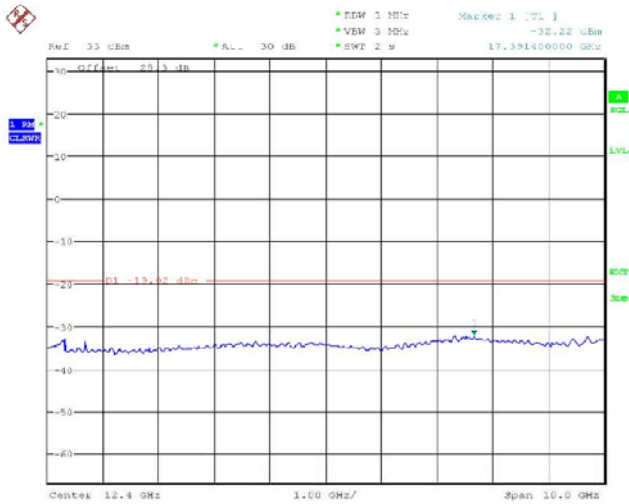
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 12:39:07

Figure 219 Spurious Emissions (9kHz – 3GHz) – 256QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 12:43:17

Figure 220 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)

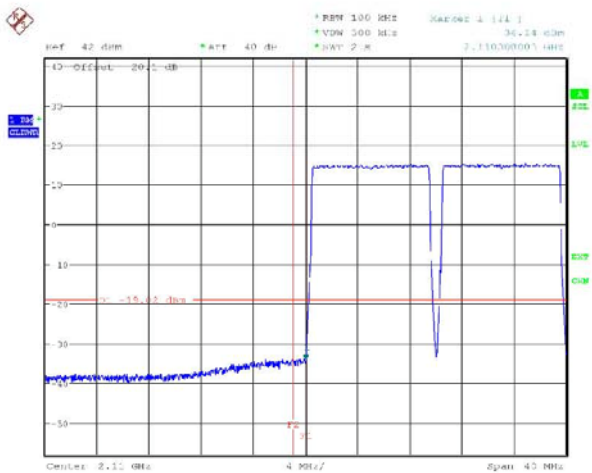


Product Service

FCC ID:
VBNAHIB-

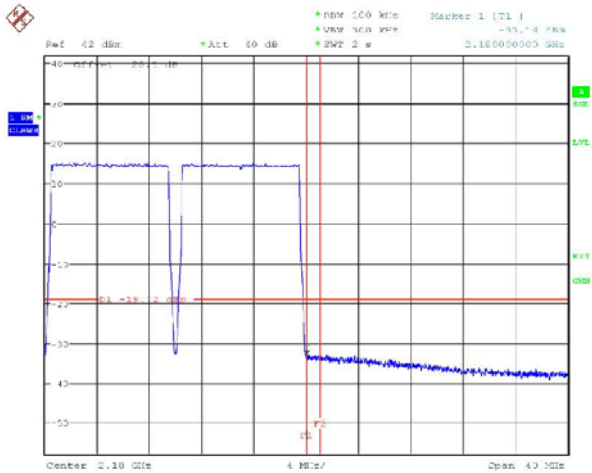
Test Report No:
D556049976

Config C ANT3:



Date: 2.MAY.2017 13:10:29

Figure 221 Spurious Emissions (Lower Band Edge) – QPSK (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 14:15:34

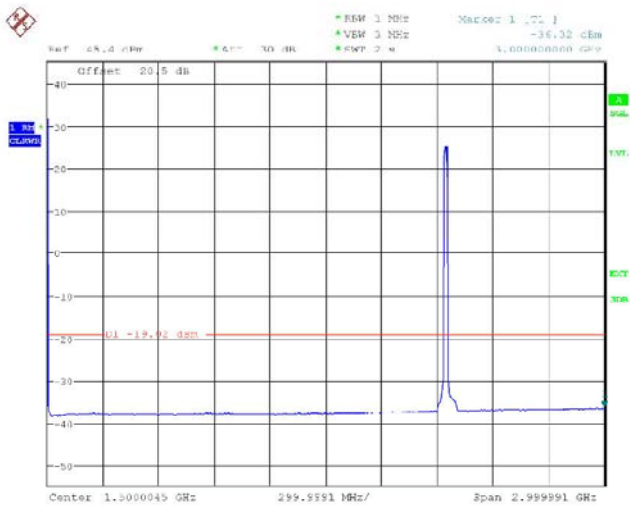
Figure 222 Spurious Emissions (Upper Band Edge) – QPSK (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

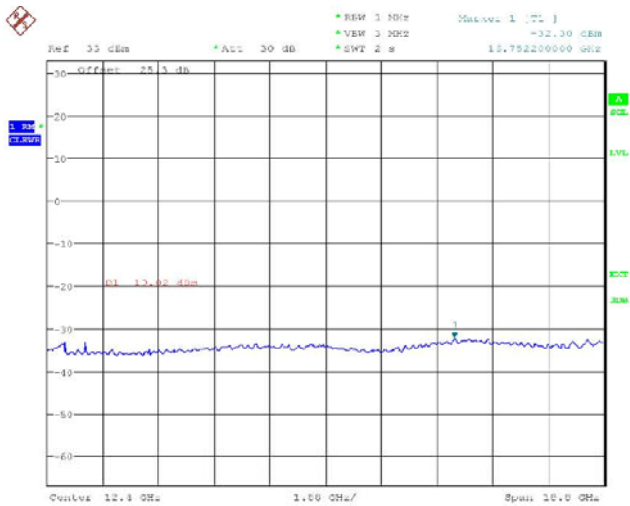
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 13:34:59

Figure 223 Spurious Emissions (9kHz – 3GHz) - QPSK (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 13:35:16

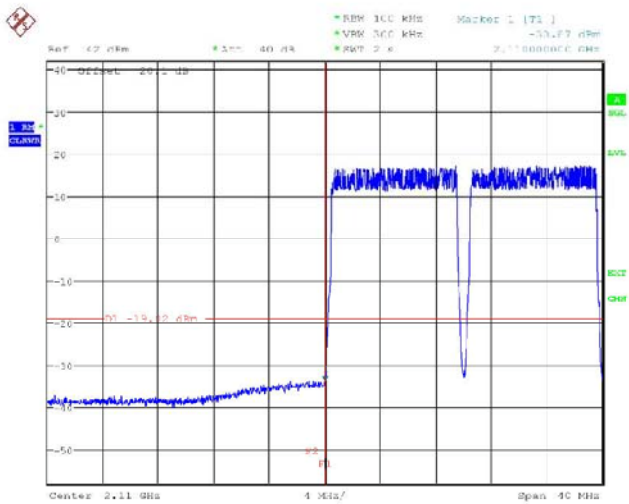
Figure 224 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

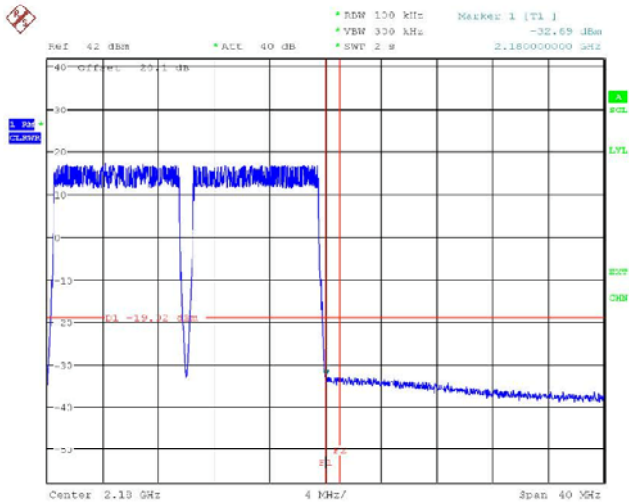
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 13:18:34

Figure 225 Spurious Emissions (Lower Band Edge) – 16QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 14:18:53

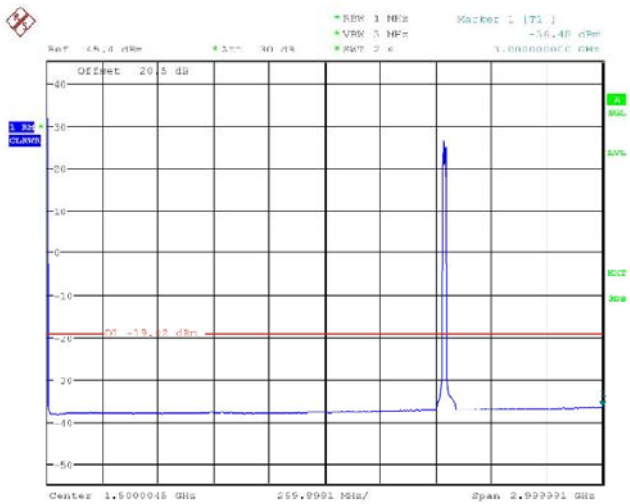
Figure 226 Spurious Emissions (Upper Band Edge) – 16QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

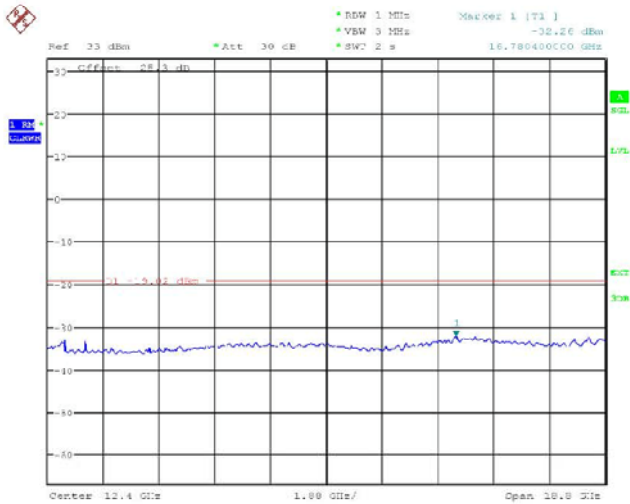
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 13:52:15

