



Product Service

FCC ID:
VBNAHCA-01

Test Report No:
D555647736

Config B ANT2:

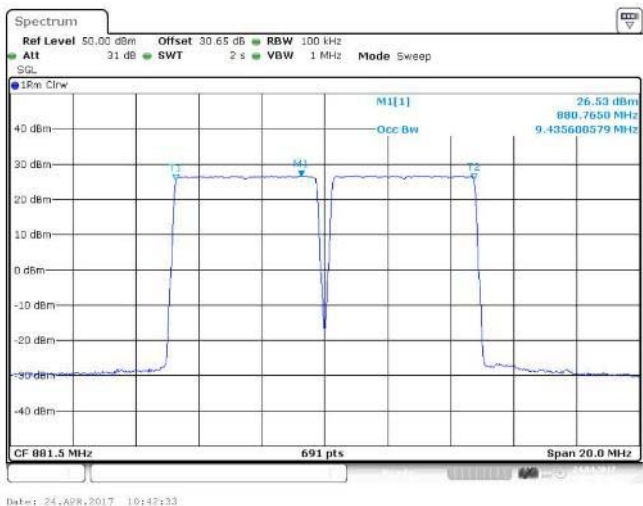


Figure 33 Occupied Bandwidth – QPSK (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)

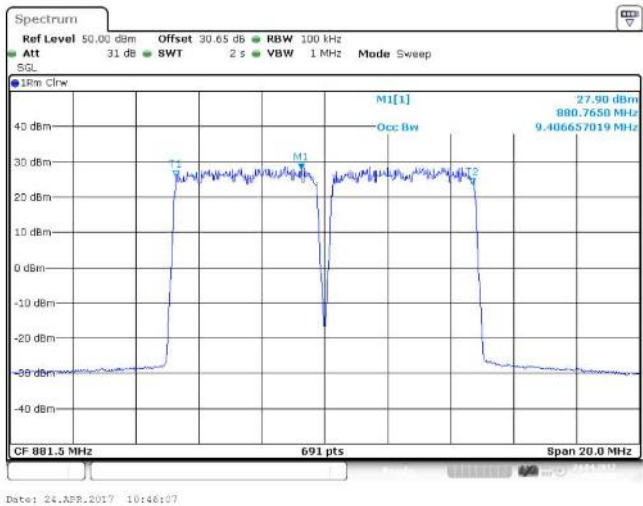


Figure 34 Occupied Bandwidth – 16QAM (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)



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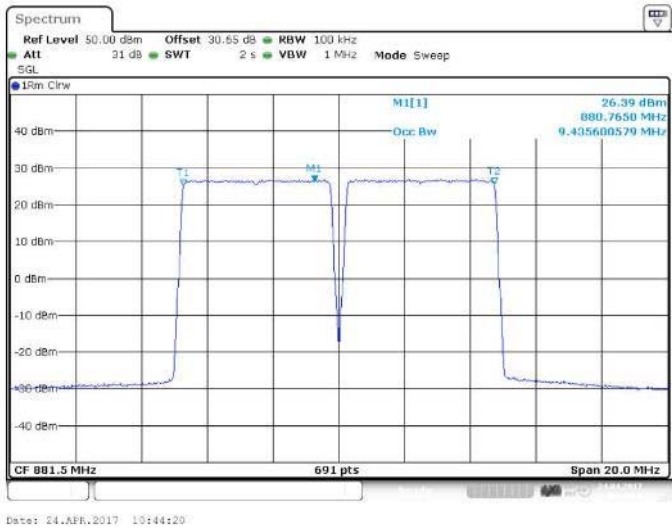


Figure 35 Occupied Bandwidth – 64QAM (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)

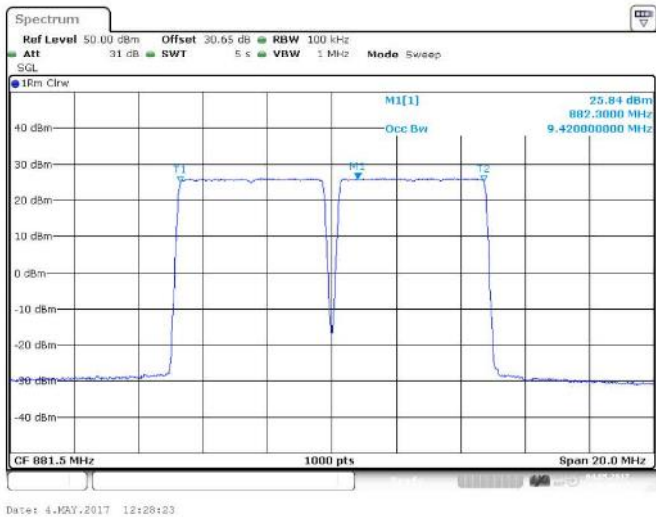


Figure 36 Occupied Bandwidth – 256QAM (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)



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Config B ANT3:

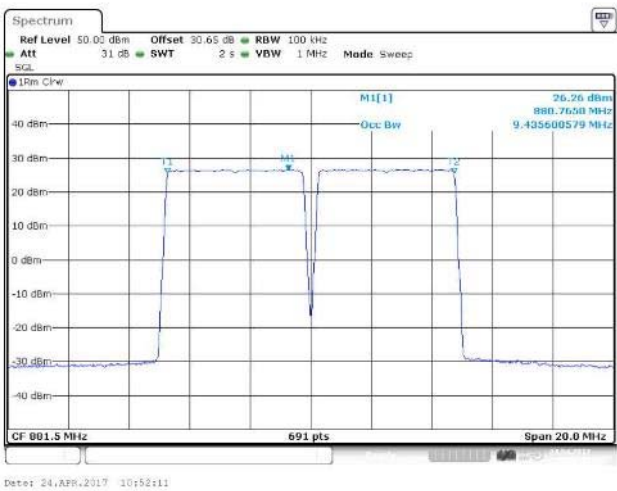


Figure 37 Occupied Bandwidth – QPSK (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)

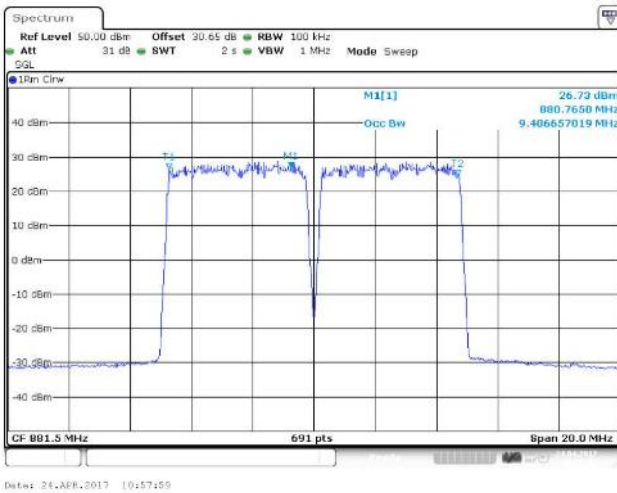


Figure 38 Occupied Bandwidth – 16QAM (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)



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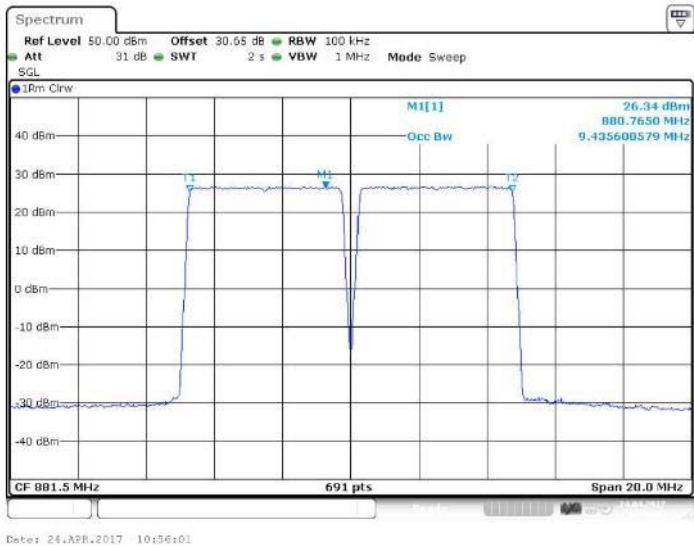


Figure 39 Occupied Bandwidth – 64QAM (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)

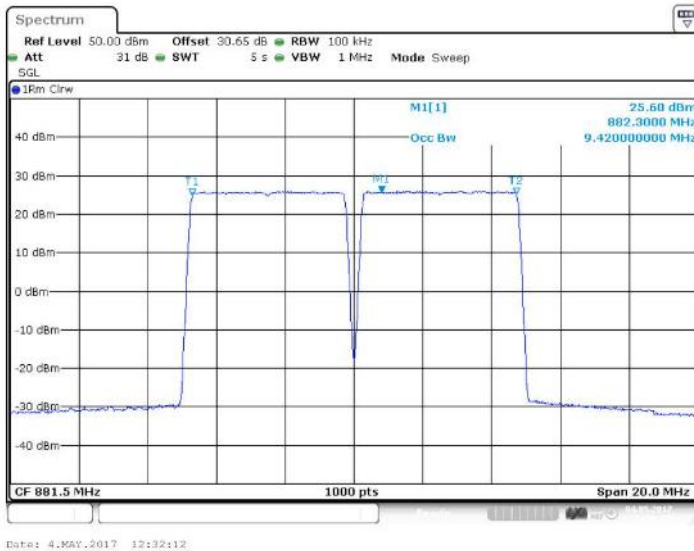


Figure 40 Occupied Bandwidth – 256QAM (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)



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Config B ANT4:

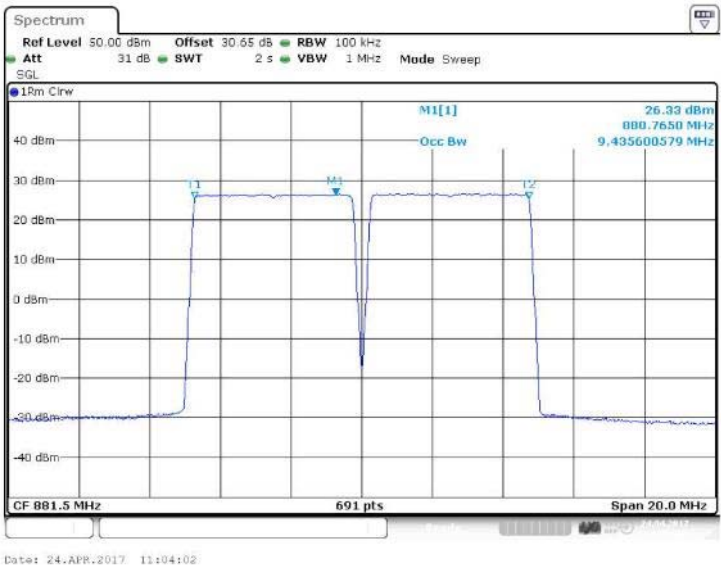
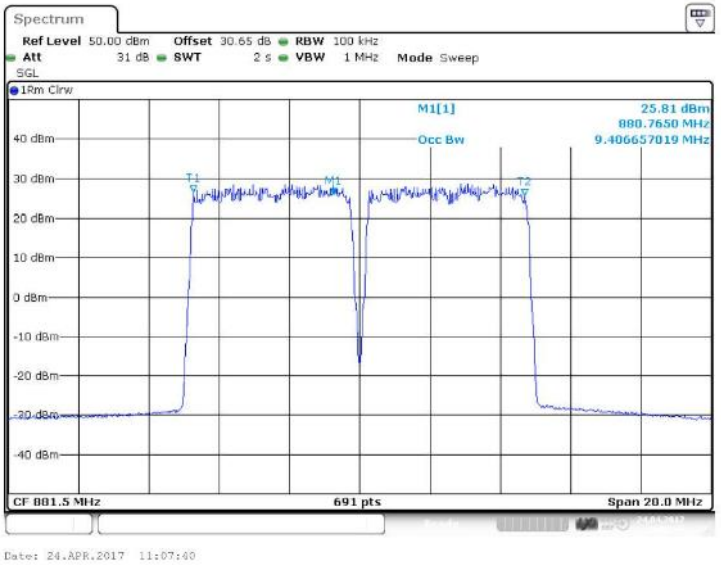


