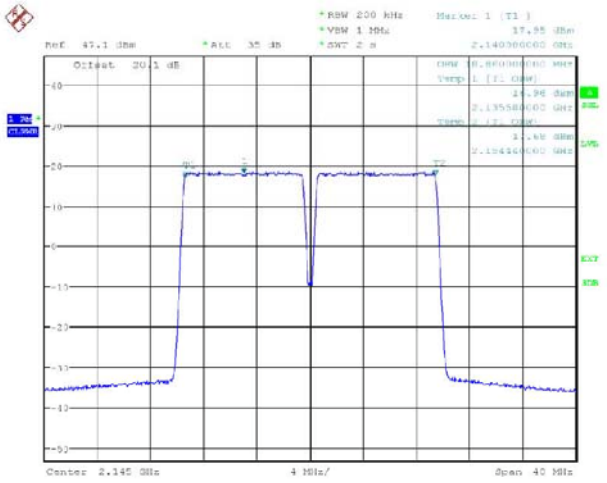


Figure 55 Occupied Bandwidth – 64QAM (2140/2150 MHz) (10+10MHz Channel BW)

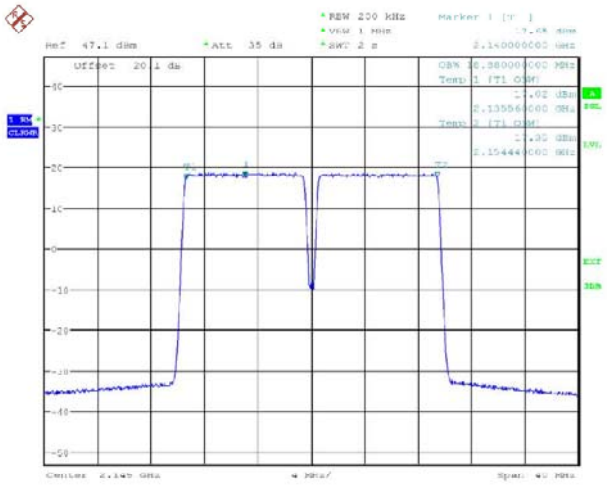


Figure 56 Occupied Bandwidth – 256QAM (2140/2150 MHz) (10+10MHz Channel BW)

Config C ANT4:

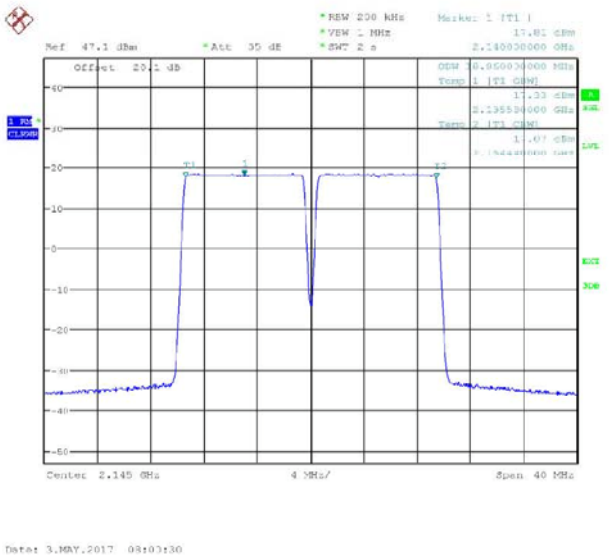


Figure 57 Occupied Bandwidth – QPSK (2140/2150 MHz) (10+10MHz Channel BW)

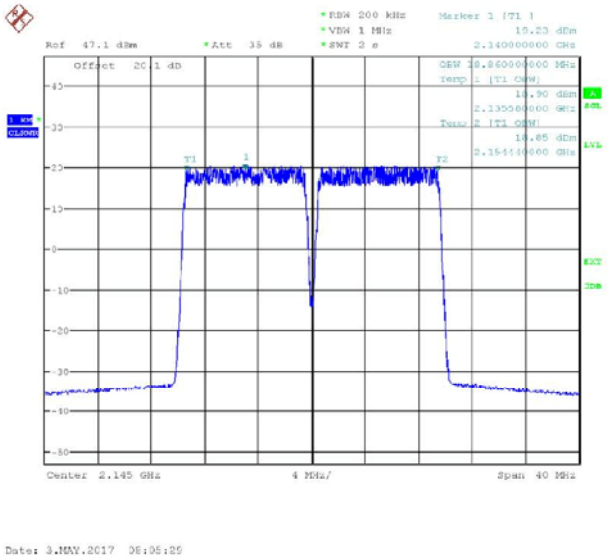


Figure 58 Occupied Bandwidth – 16QAM (2140/2150 MHz) (10+10MHz channel BW)

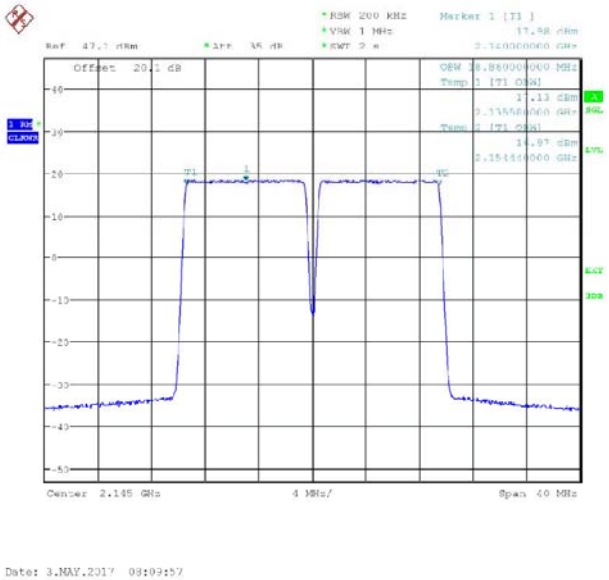


Figure 59 Occupied Bandwidth – 64QAM (2140/2150 MHz) (10+10MHz Channel BW)

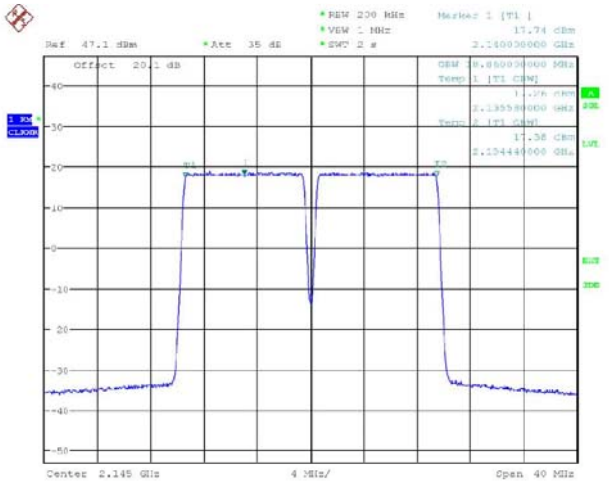


Figure 60 Occupied Bandwidth – 256QAM (2140/2150 MHz) (10+10MHz Channel BW)

5.2.3. Test No. 4: Spurious Emissions at the Antenna Terminals

The external attenuation (cable loss of the setup) can be seen as the 'Offset' value in the screenshots. The external attenuation is frequency dependant. Thus the various 'Offset' values in the screenshots may differ.

Config A ANT1:

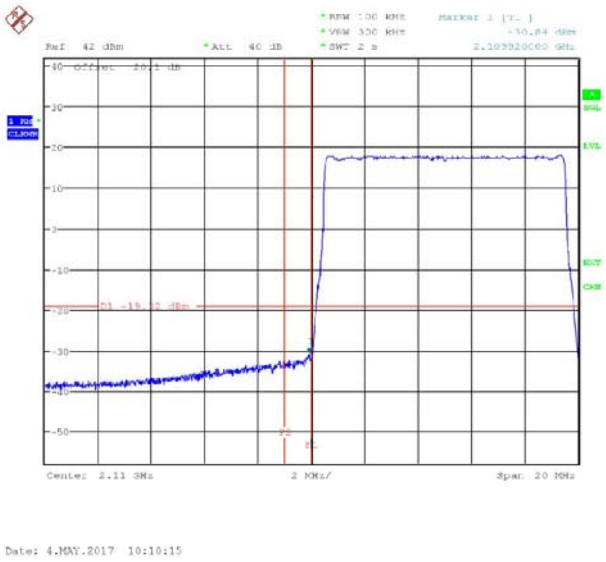


Figure 61 Spurious Emissions (Lower Band Edge) – QPSK (2115.0 MHz) (10MHz Channel BW)

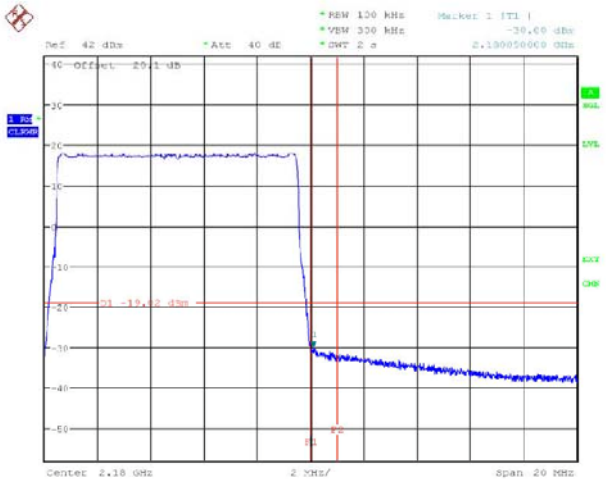


Figure 62 Spurious Emissions (Upper Band Edge) – QPSK (2175.0 MHz) (10MHz Channel BW)

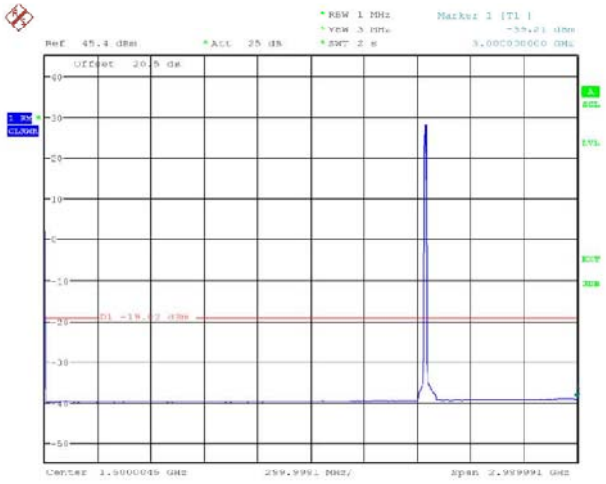


Figure 63 Spurious Emissions (9kHz – 3GHz) - QPSK (2145.0) (10MHz Channel BW)

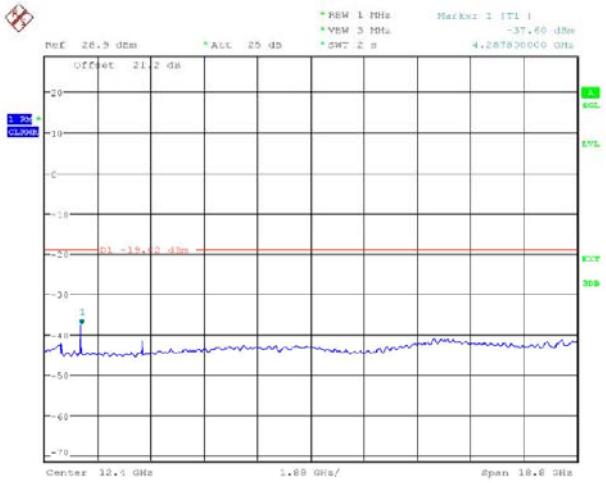


Figure 64 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2145.0 MHz) (10MHz Channel BW)

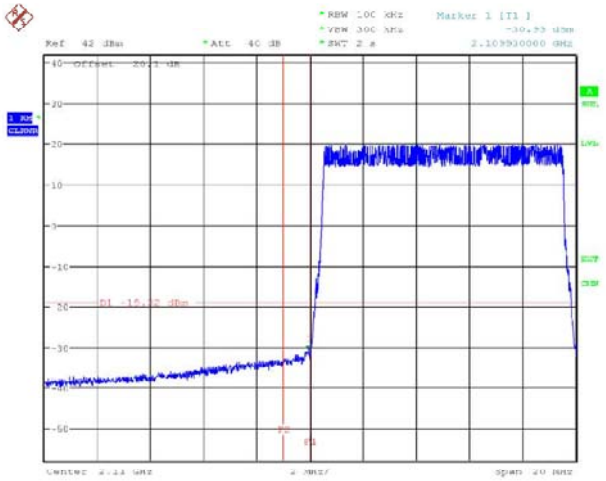


Figure 65 Spurious Emissions (Lower Band Edge) – 16QAM (2115.0 MHz) (10MHz Channel BW)