Figure 227 Spurious Emissions (9kHz – 3GHz) – 16QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 13:53:18

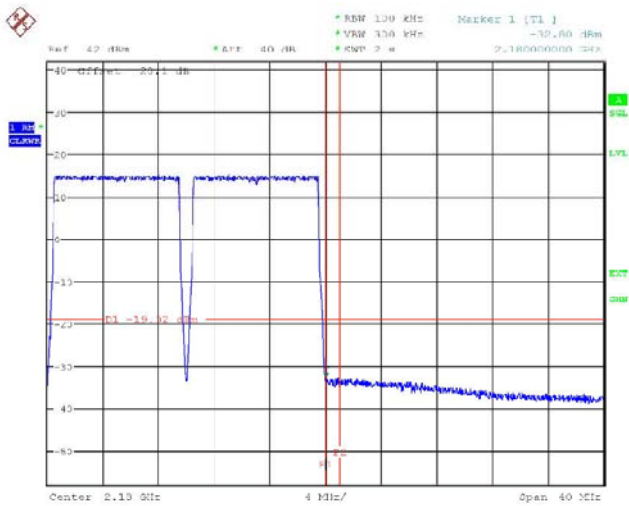
Figure 228 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

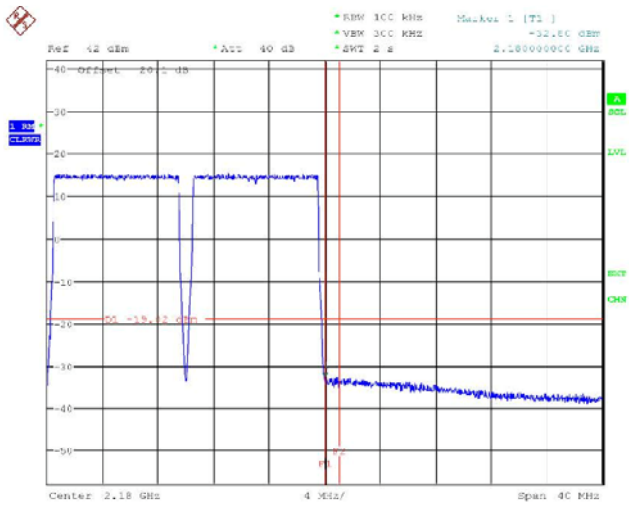
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 14:23:29

Figure 229 Spurious Emissions (Lower Band Edge) – 64QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 14:23:28

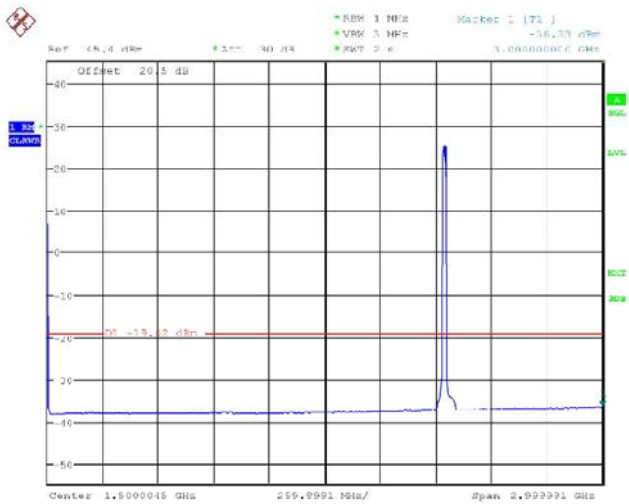
Figure 230 Spurious Emissions (Upper Band Edge) – 64QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

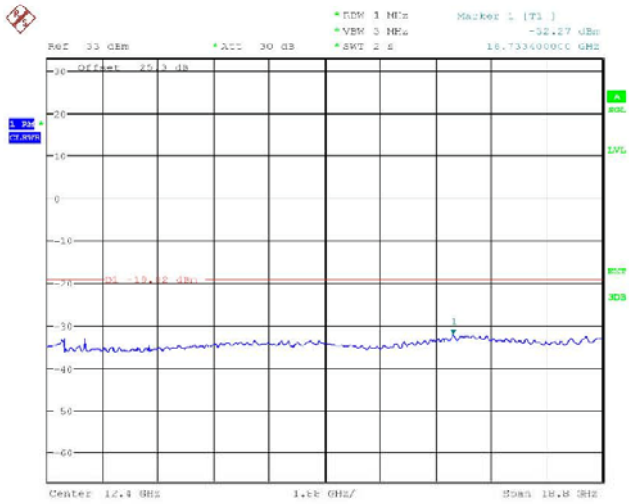
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 14:33:09

Figure 231 Spurious Emissions (9kHz – 3GHz) – 64QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 14:34:06

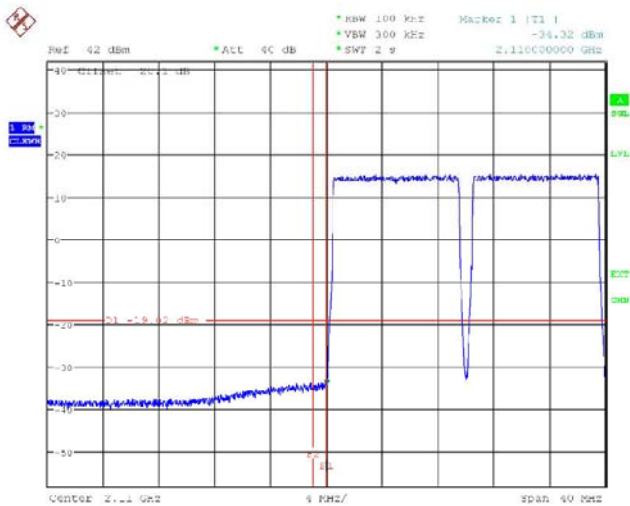
Figure 232 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

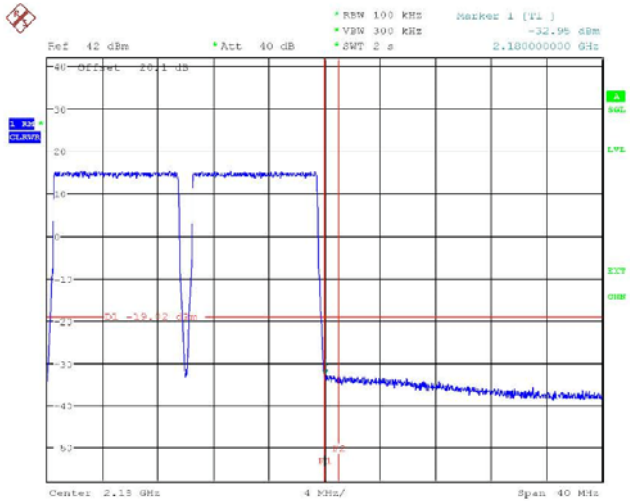
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.NOV.2017 13:25:57

Figure 233 Spurious Emissions (Lower Band Edge) – 256QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.NOV.2017 14:26:11

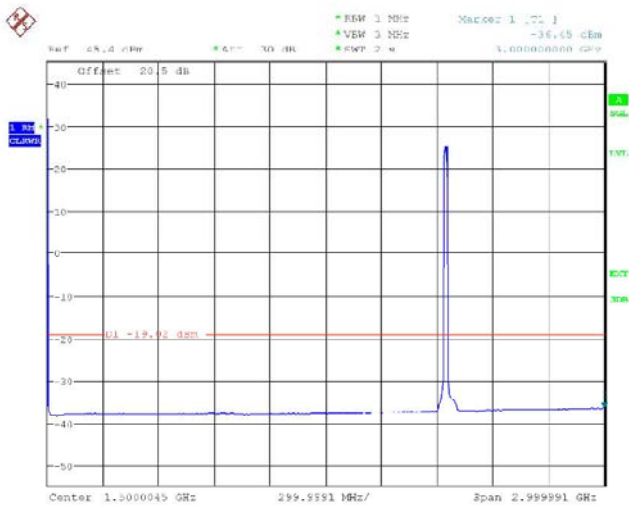
Figure 234 Spurious Emissions (Upper Band Edge) – 256QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

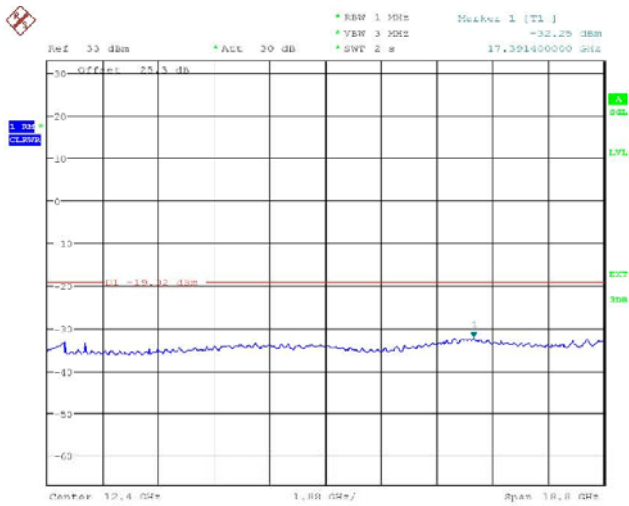
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 2.MAY.2017 14:09:27