Figure 41 Occupied Bandwidth – QPSK (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)



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Figure 42 Occupied Bandwidth – 16QAM (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)

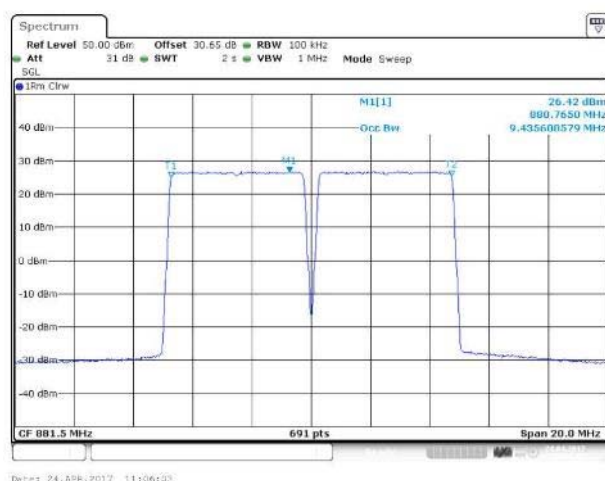


Figure 43 Occupied Bandwidth – 64QAM (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)

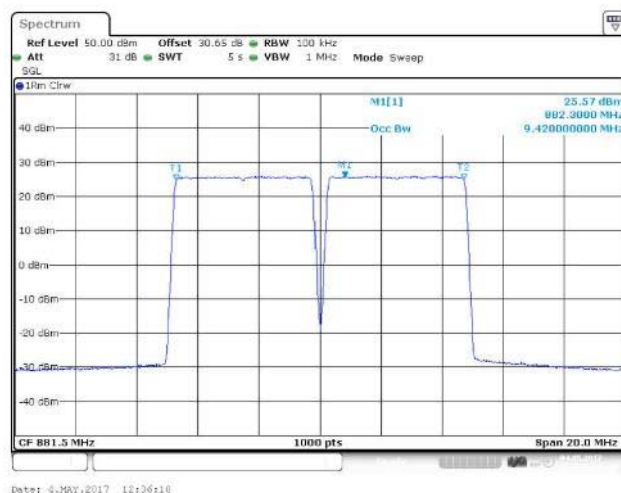


Figure 44 Occupied Bandwidth – 256QAM (879 MHz, 884 MHz) (2 X 5 MHz Channel BW)



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Config C ANT1:

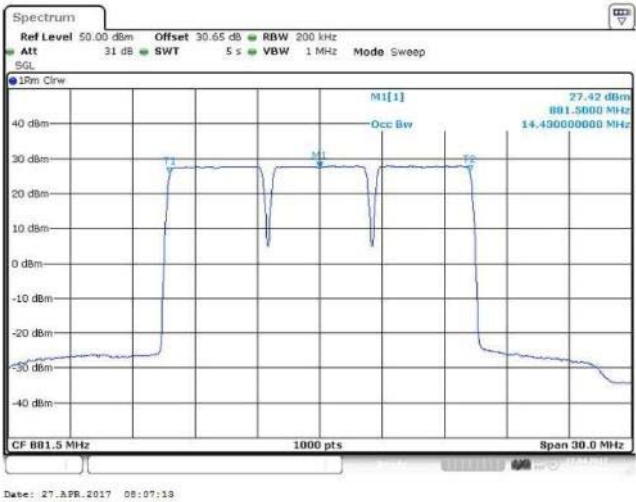


Figure 45 Occupied Bandwidth – QPSK (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)

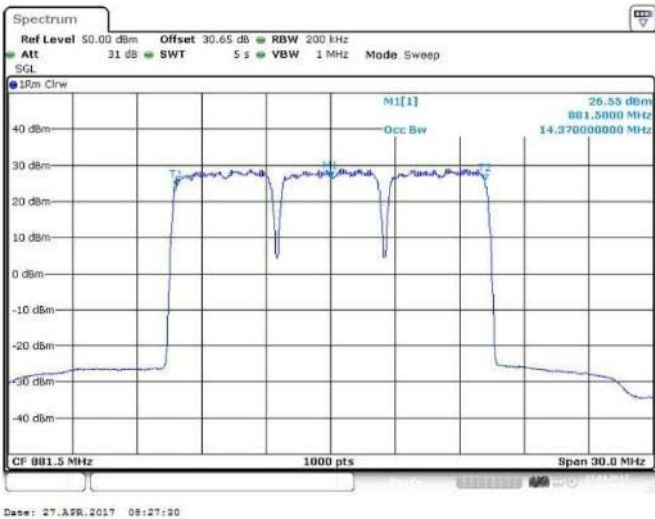


Figure 46 Occupied Bandwidth – 16QAM (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)



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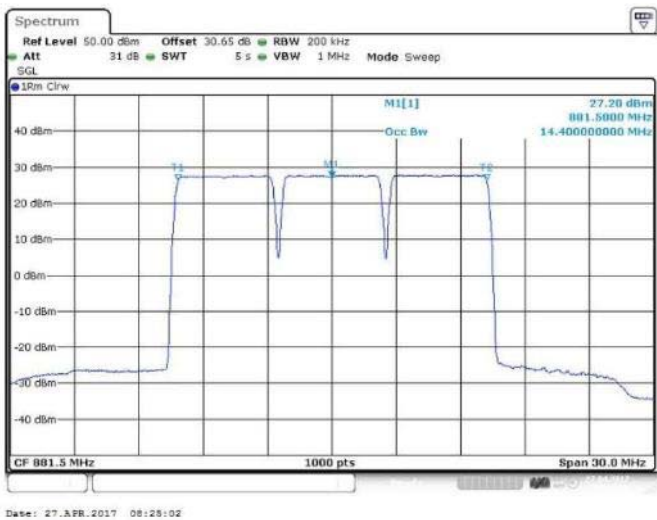


Figure 47 Occupied Bandwidth – 64QAM (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)

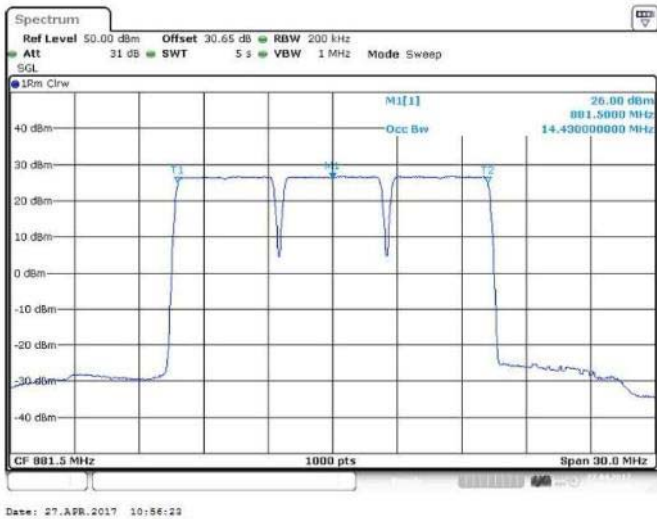


Figure 48 Occupied Bandwidth – 256QAM (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)



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Config C ANT2:

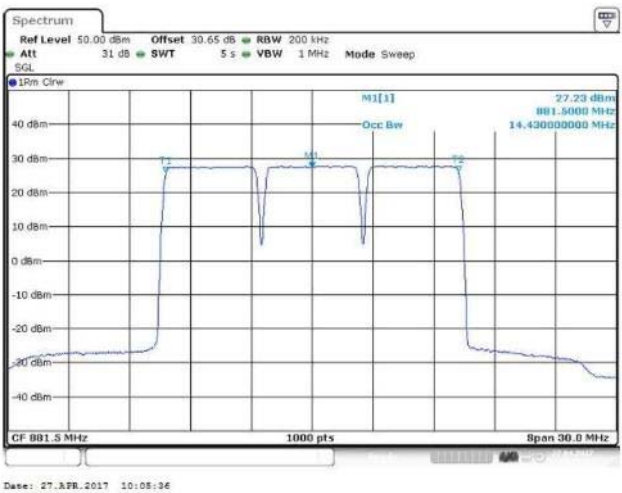


Figure 49 Occupied Bandwidth – QPSK (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)

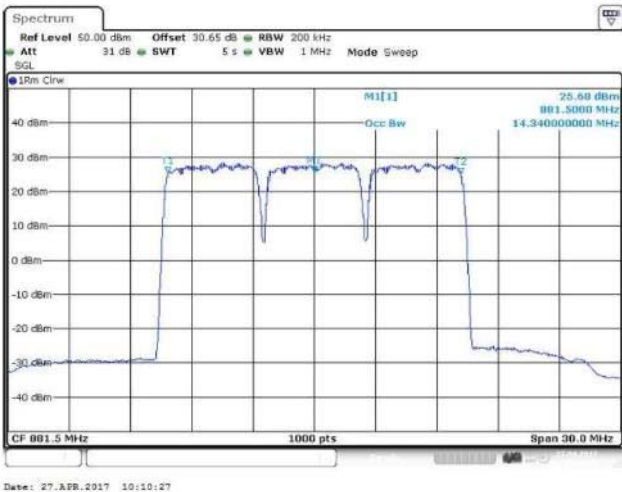


Figure 50 Occupied Bandwidth – 16QAM (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)



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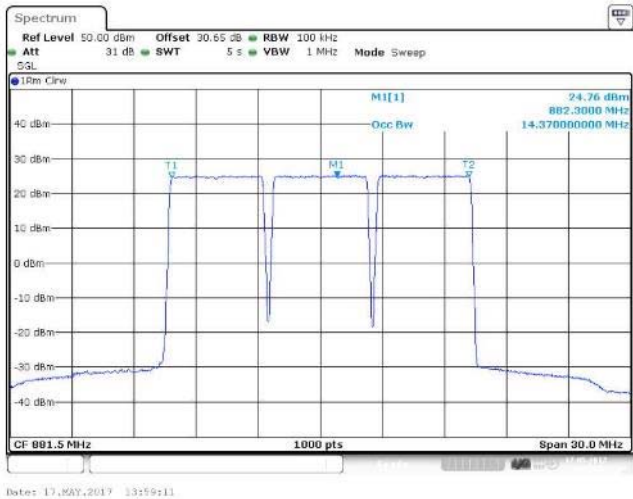