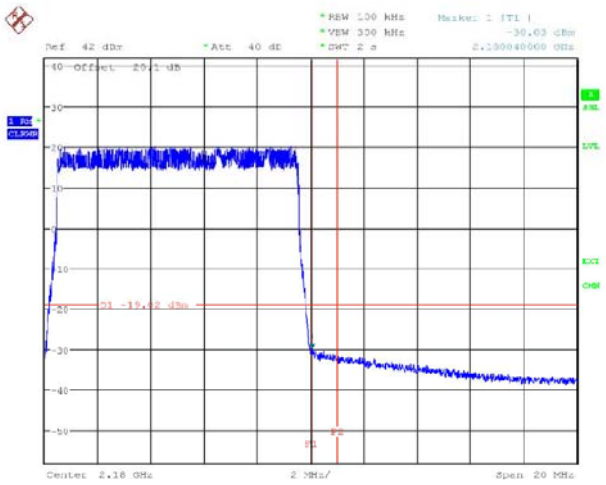


Figure 66 Spurious Emissions (Upper Band Edge) – 16QAM (2175.0 MHz) (10MHz Channel BW)

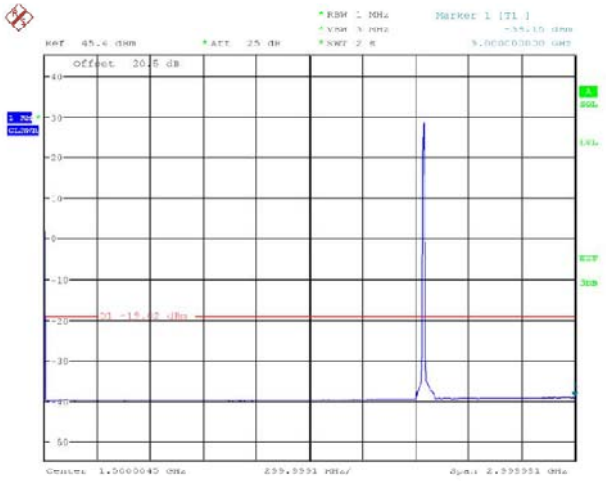


Figure 67 Spurious Emissions (9kHz – 3GHz) – 16QAM (2145.0 MHz) (10MHz Channel BW)

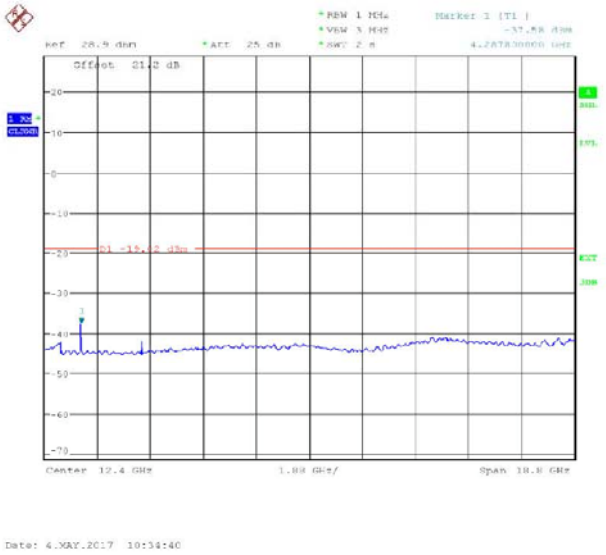


Figure 68 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2145.0 MHz) (10MHz Channel BW)

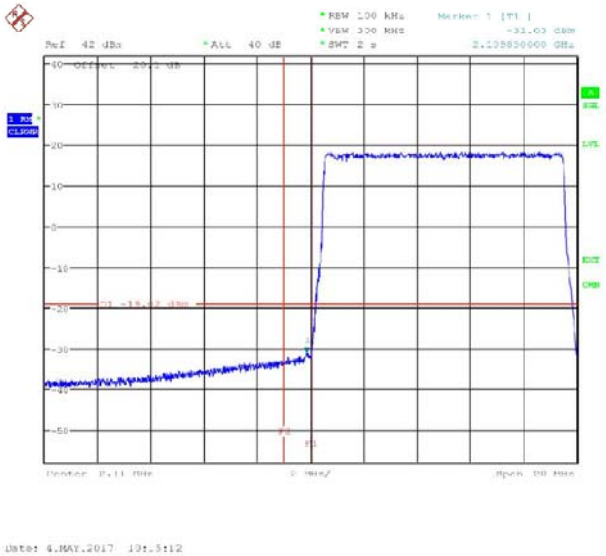


Figure 69 Spurious Emissions (Lower Band Edge) – 64QAM (2115.0 MHz) (10MHz Channel BW)

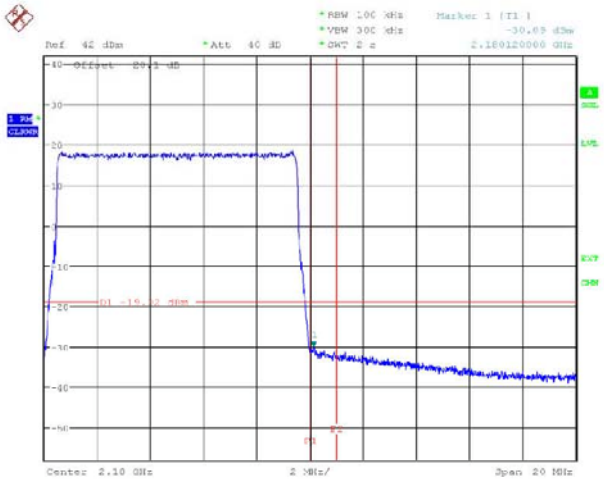


Figure 70 Spurious Emissions (Upper Band Edge) – 64QAM (2175.0 MHz) (10MHz Channel BW)

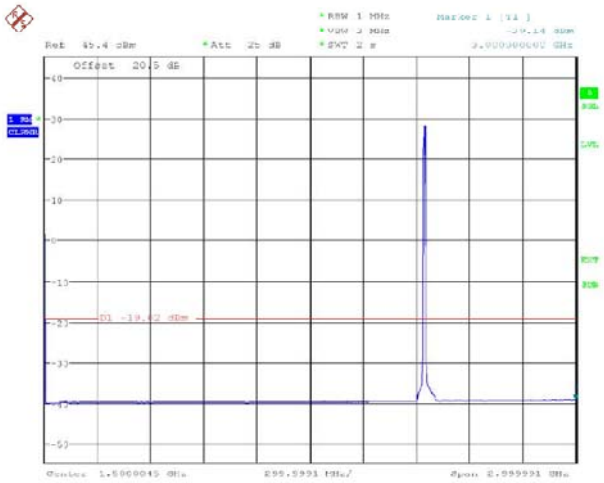


Figure 71 Spurious Emissions (9kHz – 3GHz) – 64QAM (2145.0 MHz) (10MHz Channel BW)

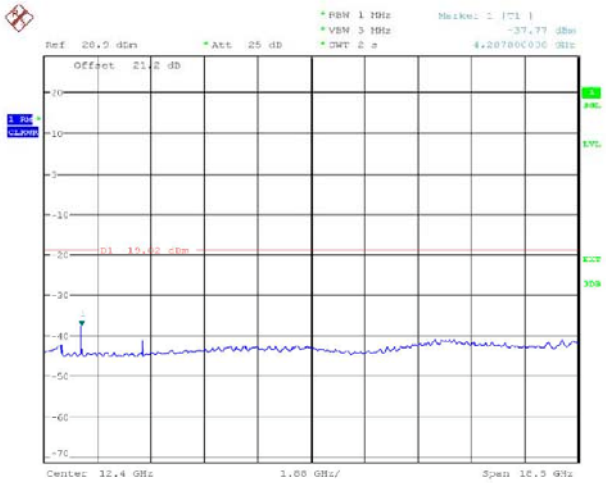


Figure 72 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2145.0 MHz) (10MHz Channel BW)

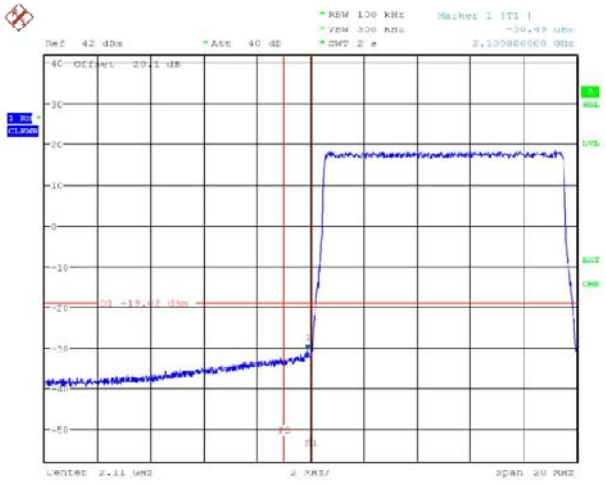


Figure 73 Spurious Emissions (Lower Band Edge) – 256QAM (2115.0 MHz) (10MHz Channel BW)

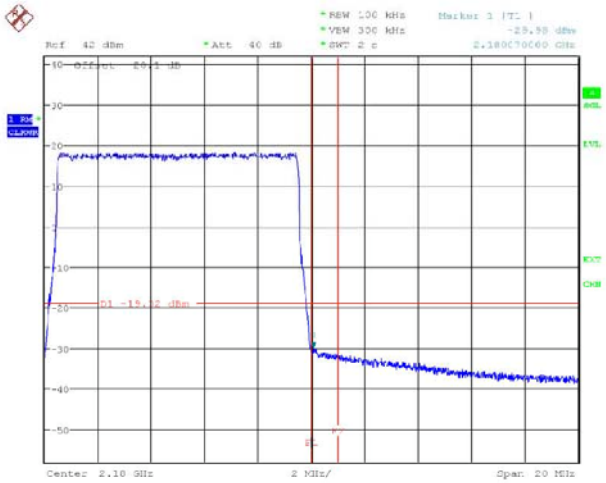


Figure 74 Spurious Emissions (Upper Band Edge) – 256QAM (2175.0 MHz) (10MHz Channel BW)

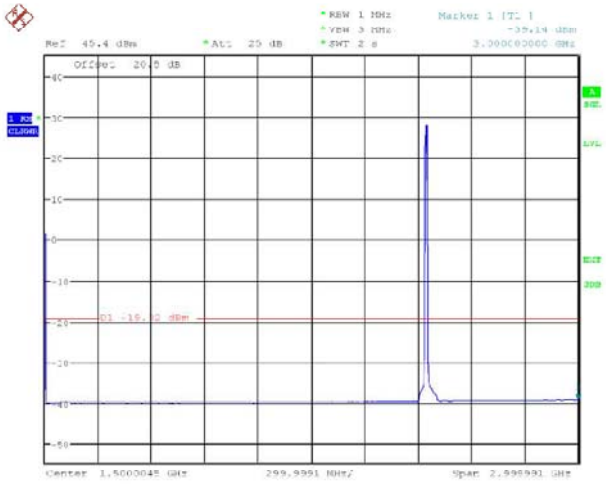


Figure 75 Spurious Emissions (9kHz – 3GHz) – 256QAM (2145.0 MHz) (10MHz Channel BW)

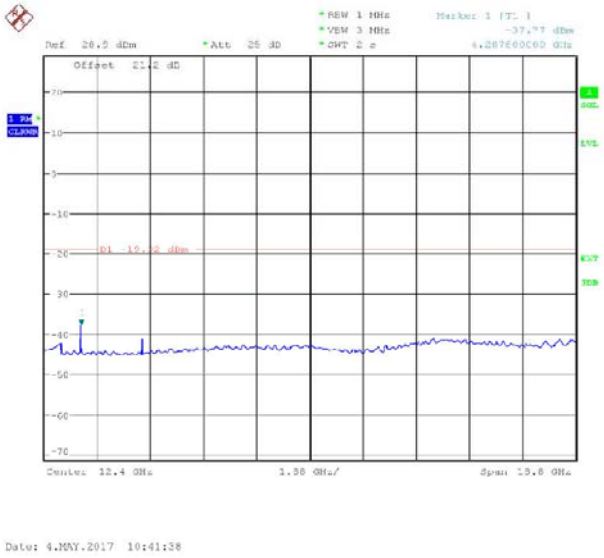


Figure 76 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2145.0 MHz) (10MHz Channel BW)