Figure 235 Spurious Emissions (9kHz – 3GHz) – 256QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 2.MAY.2017 14:09:19

Figure 236 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)

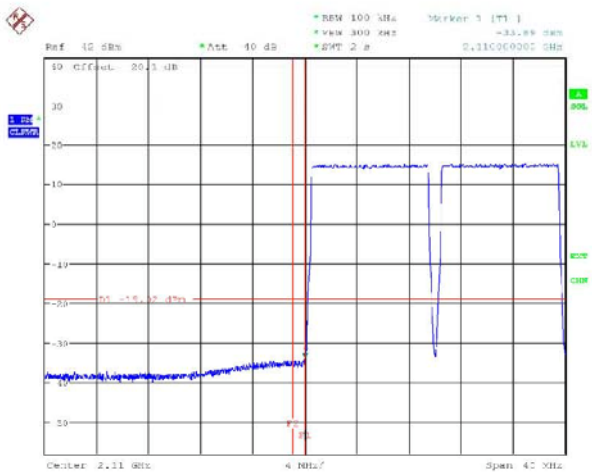


Product Service

FCC ID:
VBNAHIB-

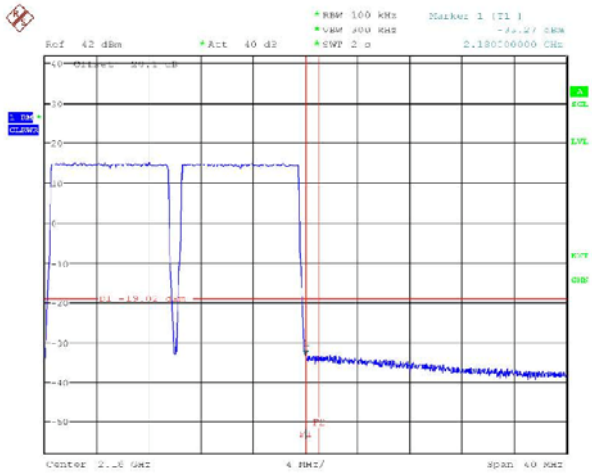
Test Report No:
D556049976

Config C ANT4:



Date: 3.MAY.2017 06:49:50

Figure 237 Spurious Emissions (Lower Band Edge) – QPSK (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 3.MAY.2017 08:22:30

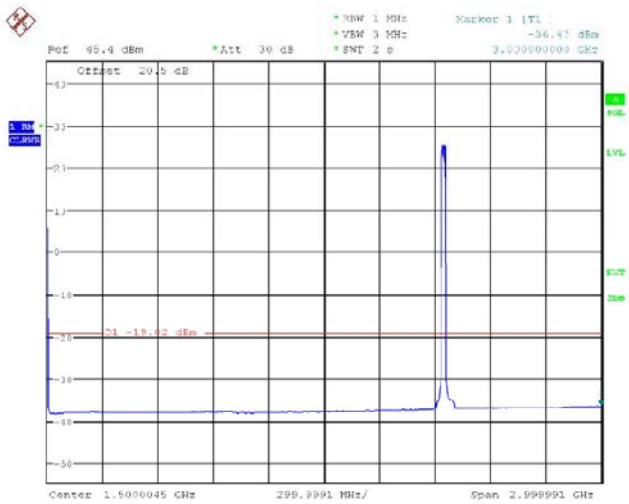
Figure 238 Spurious Emissions (Upper Band Edge) – QPSK (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

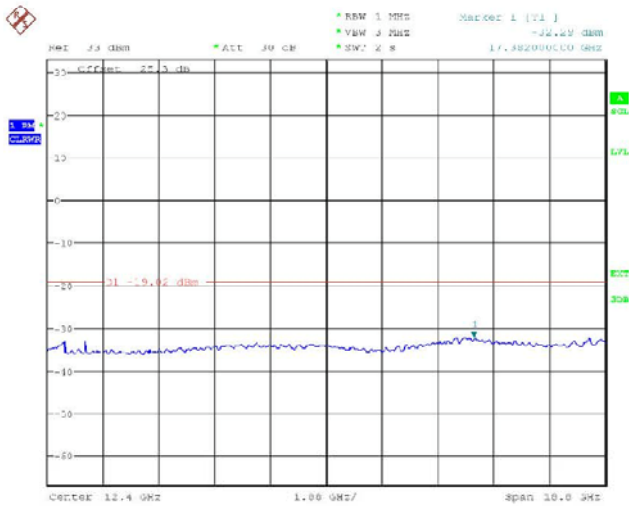
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 3.MAY.2017 08:01:21

Figure 239 Spurious Emissions (9kHz – 3GHz) - QPSK (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 3.MAY.2017 08:02:52

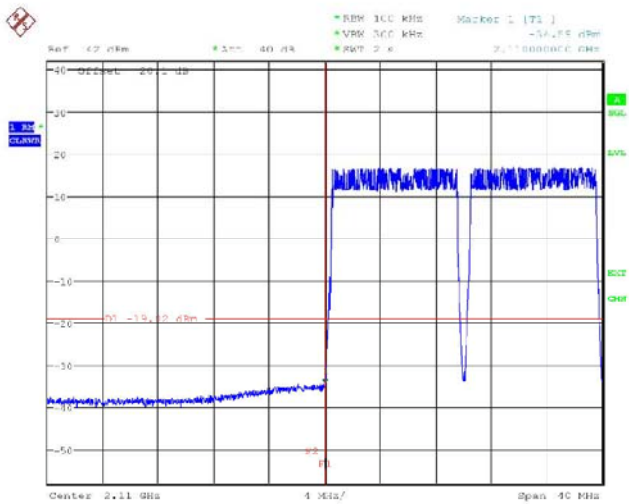
Figure 240 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

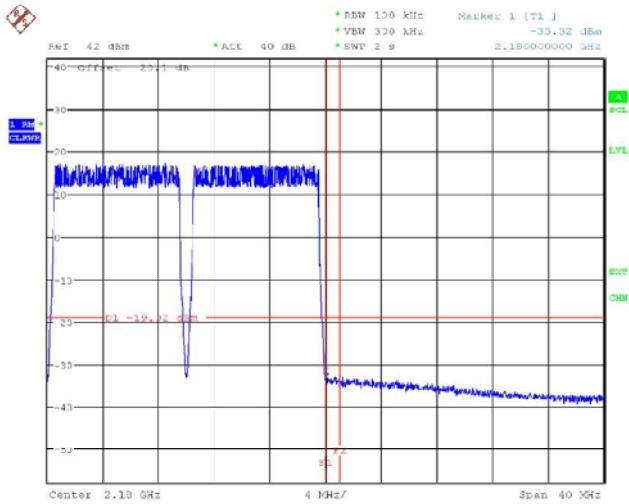
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 3.MAY.2017 07:47:31

Figure 241 Spurious Emissions (Lower Band Edge) – 16QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 3.MAY.2017 08:27:17

Figure 242 Spurious Emissions (Upper Band Edge) – 16QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)

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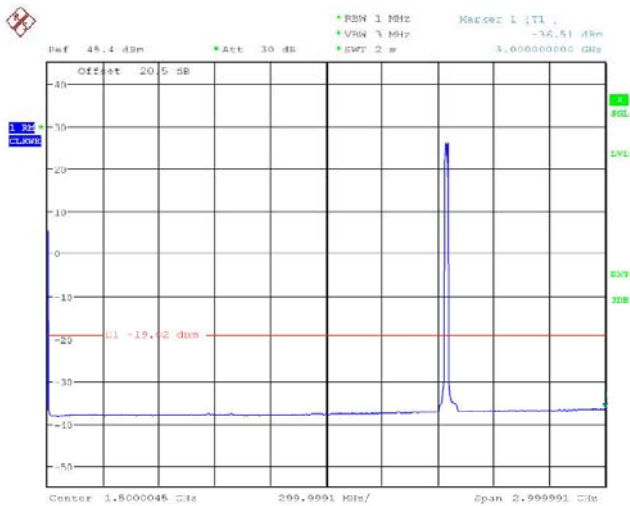
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Product Service

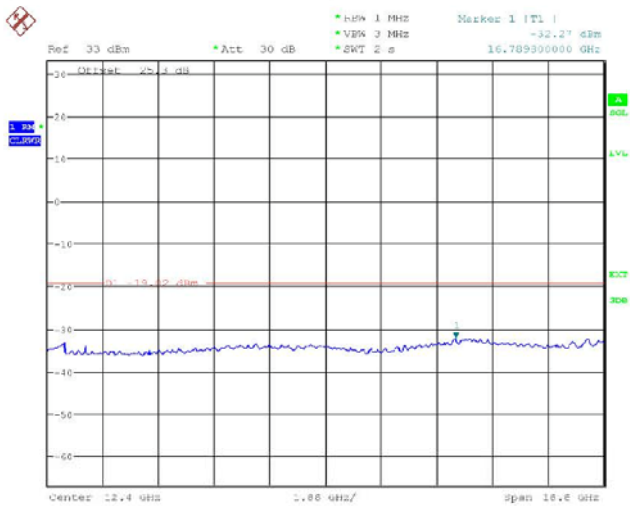
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 3.MAY.2017 08:06:21

Figure 243 Spurious Emissions (9kHz – 3GHz) – 16QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



