

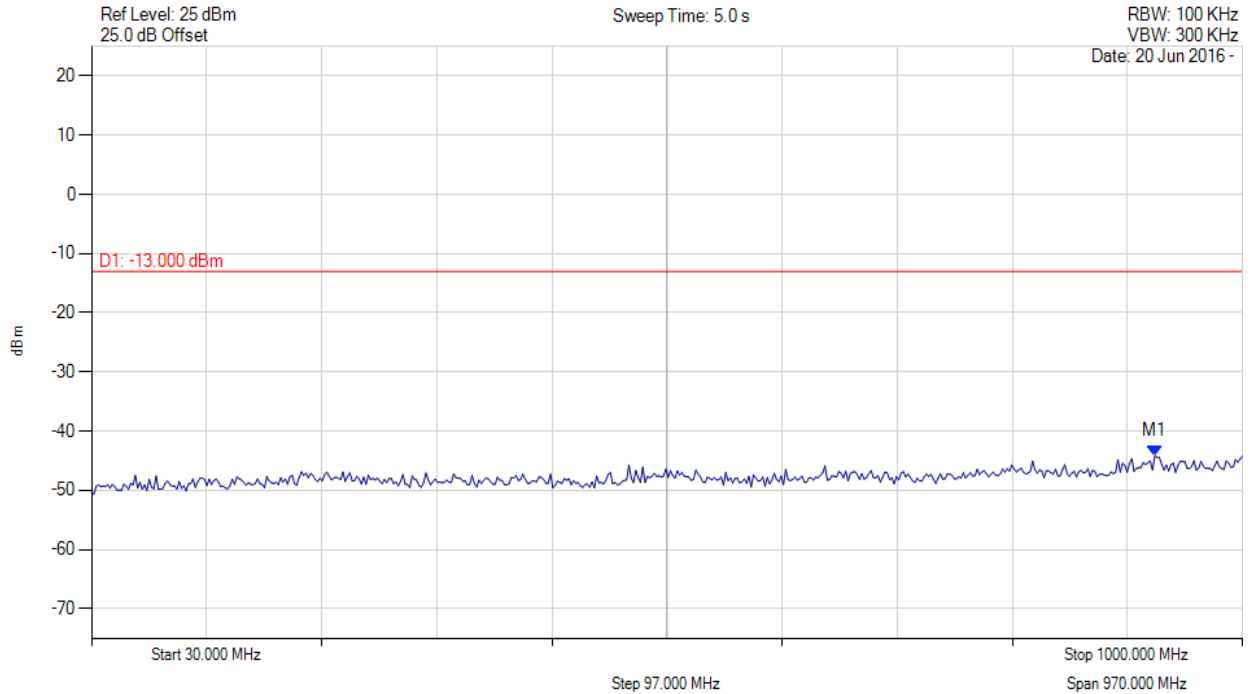


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 181 of 379



Unwanted Emissions 30-1000MHz

Variant: 10MHz QPSK, Channel: 10.71 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

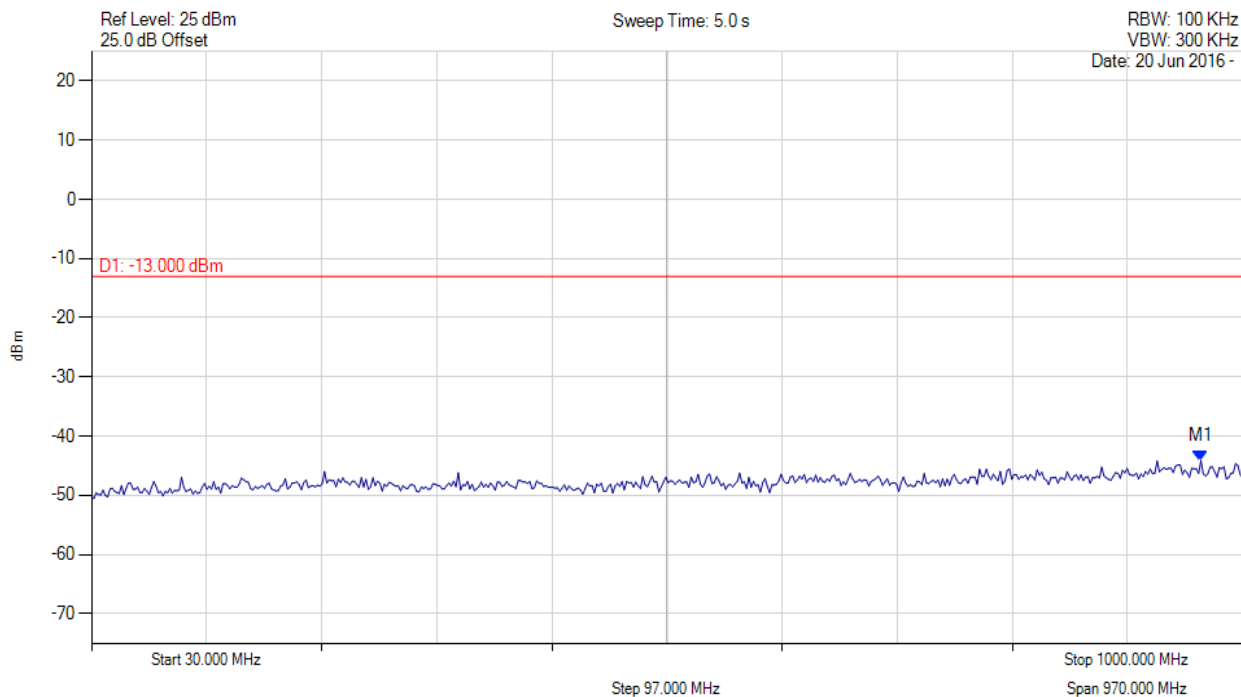


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 926.132 MHz : -44.166 dBm	Channel Frequency: 10.71 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 10MHz QPSK, Channel: 10.72 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

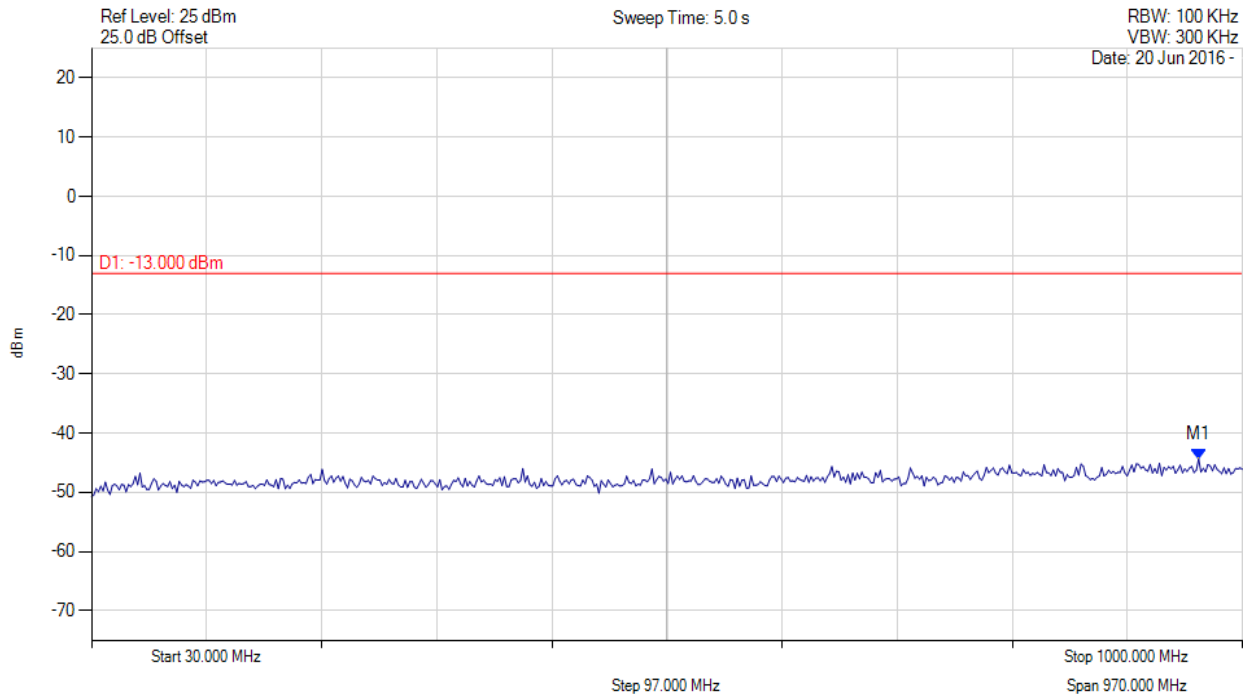


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 965.010 MHz : -44.131 dBm	Channel Frequency: 10.72 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 10MHz QPSK, Channel: 11.21 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

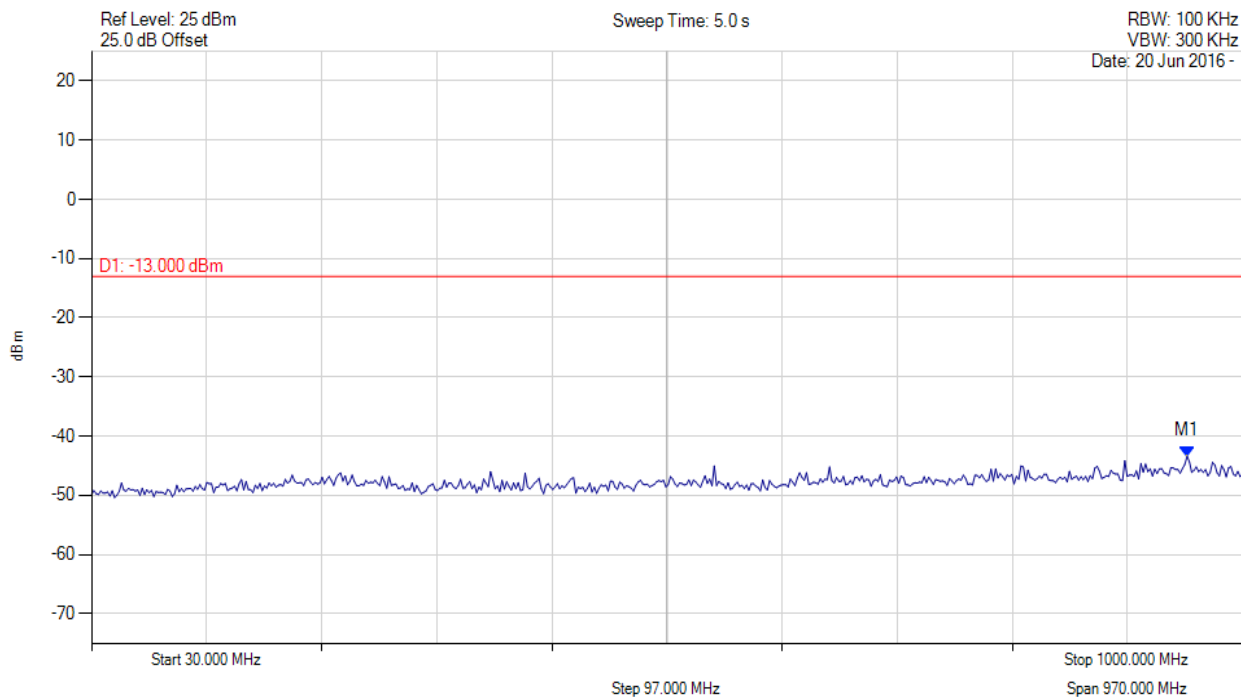


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 963.066 MHz : -44.341 dBm	Channel Frequency: 11.21 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 10MHz QPSK, Channel: 11.21 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

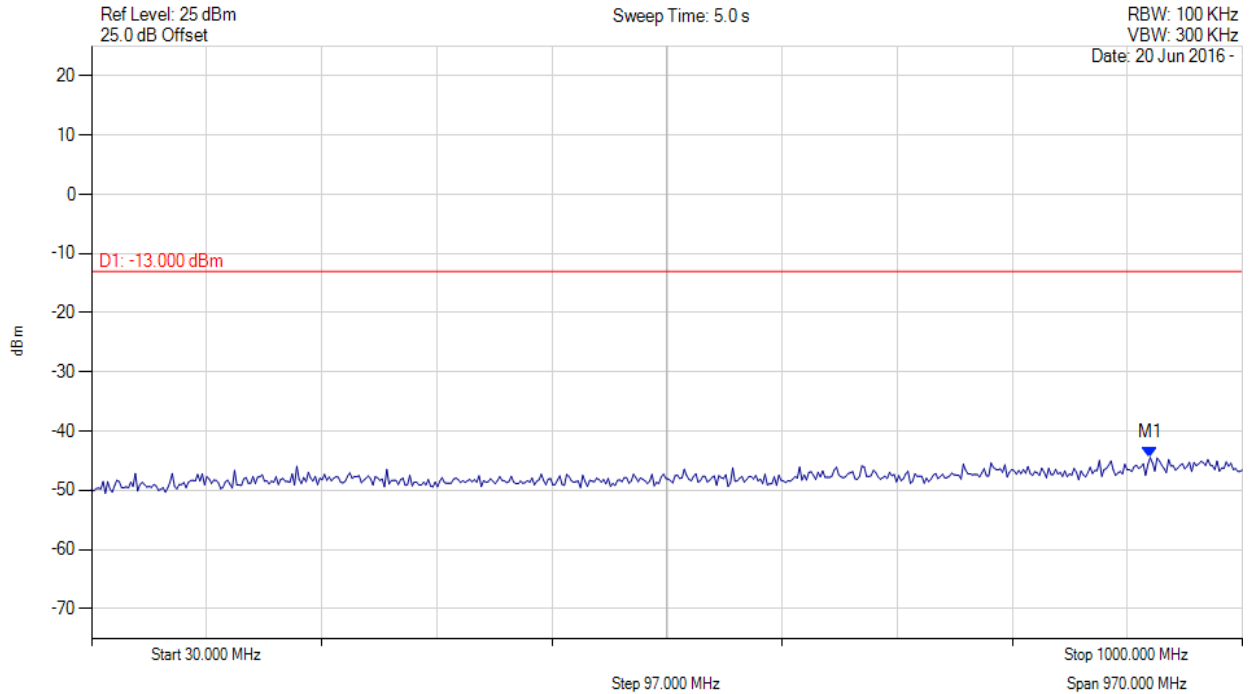


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 953.347 MHz : -43.381 dBm	Channel Frequency: 11.21 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 10MHz QPSK, Channel: 11.66 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

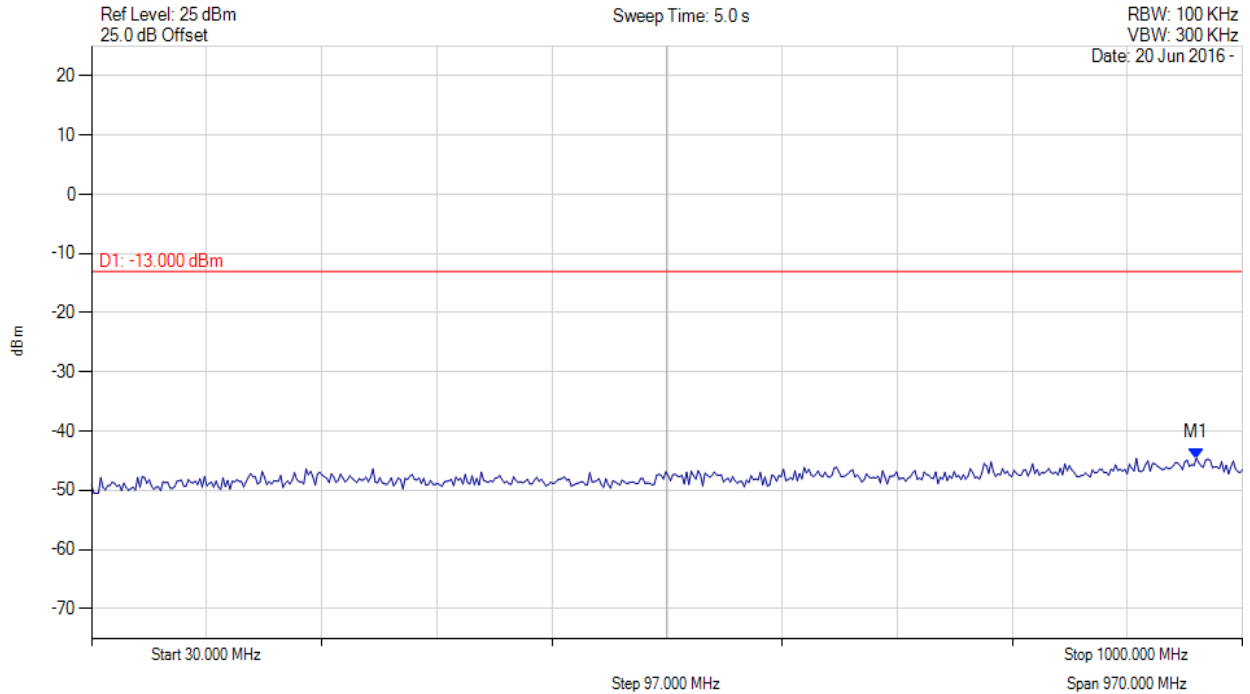


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 922.244 MHz : -44.465 dBm	Channel Frequency: 11.66 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 10MHz QPSK, Channel: 11.66 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

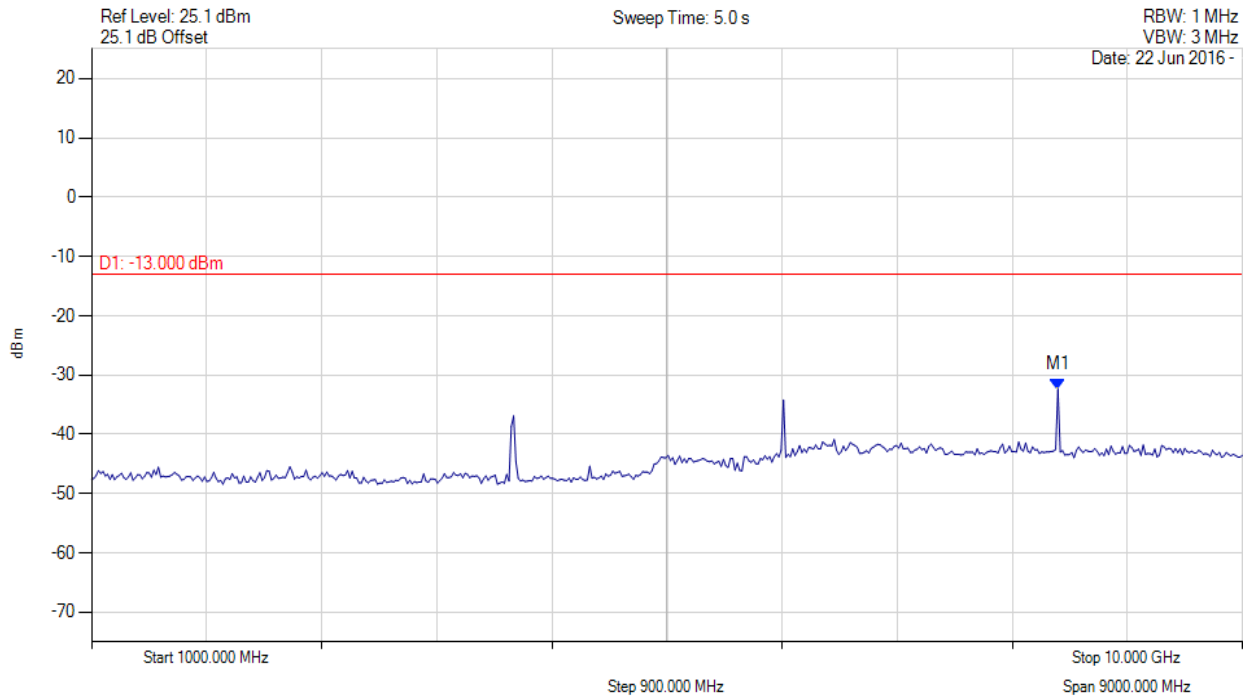


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 961.122 MHz : -44.554 dBm	Channel Frequency: 11.66 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 1000-10000 MHz

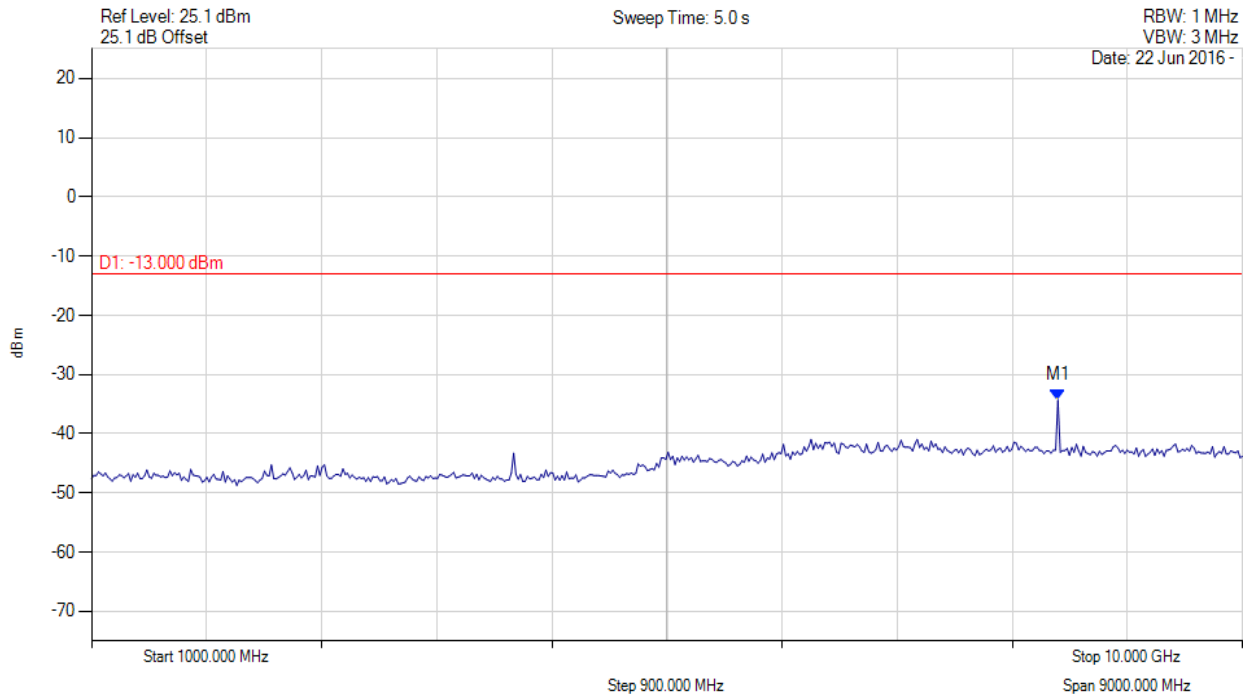
Variant: 10MHz QPSK, Channel: 10.71 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8557.114 MHz : -32.384 dBm	Channel Frequency: 10.71 GHz

Unwanted Emissions 1000-10000 MHz

Variant: 10MHz QPSK, Channel: 10.71 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8557.114 MHz : -34.306 dBm	Channel Frequency: 10.71 GHz

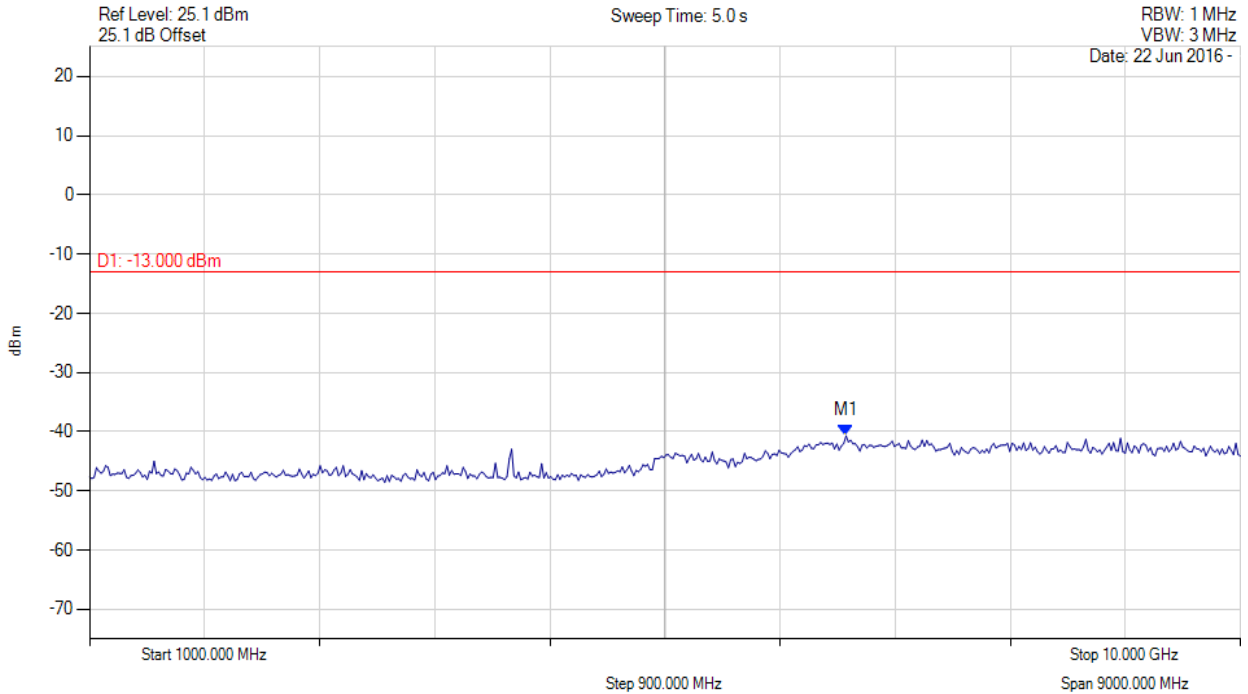


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 189 of 379



Unwanted Emissions 1000-10000 MHz

Variant: 10MHz QPSK, Channel: 11.21 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 6915.832 MHz : -40.679 dBm	Channel Frequency: 11.21 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

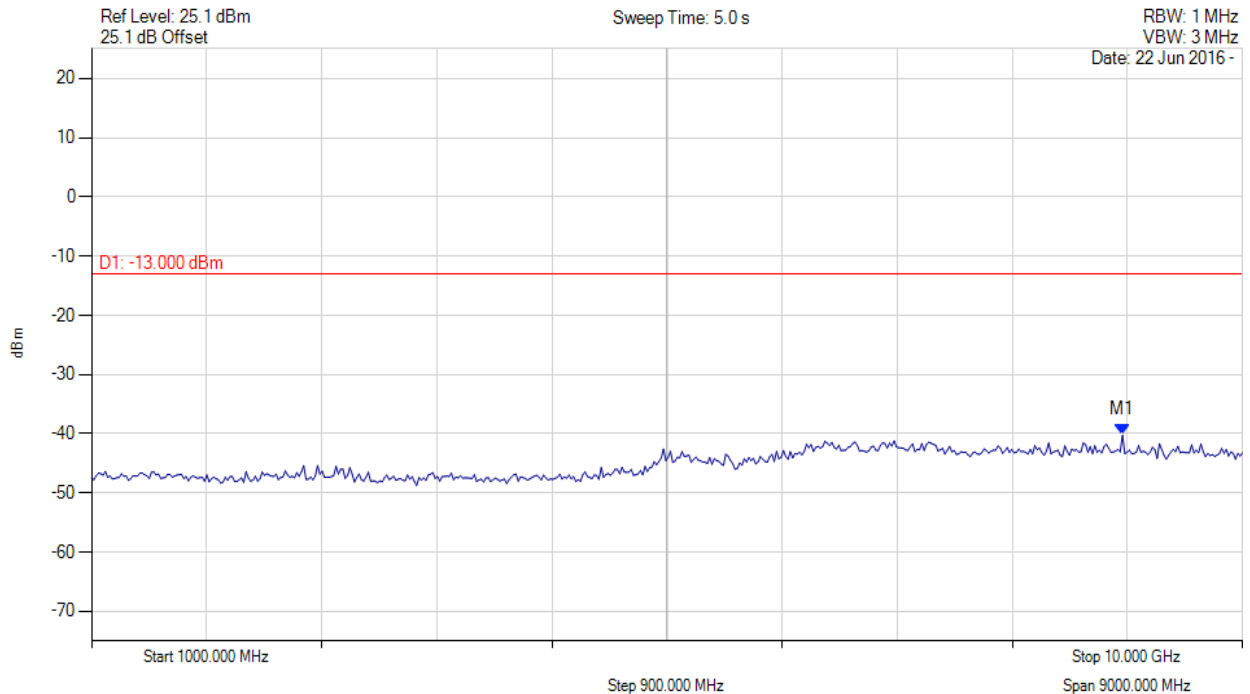


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 190 of 379



Unwanted Emissions 1000-10000 MHz

Variant: 10MHz QPSK, Channel: 11.21 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

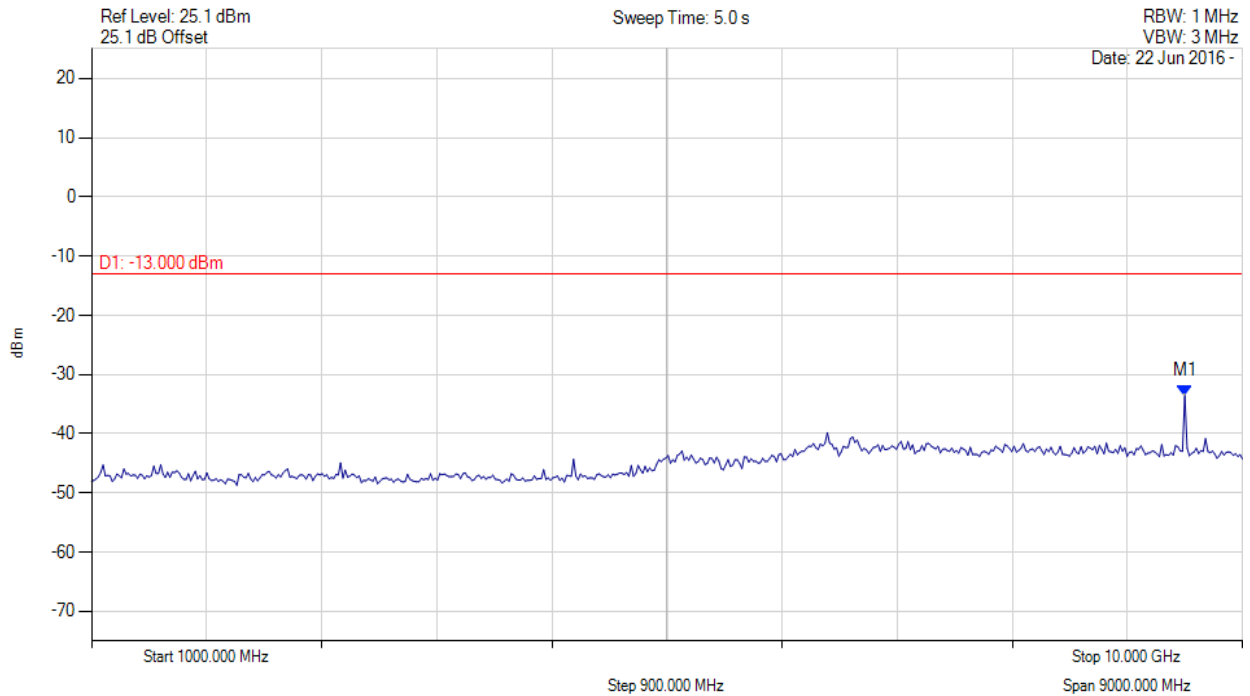


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9062.124 MHz : -40.234 dBm	Channel Frequency: 11.21 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 1000-10000 MHz

Variant: 10MHz QPSK, Channel: 11.70 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

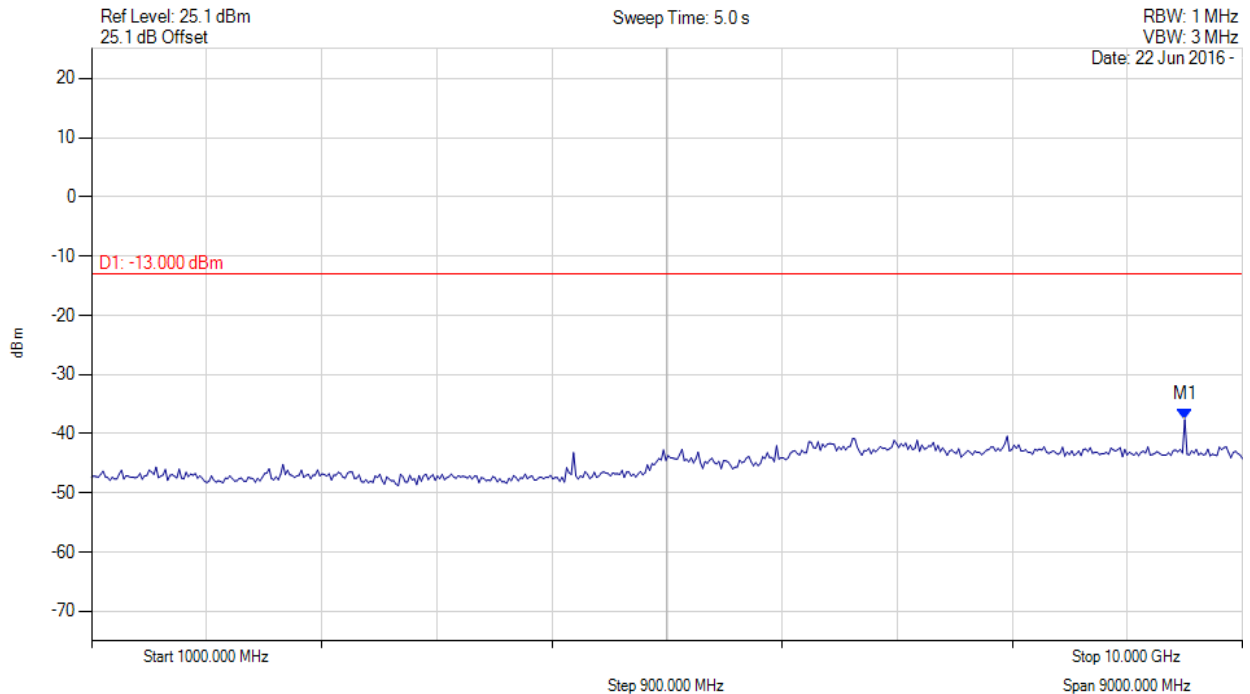


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9549.098 MHz : -33.553 dBm	Channel Frequency: 11.70 GHz

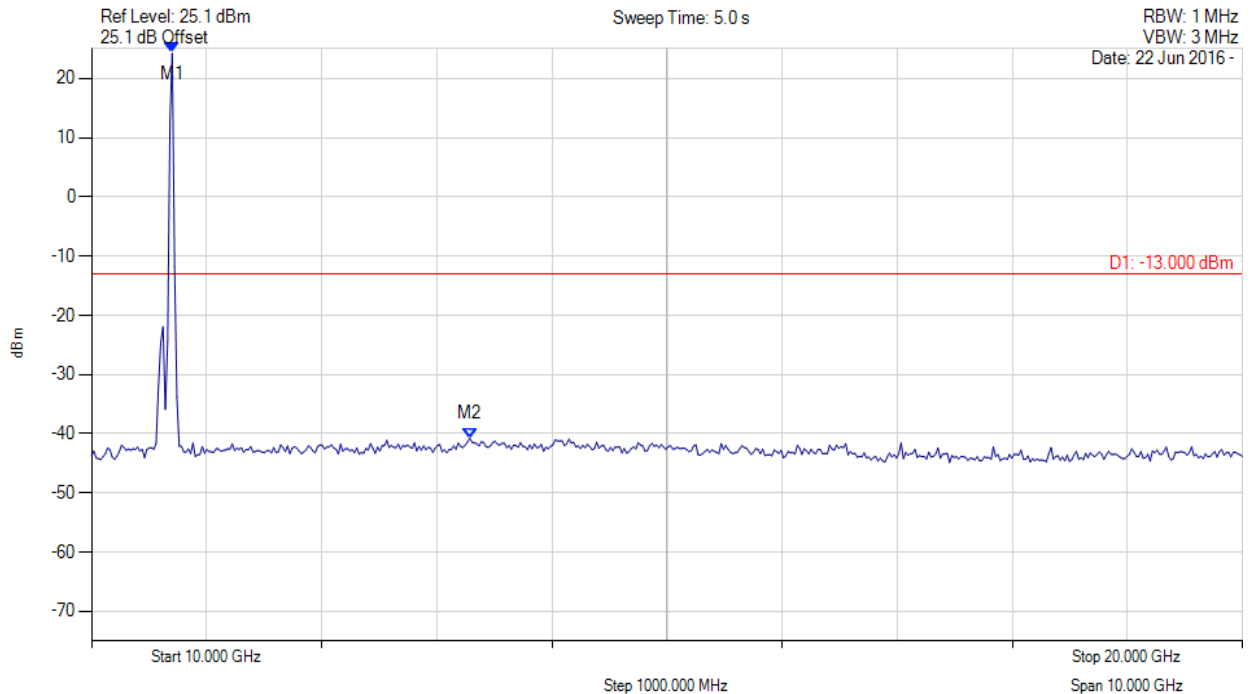
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 1000-10000 MHz

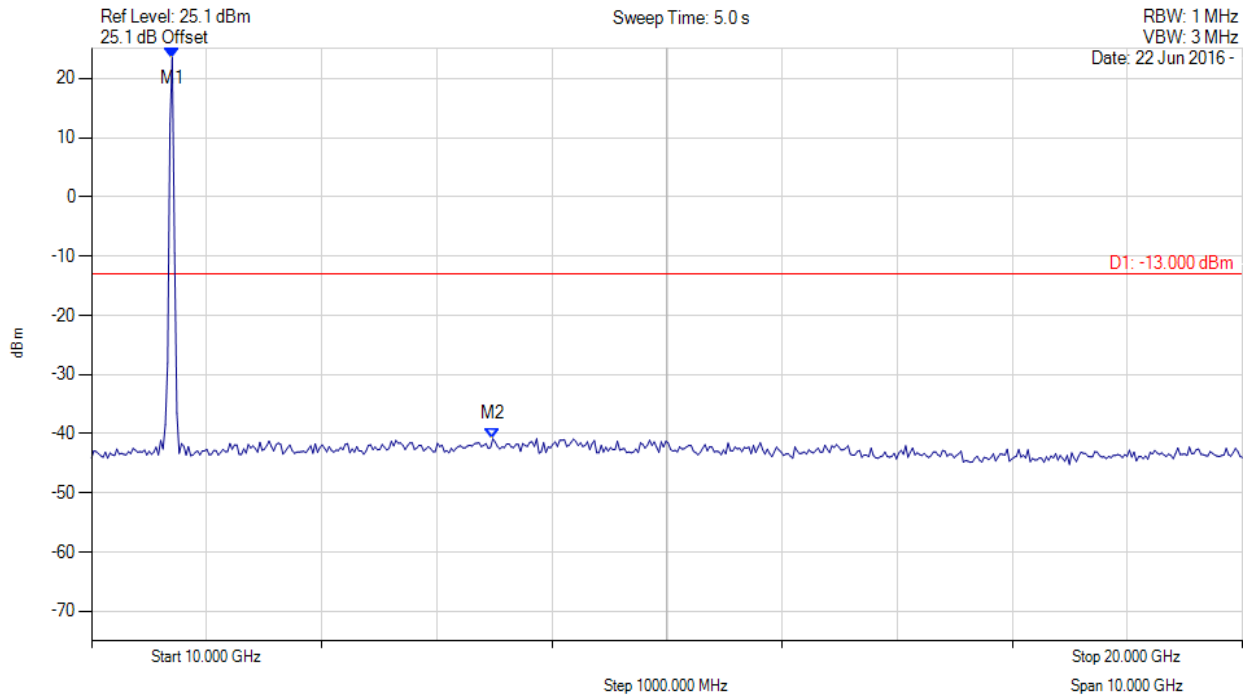
Variant: 10MHz QPSK, Channel: 11.70 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



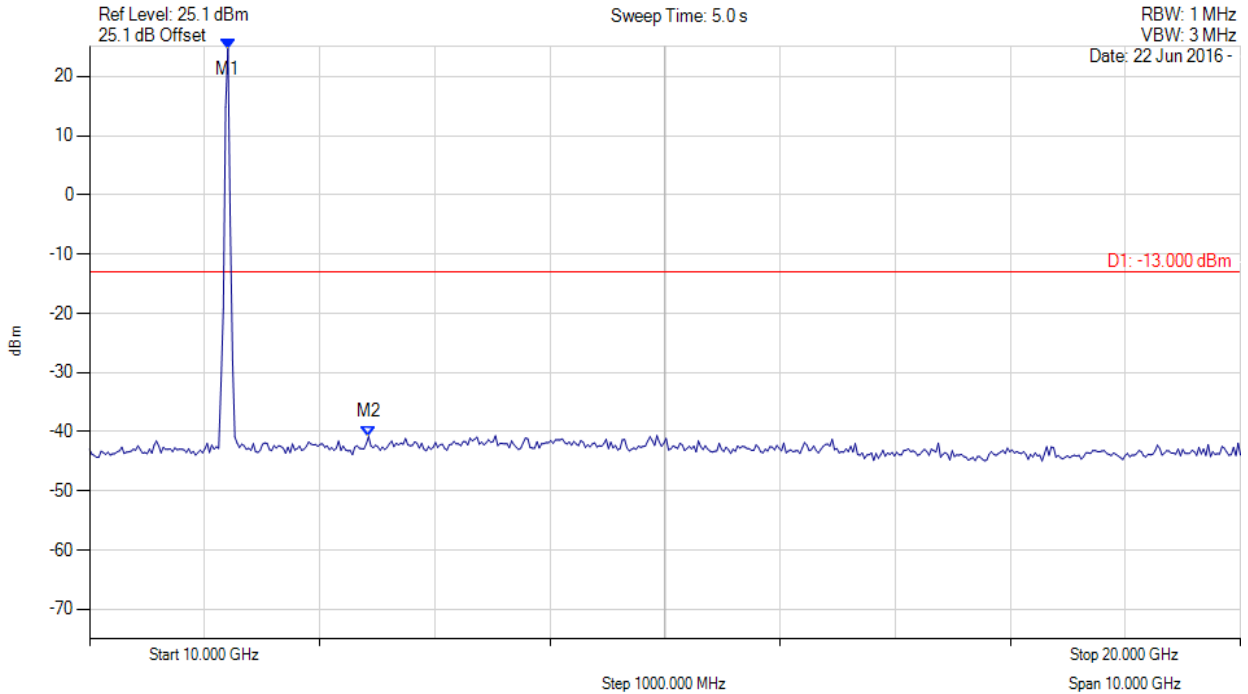
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9549.098 MHz : -37.594 dBm	Channel Frequency: 11.70 GHz



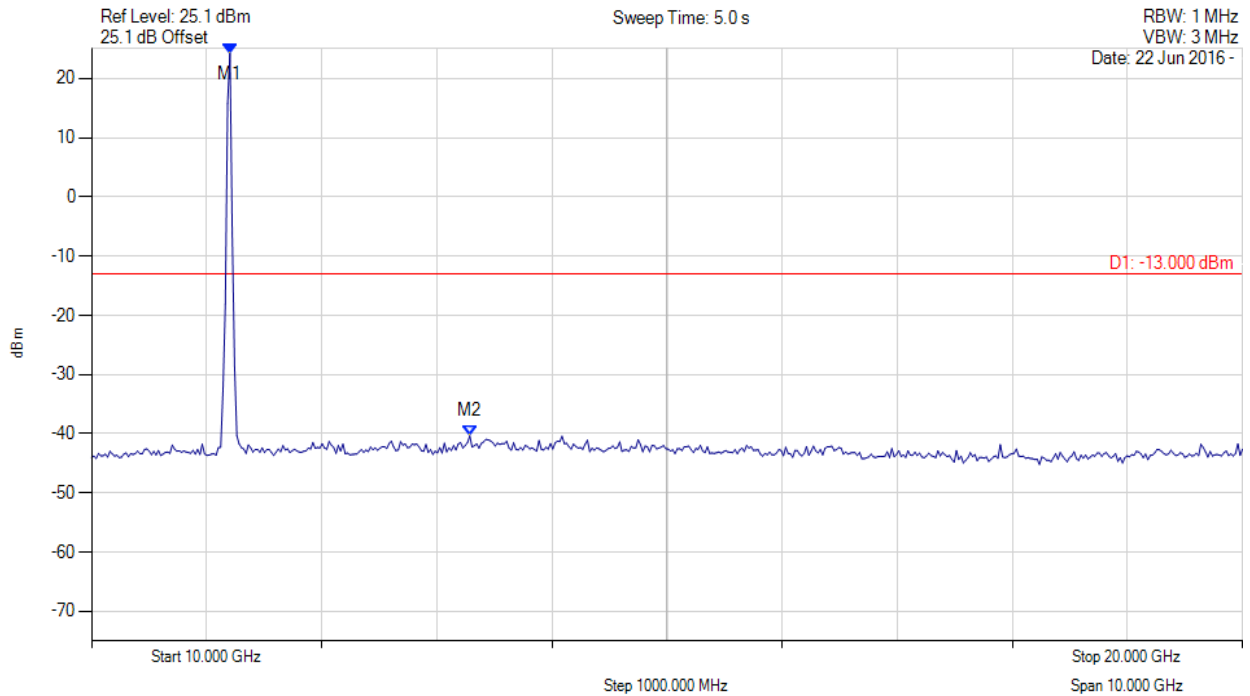
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 10.701 GHz : 24.280 dBm M2 : 13.287 GHz : -40.777 dBm	Channel Frequency: 10.71 GHz



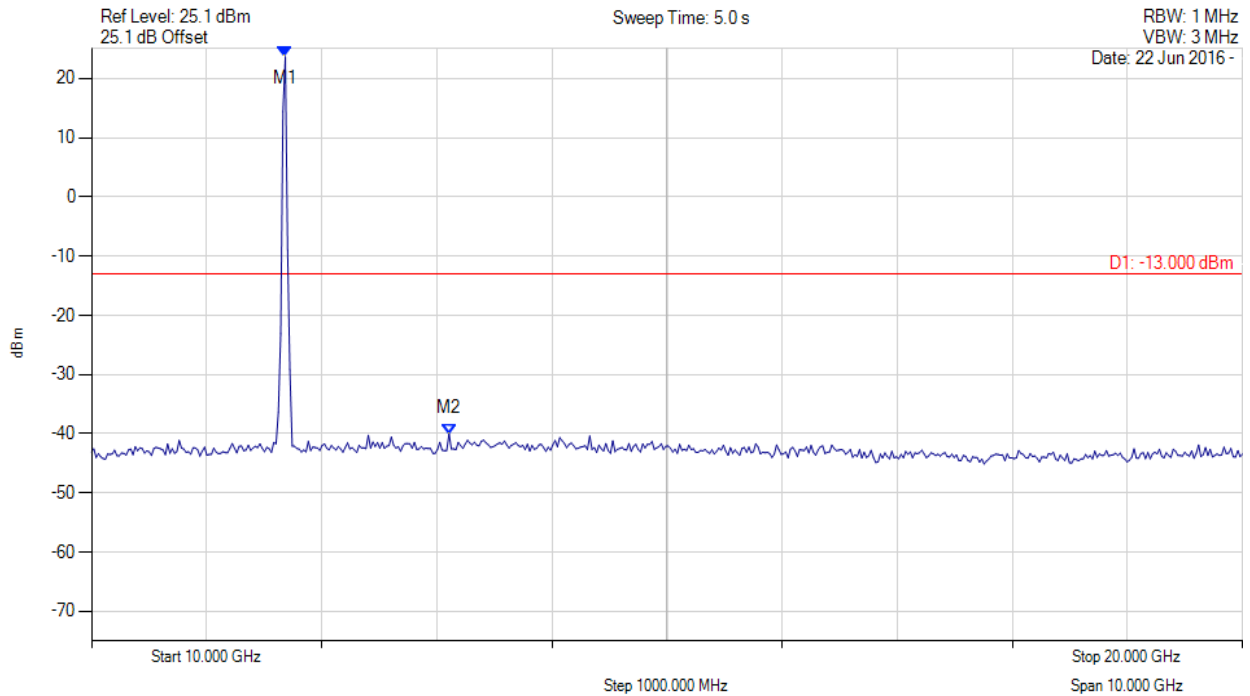
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 10.701 GHz : 23.532 dBm M2 : 13.487 GHz : -40.838 dBm	Channel Frequency: 10.71 GHz



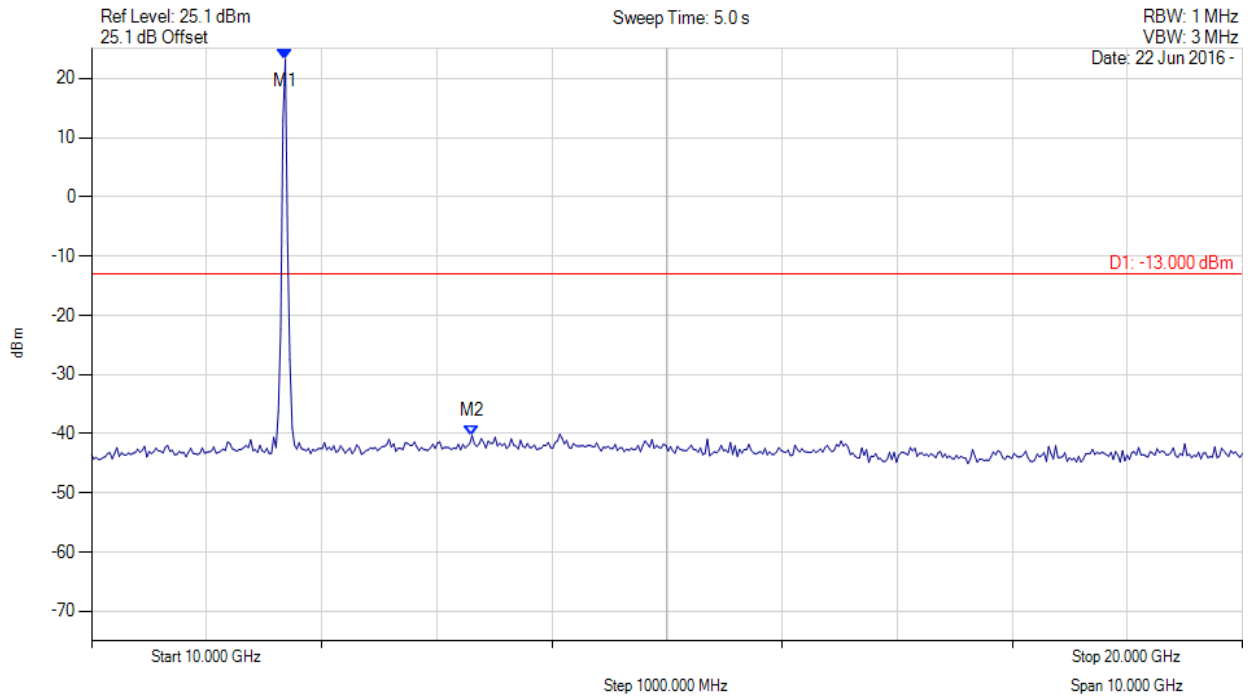
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.202 GHz : 24.710 dBm M2 : 12.425 GHz : -40.795 dBm	Channel Frequency: 11.21 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.202 GHz : 24.260 dBm M2 : 13.287 GHz : -40.350 dBm	Channel Frequency: 11.21 GHz



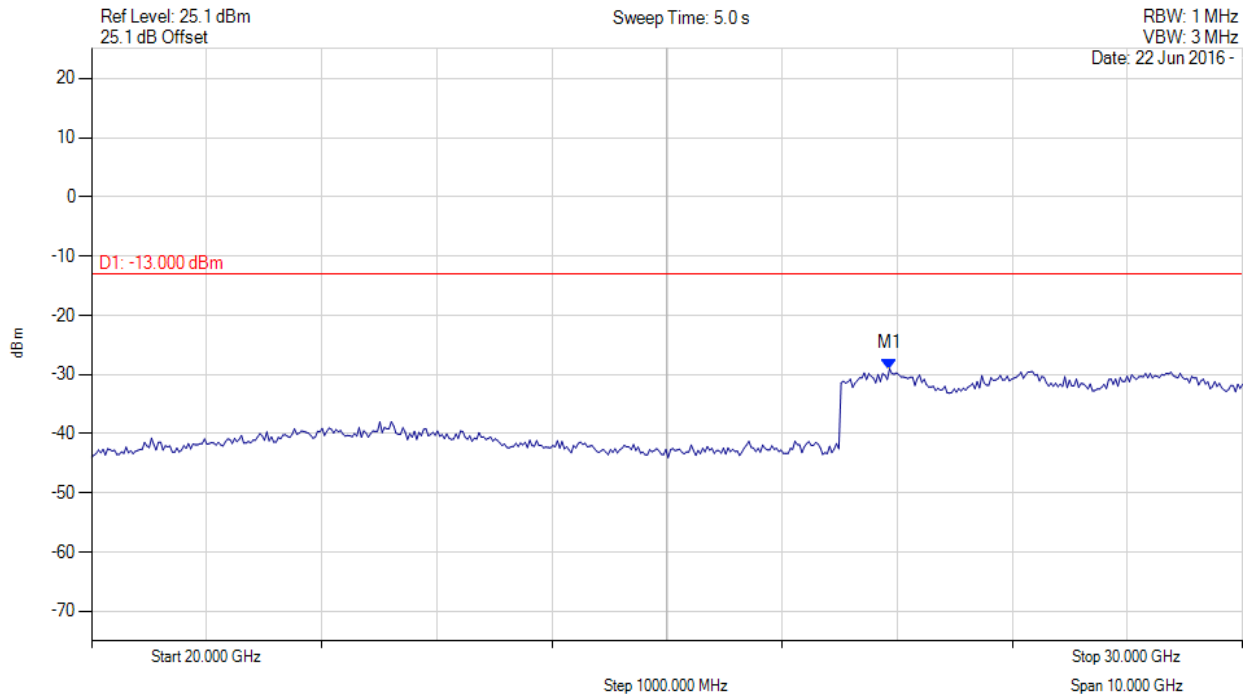
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.683 GHz : 23.658 dBm M2 : 13.106 GHz : -40.010 dBm	Channel Frequency: 11.70 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.683 GHz : 23.235 dBm M2 : 13.307 GHz : -40.289 dBm	Channel Frequency: 11.70 GHz

Unwanted Emissions 20000-30000 MHz

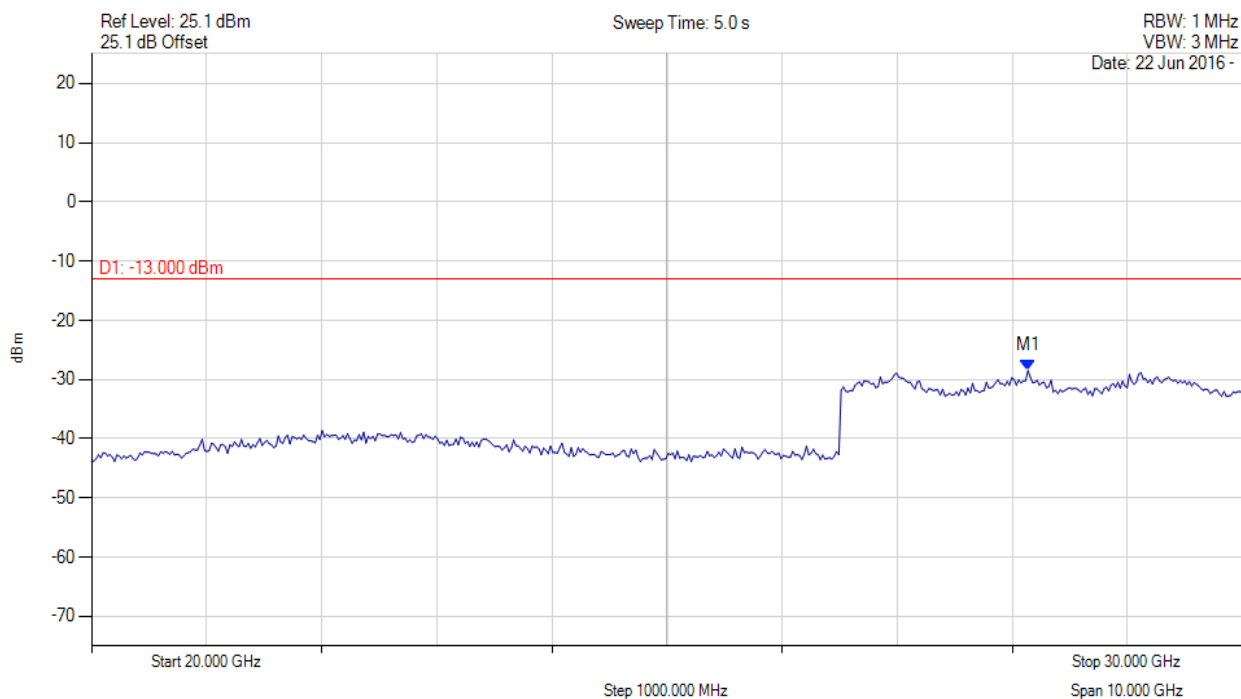
Variant: 10MHz QPSK, Channel: 10.71 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



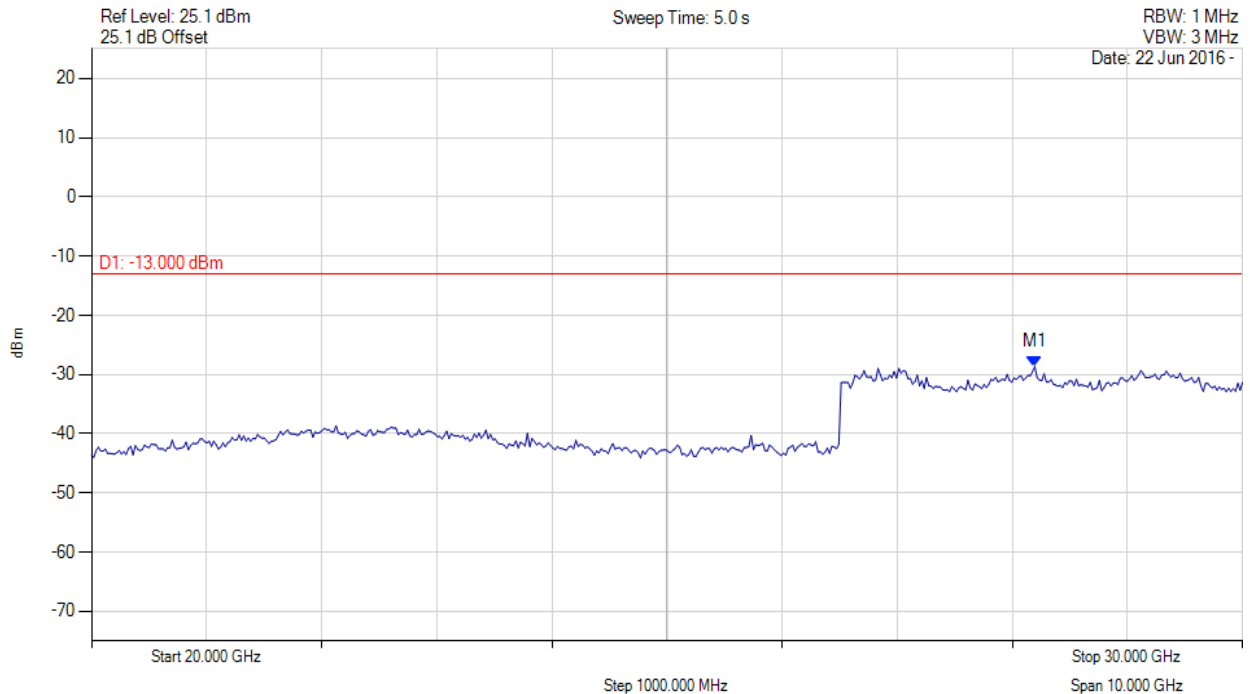
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.934 GHz : -29.026 dBm	Channel Frequency: 10.71 GHz

Unwanted Emissions 20000-30000 MHz

Variant: 10MHz QPSK, Channel: 10.71 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



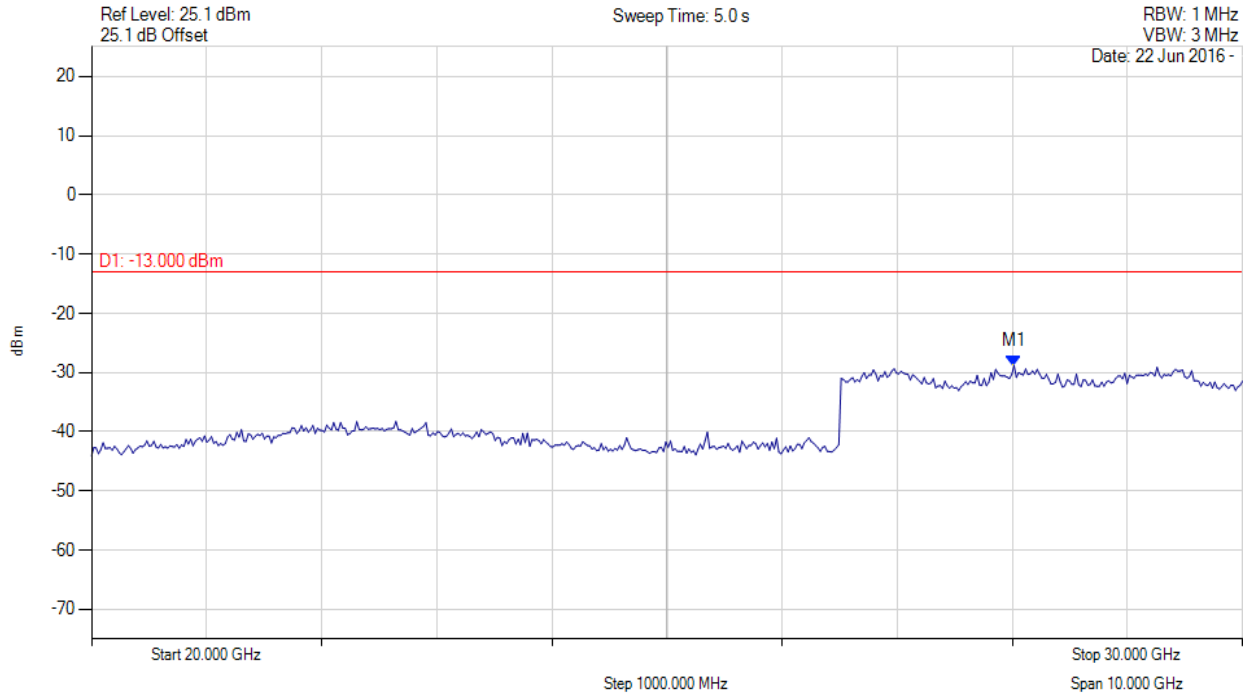
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 28.136 GHz : -28.491 dBm	Channel Frequency: 10.71 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 28.196 GHz : -28.654 dBm	Channel Frequency: 11.21 GHz

Unwanted Emissions 20000-30000 MHz

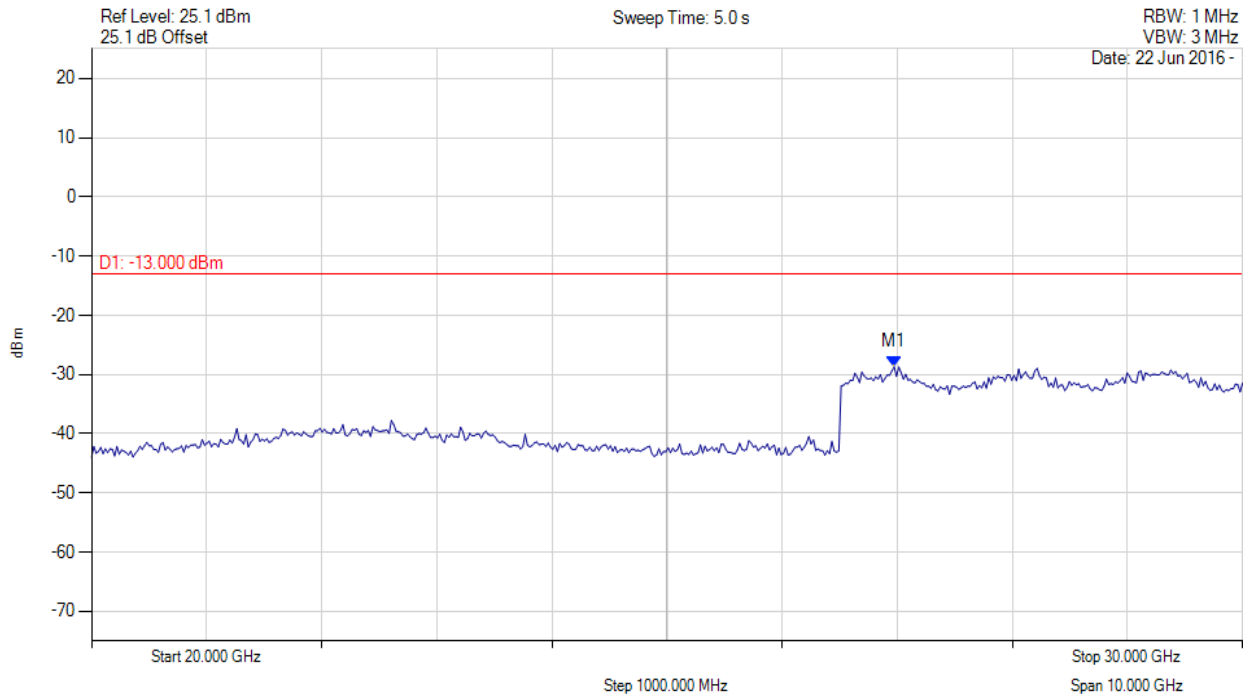
Variant: 10MHz QPSK, Channel: 11.21 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 28.016 GHz : -28.847 dBm	Channel Frequency: 11.21 GHz

Unwanted Emissions 20000-30000 MHz

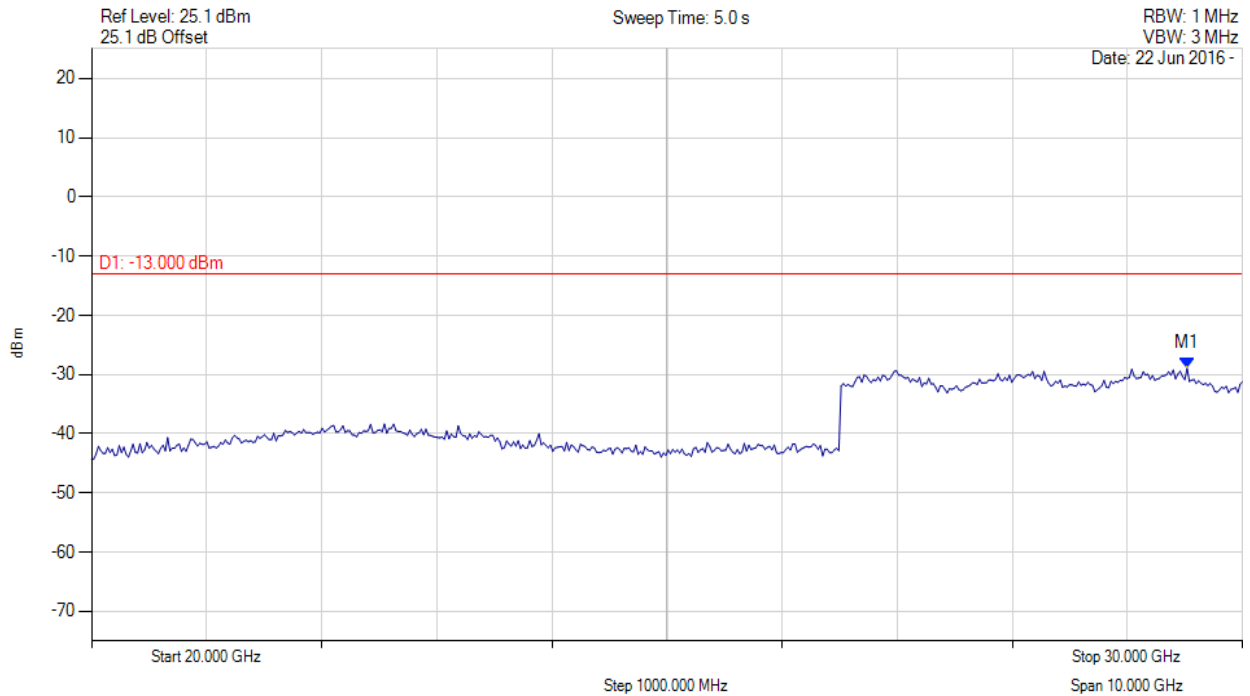
Variant: 10MHz QPSK, Channel: 11.70 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.974 GHz : -28.682 dBm	Channel Frequency: 11.70 GHz

Unwanted Emissions 20000-30000 MHz

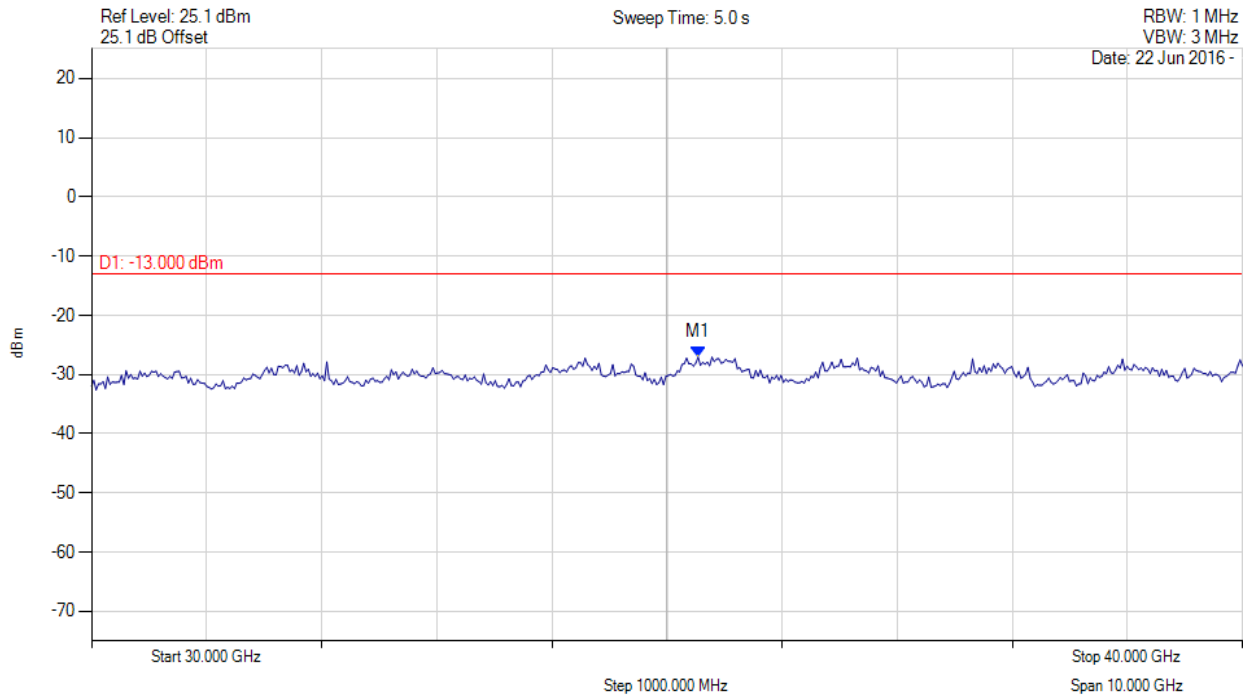
Variant: 10MHz QPSK, Channel: 11.70 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 29.519 GHz : -28.947 dBm	Channel Frequency: 11.70 GHz