Config A ANT2:

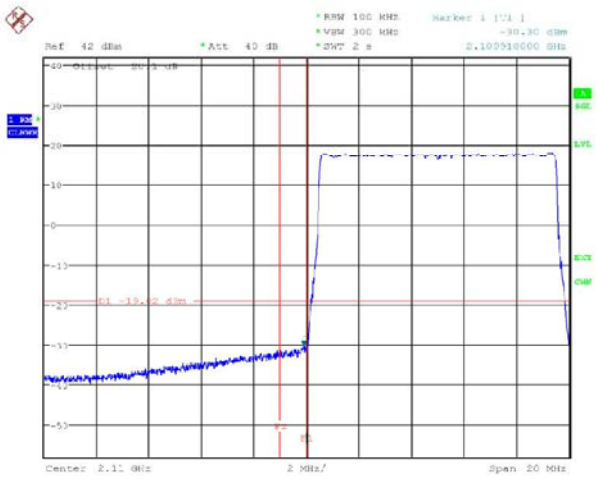


Figure 77 Spurious Emissions (Lower Band Edge) – QPSK (2115.0 MHz) (10MHz Channel BW)

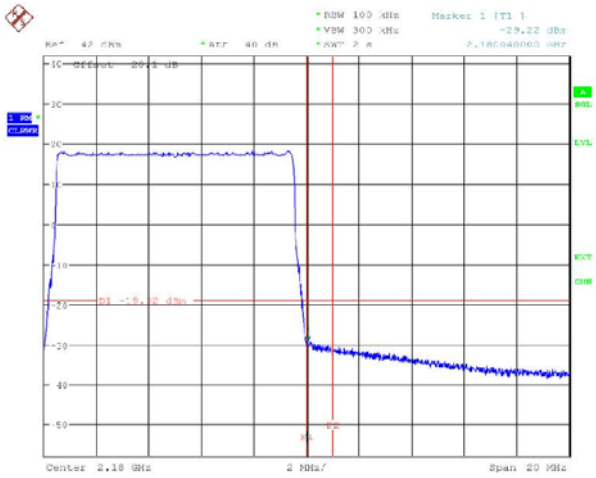


Figure 78 Spurious Emissions (Upper Band Edge) – QPSK (2175.0 MHz) (10MHz Channel BW)

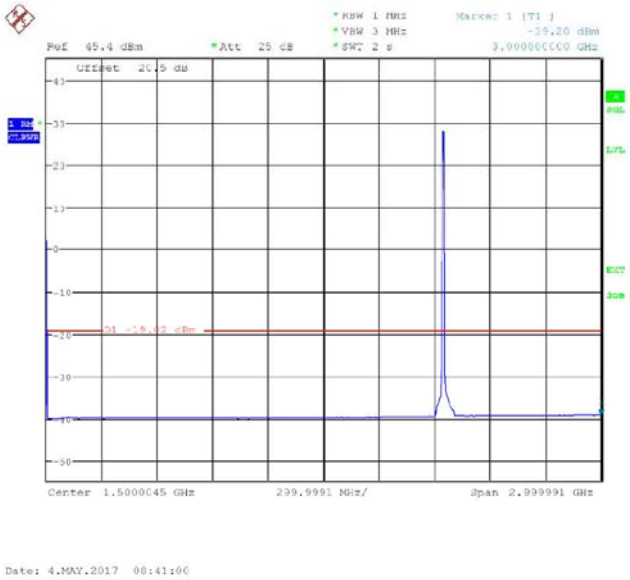


Figure 79 Spurious Emissions (9kHz – 3GHz) - QPSK (2145.0) (10MHz Channel BW)

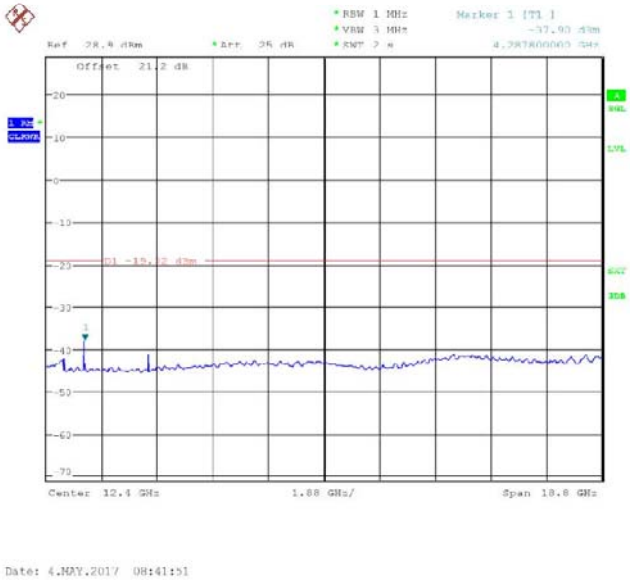


Figure 80 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2145.0 MHz) (10MHz Channel BW)

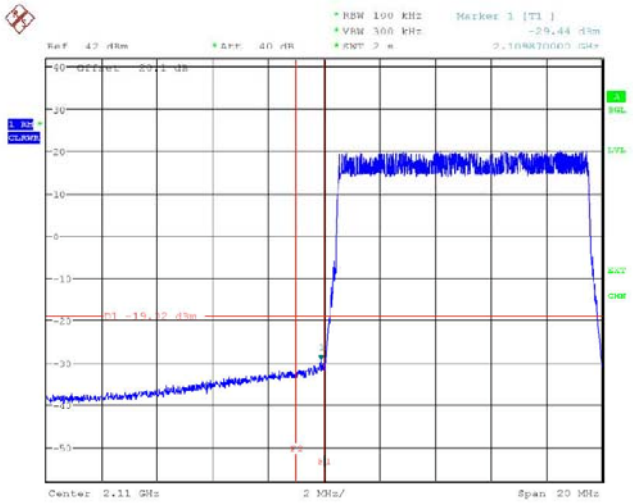


Figure 81 Spurious Emissions (Lower Band Edge) – 16QAM (2115.0 MHz) (10MHz Channel BW)

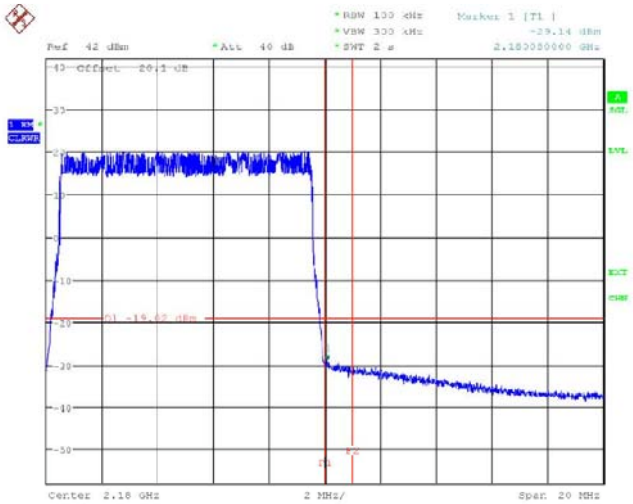


Figure 82 Spurious Emissions (Upper Band Edge) – 16QAM (2175.0 MHz) (10MHz Channel BW)

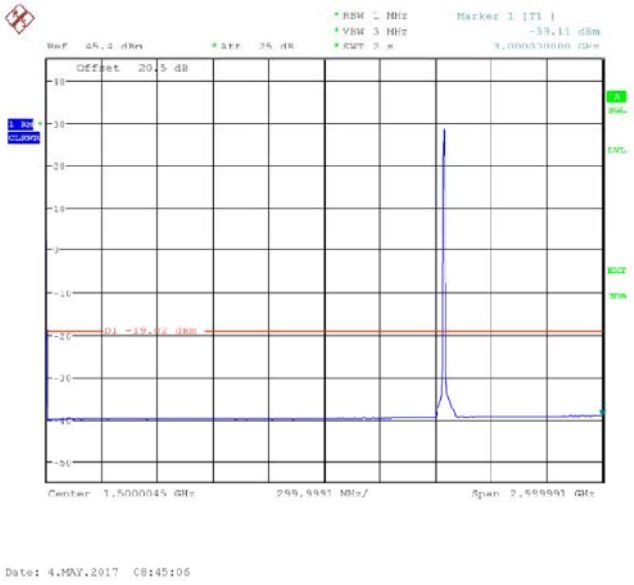


Figure 83 Spurious Emissions (9kHz – 3GHz) – 16QAM (2145.0 MHz) (10MHz Channel BW)

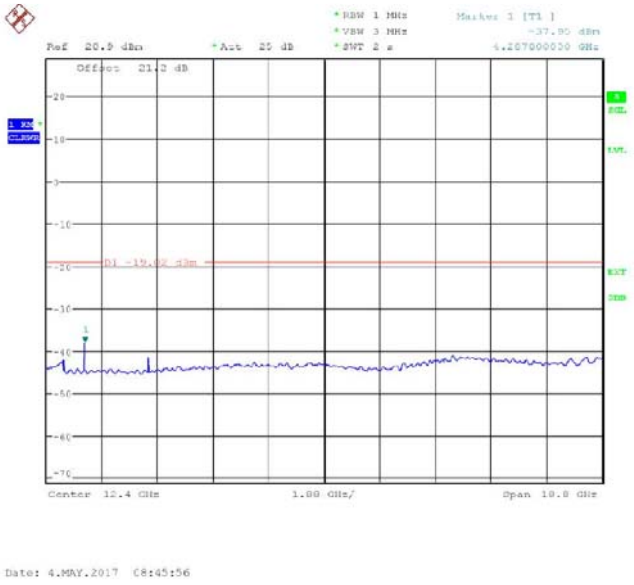


Figure 84 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2145.0 MHz) (10MHz Channel BW)

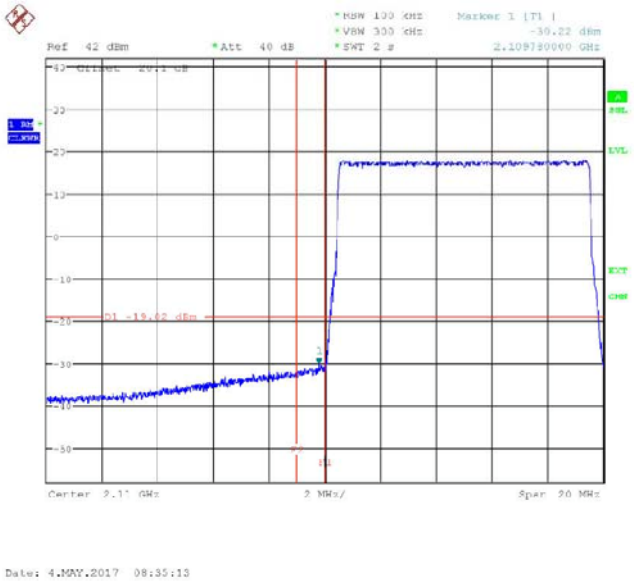


Figure 85 Spurious Emissions (Lower Band Edge) – 64QAM (2115.0 MHz) (10MHz Channel BW)

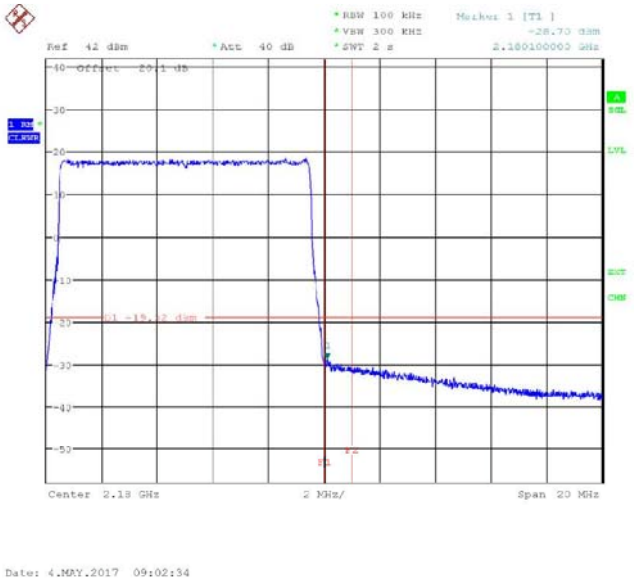


Figure 86 Spurious Emissions (Upper Band Edge) – 64QAM (2175.0 MHz) (10MHz Channel BW)