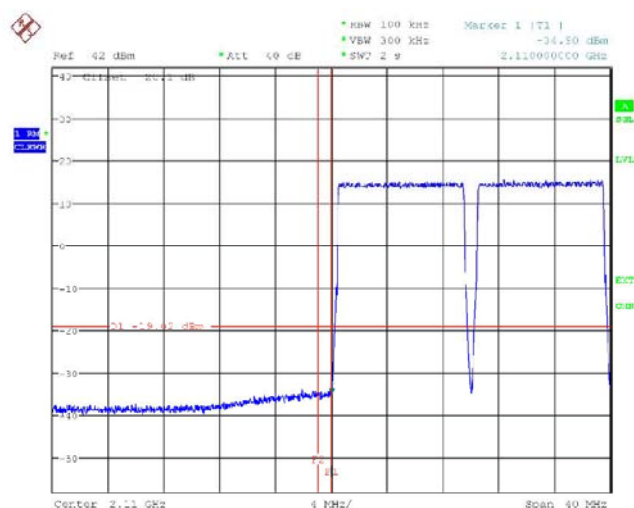
Date: 3.MAY.2017 08:07:15

Figure 244 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



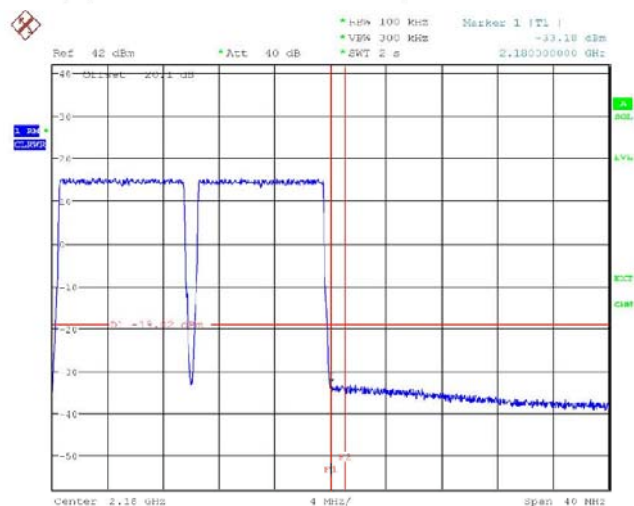
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 3.MAY.2017 07:50:50

Figure 245 Spurious Emissions (Lower Band Edge) – 64QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)



Date: 3.MAY.2017 08:51:11

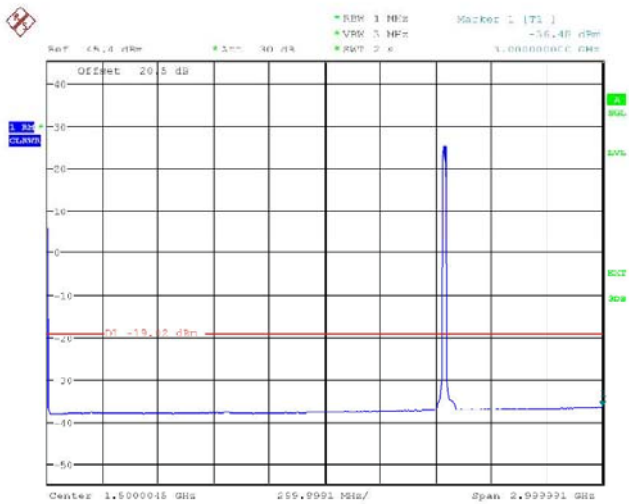
Figure 246 Spurious Emissions (Upper Band Edge) – 64QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

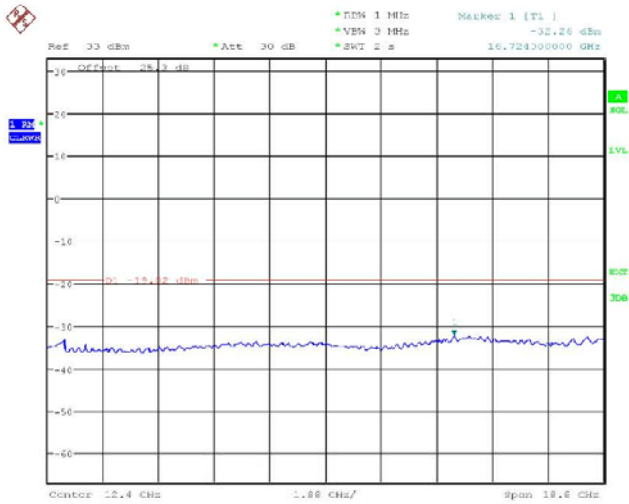
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 3.MAY.2017 08:10:43

Figure 247 Spurious Emissions (9kHz – 3GHz) – 64QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 3.MAY.2017 08:11:36

Figure 248 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

FCC ID:
VBNAHIB-

Test Report No:
D556049976

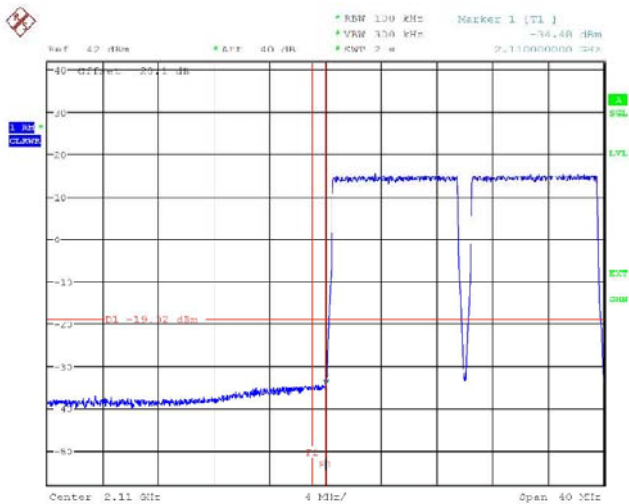


Figure 249 Spurious Emissions (Lower Band Edge) – 256QAM (2115.0/2125.0 MHz) (10 MHz/10MHz Channel BW)

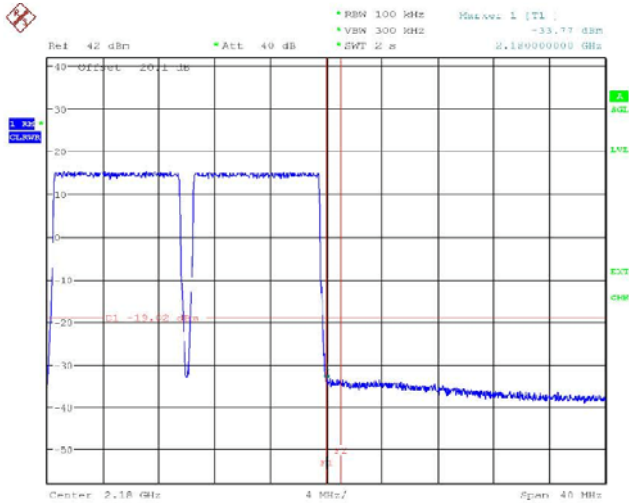


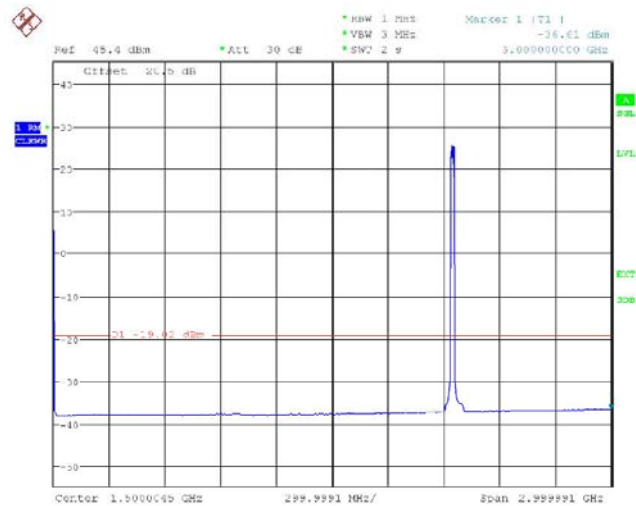
Figure 250 Spurious Emissions (Upper Band Edge) – 256QAM (2165.0/2175.0 MHz) (10 MHz/10MHz Channel BW)



Product Service

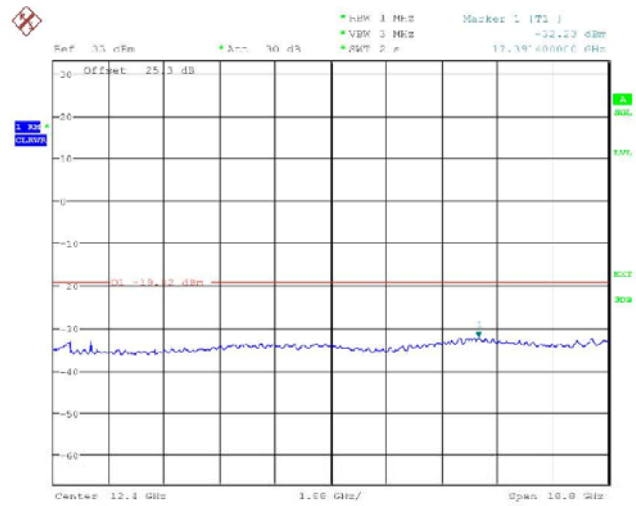
FCC ID:
VBNAHIB-

Test Report No:
D556049976



Date: 3.MAY.2017 08:15:14

Figure 251 Spurious Emissions (9kHz – 3GHz) – 256QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