Unwanted Emissions 30000-40000 MHz

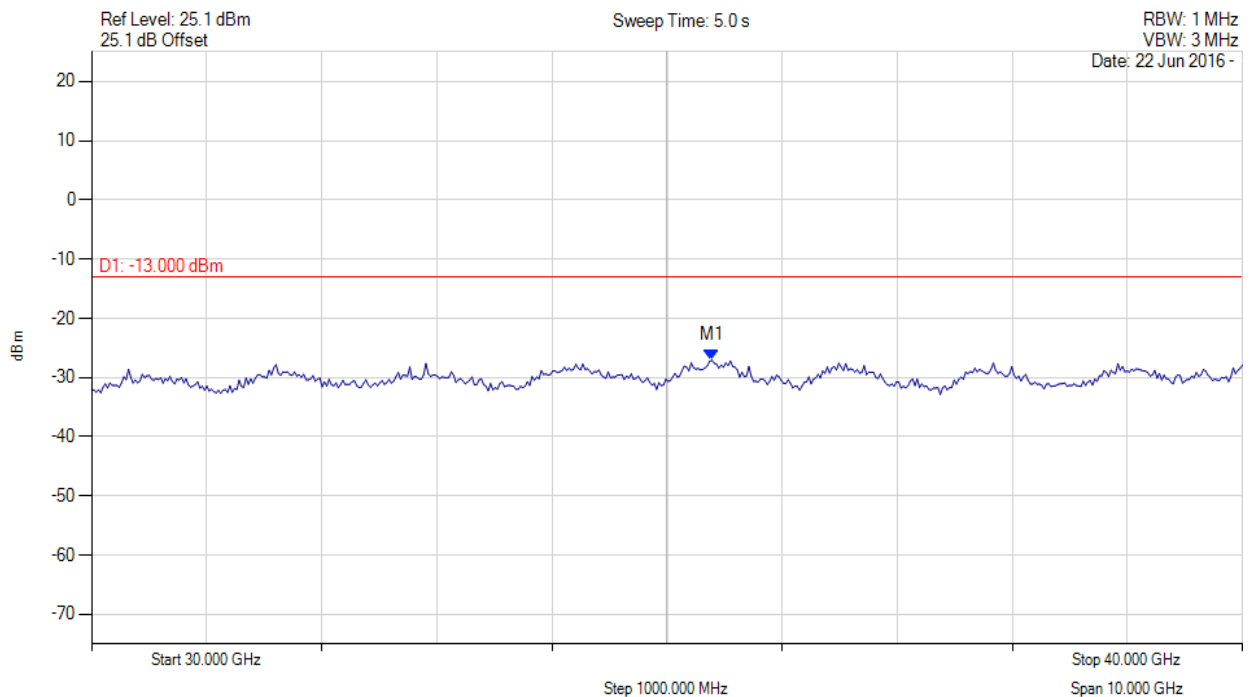
Variant: 10MHz QPSK, Channel: 10.71 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.271 GHz : -27.047 dBm	Channel Frequency: 10.71 GHz

Unwanted Emissions 30000-40000 MHz

Variant: 10MHz QPSK, Channel: 10.71 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

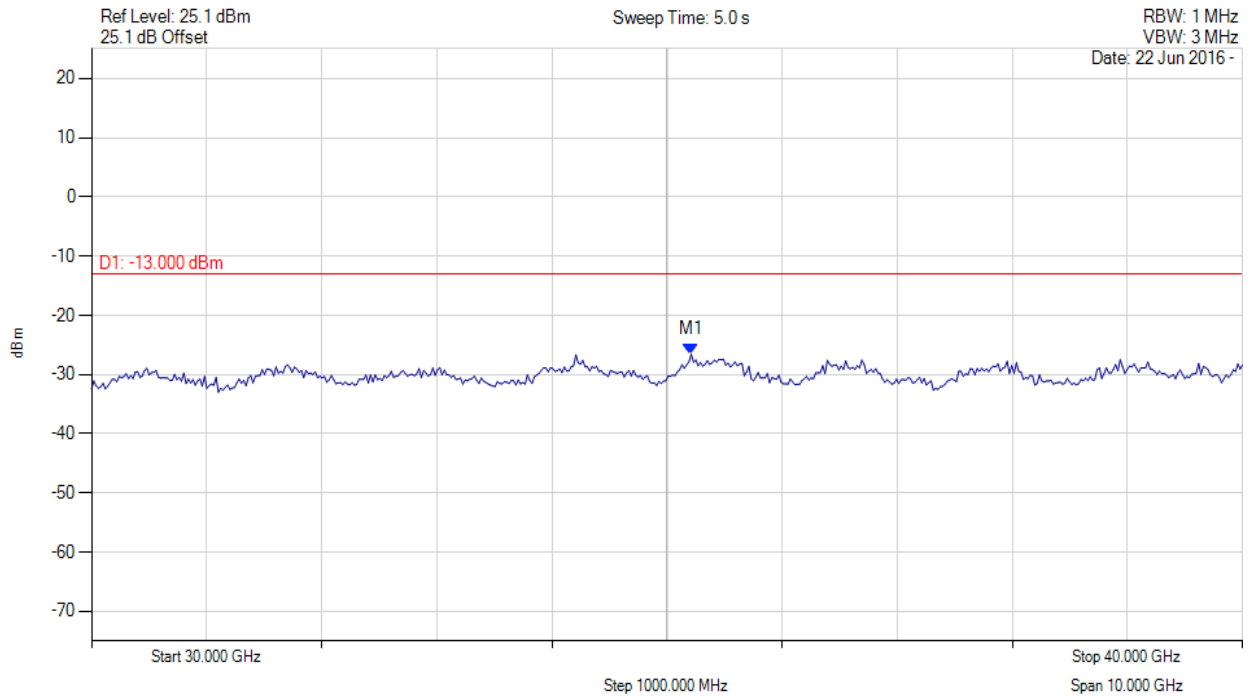


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.391 GHz : -27.064 dBm	Channel Frequency: 10.71 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30000-40000 MHz

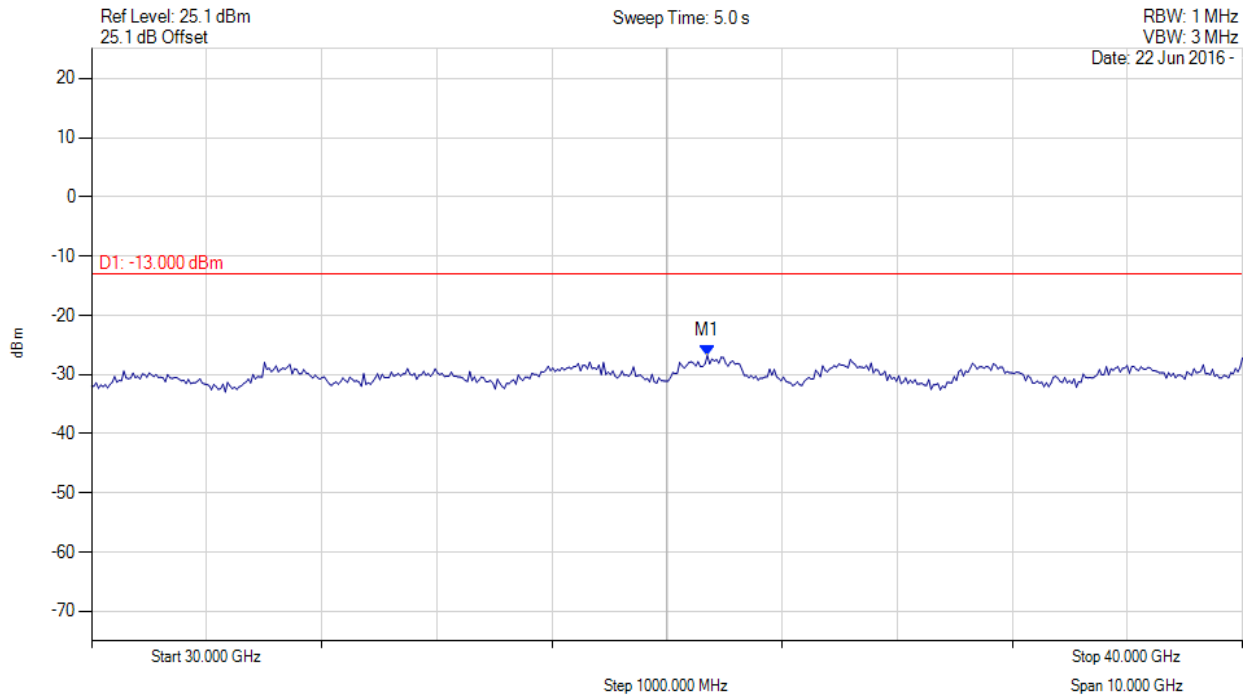
Variant: 10MHz QPSK, Channel: 11.21 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.210 GHz : -26.584 dBm	Channel Frequency: 11.21 GHz

Unwanted Emissions 30000-40000 MHz

Variant: 10MHz QPSK, Channel: 11.21 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

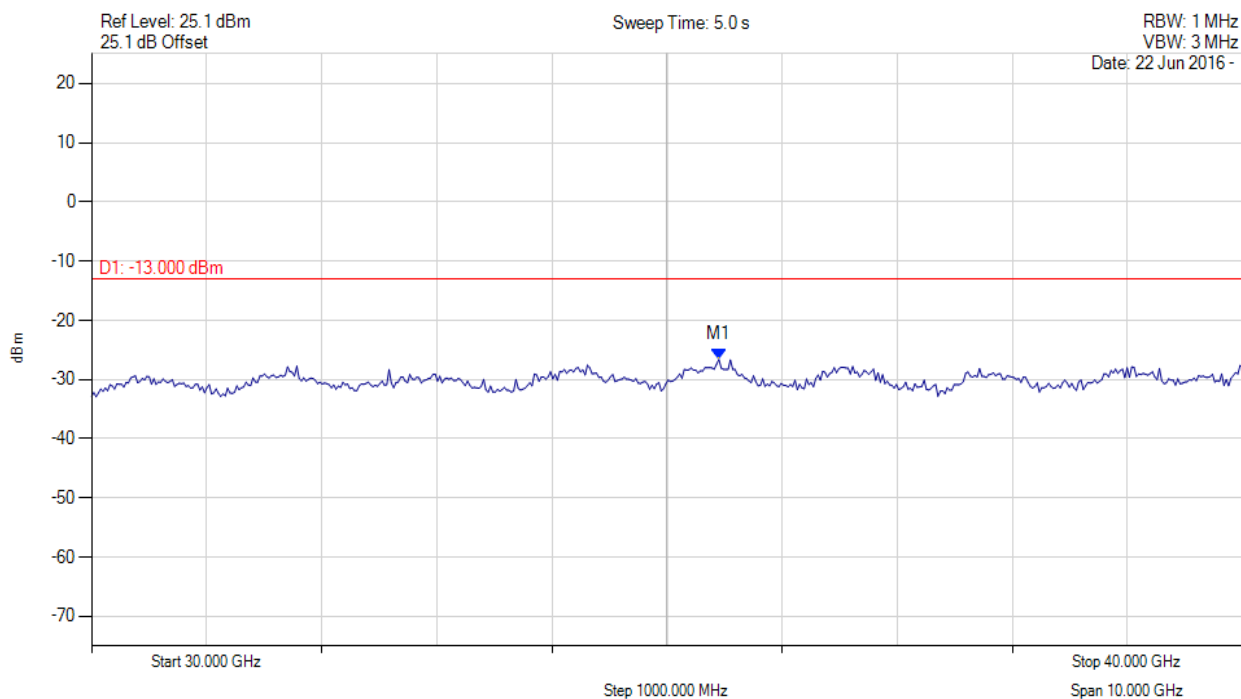


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.351 GHz : -26.771 dBm	Channel Frequency: 11.21 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30000-40000 MHz

Variant: 10MHz QPSK, Channel: 11.70 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

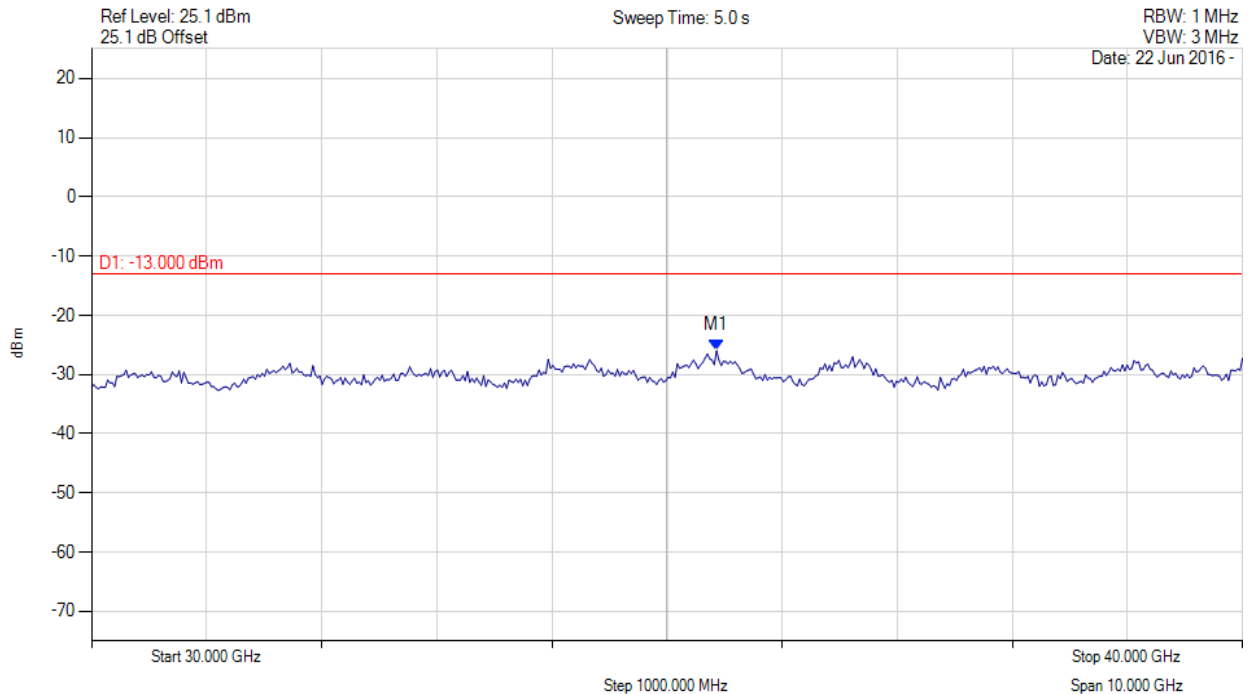


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.451 GHz : -26.594 dBm	Channel Frequency: 11.70 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30000-40000 MHz

Variant: 10MHz QPSK, Channel: 11.70 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.431 GHz : -25.973 dBm	Channel Frequency: 11.70 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

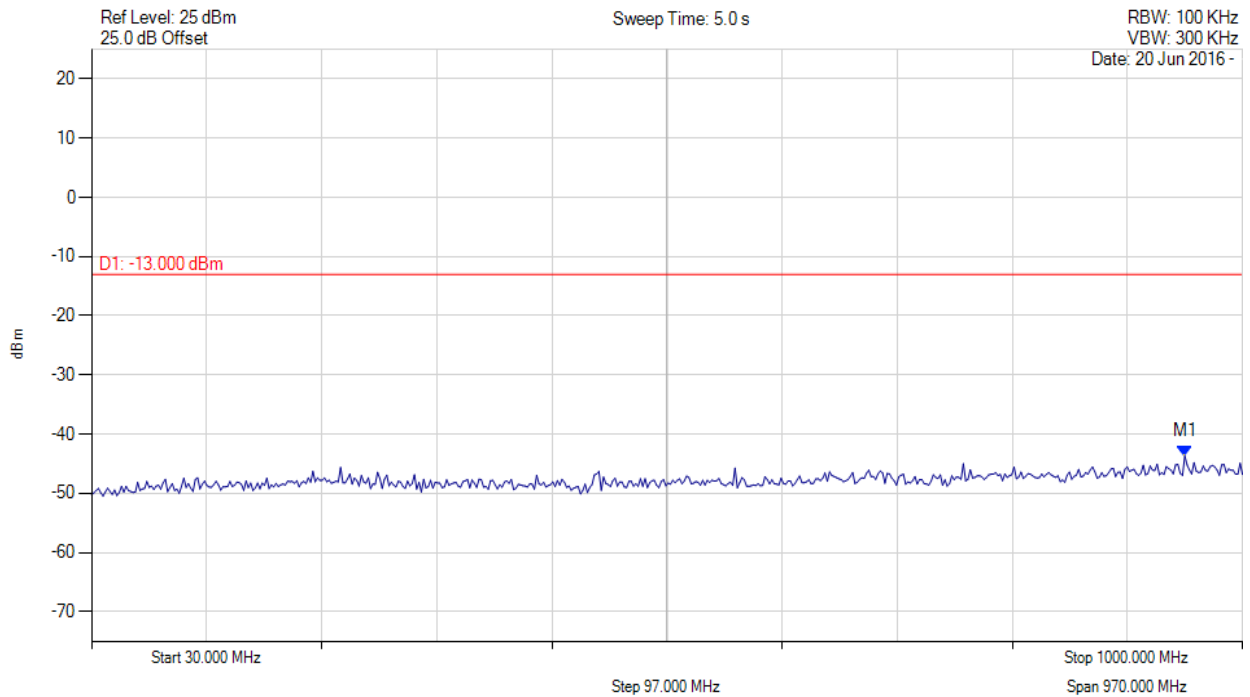


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 211 of 379



Unwanted Emissions 30-1000MHz

Variant: 30MHz QPSK, Channel: 10.72 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 951.403 MHz : -43.672 dBm	Channel Frequency: 10.72 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

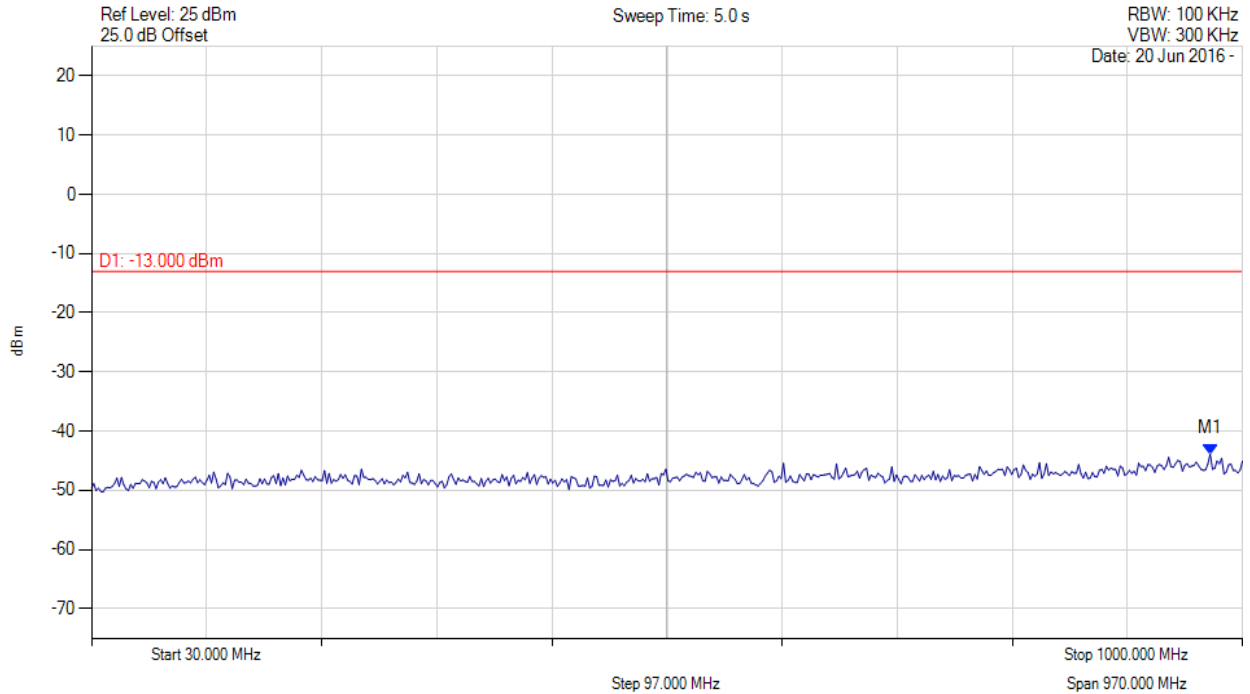


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 212 of 379



Unwanted Emissions 30-1000MHz

Variant: 30MHz QPSK, Channel: 10.72 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

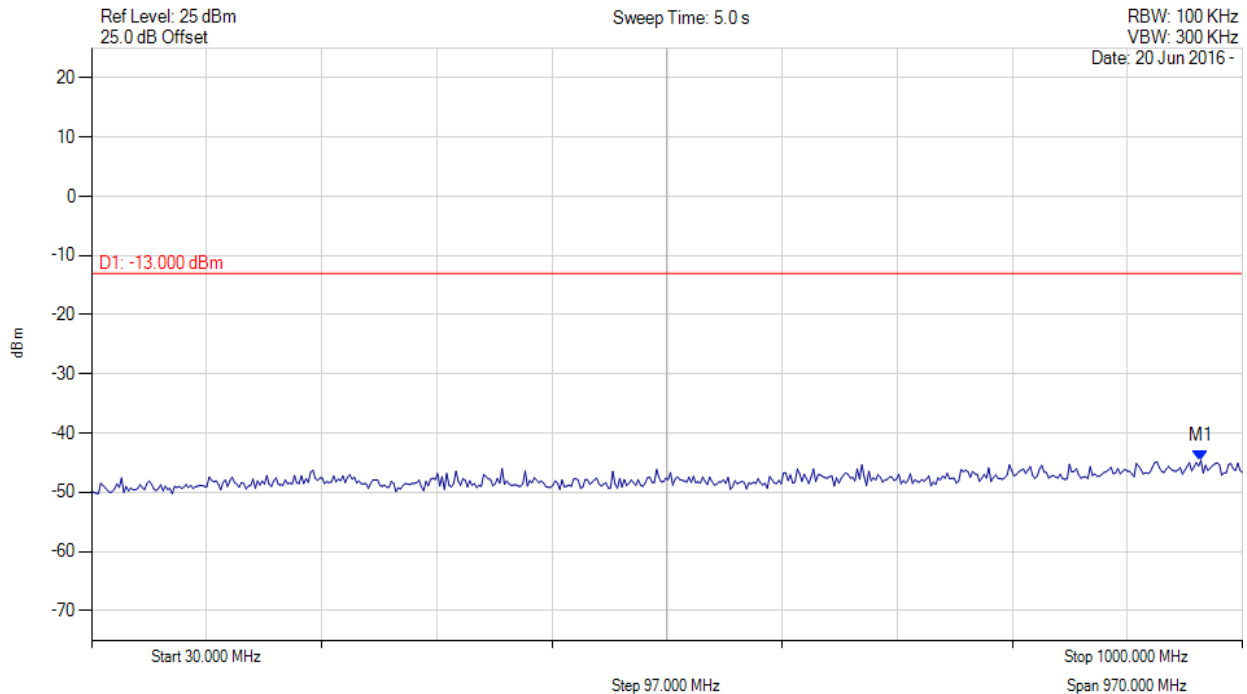


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 972.786 MHz : -43.867 dBm	Channel Frequency: 10.72 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 30MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 965.010 MHz : -44.591 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

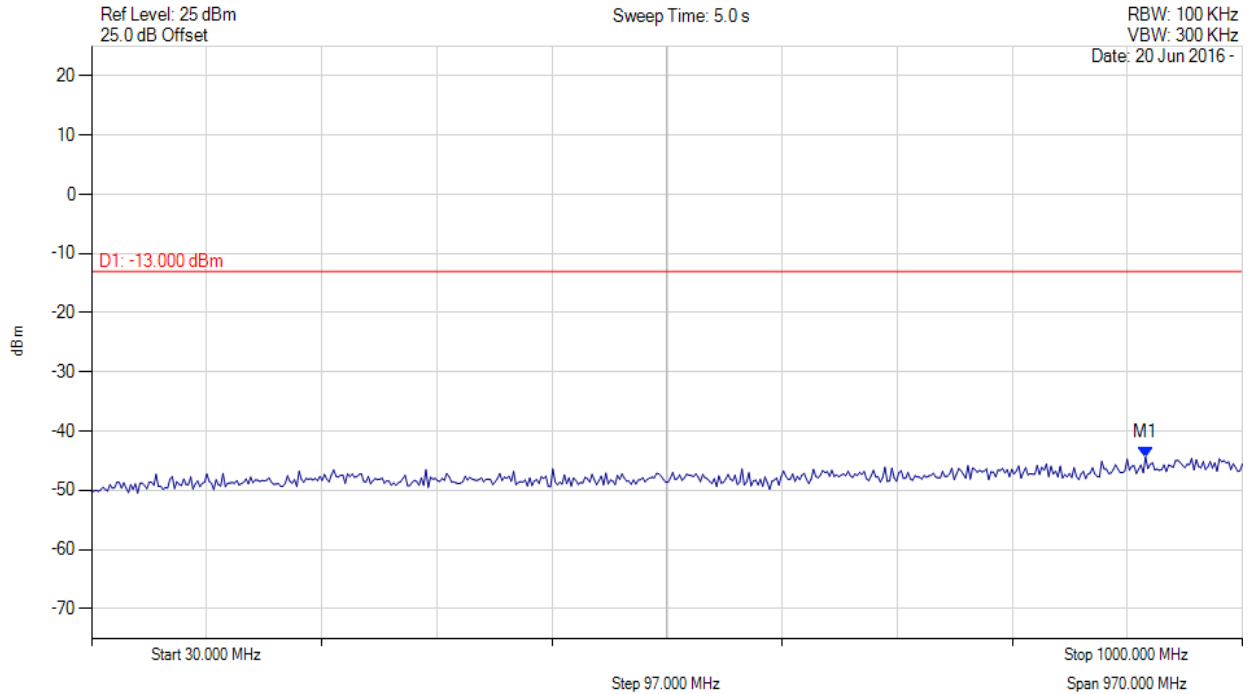


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 214 of 379



Unwanted Emissions 30-1000MHz

Variant: 30MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 918.357 MHz : -44.355 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

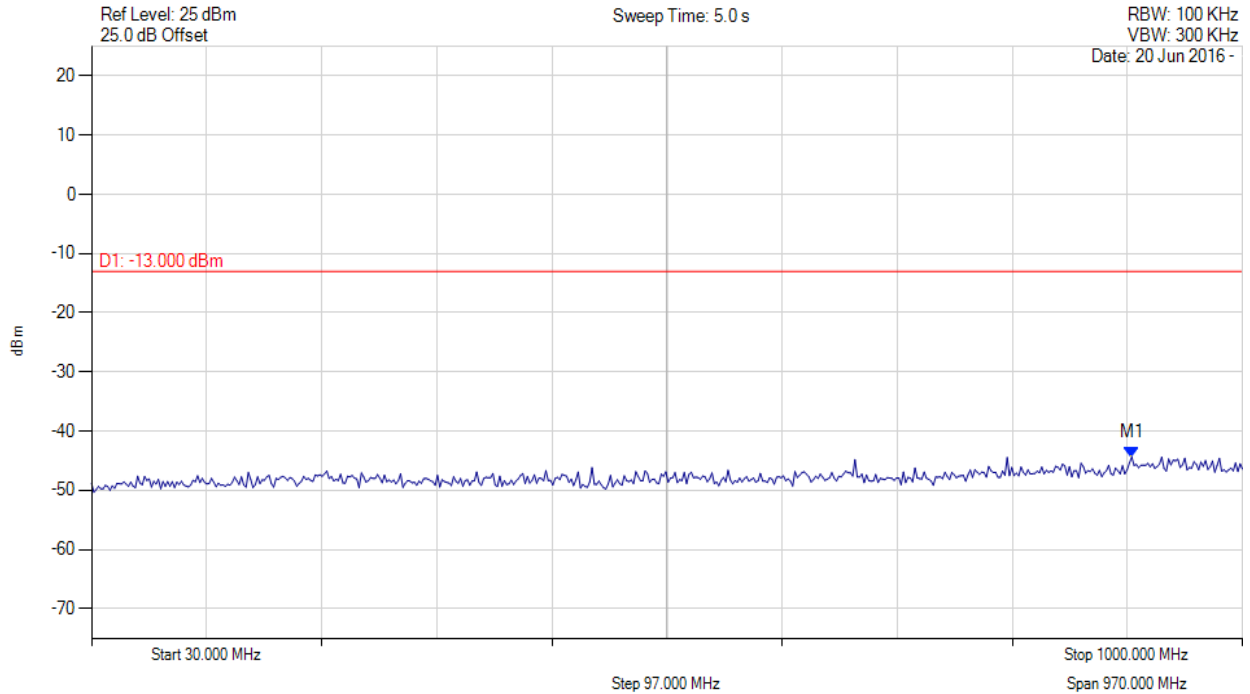


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 215 of 379



Unwanted Emissions 30-1000MHz

Variant: 30MHz QPSK, Channel: 11.69 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 906.693 MHz : -44.351 dBm	Channel Frequency: 11.69 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

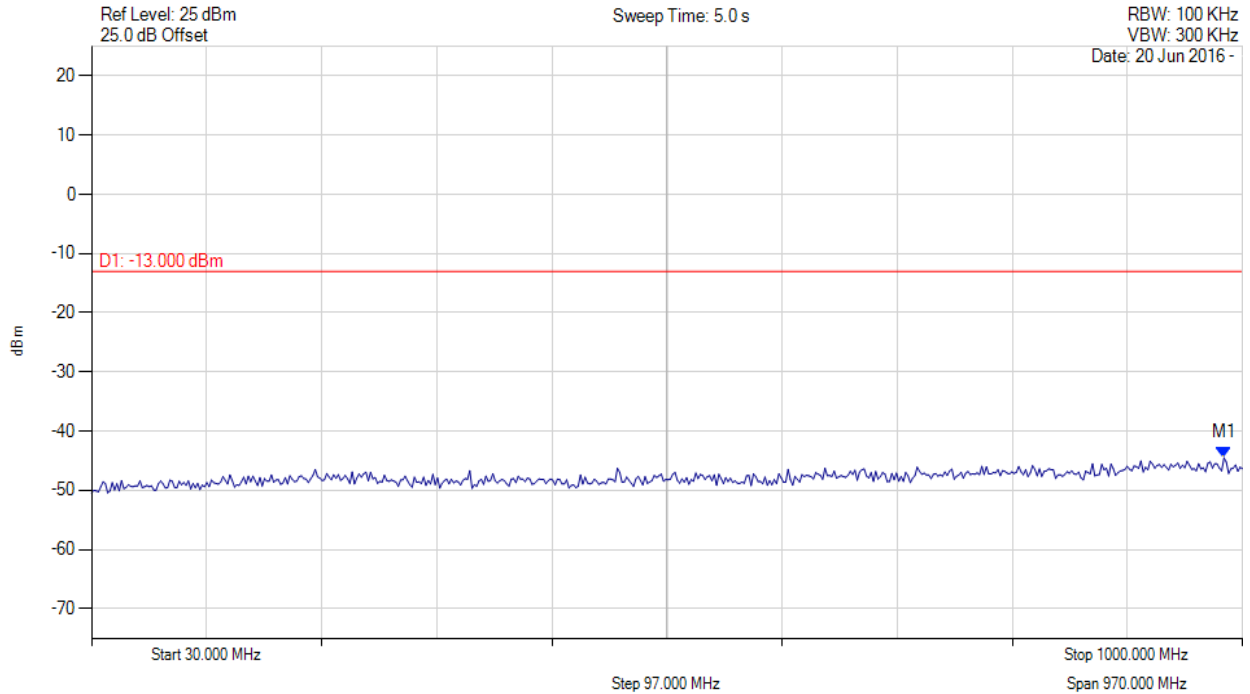


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 216 of 379



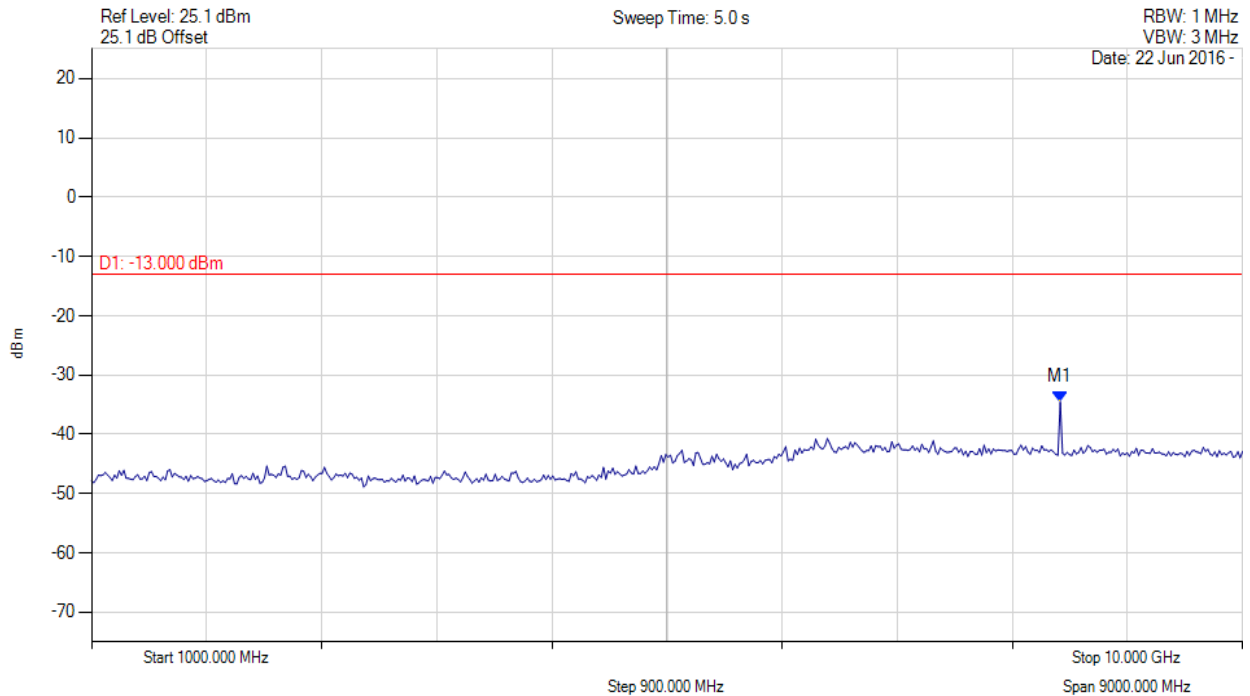
Unwanted Emissions 30-1000MHz

Variant: 30MHz QPSK, Channel: 11.69 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 984.449 MHz : -44.495 dBm	Channel Frequency: 11.69 GHz

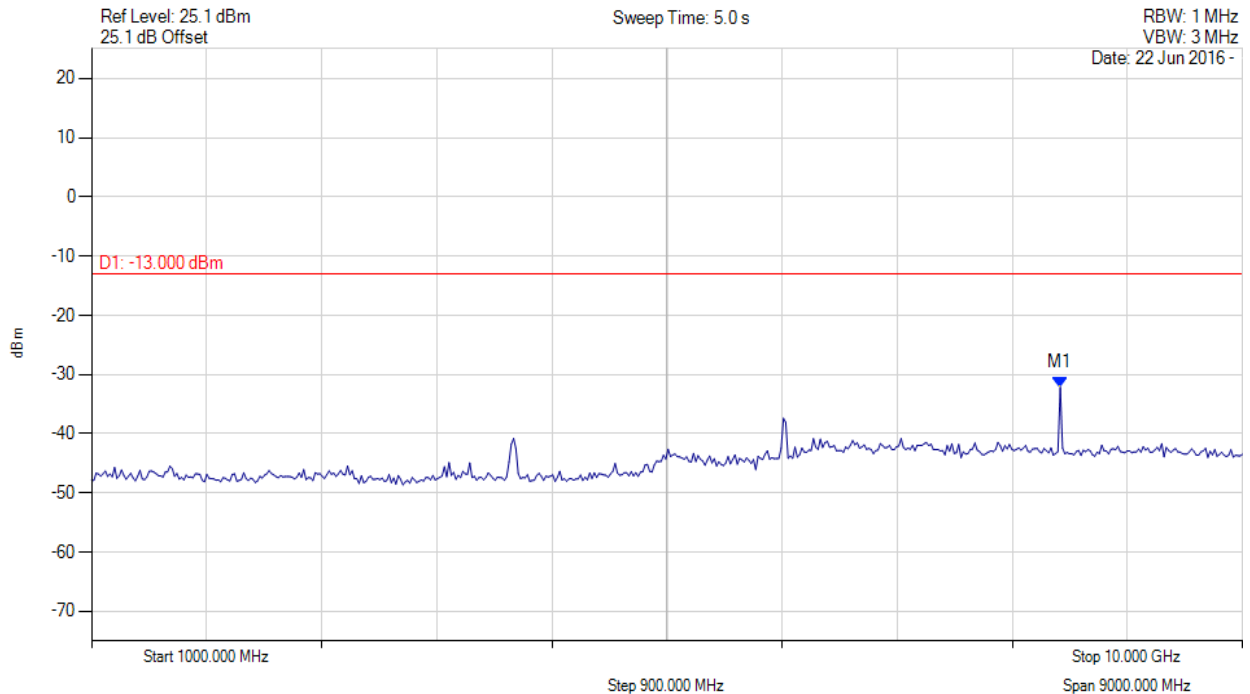
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8575.150 MHz : -34.523 dBm	Channel Frequency: 10.72 GHz

Unwanted Emissions 1000-10000 MHz

Variant: 30MHz QPSK, Channel: 10.72 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8575.150 MHz : -32.154 dBm	Channel Frequency: 10.72 GHz

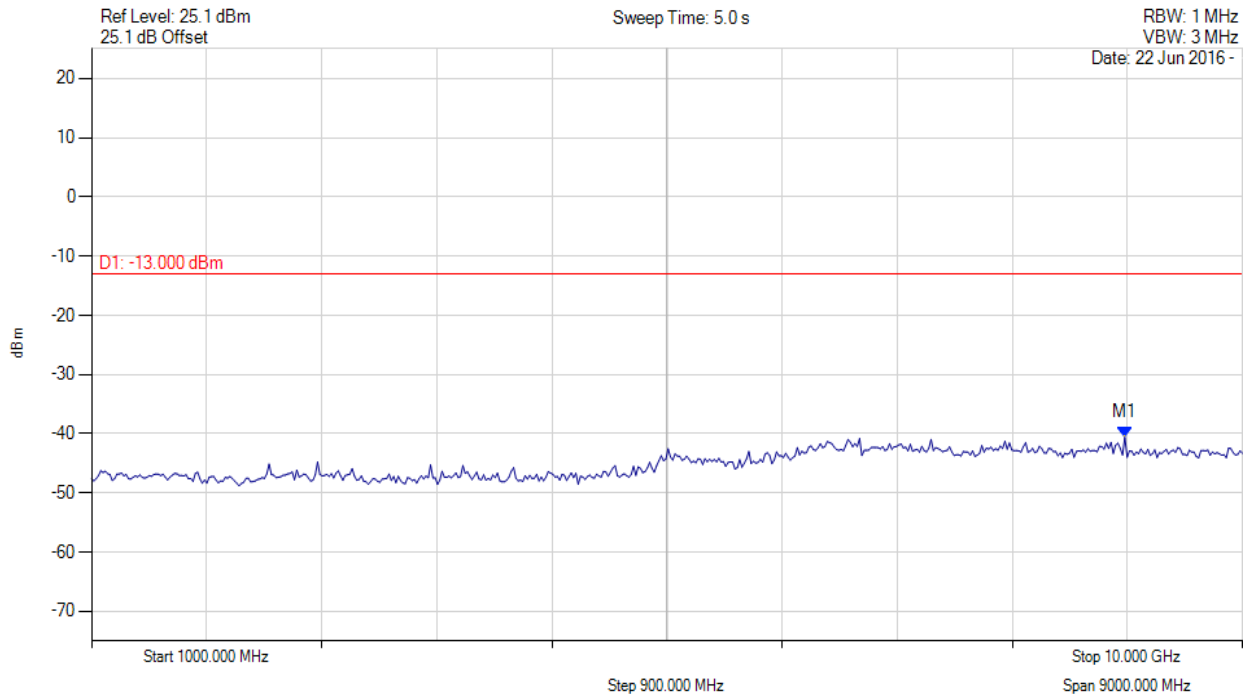


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 219 of 379



Unwanted Emissions 1000-10000 MHz

Variant: 30MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9080.160 MHz : -40.557 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

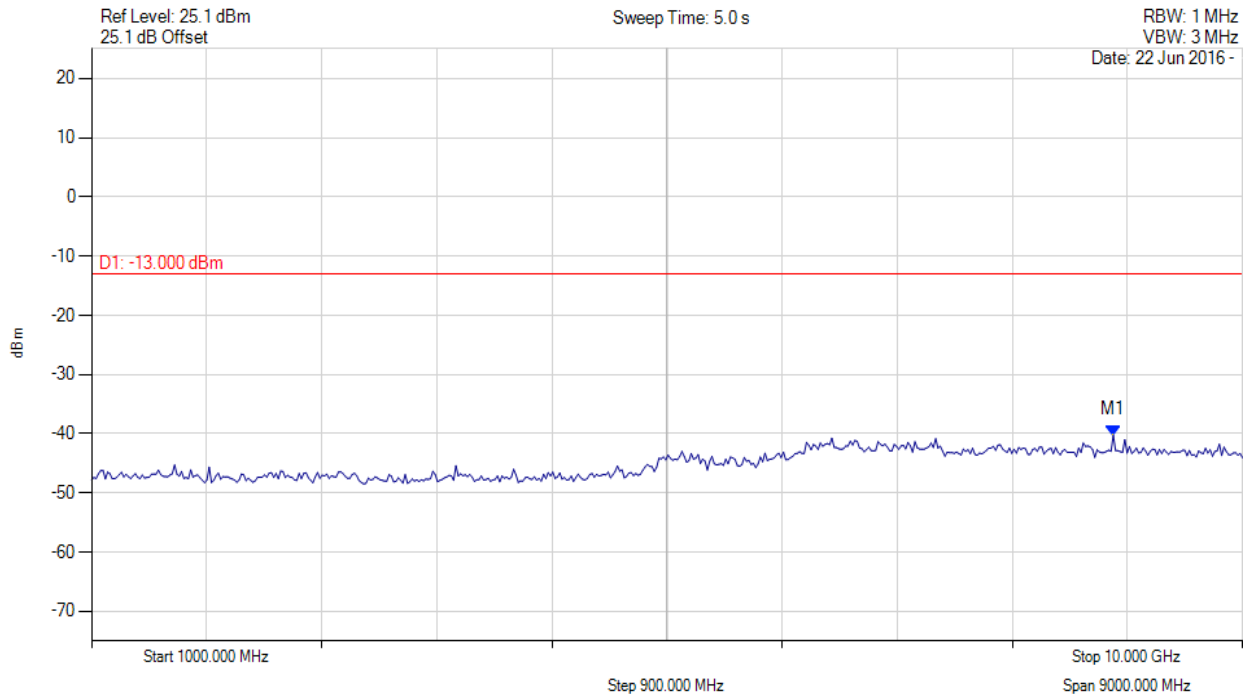


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 220 of 379



Unwanted Emissions 1000-10000 MHz

Variant: 30MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8989.980 MHz : -40.252 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

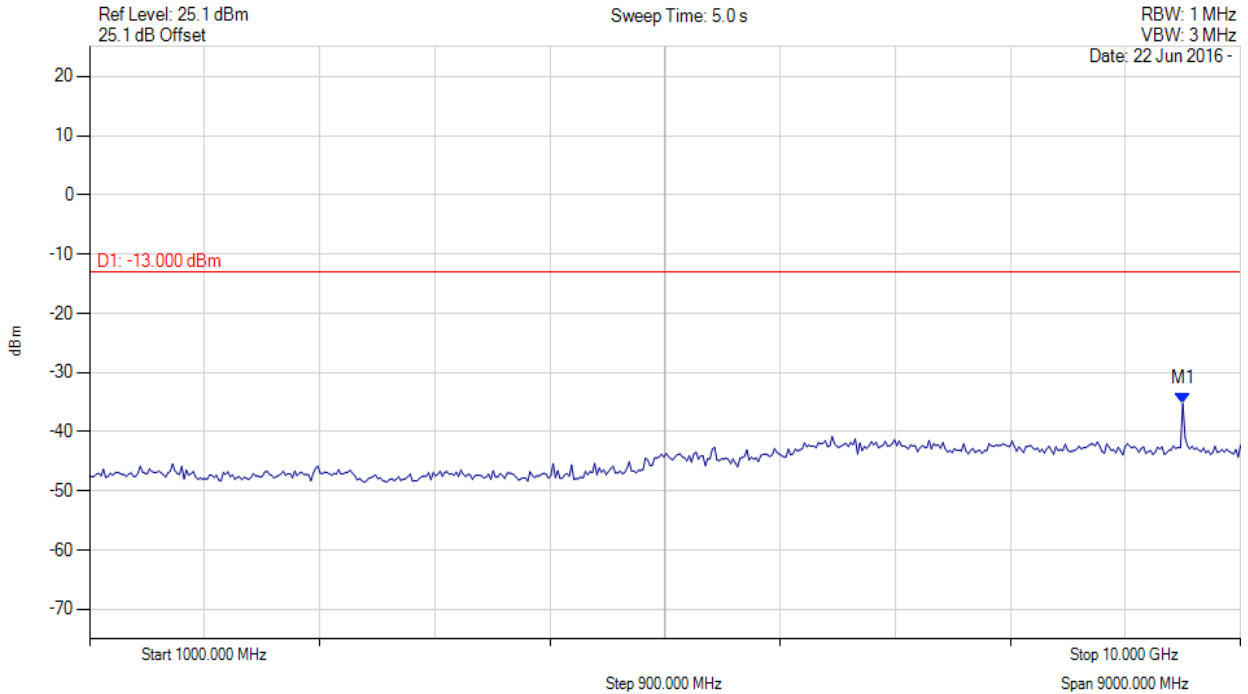


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 221 of 379



Unwanted Emissions 1000-10000 MHz

Variant: 30MHz QPSK, Channel: 11.69 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9549.098 MHz : -35.219 dBm	Channel Frequency: 11.69 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

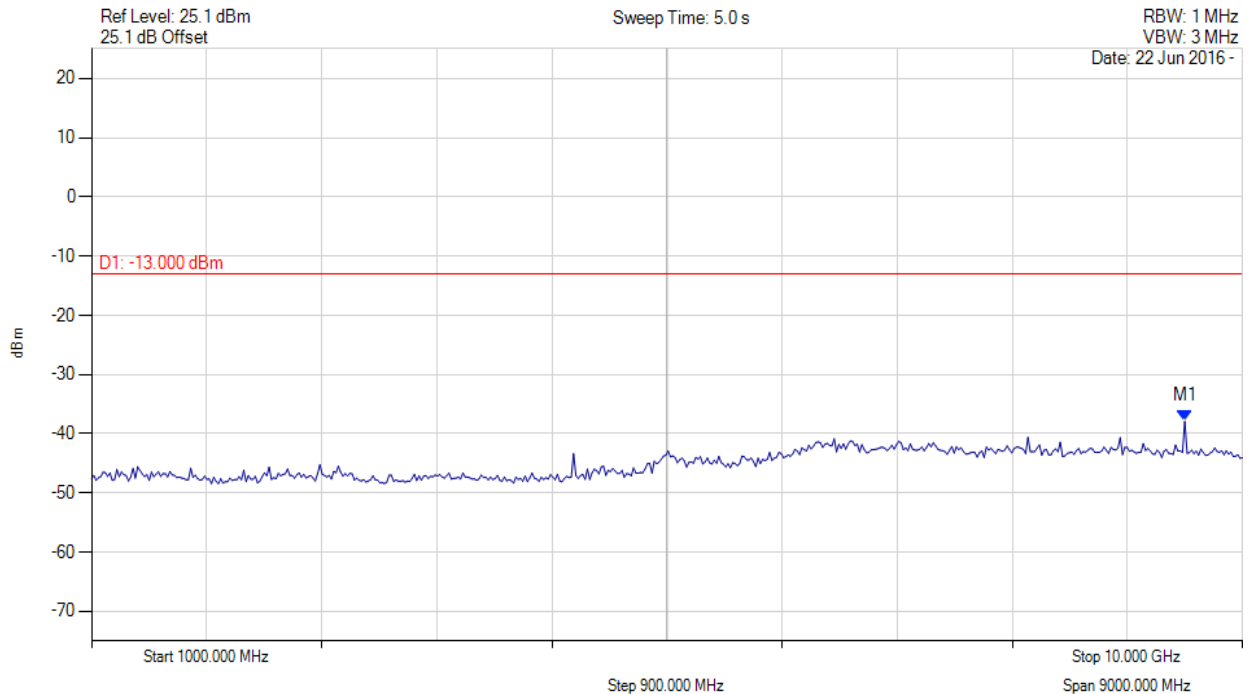


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 222 of 379



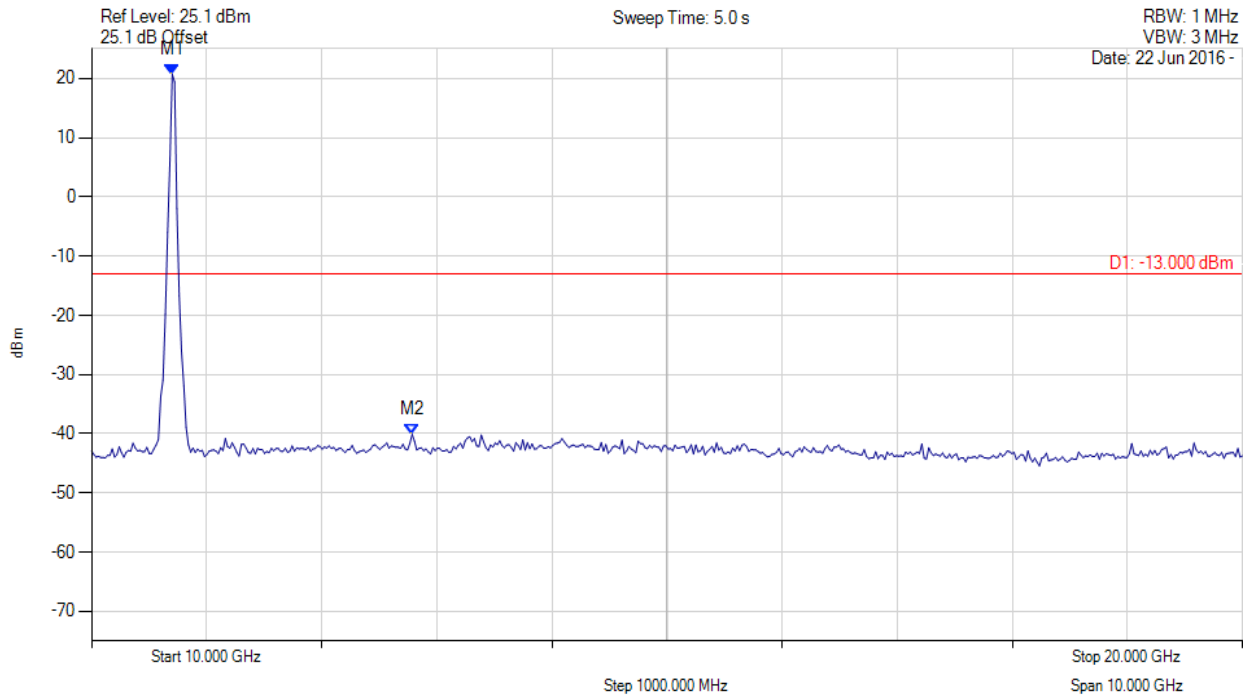
Unwanted Emissions 1000-10000 MHz

Variant: 30MHz QPSK, Channel: 11.69 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

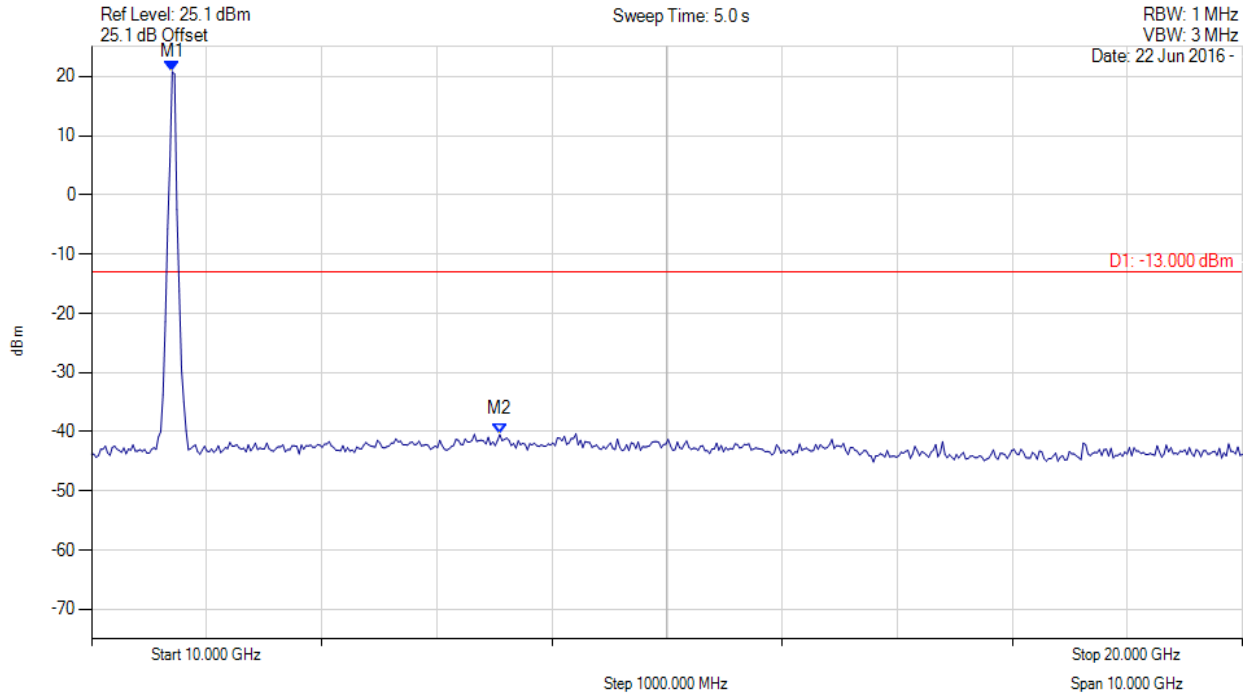


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9549.098 MHz : -37.873 dBm	Channel Frequency: 11.69 GHz

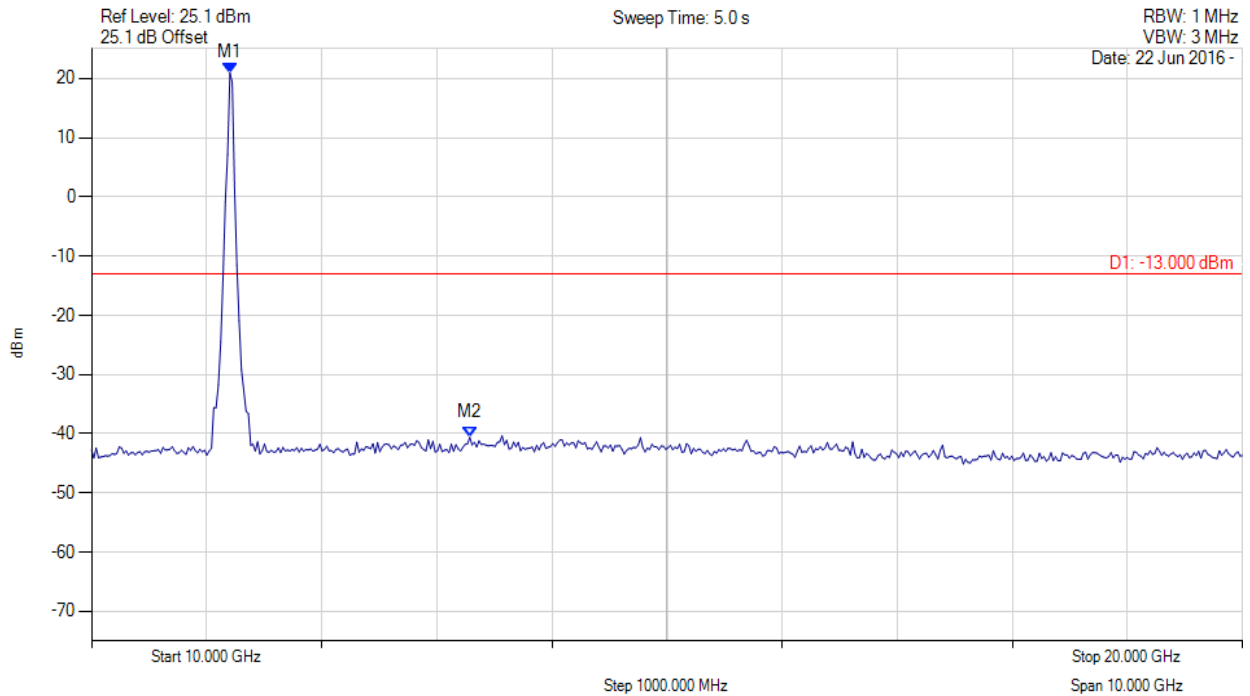
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



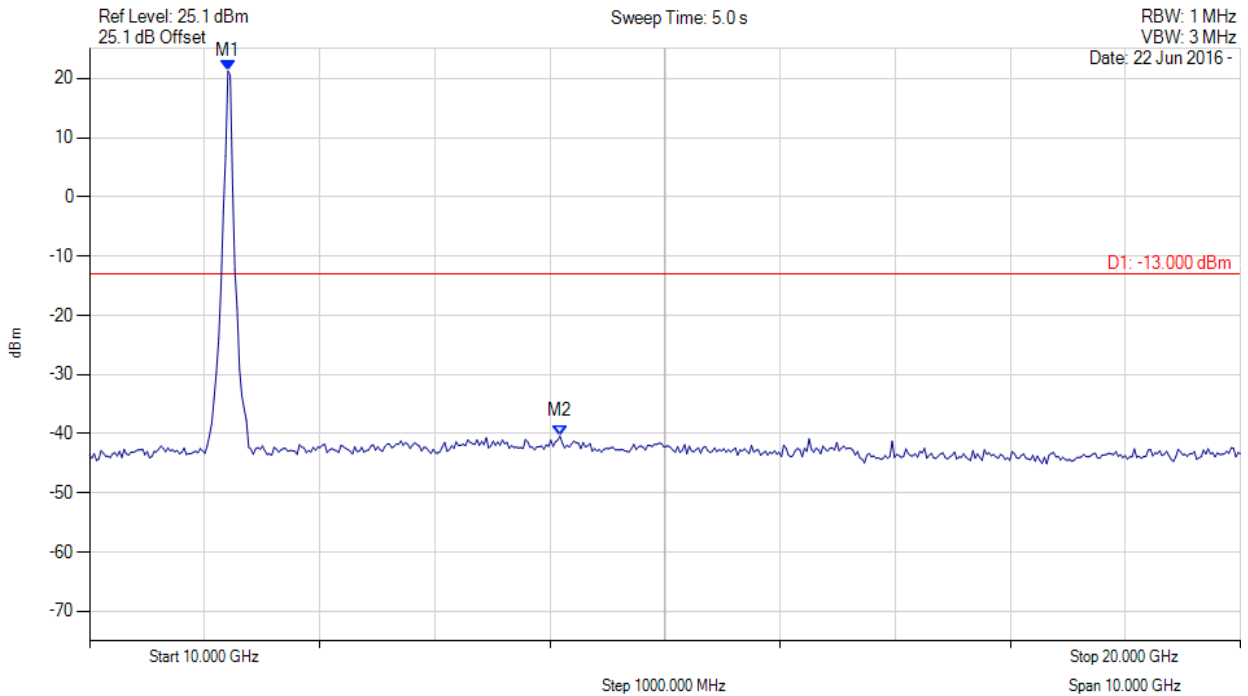
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 10.701 GHz : 20.709 dBm M2 : 12.786 GHz : -40.102 dBm	Channel Frequency: 10.72 GHz



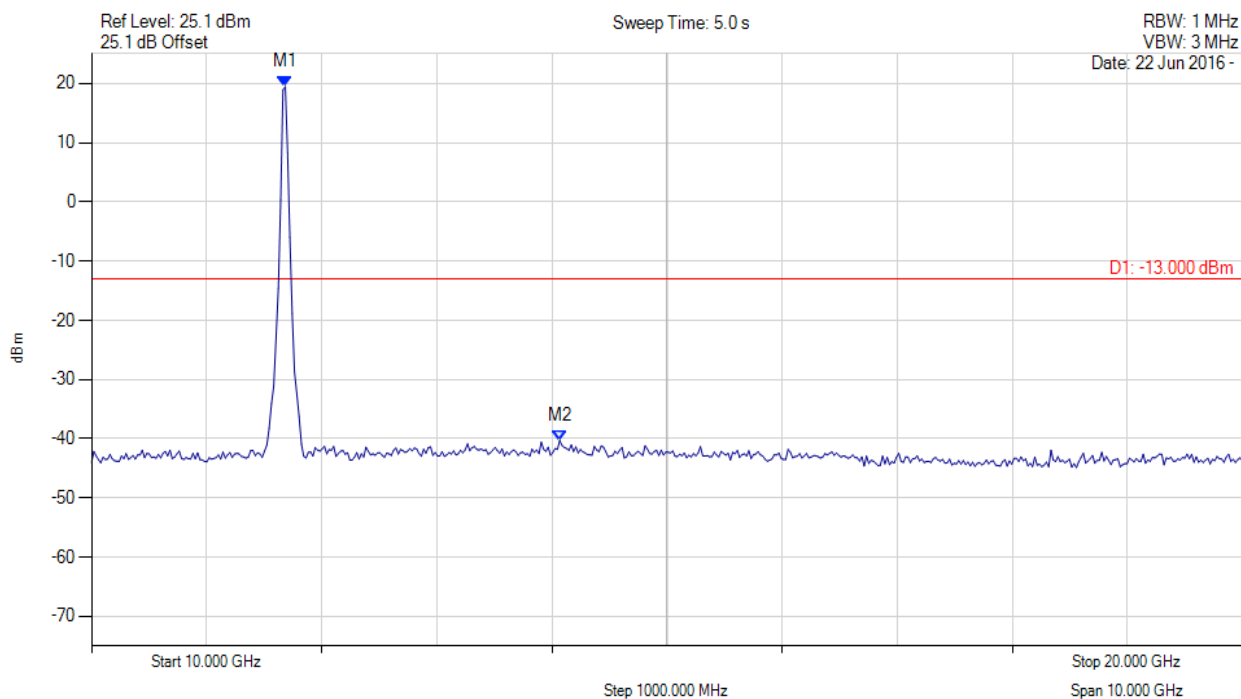
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 10.701 GHz : 20.815 dBm M2 : 13.547 GHz : -40.468 dBm	Channel Frequency: 10.72 GHz



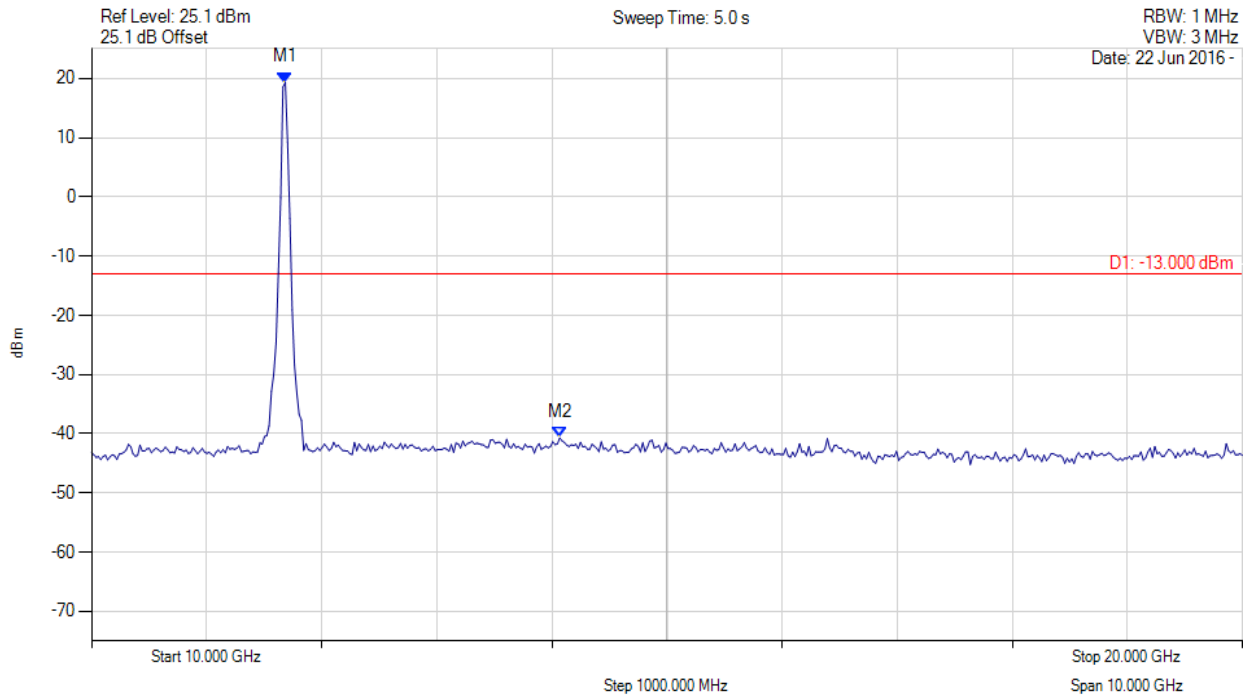
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.202 GHz : 20.927 dBm M2 : 13.287 GHz : -40.606 dBm	Channel Frequency: 11.22 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.202 GHz : 21.260 dBm M2 : 14.088 GHz : -40.405 dBm	Channel Frequency: 11.22 GHz



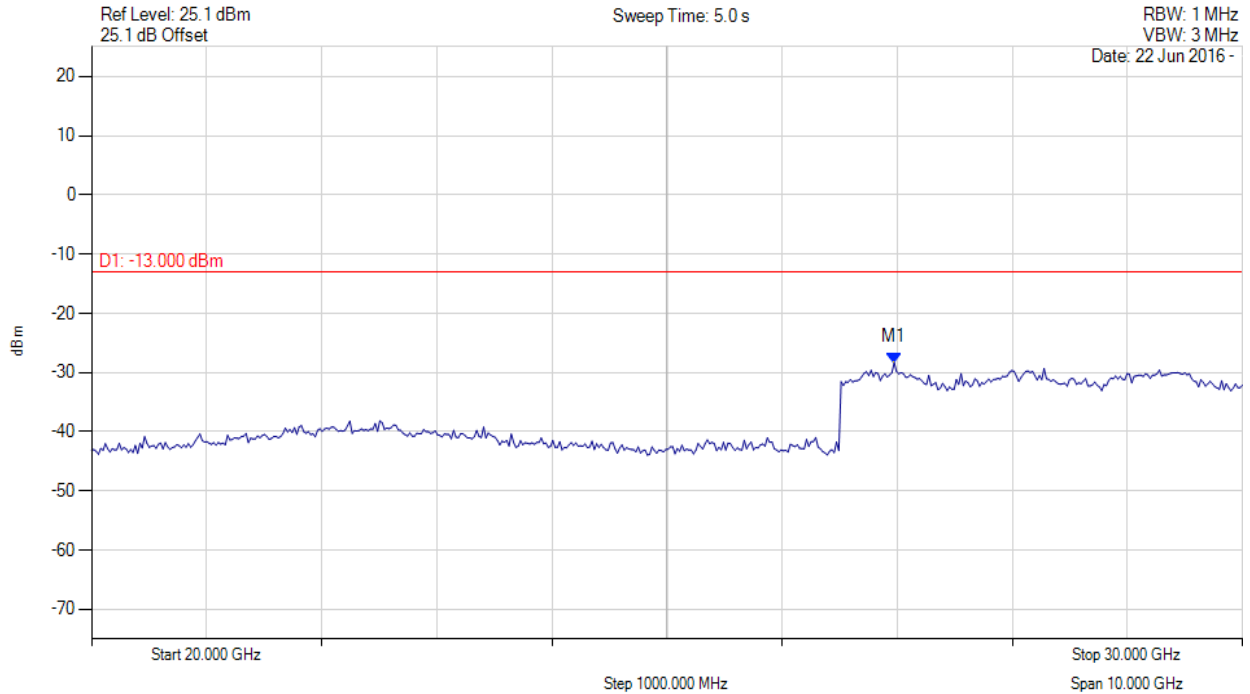
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.683 GHz : 19.454 dBm M2 : 14.068 GHz : -40.285 dBm	Channel Frequency: 11.69 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.683 GHz : 19.340 dBm M2 : 14.068 GHz : -40.696 dBm	Channel Frequency: 11.69 GHz