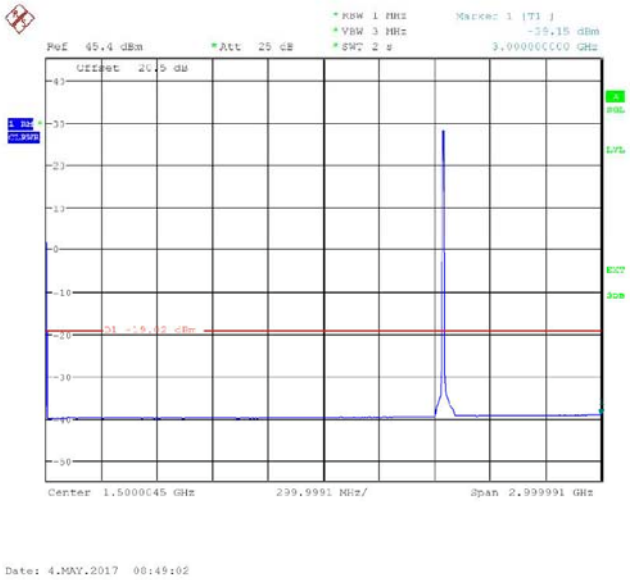


Figure 87 Spurious Emissions (9kHz – 3GHz) – 64QAM (2145.0 MHz) (10MHz Channel BW)

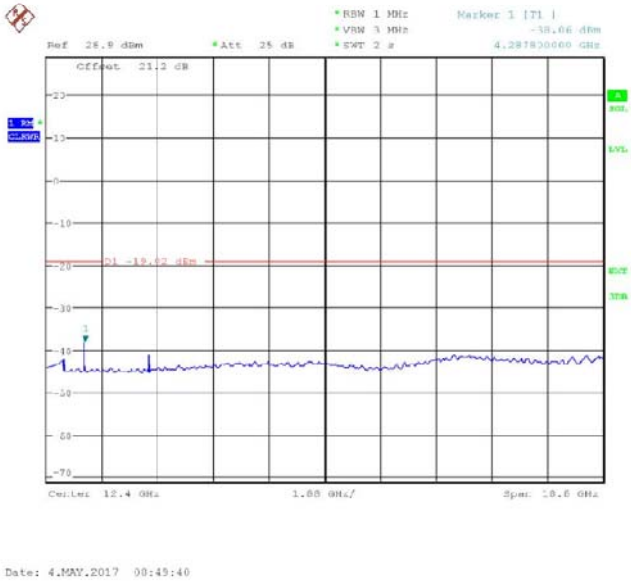


Figure 88 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2145.0 MHz) (10MHz Channel BW)

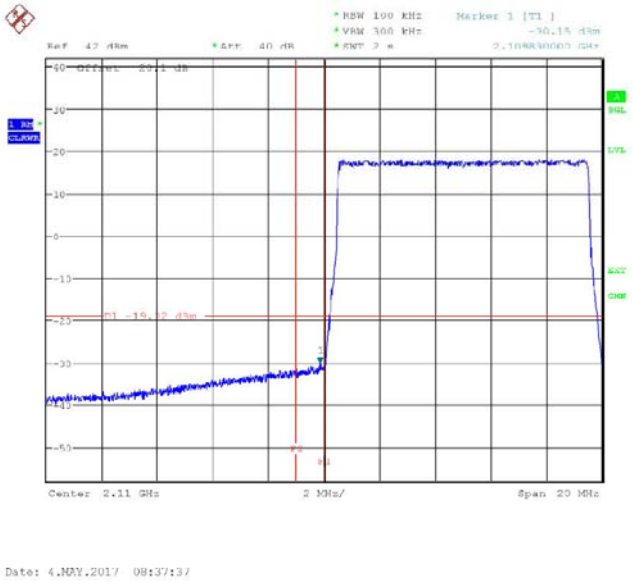


Figure 89 Spurious Emissions (Lower Band Edge) – 256QAM (2115.0 MHz) (10MHz Channel BW)

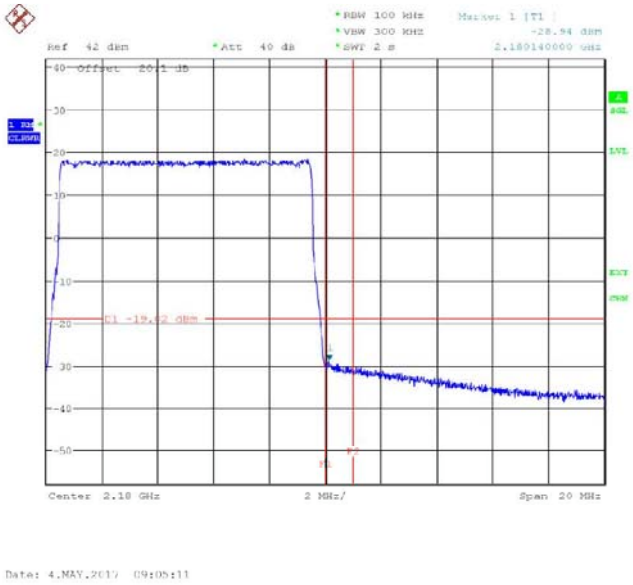


Figure 90 Spurious Emissions (Upper Band Edge) – 256QAM (2175.0 MHz) (10MHz Channel BW)

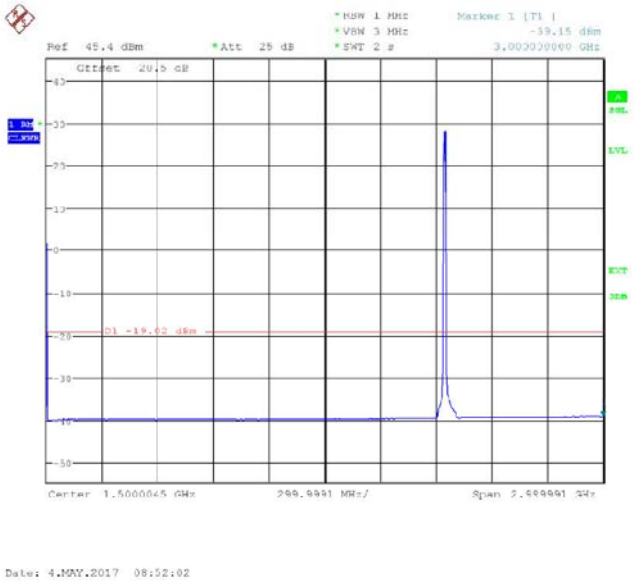


Figure 91 Spurious Emissions (9kHz – 3GHz) – 256QAM (2145.0 MHz) (10MHz Channel BW)

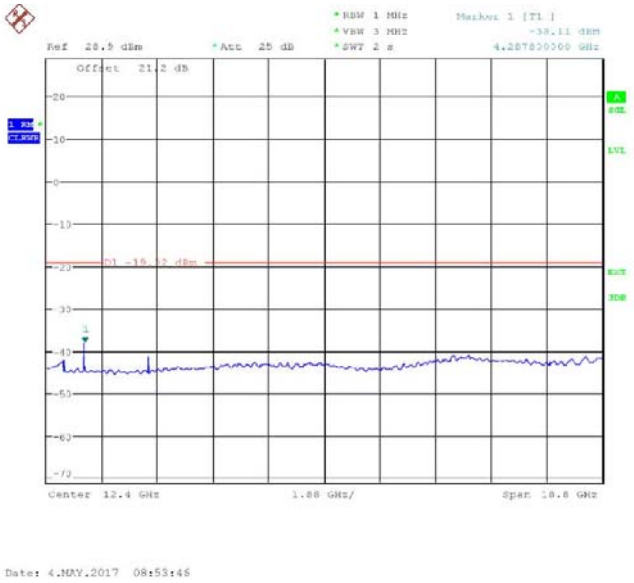


Figure 92 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2145.0 MHz) (10MHz Channel BW)

Config A ANT3:

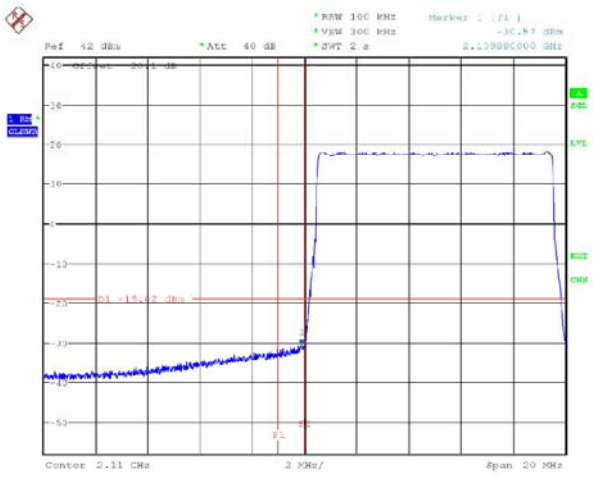


Figure 93 Spurious Emissions (Lower Band Edge) – QPSK (2115.0 MHz) (10MHz Channel BW)

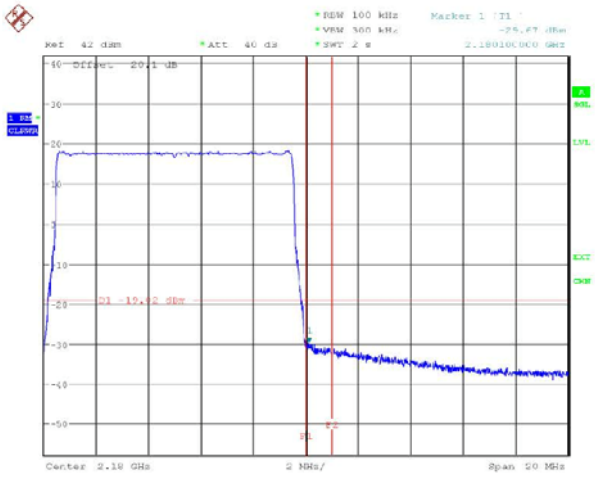


Figure 94 Spurious Emissions (Upper Band Edge) – QPSK (2175.0 MHz) (10MHz Channel BW)

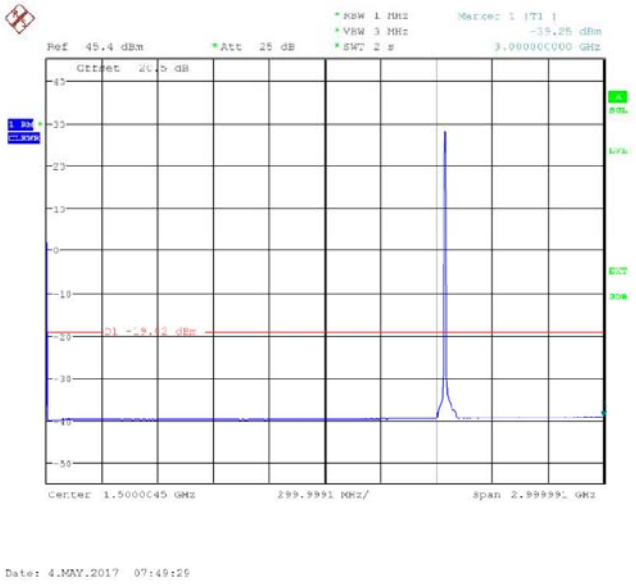


Figure 95 Spurious Emissions (9kHz – 3GHz) - QPSK (2145.0) (10MHz Channel BW)