Date: 3.MAY.2017 08:16:15

Figure 252 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2140.0/2150.0 MHz) (10 MHz/10MHz Channel BW)



FCC ID:
VBNAHIB-

Test Report No:
D556049976

5.2.4. Test No. 5: Field Strength of Spurious Radiation

Config A, B, C:

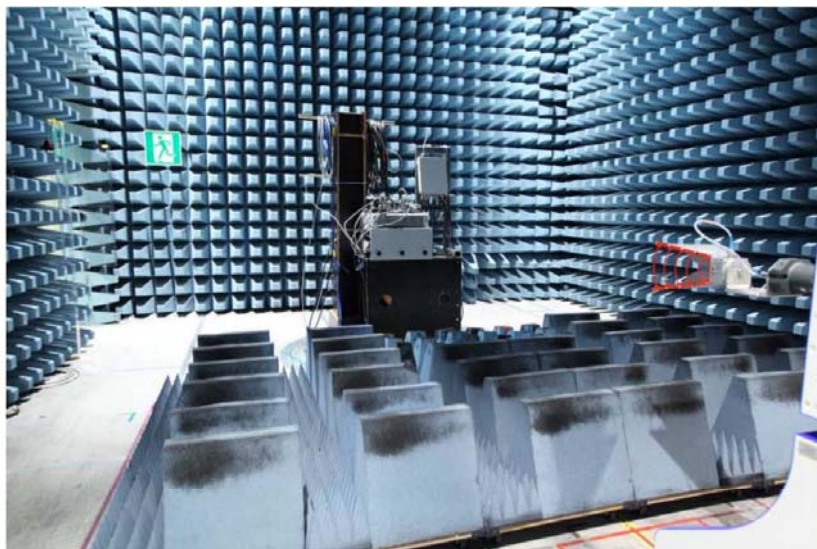


Figure 253 Photograph of the anechoic chamber with the EUT



Product Service

FCC ID:
VBNAHIB-

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D556049976

Config A:

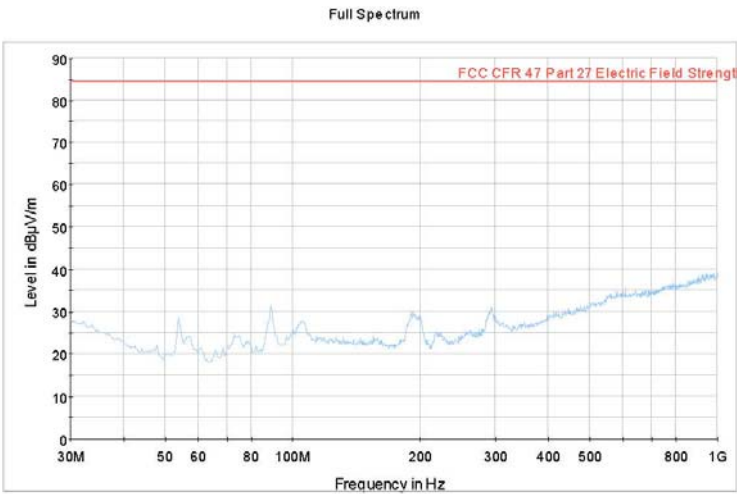


Figure 254 Radiated Emission 30 MHz – 1 GHz (2115 MHz) (10MHz Channel BW)

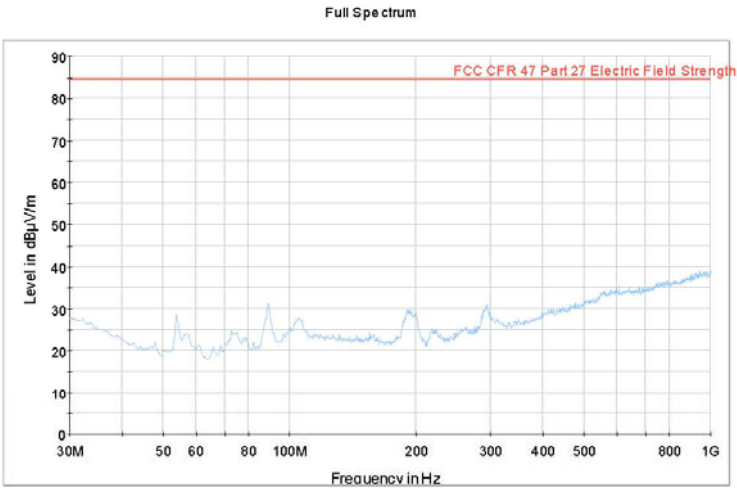


Figure 255 Radiated Emission 30 MHz – 1 GHz (2145 MHz) (10MHz Channel BW)



Product Service

FCC ID:
VBNAHIB-

Test Report No:
D556049976

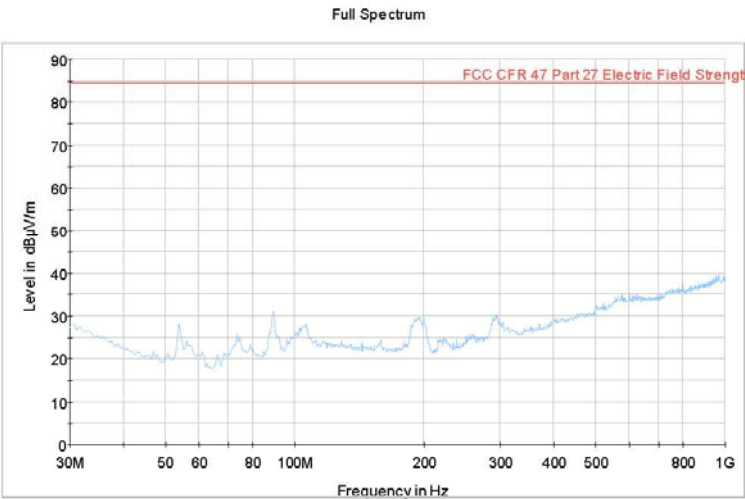


Figure 256 Radiated Emission 30 MHz – 1 GHz (2175 MHz) (10MHz Channel BW)

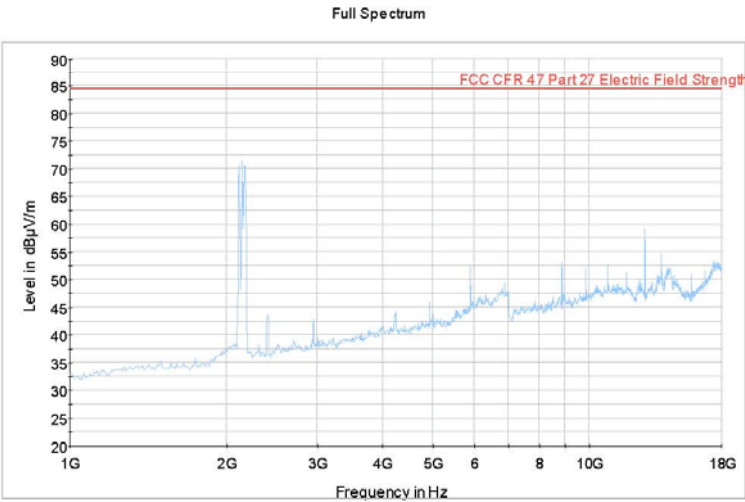


Figure 257 Radiated Emission 1 GHz – 18 GHz (2115 MHz) (10MHz Channel BW)



Product Service

FCC ID:
VBNAHIB-

Test Report No:
D556049976

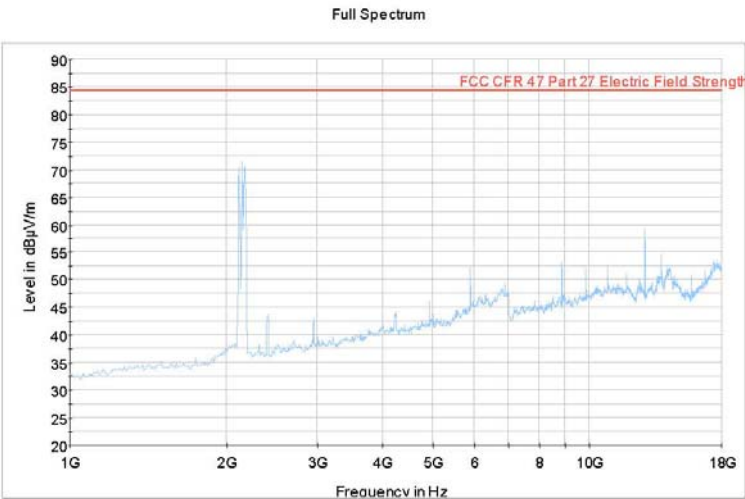


Figure 258 Radiated Emission 1 GHz – 18 GHz (2145 MHz) (10MHz Channel BW)

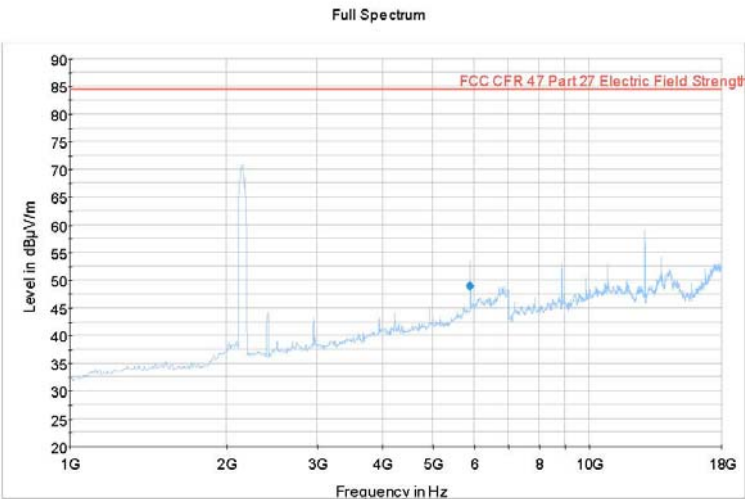


Figure 259 Radiated Emission 1 GHz – 18 GHz (2175 MHz) (10MHz Channel BW)