Figure 51 Occupied Bandwidth – 64QAM ((876.5, 881.5, 886.5 MHz)) (3 X 5 MHz Channel BW)

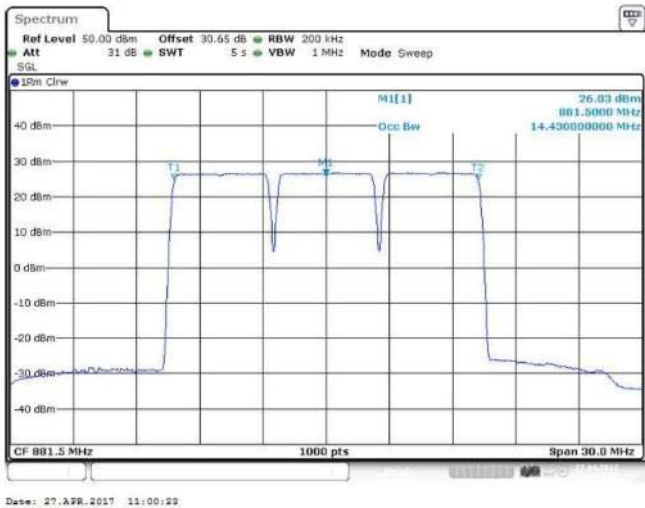


Figure 52 Occupied Bandwidth – 256QAM (881.5 MHz) (3 X 5 MHz Channel BW)



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D555647736

Config C ANT3:

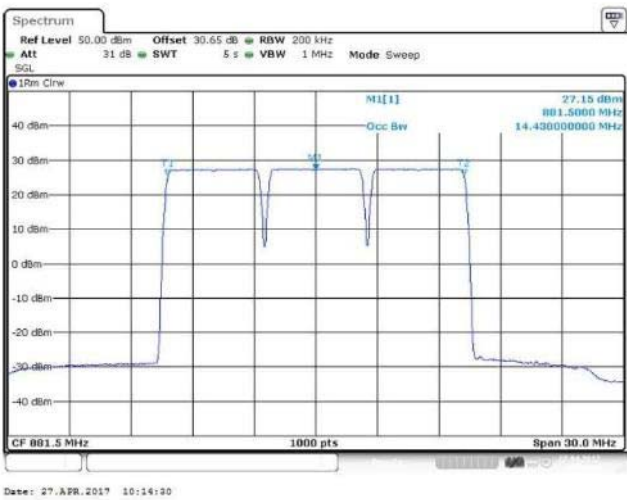


Figure 53 Occupied Bandwidth – QPSK (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)

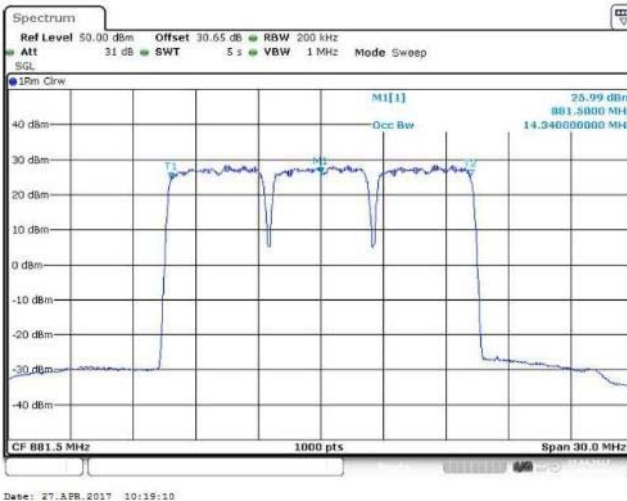


Figure 54 Occupied Bandwidth – 16QAM (876.5, 881.5, 886.5 MHz)) (3 X 5 MHz Channel BW)



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D555647736

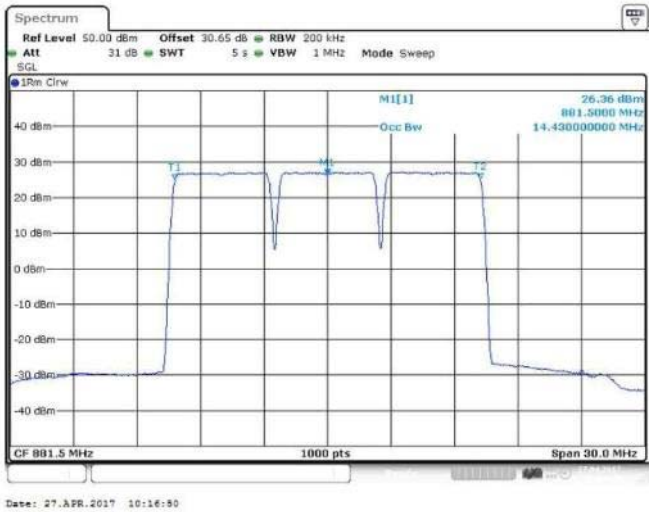


Figure 55 Occupied Bandwidth – 64QAM (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)

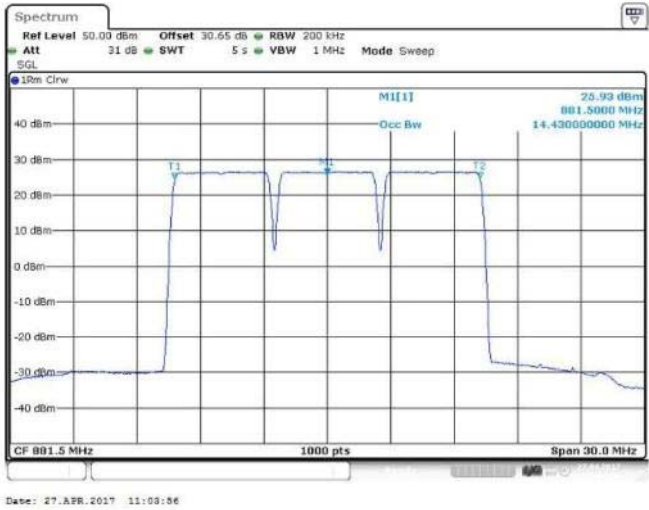


Figure 56 Occupied Bandwidth – 256QAM (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)



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FCC ID:
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Test Report No:
D555647736

Config C ANT4:

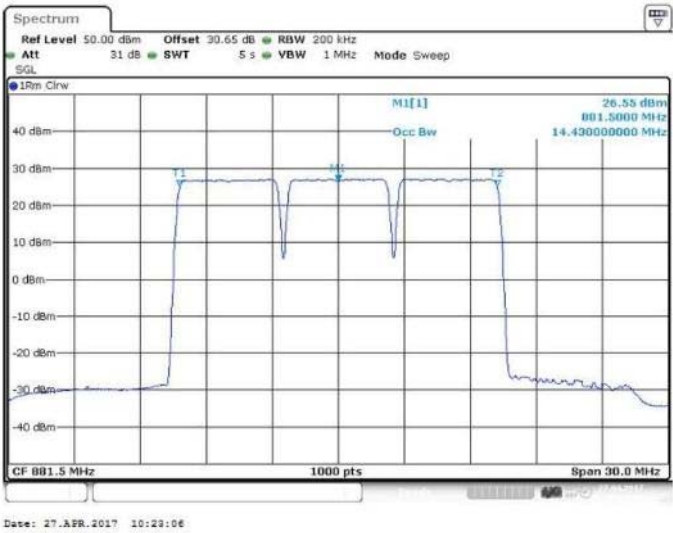


Figure 57 Occupied Bandwidth – QPSK (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)

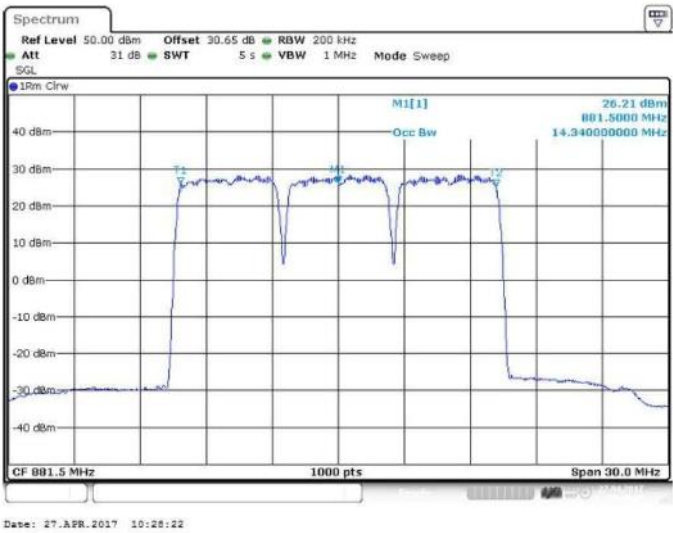


Figure 58 Occupied Bandwidth – 16QAM (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)



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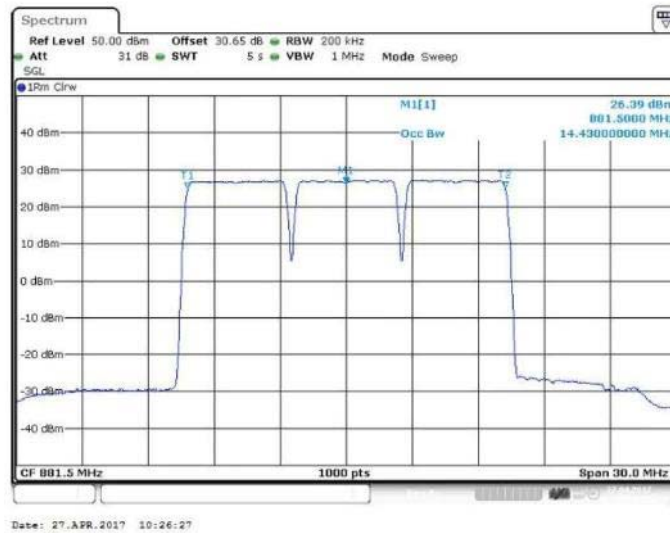


Figure 59 Occupied Bandwidth – 64QAM (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)

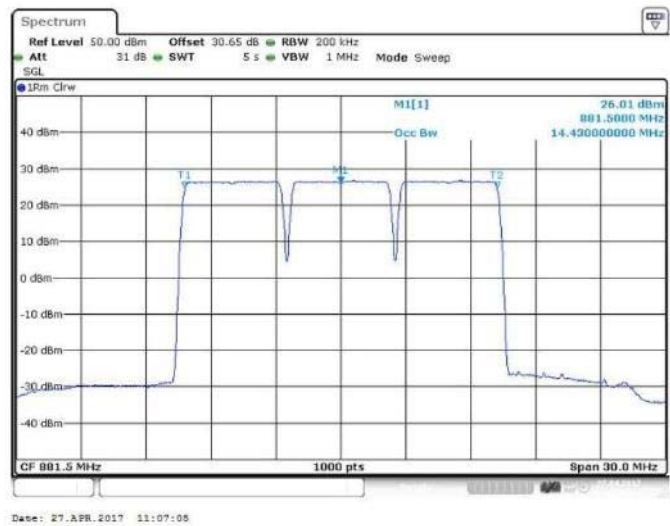


Figure 60 Occupied Bandwidth – 256QAM (876.5, 881.5, 886.5 MHz) (3 X 5 MHz Channel BW)