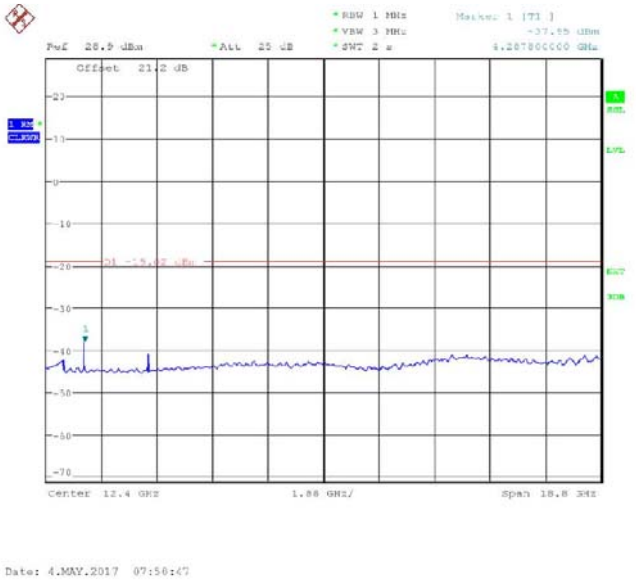
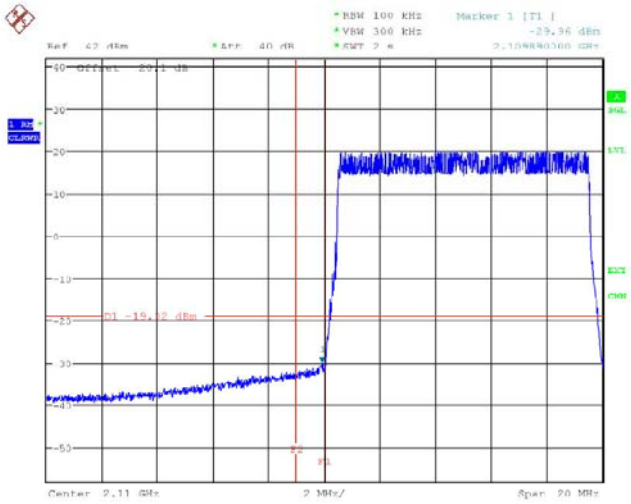
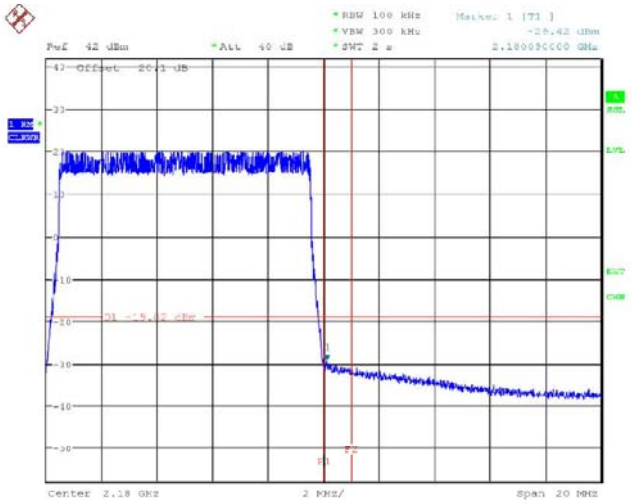


Figure 96 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2145.0 MHz) (10MHz Channel BW)



Date: 4.MAY.2017 06:53:52

Figure 97 Spurious Emissions (Lower Band Edge) – 16QAM (2115.0 MHz) (10MHz Channel BW)



Date: 4.MAY.2017 08:14:51

Figure 98 Spurious Emissions (Upper Band Edge) – 16QAM (2175.0 MHz) (10MHz Channel BW)

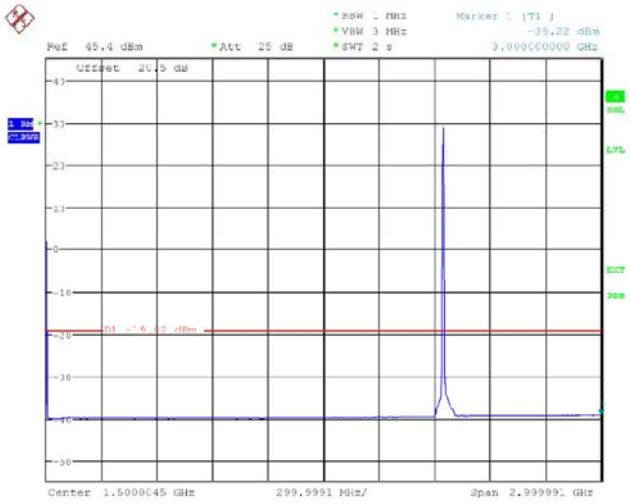


Figure 99 Spurious Emissions (9kHz – 3GHz) – 16QAM (2145.0 MHz) (10MHz Channel BW)

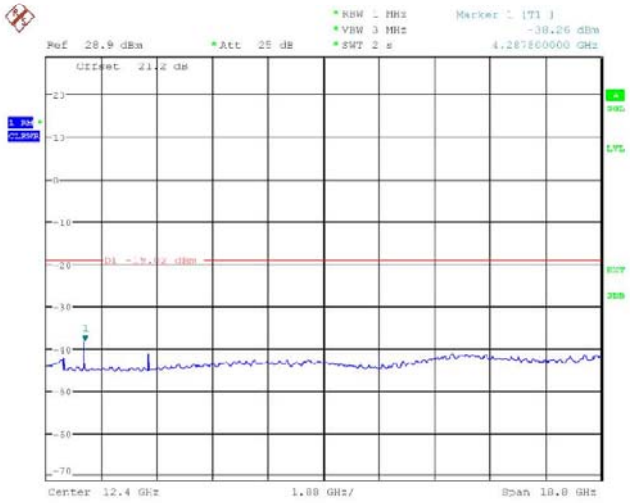
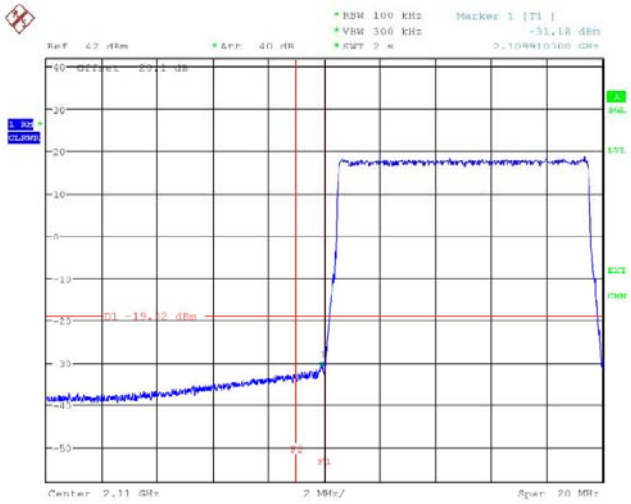
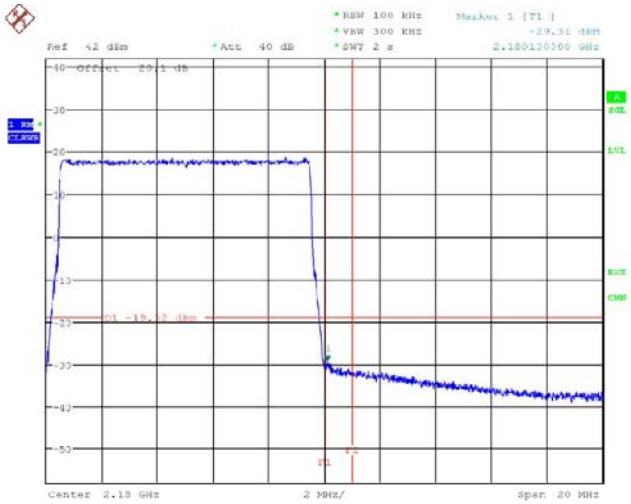


Figure 100 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2145.0 MHz) (10MHz Channel BW)



Date: 4.MAY.2017 07:41:52

Figure 101 Spurious Emissions (Lower Band Edge) – 64QAM (2115.0 MHz) (10MHz Channel BW)



Date: 4.MAY.2017 08:19:03

Figure 102 Spurious Emissions (Upper Band Edge) – 64QAM (2175.0 MHz) (10MHz Channel BW)

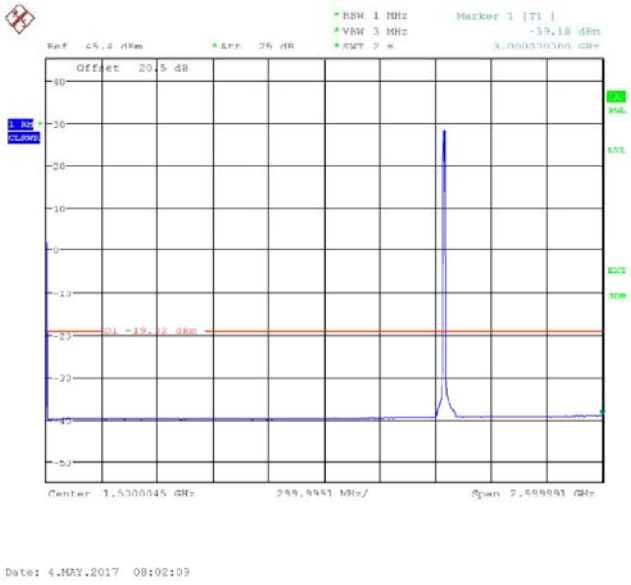


Figure 103 Spurious Emissions (9kHz – 3GHz) – 64QAM (2145.0 MHz) (10MHz Channel BW)

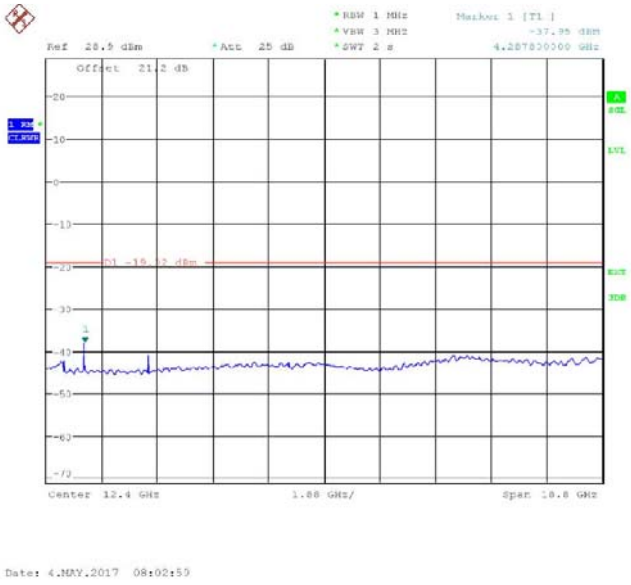


Figure 104 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2145.0 MHz) (10MHz Channel BW)

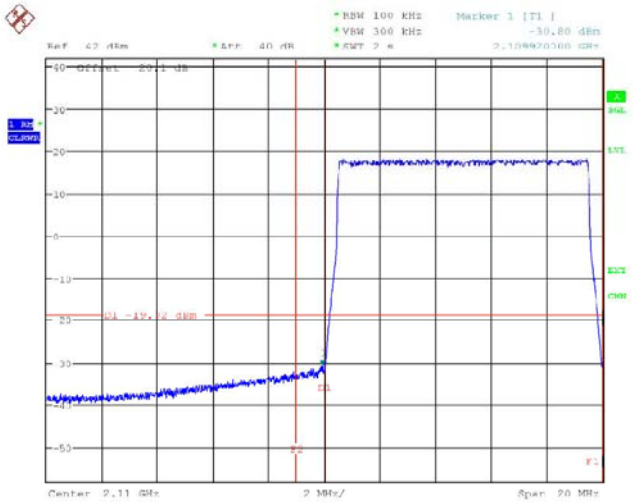


Figure 105 Spurious Emissions (Lower Band Edge) – 256QAM (2115.0 MHz) (10MHz Channel BW)

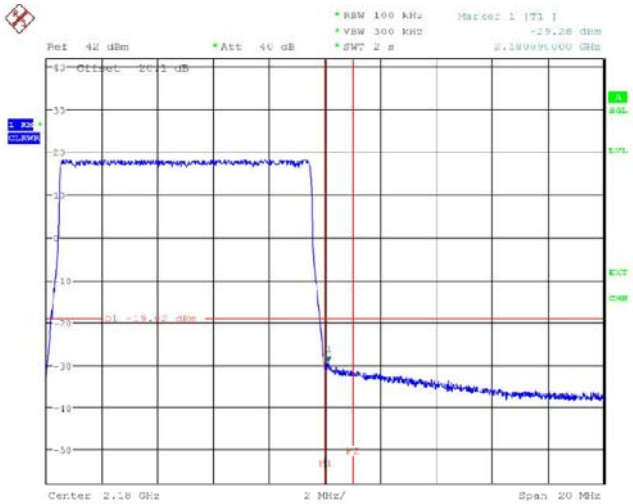


Figure 106 Spurious Emissions (Upper Band Edge) – 256QAM (2175.0 MHz) (10MHz Channel BW)