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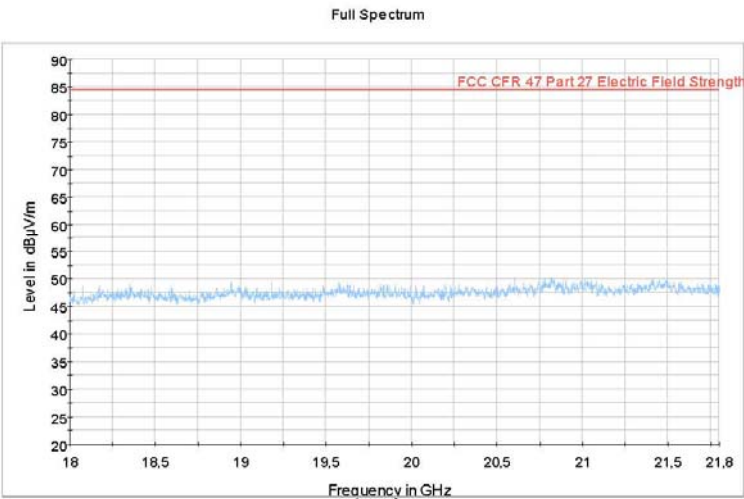


Figure 260 Radiated Emission 18 GHz – 21.8 GHz (2115 MHz) (10MHz Channel BW)

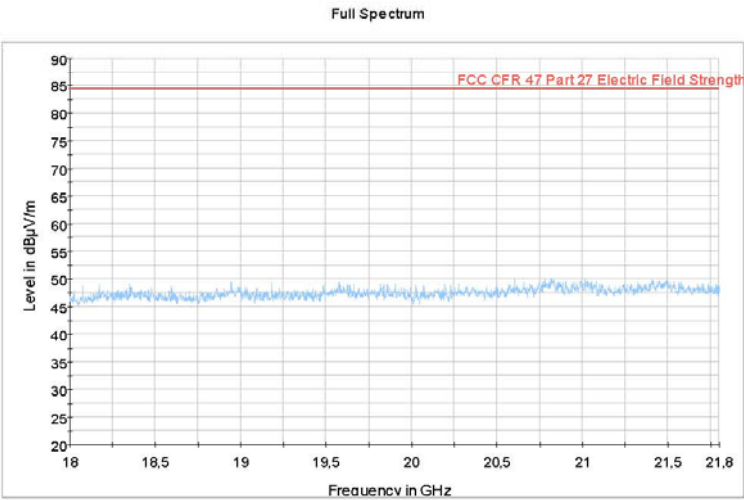


Figure 261 Radiated Emission 18 GHz – 21.8 GHz (2145 MHz) (10MHz Channel BW)



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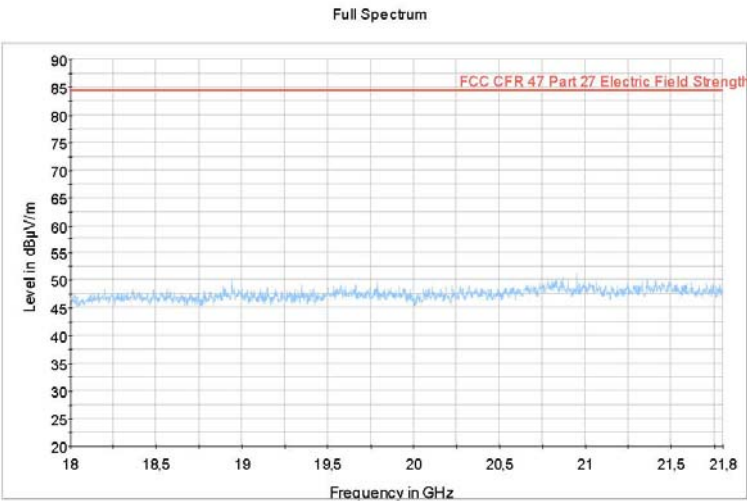


Figure 262 Radiated Emission 18 GHz – 21.8 GHz (2175 MHz) (10MHz Channel BW)

Config B:

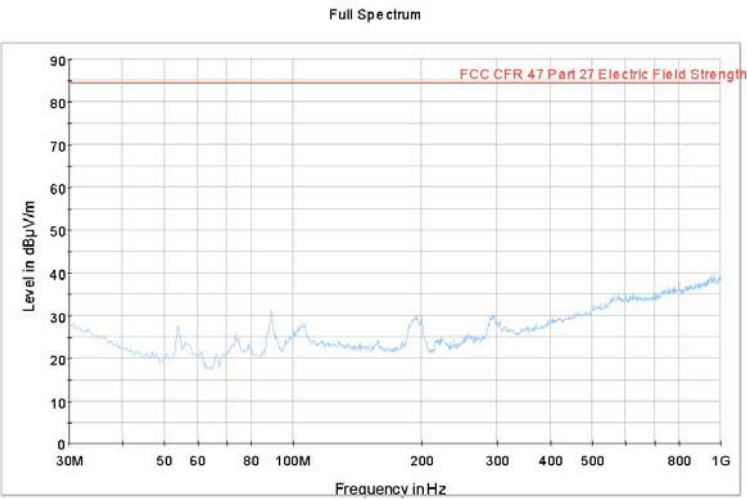


Figure 263 Radiated Emission 30 MHz – 1 GHz (2120 MHz) (20MHz Channel BW)



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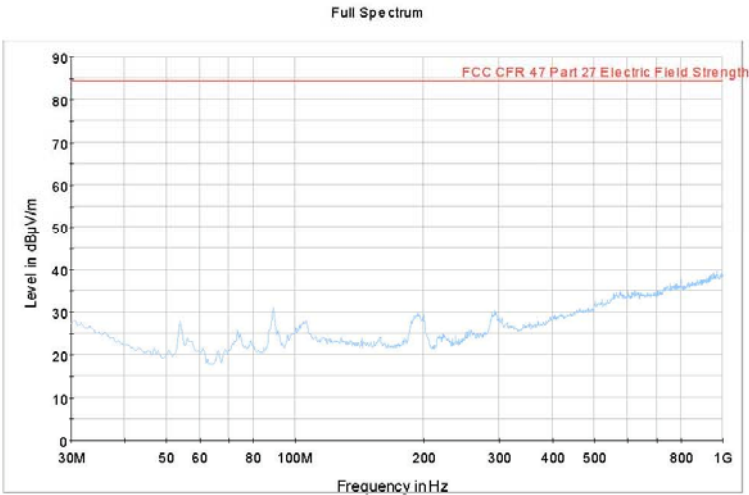


Figure 264 Radiated Emission 30 MHz – 1 GHz (2145 MHz) (20MHz Channel BW)

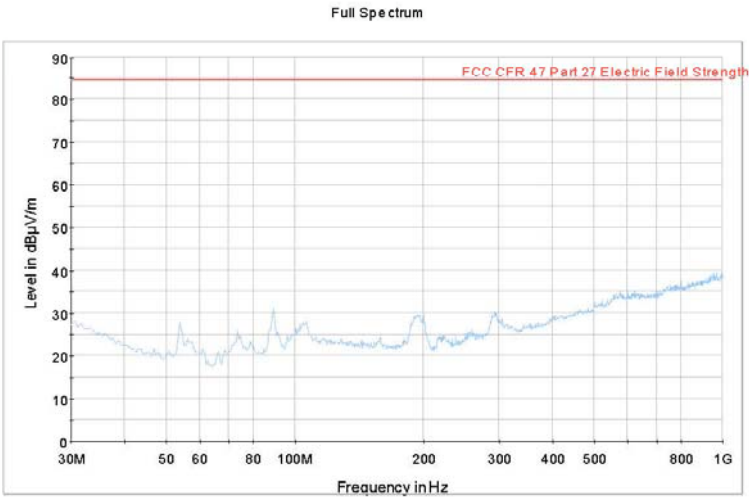


Figure 265 Radiated Emission 30 MHz – 1 GHz (2170 MHz) (20MHz Channel BW)



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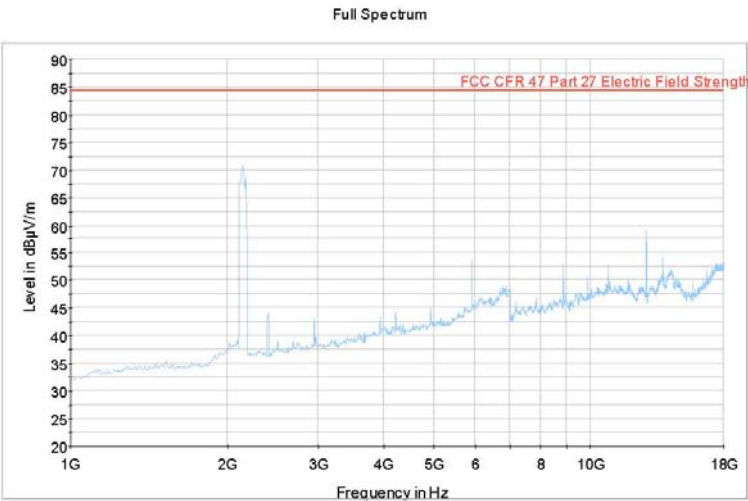