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D555647736

Config D ANT1:

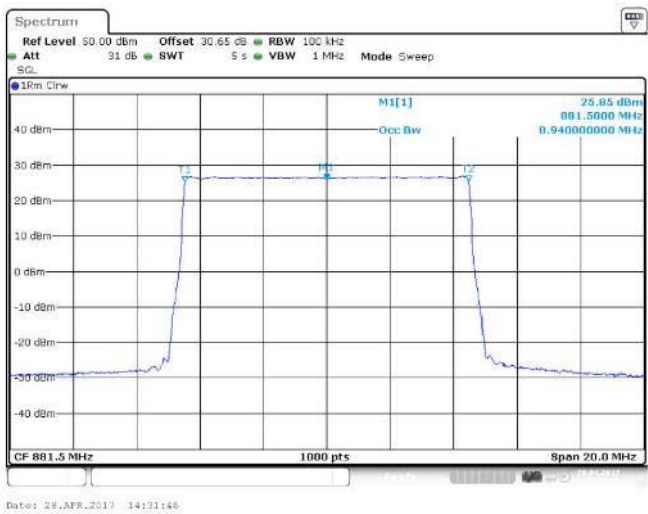


Figure 61 Occupied Bandwidth – QPSK (881.5 MHz) (1 X 10 MHz Channel BW)

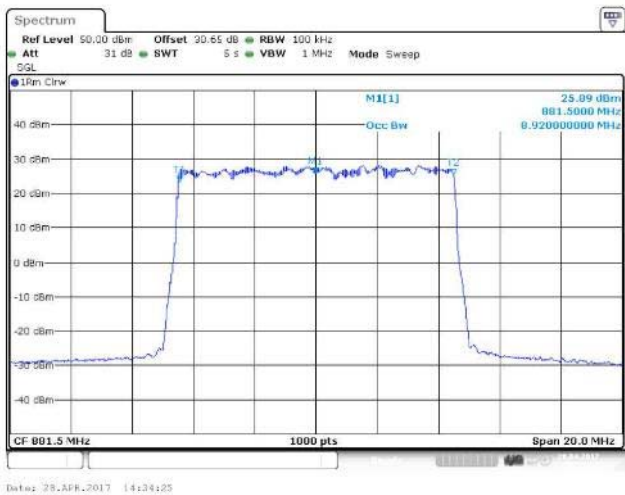


Figure 62 Occupied Bandwidth – 16QAM (881.5 MHz) (1 X 10 MHz Channel BW)

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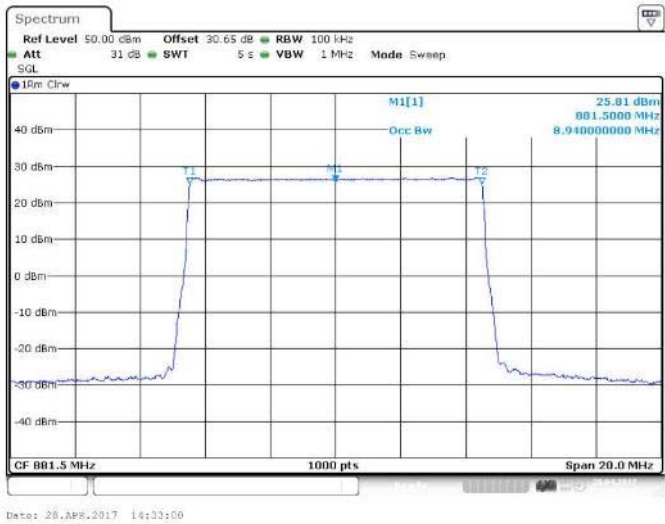


Figure 63 Occupied Bandwidth – 64QAM (881.5 MHz) (1 X 10 MHz Channel BW)

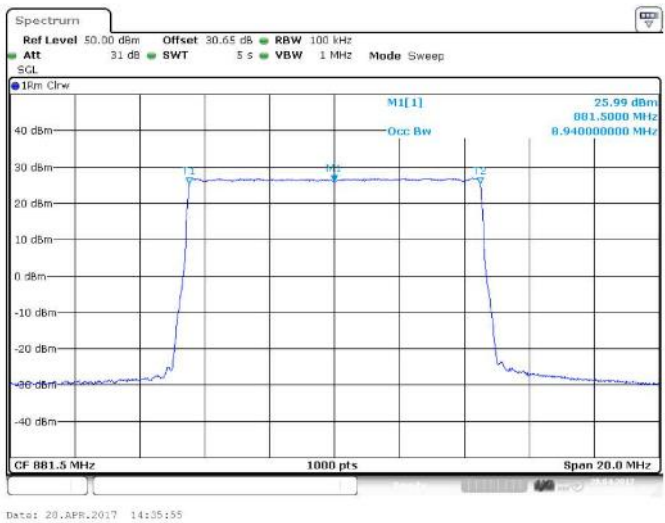


Figure 64 Occupied Bandwidth – 256QAM (881.5 MHz) (1 X 10 MHz Channel BW)



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FCC ID:
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D555647736

Config D ANT2:

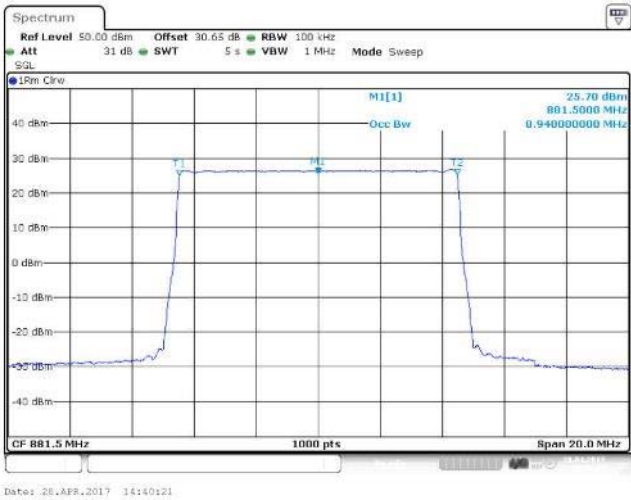


Figure 65 Occupied Bandwidth – QPSK (881.5 MHz) (1 X 10 MHz Channel BW)

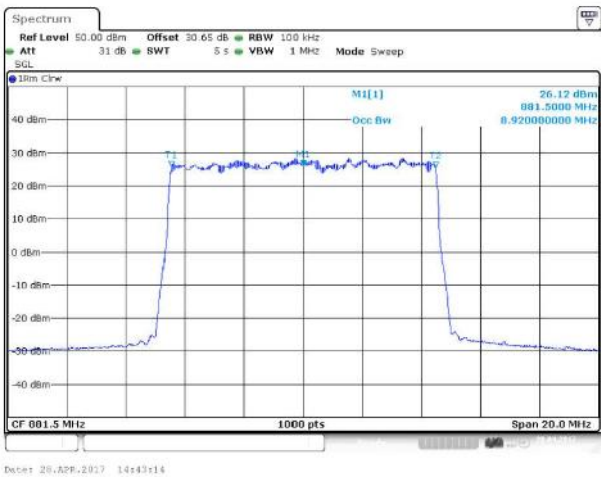


Figure 66 Occupied Bandwidth – 16QAM (881.5 MHz) (1 X 10 MHz Channel BW)



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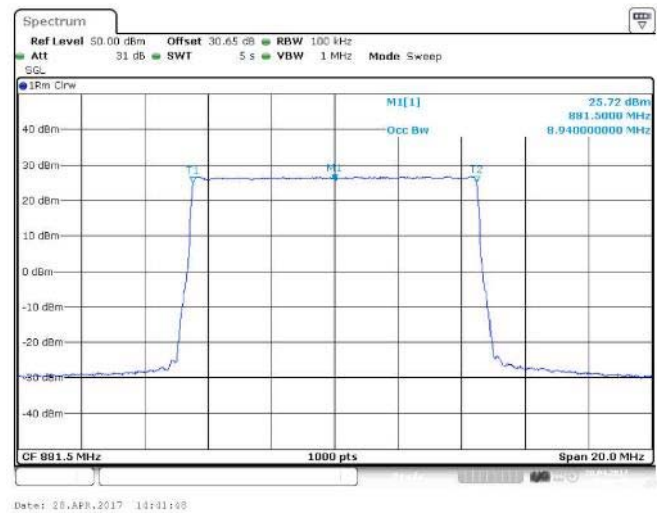


Figure 67 Occupied Bandwidth – 64QAM (881.5 MHz) (1 X 10 MHz Channel BW)

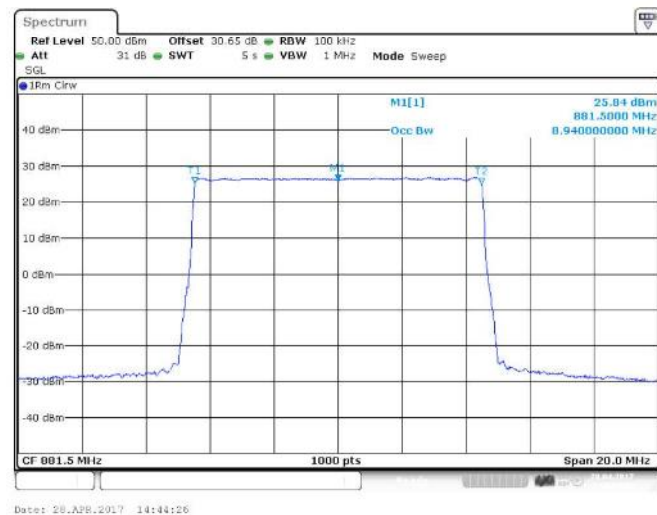


Figure 68 Occupied Bandwidth – 256QAM (881.5 MHz) (1 X 10 MHz Channel BW)



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D555647736

Config D ANT3:

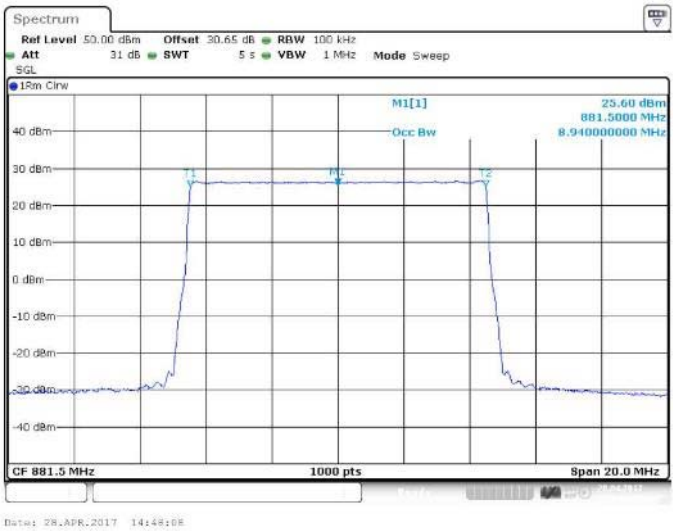
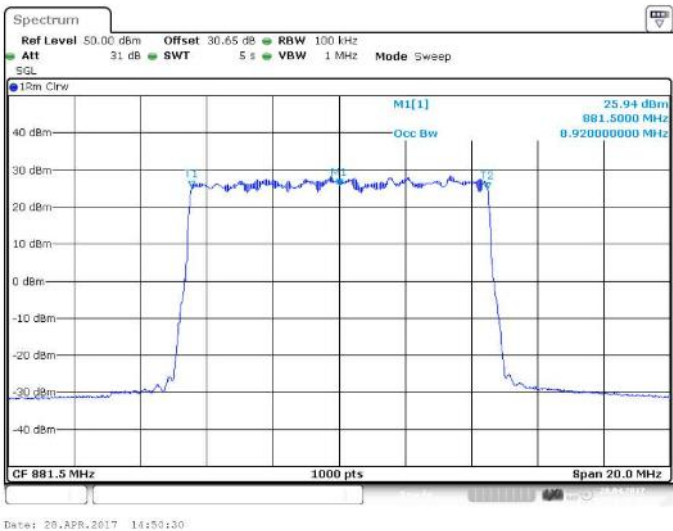


Figure 69 Occupied Bandwidth – QPSK (881.5 MHz) (1 X 10 MHz Channel BW)





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Figure 70 Occupied Bandwidth – 16QAM (881.5 MHz) (1 X 10 MHz Channel BW)



Figure 71 Occupied Bandwidth – 64QAM (881.5 MHz) (1 X 10 MHz Channel BW)

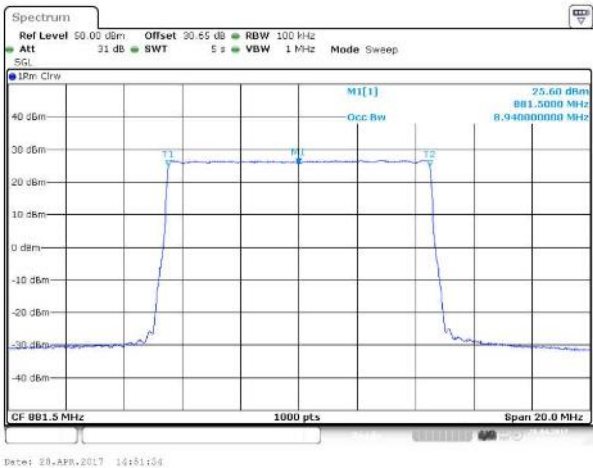


Figure 72 Occupied Bandwidth – 256QAM (881.5 MHz) (1 X 10 MHz Channel BW)



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Config D ANT4:



Figure 73 Occupied Bandwidth – QPSK (881.5 MHz) (1 X 10 MHz Channel BW)

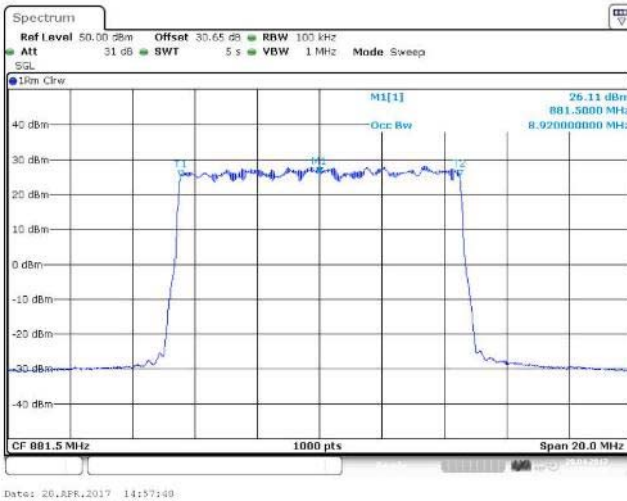


Figure 74 Occupied Bandwidth – 16QAM (881.5 MHz) (1 X 10 MHz Channel BW)



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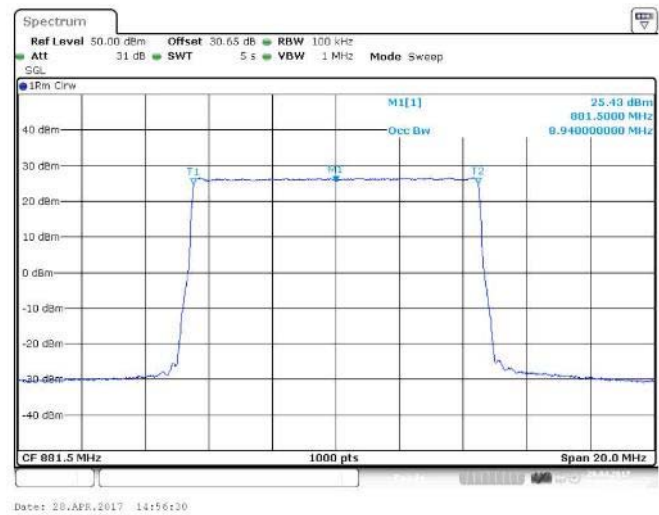


Figure 75 Occupied Bandwidth – 64QAM (881.5 MHz) (1 X 10 MHz Channel BW)

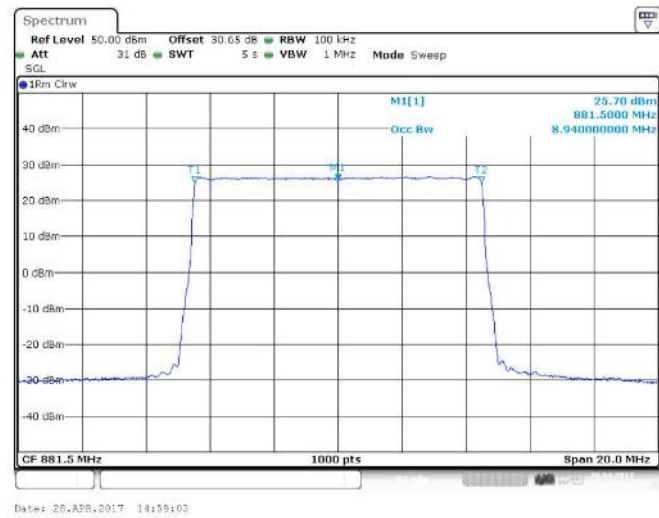


Figure 76 Occupied Bandwidth – 256QAM (881.5 MHz) (1 X 10 MHz Channel BW)



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Config E ANT1:

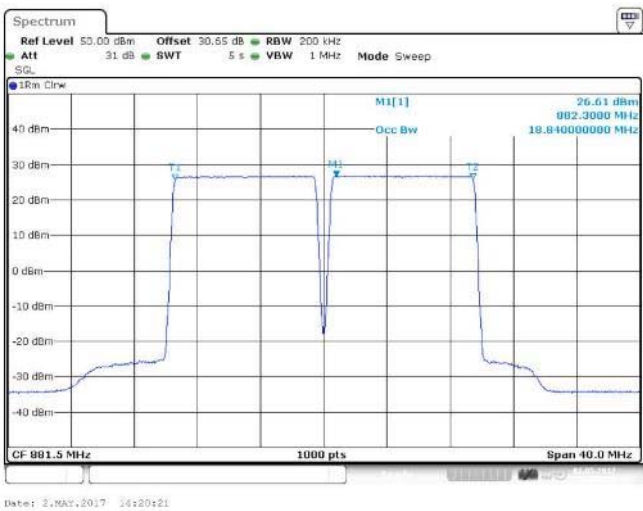


Figure 77 Occupied Bandwidth – QPSK (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)



Figure 78 Occupied Bandwidth – 16QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)



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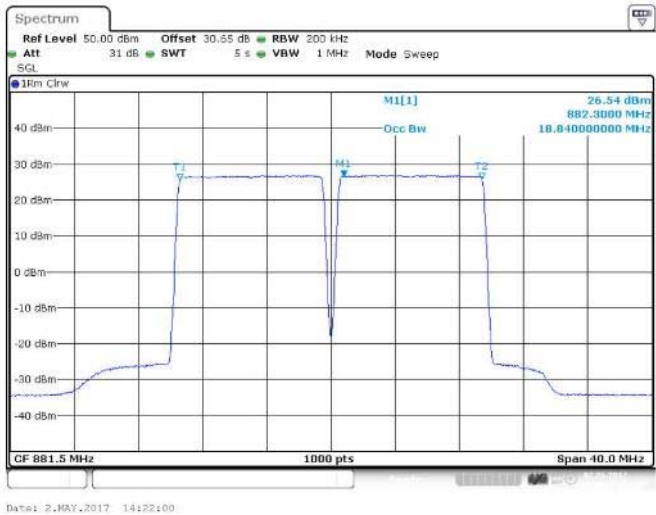


Figure 79 Occupied Bandwidth – 64QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)

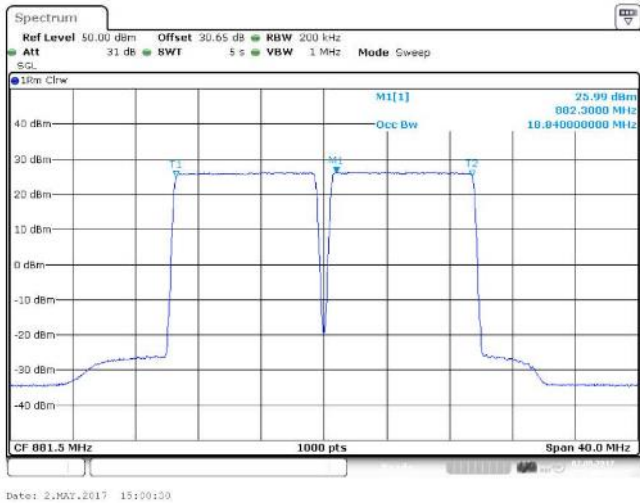


Figure 80 Occupied Bandwidth – 256QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)



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Test Report No:
D555647736

Config E ANT2:

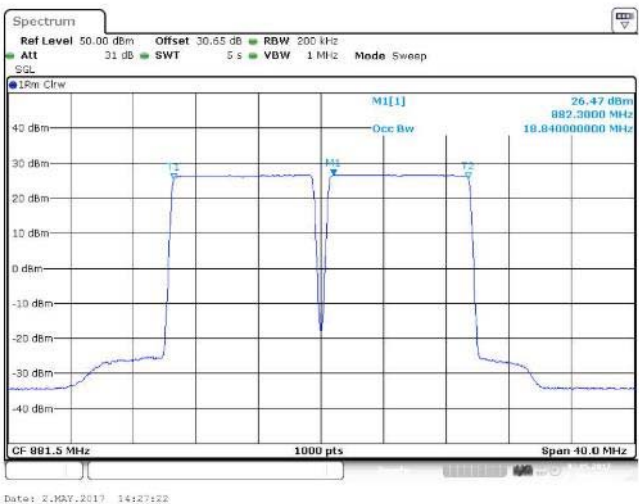


Figure 81 Occupied Bandwidth – QPSK (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)