Unwanted Emissions 20000-30000 MHz

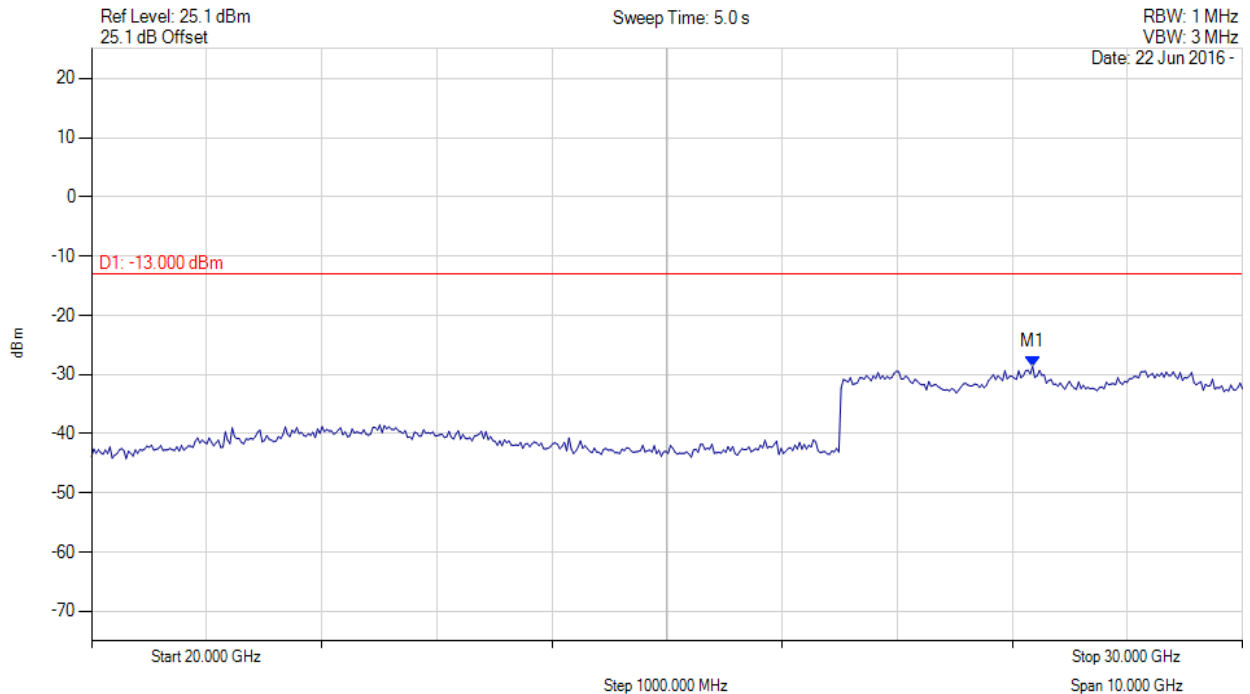
Variant: 30MHz QPSK, Channel: 10.72 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



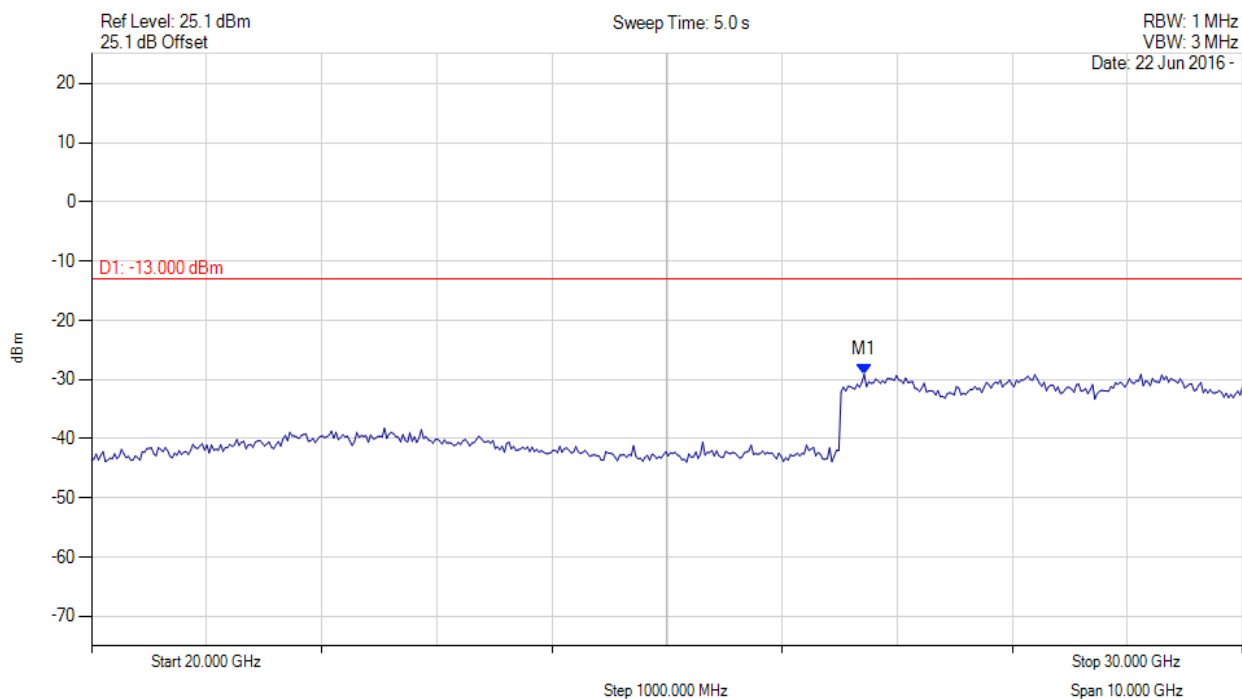
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.974 GHz : -28.327 dBm	Channel Frequency: 10.72 GHz

Unwanted Emissions 20000-30000 MHz

Variant: 30MHz QPSK, Channel: 10.72 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 28.176 GHz : -28.619 dBm	Channel Frequency: 10.72 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.713 GHz : -29.118 dBm	Channel Frequency: 11.22 GHz

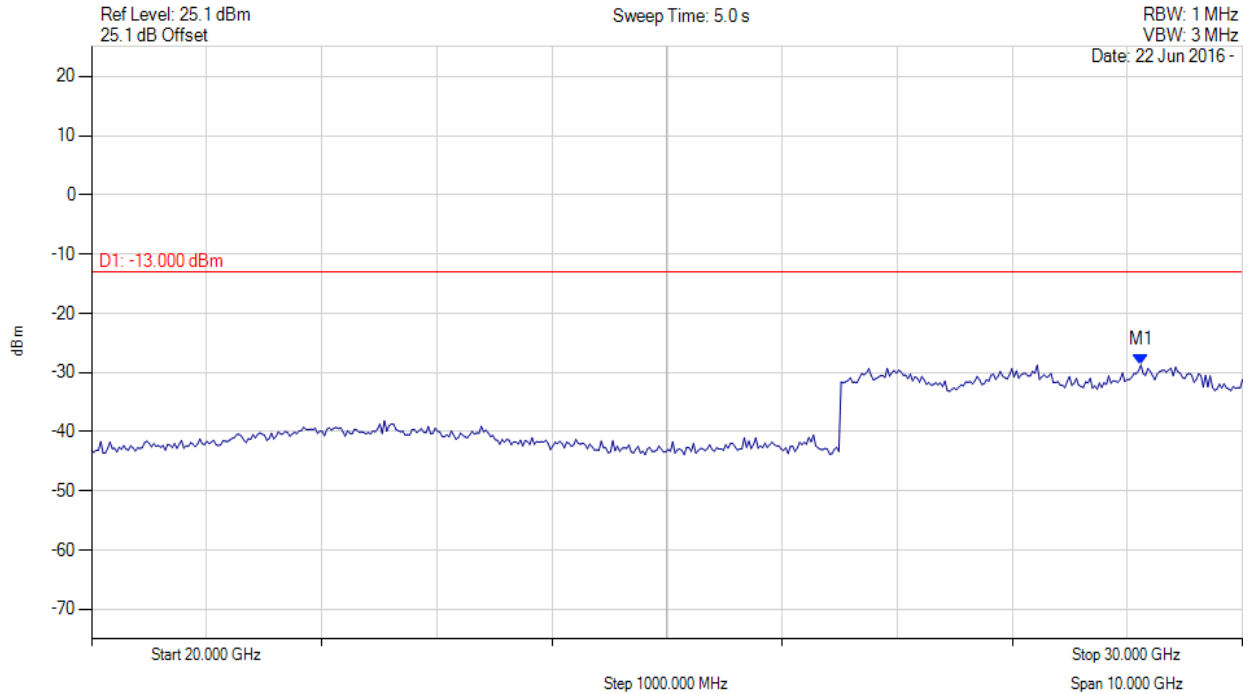


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 232 of 379



Unwanted Emissions 20000-30000 MHz

Variant: 30MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

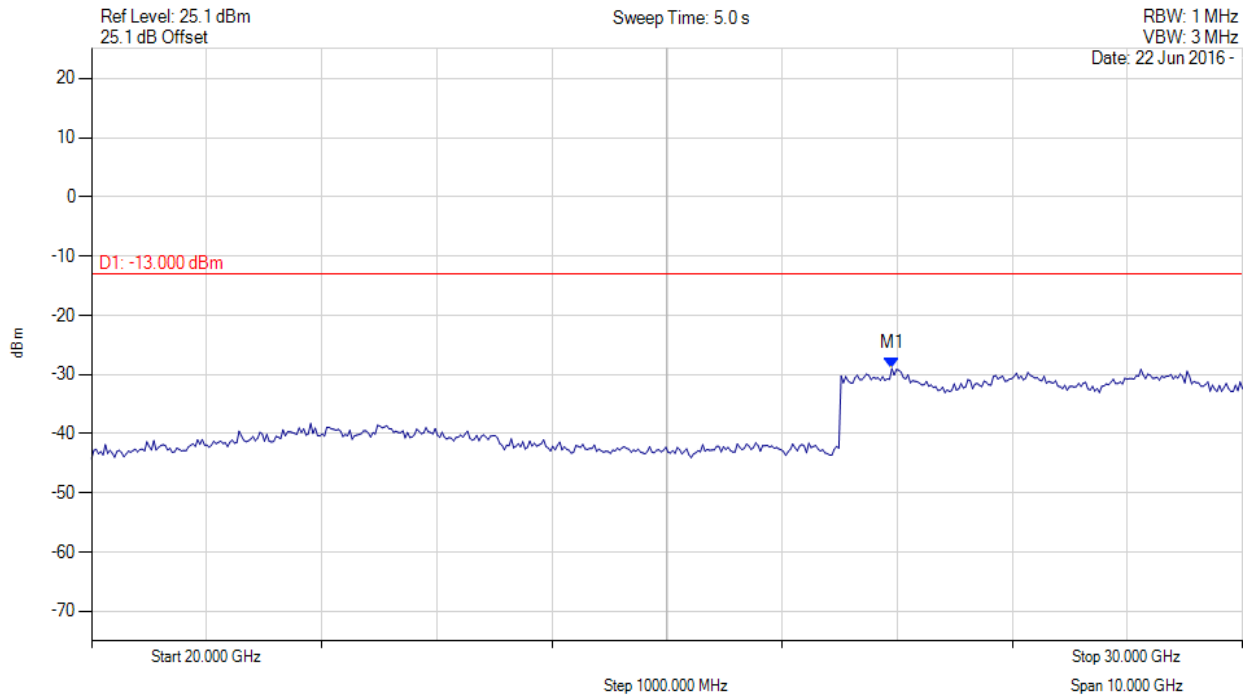


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 29.118 GHz : -28.717 dBm	Channel Frequency: 11.22 GHz

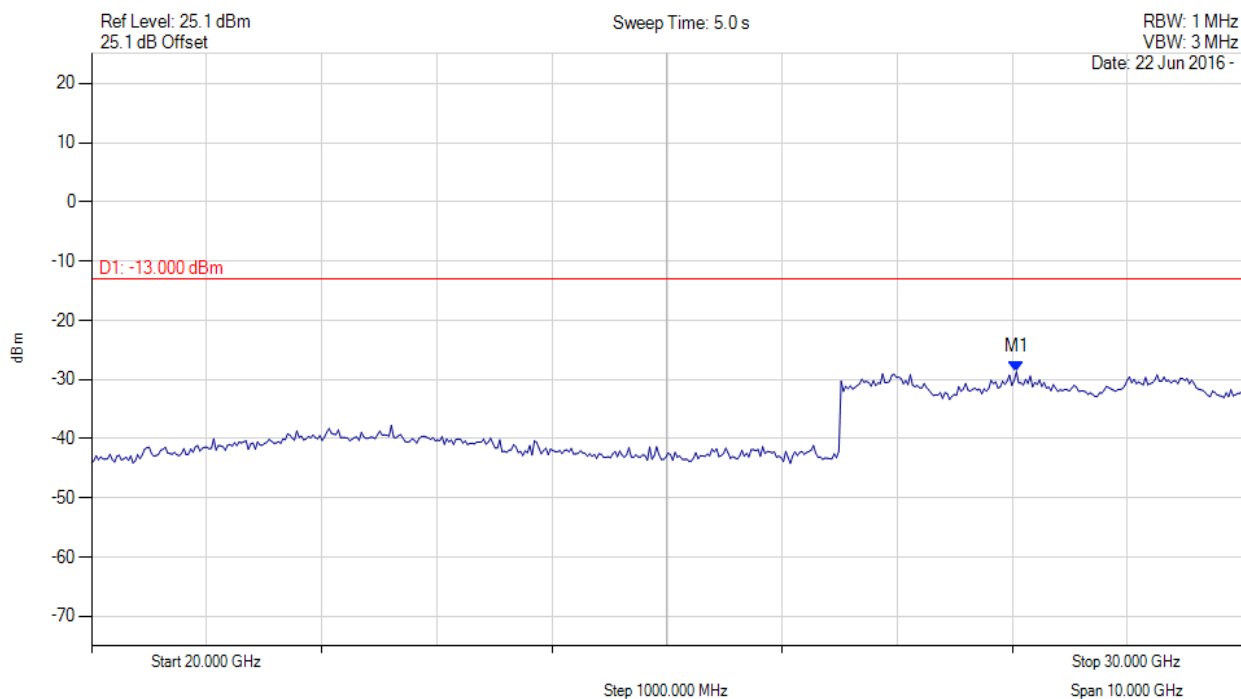
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 20000-30000 MHz

Variant: 30MHz QPSK, Channel: 11.69 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



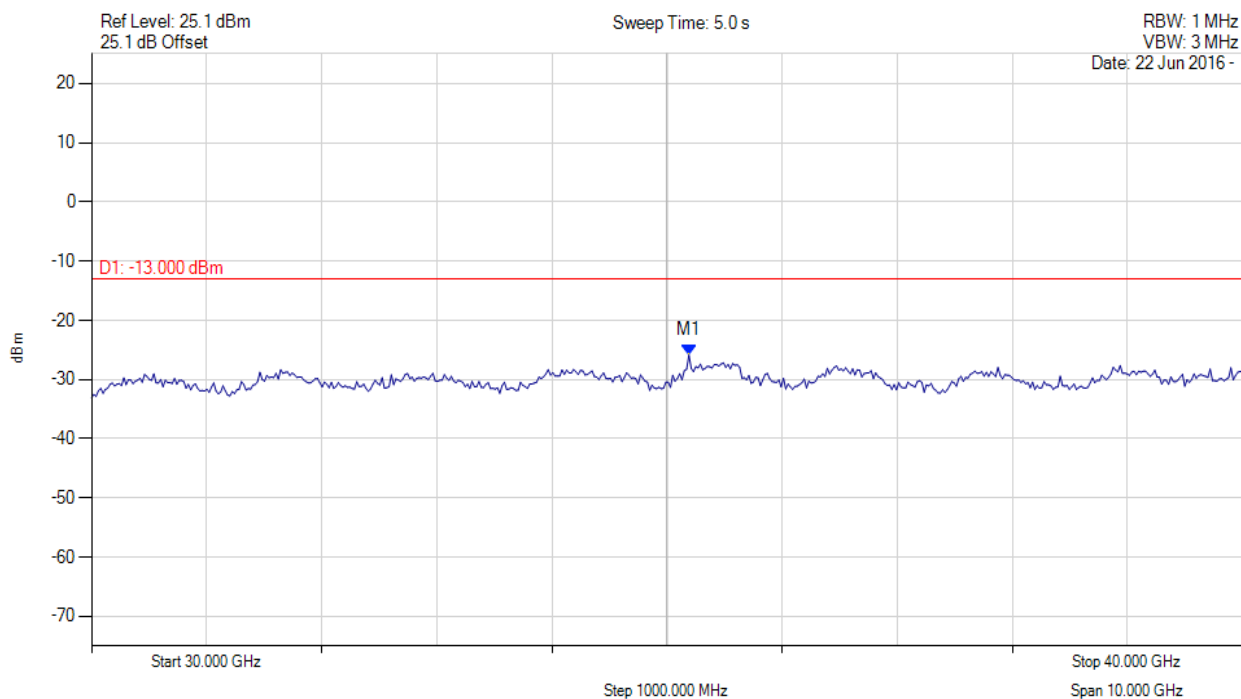
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.954 GHz : -28.987 dBm	Channel Frequency: 11.69 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 28.036 GHz : -28.682 dBm	Channel Frequency: 11.69 GHz

Unwanted Emissions 30000-40000 MHz

Variant: 30MHz QPSK, Channel: 10.72 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.190 GHz : -25.853 dBm	Channel Frequency: 10.72 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

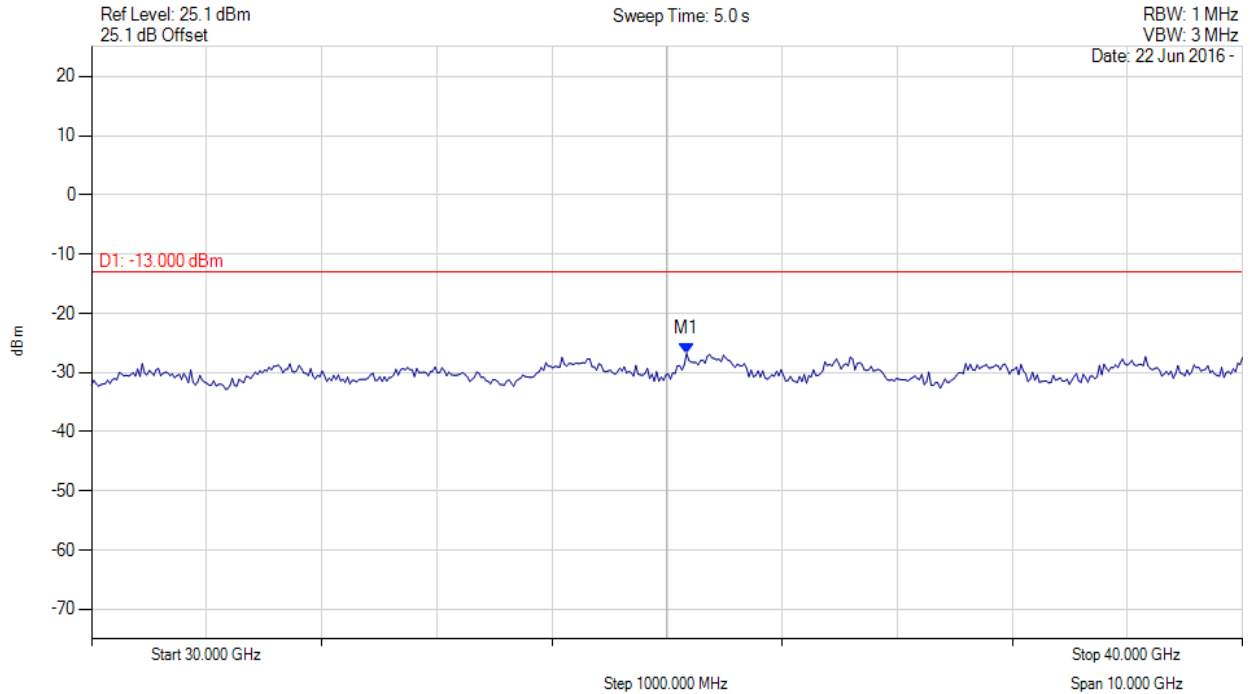


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 236 of 379



Unwanted Emissions 30000-40000 MHz

Variant: 30MHz QPSK, Channel: 10.72 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.170 GHz : -26.795 dBm	Channel Frequency: 10.72 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

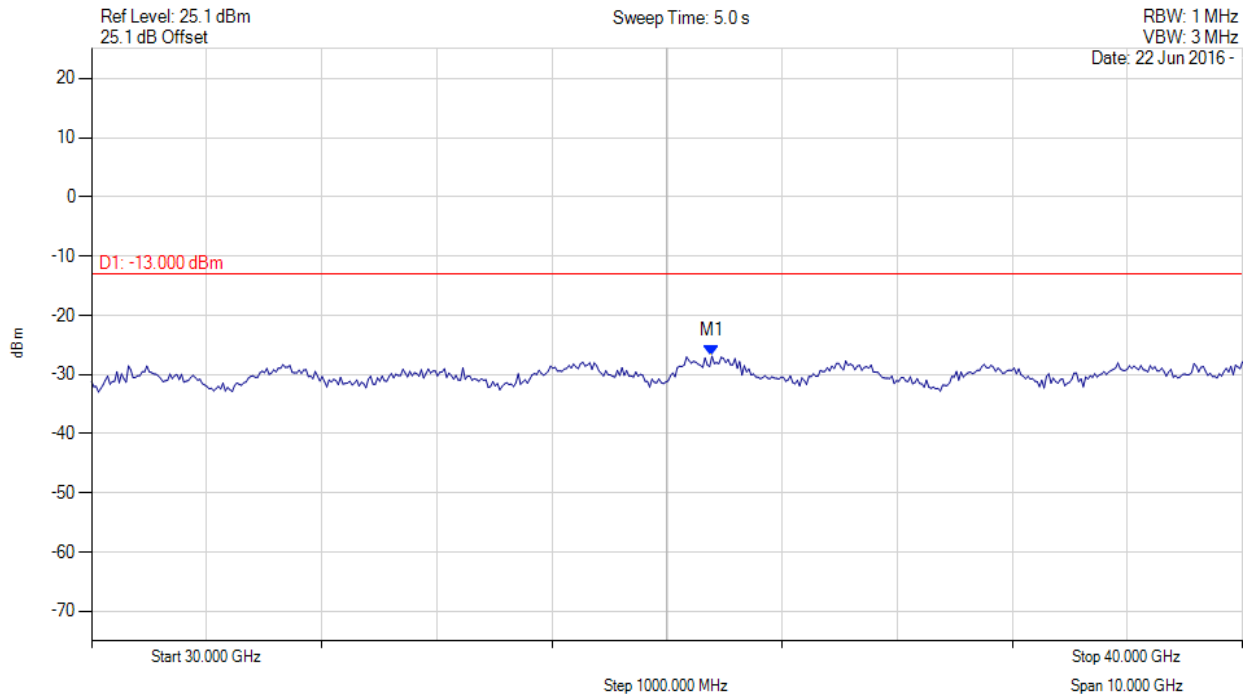


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 237 of 379



Unwanted Emissions 30000-40000 MHz

Variant: 30MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

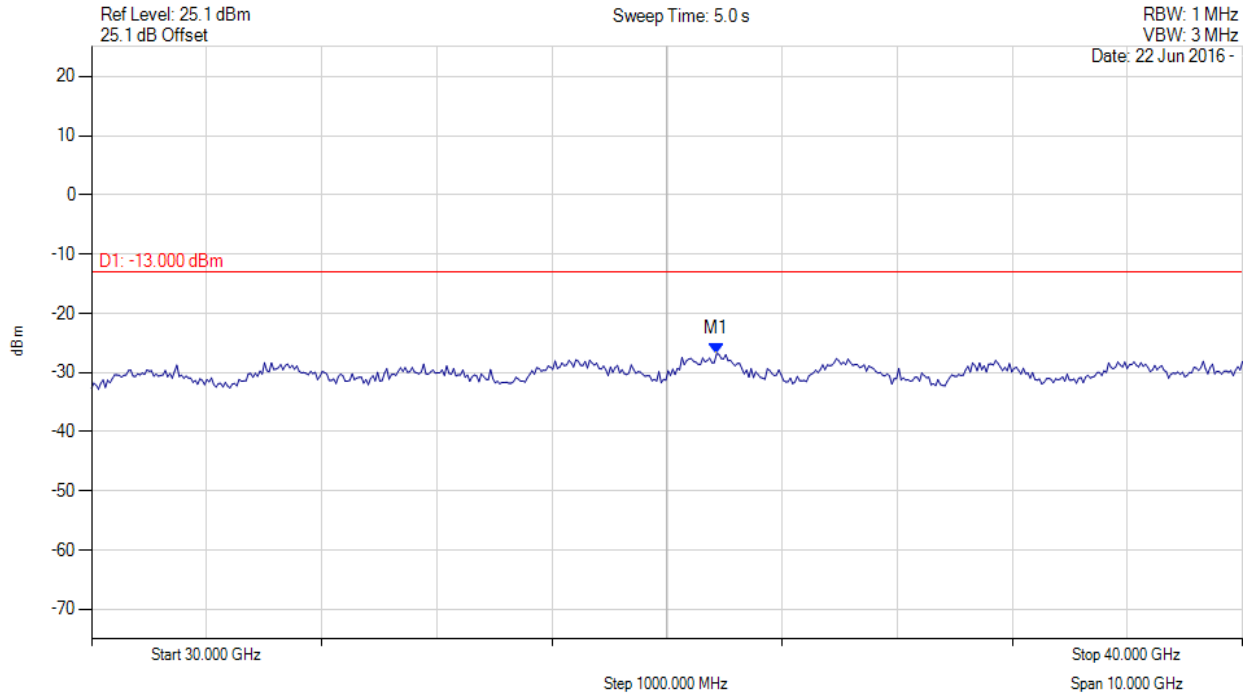


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.391 GHz : -26.887 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30000-40000 MHz

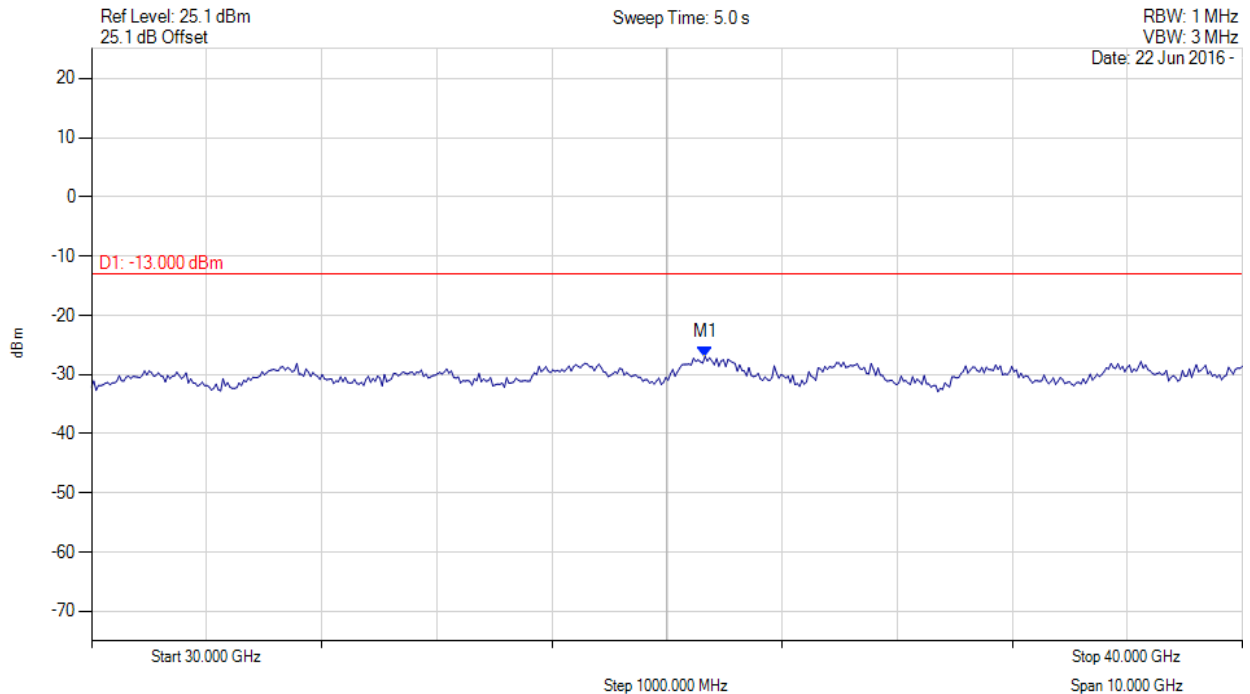
Variant: 30MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.431 GHz : -26.830 dBm	Channel Frequency: 11.22 GHz

Unwanted Emissions 30000-40000 MHz

Variant: 30MHz QPSK, Channel: 11.69 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

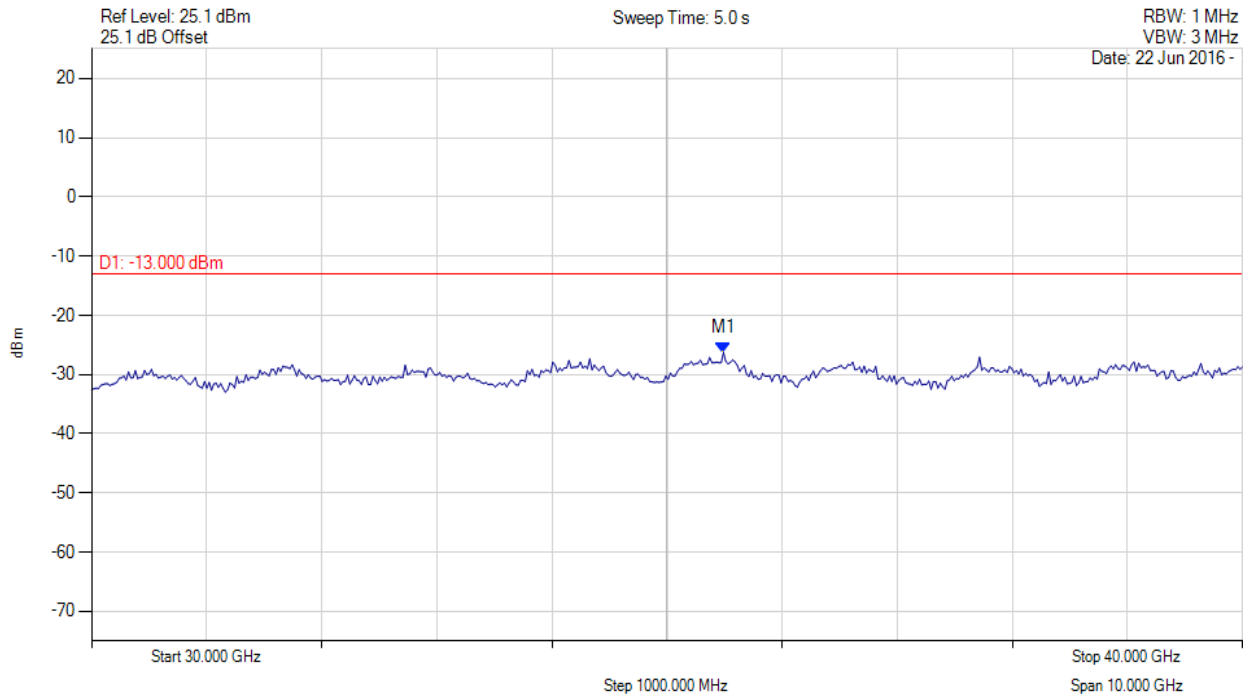


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.331 GHz : -26.956 dBm	Channel Frequency: 11.69 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30000-40000 MHz

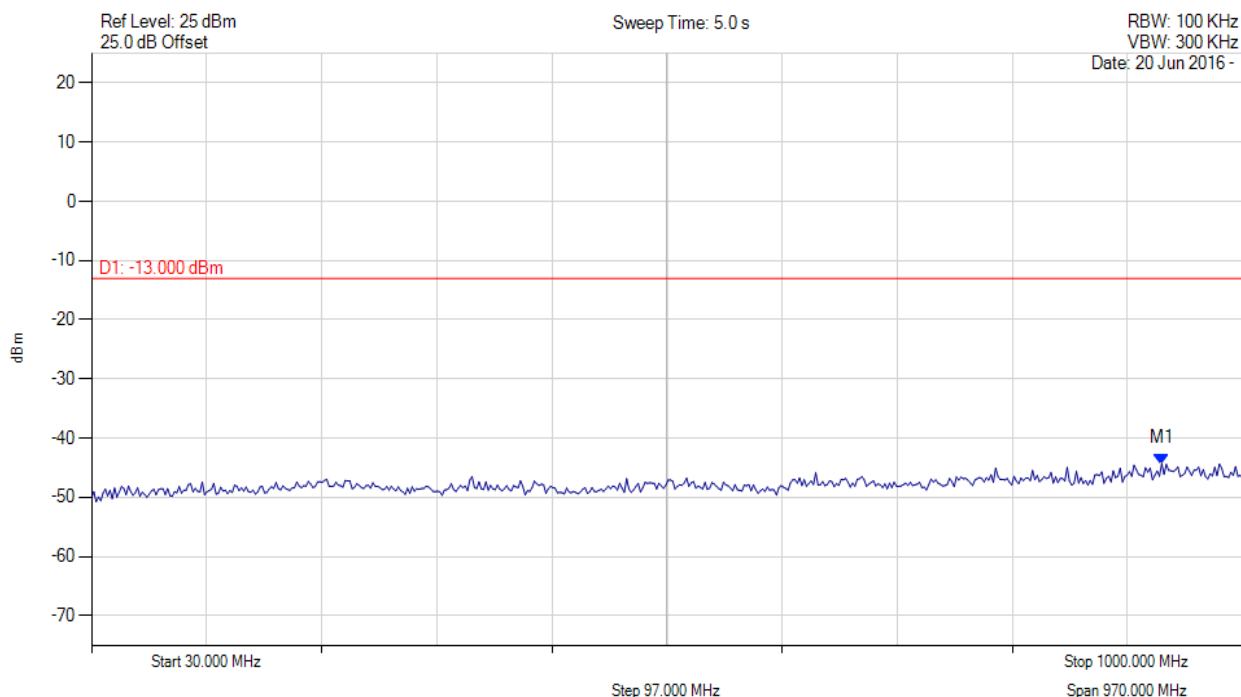
Variant: 30MHz QPSK, Channel: 11.69 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.491 GHz : -26.274 dBm	Channel Frequency: 11.69 GHz

Unwanted Emissions 30-1000MHz

Variant: 40MHz QPSK, Channel: 10.74 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 931.964 MHz : -44.314 dBm	Channel Frequency: 10.74 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

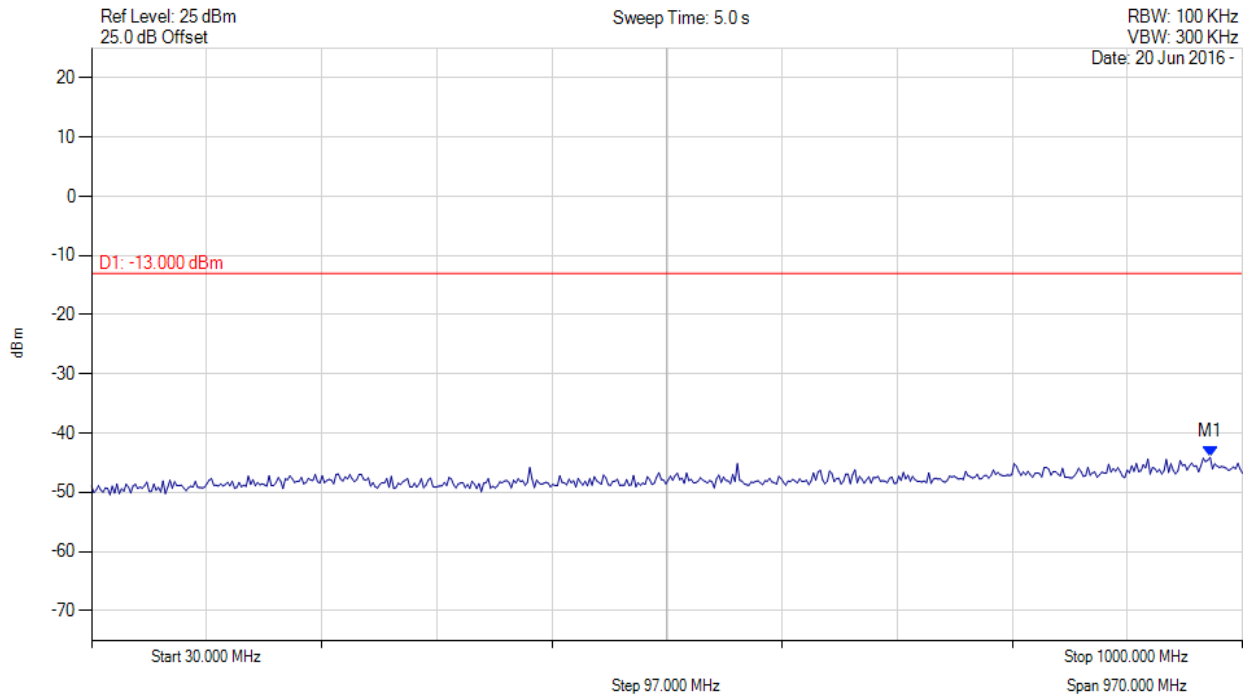


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 242 of 379



Unwanted Emissions 30-1000MHz

Variant: 40MHz QPSK, Channel: 10.74 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

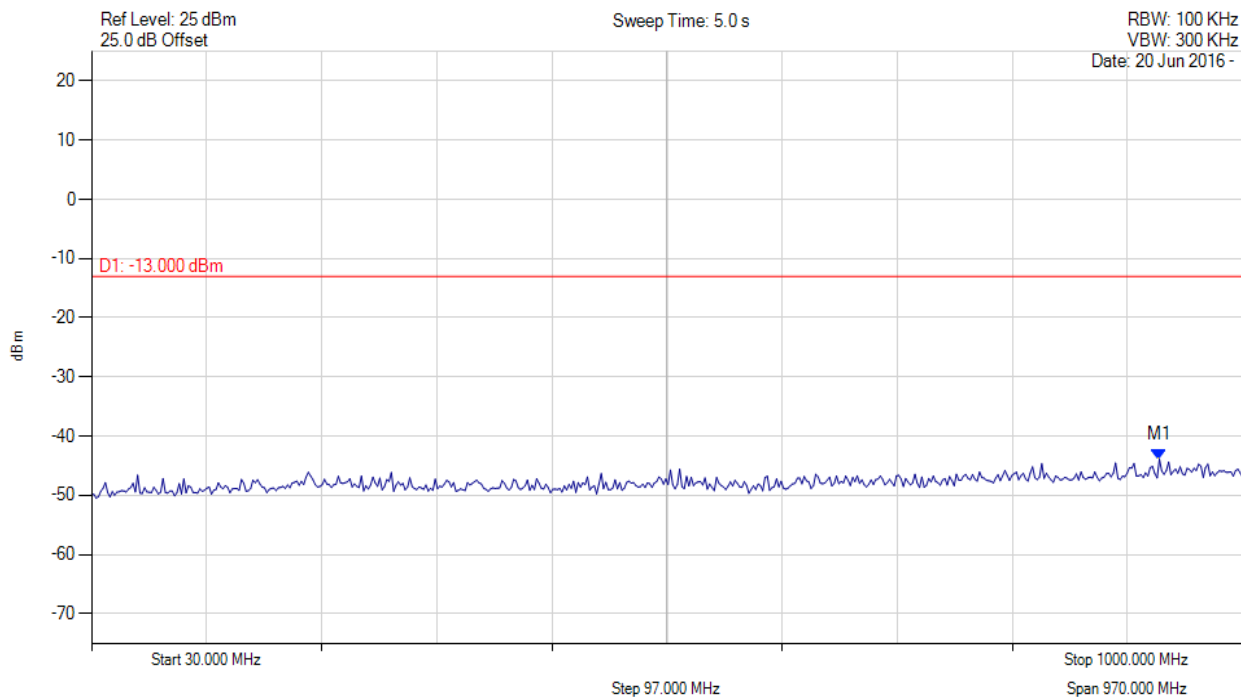


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 972.786 MHz : -44.068 dBm	Channel Frequency: 10.74 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 40MHz QPSK, Channel: 11.23 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 930.020 MHz : -43.883 dBm	Channel Frequency: 11.23 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

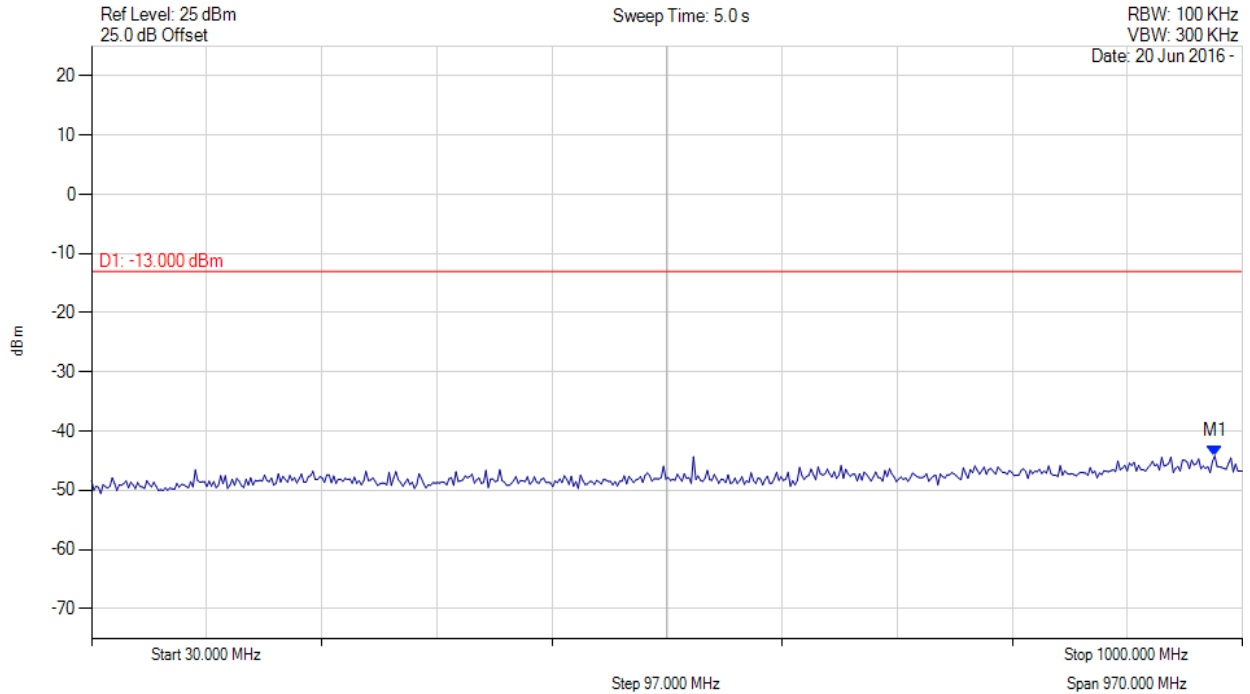


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 244 of 379



Unwanted Emissions 30-1000MHz

Variant: 40MHz QPSK, Channel: 11.23 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

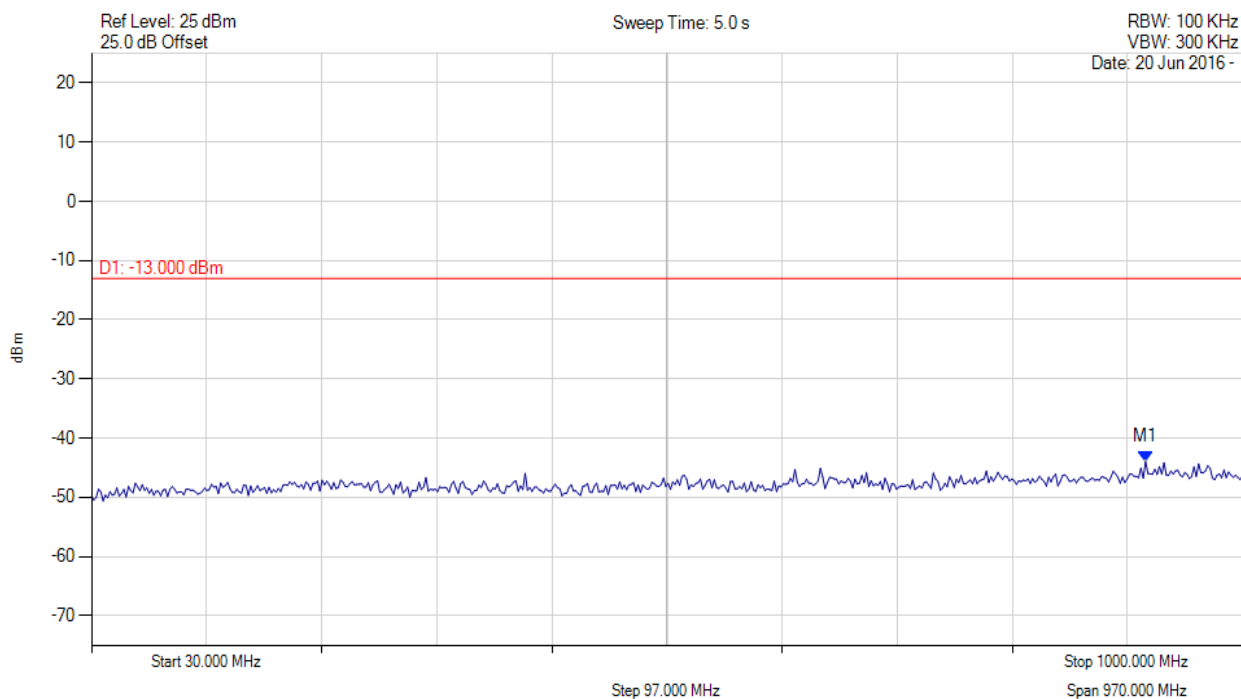


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 976.673 MHz : -44.203 dBm	Channel Frequency: 11.23 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 40MHz QPSK, Channel: 11.67 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 918.357 MHz : -43.932 dBm	Channel Frequency: 11.67 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

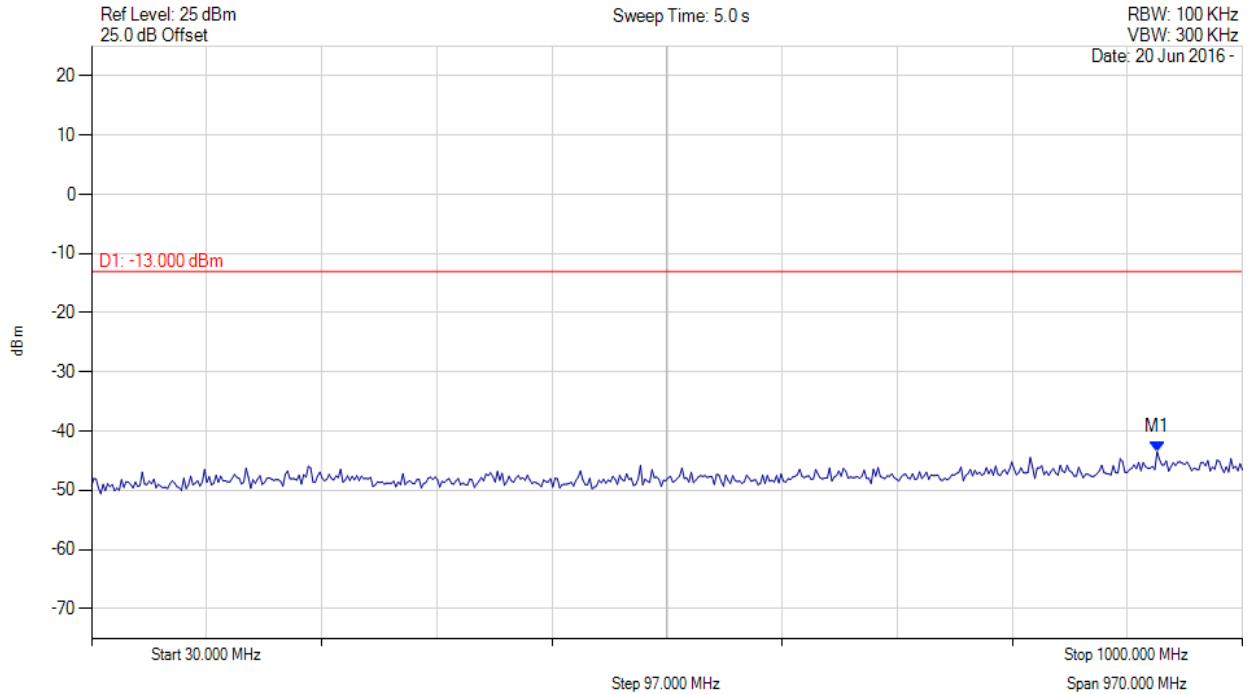


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 246 of 379



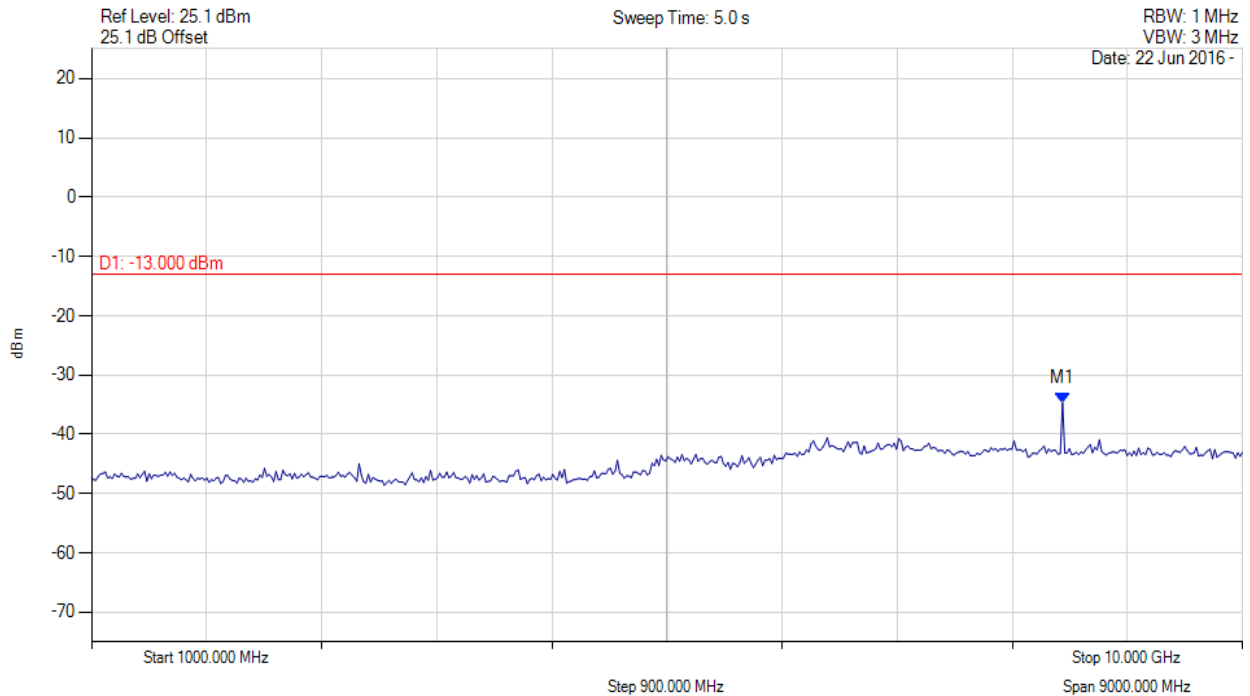
Unwanted Emissions 30-1000MHz

Variant: 40MHz QPSK, Channel: 11.67 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 928.076 MHz : -43.470 dBm	Channel Frequency: 11.67 GHz

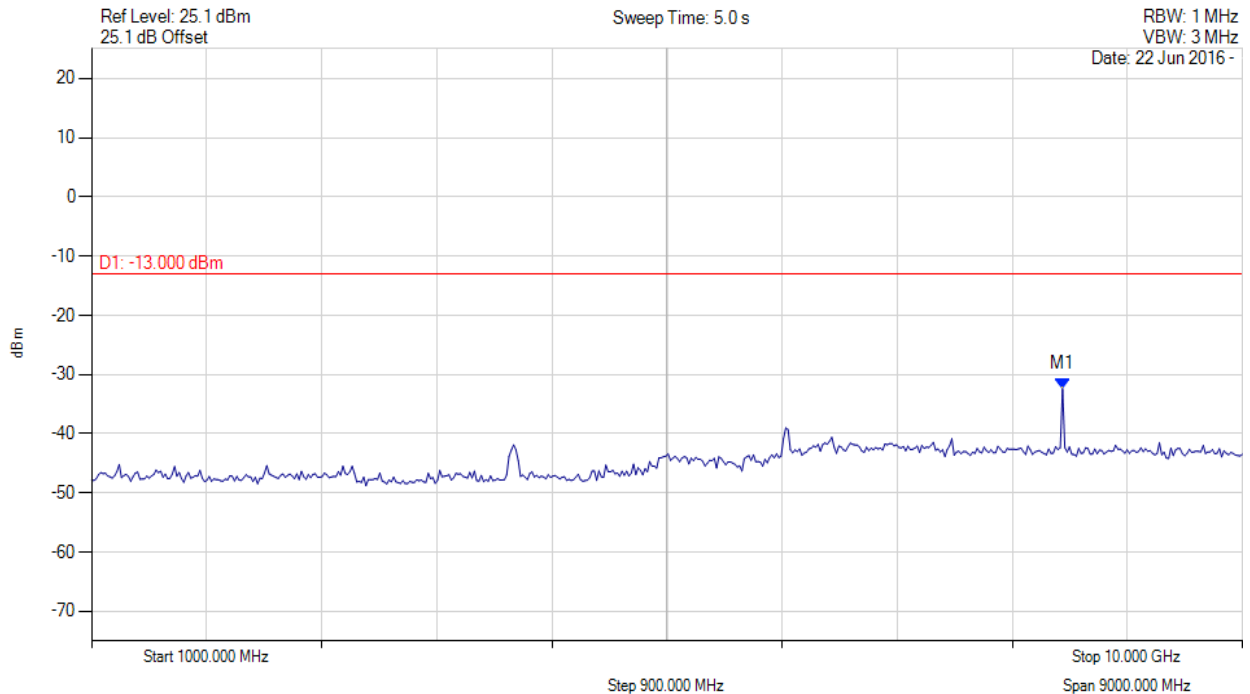
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8593.186 MHz : -34.662 dBm	Channel Frequency: 10.74 GHz

Unwanted Emissions 1000-10000 MHz

Variant: 40MHz QPSK, Channel: 10.74 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8593.186 MHz : -32.378 dBm	Channel Frequency: 10.74 GHz

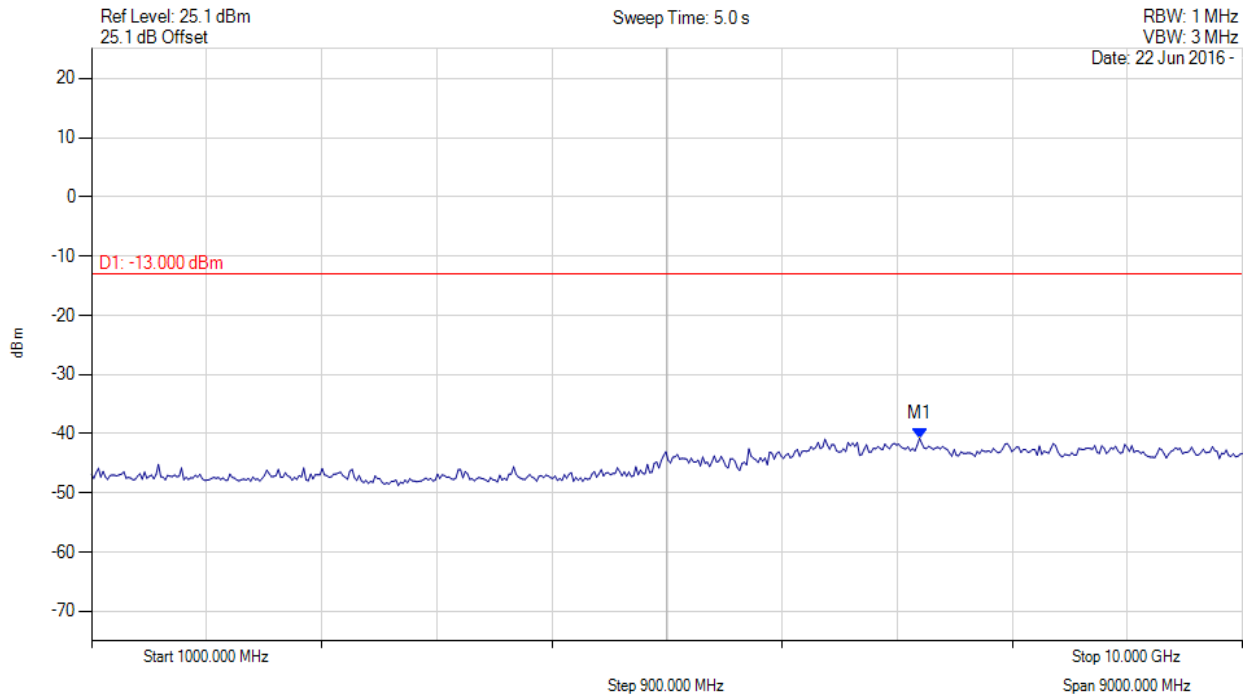


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 249 of 379



Unwanted Emissions 1000-10000 MHz

Variant: 40MHz QPSK, Channel: 11.23 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

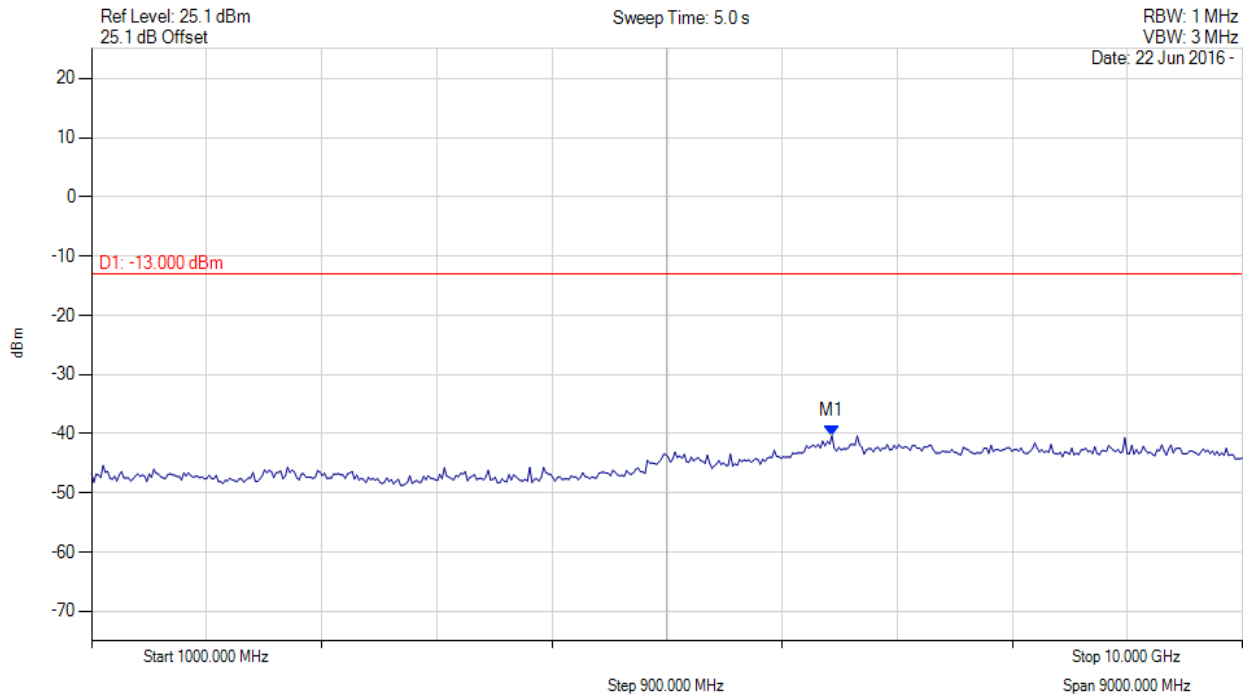


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 7474.950 MHz : -40.751 dBm	Channel Frequency: 11.23 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 1000-10000 MHz

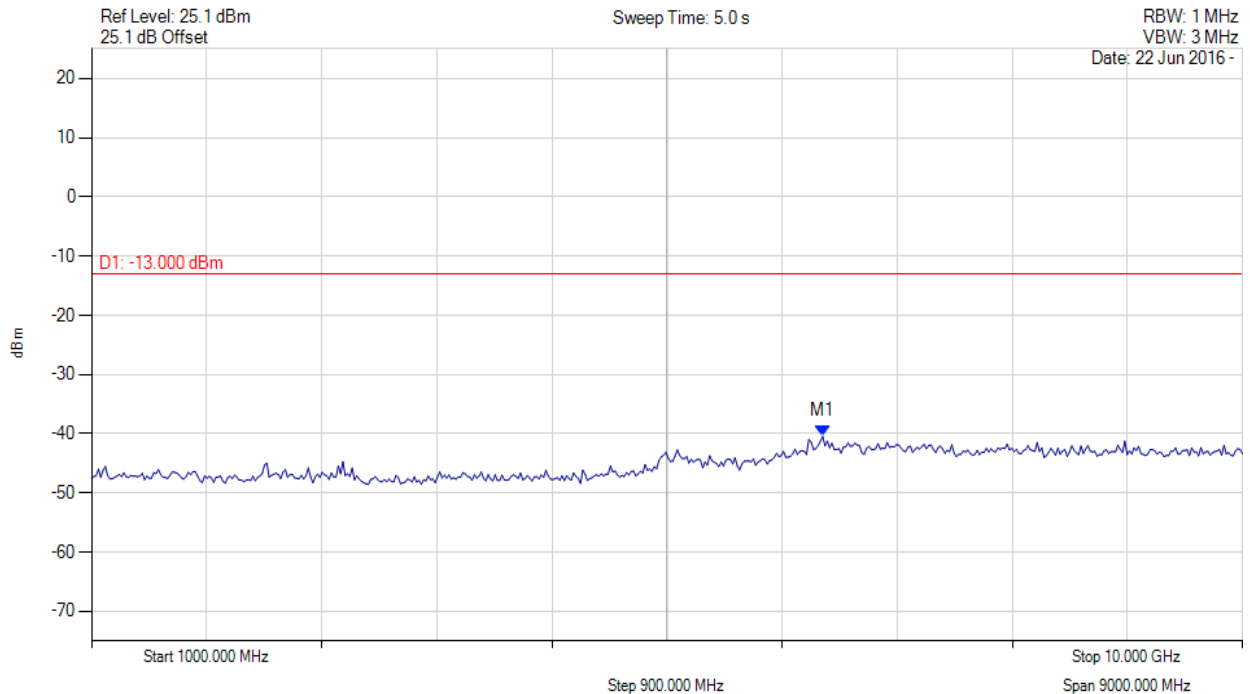
Variant: 40MHz QPSK, Channel: 11.23 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 6789.579 MHz : -40.342 dBm	Channel Frequency: 11.23 GHz

Unwanted Emissions 1000-10000 MHz

Variant: 40MHz QPSK, Channel: 11.67 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 6717.435 MHz : -40.413 dBm	Channel Frequency: 11.67 GHz

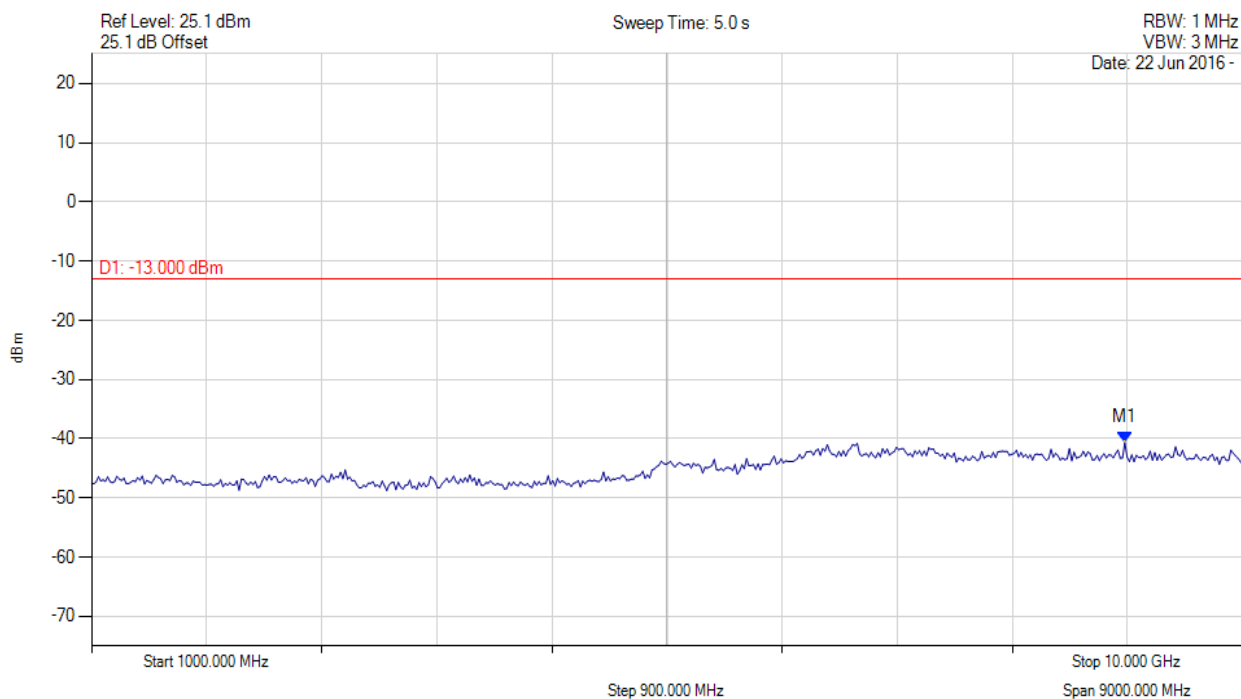


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 252 of 379



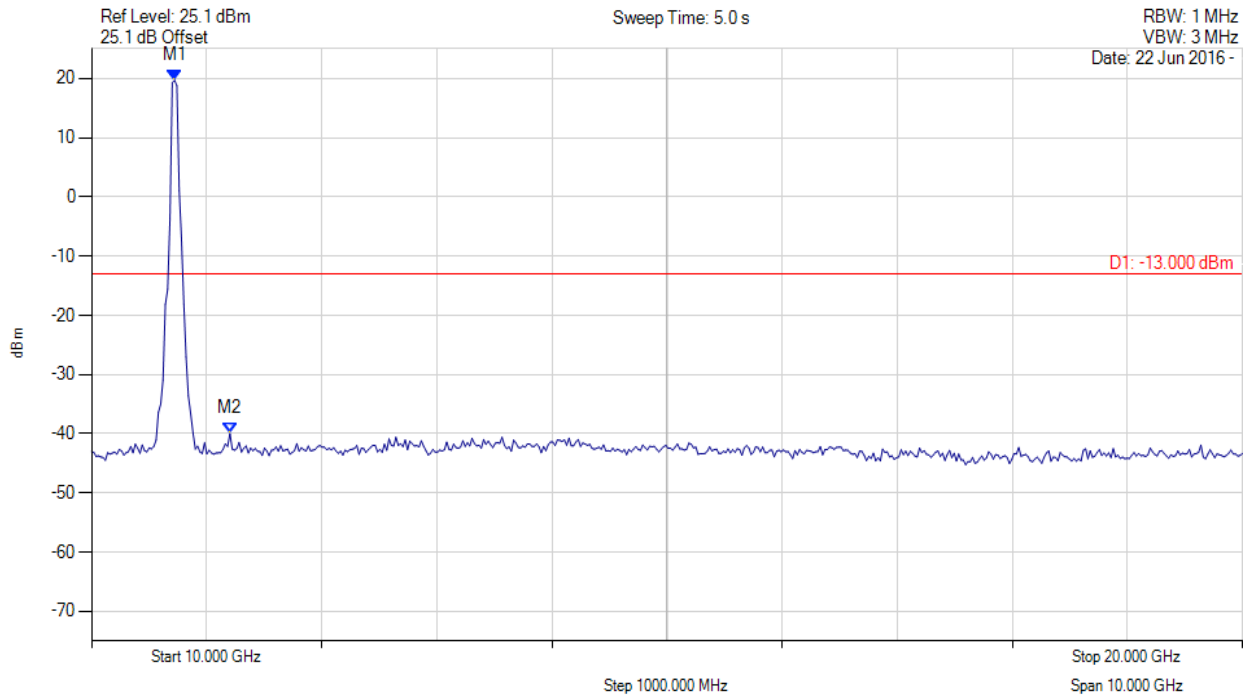
Unwanted Emissions 1000-10000 MHz

Variant: 40MHz QPSK, Channel: 11.67 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