Figure 266 Radiated Emission 1 GHz – 18GHz (2120 MHz) (20MHz Channel BW)

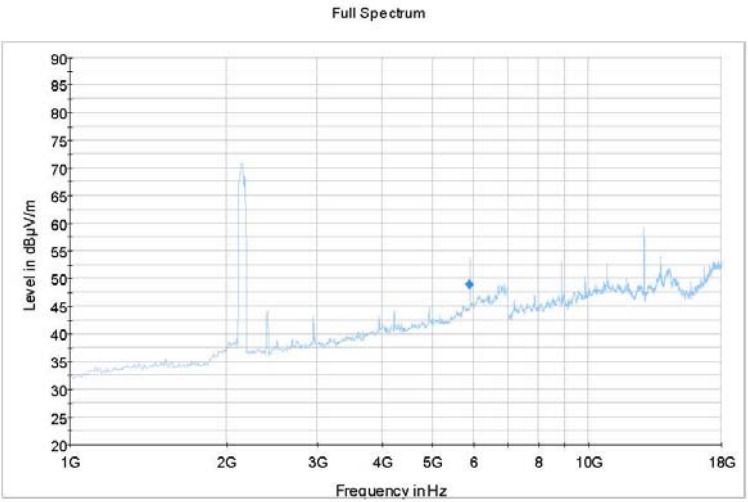


Figure 267 Radiated Emission 1 GHz – 18GHz (2145 MHz) (20MHz Channel BW)



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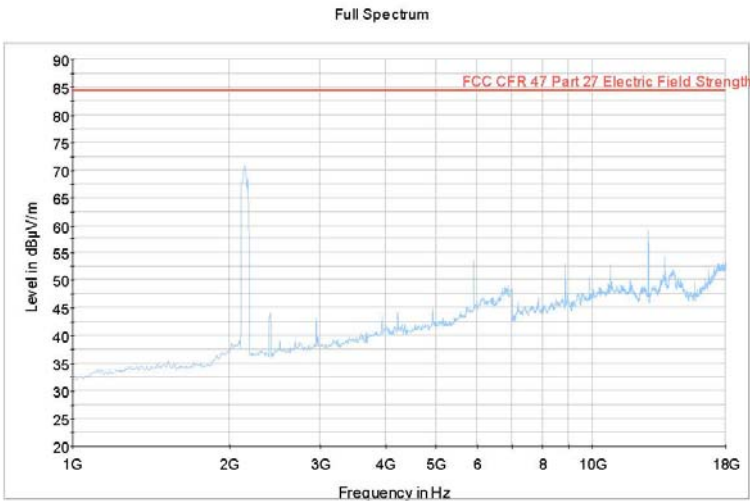


Figure 268 Radiated Emission 1 GHz – 18 GHz (2170 MHz) (20MHz Channel BW)

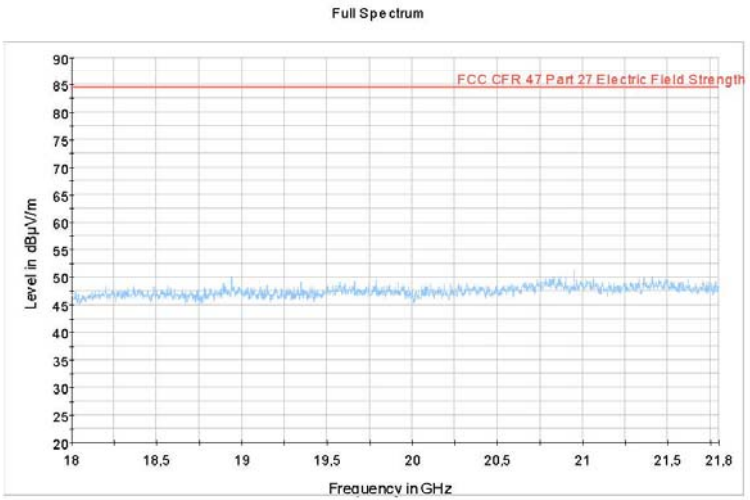


Figure 269 Radiated Emission 18 GHz – 21.8 GHz (2120 MHz) (20MHz Channel BW)



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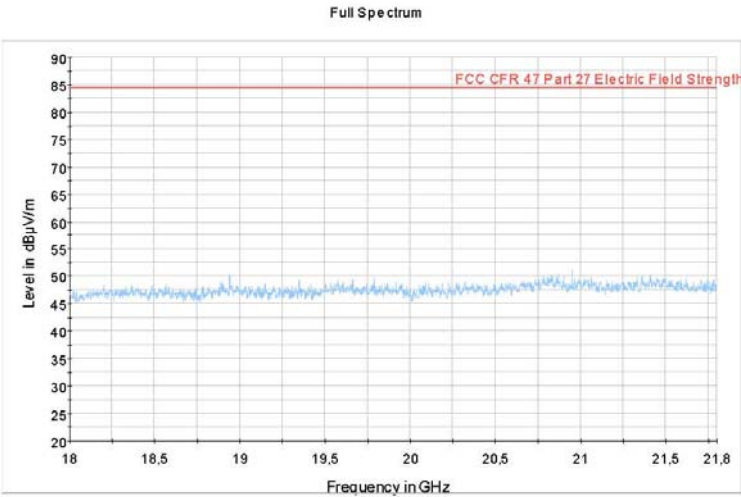


Figure 270 Radiated Emission 18 GHz – 21.8 GHz (2145 MHz) (20MHz Channel BW)

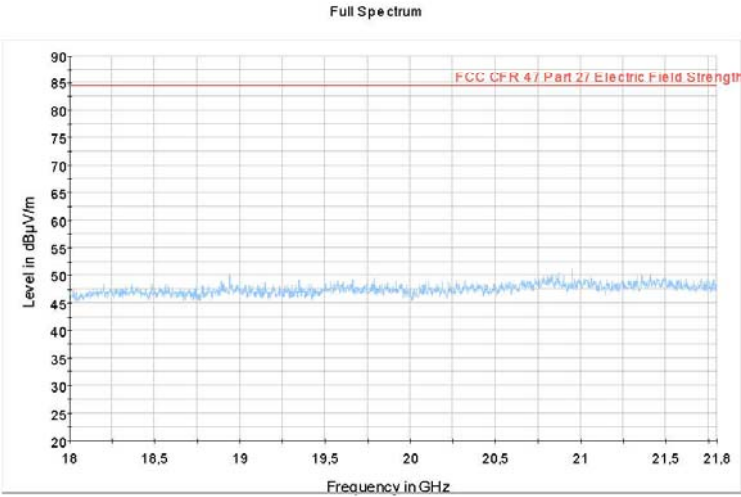


Figure 271 Radiated Emission 18 GHz – 21.8 GHz (2170 MHz) (20MHz Channel BW)



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Config C:

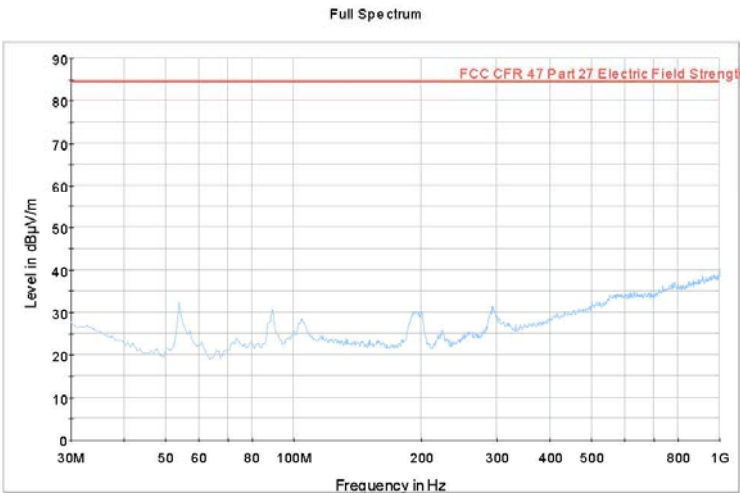


Figure 272 Radiated Emission 30 MHz – 1 GHz (2115/2125 MHz)
(10MHz+10MHz Channel BW)

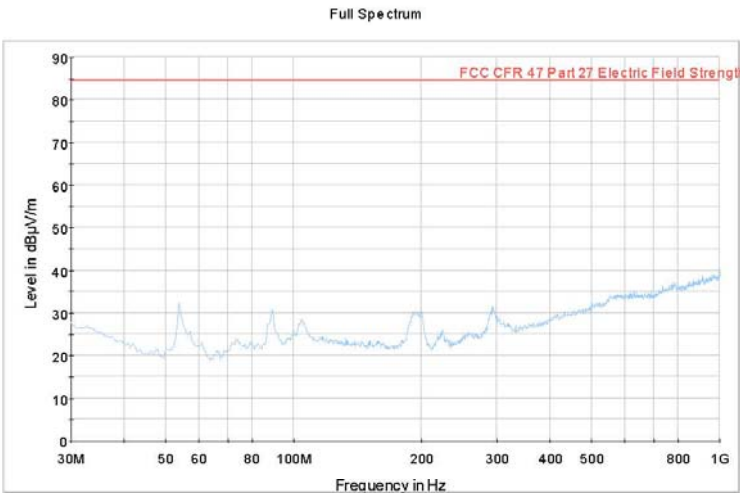


Figure 273 Radiated Emission 30 MHz – 1 GHz (2140/2150MHz)
(10MHz+10MHz Channel BW)