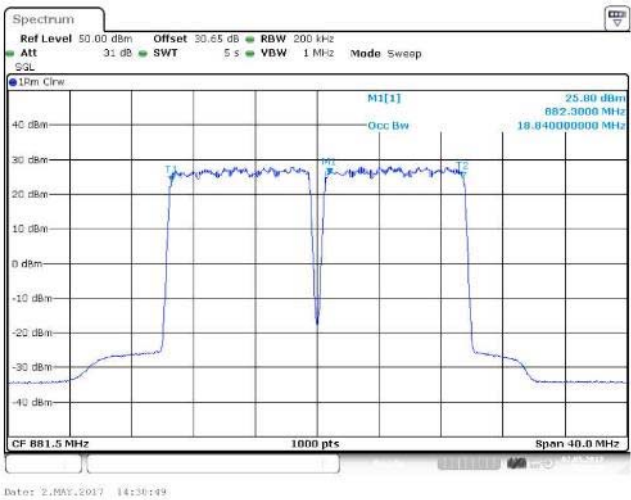


Figure 82 Occupied Bandwidth – 16QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)



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FCC ID:
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D555647736

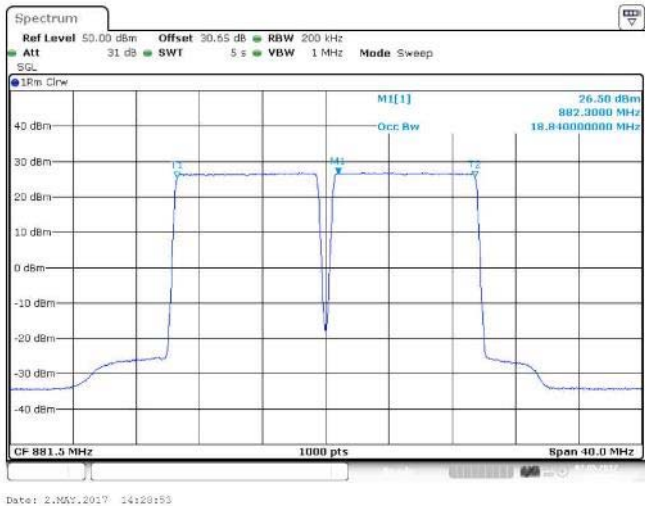


Figure 83 Occupied Bandwidth – 64QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)

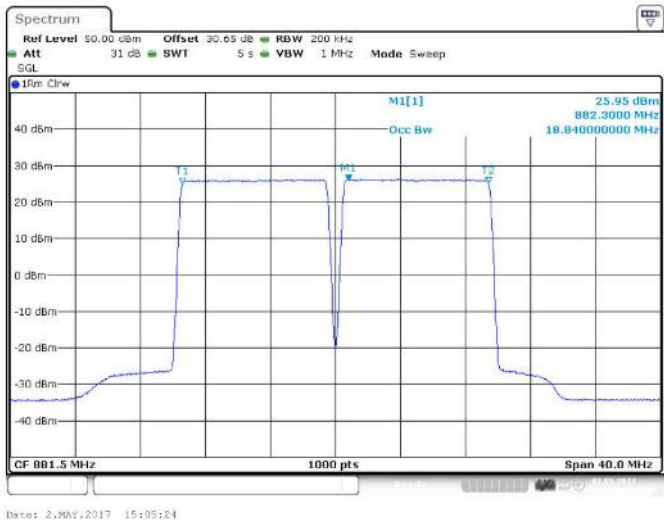


Figure 84 Occupied Bandwidth – 256QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)



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Config E ANT3:

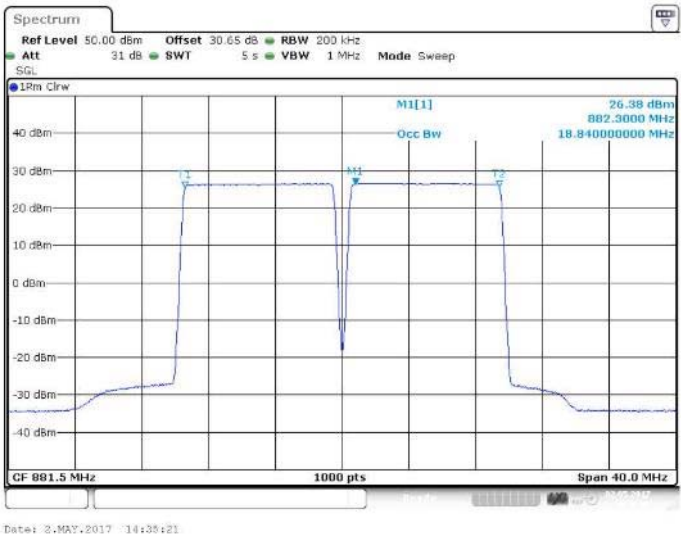


Figure 85 Occupied Bandwidth – QPSK (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)

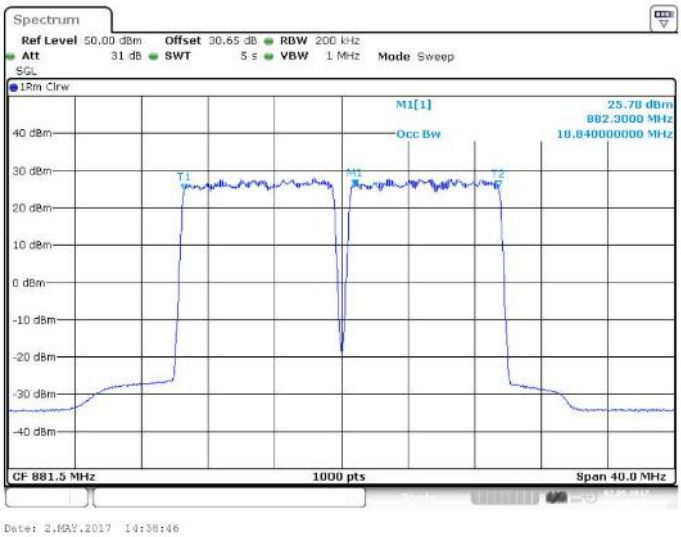


Figure 86 Occupied Bandwidth – 16QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)



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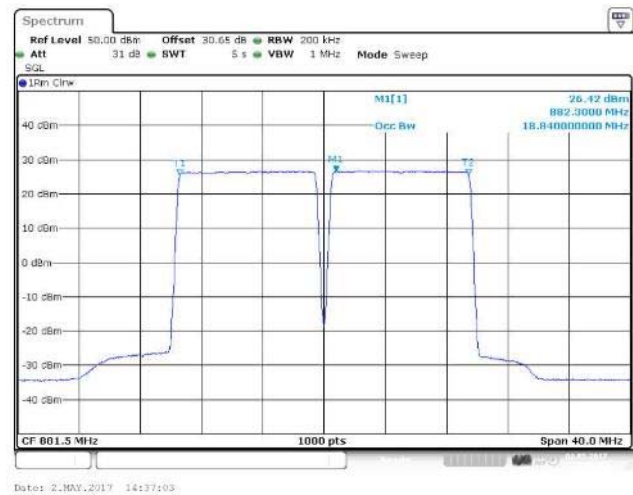


Figure 87 Occupied Bandwidth – 64QAM (881.5 MHz) (2 X 10 MHz Channel BW)

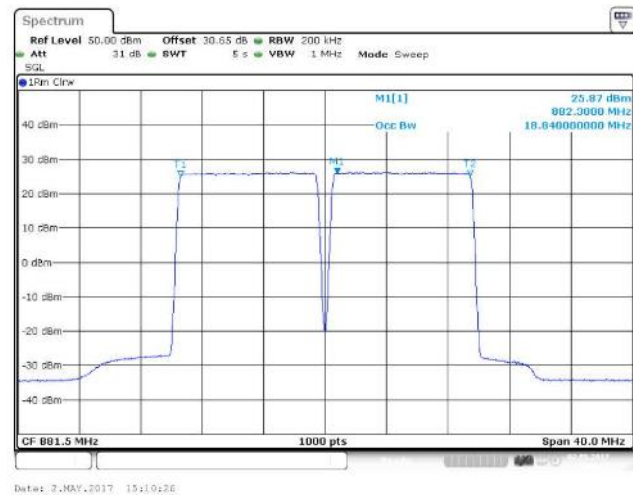


Figure 88 Occupied Bandwidth – 256QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)



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Config E ANT4

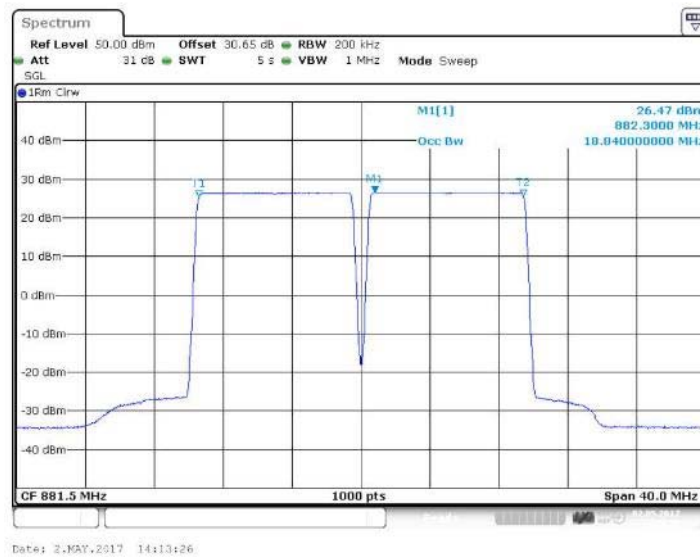
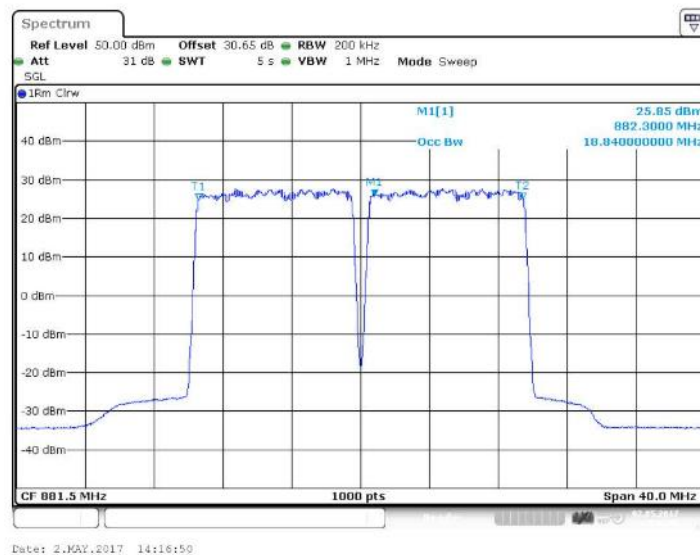


Figure 89 Occupied Bandwidth – QPSK (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)



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Figure 90 Occupied Bandwidth – 16QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)



Figure 91 Occupied Bandwidth – 64QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)