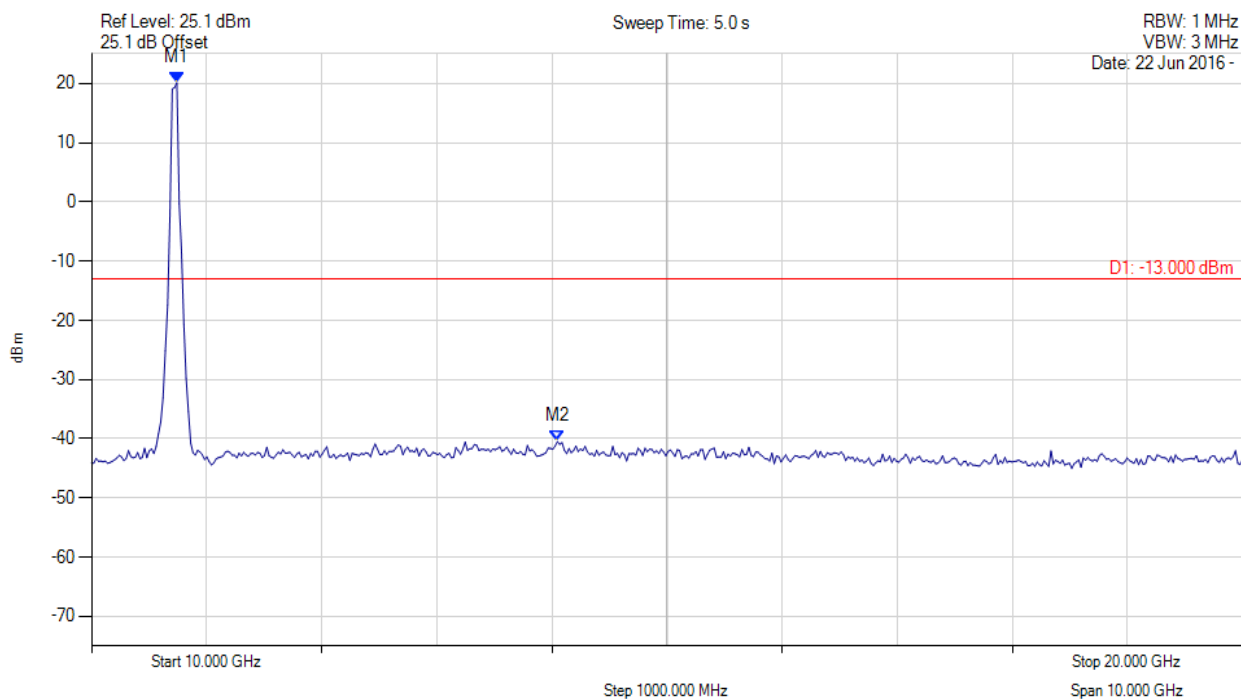


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9080.160 MHz : -40.633 dBm	Channel Frequency: 11.67 GHz

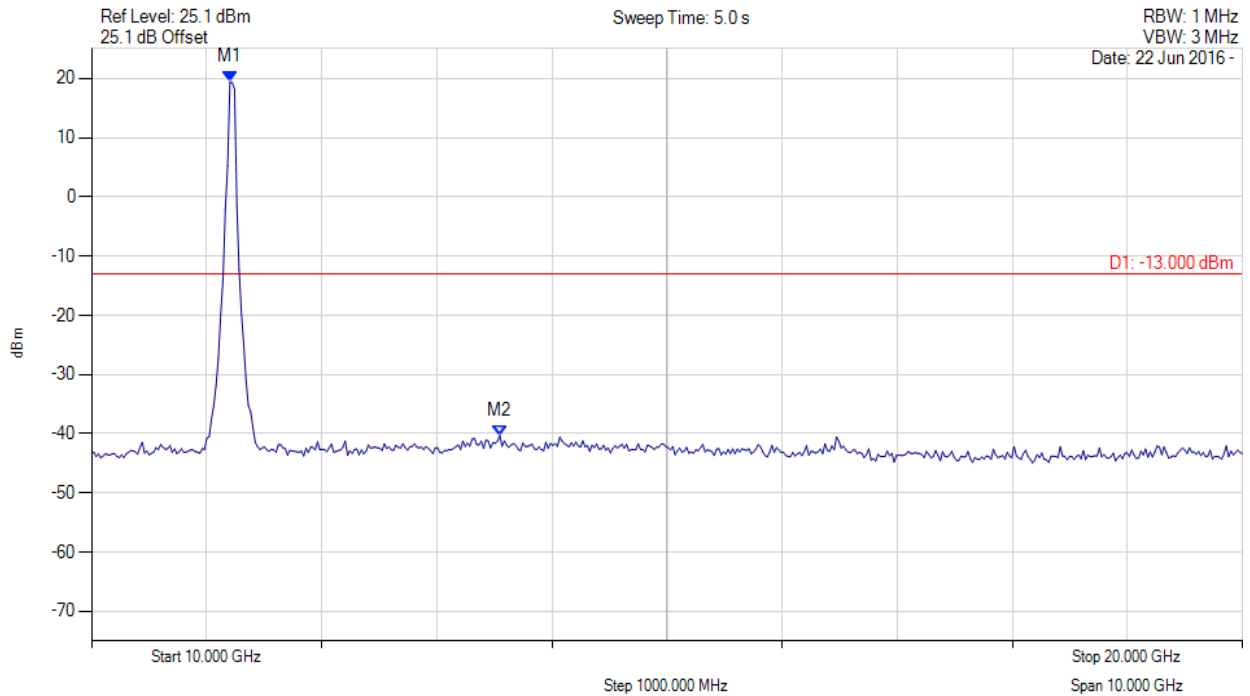
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



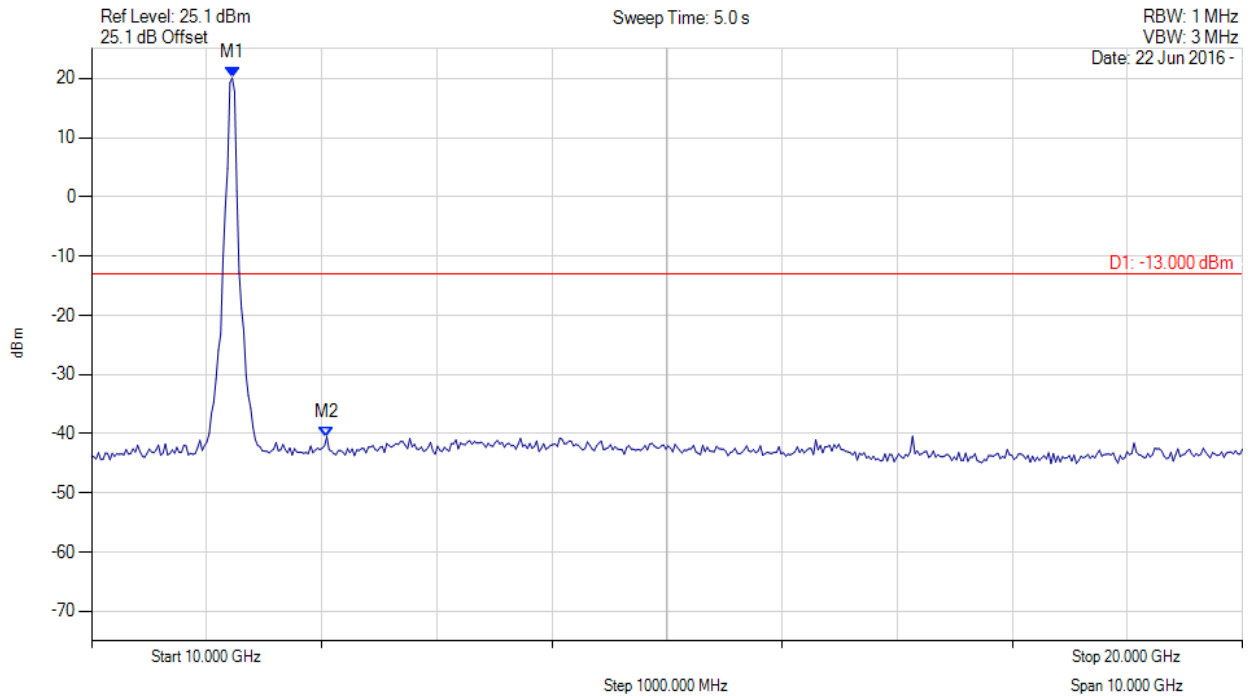
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 10.721 GHz : 19.704 dBm M2 : 11.202 GHz : -39.968 dBm	Channel Frequency: 10.74 GHz



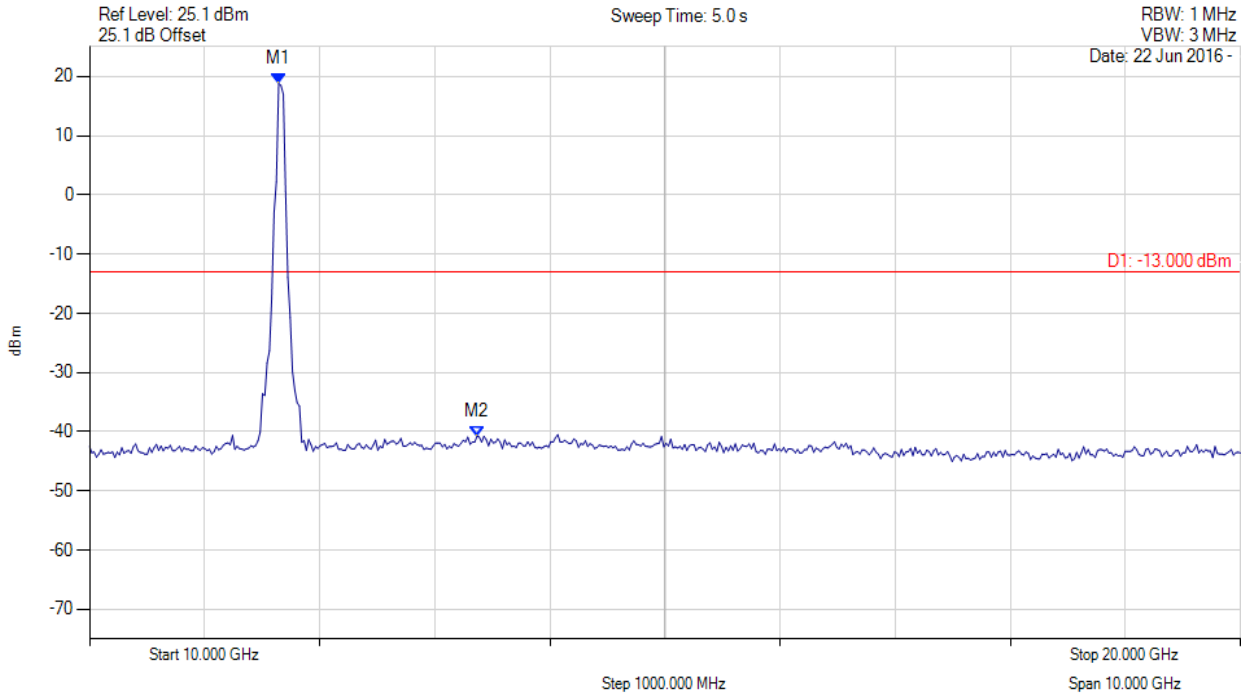
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 10.741 GHz : 20.119 dBm M2 : 14.048 GHz : -40.456 dBm	Channel Frequency: 10.74 GHz



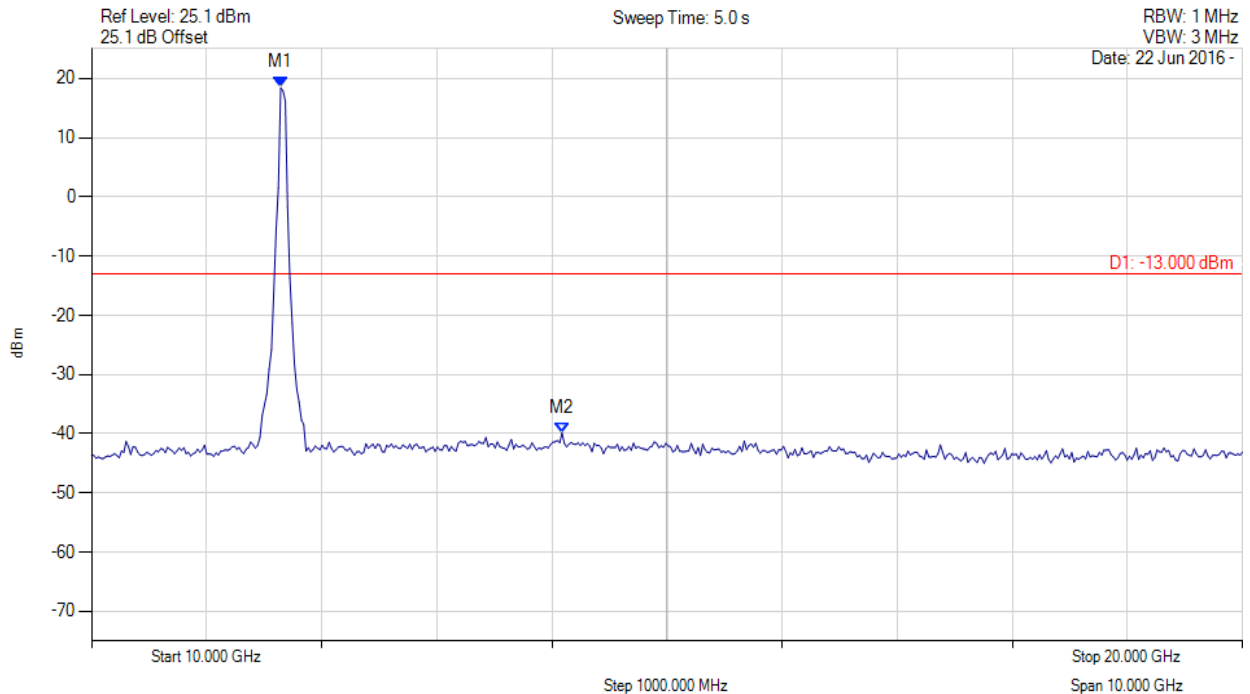
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.202 GHz : 19.408 dBm M2 : 13.547 GHz : -40.289 dBm	Channel Frequency: 11.23 GHz



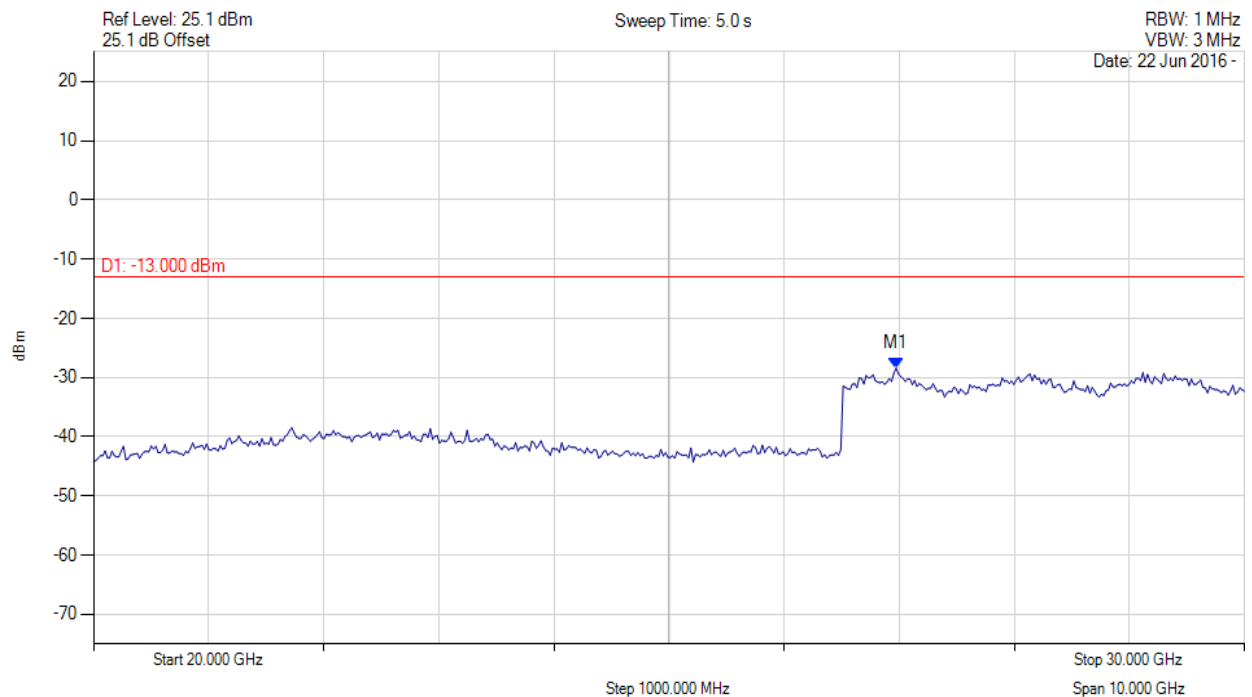
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.222 GHz : 20.091 dBm M2 : 12.044 GHz : -40.525 dBm	Channel Frequency: 11.23 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.643 GHz : 18.795 dBm M2 : 13.367 GHz : -40.759 dBm	Channel Frequency: 11.67 GHz



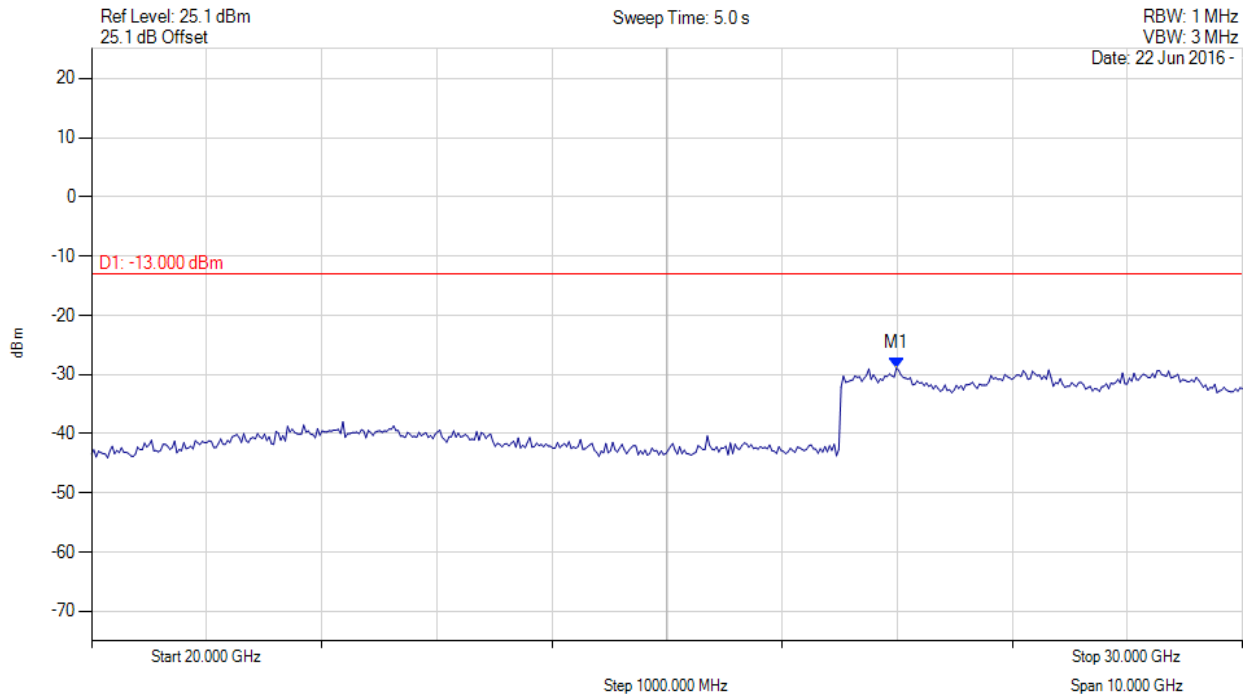
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.643 GHz : 18.437 dBm M2 : 14.088 GHz : -39.872 dBm	Channel Frequency: 11.67 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.974 GHz : -28.428 dBm	Channel Frequency: 10.74 GHz

Unwanted Emissions 20000-30000 MHz

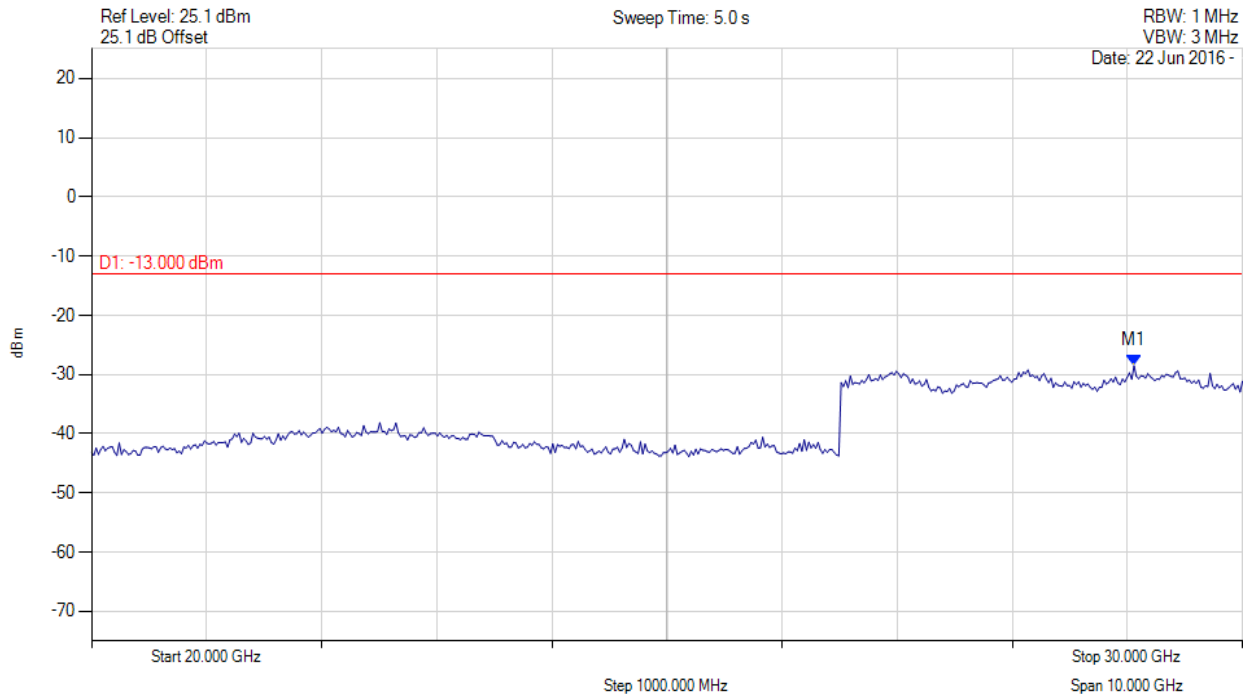
Variant: 40MHz QPSK, Channel: 10.74 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.994 GHz : -28.874 dBm	Channel Frequency: 10.74 GHz

Unwanted Emissions 20000-30000 MHz

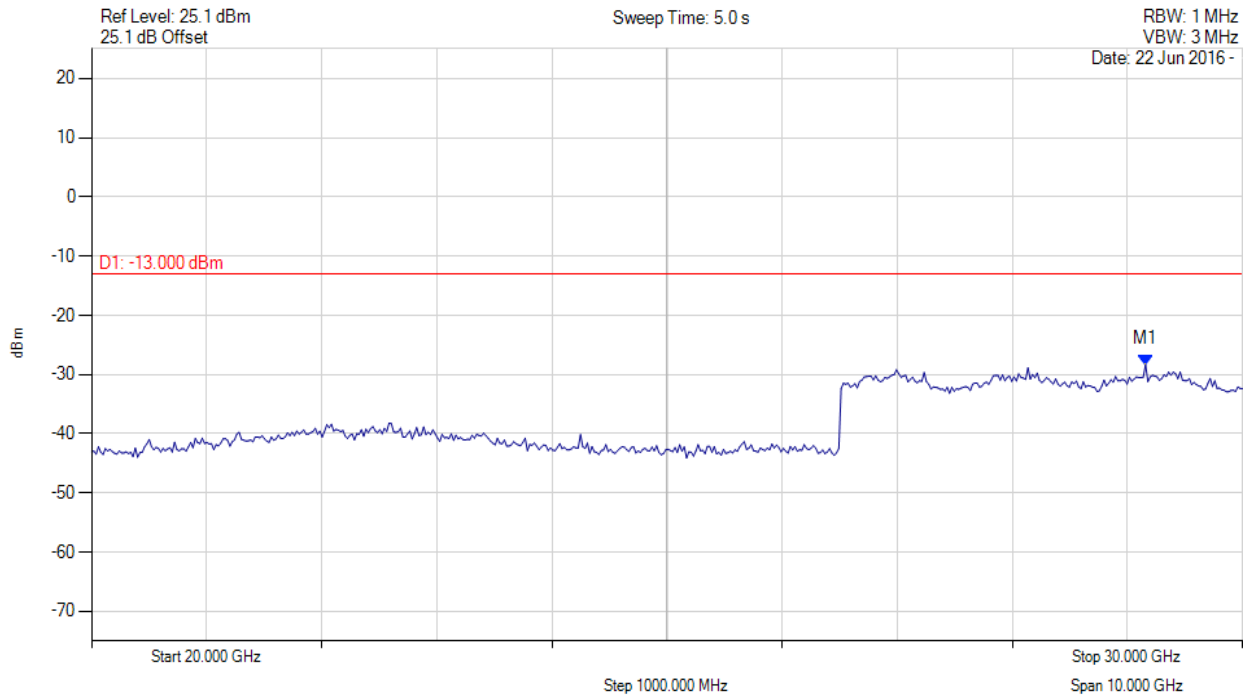
Variant: 40MHz QPSK, Channel: 11.23 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 29.058 GHz : -28.499 dBm	Channel Frequency: 11.23 GHz

Unwanted Emissions 20000-30000 MHz

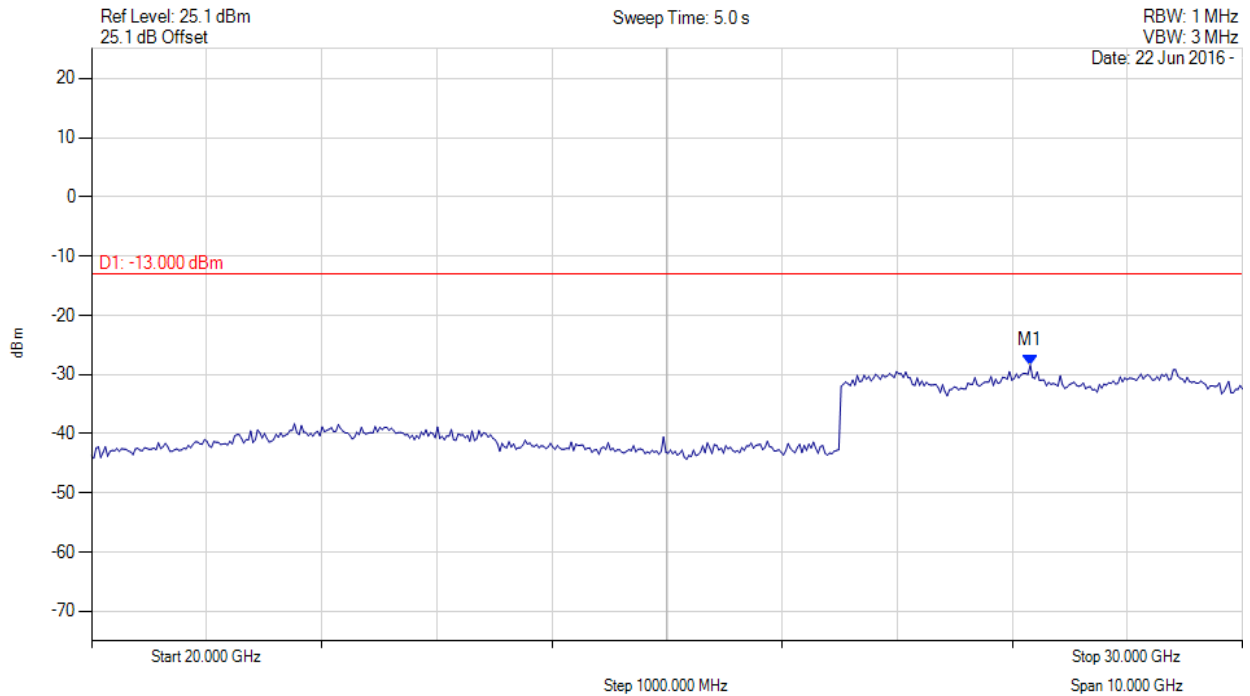
Variant: 40MHz QPSK, Channel: 11.23 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 29.158 GHz : -28.345 dBm	Channel Frequency: 11.23 GHz

Unwanted Emissions 20000-30000 MHz

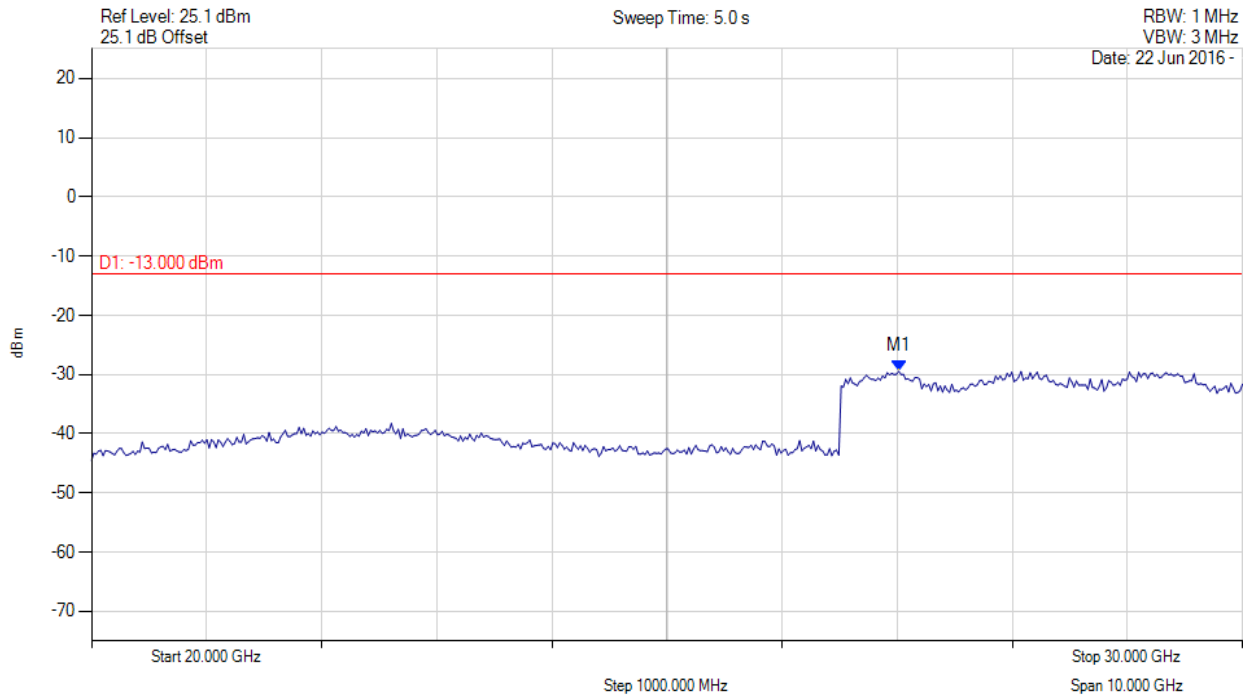
Variant: 40MHz QPSK, Channel: 11.67 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 28.156 GHz : -28.430 dBm	Channel Frequency: 11.67 GHz

Unwanted Emissions 20000-30000 MHz

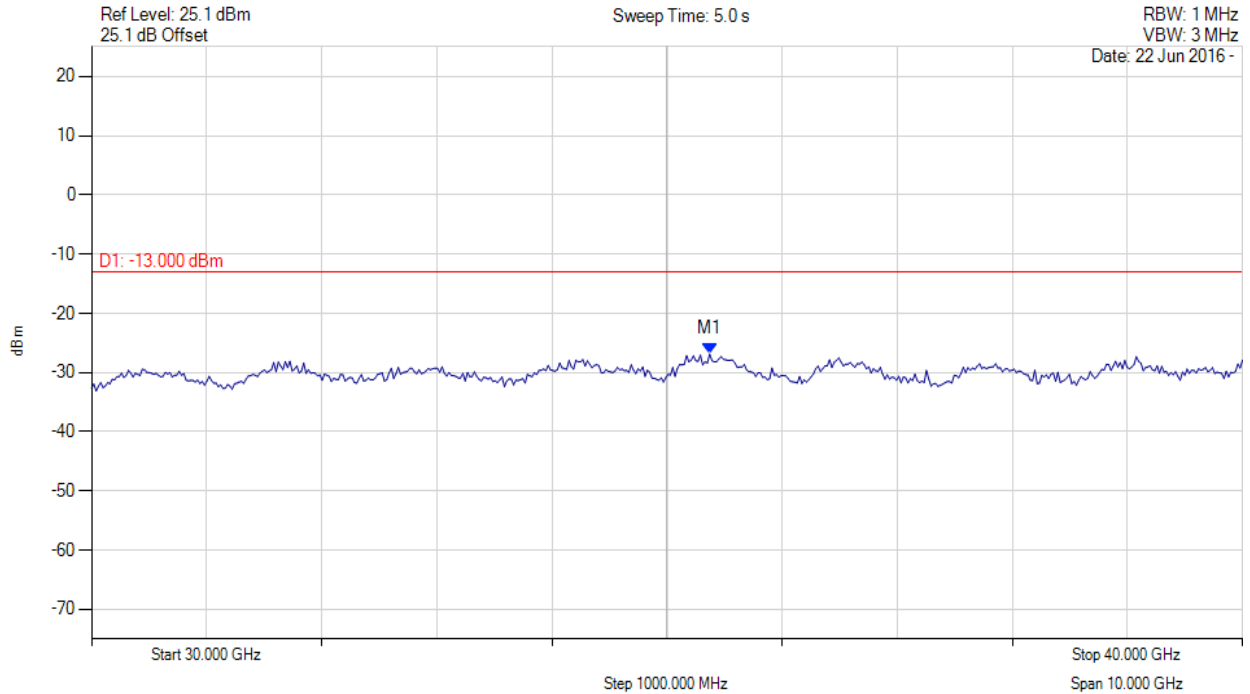
Variant: 40MHz QPSK, Channel: 11.67 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 27.014 GHz : -29.443 dBm	Channel Frequency: 11.67 GHz

Unwanted Emissions 30000-40000 MHz

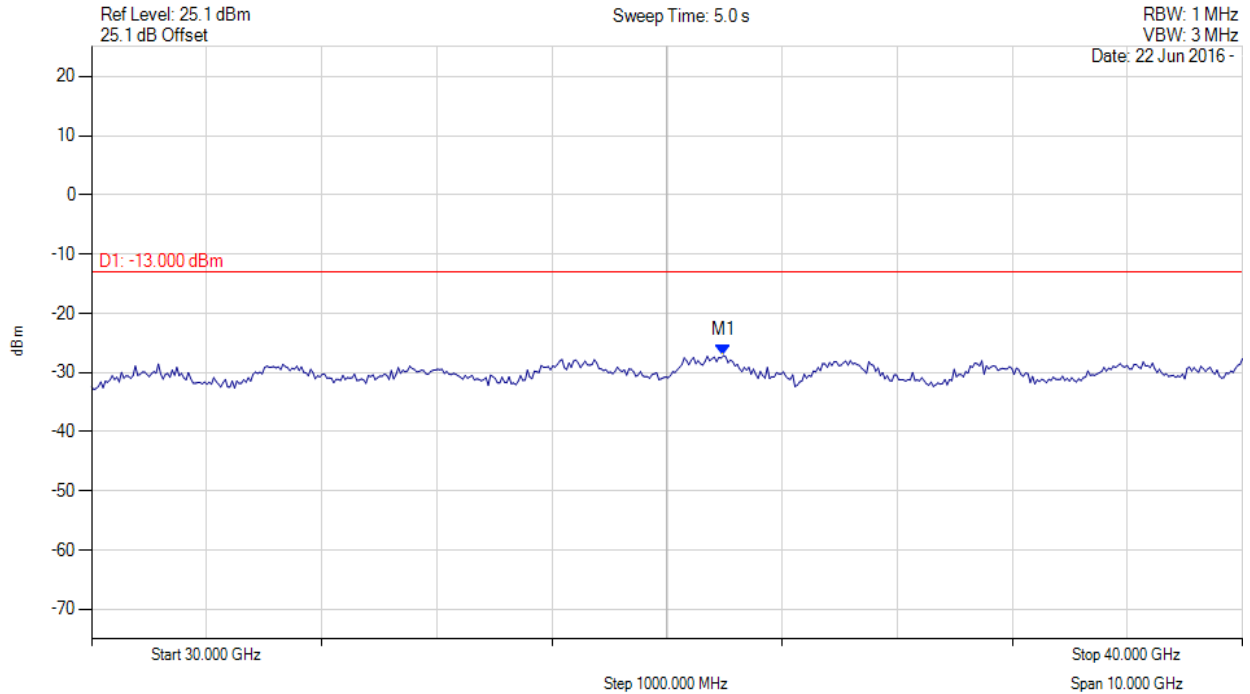
Variant: 40MHz QPSK, Channel: 10.74 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.371 GHz : -26.864 dBm	Channel Frequency: 10.74 GHz

Unwanted Emissions 30000-40000 MHz

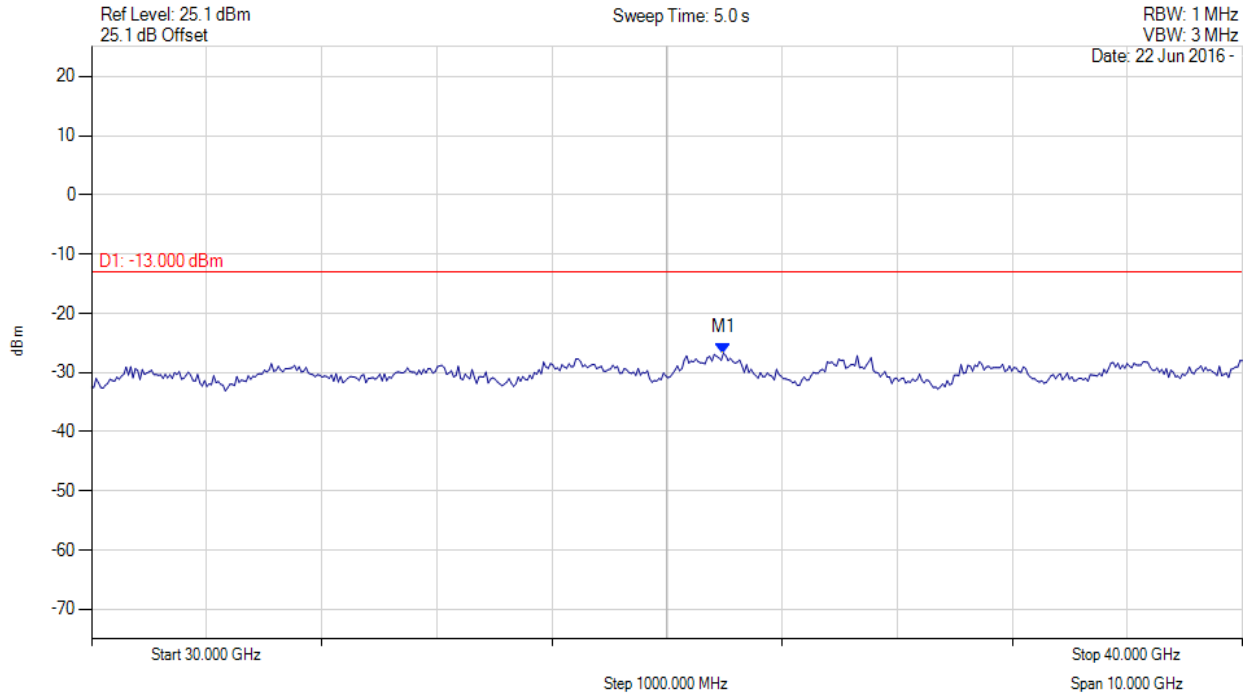
Variant: 40MHz QPSK, Channel: 10.74 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.491 GHz : -27.131 dBm	Channel Frequency: 10.74 GHz

Unwanted Emissions 30000-40000 MHz

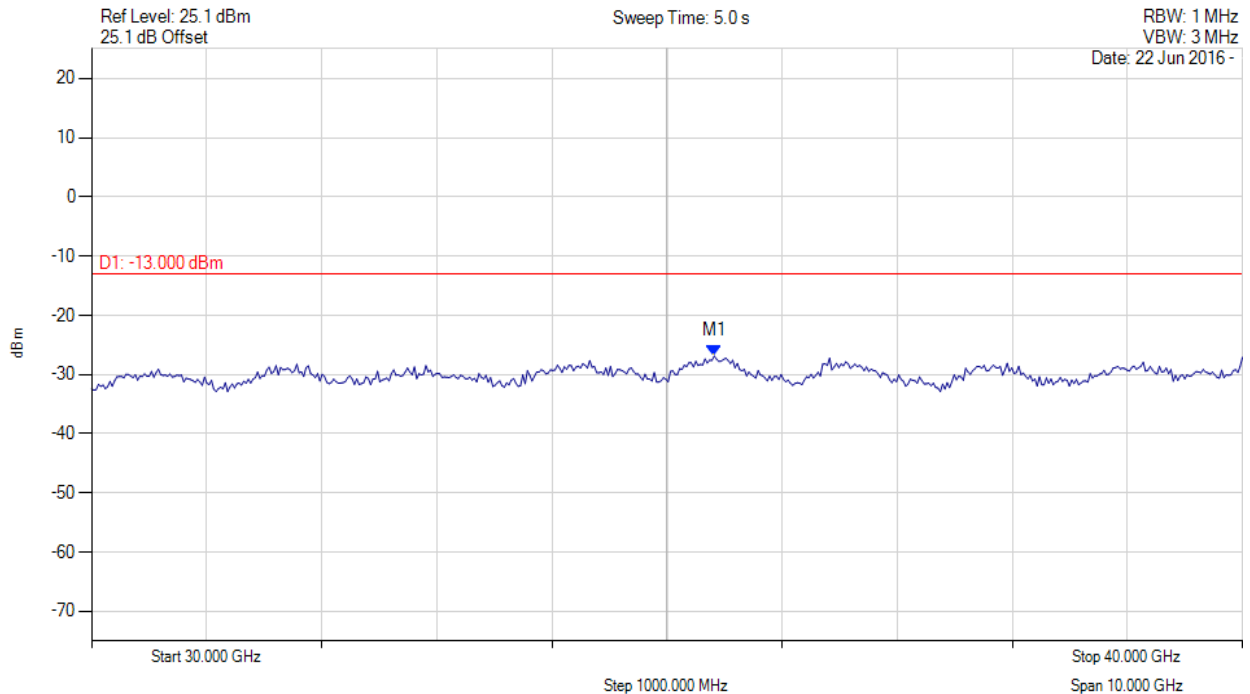
Variant: 40MHz QPSK, Channel: 11.23 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.491 GHz : -26.702 dBm	Channel Frequency: 11.23 GHz

Unwanted Emissions 30000-40000 MHz

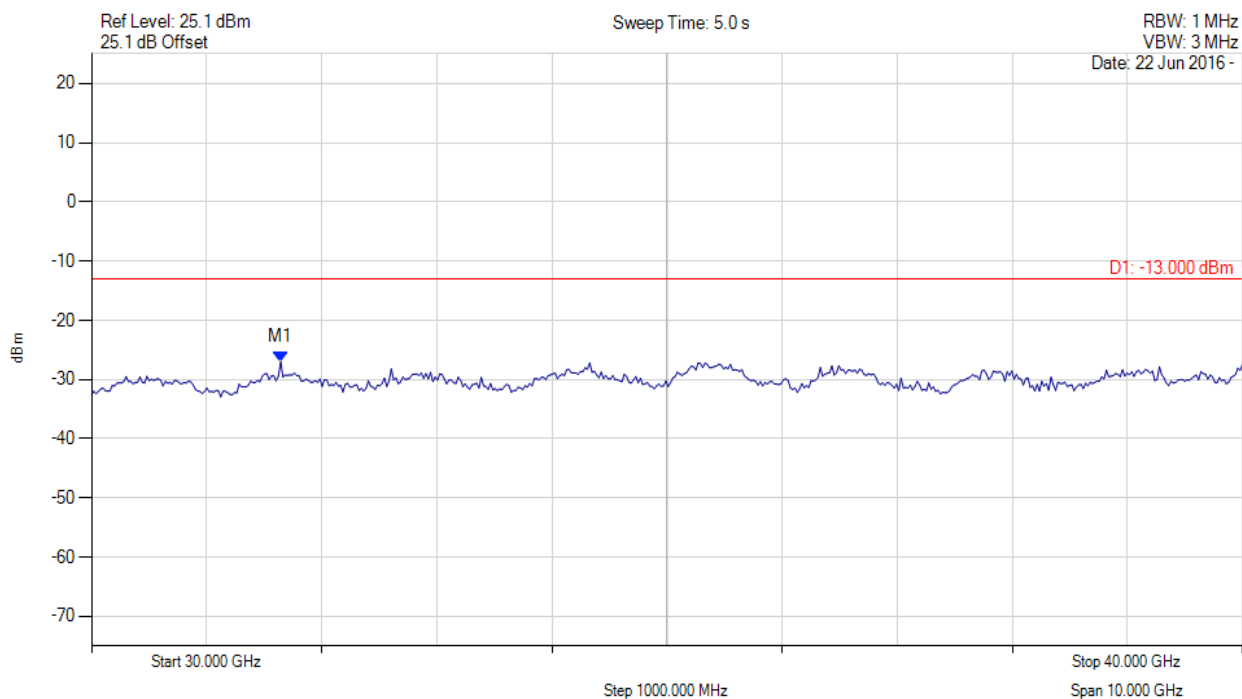
Variant: 40MHz QPSK, Channel: 11.23 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.411 GHz : -26.856 dBm	Channel Frequency: 11.23 GHz

Unwanted Emissions 30000-40000 MHz

Variant: 40MHz QPSK, Channel: 11.67 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

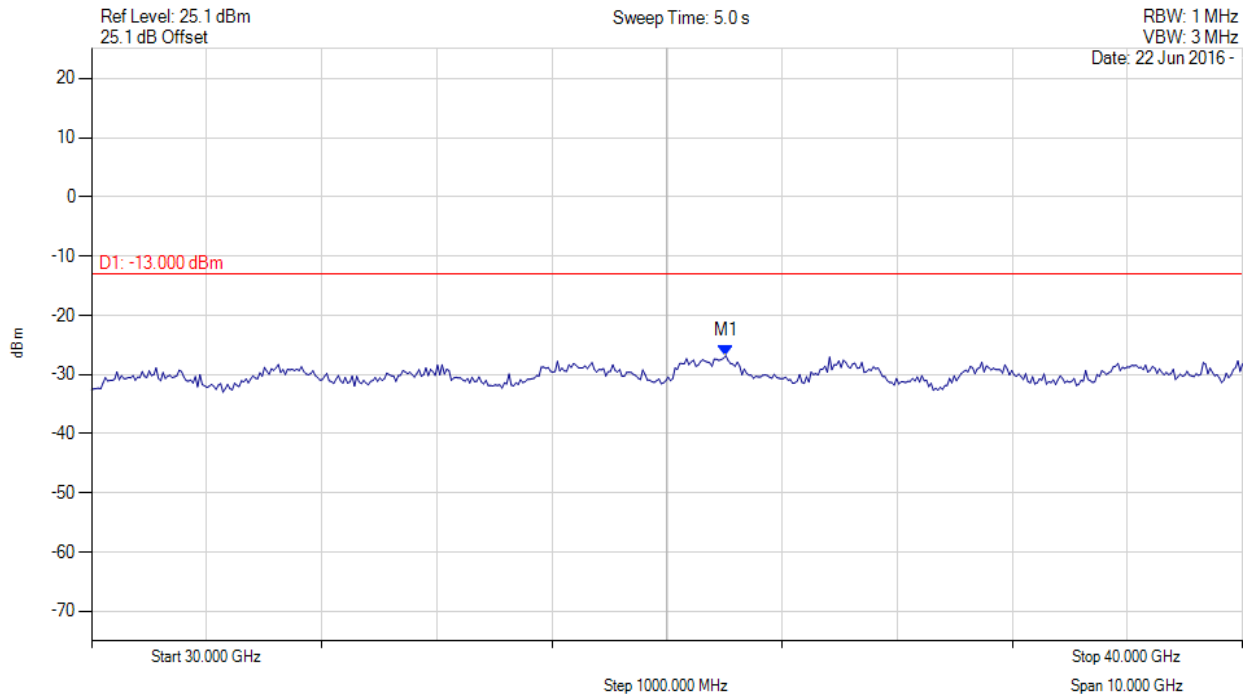


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 31.643 GHz : -27.027 dBm	Channel Frequency: 11.67 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30000-40000 MHz

Variant: 40MHz QPSK, Channel: 11.67 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.511 GHz : -26.809 dBm	Channel Frequency: 11.67 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

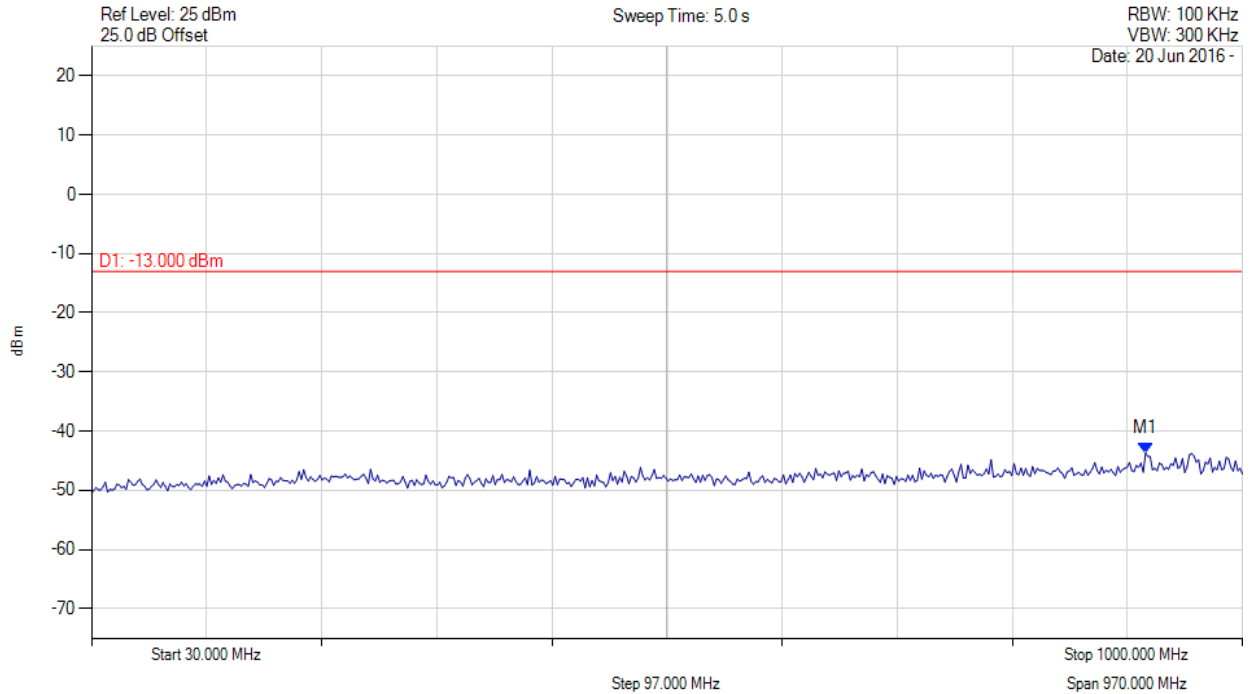


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 271 of 379



Unwanted Emissions 30-1000MHz

Variant: 50MHz QPSK, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

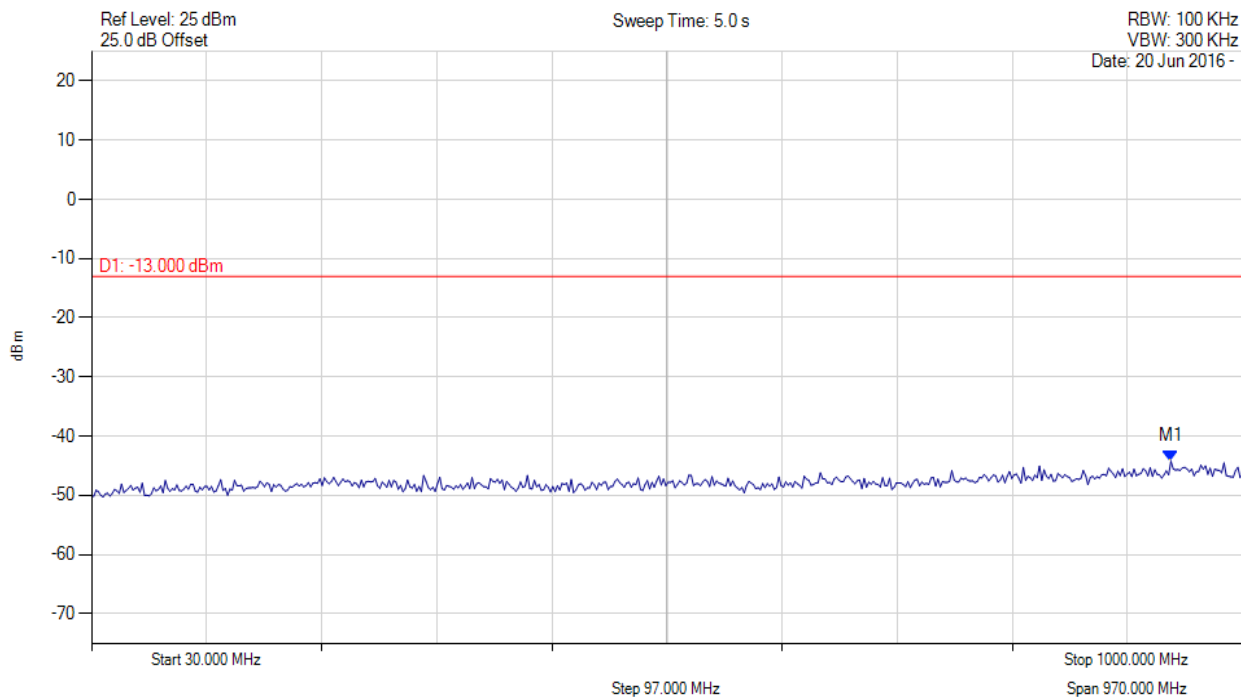


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 918.357 MHz : -43.682 dBm	Channel Frequency: 10.76 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 50MHz QPSK, Channel: 10.76 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 939.739 MHz : -44.229 dBm	Channel Frequency: 10.76 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

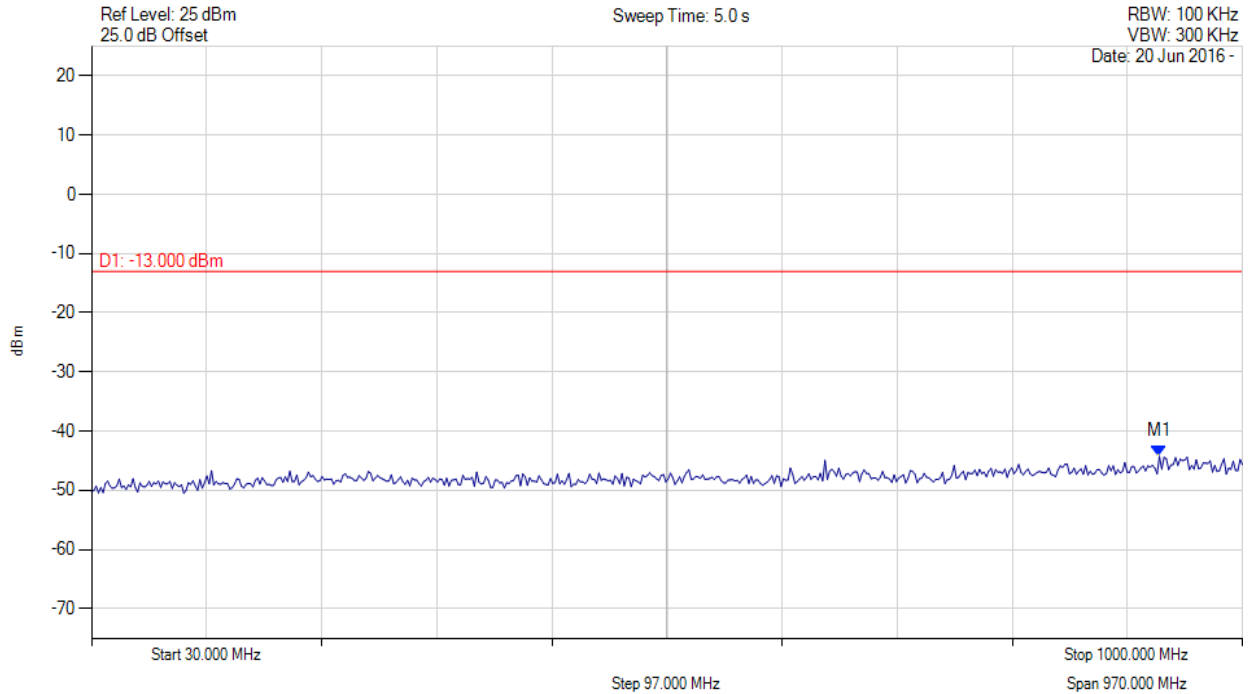


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 273 of 379



Unwanted Emissions 30-1000MHz

Variant: 50MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

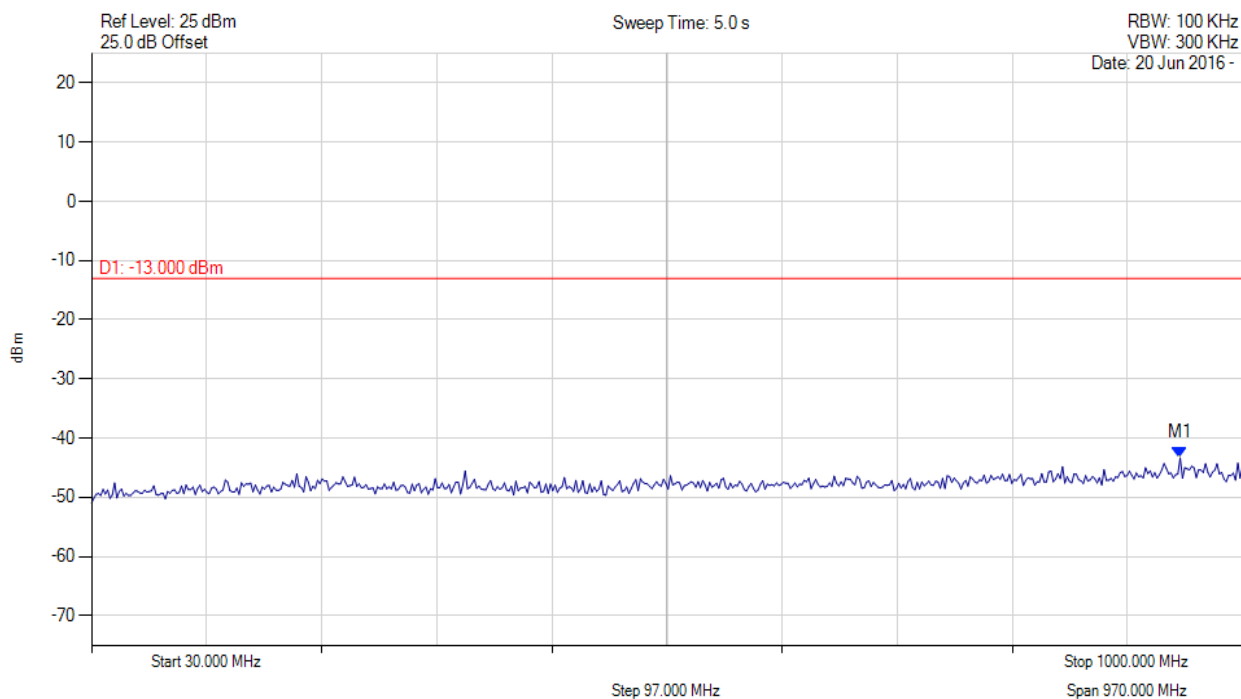


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 930.020 MHz : -44.239 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 50MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

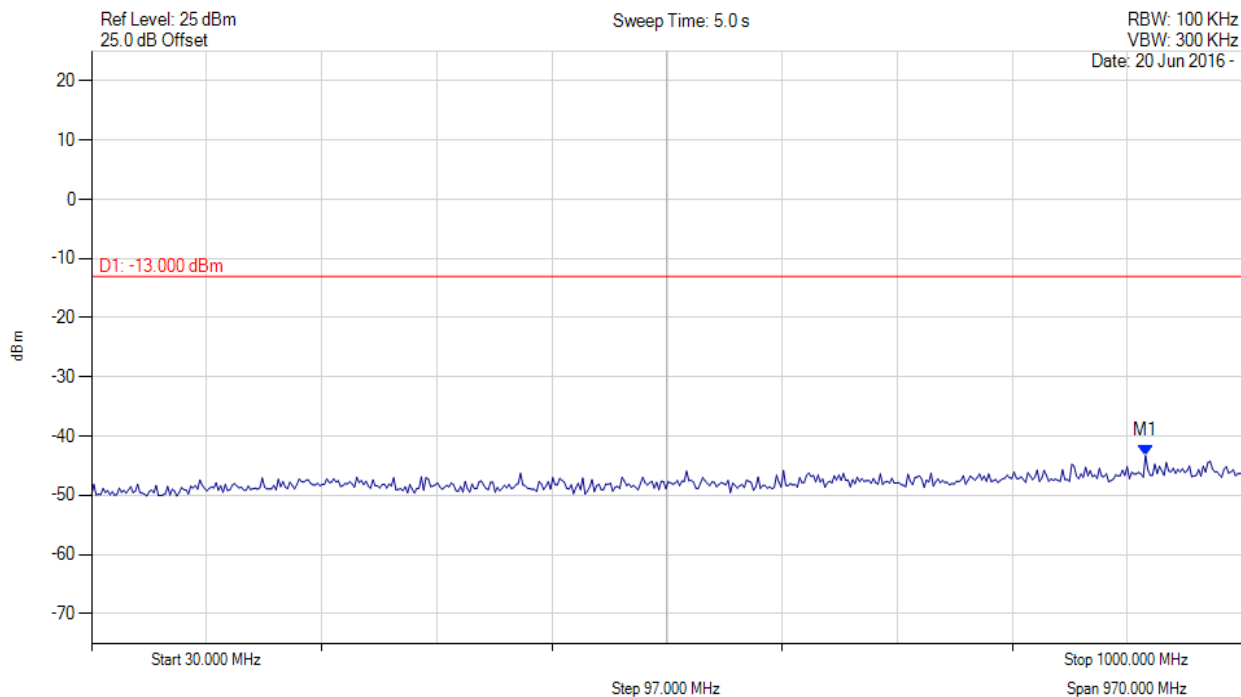


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 947.515 MHz : -43.336 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 50MHz QPSK, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 918.357 MHz : -43.259 dBm	Channel Frequency: 11.65 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

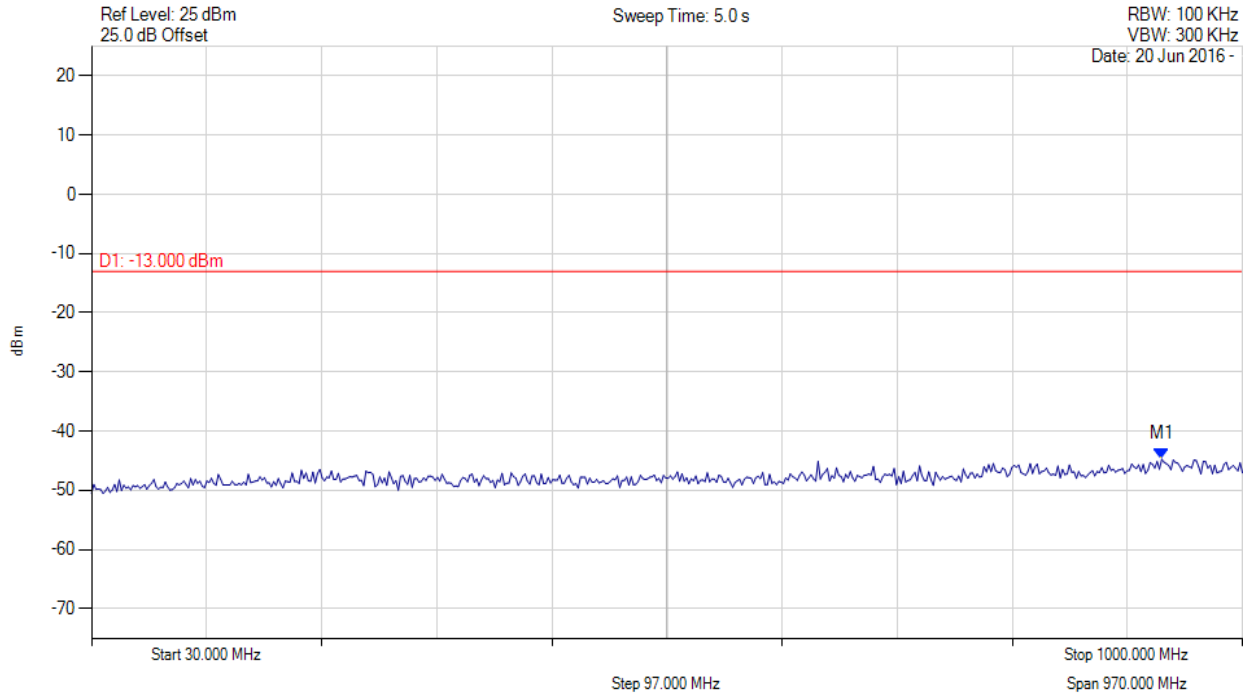


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 276 of 379



Unwanted Emissions 30-1000MHz

Variant: 50MHz QPSK, Channel: 11.65 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

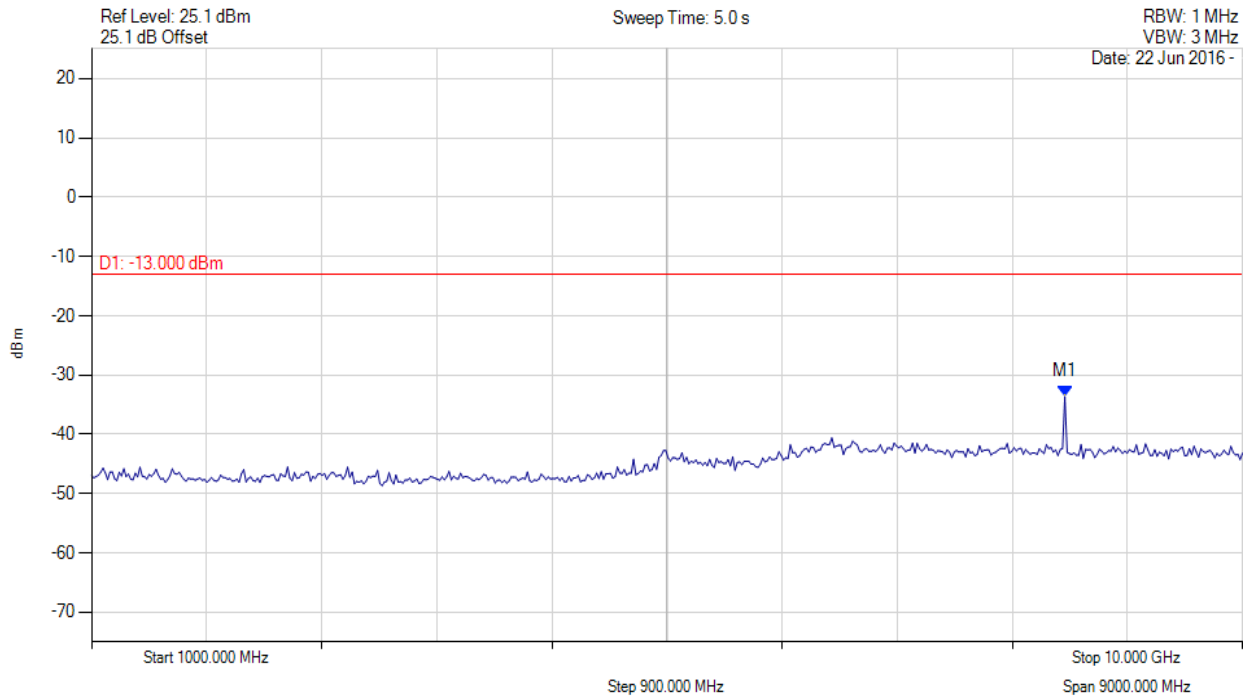


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 931.964 MHz : -44.717 dBm	Channel Frequency: 11.65 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 1000-10000 MHz

Variant: 50MHz QPSK, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

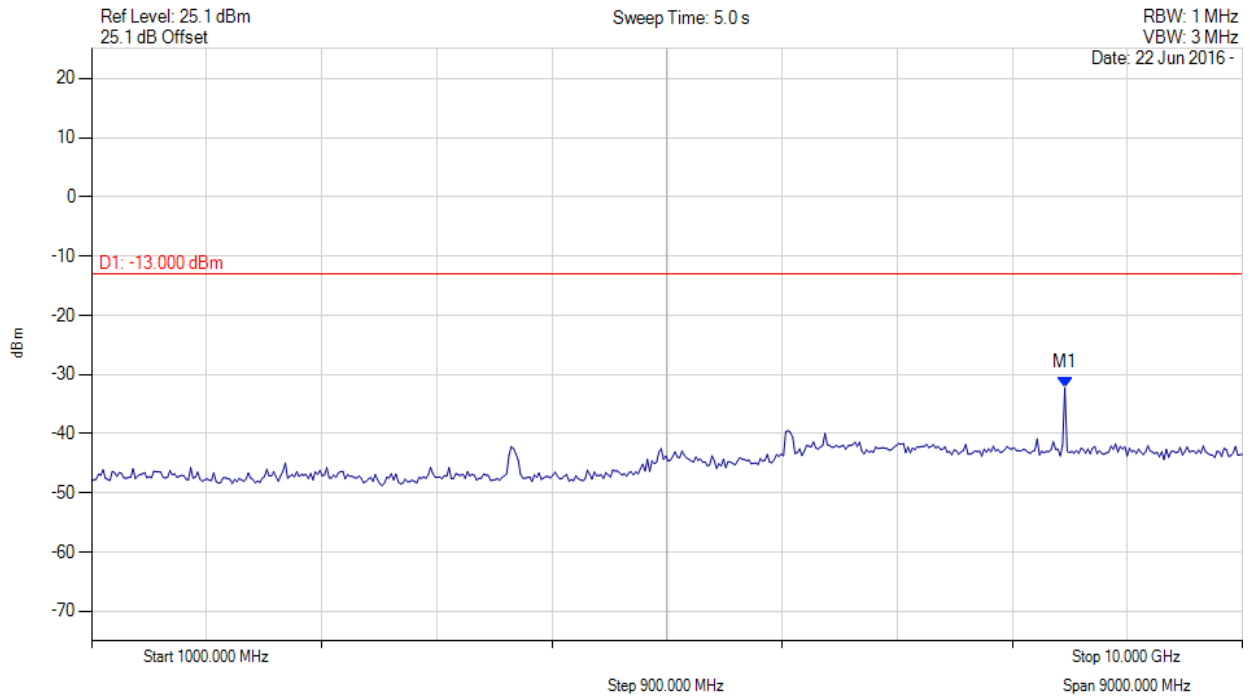


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8611.222 MHz : -33.631 dBm	Channel Frequency: 10.76 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 1000-10000 MHz