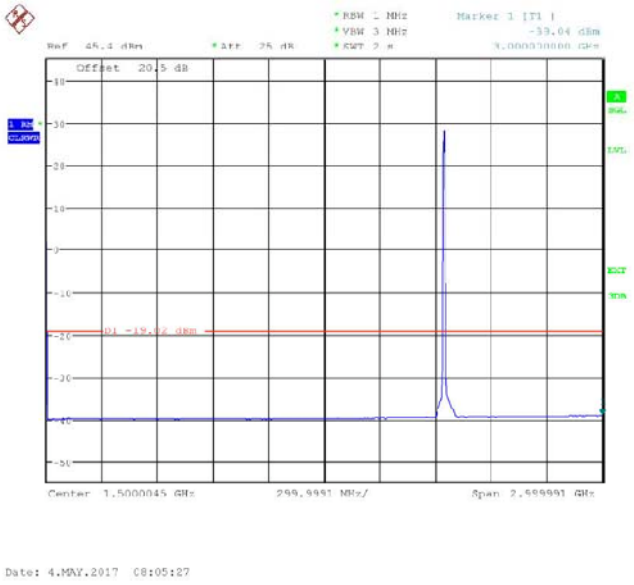


Figure 107 Spurious Emissions (9kHz – 3GHz) – 256QAM (2145.0 MHz) (10MHz Channel BW)

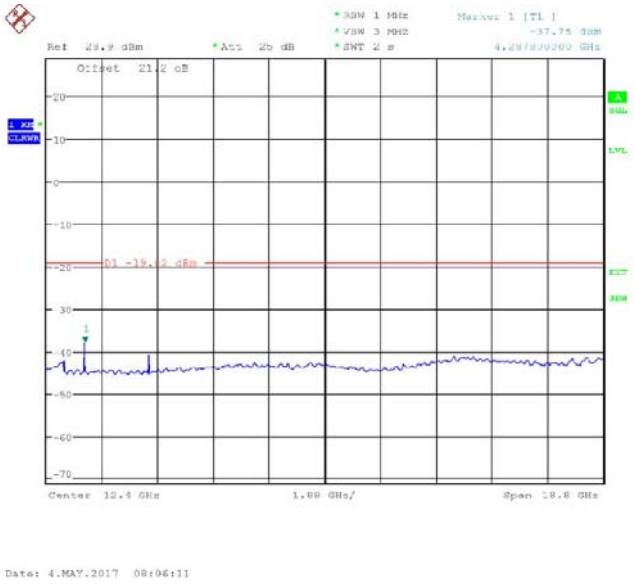


Figure 108 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2145.0 MHz) (10MHz Channel BW)

Config A ANT4:

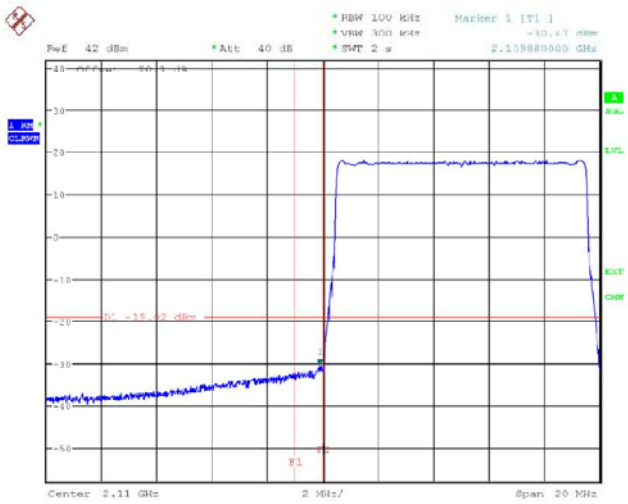


Figure 109 Spurious Emissions (Lower Band Edge) – QPSK (2115.0 MHz) (10MHz Channel BW)

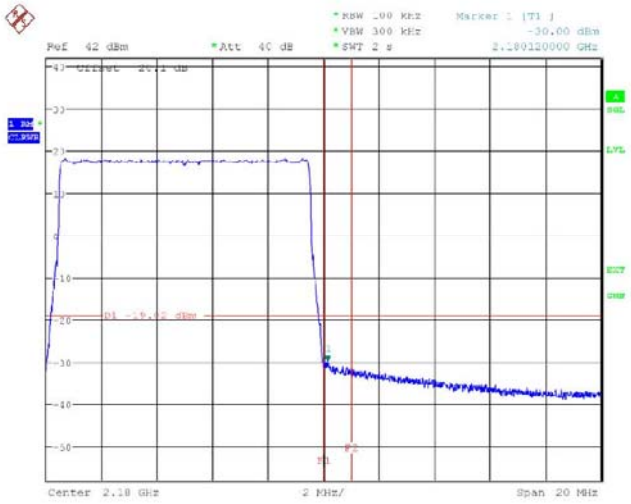


Figure 110 Spurious Emissions (Upper Band Edge) – QPSK (2175.0 MHz) (10MHz Channel BW)

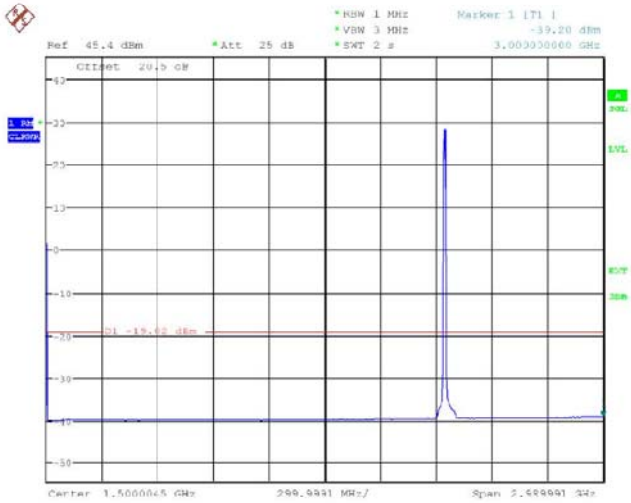


Figure 111 Spurious Emissions (9kHz – 3GHz) - QPSK (2145.0) (10MHz Channel BW)

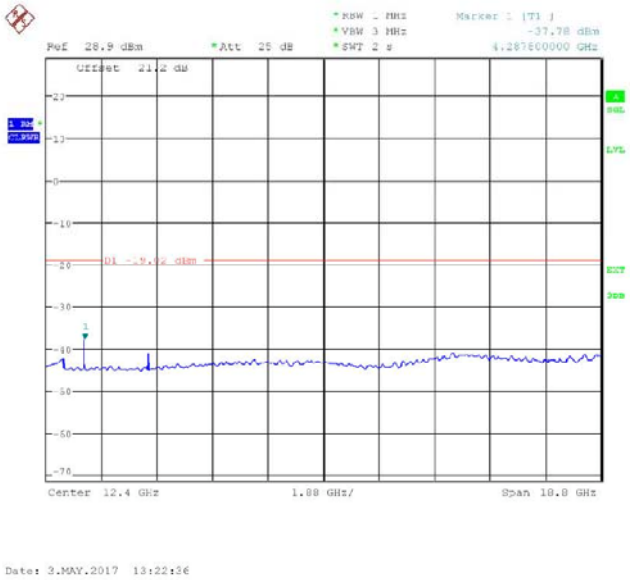


Figure 112 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2145.0 MHz) (10MHz Channel BW)

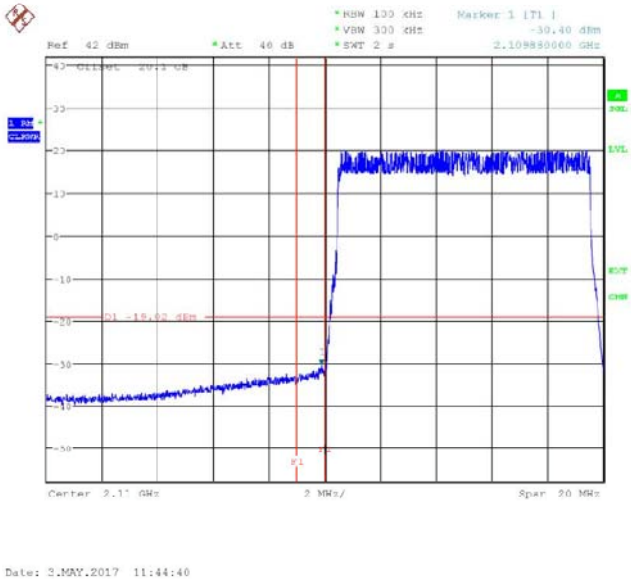


Figure 113 Spurious Emissions (Lower Band Edge) – 16QAM (2115.0 MHz) (10MHz Channel BW)

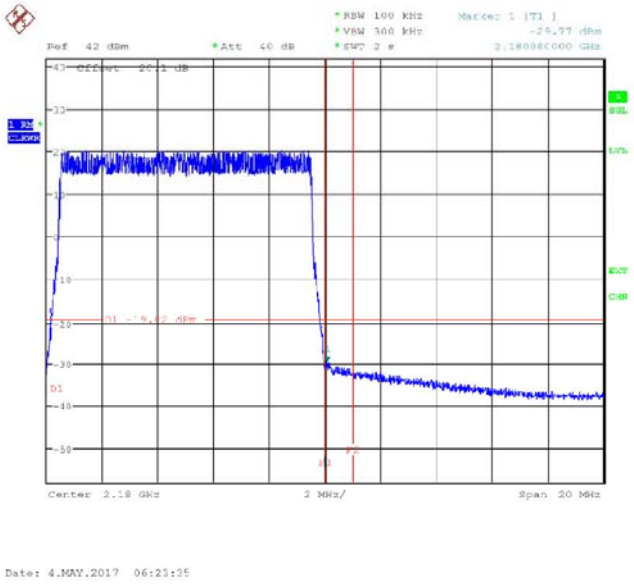


Figure 114 Spurious Emissions (Upper Band Edge) – 16QAM (2175.0 MHz) (10MHz Channel BW)

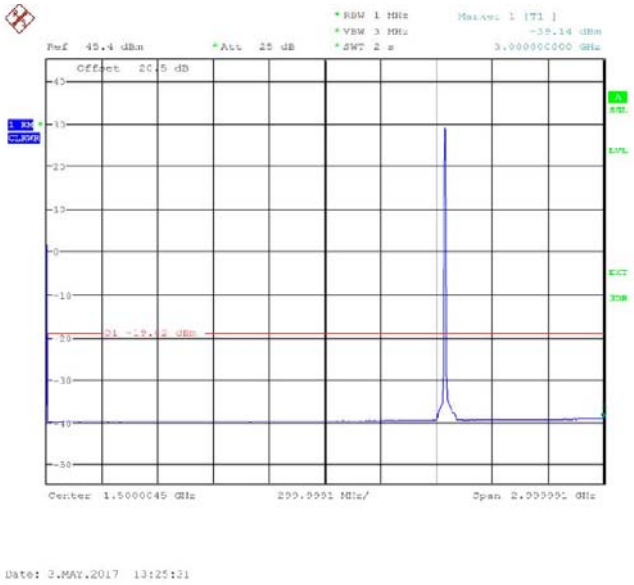


Figure 115 Spurious Emissions (9kHz – 3GHz) – 16QAM (2145.0 MHz) (10MHz Channel BW)

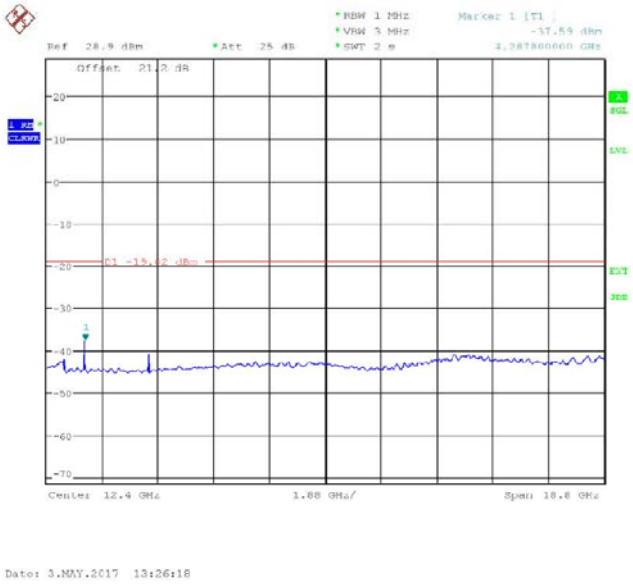


Figure 116 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2145.0 MHz) (10MHz Channel BW)