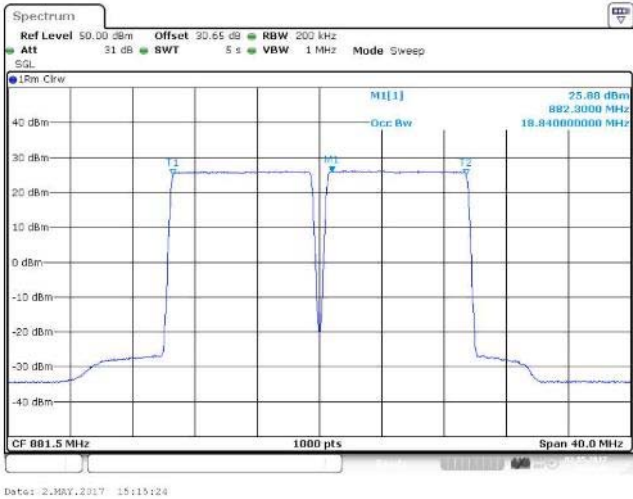


Figure 92 Occupied Bandwidth – 256QAM (876.5 MHz, 886.5 MHz) (2 X 10 MHz Channel BW)

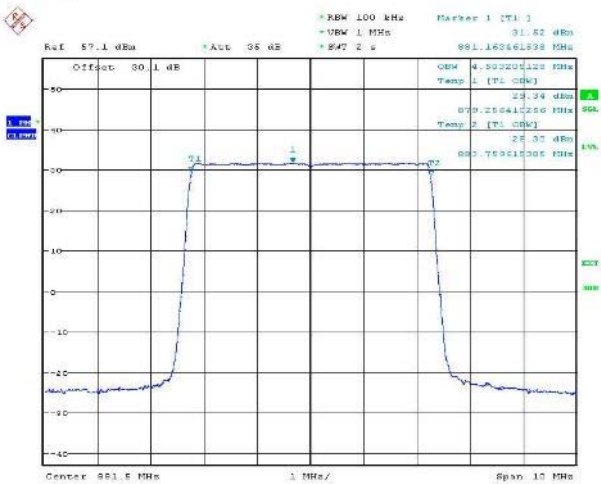


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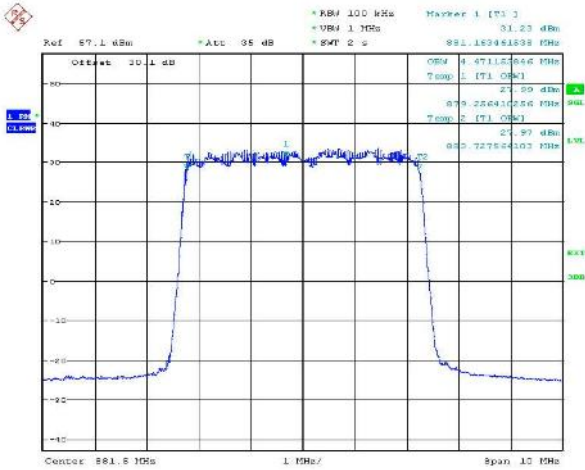
Test Report No:
D555647736

Config F ANT1:



Date: 24.APR.2017 14:15:26

Figure 93 Occupied Bandwidth – QPSK (881.5 MHz) (5MHz Channel BW)



Date: 24.APR.2017 14:21:21

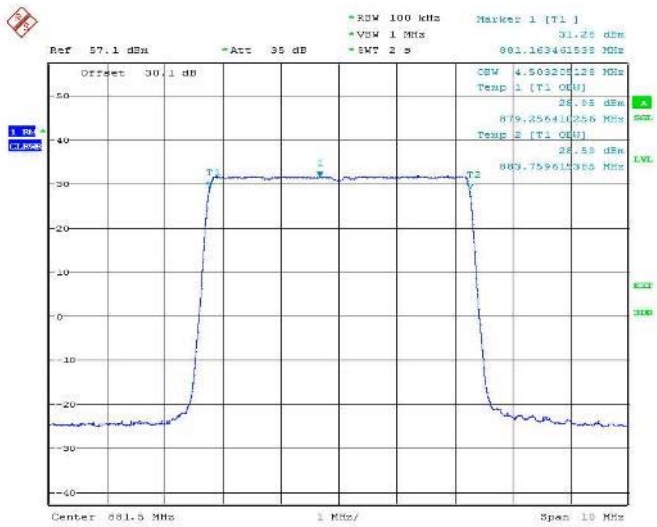
Figure 94 Occupied Bandwidth – 16QAM (881.5 MHz) (5MHz Channel BW)



Product Service

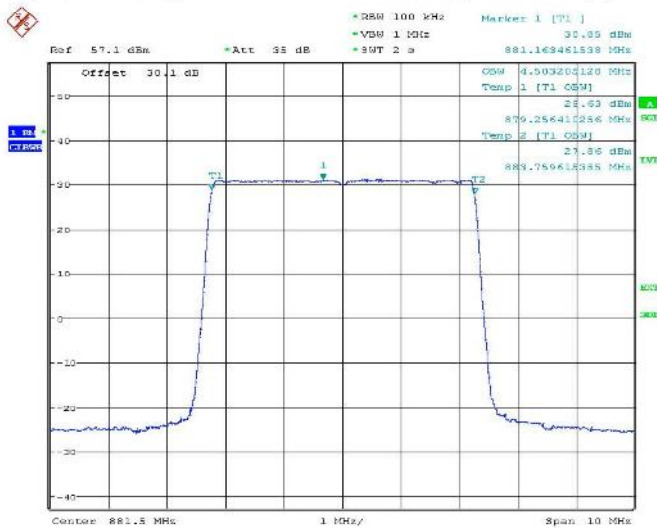
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 24.APR.2017 14:23:39

Figure 95 Occupied Bandwidth – 64QAM (881.5 MHz) (5MHz Channel BW)



Date: 24.APR.2017 12:45:37

Figure 96 Occupied Bandwidth – 256QAM (881.5 MHz) (5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

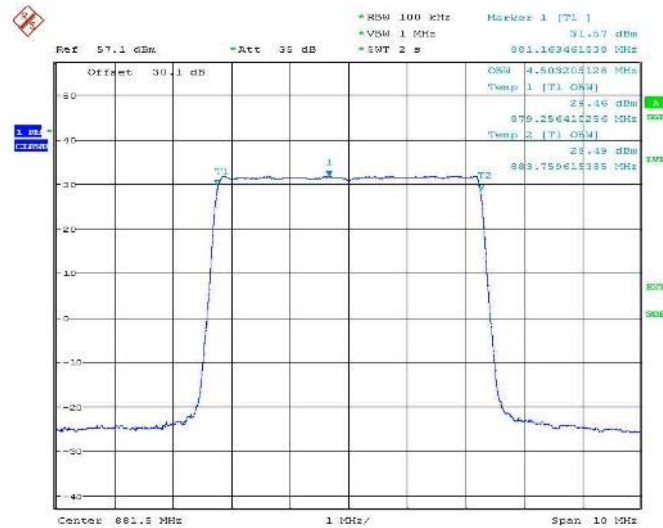
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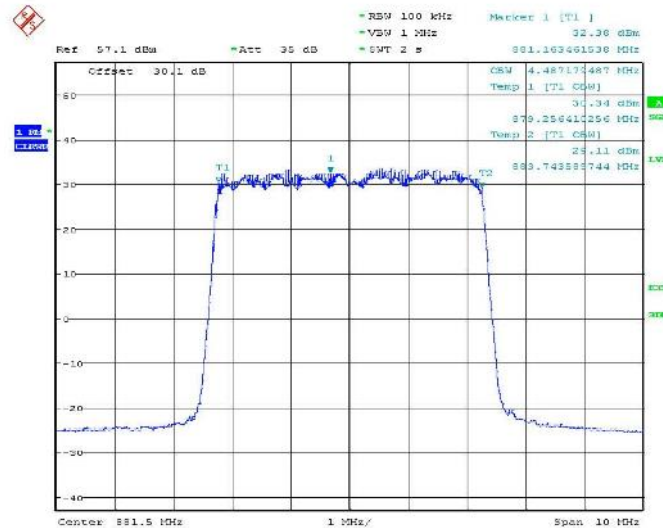
Product Service

FCC ID:
VBNAHCA-01

Test Report No:
D555647736

Config F ANT3:

Date: 24.APR.2017 13:38:55

Figure 97 Occupied Bandwidth – QPSK (881.5 MHz) (5MHz Channel BW)

Date: 24.APR.2017 13:48:42

Figure 98 Occupied Bandwidth – 16QAM (881.5 MHz) (5MHz Channel BW)

FCC 47 CFR part 22
(2016)

23. May 2017

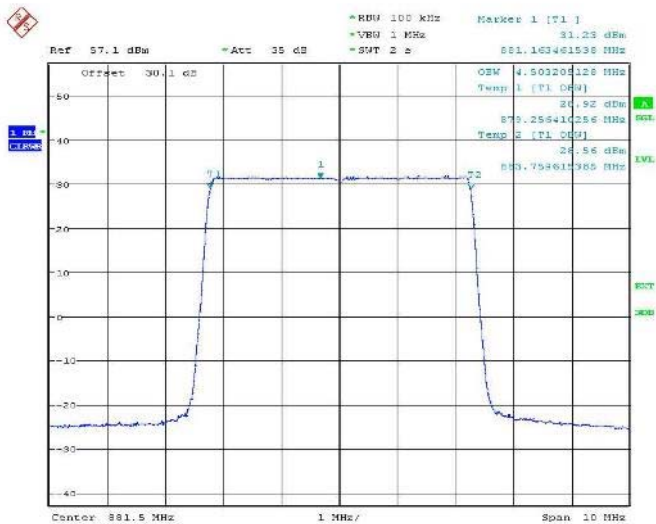
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Product Service

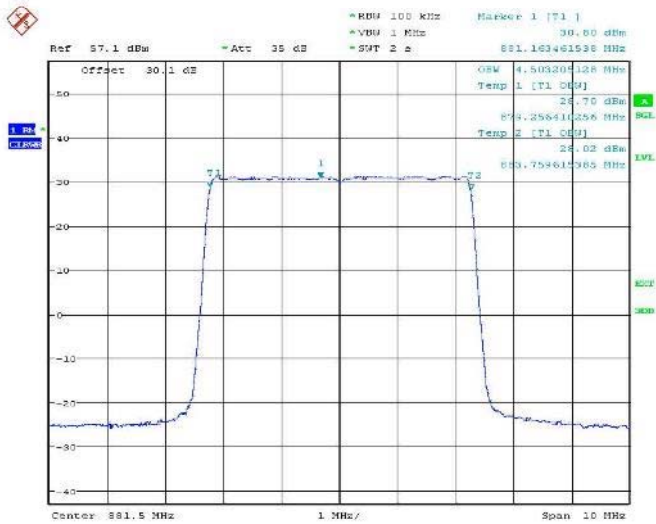
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 24.APR.2017 13:56:32

Figure 99 Occupied Bandwidth – 64QAM (881.5 MHz) (5MHz Channel BW)



Date: 24.APR.2017 13:14:02

Figure 100 Occupied Bandwidth – 256QAM (881.5 MHz) (5MHz Channel BW)