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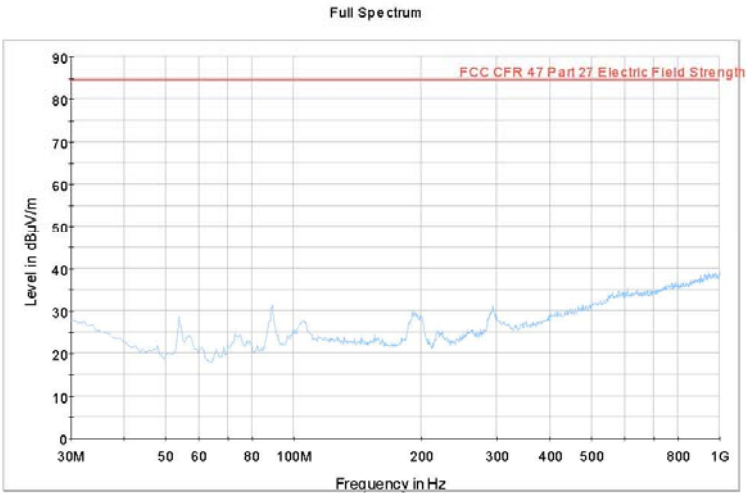


Figure 274 Radiated Emission 30 MHz – 1 GHz (2165/2175MHz)
(10MHz+10MHz Channel BW)

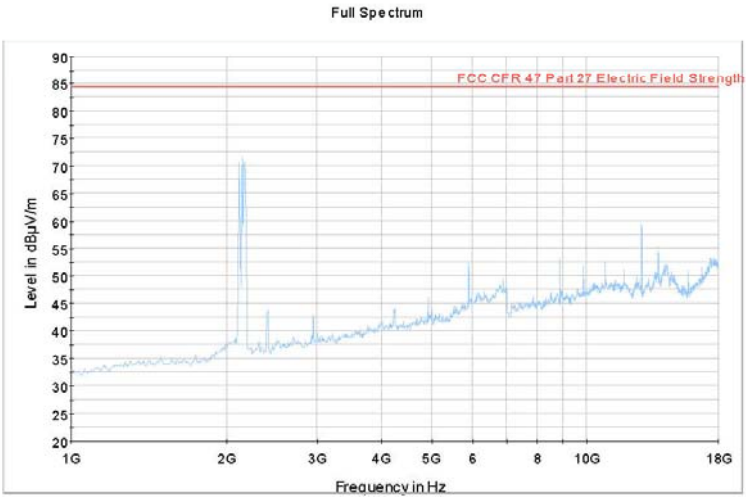


Figure 275 Radiated Emission 1 GHz – 18GHz (2115/2125 MHz)
(10MHz+10MHz Channel BW)



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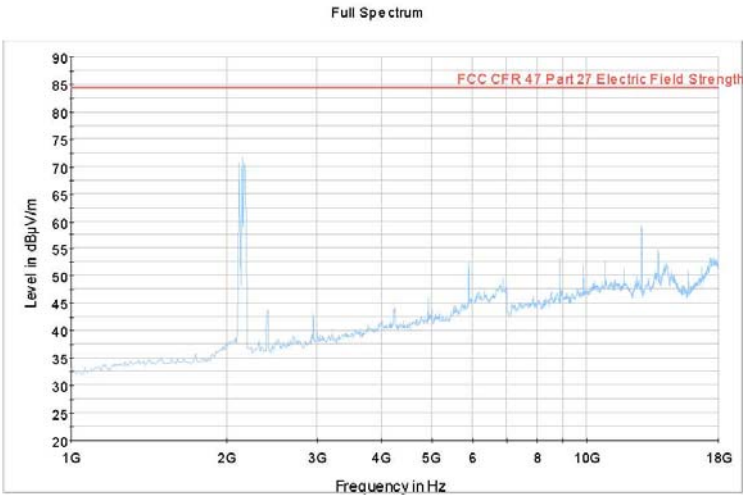


Figure 276 Radiated Emission 1 GHz – 18GHz (2140/2150MHz)
(10MHz+10MHz Channel BW)

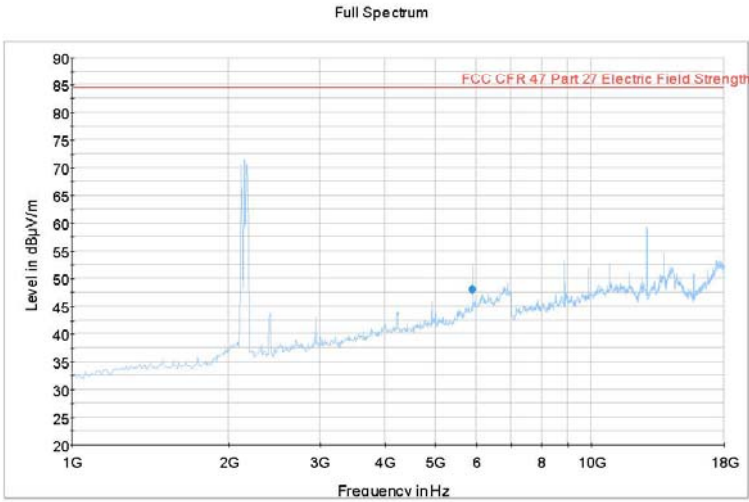


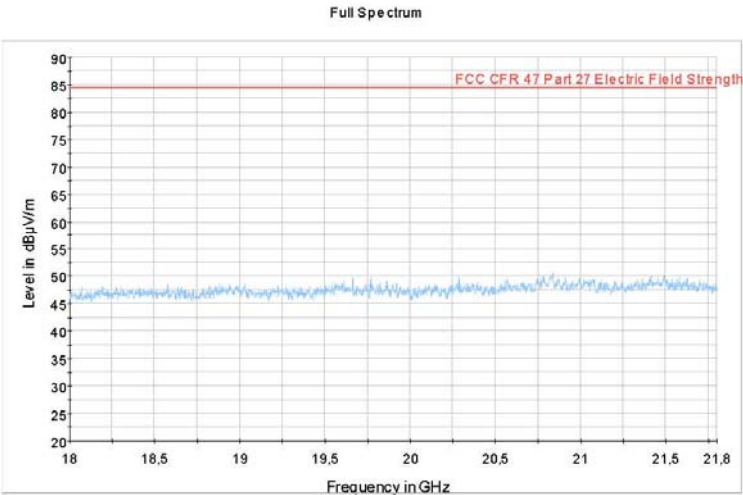
Figure 277 Radiated Emission 1 GHz – 18 GHz (2165/2175MHz)
(10MHz+10MHz Channel BW)



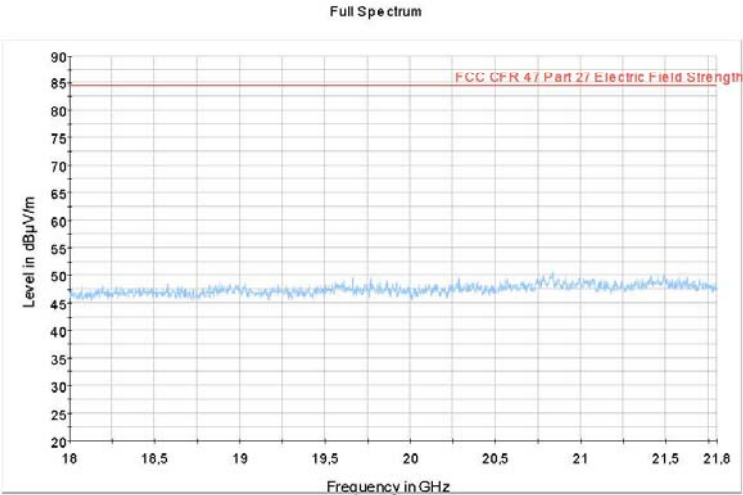
Product Service

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**Figure 278 Radiated Emission 18 GHz – 21.8 GHz (2115/2125 MHz)
(10MHz+10MHz Channel BW)**

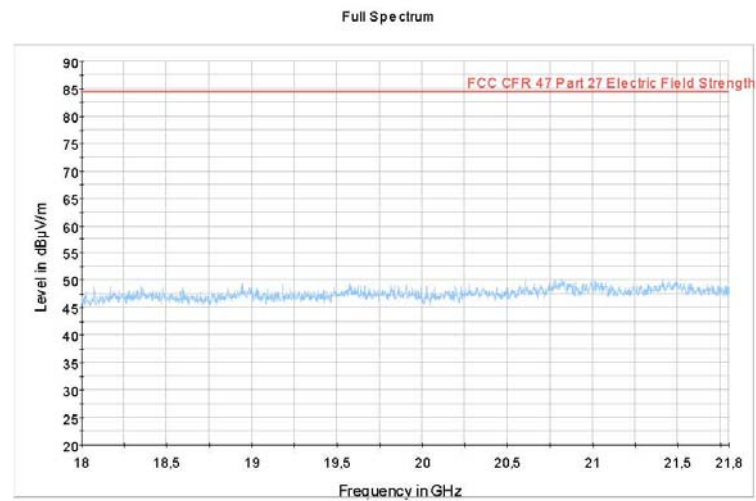


**Figure 279 Radiated Emission 18 GHz – 21.8 GHz (2140/2150MHz)
(10MHz+10MHz Channel BW)**



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**Figure 280 Radiated Emission 18 GHz – 21.8 GHz (2165/2175MHz)
(10MHz+10MHz Channel BW)**