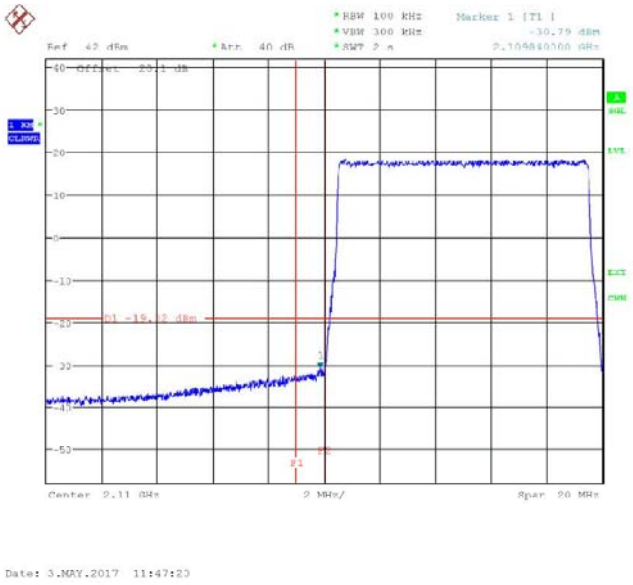


Figure 117 Spurious Emissions (Lower Band Edge) – 64QAM (2115.0 MHz) (10MHz Channel BW)

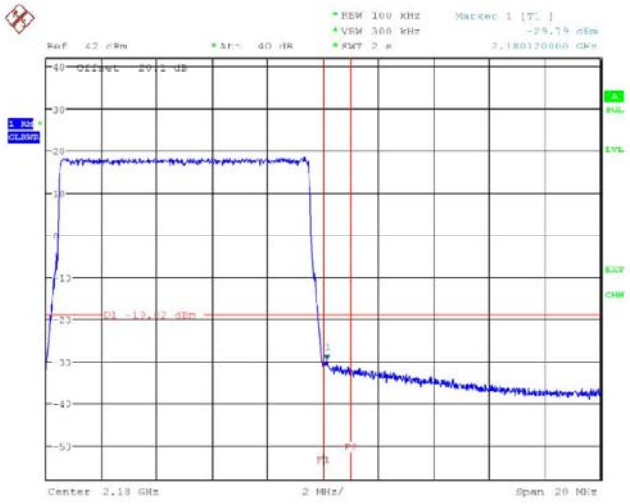


Figure 118 Spurious Emissions (Upper Band Edge) – 64QAM (2175.0 MHz) (10MHz Channel BW)

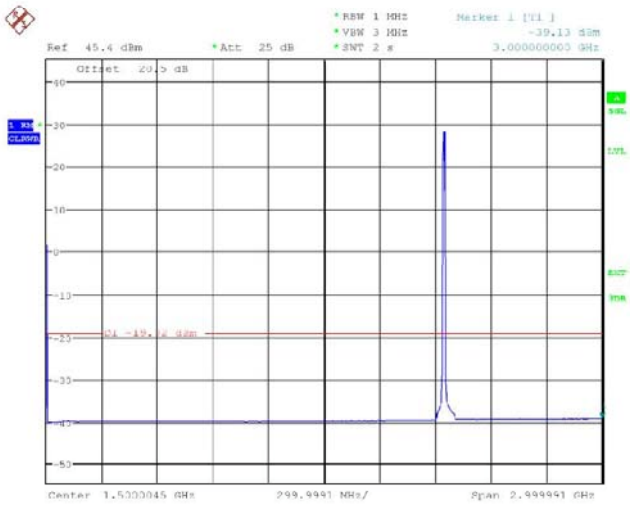


Figure 119 Spurious Emissions (9kHz – 3GHz) – 64QAM (2145.0 MHz) (10MHz Channel BW)

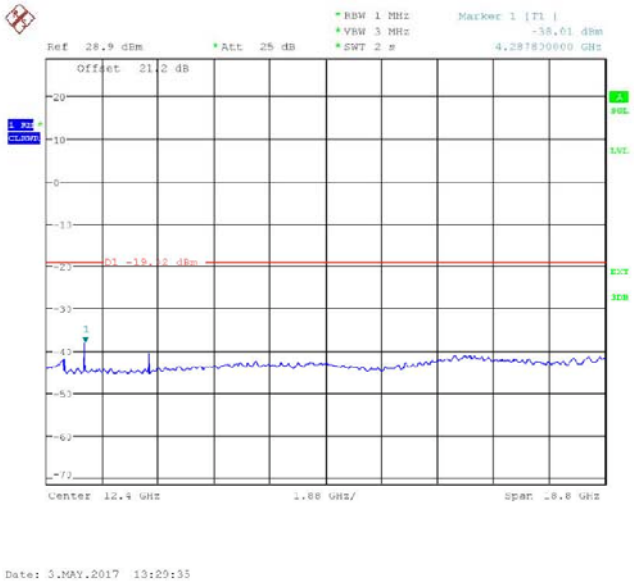


Figure 120 Spurious Emissions (3GHz – 21.8GHz) – 64QAM (2145.0 MHz) (10MHz Channel BW)

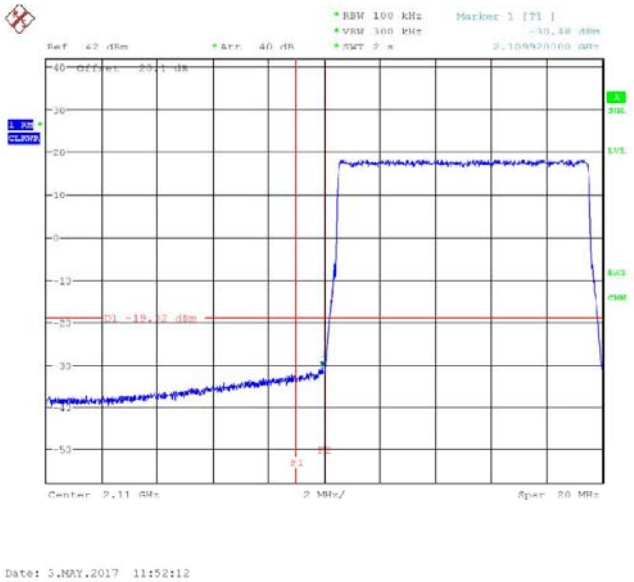


Figure 121 Spurious Emissions (Lower Band Edge) – 256QAM (2115.0 MHz) (10MHz Channel BW)

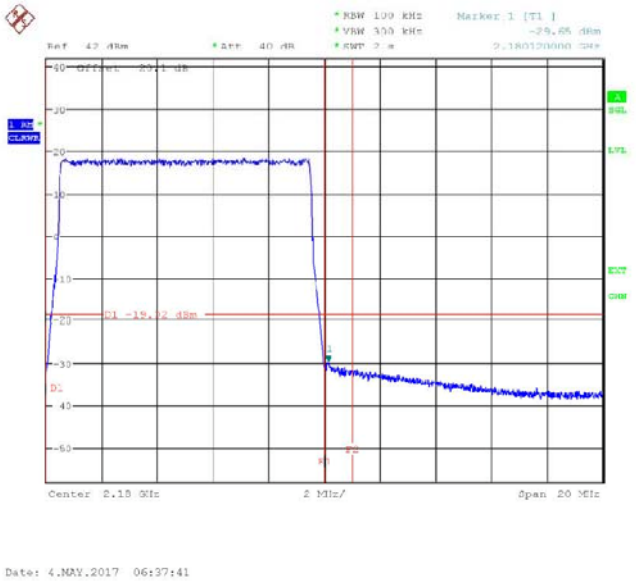


Figure 122 Spurious Emissions (Upper Band Edge) – 256QAM (2175.0 MHz) (10MHz Channel BW)

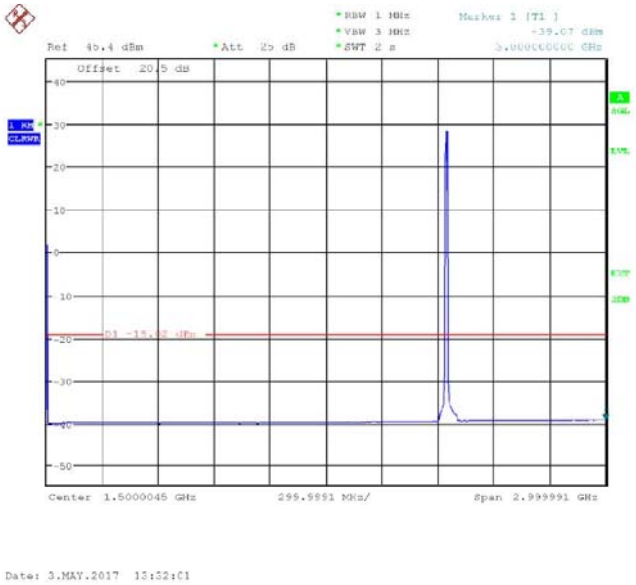


Figure 123 Spurious Emissions (9kHz – 3GHz) – 256QAM (2145.0 MHz) (10MHz Channel BW)

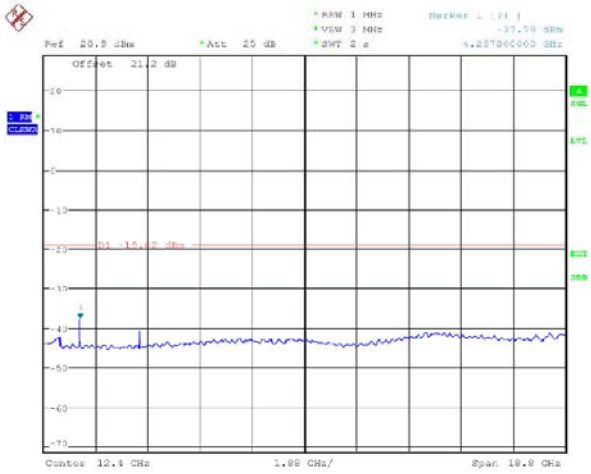


Figure 124 Spurious Emissions (3GHz – 21.8GHz) – 256QAM (2145.0 MHz) (10MHz Channel BW)

Config B ANT1:

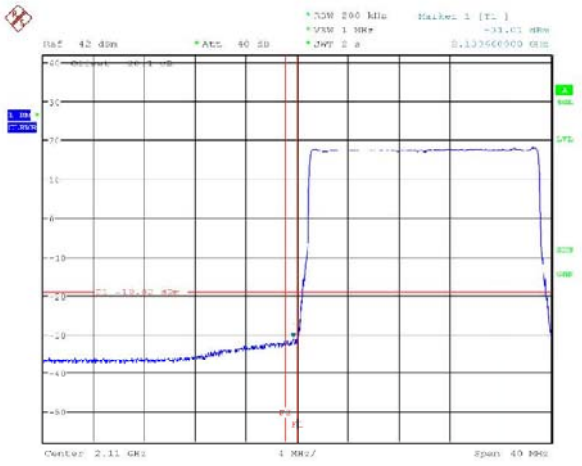


Figure 125 Spurious Emissions (Lower Band Edge) – QPSK (2120.0 MHz) (20MHz Channel BW)

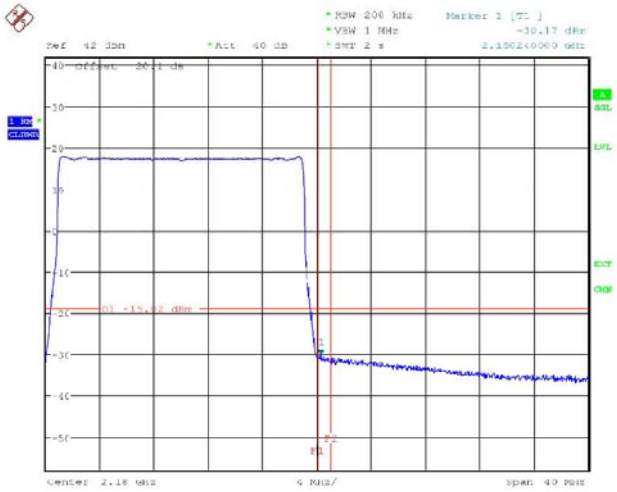


Figure 126 Spurious Emissions (Upper Band Edge) – QPSK (2170.0 MHz) (20MHz Channel BW)