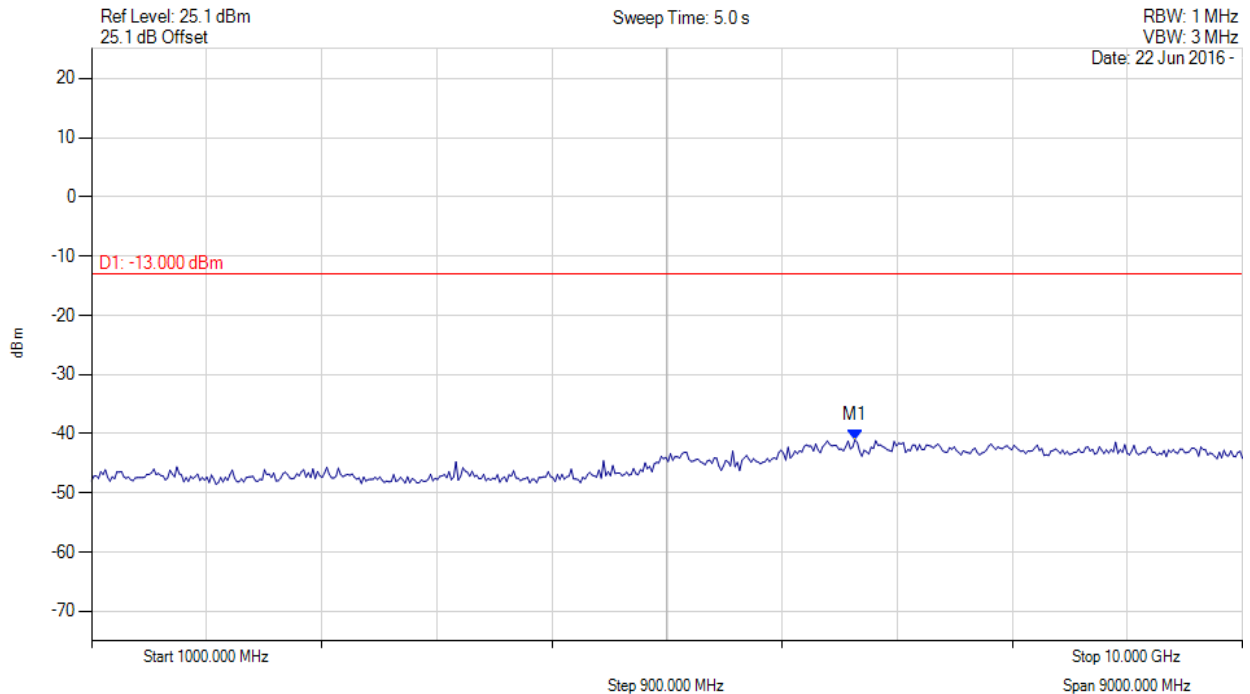
Variant: 50MHz QPSK, Channel: 10.76 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8611.222 MHz : -32.223 dBm	Channel Frequency: 10.76 GHz

Unwanted Emissions 1000-10000 MHz

Variant: 50MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 6969.940 MHz : -41.011 dBm	Channel Frequency: 11.22 GHz

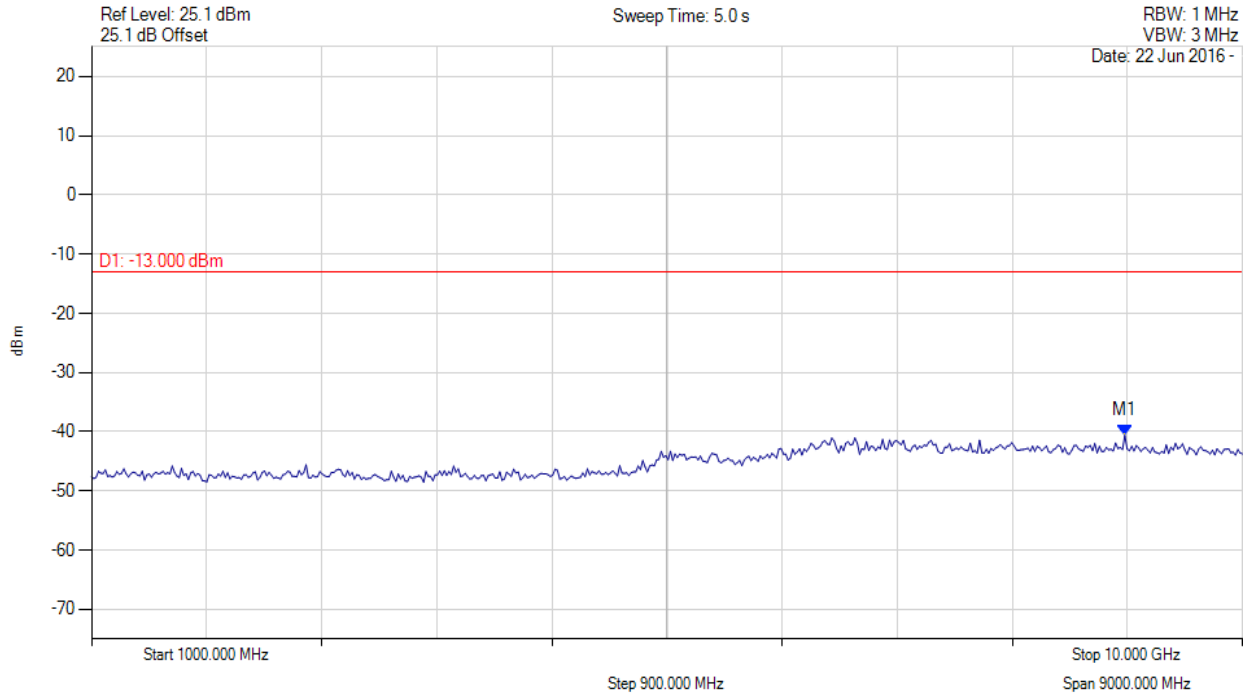


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 280 of 379



Unwanted Emissions 1000-10000 MHz

Variant: 50MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9080.160 MHz : -40.568 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

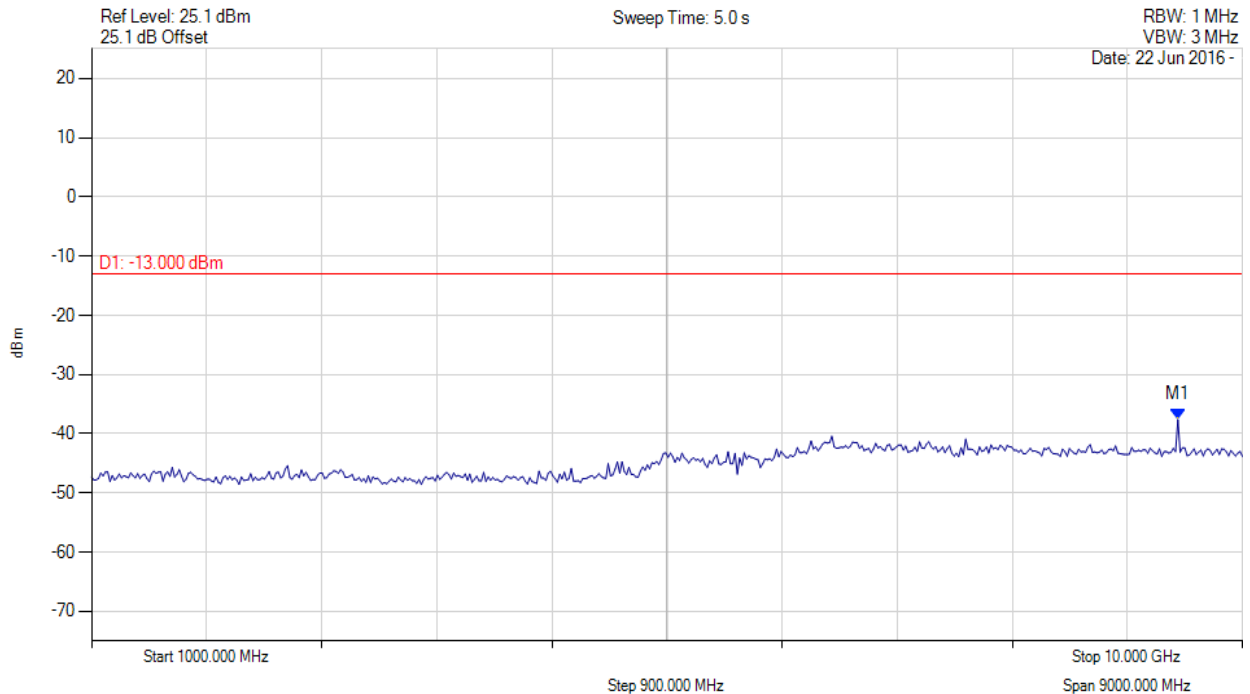


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 281 of 379



Unwanted Emissions 1000-10000 MHz

Variant: 50MHz QPSK, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9494.990 MHz : -37.598 dBm	Channel Frequency: 11.65 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

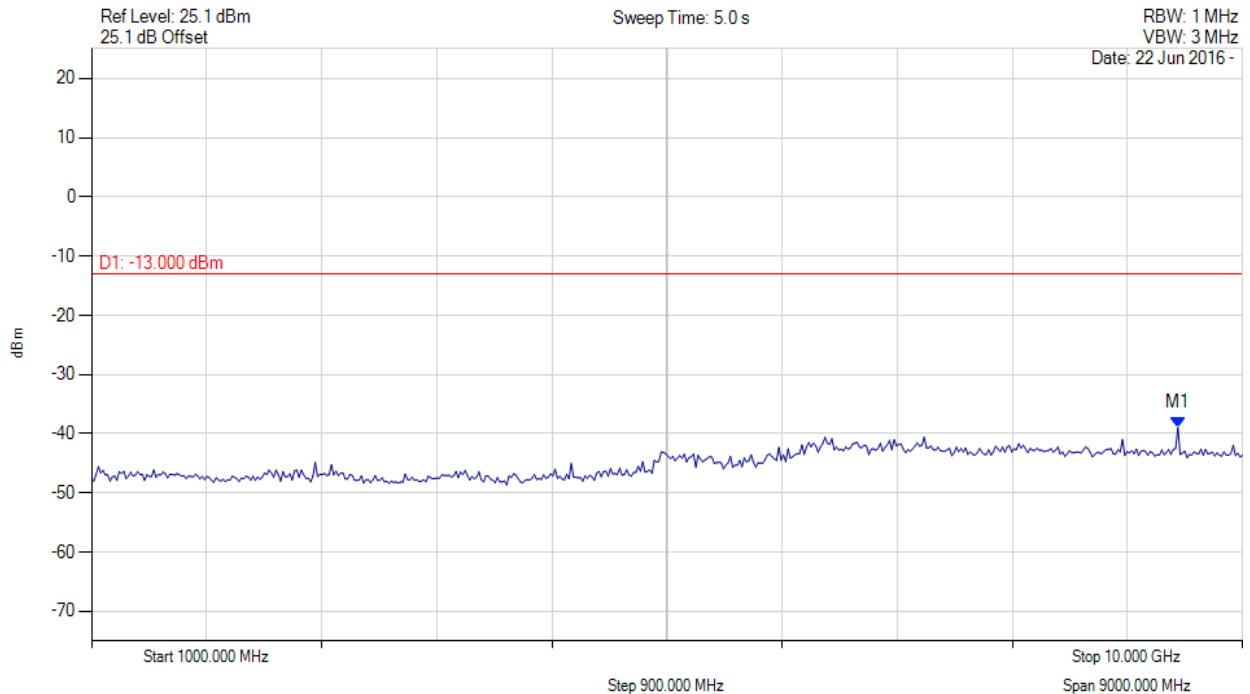


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 282 of 379



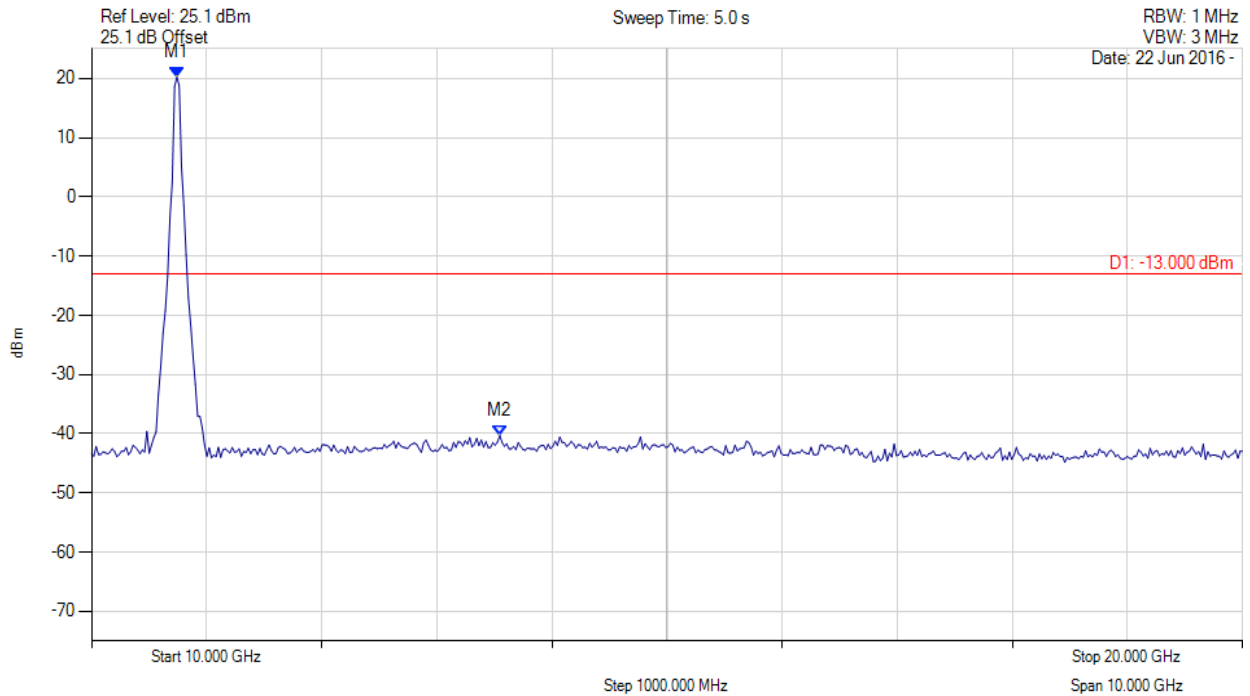
Unwanted Emissions 1000-10000 MHz

Variant: 50MHz QPSK, Channel: 11.65 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

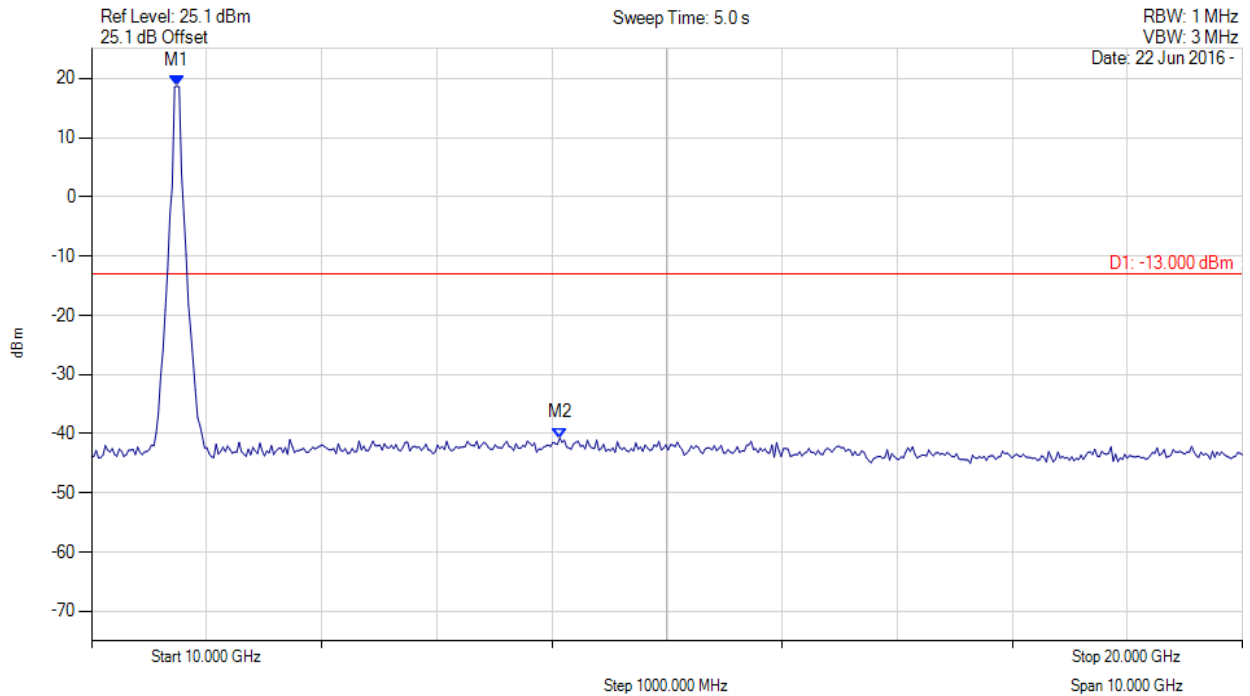


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9494.990 MHz : -38.975 dBm	Channel Frequency: 11.65 GHz

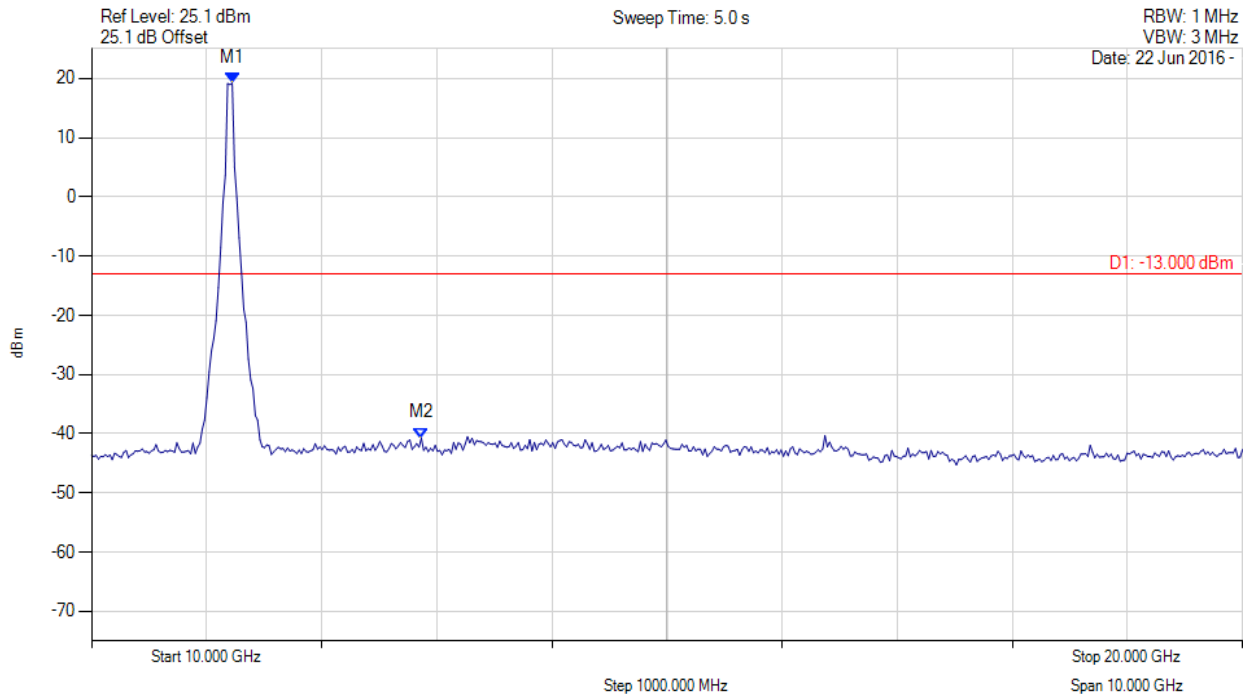
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



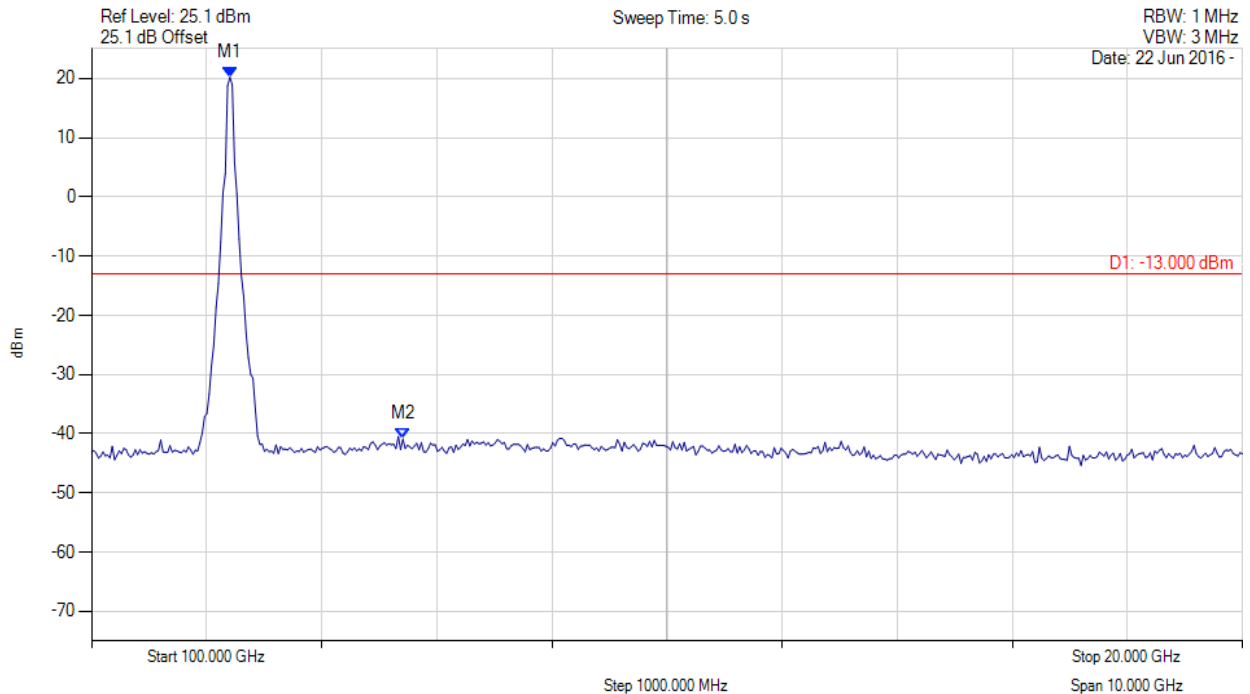
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 10.741 GHz : 20.211 dBm M2 : 13.547 GHz : -40.295 dBm	Channel Frequency: 10.76 GHz



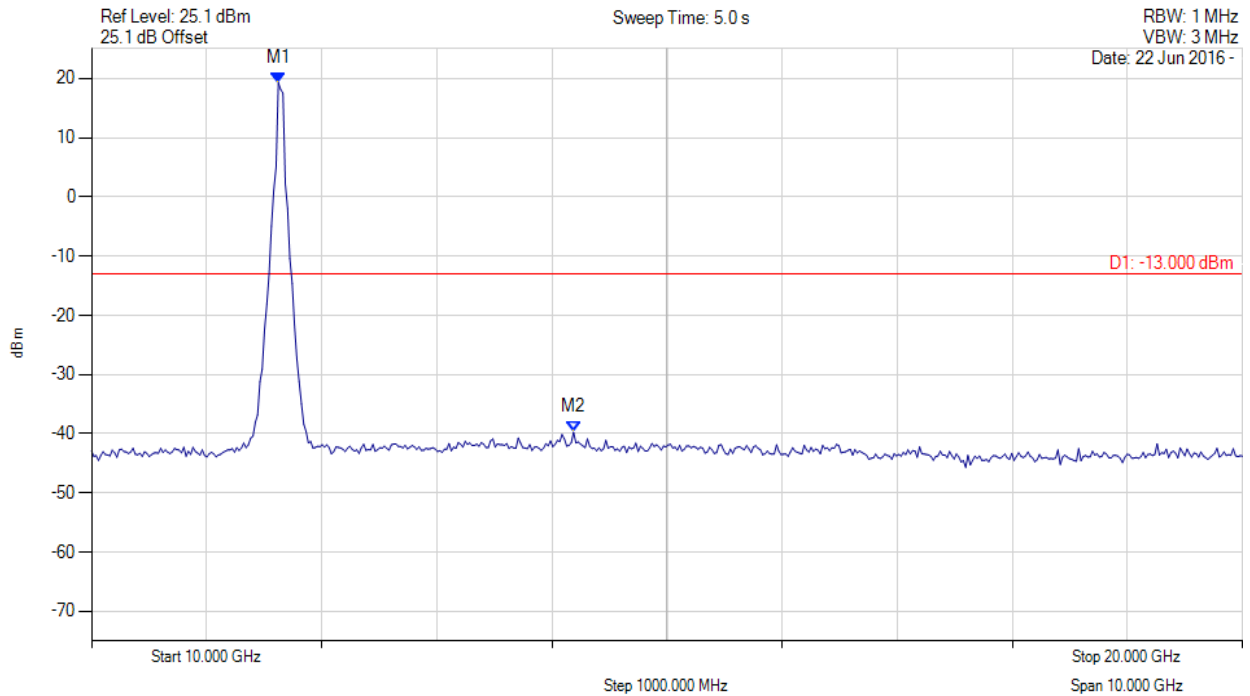
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 10.741 GHz : 18.724 dBm M2 : 14.068 GHz : -40.704 dBm	Channel Frequency: 10.76 GHz



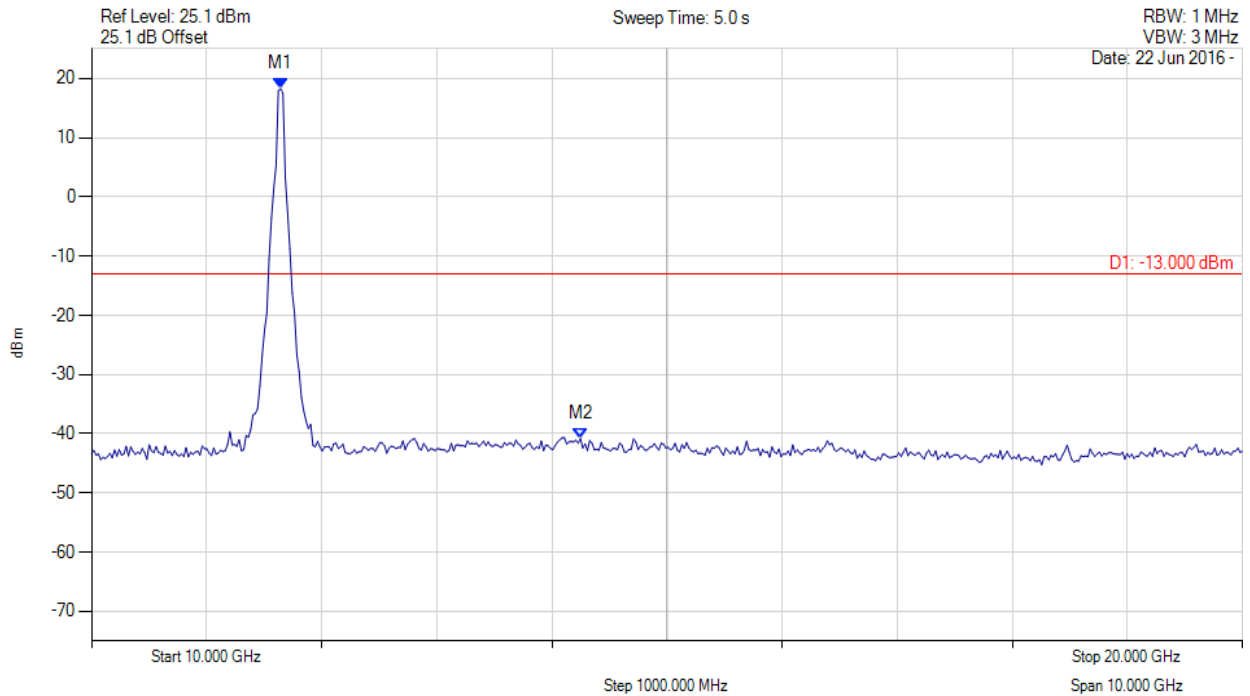
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.222 GHz : 19.229 dBm M2 : 12.866 GHz : -40.726 dBm	Channel Frequency: 11.22 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.202 GHz : 20.184 dBm M2 : 12.705 GHz : -40.879 dBm	Channel Frequency: 11.22 GHz



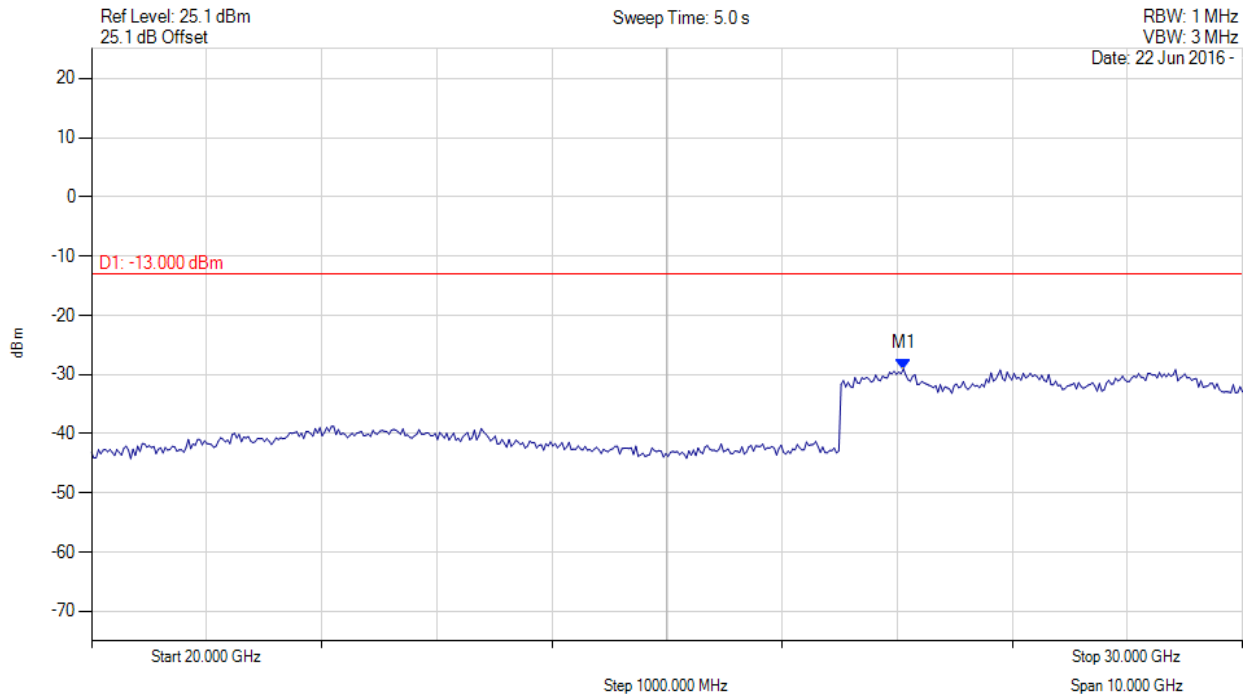
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.623 GHz : 19.296 dBm M2 : 14.188 GHz : -39.724 dBm	Channel Frequency: 11.65 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.643 GHz : 18.269 dBm M2 : 14.248 GHz : -40.812 dBm	Channel Frequency: 11.65 GHz

Unwanted Emissions 20000-30000 MHz

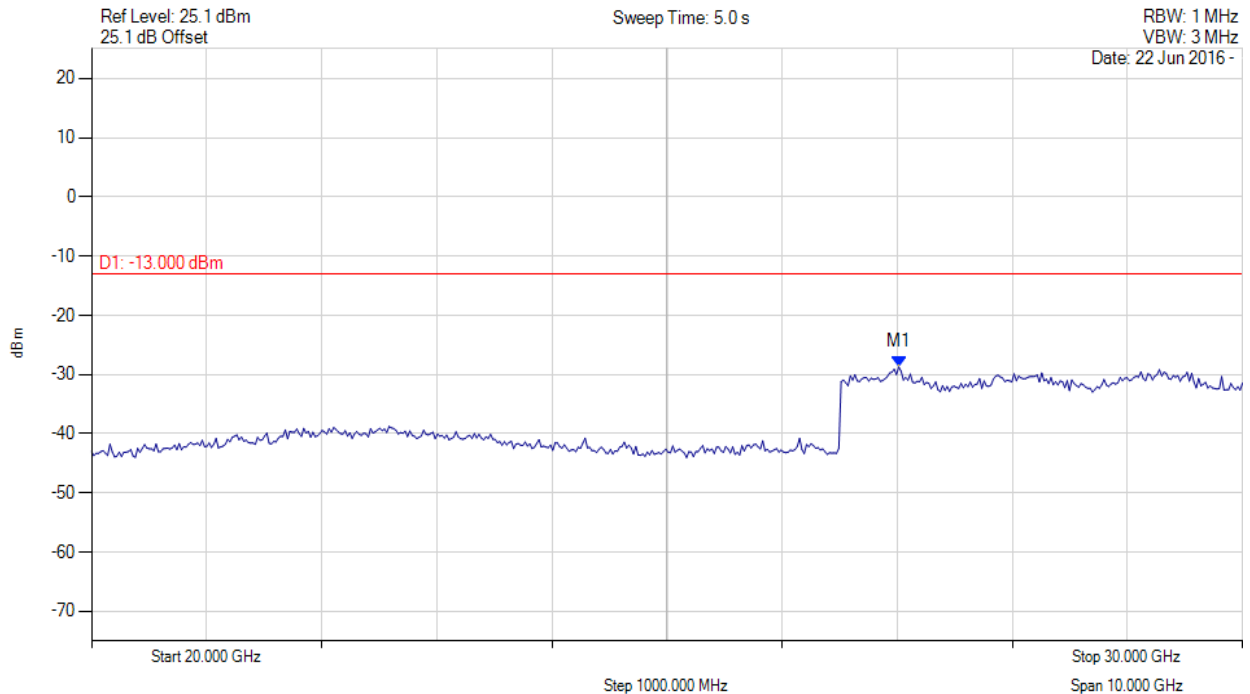
Variant: 50MHz QPSK, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 27.054 GHz : -29.036 dBm	Channel Frequency: 10.76 GHz

Unwanted Emissions 20000-30000 MHz

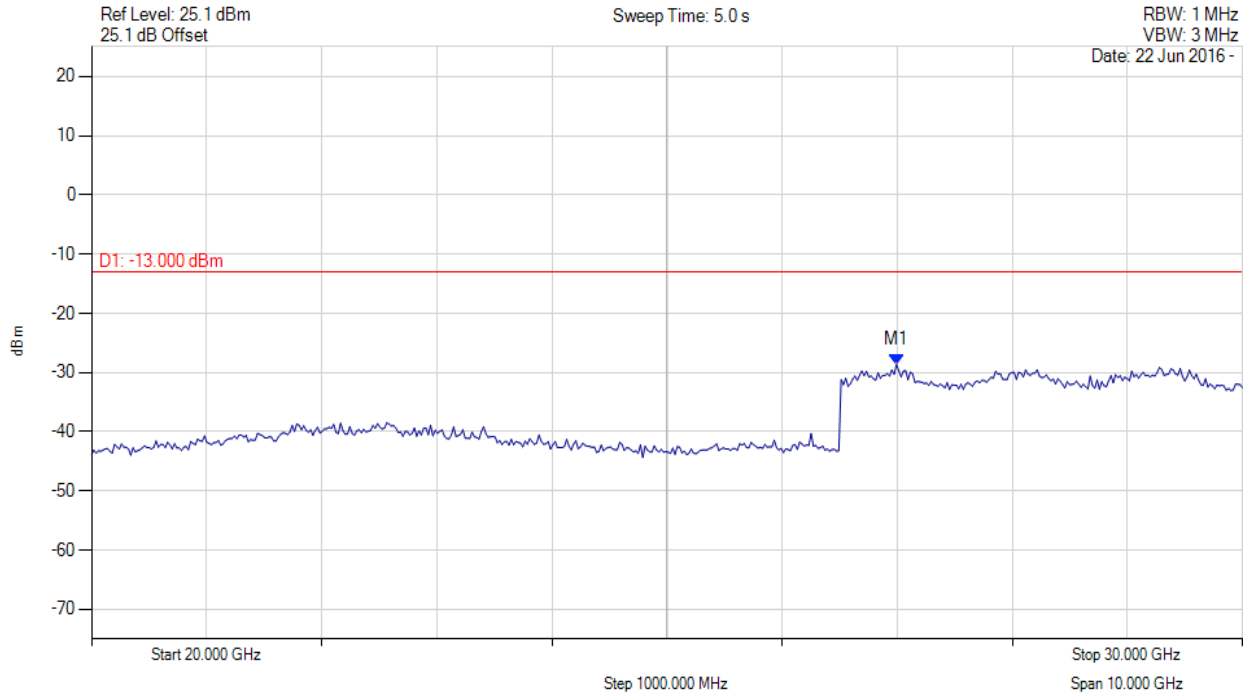
Variant: 50MHz QPSK, Channel: 10.76 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 27.014 GHz : -28.701 dBm	Channel Frequency: 10.76 GHz

Unwanted Emissions 20000-30000 MHz

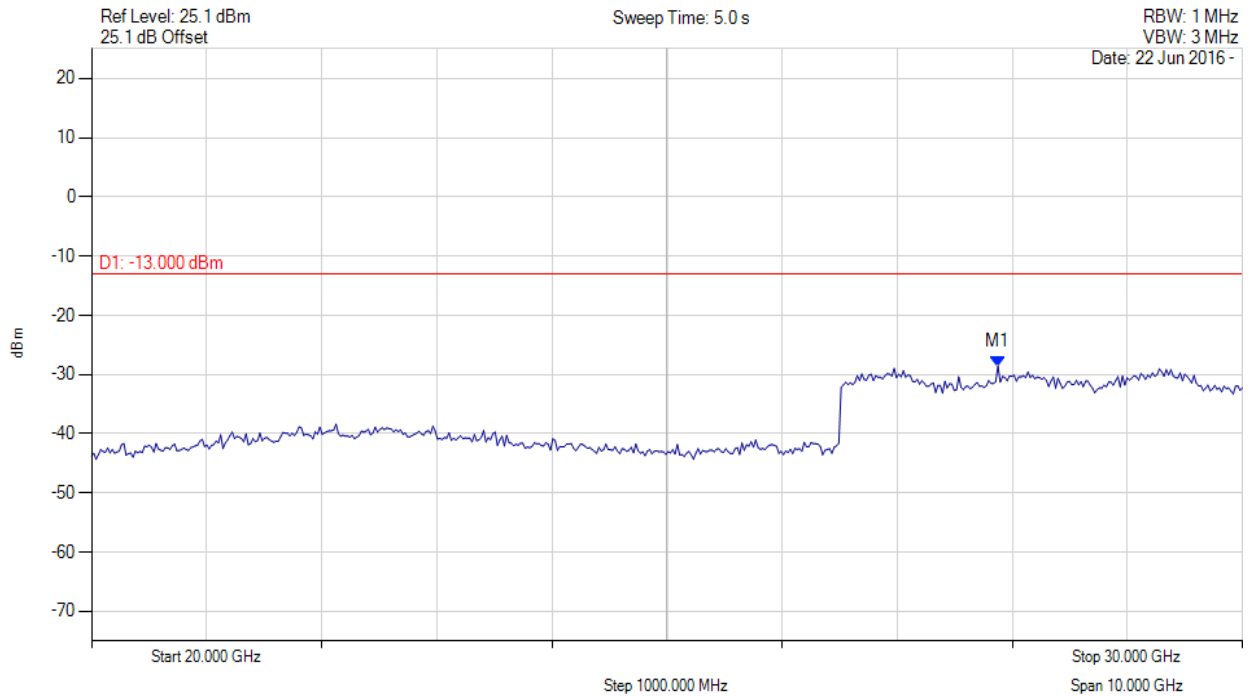
Variant: 50MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.994 GHz : -28.644 dBm	Channel Frequency: 11.22 GHz

Unwanted Emissions 20000-30000 MHz

Variant: 50MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 27.876 GHz : -28.591 dBm	Channel Frequency: 11.22 GHz

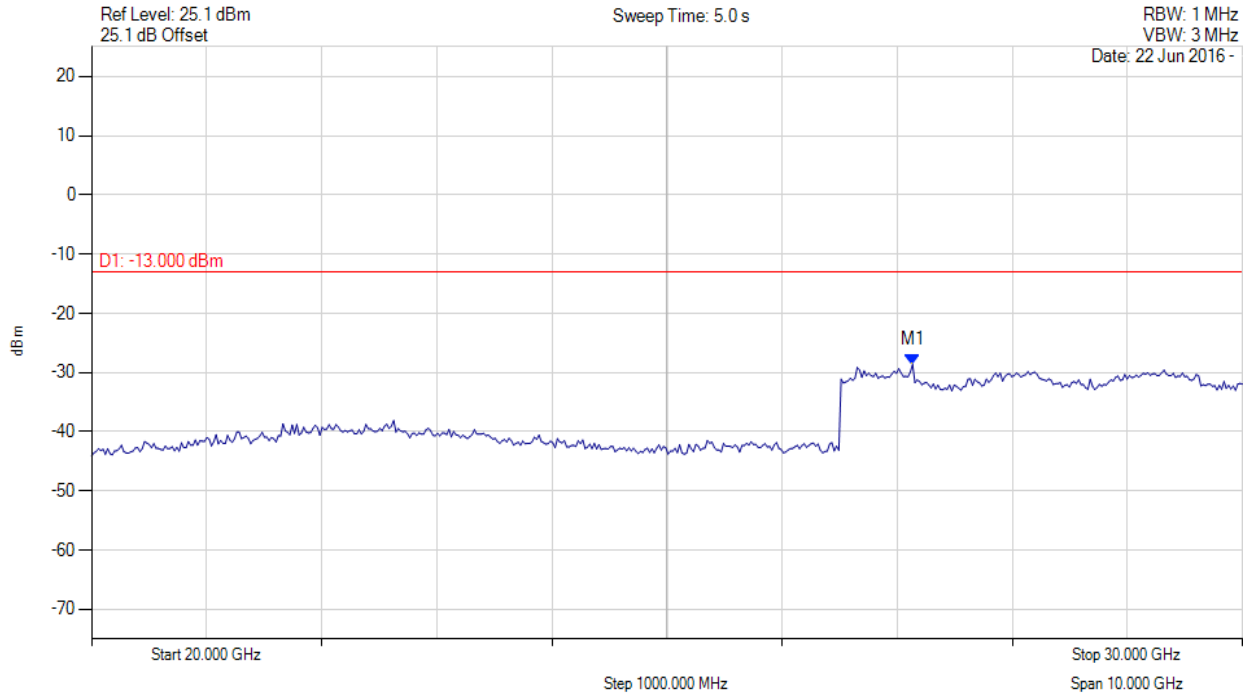


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 293 of 379



Unwanted Emissions 20000-30000 MHz

Variant: 50MHz QPSK, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

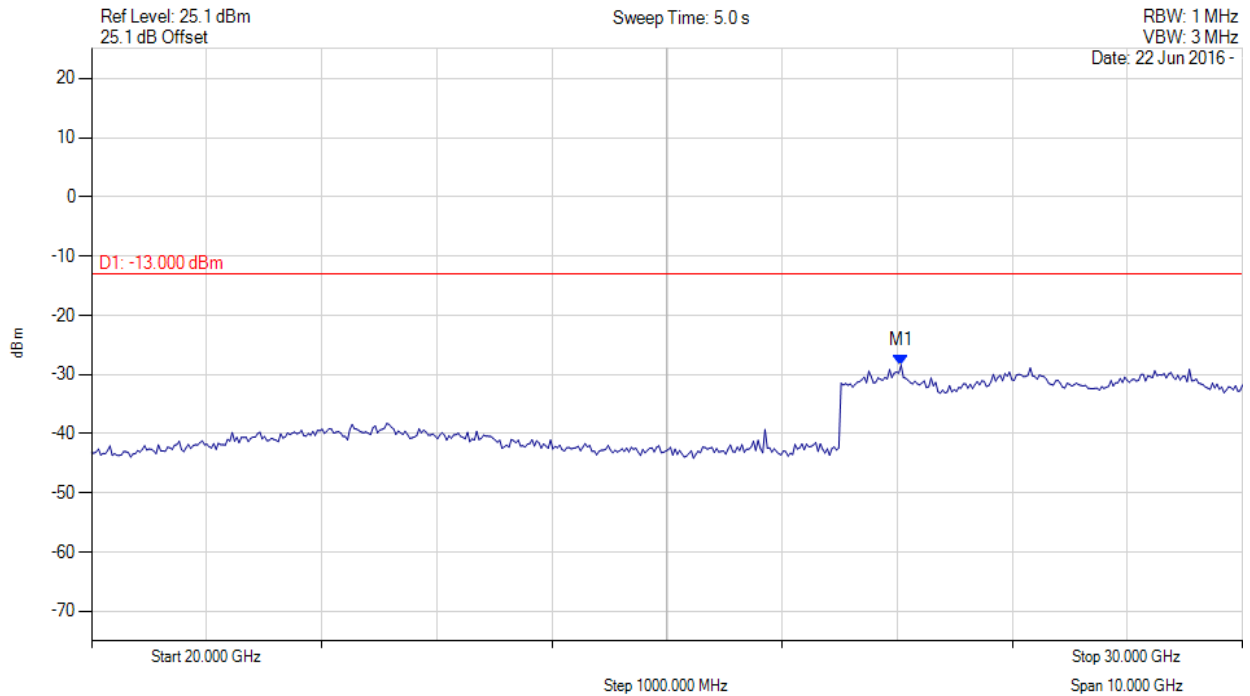


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 27.134 GHz : -28.632 dBm	Channel Frequency: 11.65 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 20000-30000 MHz

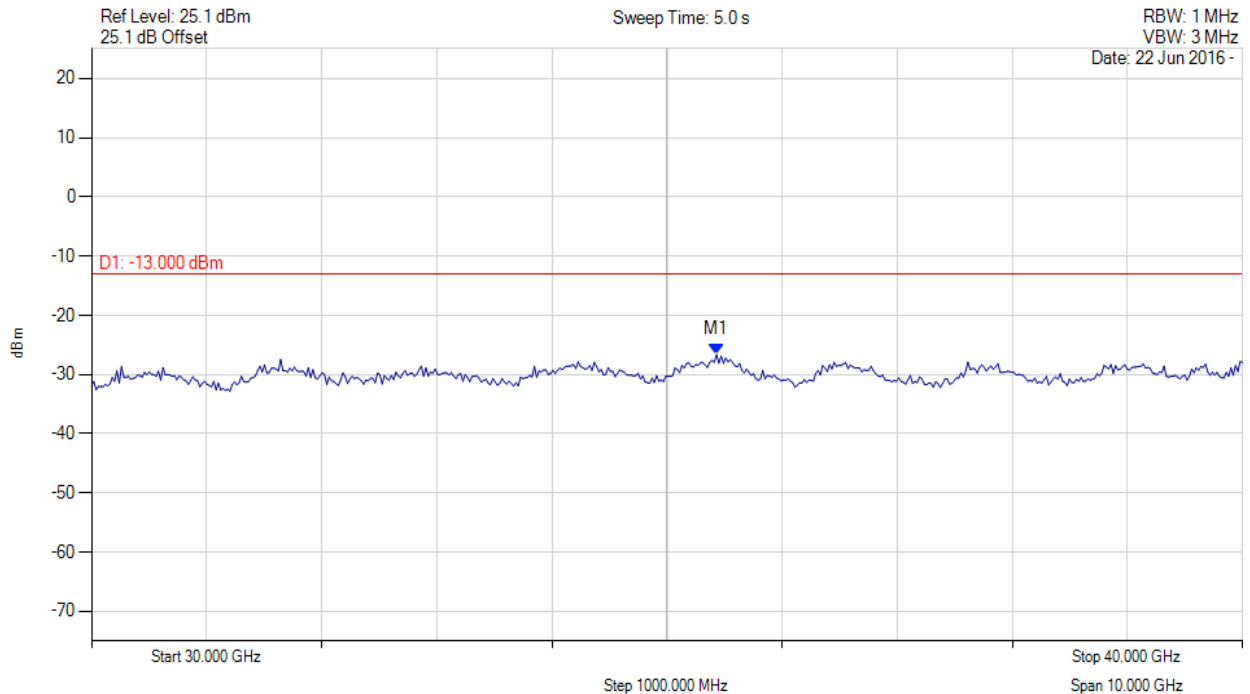
Variant: 50MHz QPSK, Channel: 11.65 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 27.034 GHz : -28.408 dBm	Channel Frequency: 11.65 GHz

Unwanted Emissions 30000-40000 MHz

Variant: 50MHz QPSK, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

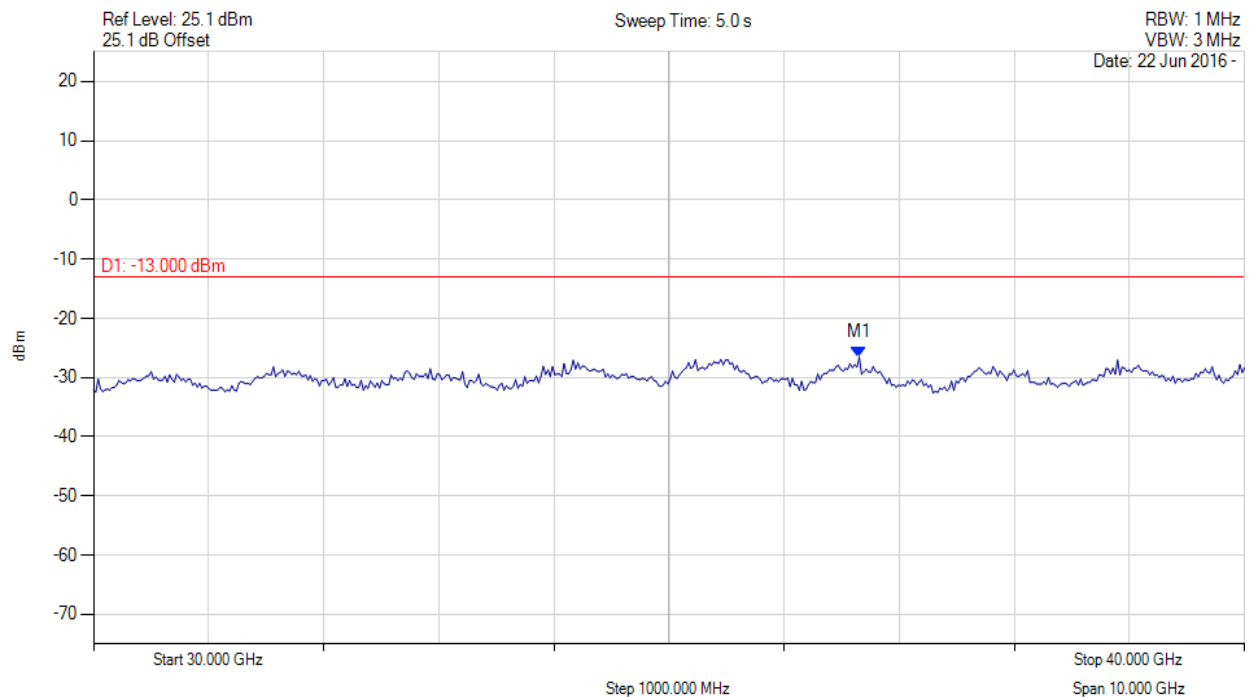


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.431 GHz : -26.643 dBm	Channel Frequency: 10.76 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30000-40000 MHz

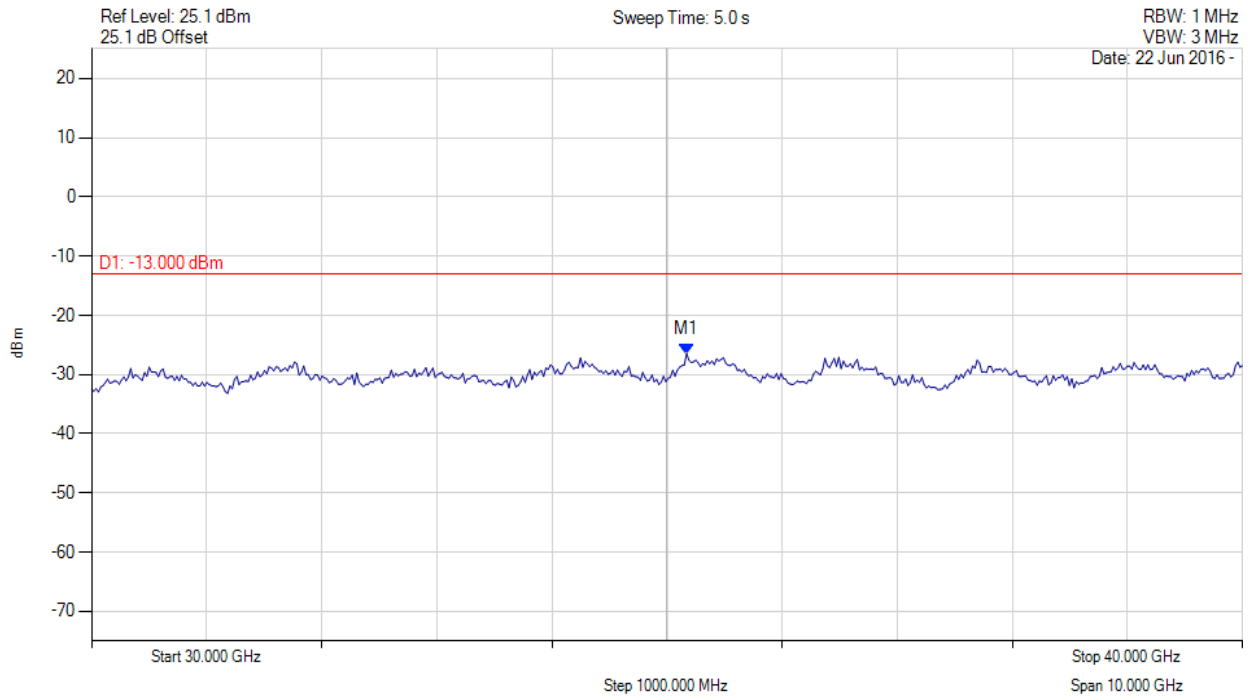
Variant: 50MHz QPSK, Channel: 10.76 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 36.653 GHz : -26.555 dBm	Channel Frequency: 10.76 GHz

Unwanted Emissions 30000-40000 MHz

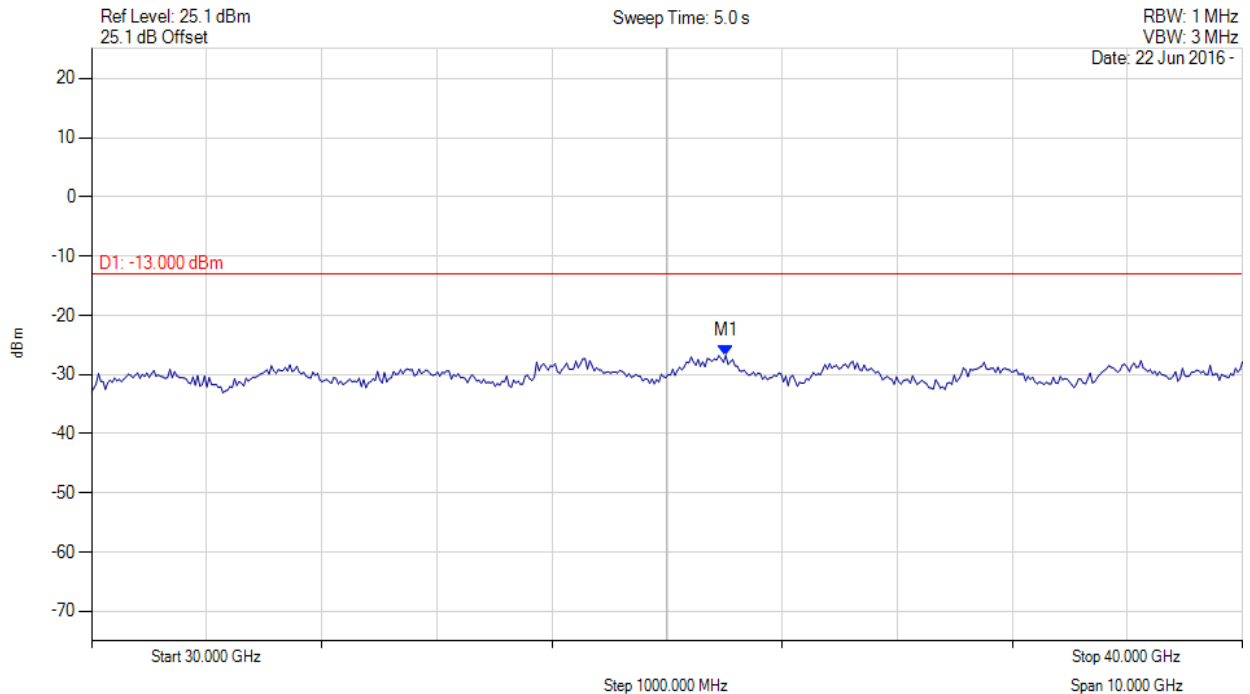
Variant: 50MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.170 GHz : -26.476 dBm	Channel Frequency: 11.22 GHz

Unwanted Emissions 30000-40000 MHz

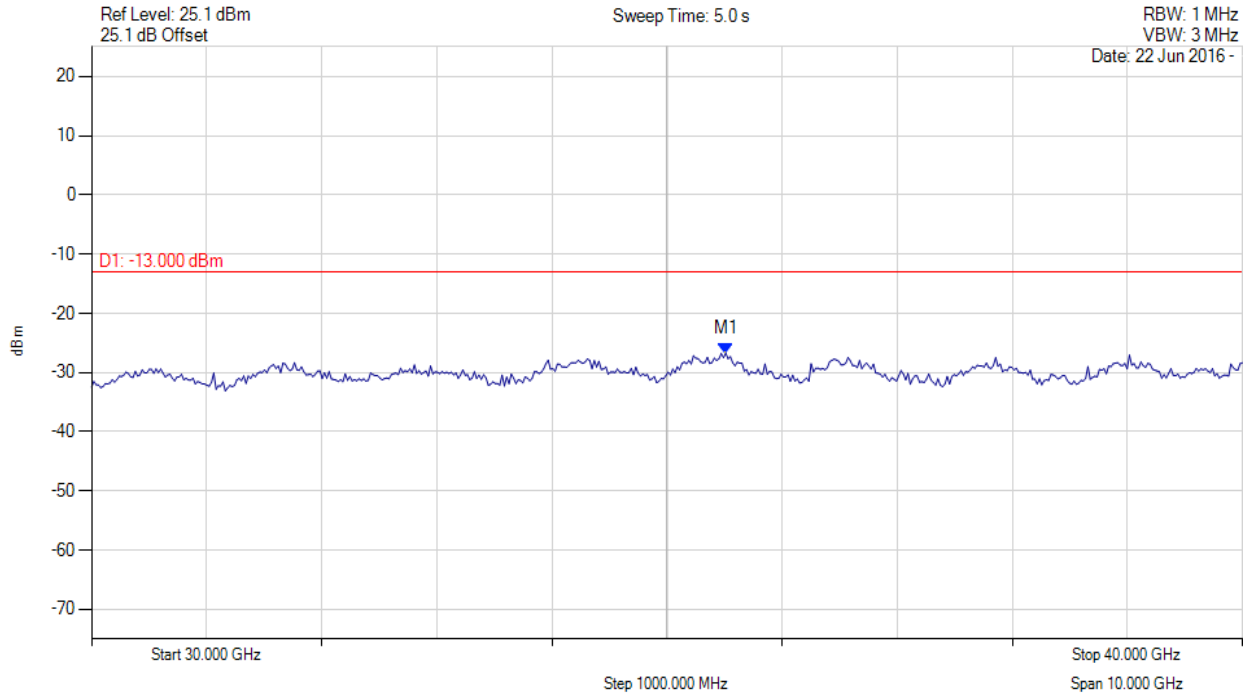
Variant: 50MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.511 GHz : -26.793 dBm	Channel Frequency: 11.22 GHz

Unwanted Emissions 30000-40000 MHz

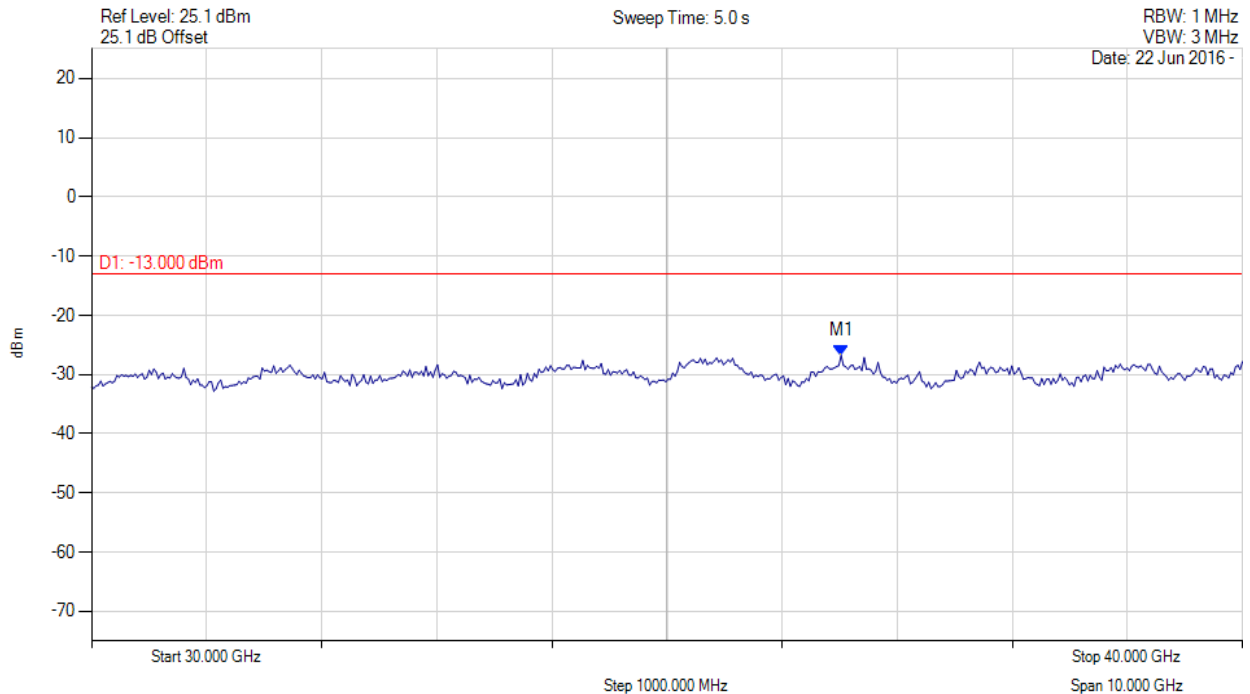
Variant: 50MHz QPSK, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.511 GHz : -26.734 dBm	Channel Frequency: 11.65 GHz

Unwanted Emissions 30000-40000 MHz

Variant: 50MHz QPSK, Channel: 11.65 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 36.513 GHz : -26.761 dBm	Channel Frequency: 11.65 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

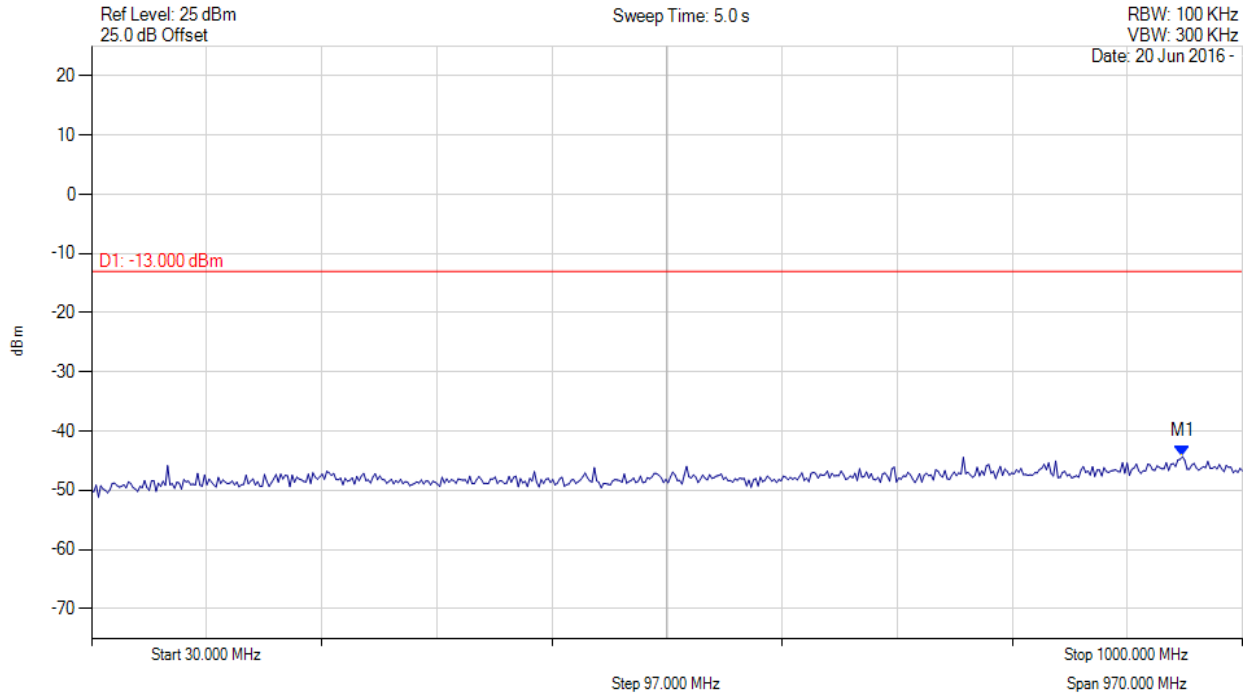


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 301 of 379



Unwanted Emissions 30-1000MHz

Variant: 56MHz QPSK, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 949.459 MHz : -44.286 dBm	Channel Frequency: 10.76 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

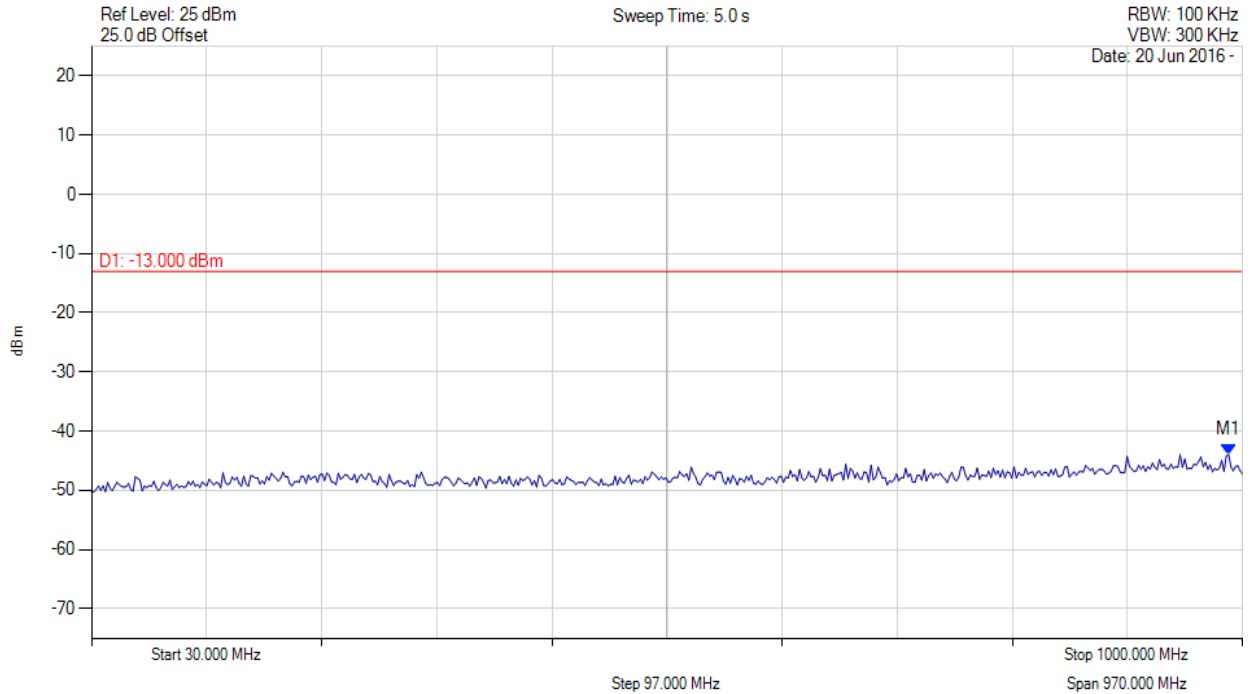


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 302 of 379



Unwanted Emissions 30-1000MHz

Variant: 56MHz QPSK, Channel: 10.76 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