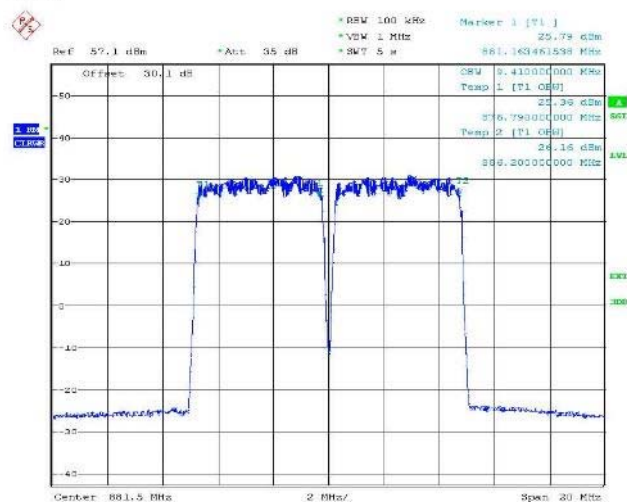
FCC ID:
VBNAHCA-01

Test Report No:
D555647736

Config G ANT1:

Date: 26.APR.2017 08:26:45

Figure 101 Occupied Bandwidth – QPSK (879/884 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 08:34:11

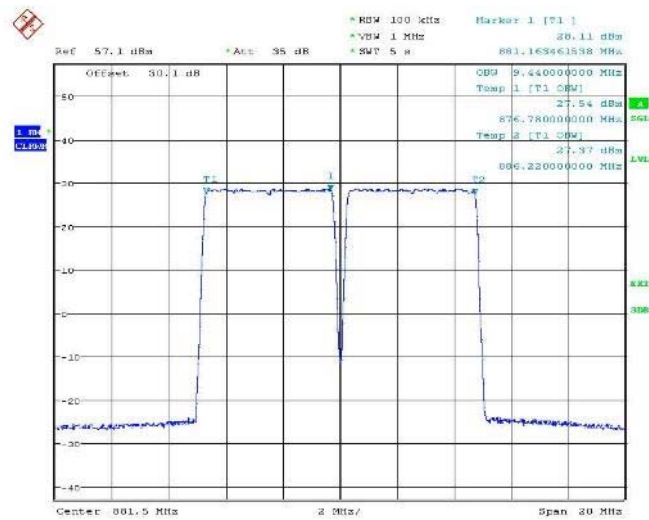
Figure 102 Occupied Bandwidth – 16QAM (879/884 MHz) (5+5MHz Channel BW)



Product Service

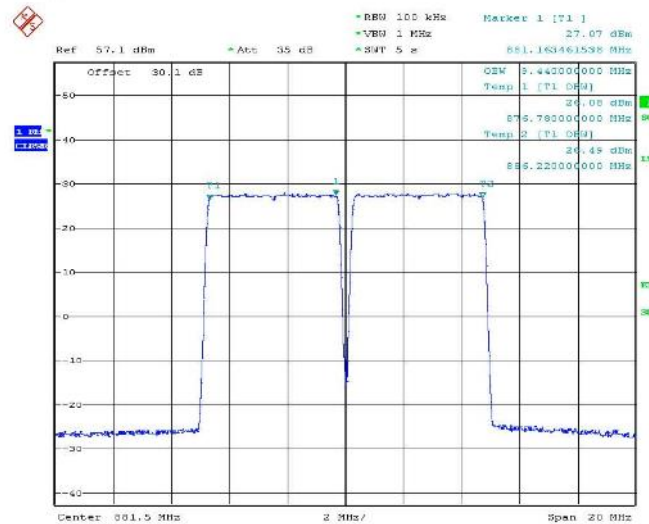
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 05:39:25

Figure 103 Occupied Bandwidth – 64QAM (879/884 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 06:51:32

Figure 104 Occupied Bandwidth – 256QAM (879/884 MHz) (5+5MHz Channel BW)

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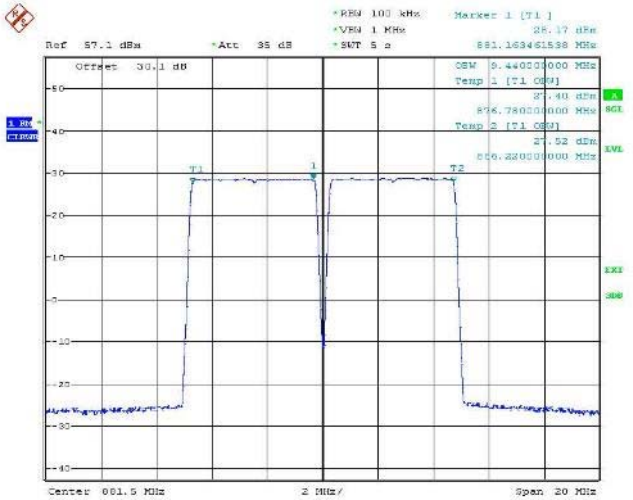


Product Service

FCC ID:
VBNAHCA-01

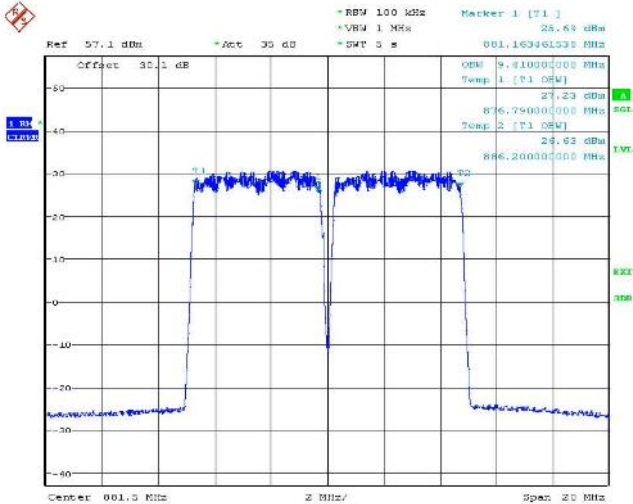
Test Report No:
D555647736

Config G ANT3:



Date: 26.APR.2017 08:06:08

Figure 105 Occupied Bandwidth – QPSK (879/884 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 08:13:42

Figure 106 Occupied Bandwidth – 16QAM (879/884 MHz) (5+5MHz Channel BW)

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(2016)

23. May 2017

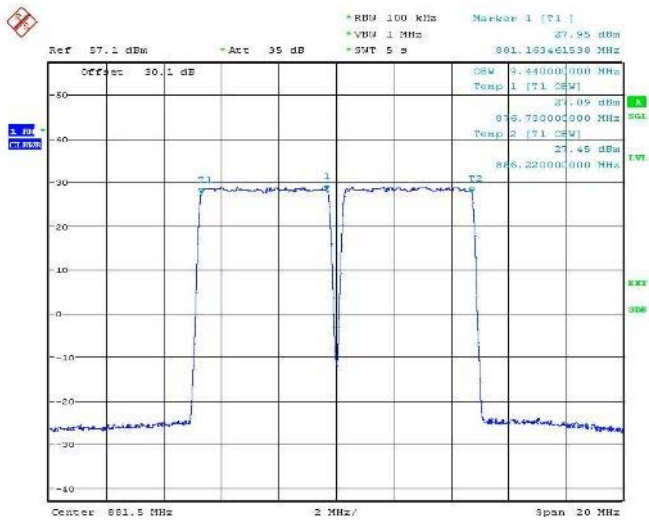
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Product Service

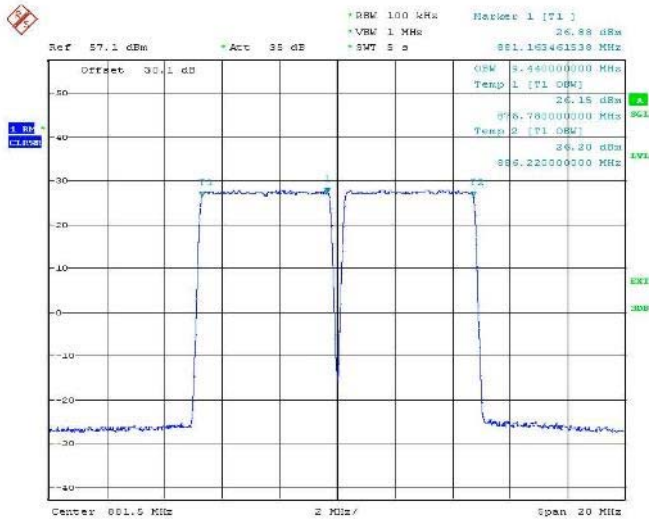
FCC ID:
VBNAHCA-01

Test Report No:
D555647736



Date: 26.APR.2017 08:17:54

Figure 107 Occupied Bandwidth – 64QAM (879/884 MHz) (5+5MHz Channel BW)



Date: 26.APR.2017 07:06:05

Figure 108 Occupied Bandwidth – 256QAM (879/884 MHz) (5+5MHz Channel BW)

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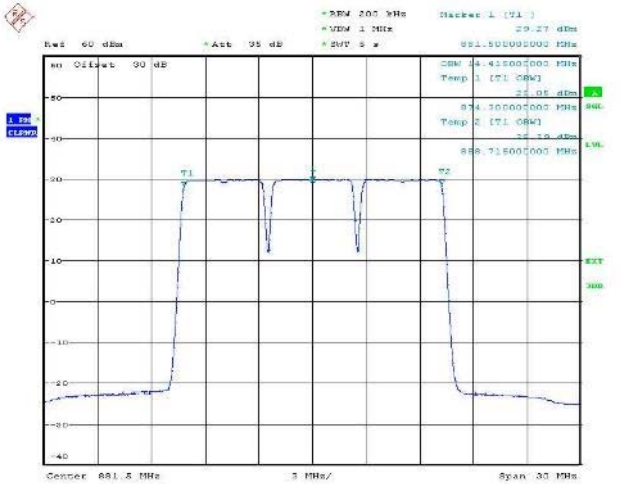


Product Service

FCC ID:
VBNAHCA-01

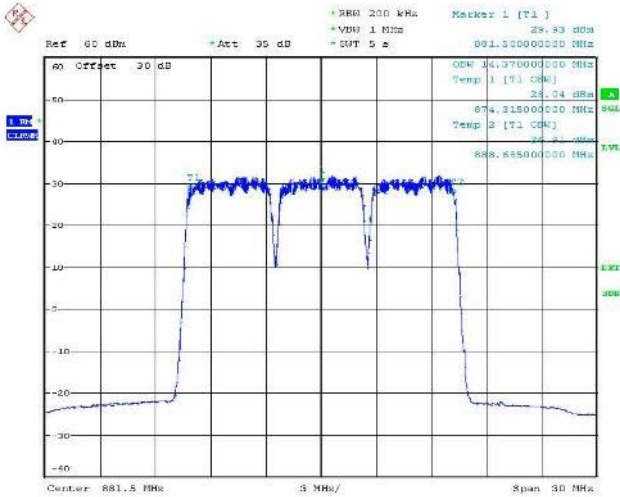
Test Report No:
D555647736

Config H ANT1:



Date: 26.APR.2017 14:30:39

Figure 109 Occupied Bandwidth – QPSK (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)



Date: 26.APR.2017 14:40:07

Figure 110 Occupied Bandwidth – 16QAM (876.5/881.5/886.5 MHz) (5+5+5MHz Channel BW)