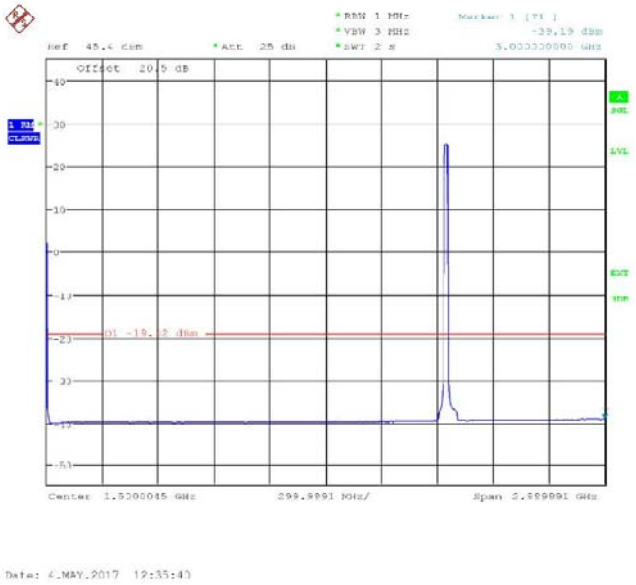


Figure 127 Spurious Emissions (9kHz – 3GHz) - QPSK (2145.0 MHz) (20MHz Channel BW)

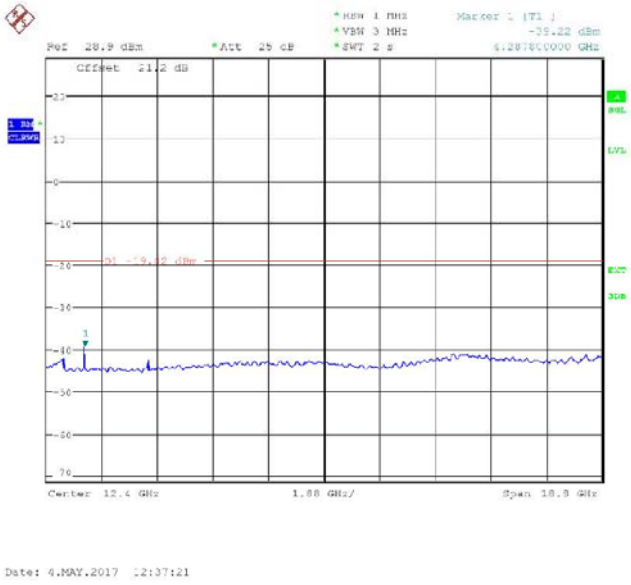


Figure 128 Spurious Emissions (3GHz – 21.8GHz) – QPSK (2145.0 MHz) (20MHz Channel BW)

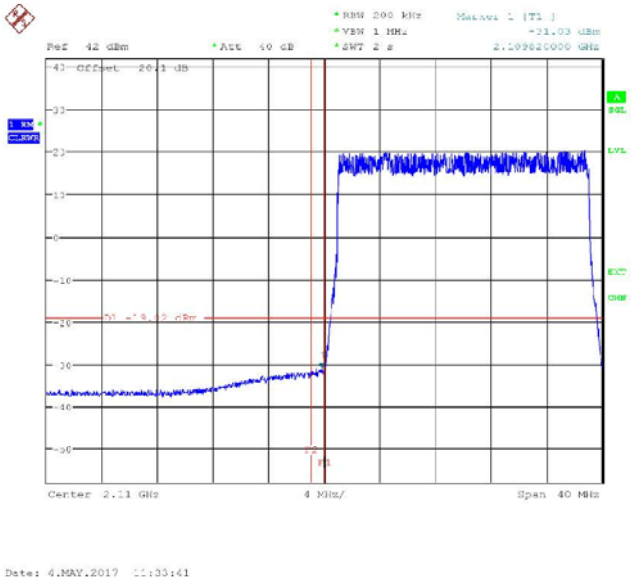


Figure 129 Spurious Emissions (Lower Band Edge) – 16QAM (2120.0 MHz) (20MHz Channel BW)

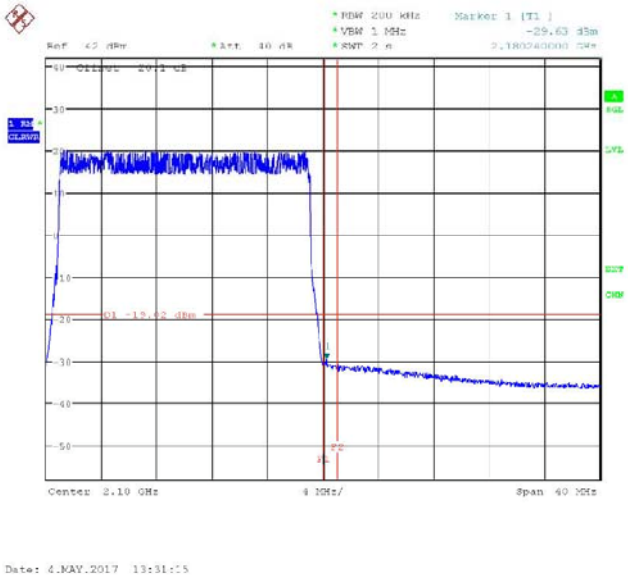


Figure 130 Spurious Emissions (Upper Band Edge) – 16QAM (2170.0 MHz) (20MHz Channel BW)

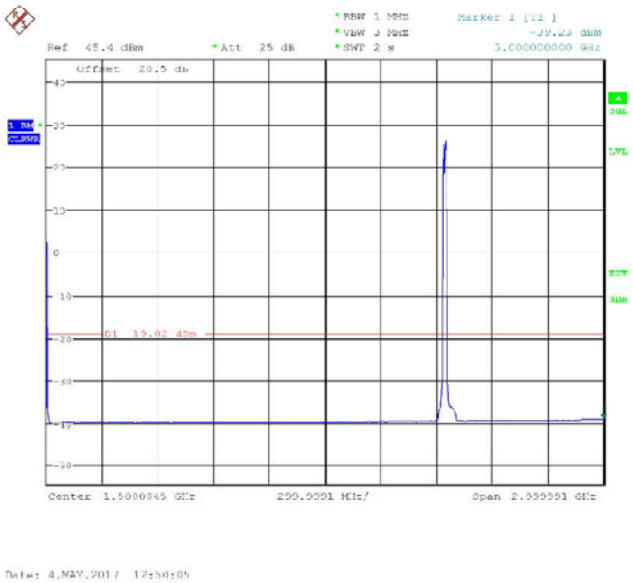


Figure 131 Spurious Emissions (9kHz – 3GHz) – 16QAM (2145.0 MHz) (20MHz Channel BW)

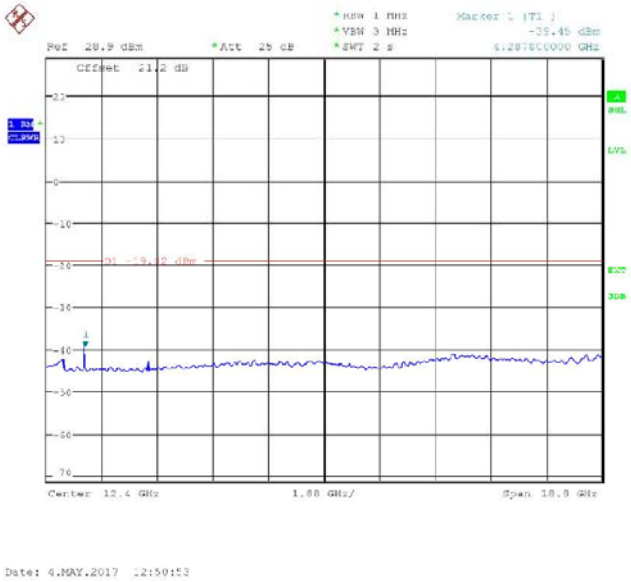


Figure 132 Spurious Emissions (3GHz – 21.8GHz) – 16QAM (2145.0 MHz) (20MHz Channel BW)

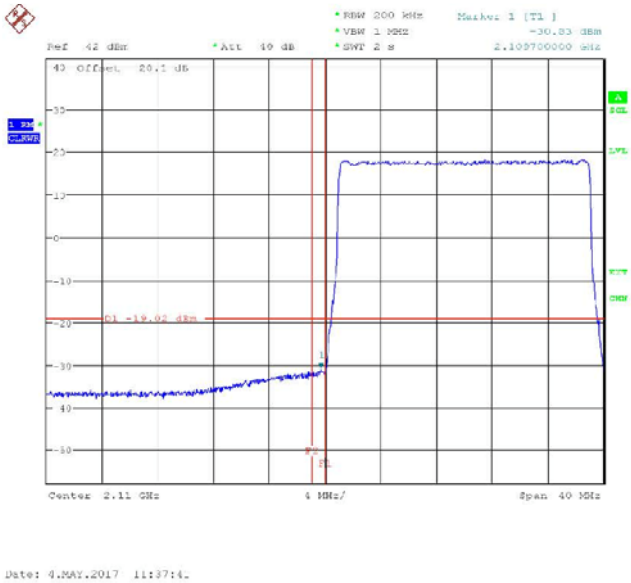


Figure 133 Spurious Emissions (Lower Band Edge) – 64QAM (2120.0 MHz) (20MHz Channel BW)

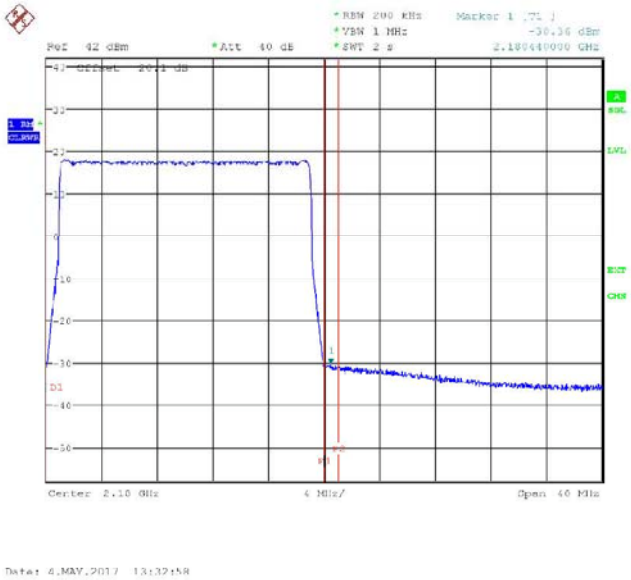


Figure 134 Spurious Emissions (Upper Band Edge) – 64QAM (2170.0 MHz) (20MHz Channel BW)

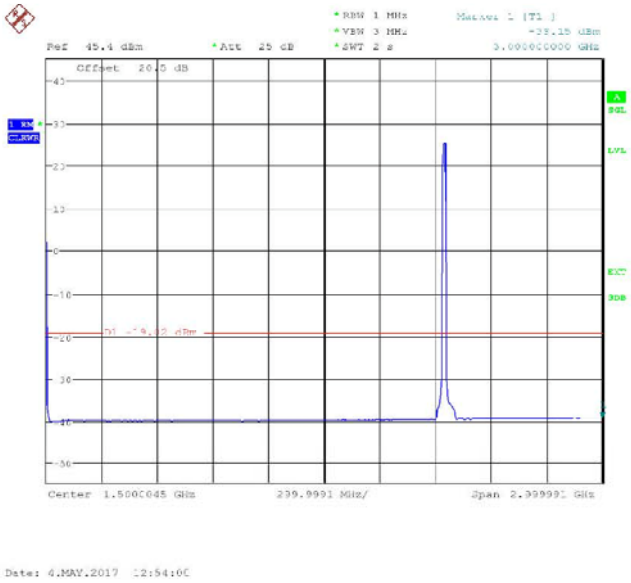


Figure 135 Spurious Emissions (9kHz – 3GHz) – 64QAM (2145.0 MHz) (20MHz Channel BW)