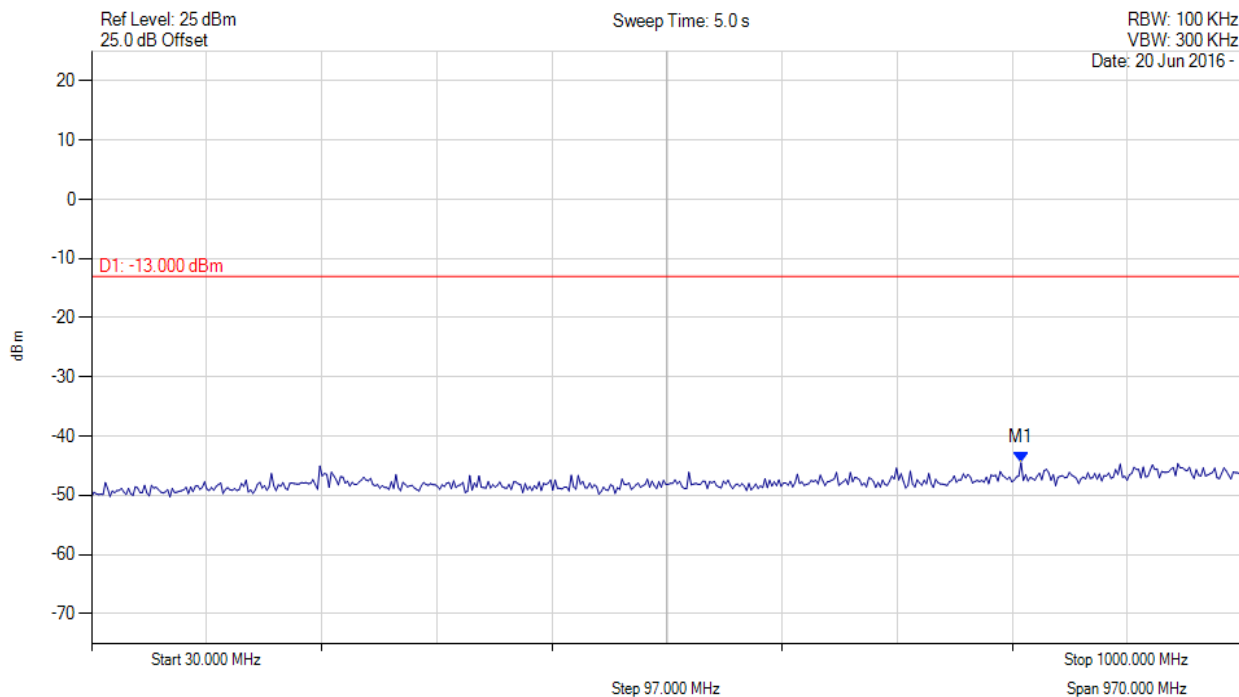


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 988.337 MHz : -43.950 dBm	Channel Frequency: 10.76 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 56MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

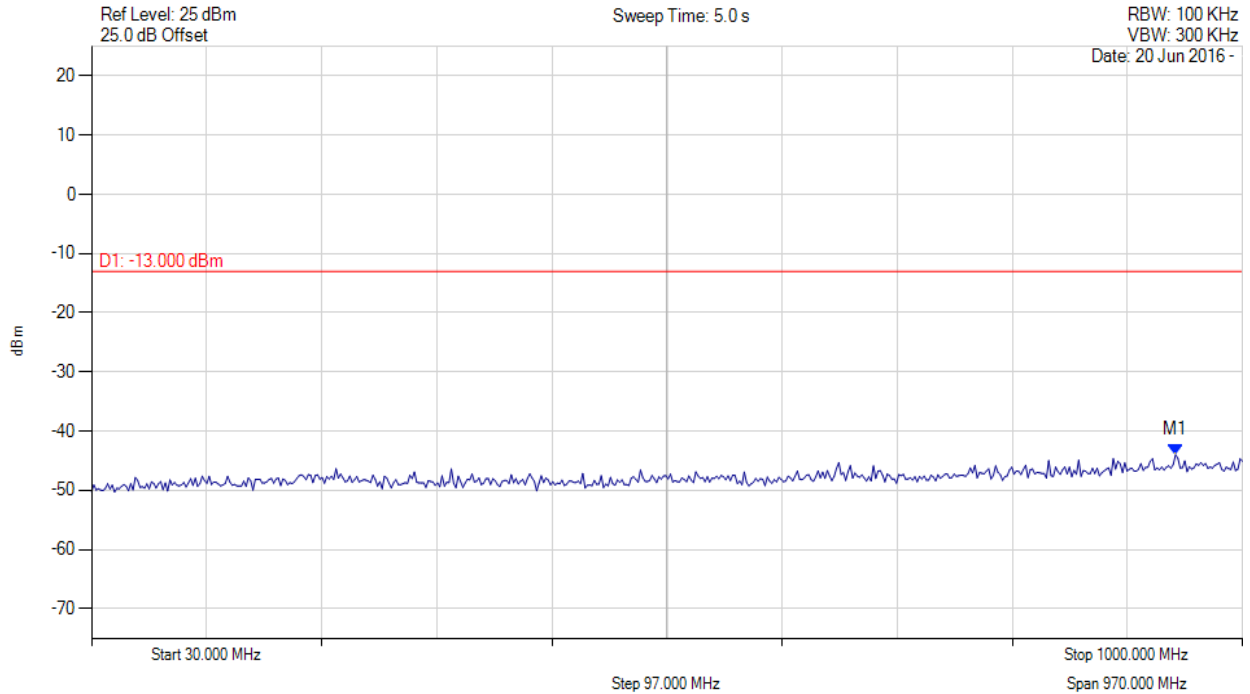


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 813.387 MHz : -44.461 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 30-1000MHz

Variant: 56MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 943.627 MHz : -43.985 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

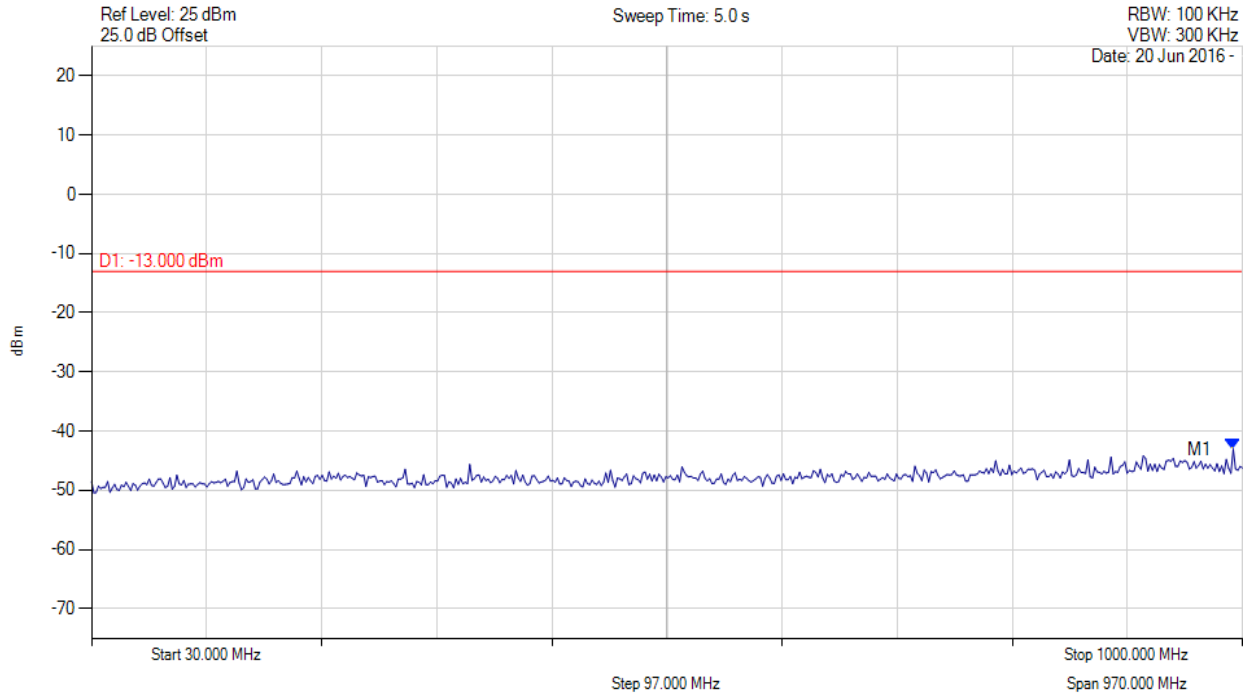


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 305 of 379



Unwanted Emissions 30-1000MHz

Variant: 56MHz QPSK, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 992.224 MHz : -43.029 dBm	Channel Frequency: 11.65 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

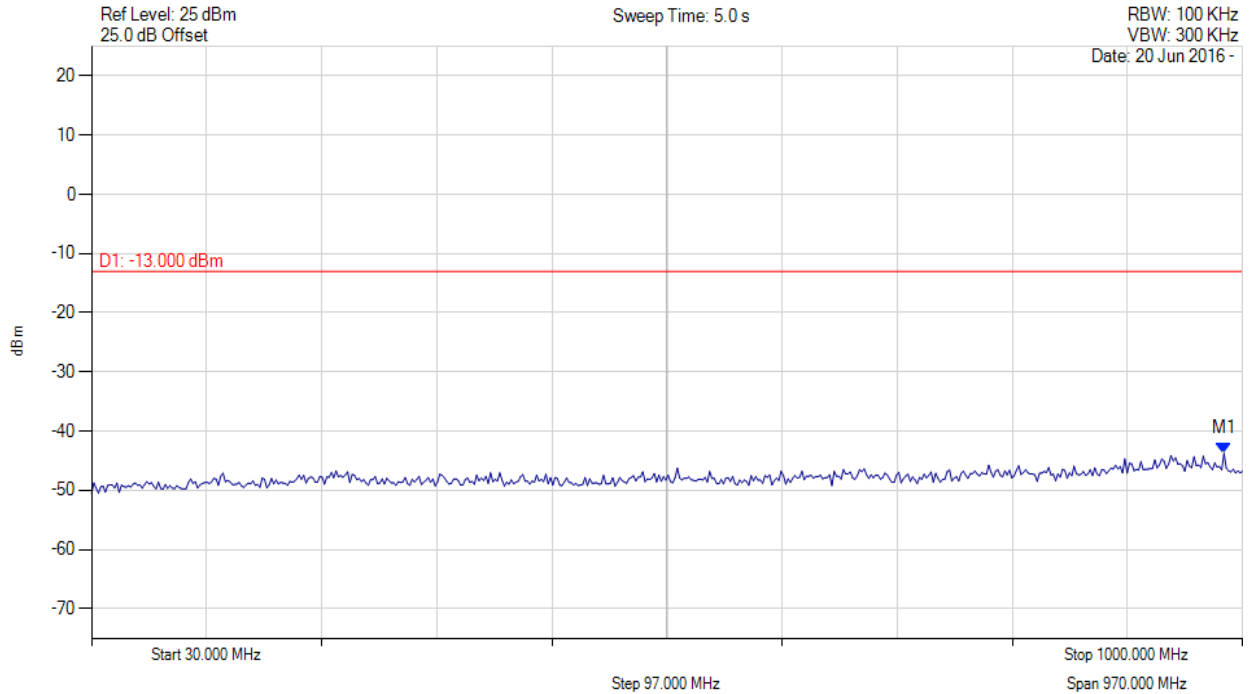


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 306 of 379



Unwanted Emissions 30-1000MHz

Variant: 56MHz QPSK, Channel: 11.65 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

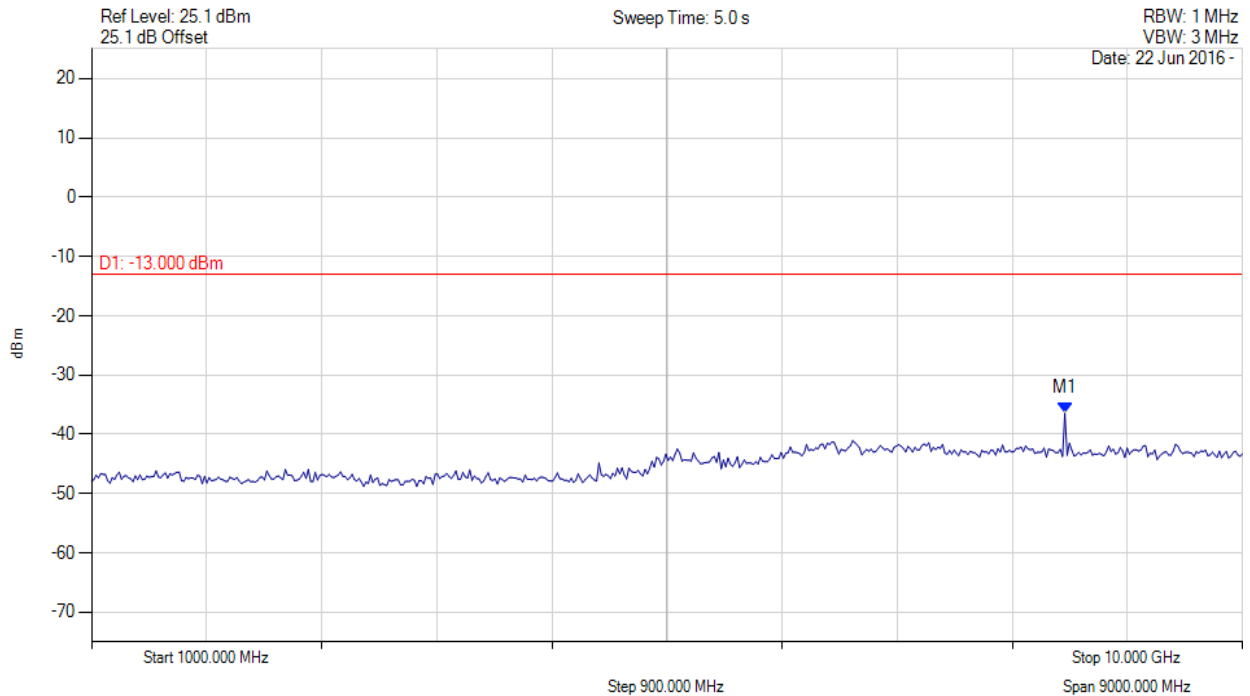


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 984.449 MHz : -43.745 dBm	Channel Frequency: 11.65 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 1000-10000 MHz

Variant: 56MHz QPSK, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8611.222 MHz : -36.423 dBm	Channel Frequency: 10.76 GHz

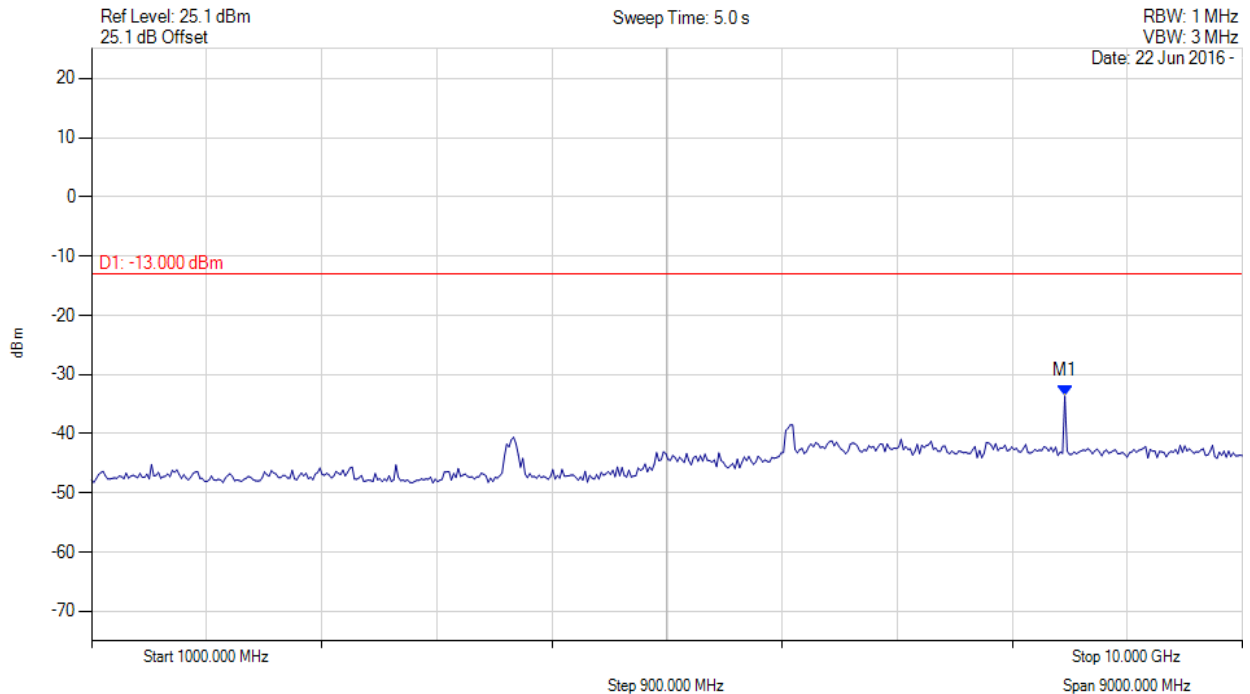


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 308 of 379



Unwanted Emissions 1000-10000 MHz

Variant: 56MHz QPSK, Channel: 10.76 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc

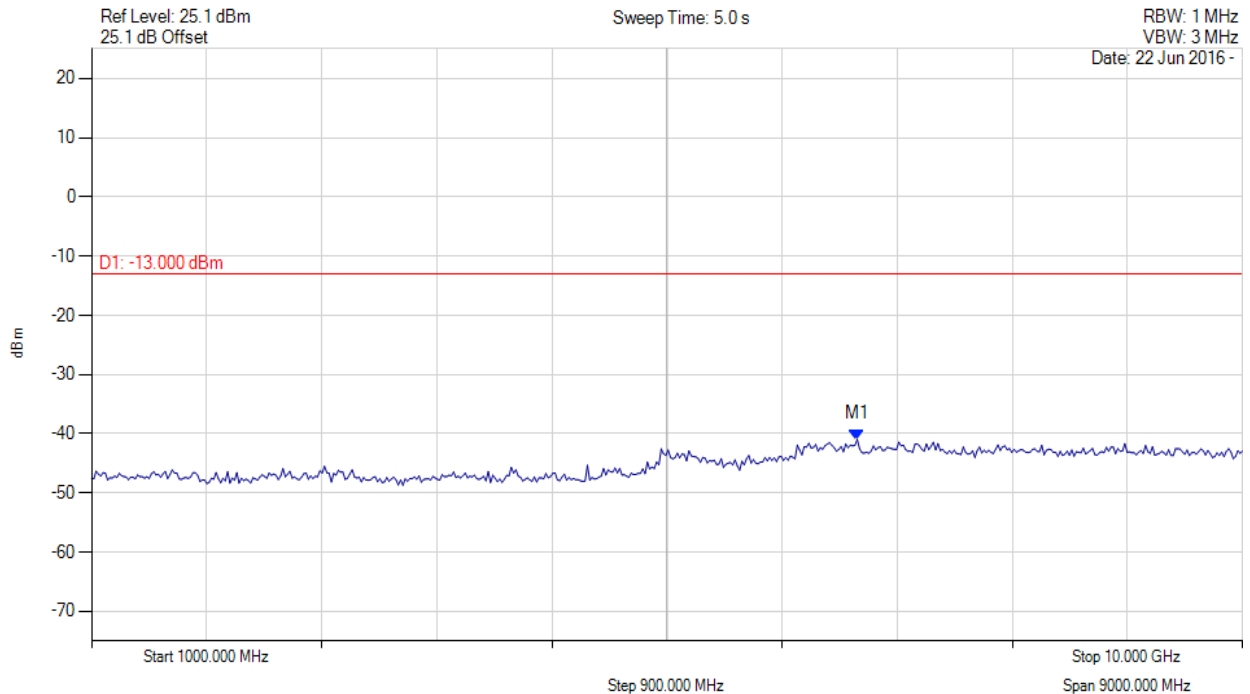


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8611.222 MHz : -33.616 dBm	Channel Frequency: 10.76 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 1000-10000 MHz

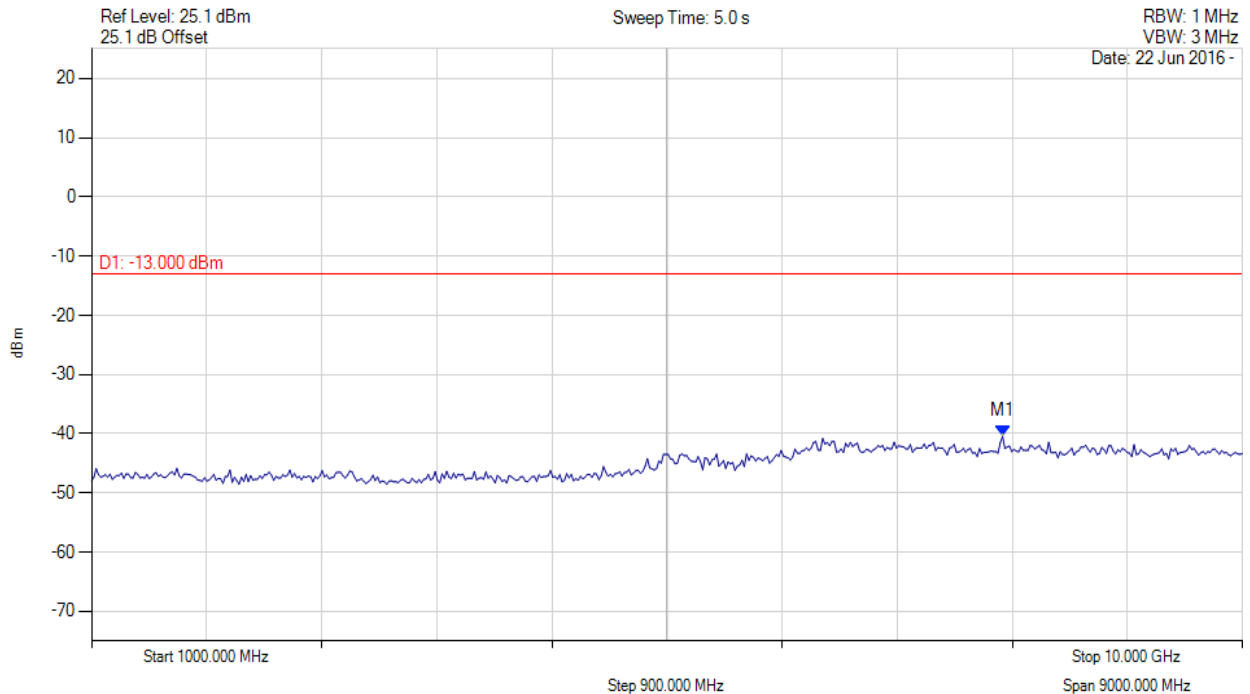
Variant: 56MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 6987.976 MHz : -40.938 dBm	Channel Frequency: 11.22 GHz

Unwanted Emissions 1000-10000 MHz

Variant: 56MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 8124.248 MHz : -40.401 dBm	Channel Frequency: 11.22 GHz

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

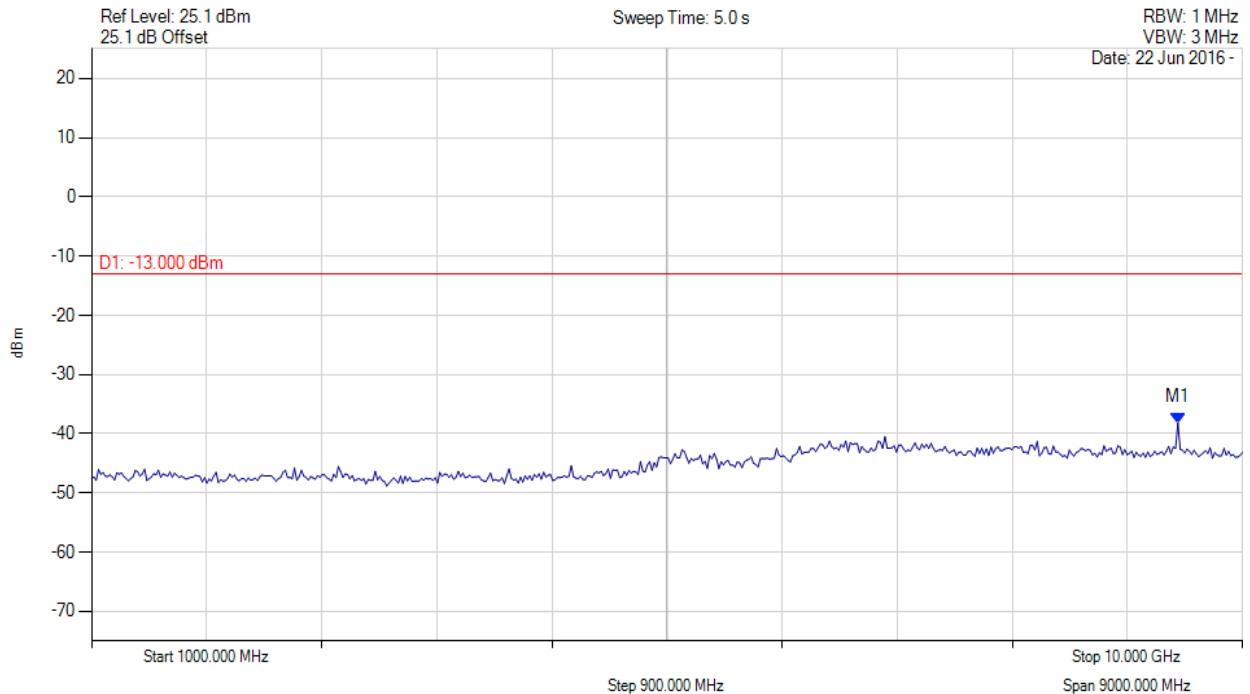


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 311 of 379



Unwanted Emissions 1000-10000 MHz

Variant: 56MHz QPSK, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

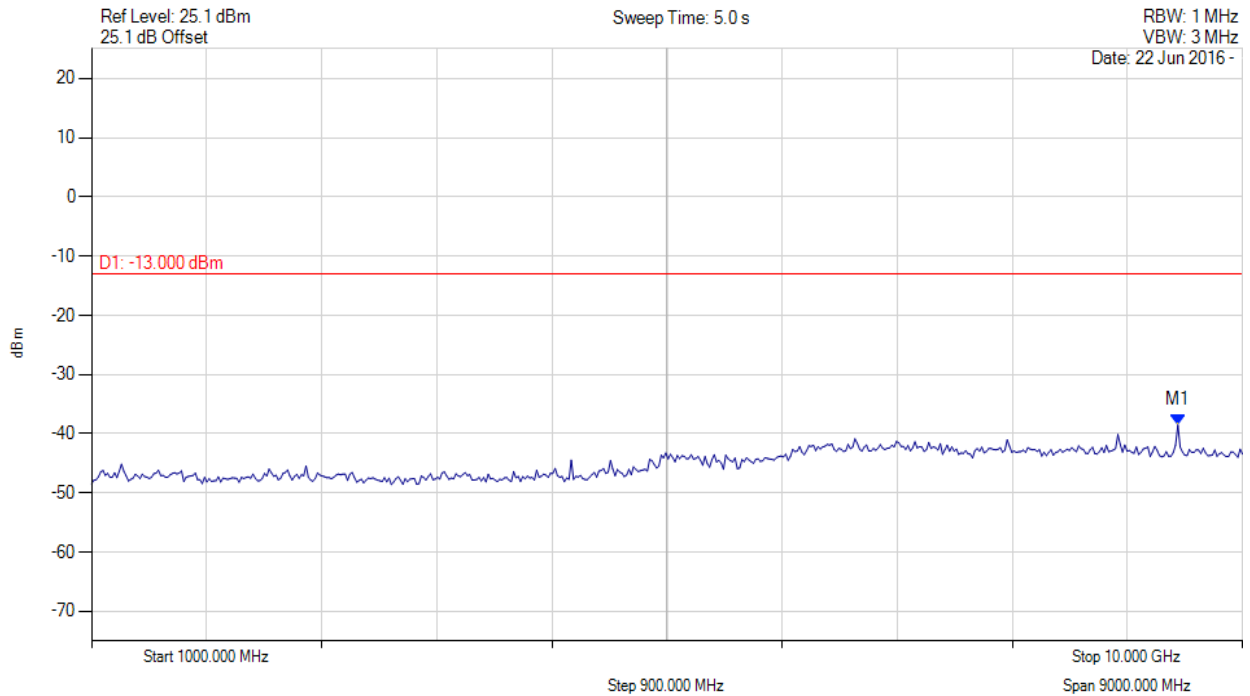


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9494.990 MHz : -38.135 dBm	Channel Frequency: 11.65 GHz

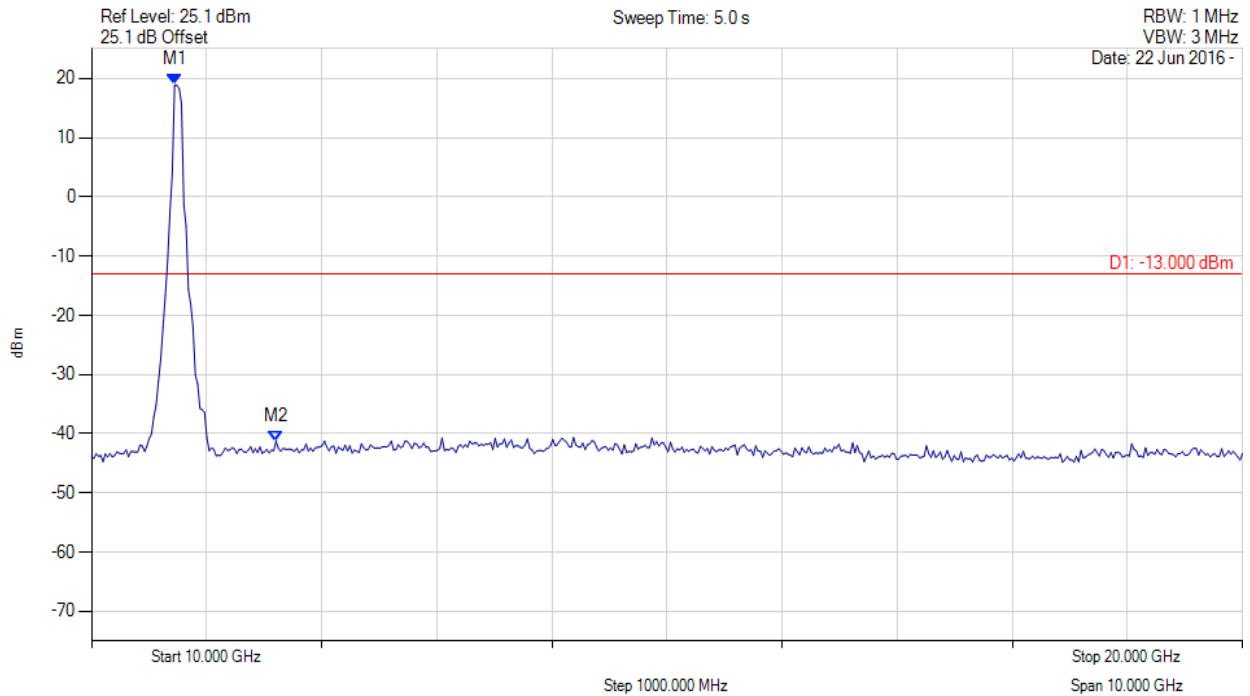
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Unwanted Emissions 1000-10000 MHz

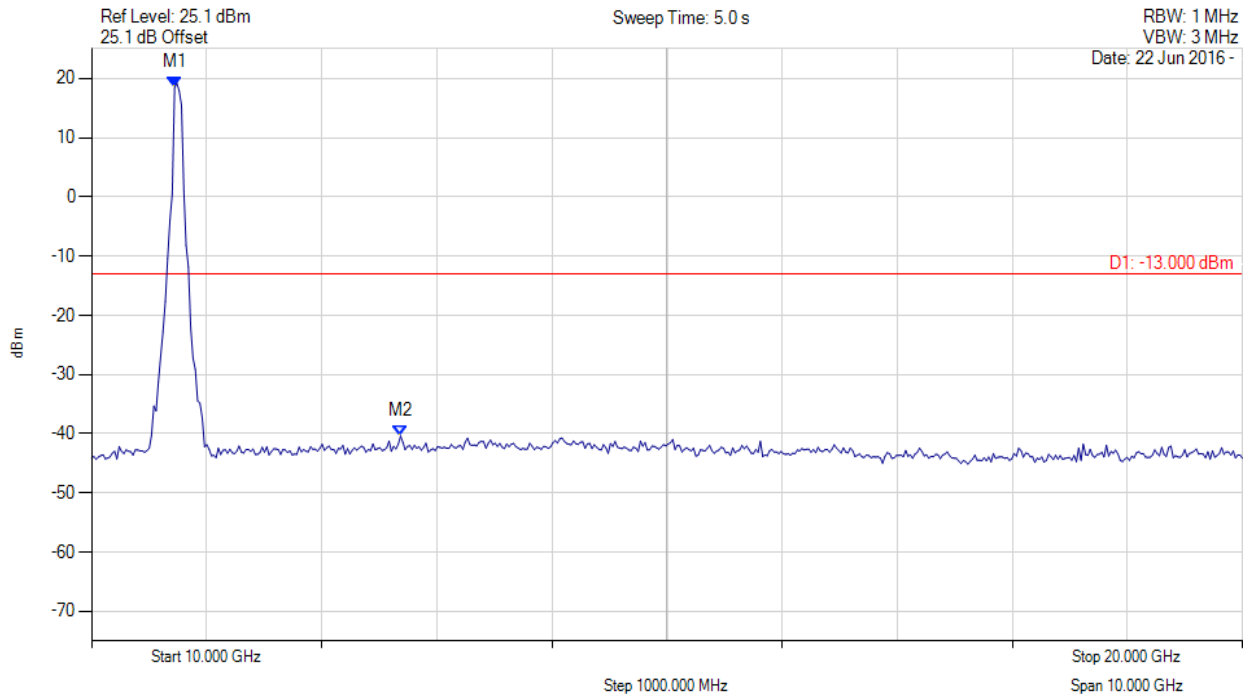
Variant: 56MHz QPSK, Channel: 11.65 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



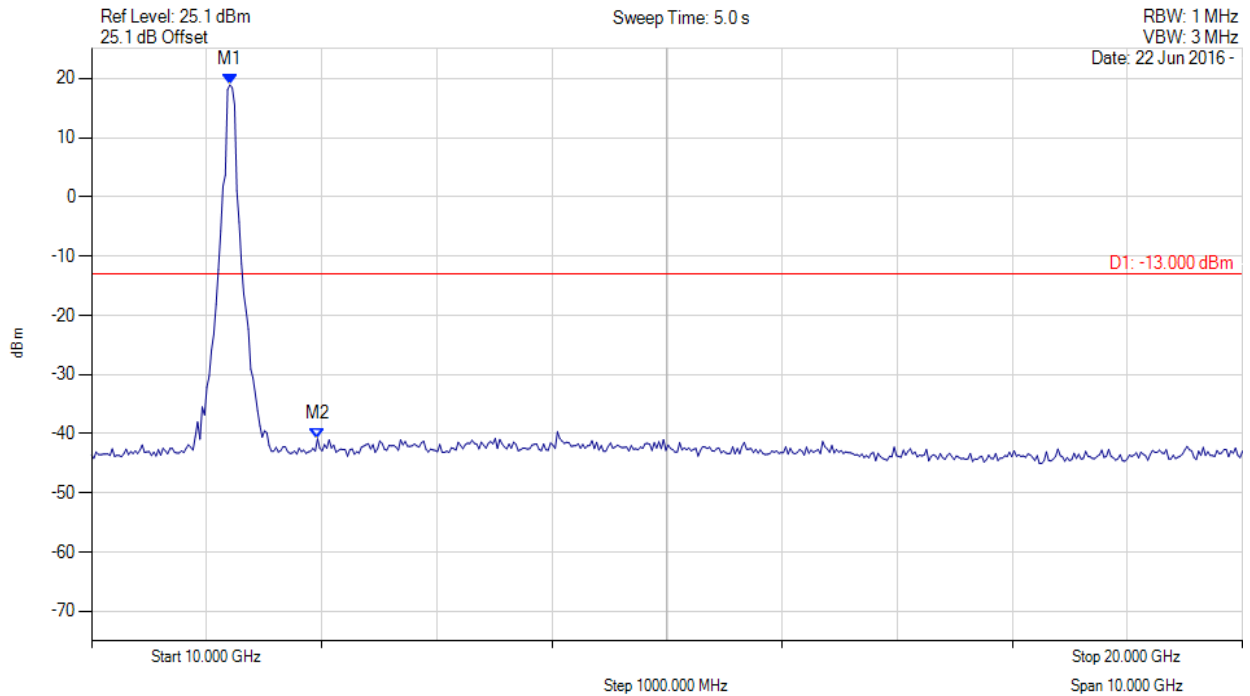
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 9494.990 MHz : -38.491 dBm	Channel Frequency: 11.65 GHz



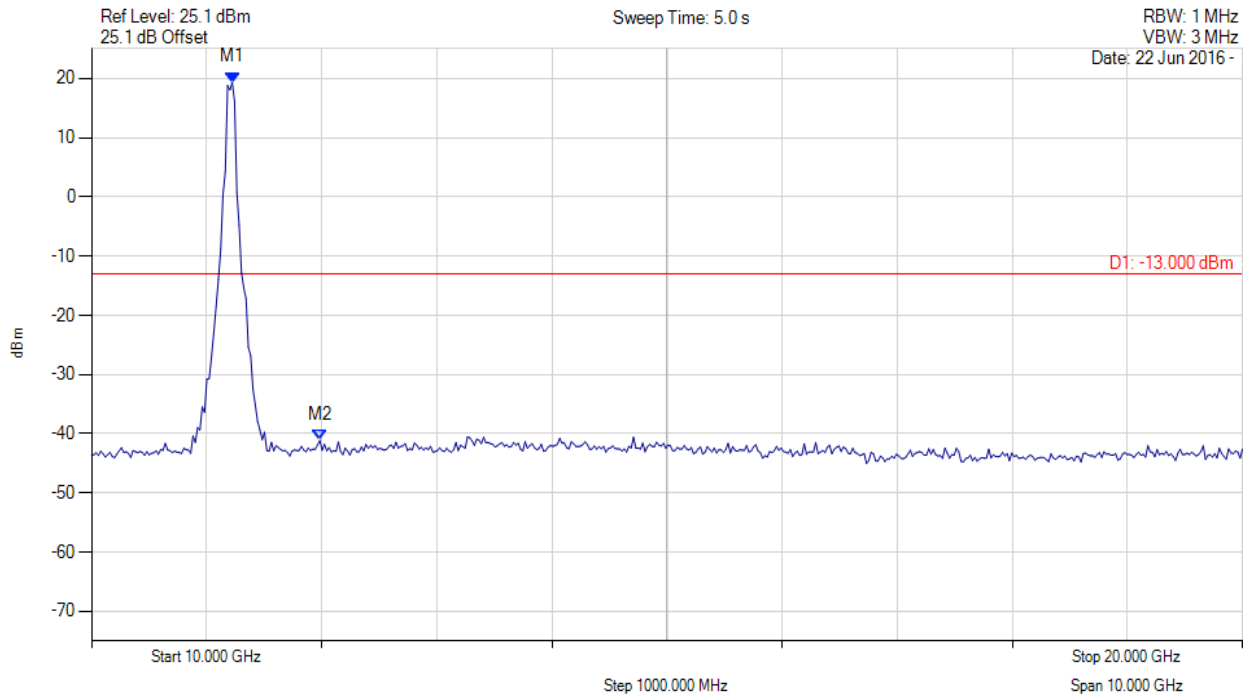
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 10.721 GHz : 18.897 dBm M2 : 11.603 GHz : -41.216 dBm	Channel Frequency: 10.76 GHz



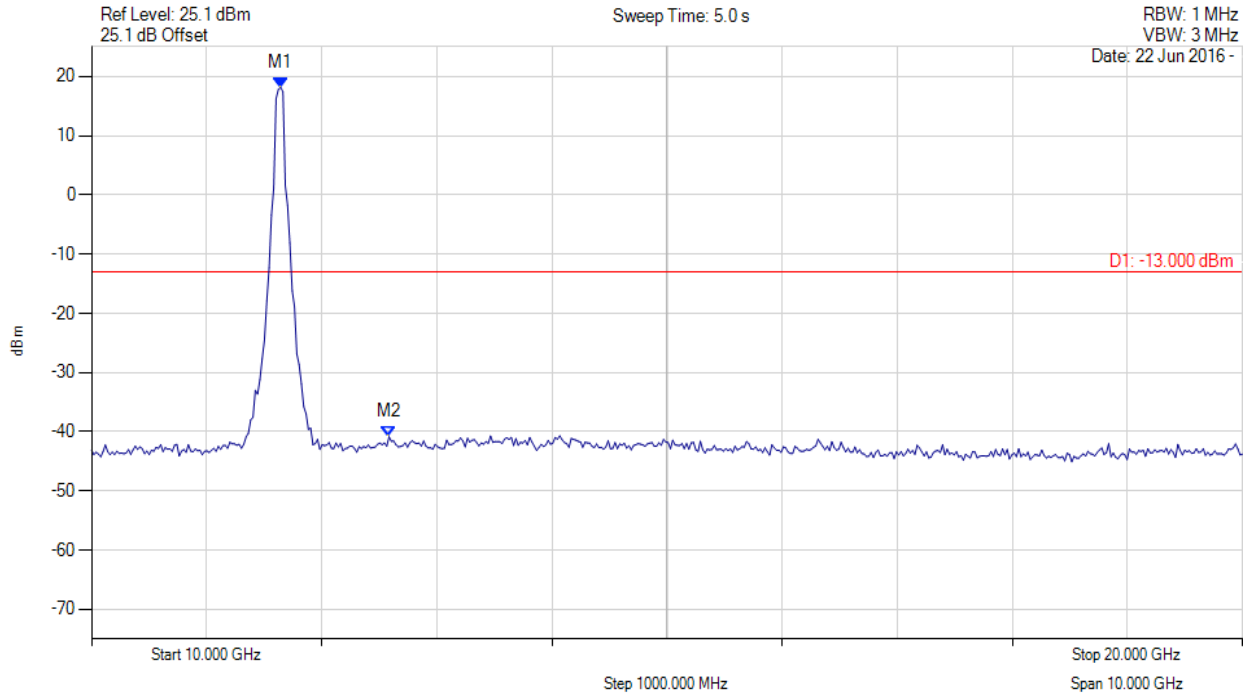
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 10.721 GHz : 18.476 dBm M2 : 12.685 GHz : -40.376 dBm	Channel Frequency: 10.76 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.202 GHz : 18.909 dBm M2 : 11.964 GHz : -40.842 dBm	Channel Frequency: 11.22 GHz



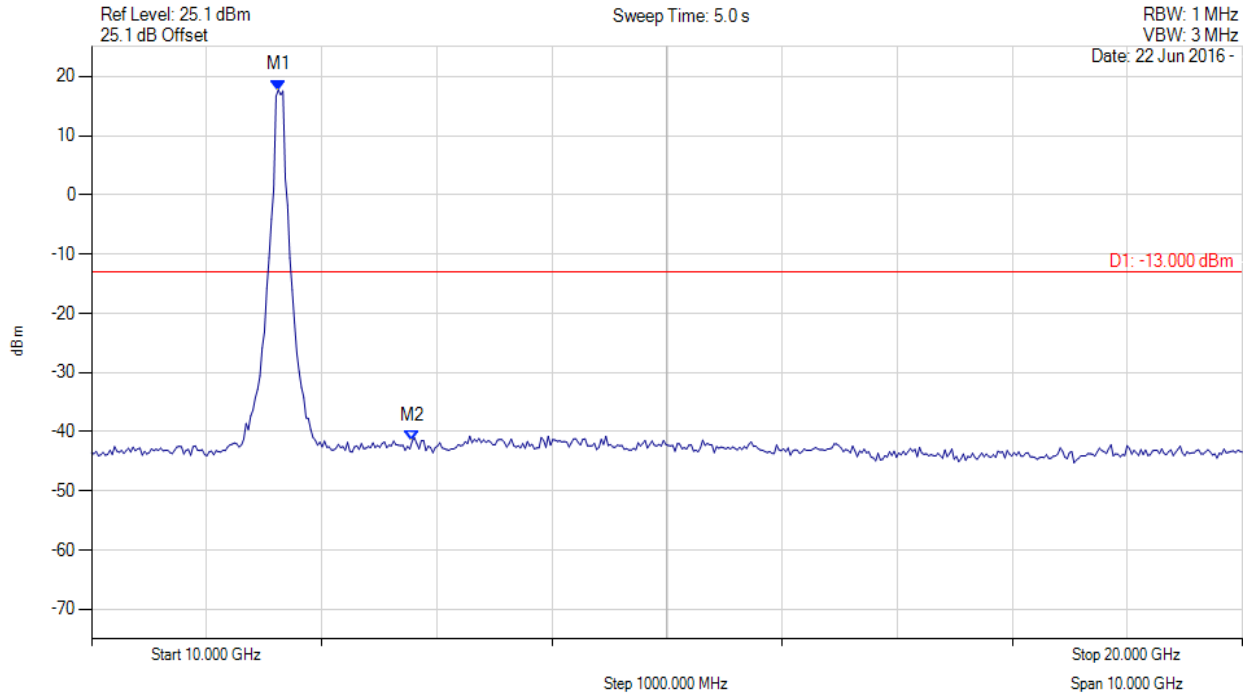
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.222 GHz : 19.334 dBm M2 : 11.984 GHz : -41.139 dBm	Channel Frequency: 11.22 GHz



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.643 GHz : 18.145 dBm M2 : 12.585 GHz : -40.824 dBm	Channel Frequency: 11.65 GHz

Unwanted Emissions 10000-20000 MHz

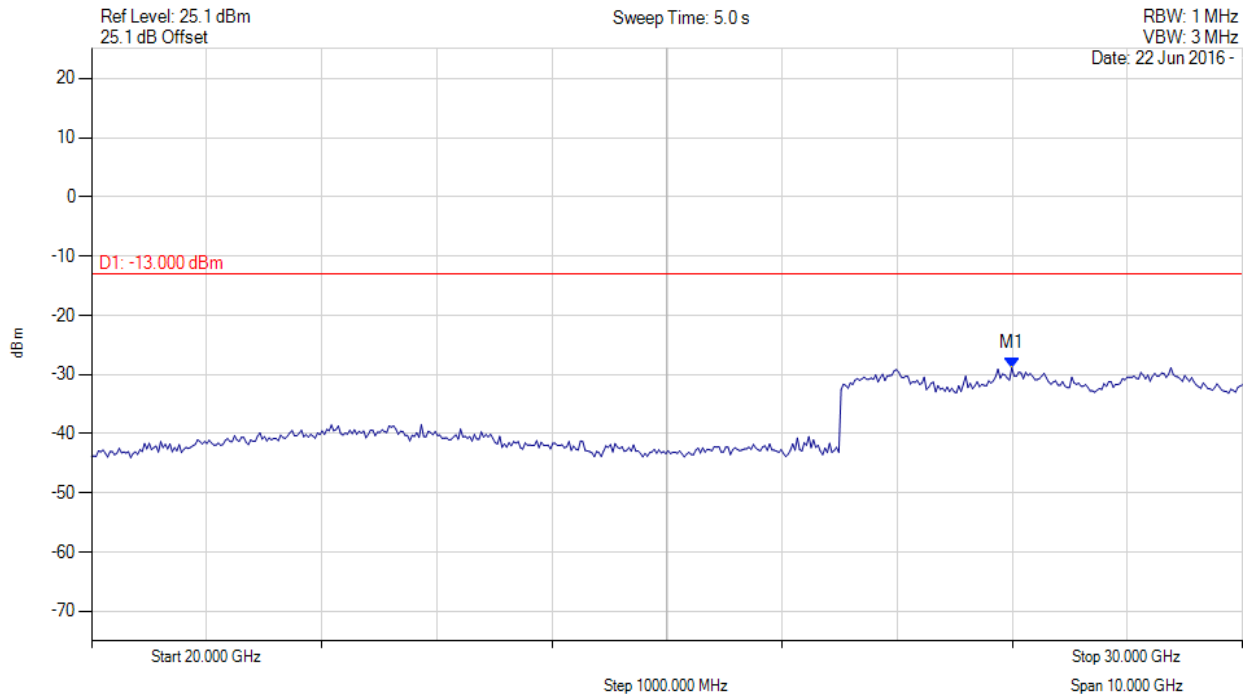
Variant: 56MHz QPSK, Channel: 11.65 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 11.623 GHz : 17.715 dBm M2 : 12.786 GHz : -41.593 dBm	Channel Frequency: 11.65 GHz

Unwanted Emissions 20000-30000 MHz

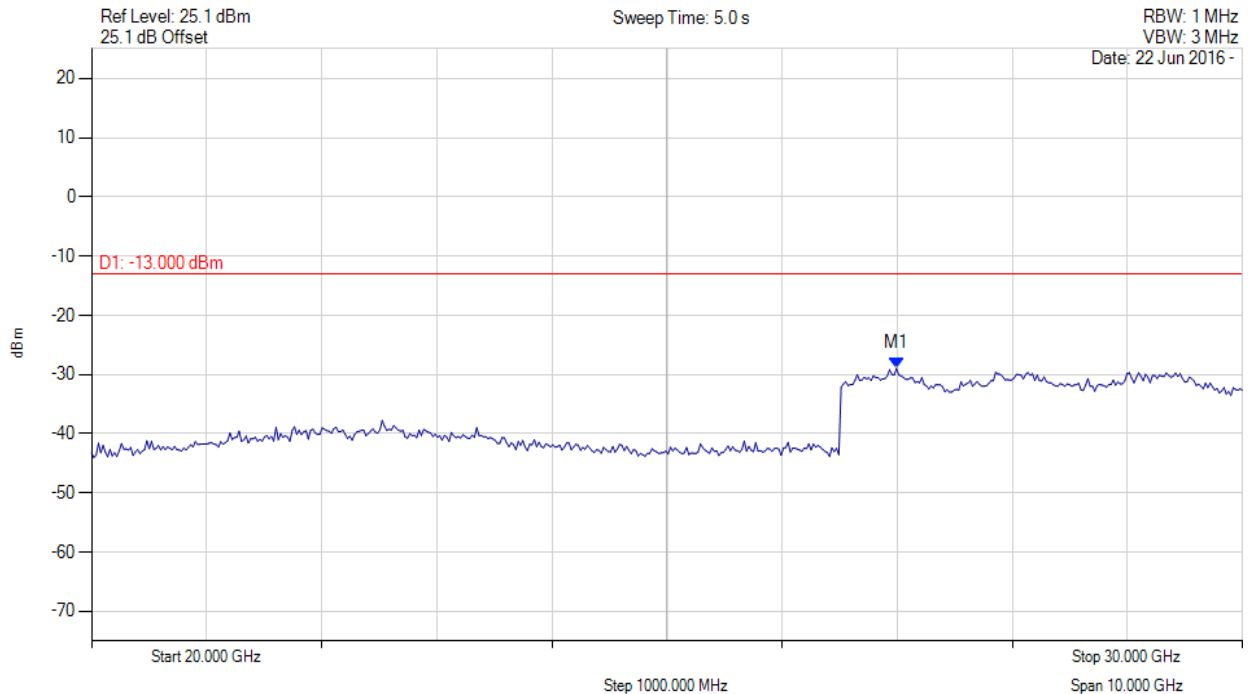
Variant: 56MHz QPSK, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 27.996 GHz : -28.833 dBm	Channel Frequency: 10.76 GHz

Unwanted Emissions 20000-30000 MHz

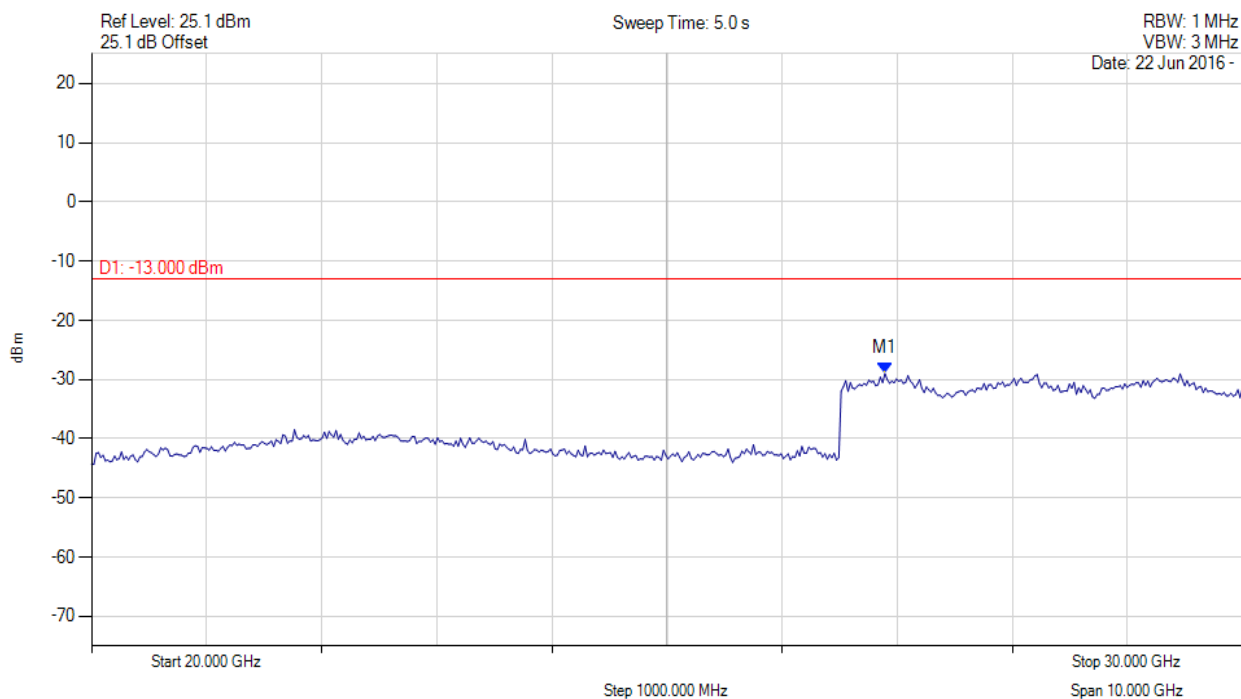
Variant: 56MHz QPSK, Channel: 10.76 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.994 GHz : -28.955 dBm	Channel Frequency: 10.76 GHz

Unwanted Emissions 20000-30000 MHz

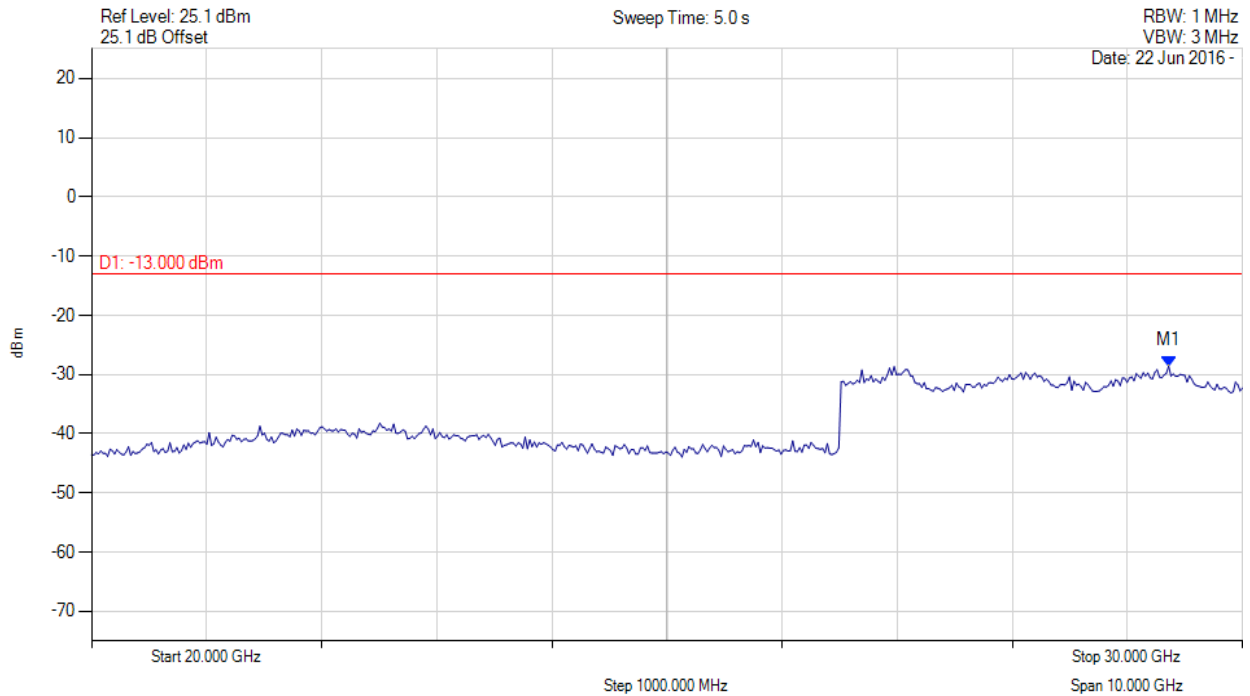
Variant: 56MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.894 GHz : -28.975 dBm	Channel Frequency: 11.22 GHz

Unwanted Emissions 20000-30000 MHz

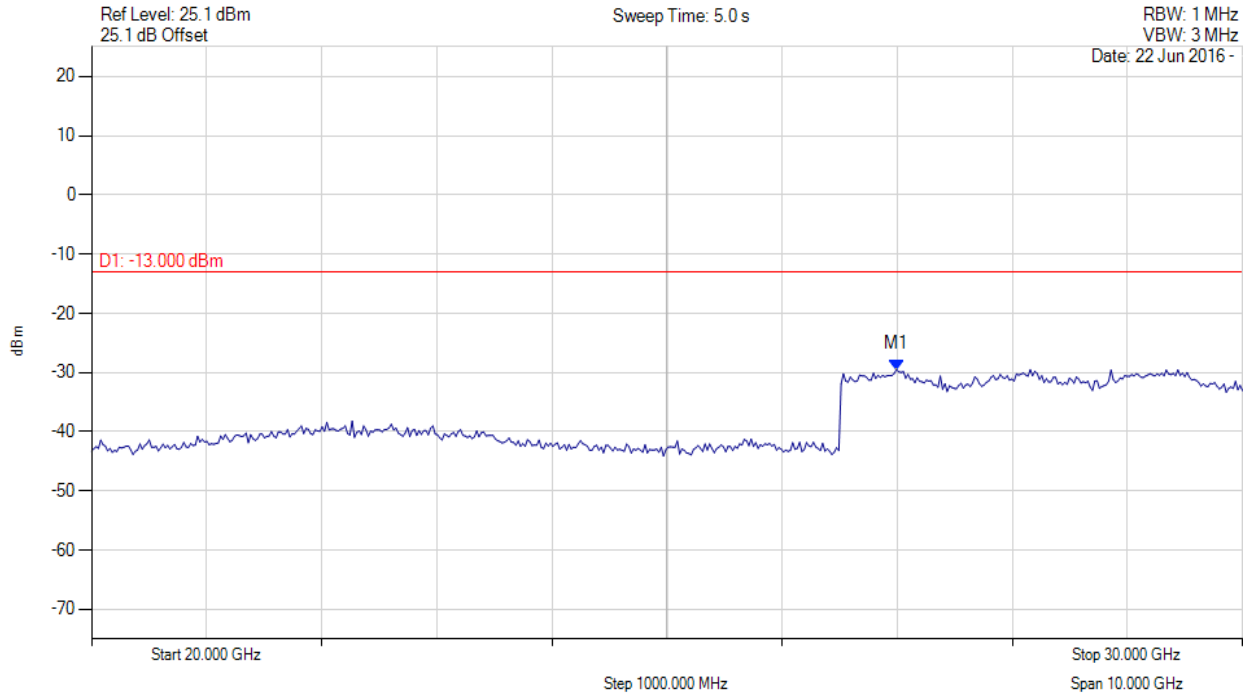
Variant: 56MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 29.359 GHz : -28.571 dBm	Channel Frequency: 11.22 GHz

Unwanted Emissions 20000-30000 MHz

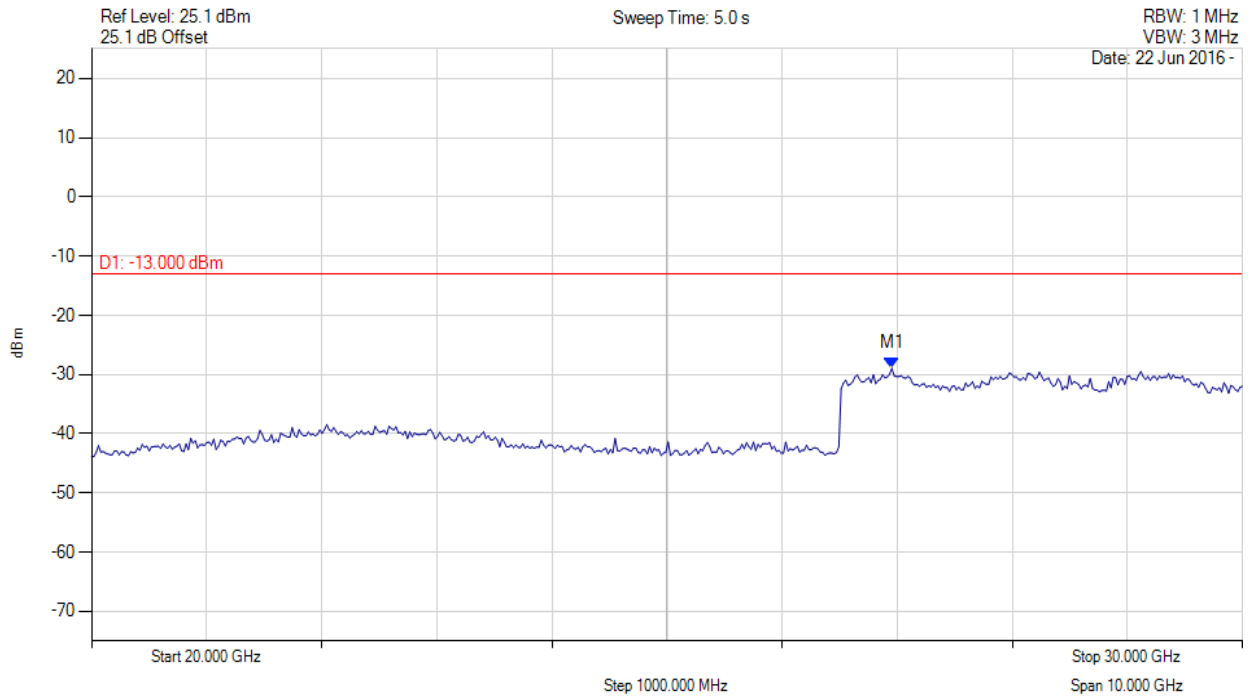
Variant: 56MHz QPSK, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.994 GHz : -29.498 dBm	Channel Frequency: 11.65 GHz

Unwanted Emissions 20000-30000 MHz

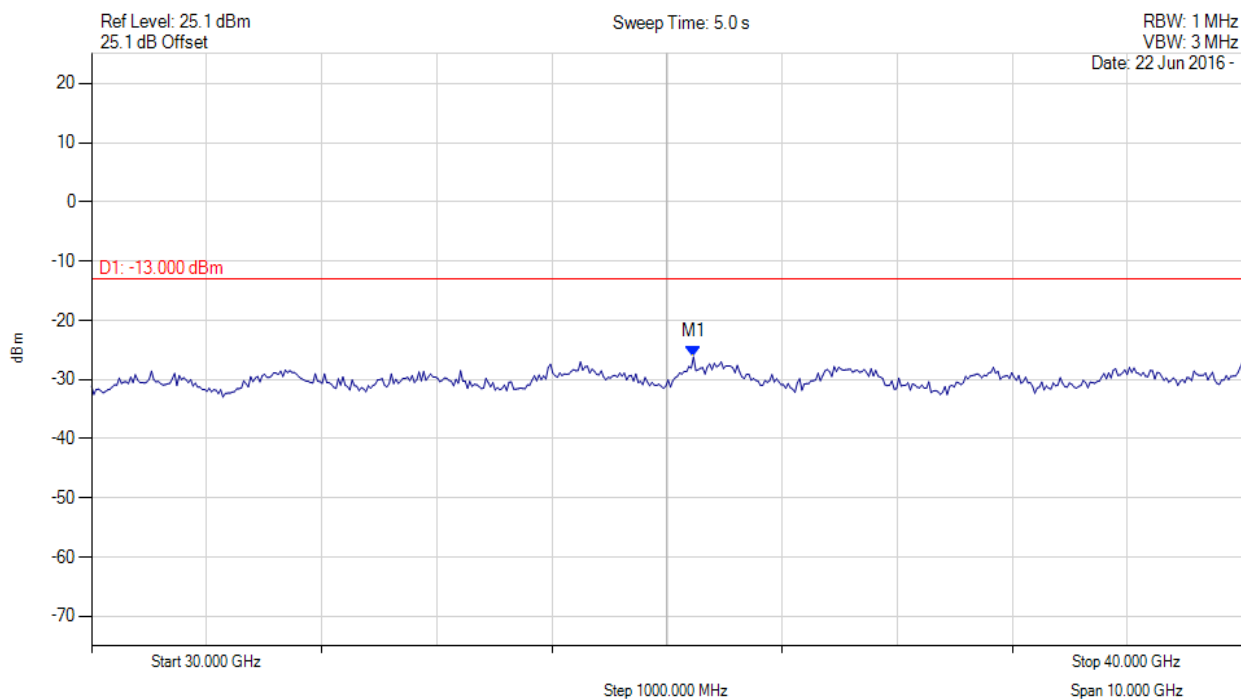
Variant: 56MHz QPSK, Channel: 11.65 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 26.954 GHz : -28.951 dBm	Channel Frequency: 11.65 GHz

Unwanted Emissions 30000-40000 MHz

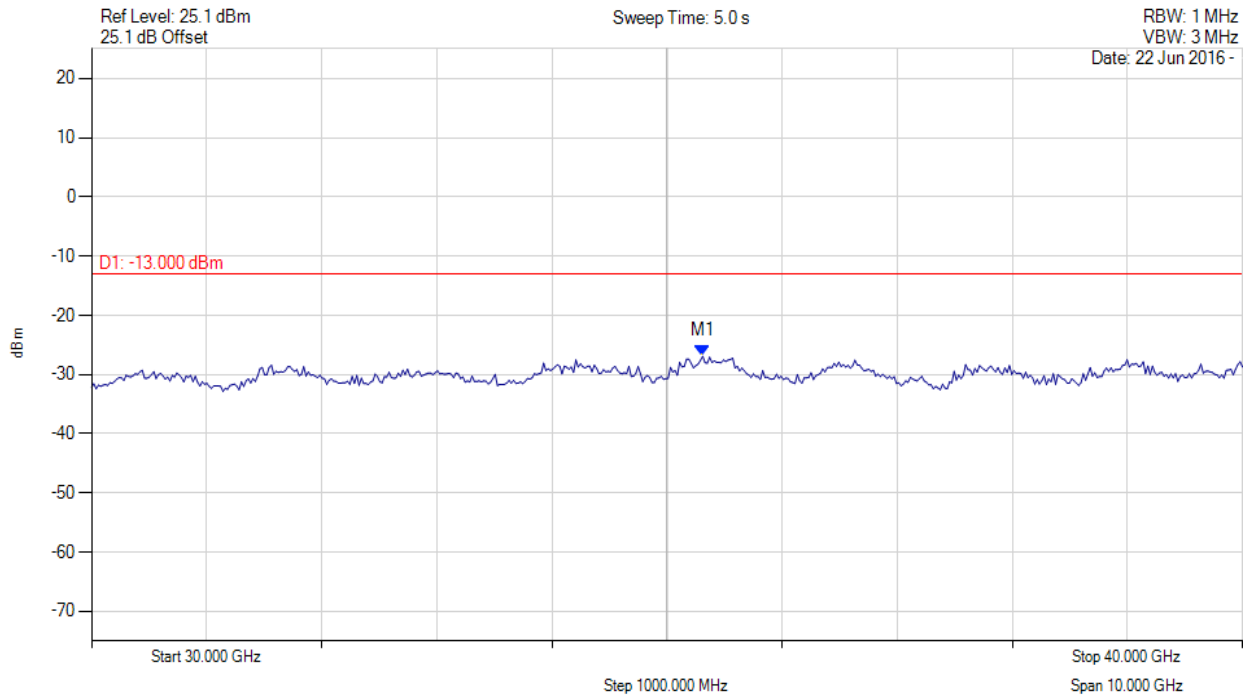
Variant: 56MHz QPSK, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.230 GHz : -26.179 dBm	Channel Frequency: 10.76 GHz

Unwanted Emissions 30000-40000 MHz

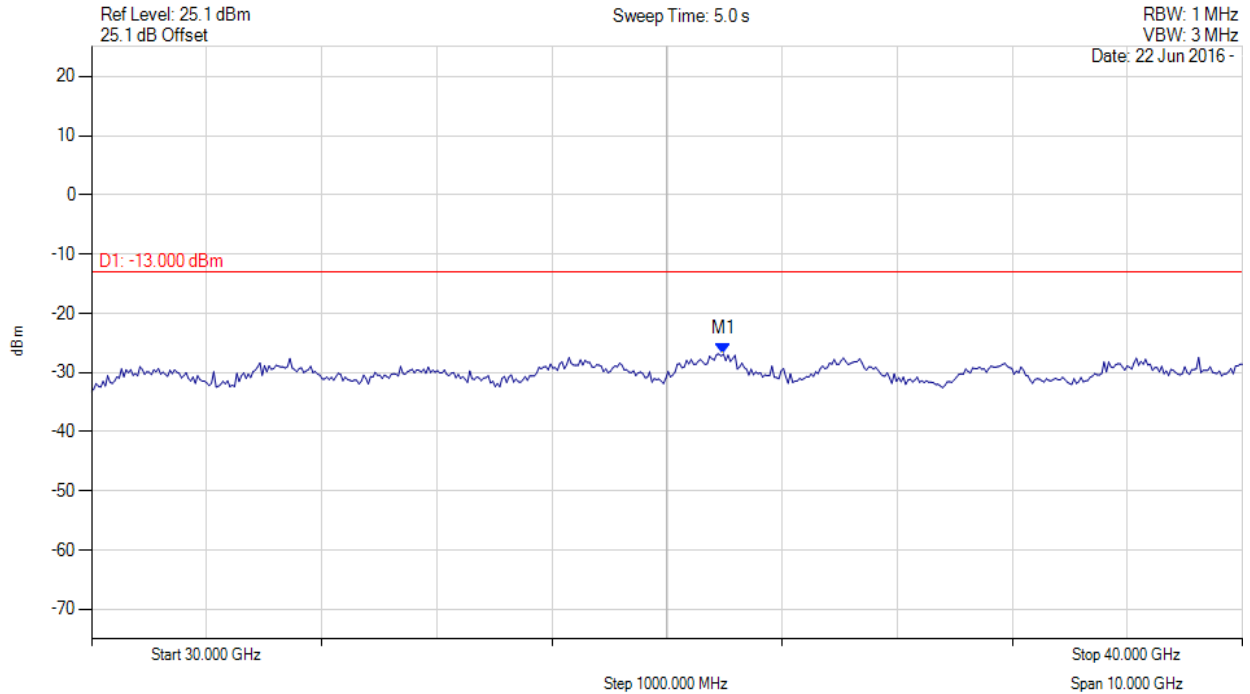
Variant: 56MHz QPSK, Channel: 10.76 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.311 GHz : -26.913 dBm	Channel Frequency: 10.76 GHz

Unwanted Emissions 30000-40000 MHz

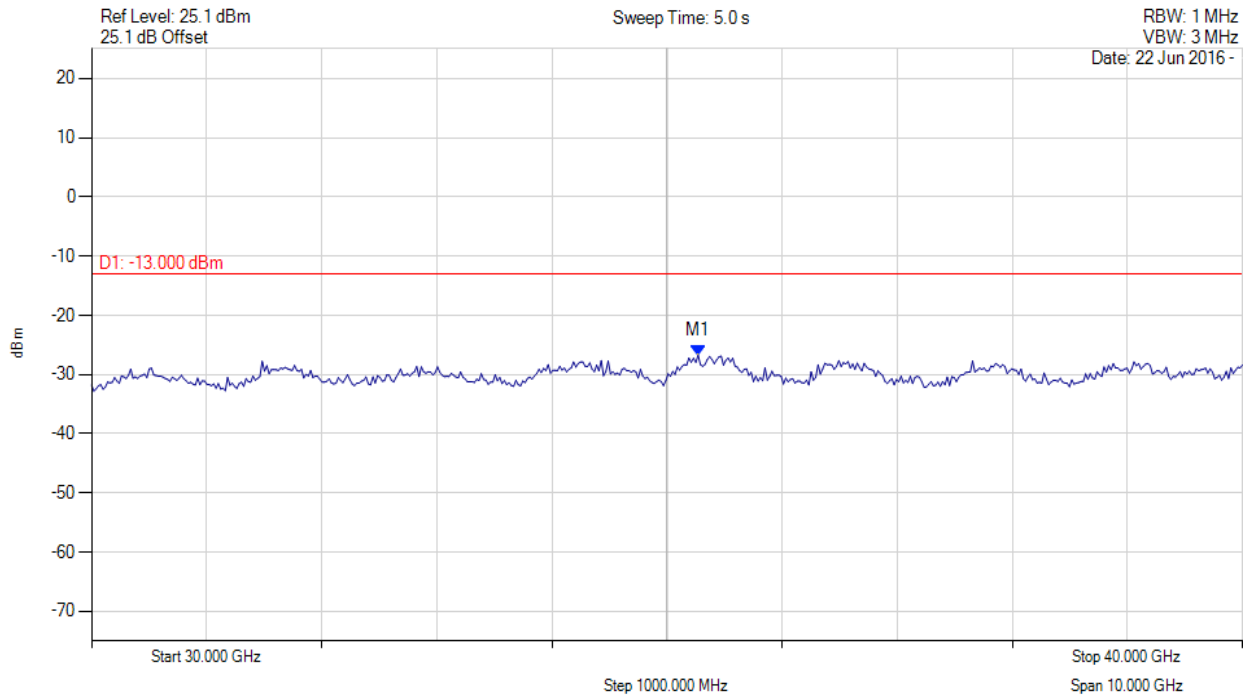
Variant: 56MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.491 GHz : -26.858 dBm	Channel Frequency: 11.22 GHz

Unwanted Emissions 30000-40000 MHz

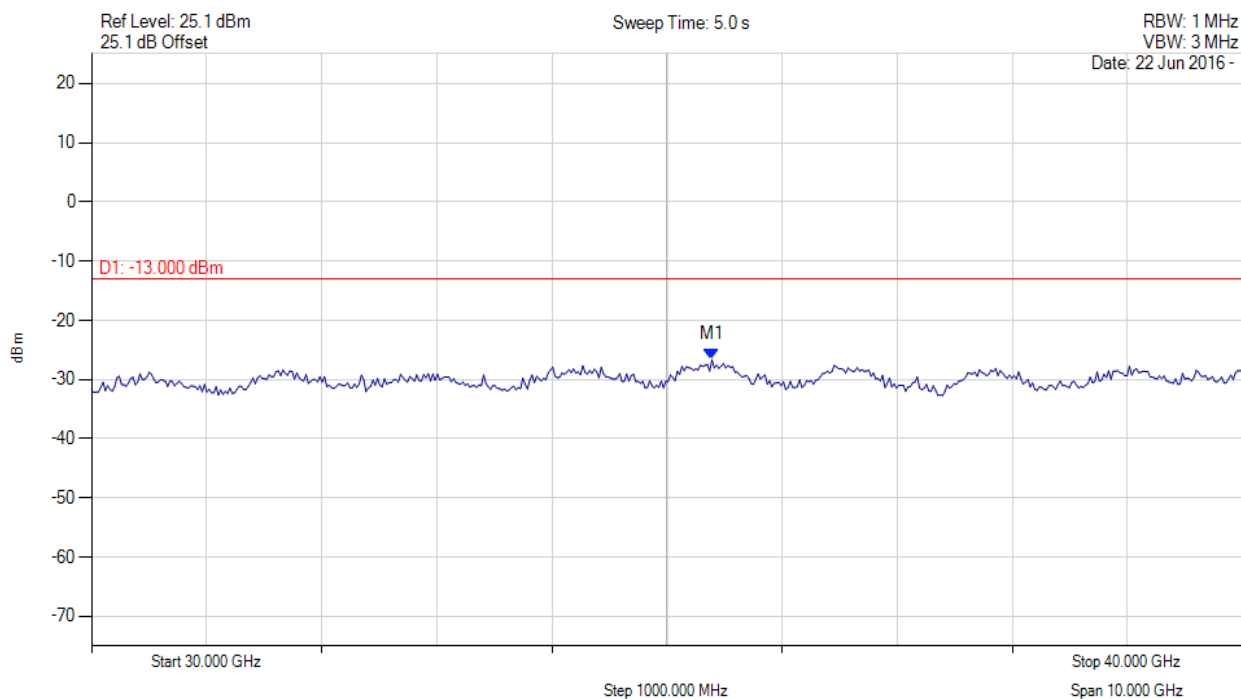
Variant: 56MHz QPSK, Channel: 11.22 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.271 GHz : -26.736 dBm	Channel Frequency: 11.22 GHz

Unwanted Emissions 30000-40000 MHz

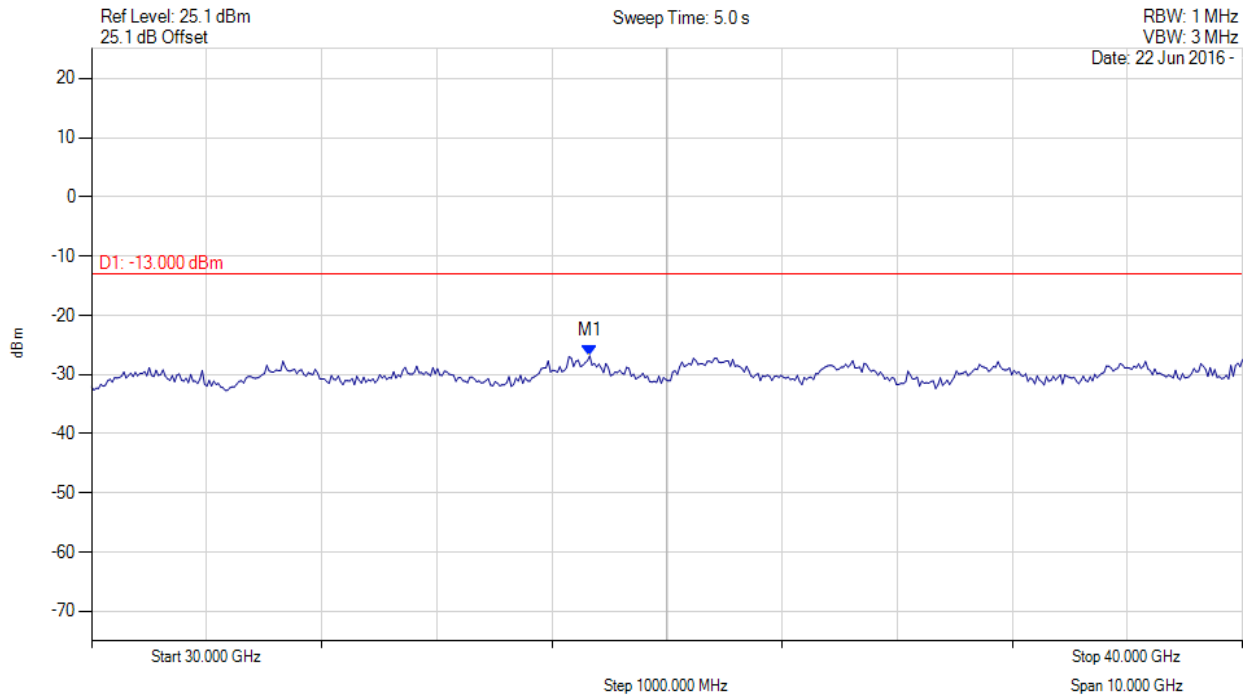
Variant: 56MHz QPSK, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 35.391 GHz : -26.655 dBm	Channel Frequency: 11.65 GHz

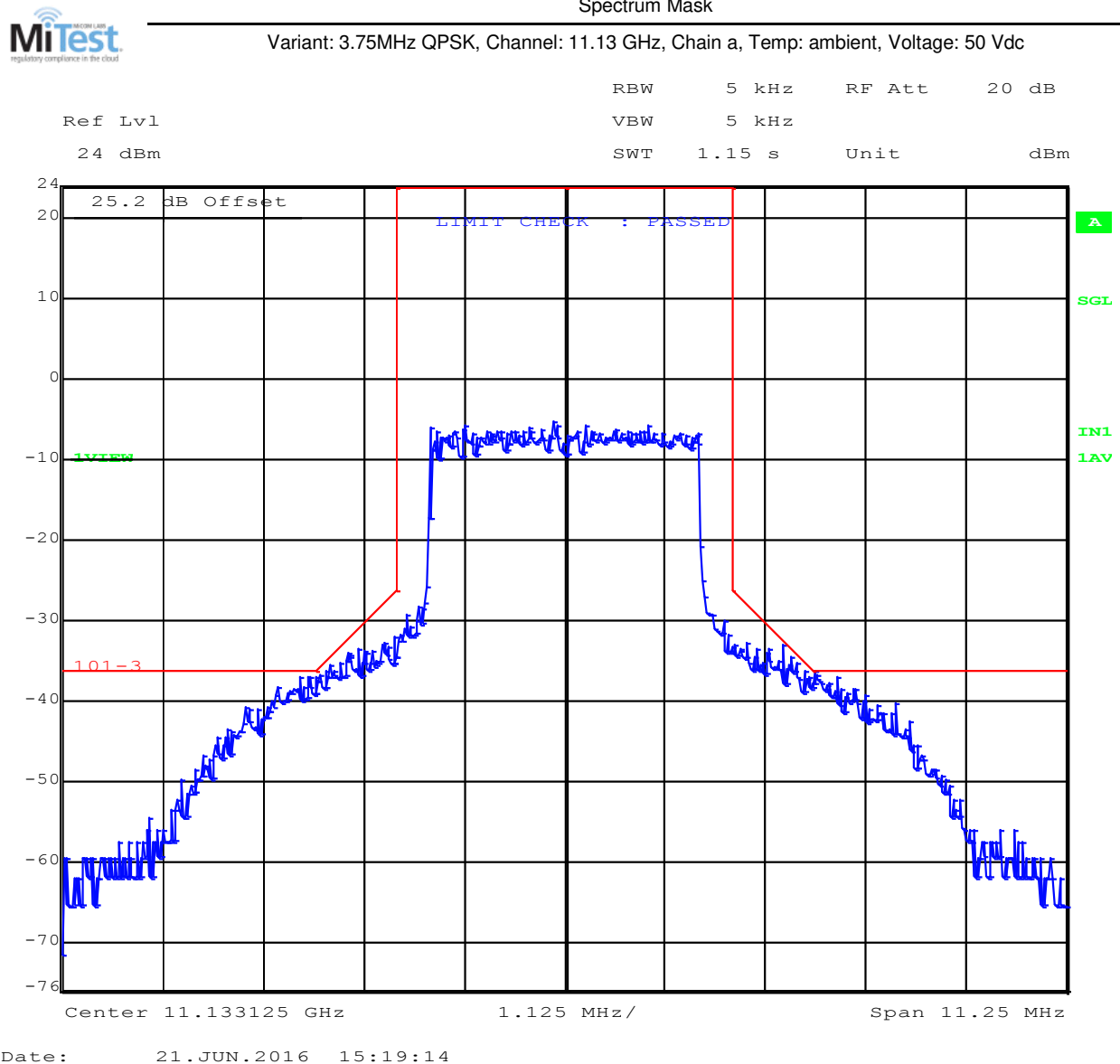
Unwanted Emissions 30000-40000 MHz

Variant: 56MHz QPSK, Channel: 11.65 GHz, Chain b, Temp: ambient, Voltage: 50 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = VIEW	M1 : 34.329 GHz : -26.842 dBm	Channel Frequency: 11.65 GHz

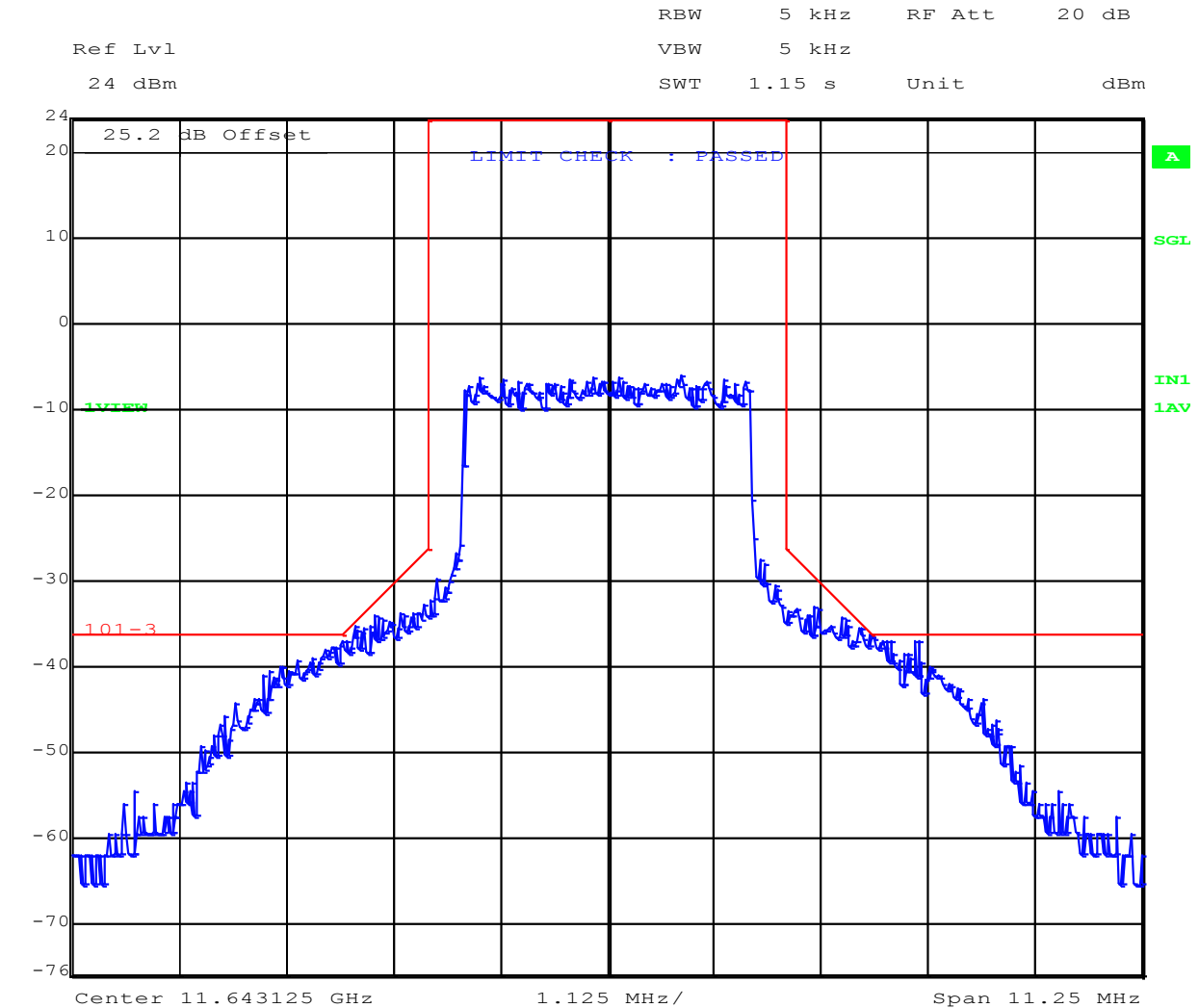
6.1.1.4.2 Spectrum Mask



This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Spectrum Mask

Variant: 3.75MHz QPSK, Channel: 11.64 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 15:26:04

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

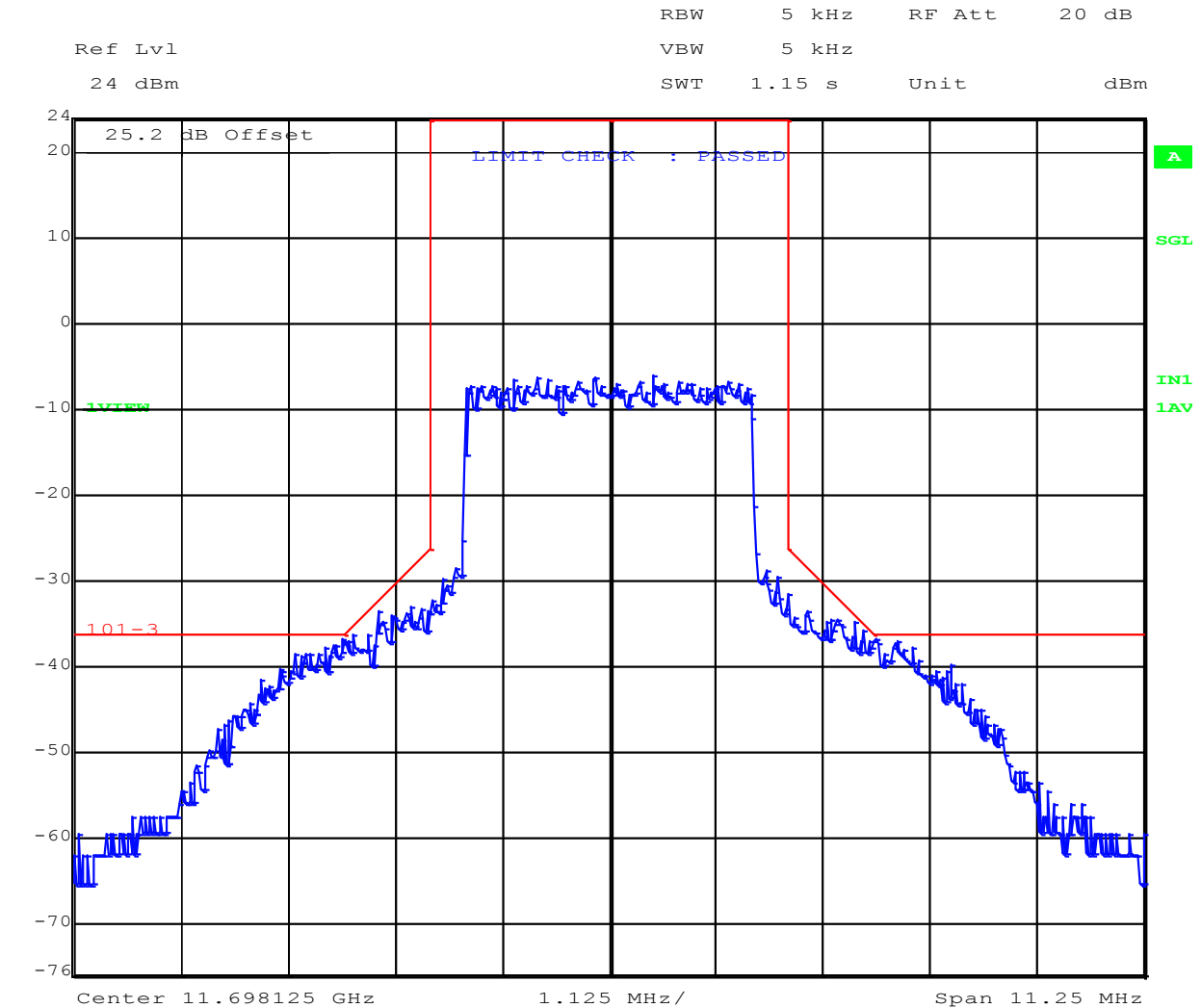


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 333 of 379



Spectrum Mask

Variant: 3.75MHz QPSK, Channel: 11.70 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

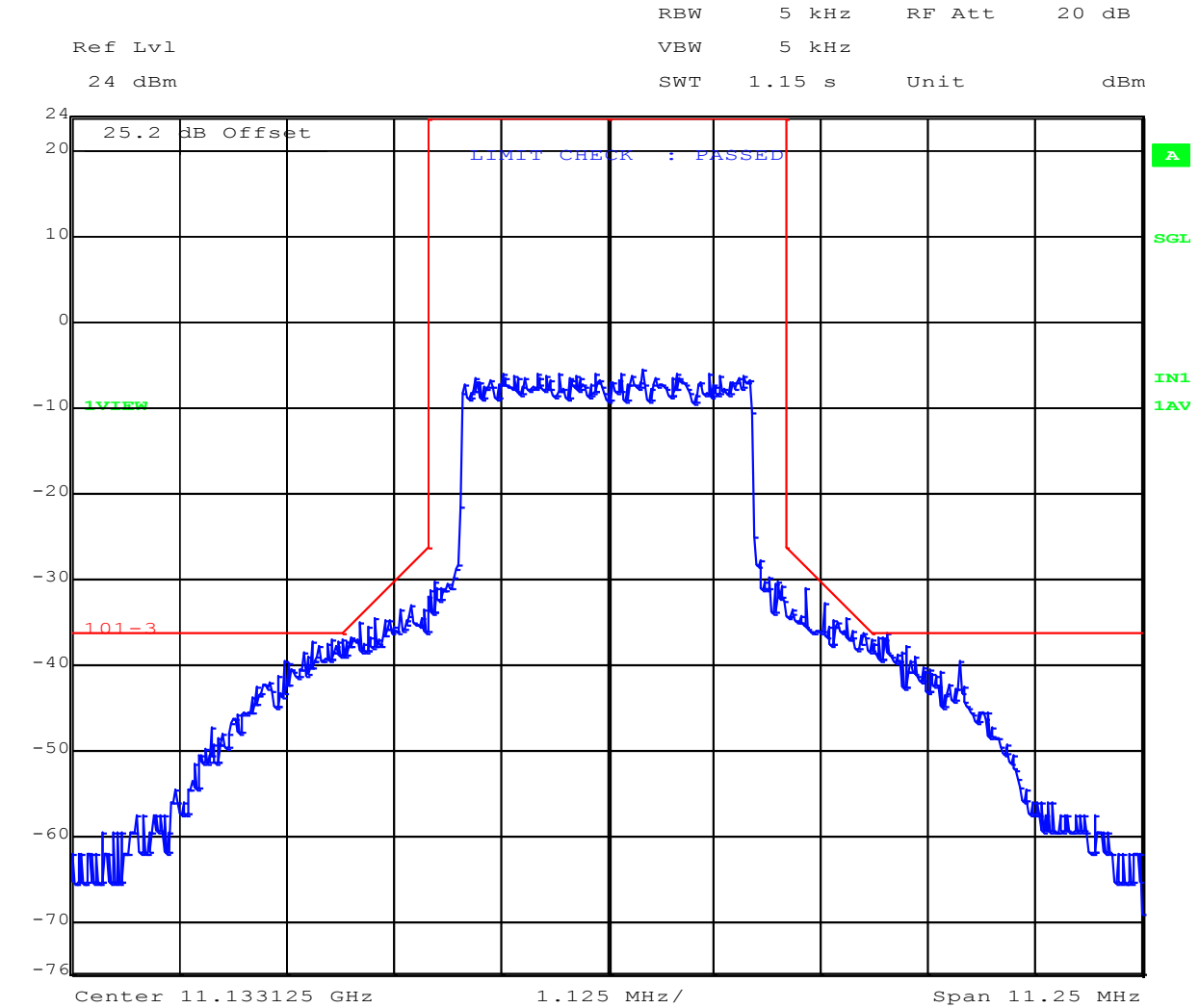


Date: 21.JUN.2016 15:30:15

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Spectrum Mask

Variant: 3.75MHz 1024QAM, Channel: 11.13 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 15:40:07

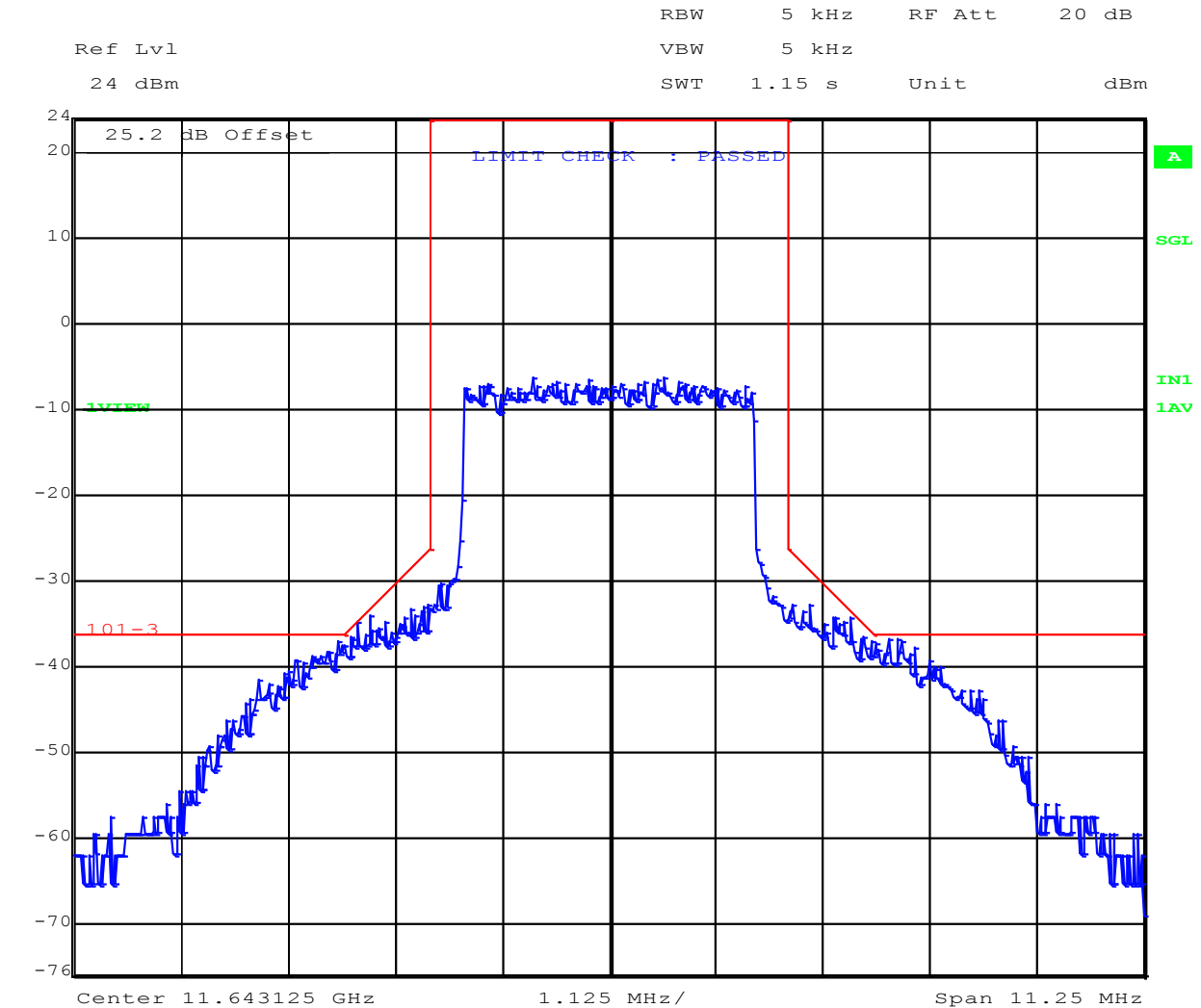


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 335 of 379



Spectrum Mask

Variant: 3.75MHz 1024QAM, Channel: 11.64 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 15:37:25

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

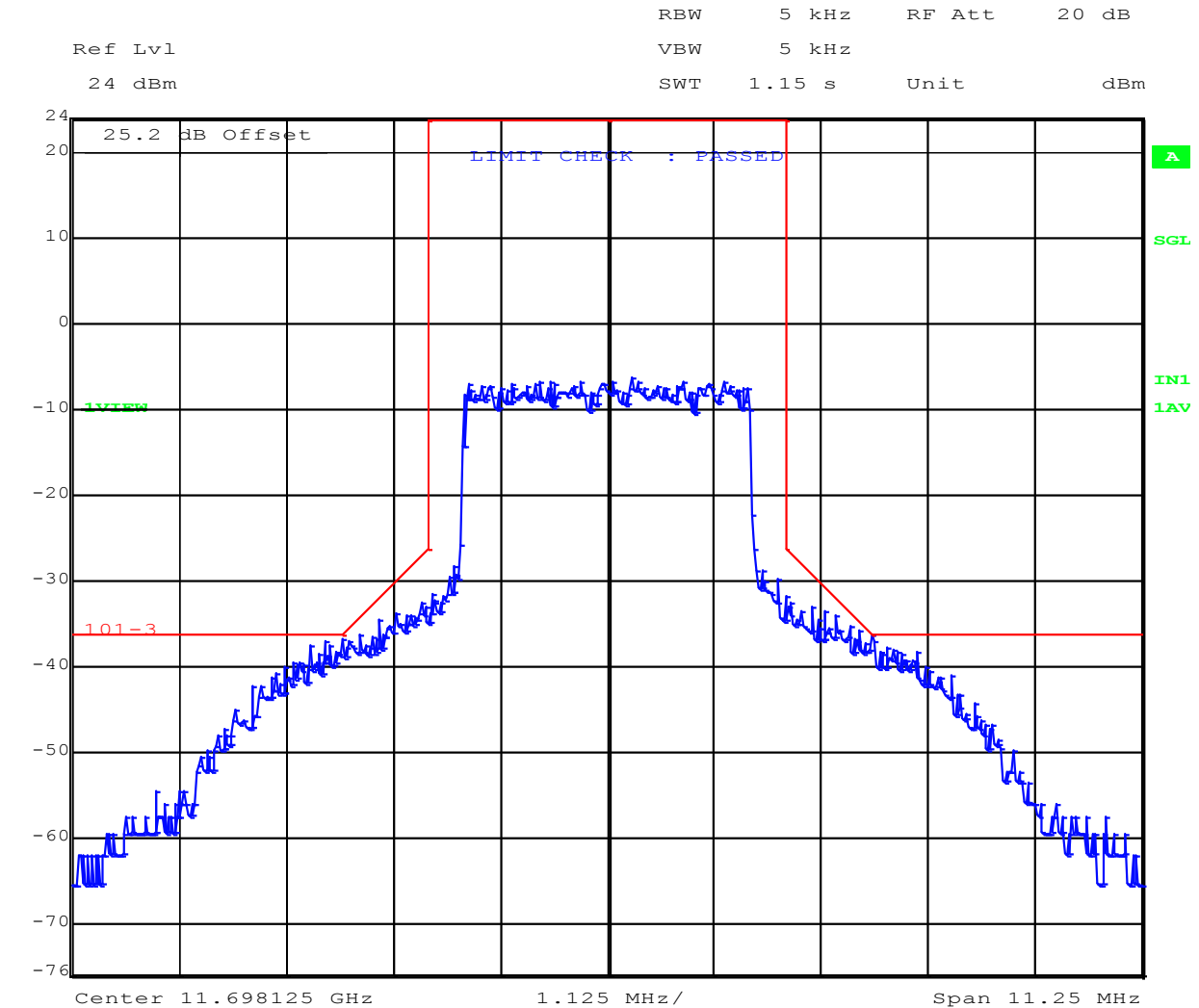


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 336 of 379



Spectrum Mask

Variant: 3.75MHz 1024QAM, Channel: 11.70 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

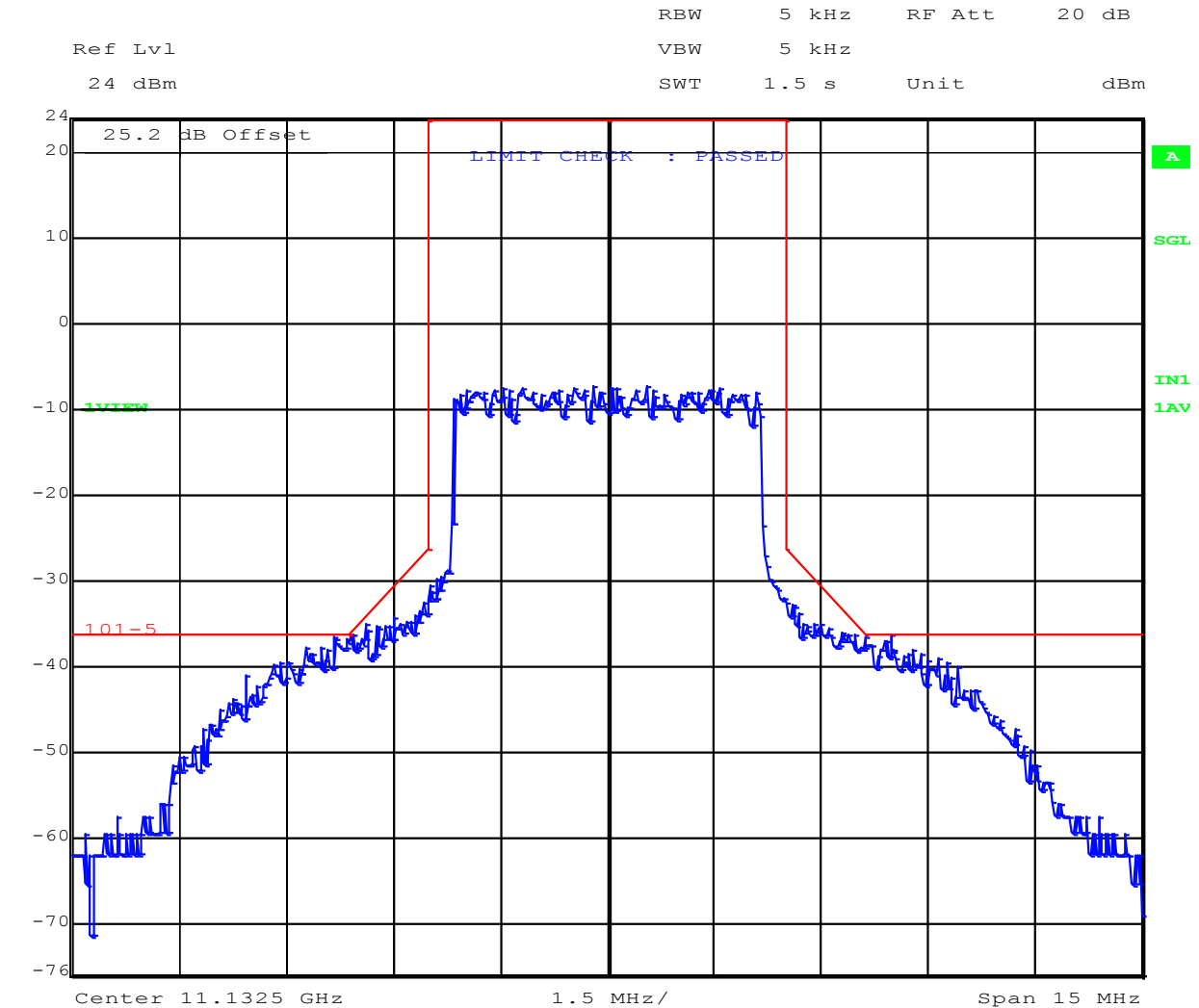


Date: 21.JUN.2016 15:34:40

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Spectrum Mask

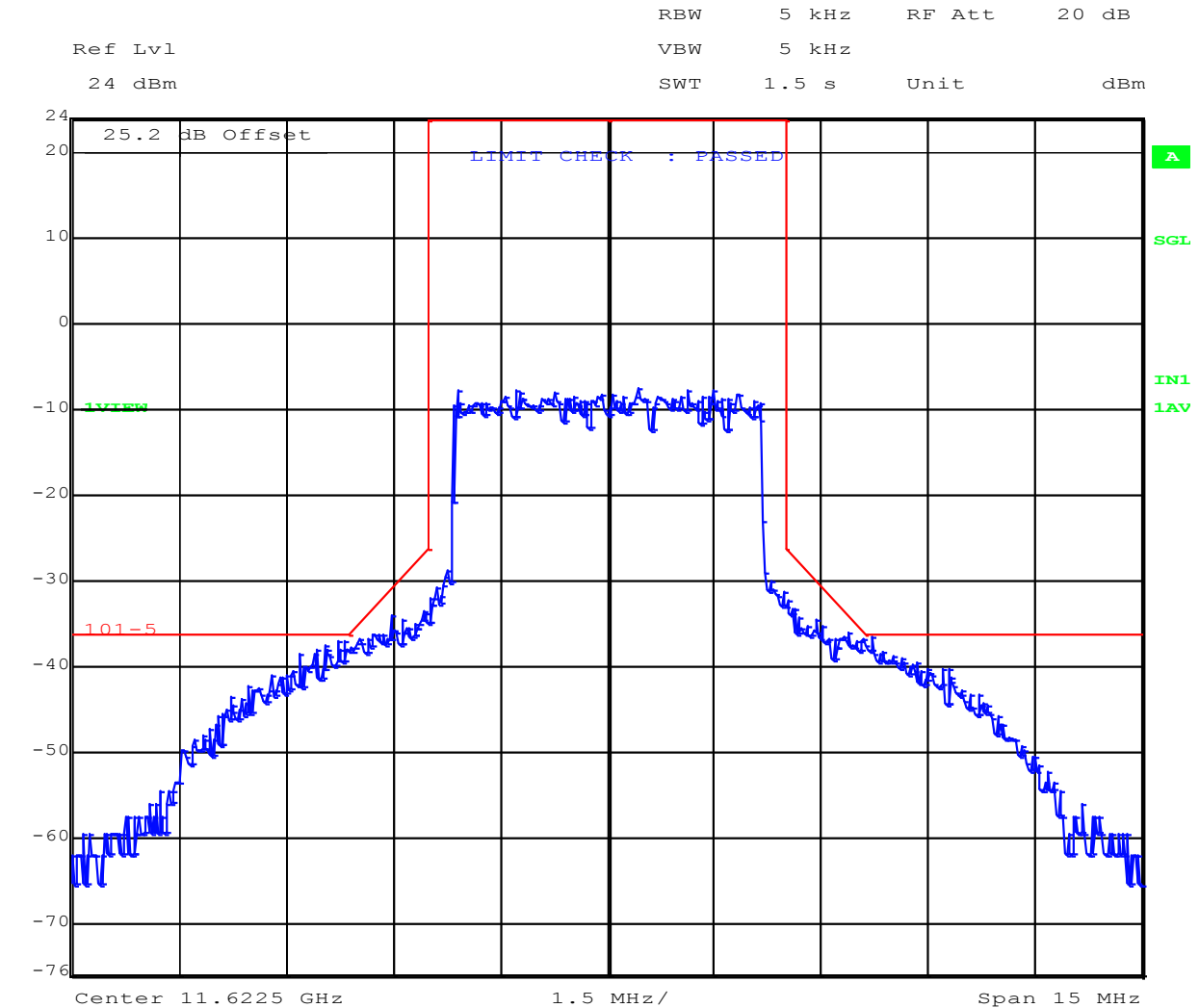
Variant: 5MHz QPSK, Channel: 11.13 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 14:50:53

Spectrum Mask

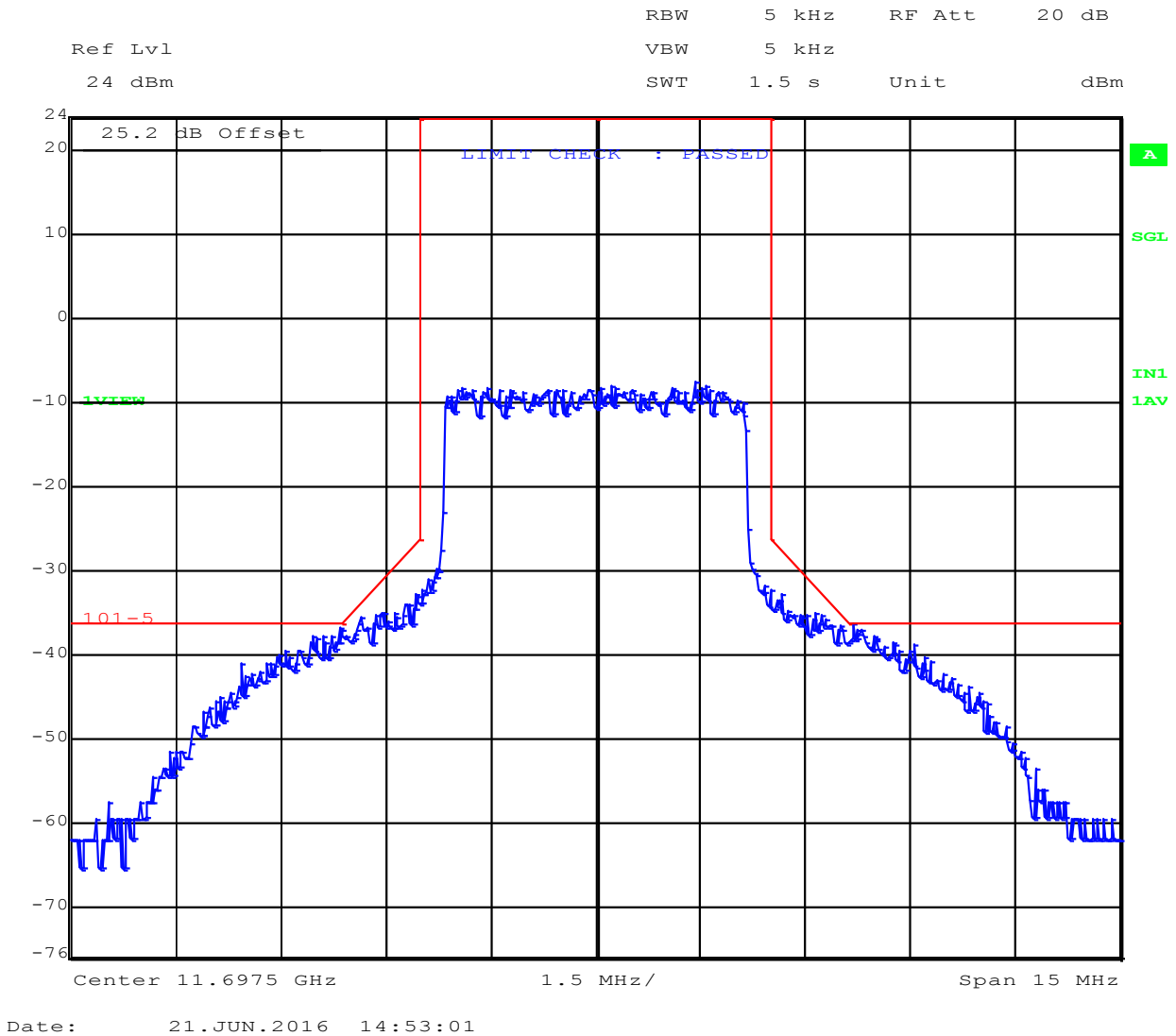
Variant: 5MHz QPSK, Channel: 11.62 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 14:47:07

Spectrum Mask

Variant: 5MHz QPSK, Channel: 11.70 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

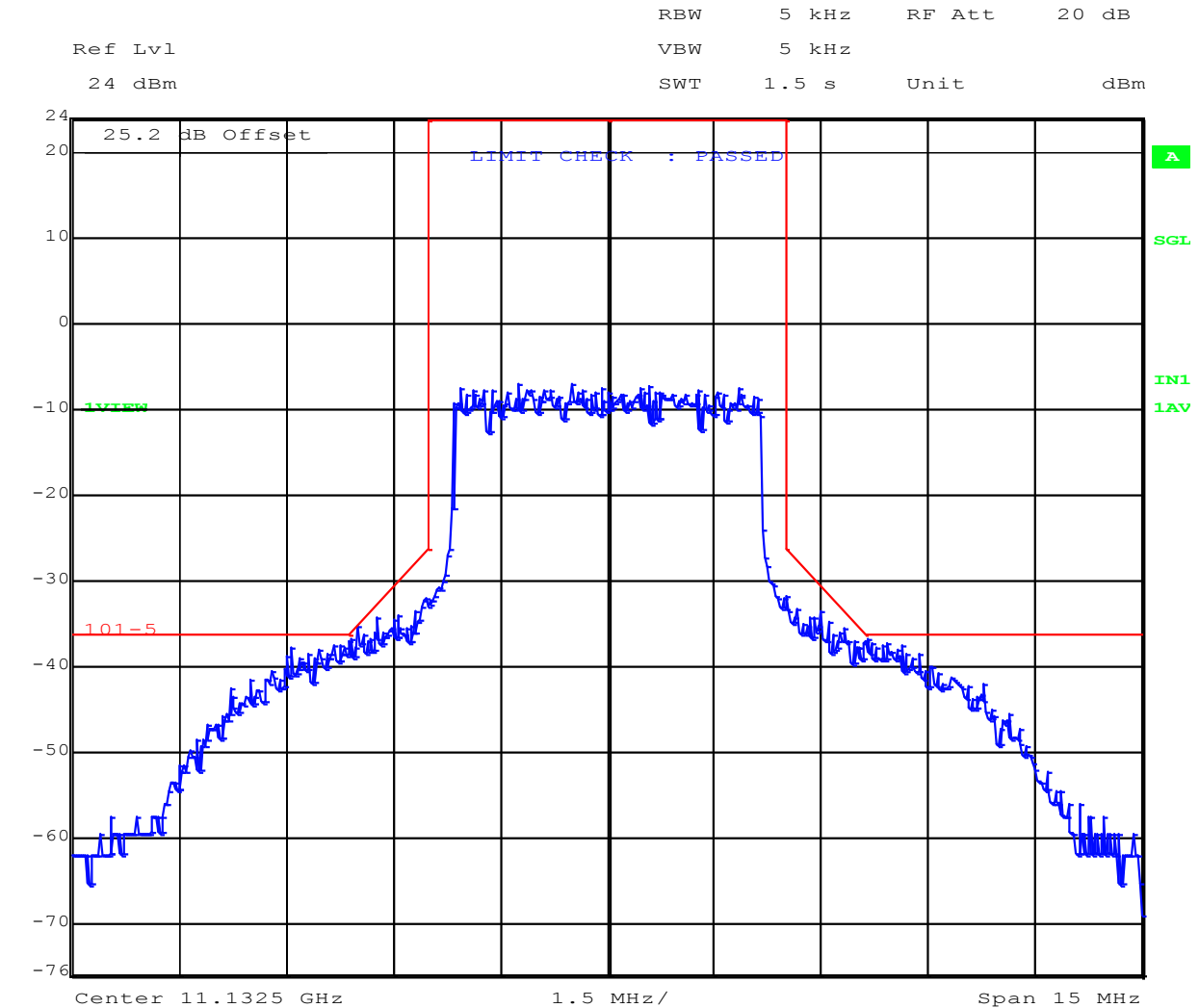


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 340 of 379



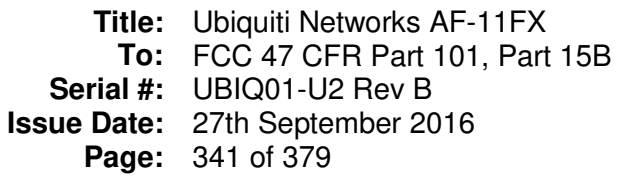
Spectrum Mask

Variant: 5MHz 1024QAM, Channel: 11.13 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 15:00:41

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



Ref	Lvl
24	dBm

SWT	1.5 s	Unit	dBm
-----	-------	------	-----



MiCOM Labs, 575 Boulder Court, Pleasanton, California 94566 USA, Phone: 925.462.0304, Fax: 925.462.0306, www.micomlabs.com

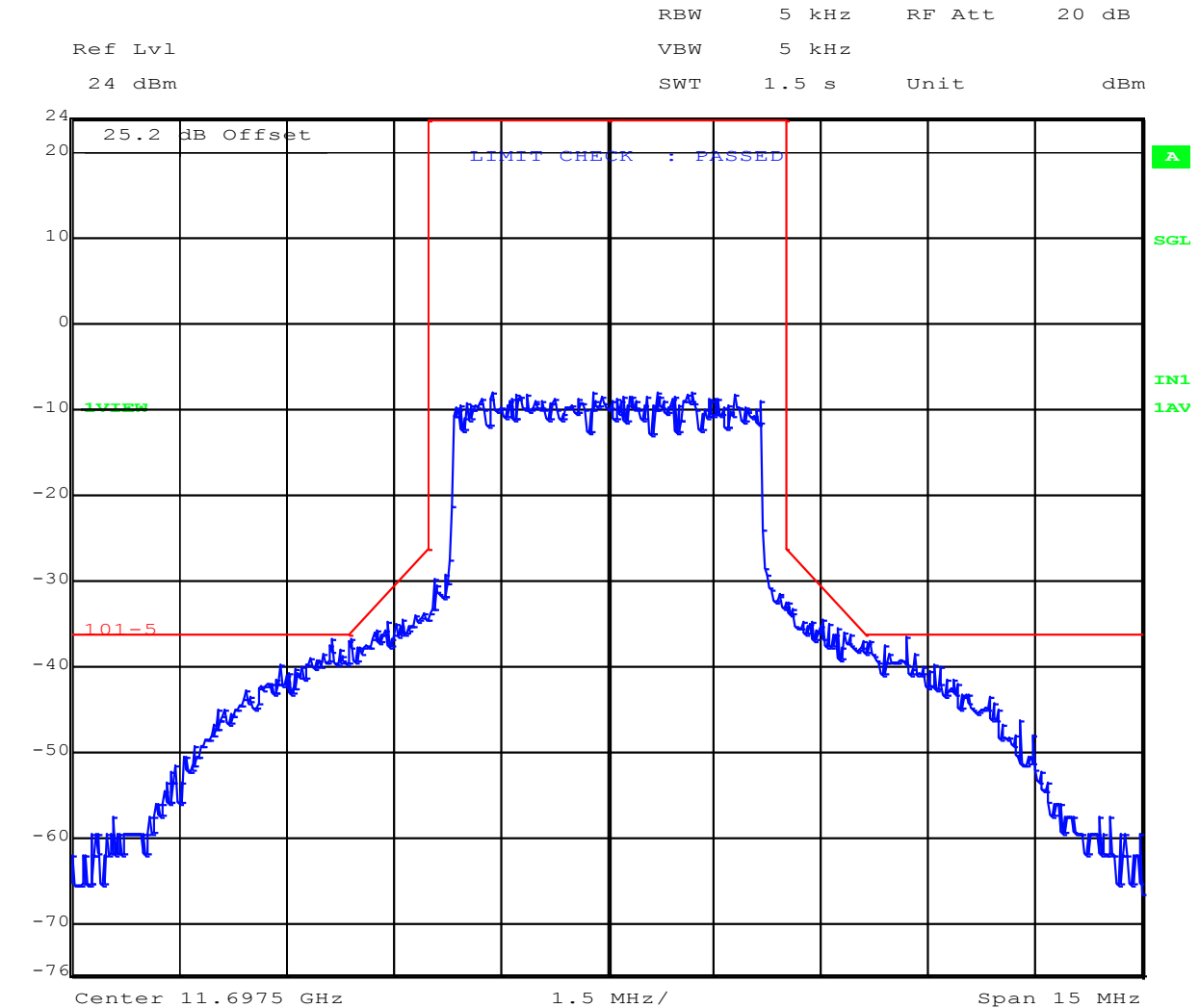


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 342 of 379



Spectrum Mask

Variant: 5MHz 1024QAM, Channel: 11.70 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

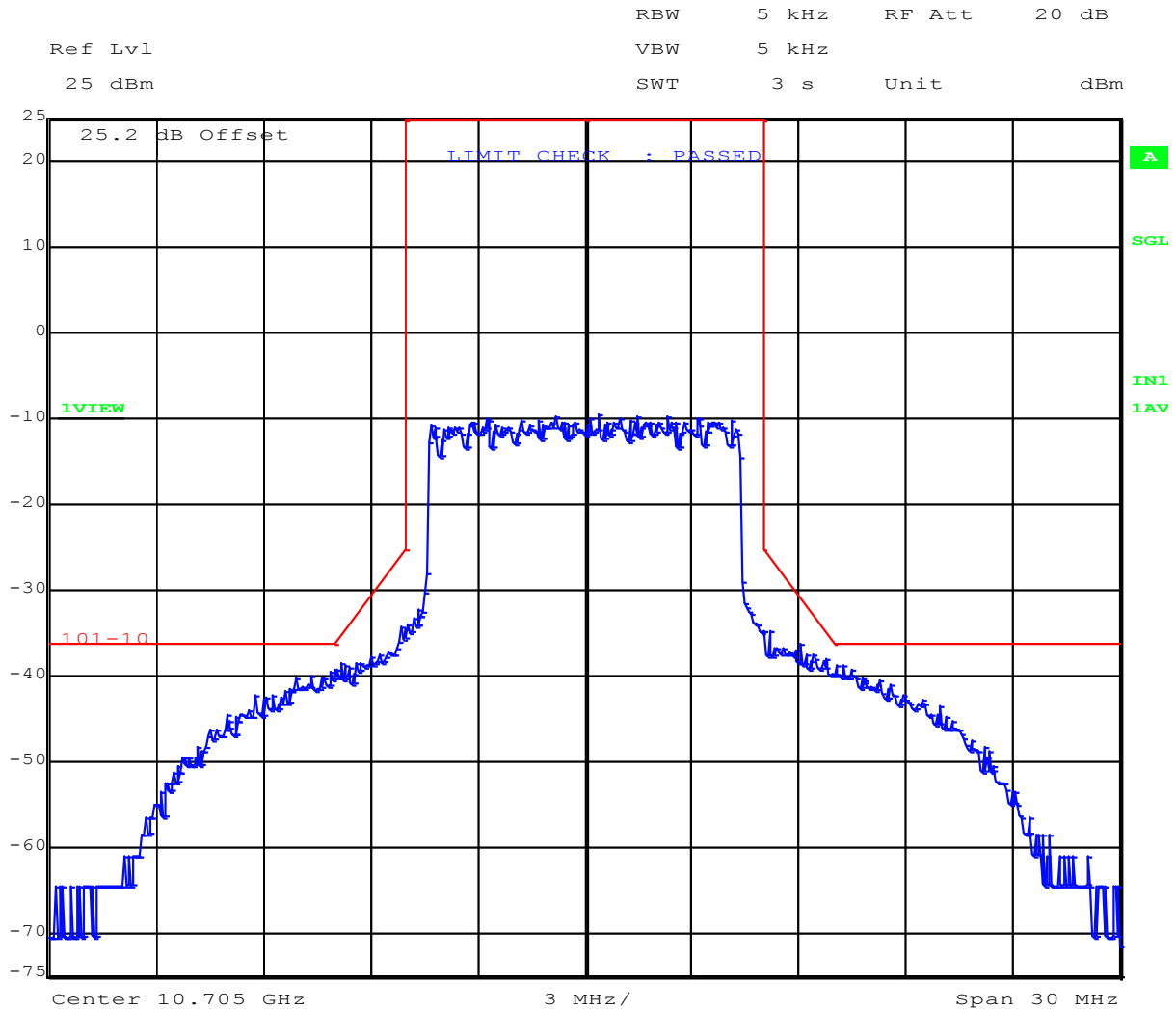


Date: 21.JUN.2016 14:56:59

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Spectrum Mask

Variant: 10MHz QPSK, Channel: 10.71 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 14:19:27

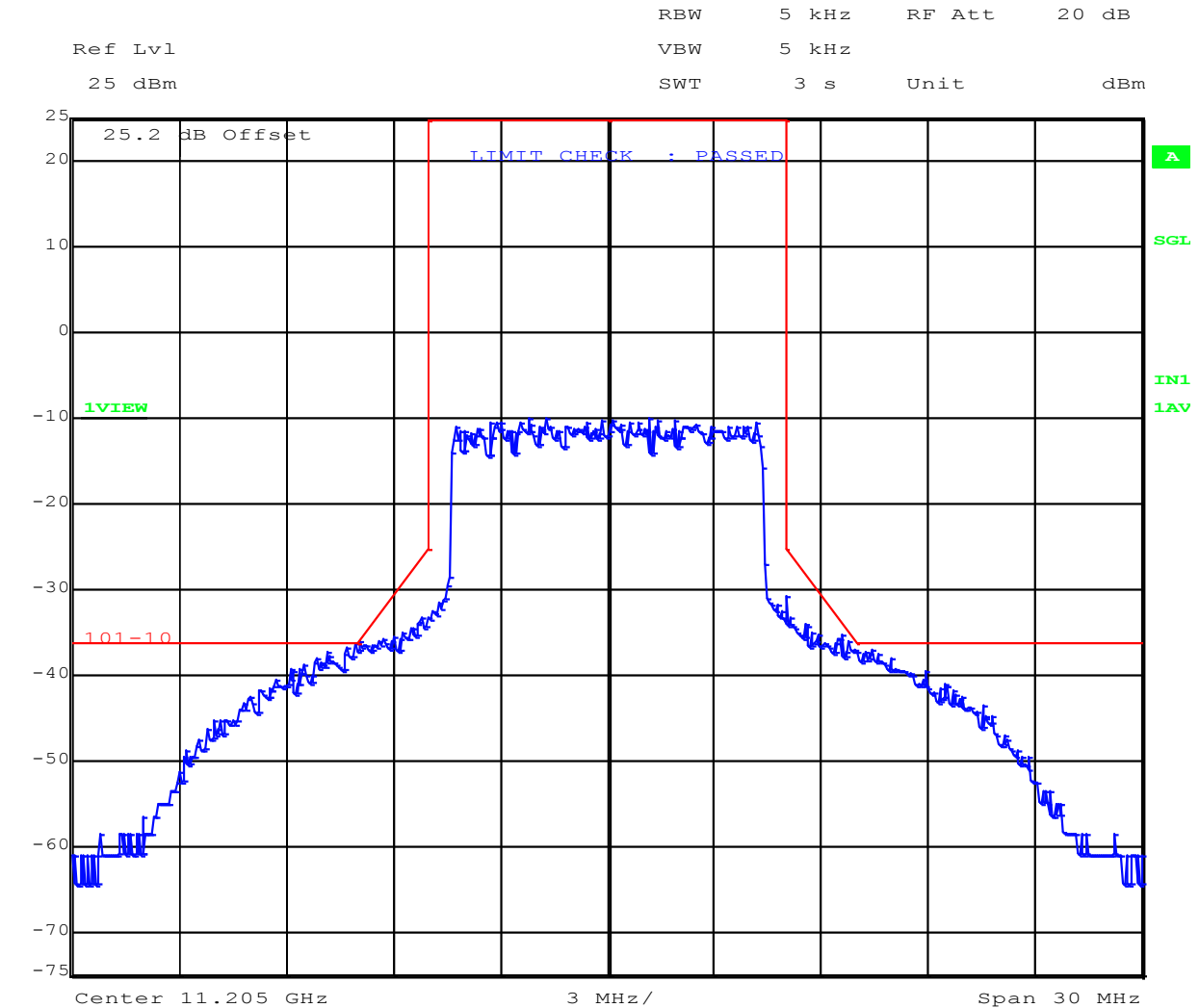


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 344 of 379



Spectrum Mask

Variant: 10MHz QPSK, Channel: 11.21 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

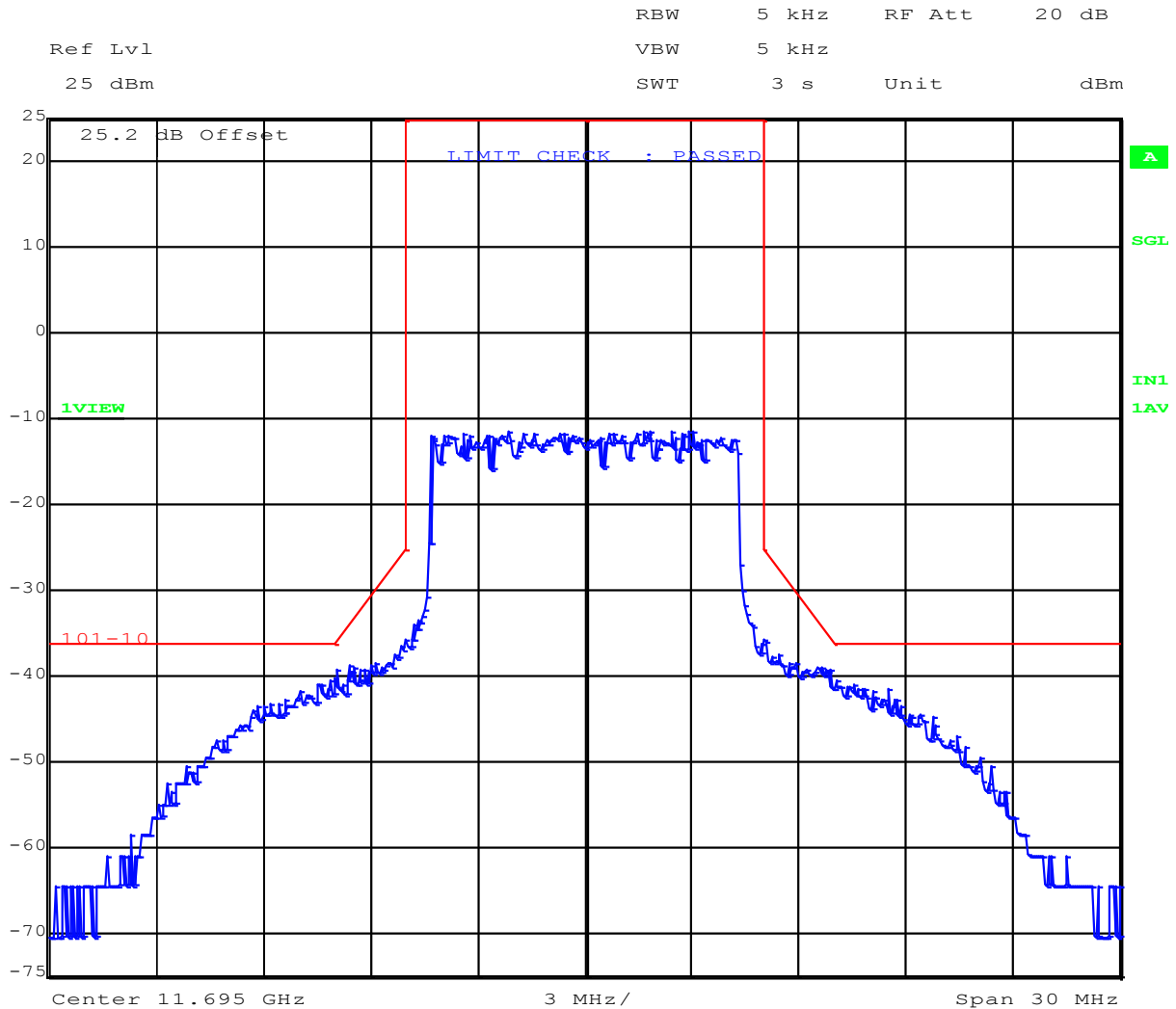


Date: 21.JUN.2016 14:20:41

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Spectrum Mask

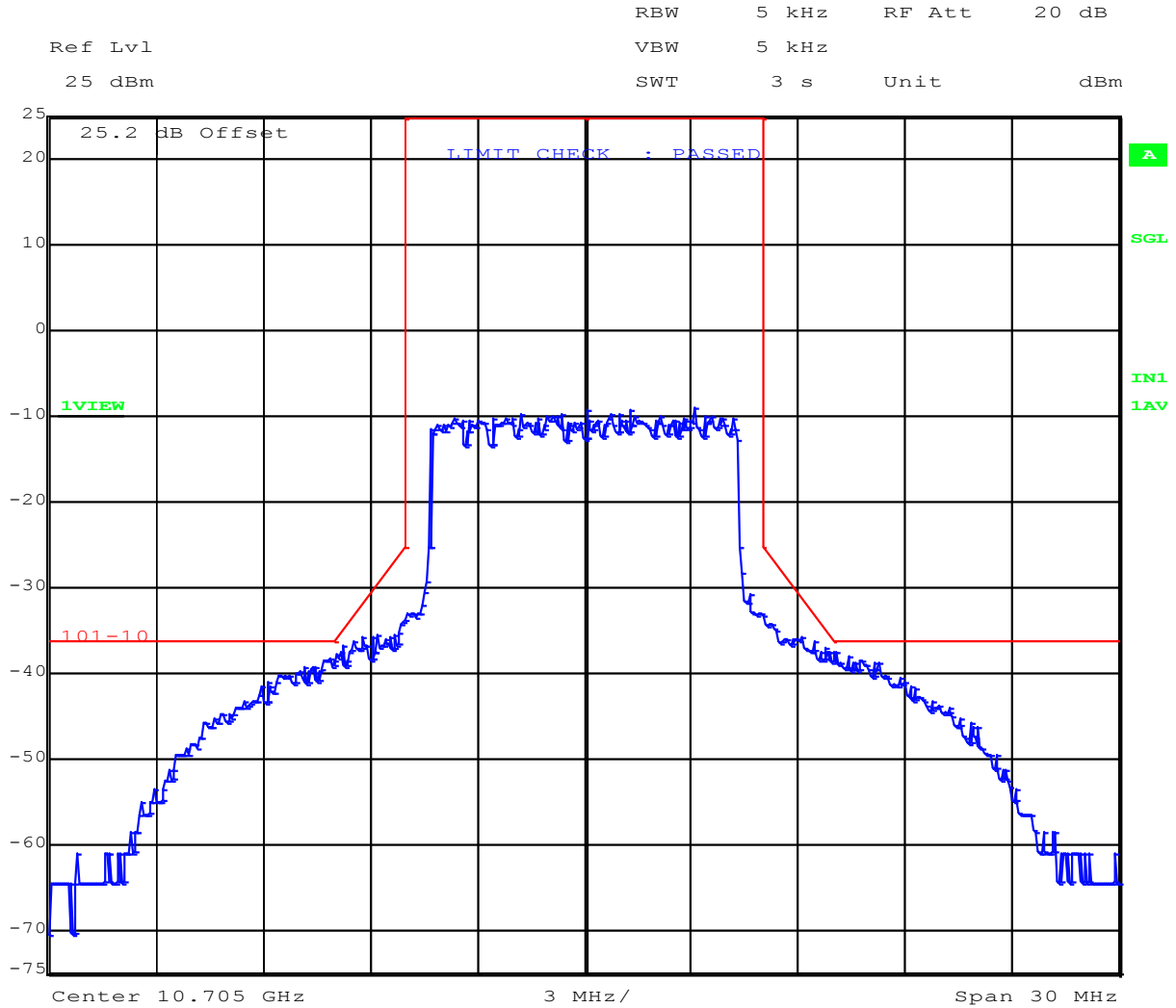
Variant: 10MHz QPSK, Channel: 11.70 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 14:23:41

Spectrum Mask

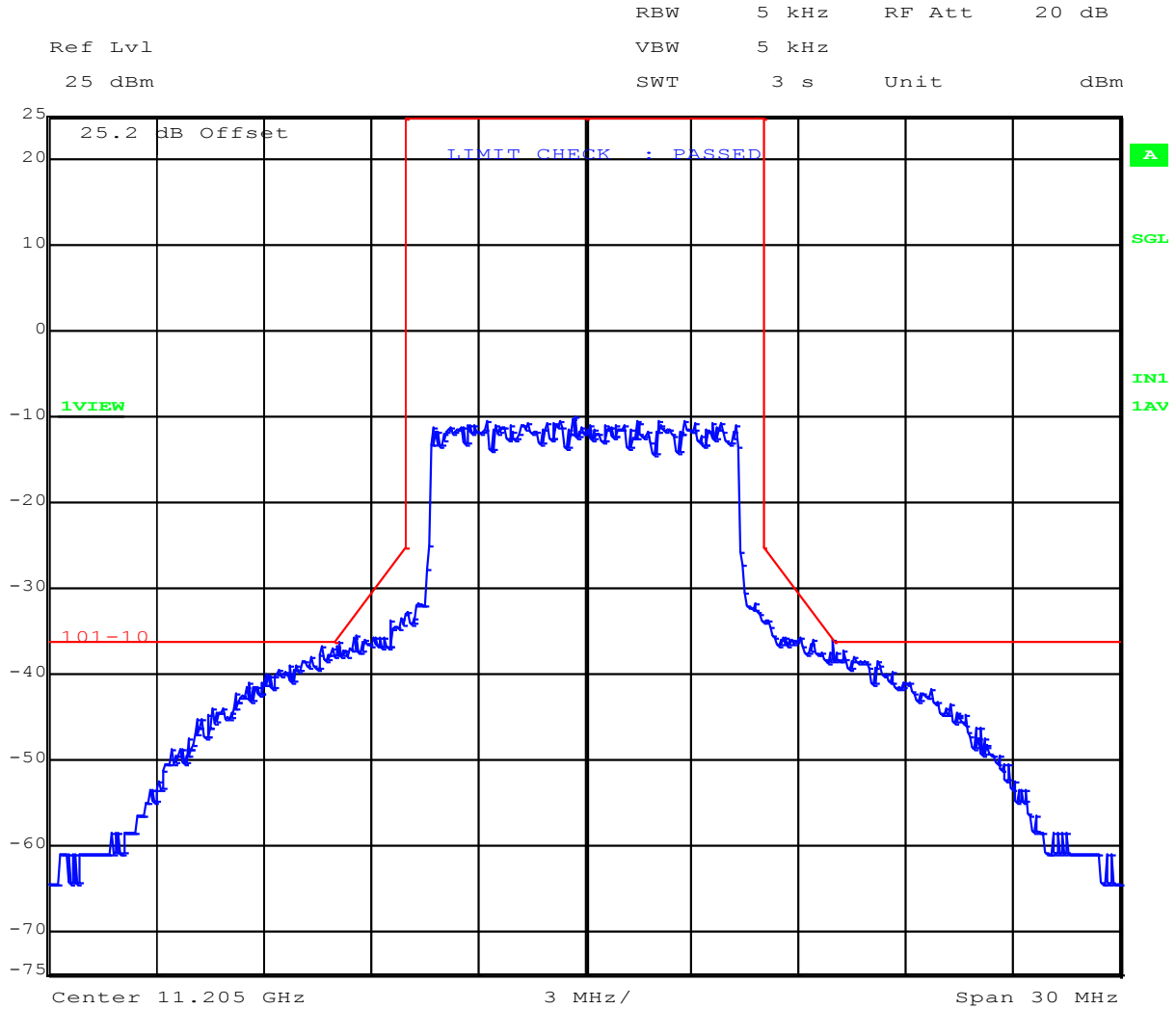
Variant: 10MHz 1024QAM, Channel: 10.71 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 14:30:54

Spectrum Mask

Variant: 10MHz 1024QAM, Channel: 11.21 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 14:28:10

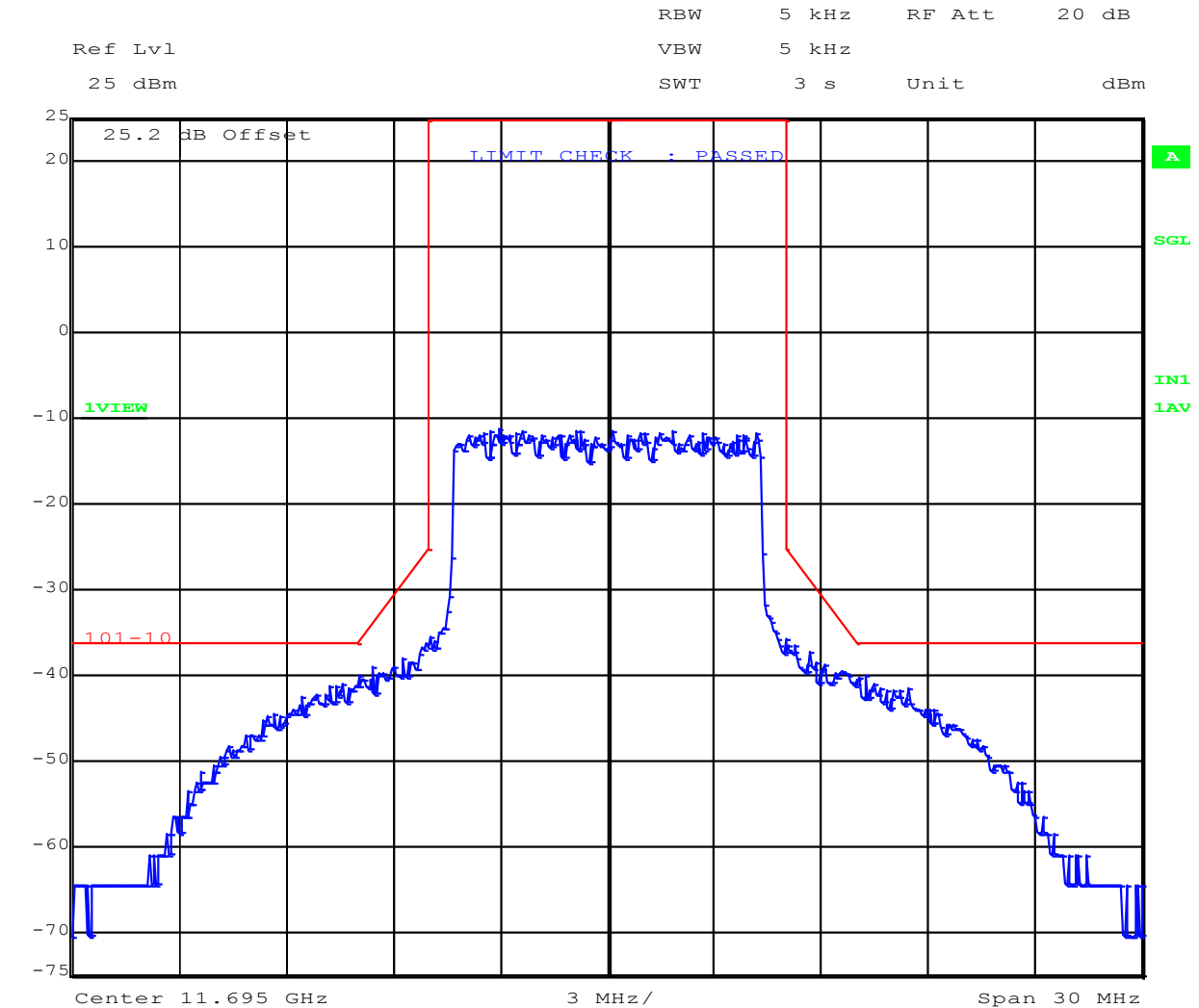


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 348 of 379



Spectrum Mask

Variant: 10MHz 1024QAM, Channel: 11.70 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



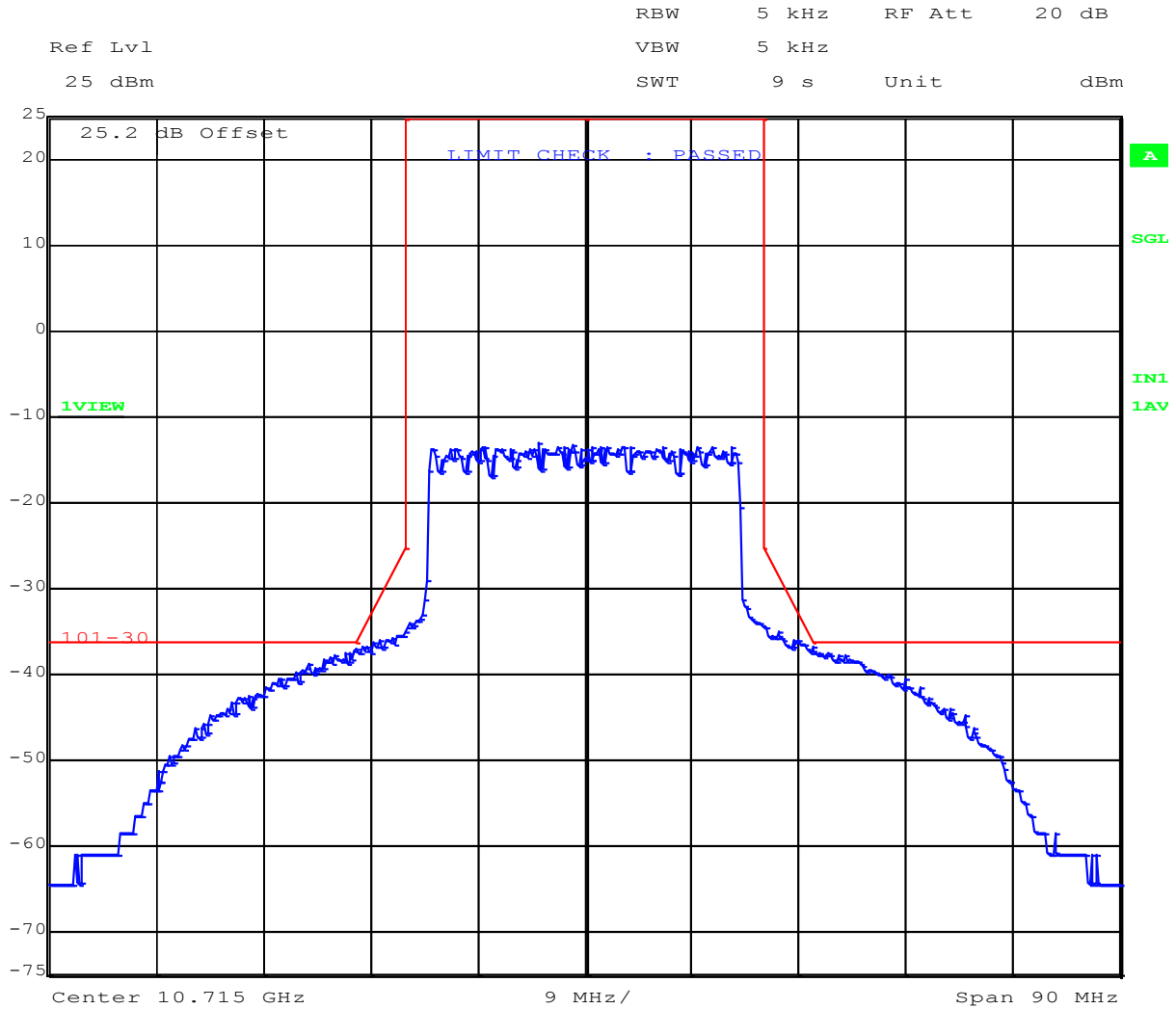
Date: 21.JUN.2016 14:24:04

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



Spectrum Mask

Variant: 30MHz QPSK, Channel: 10.74 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 14:03:41

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

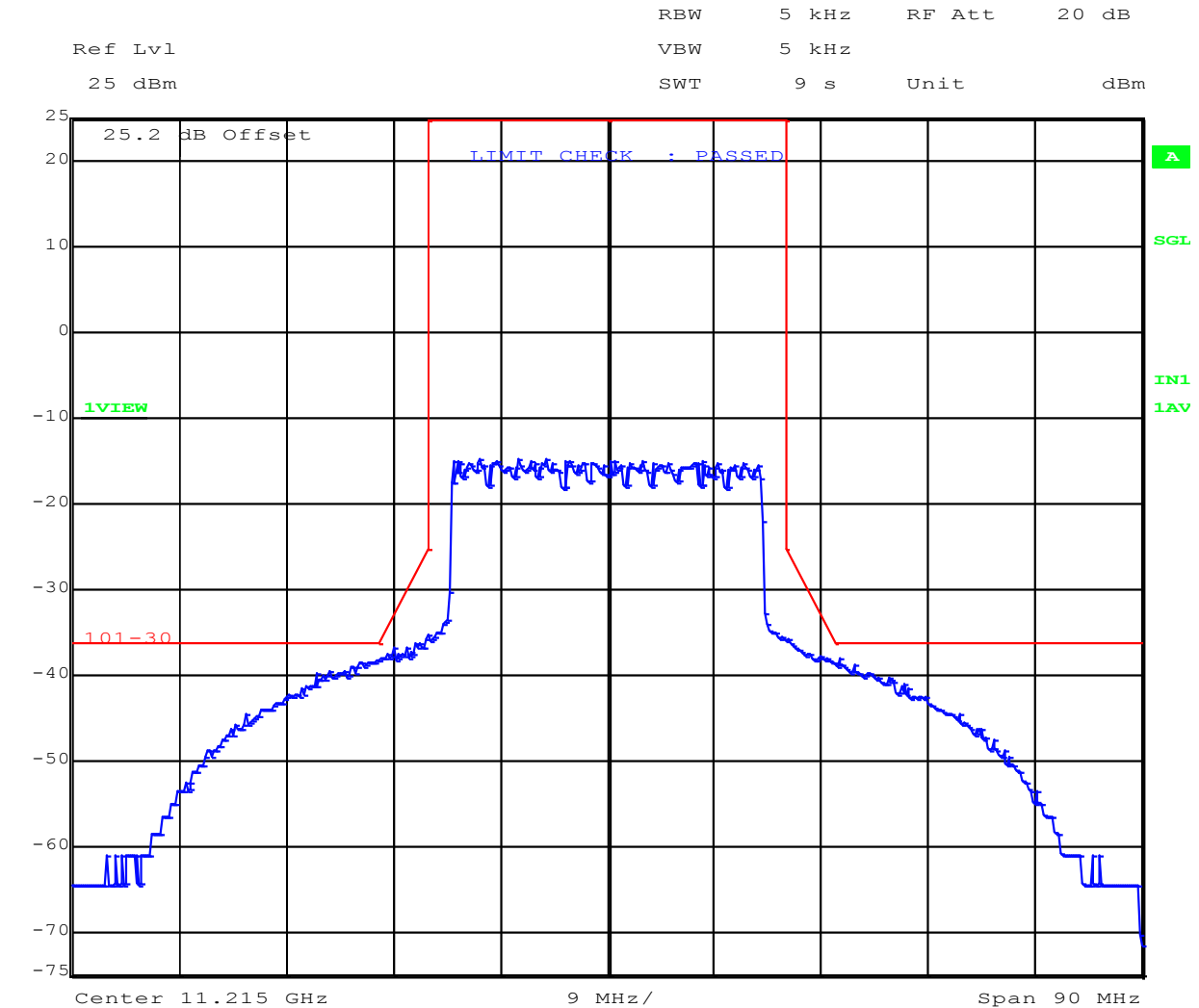


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 350 of 379



Spectrum Mask

Variant: 30MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

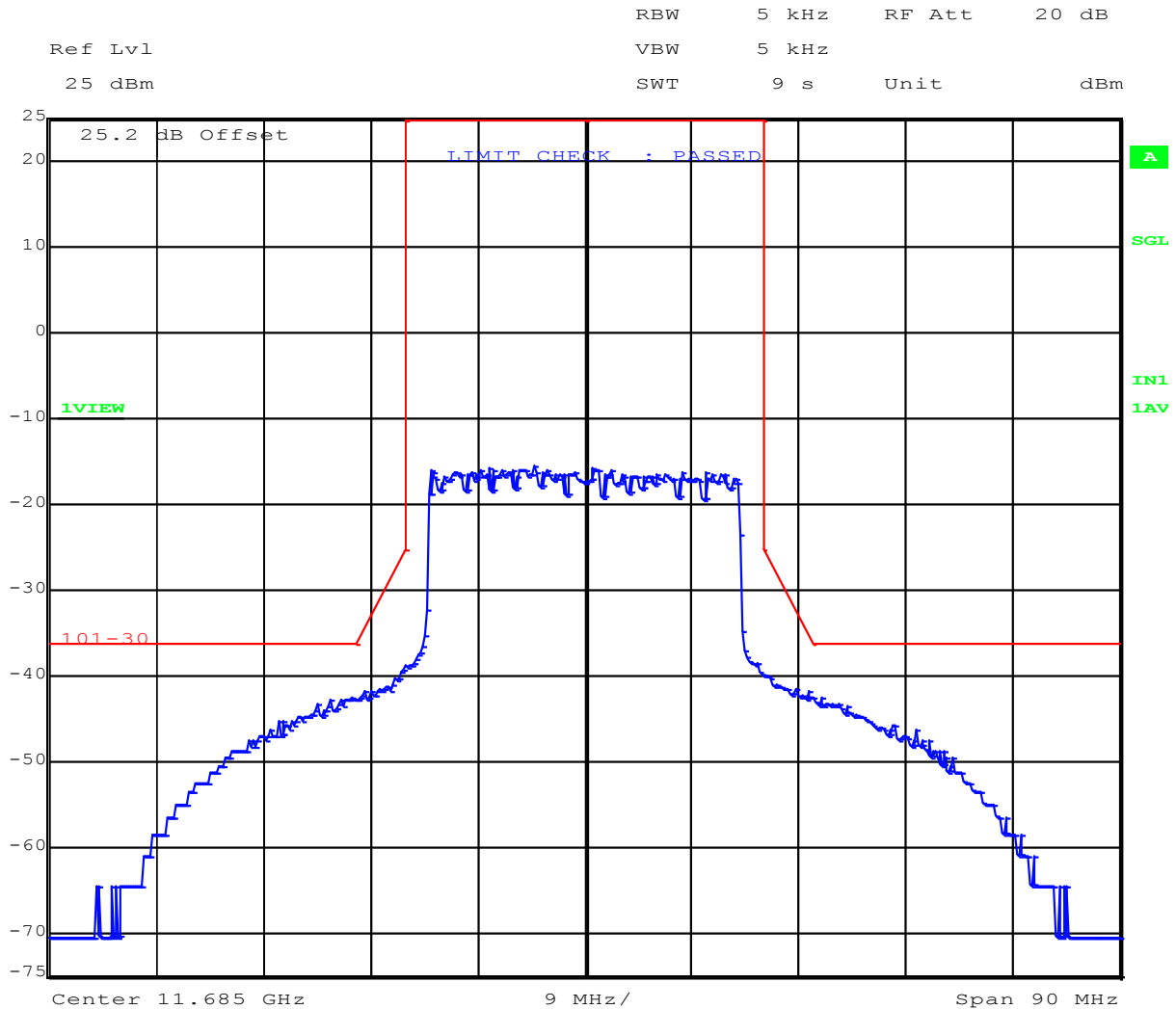


Date: 21.JUN.2016 14:05:50

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Spectrum Mask

Variant: 30MHz QPSK, Channel: 11.69 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



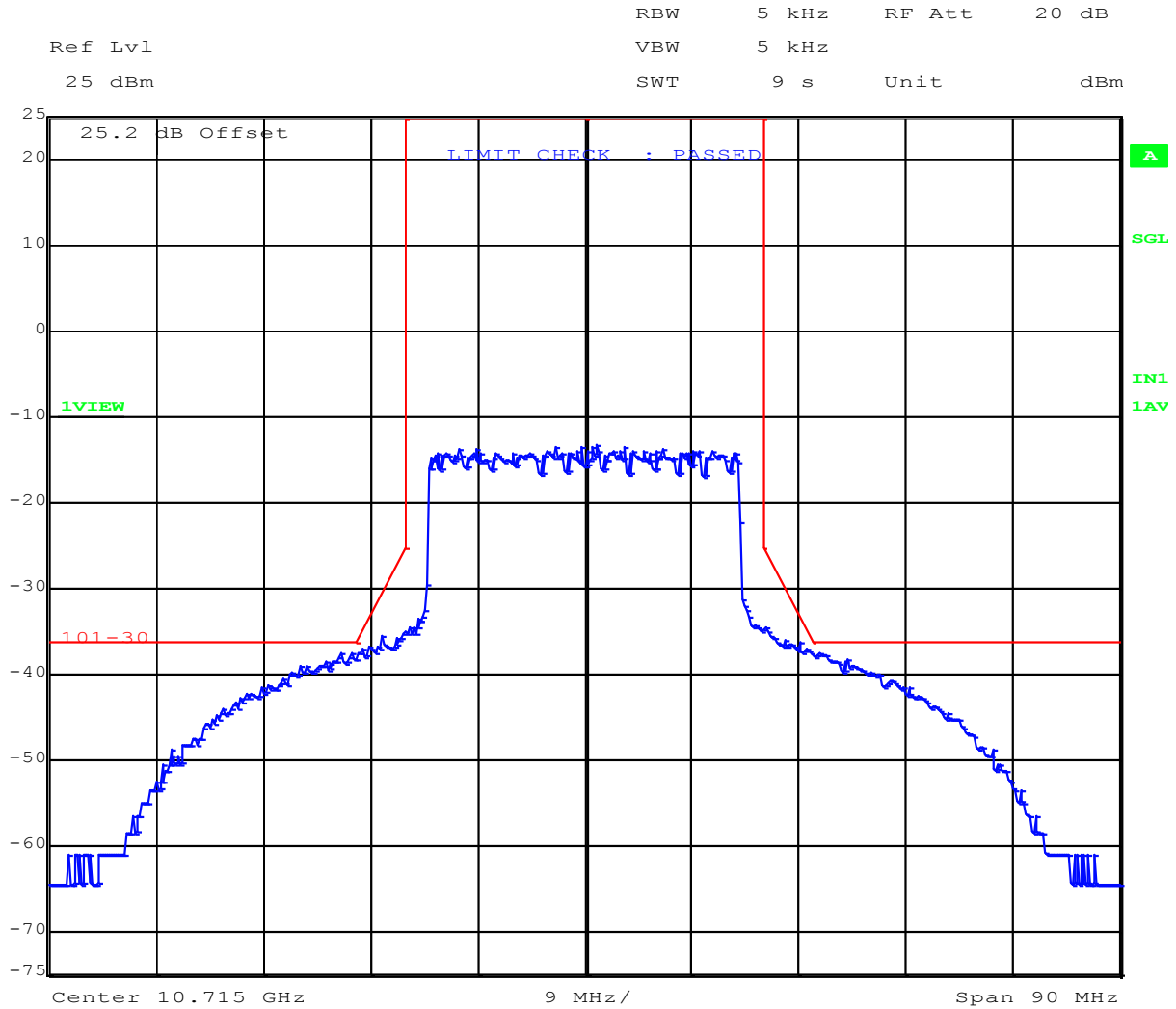
Date: 21.JUN.2016 14:09:23

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



Spectrum Mask

Variant: 30MHz 1024QAM, Channel: 10.72 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 14:13:55

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

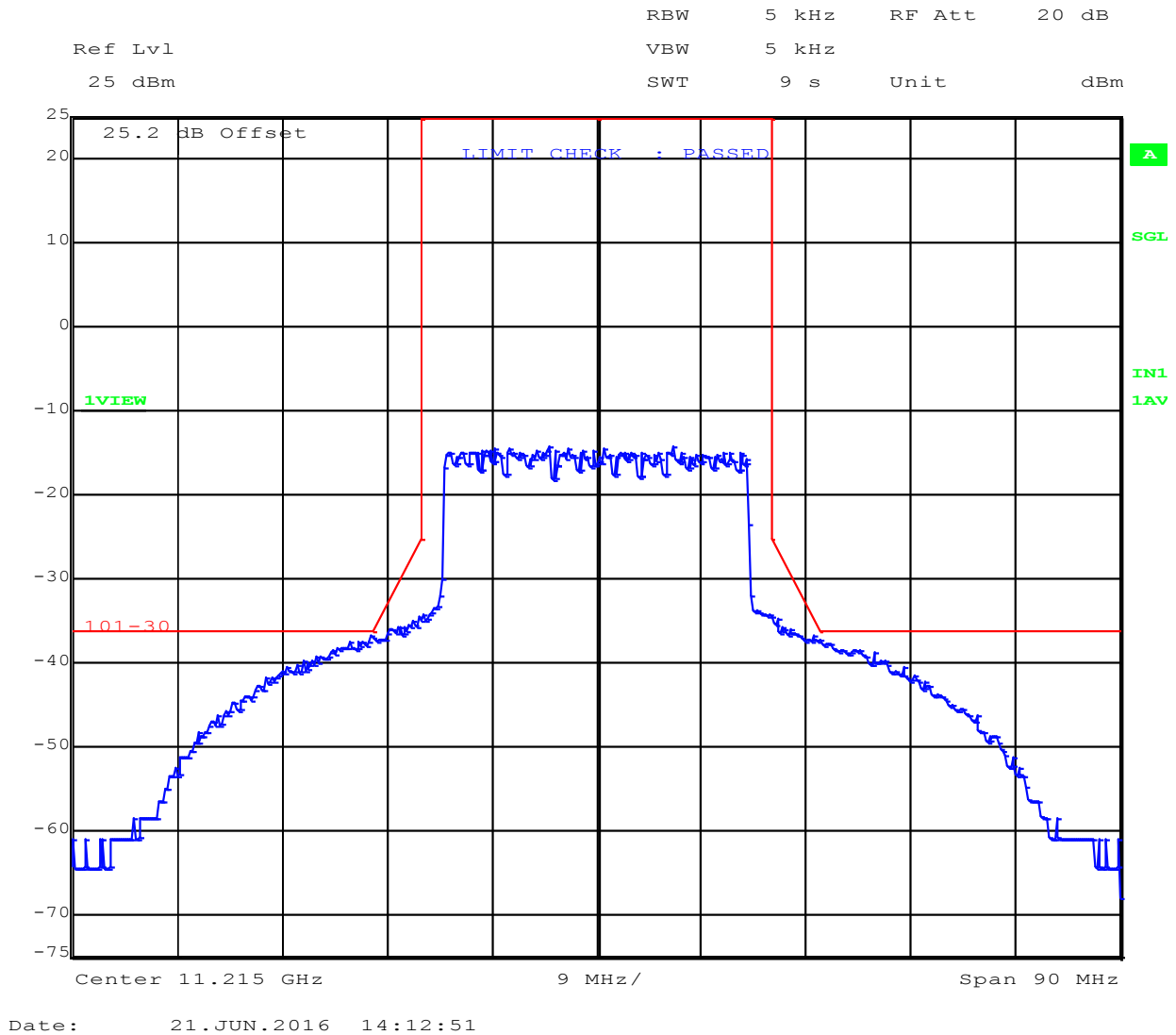


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 353 of 379



Spectrum Mask

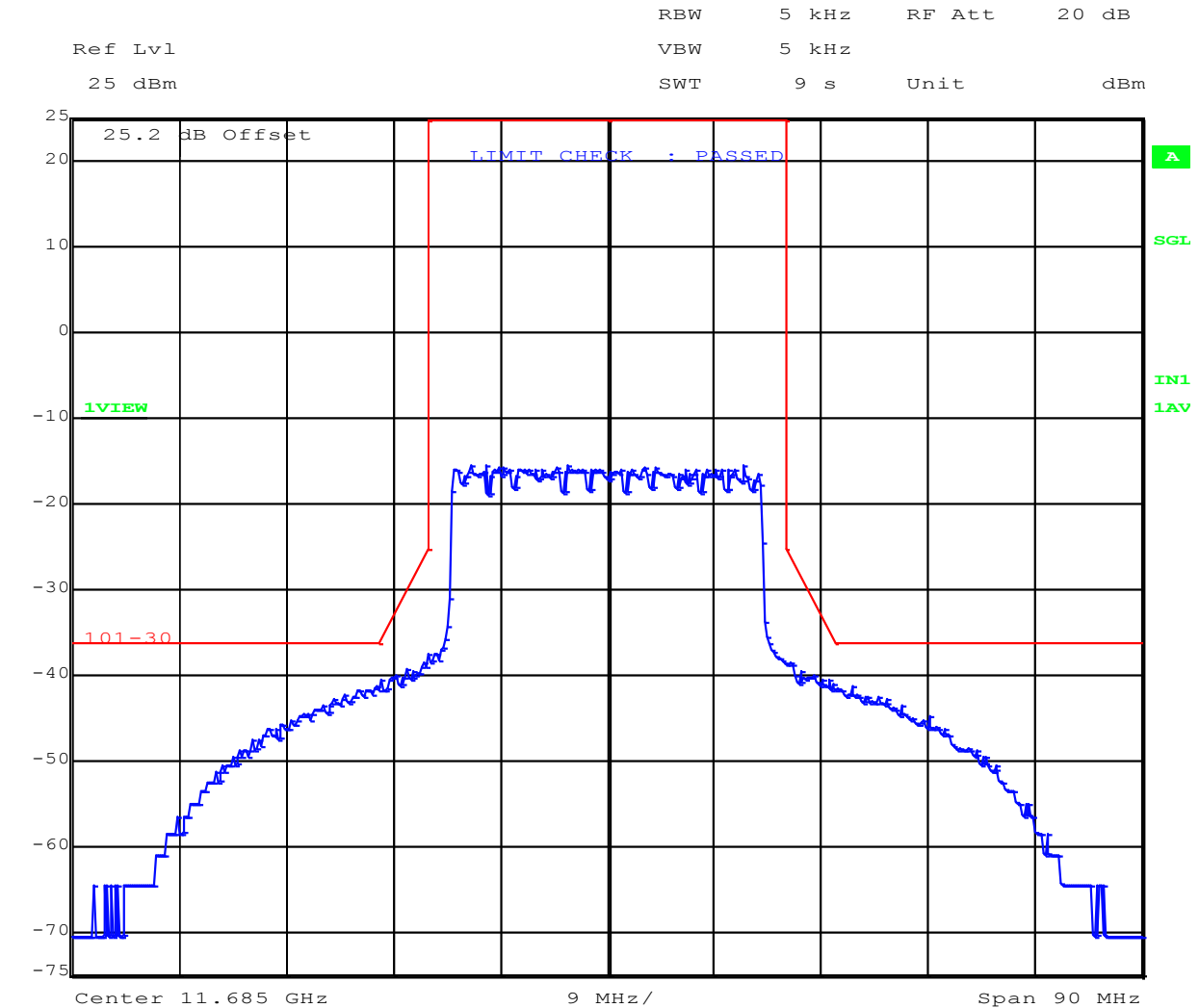
Variant: 30MHz 1024QAM, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Spectrum Mask

Variant: 30MHz 1024QAM, Channel: 11.69 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 14:11:04

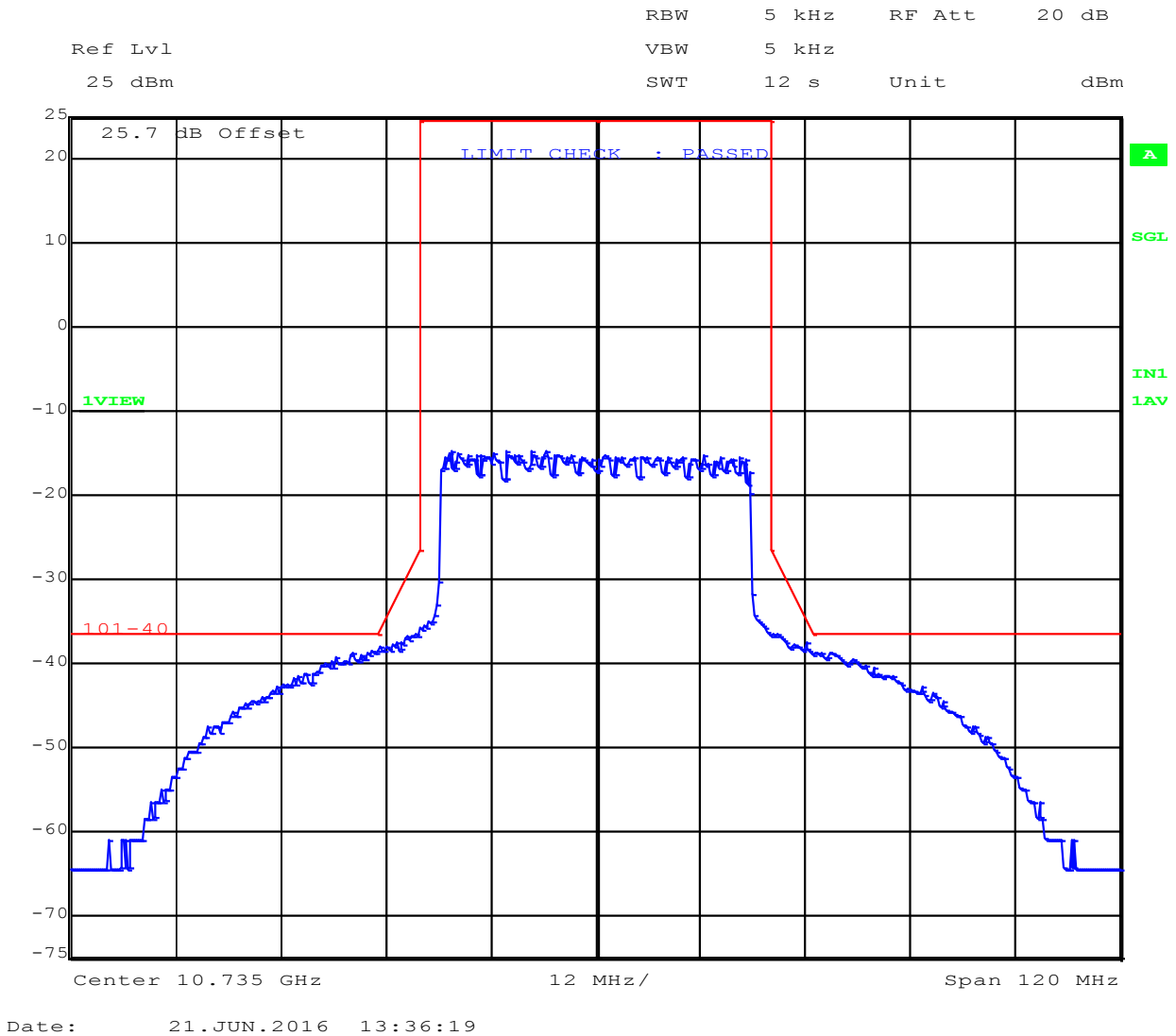


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 355 of 379



Spectrum Mask

Variant: 40MHz QPSK, Channel: 10.74 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

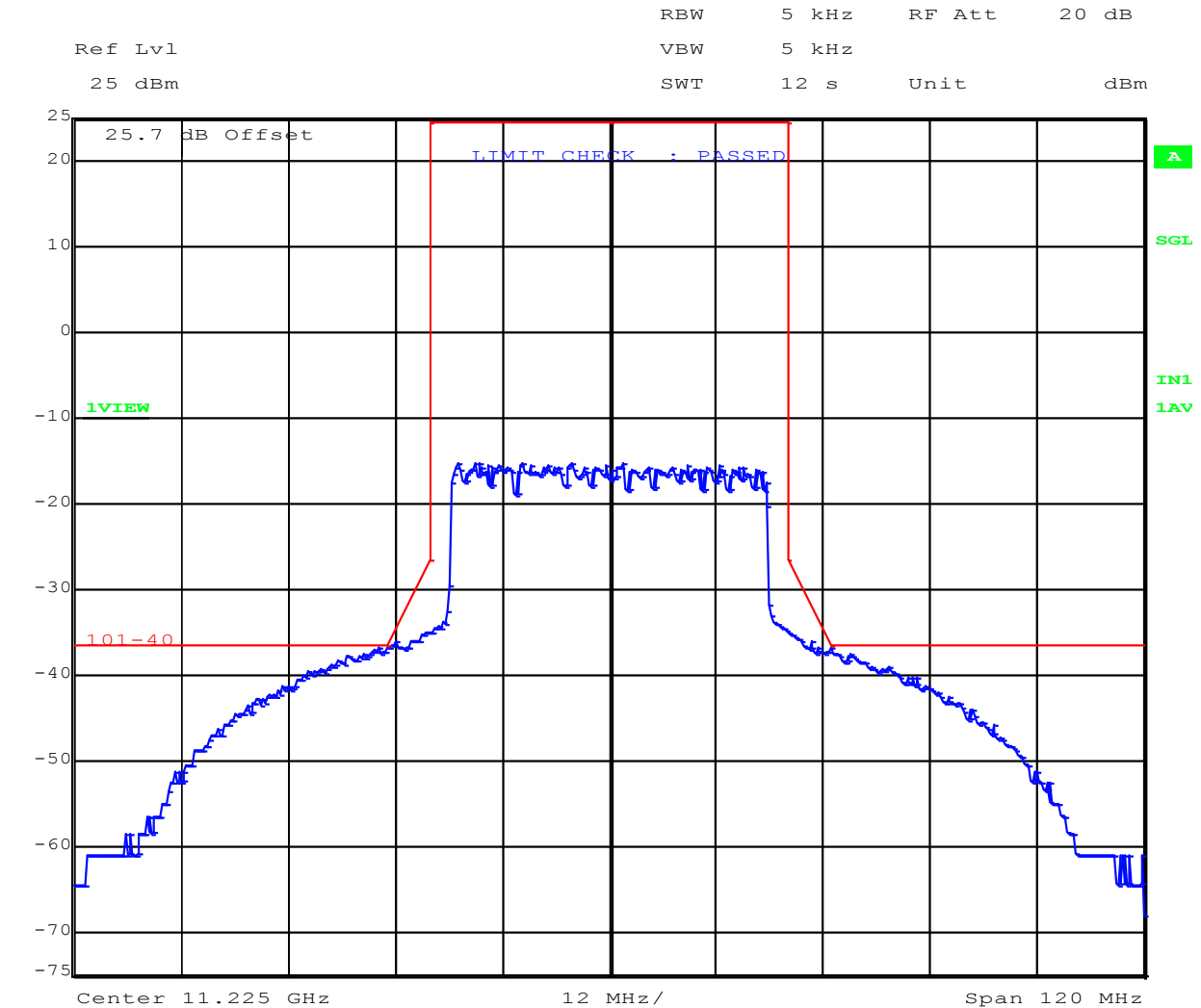


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 356 of 379



Spectrum Mask

Variant: 40MHz QPSK, Channel: 11.23 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 13:40:42

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

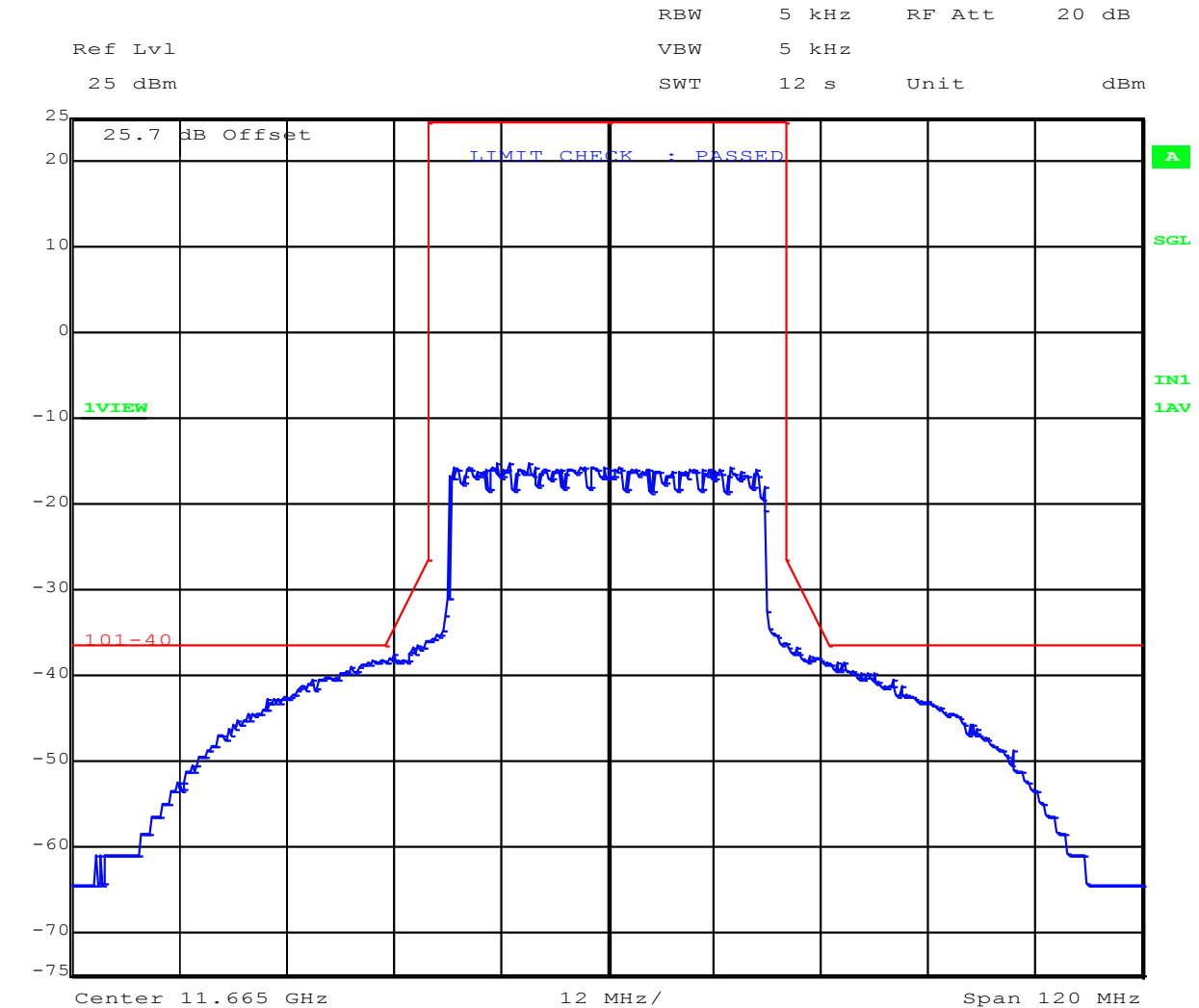


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 357 of 379



Spectrum Mask

Variant: 40MHz QPSK, Channel: 11.67 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



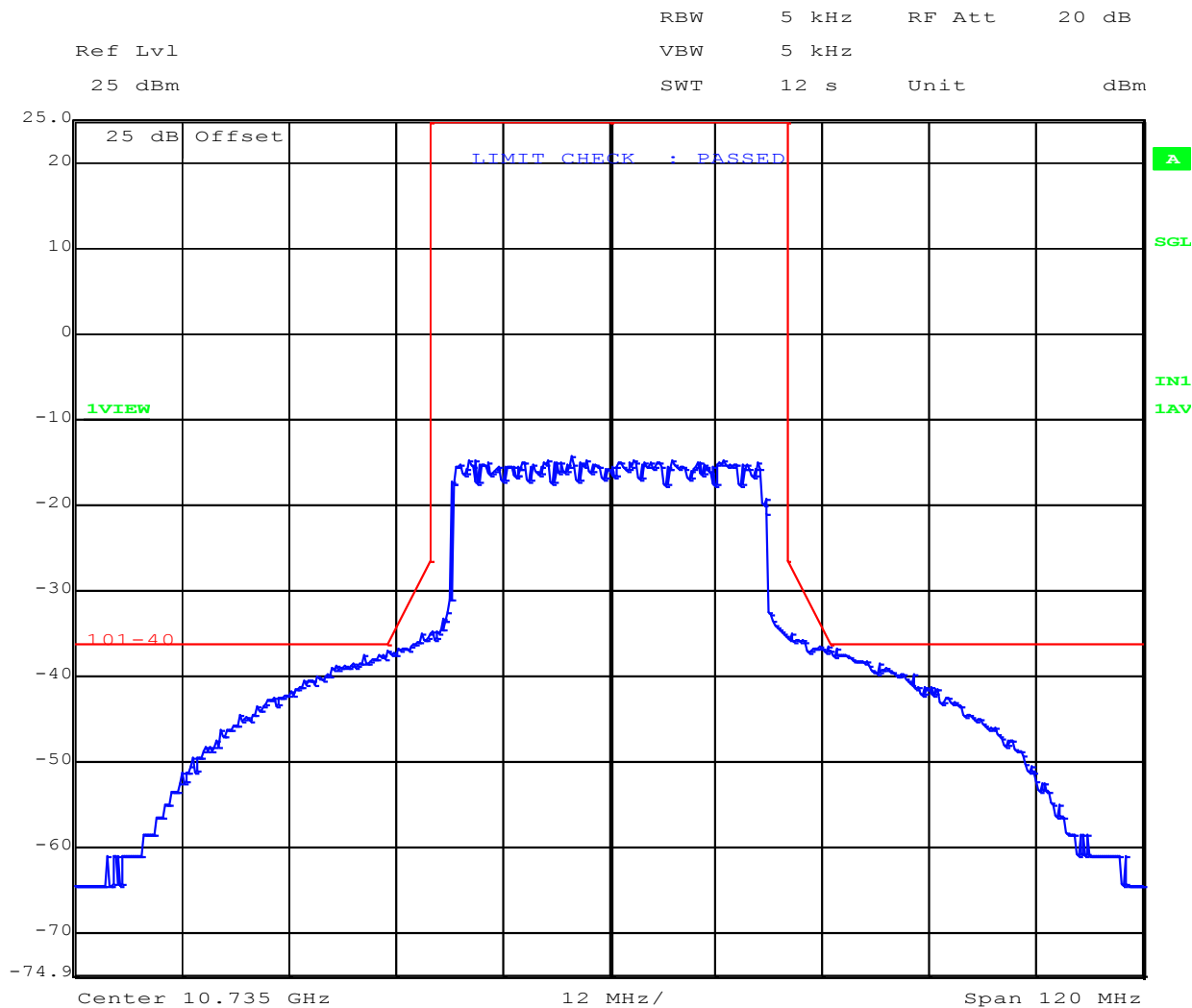
Date: 21.JUN.2016 13:42:58

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



Spectrum Mask

Variant: 40MHz 1024QAM, Channel: 10.74 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 13:51:12

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

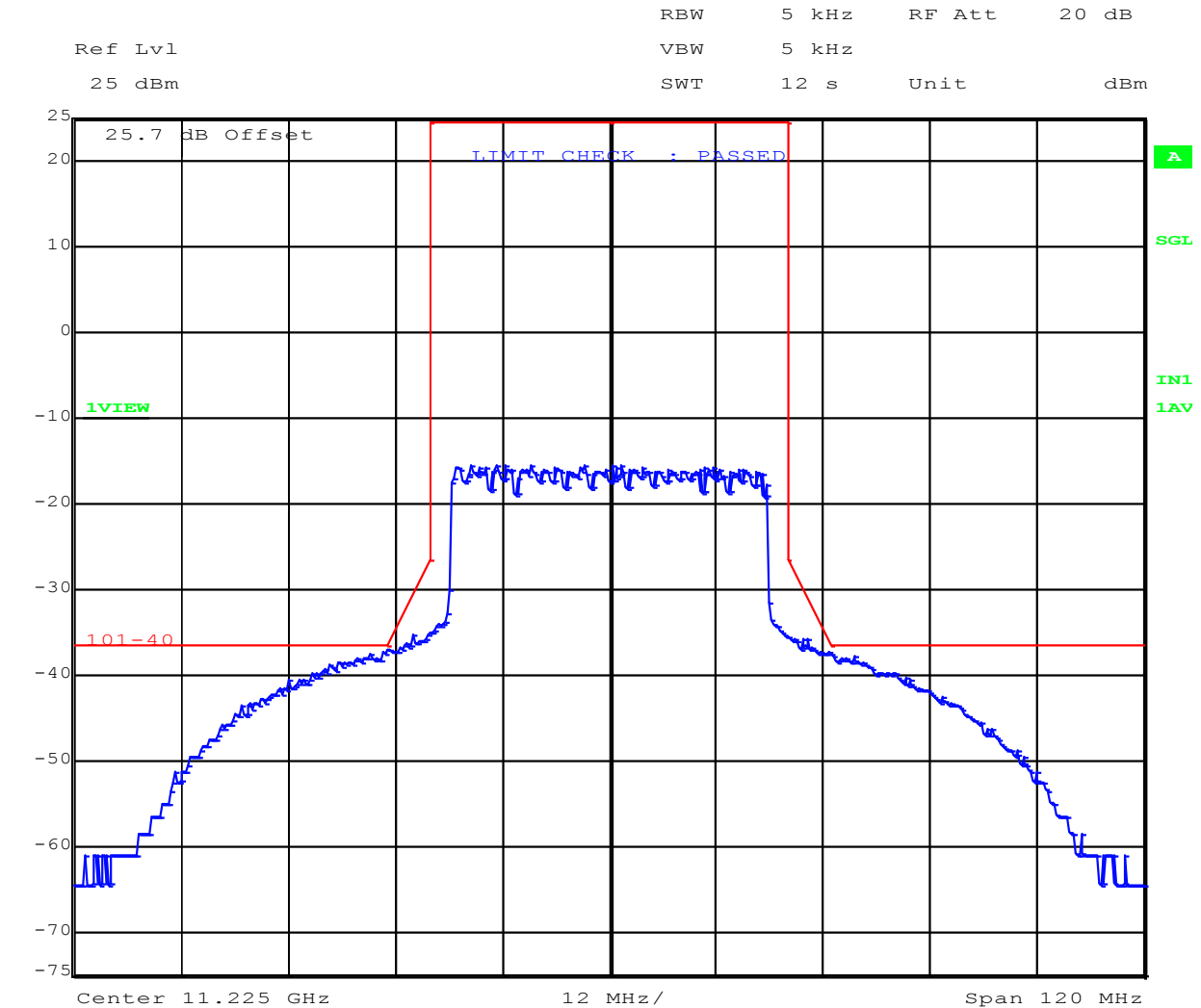


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 359 of 379



Spectrum Mask

Variant: 40MHz 1024QAM, Channel: 11.23 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 13:46:23

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

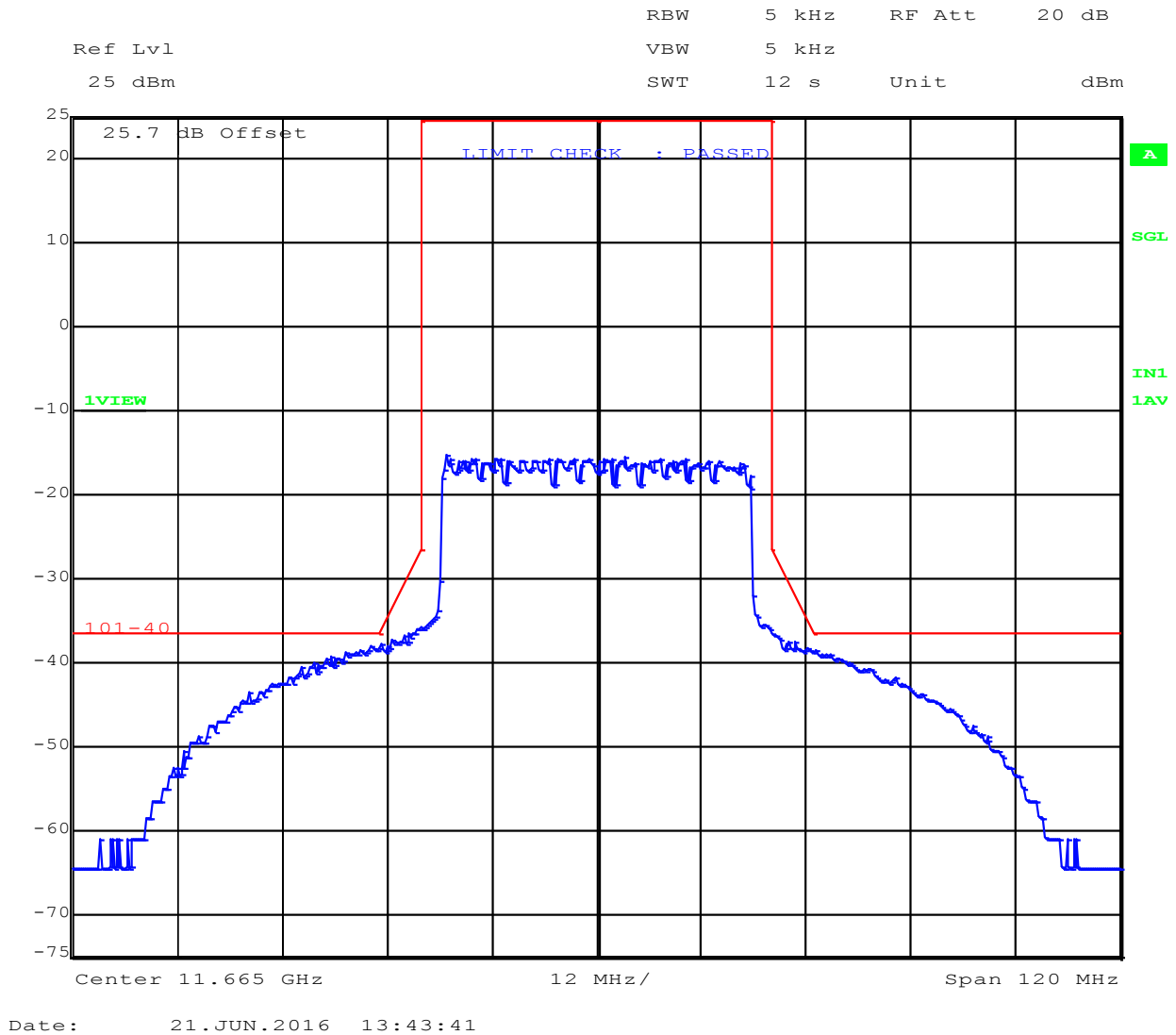


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 360 of 379



Spectrum Mask

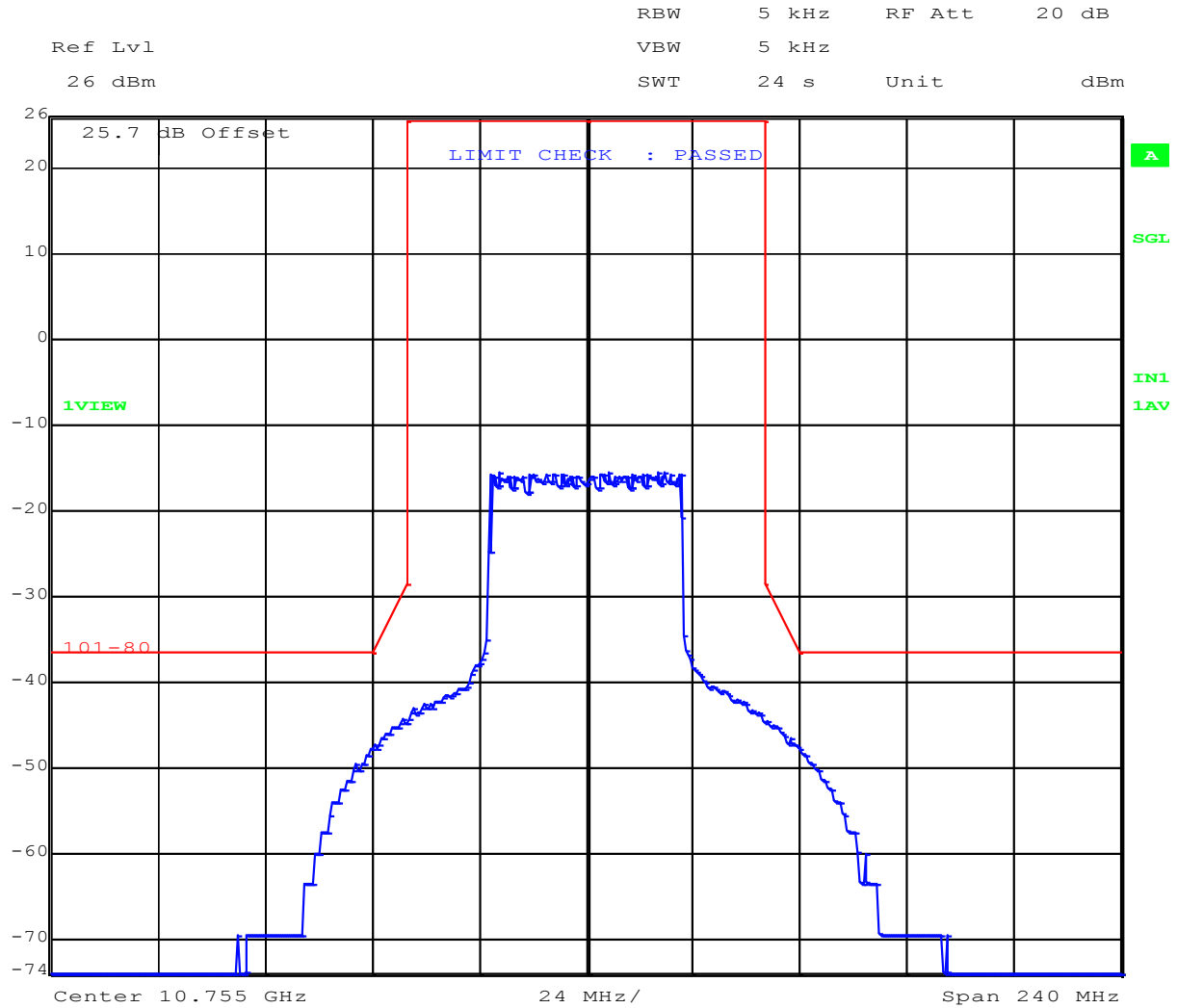
Variant: 40MHz 1024QAM, Channel: 11.67 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Spectrum Mask (80)

Variant: 50MHz QPSK, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

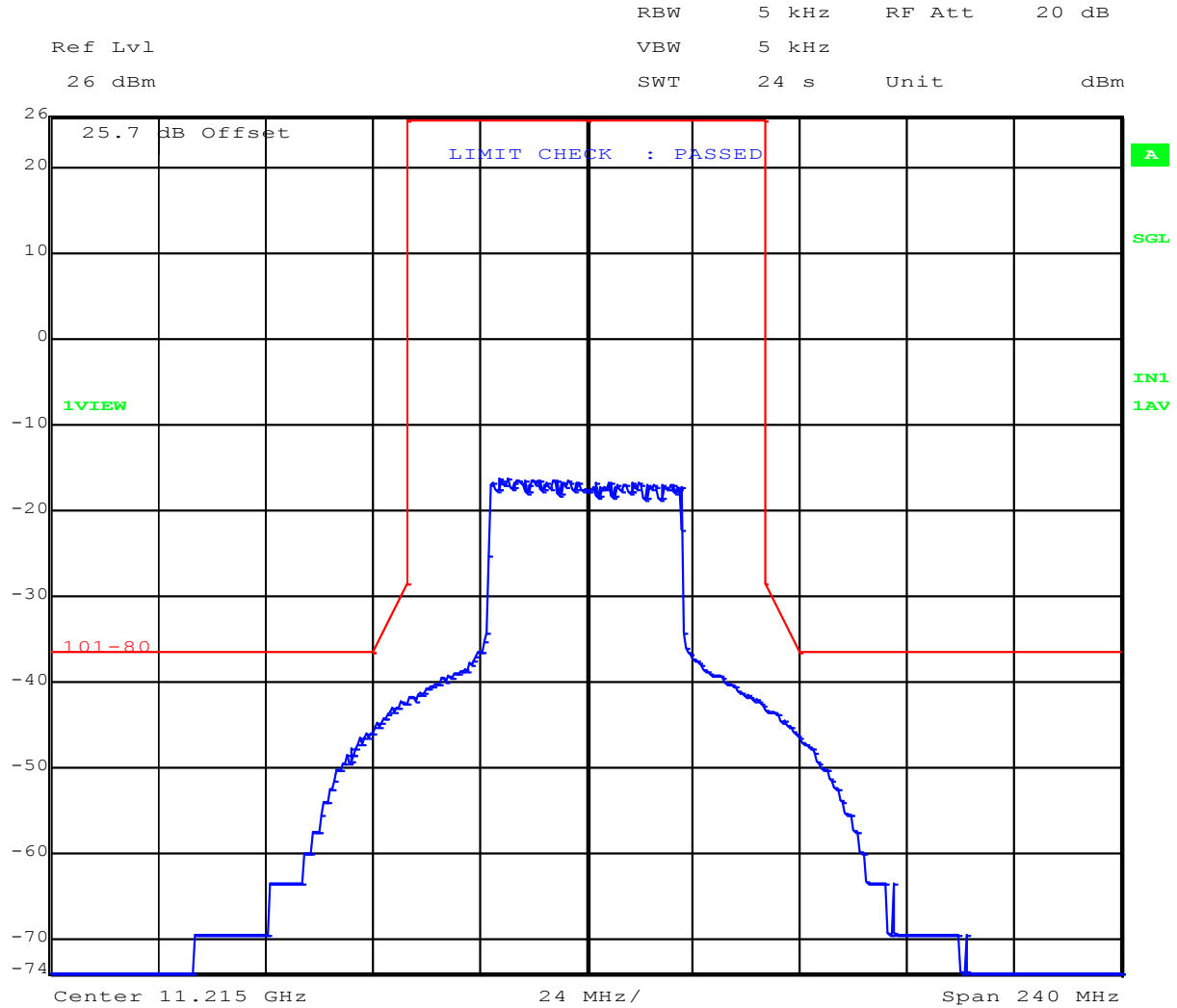


Date: 21.JUN.2016 11:38:12



Spectrum Mask (80)

Variant: 50MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

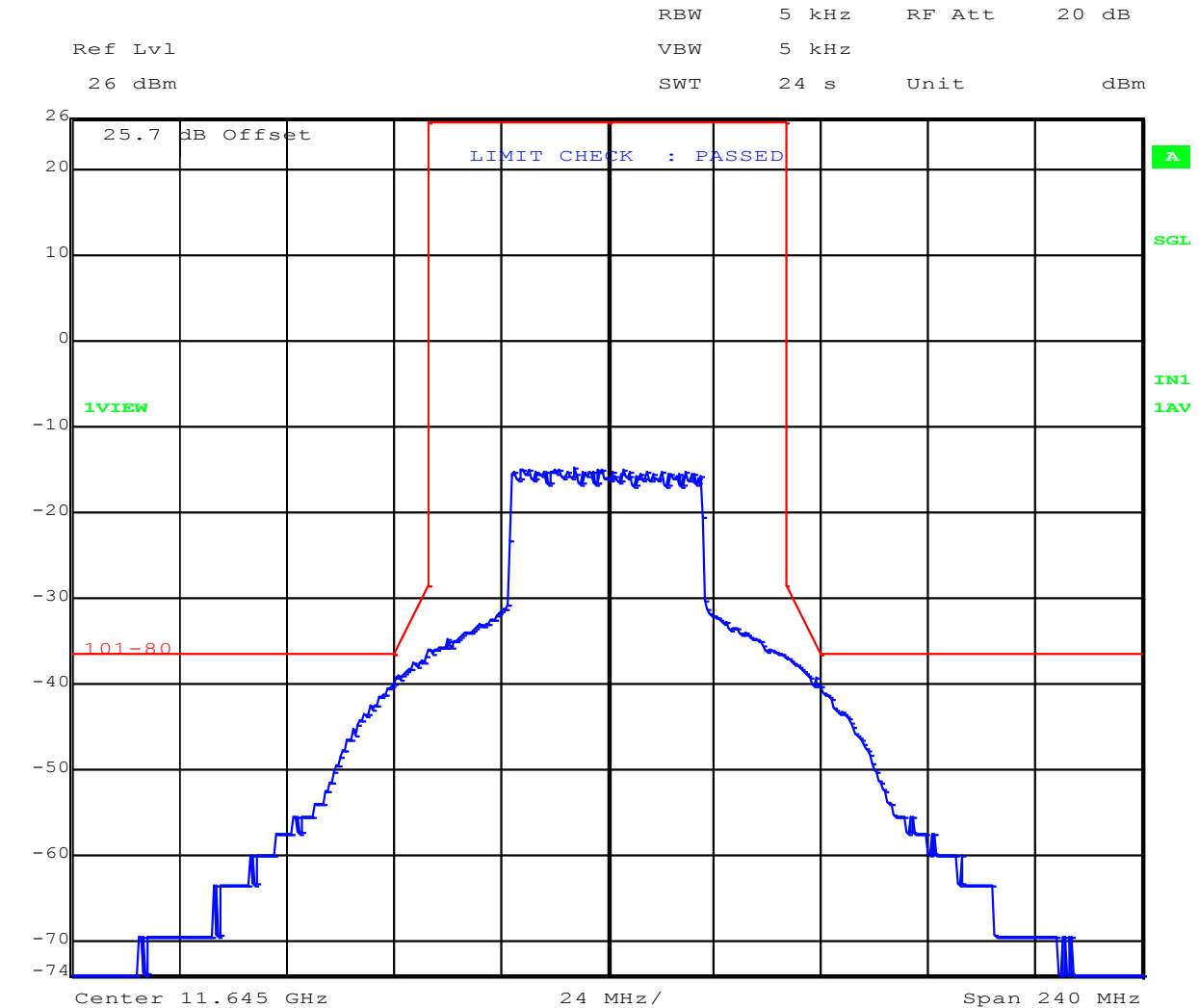


Date: 21.JUN.2016 11:40:32

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Spectrum Mask (80)

Variant: 50MHz QPSK, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

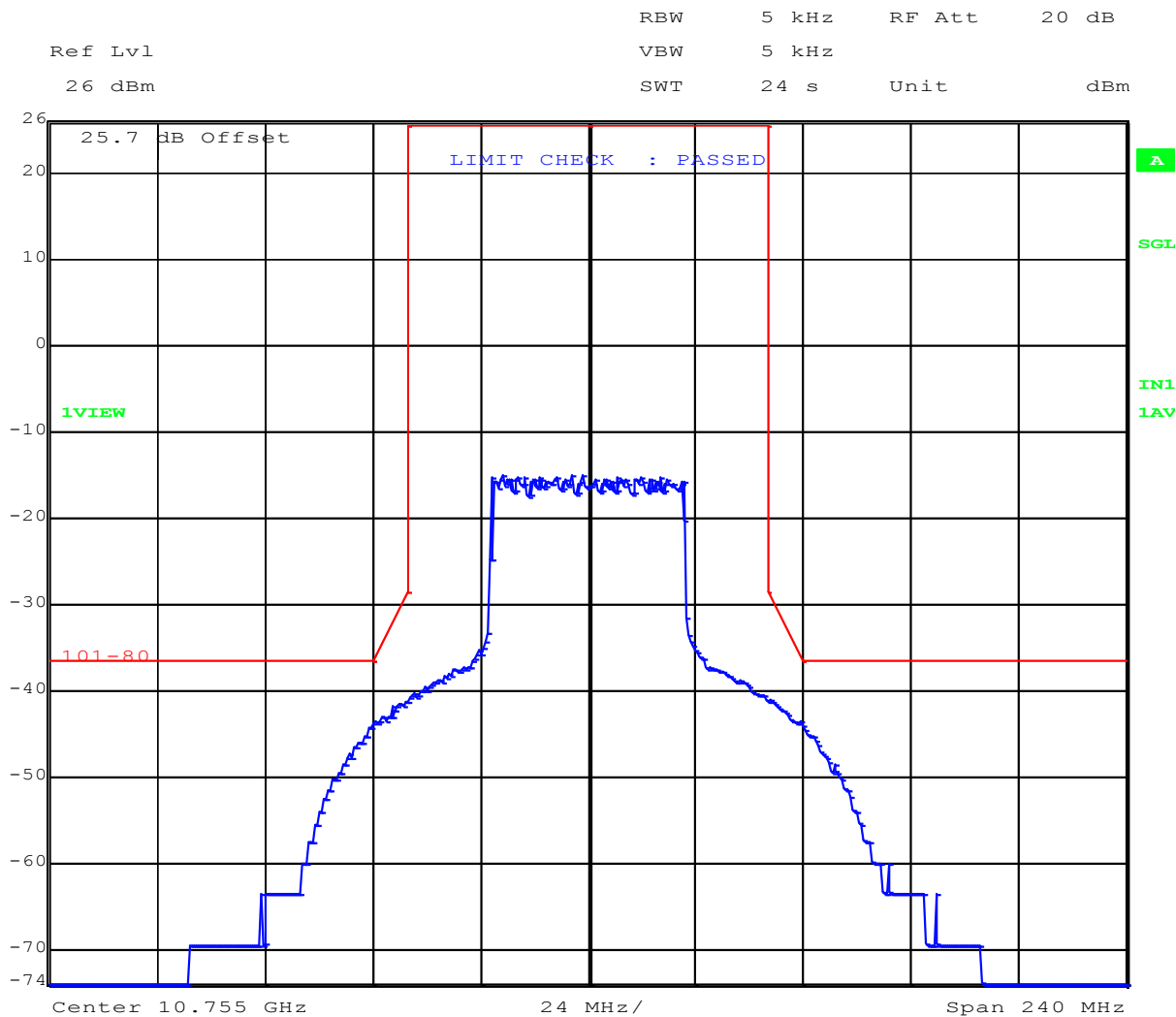


Date: 21.JUN.2016 11:43:04



Spectrum Mask (80)

Variant: 50MHz 1024QAM, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 12:06:15

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

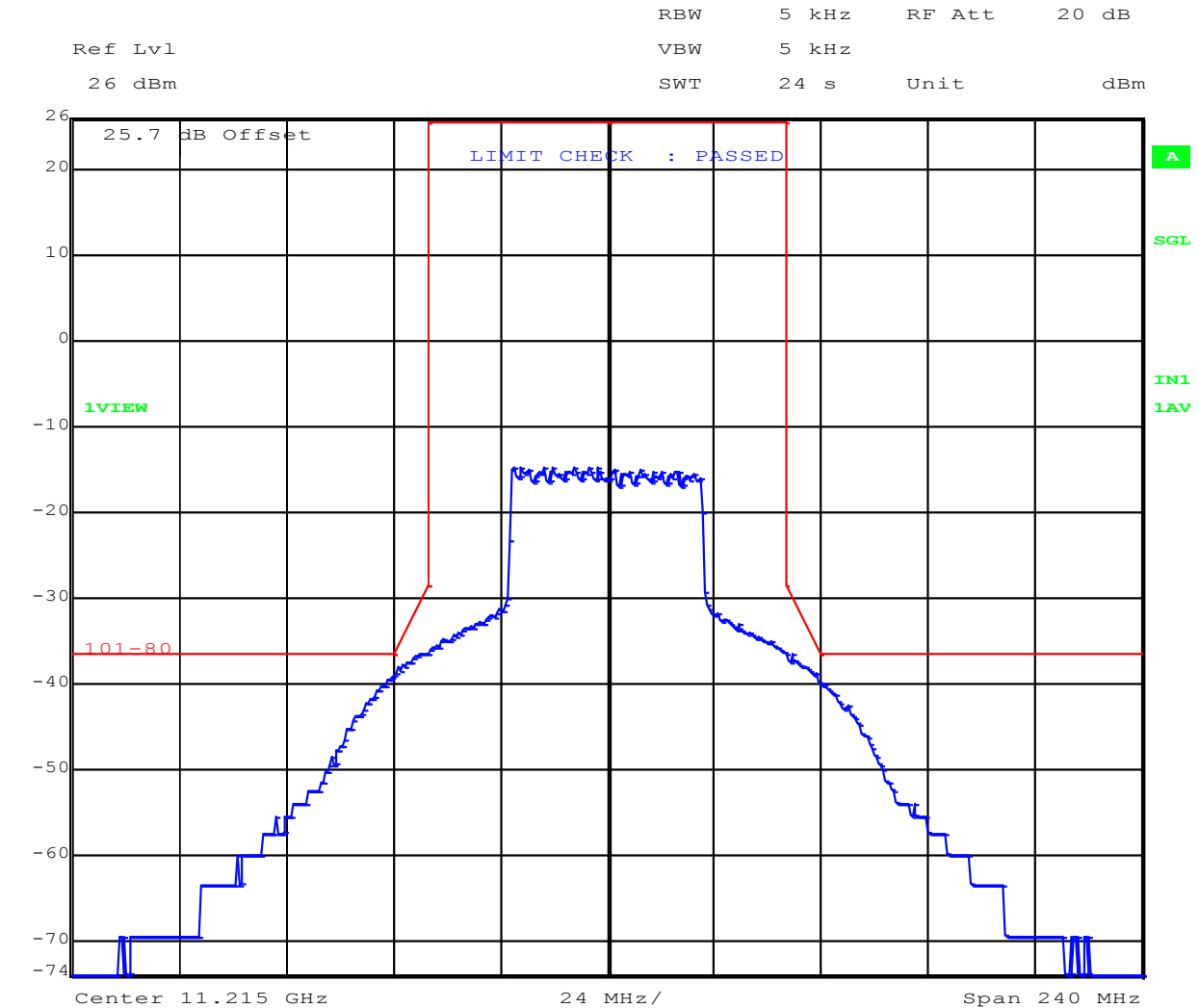


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 365 of 379



Spectrum Mask (80)

Variant: 50MHz 1024QAM, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



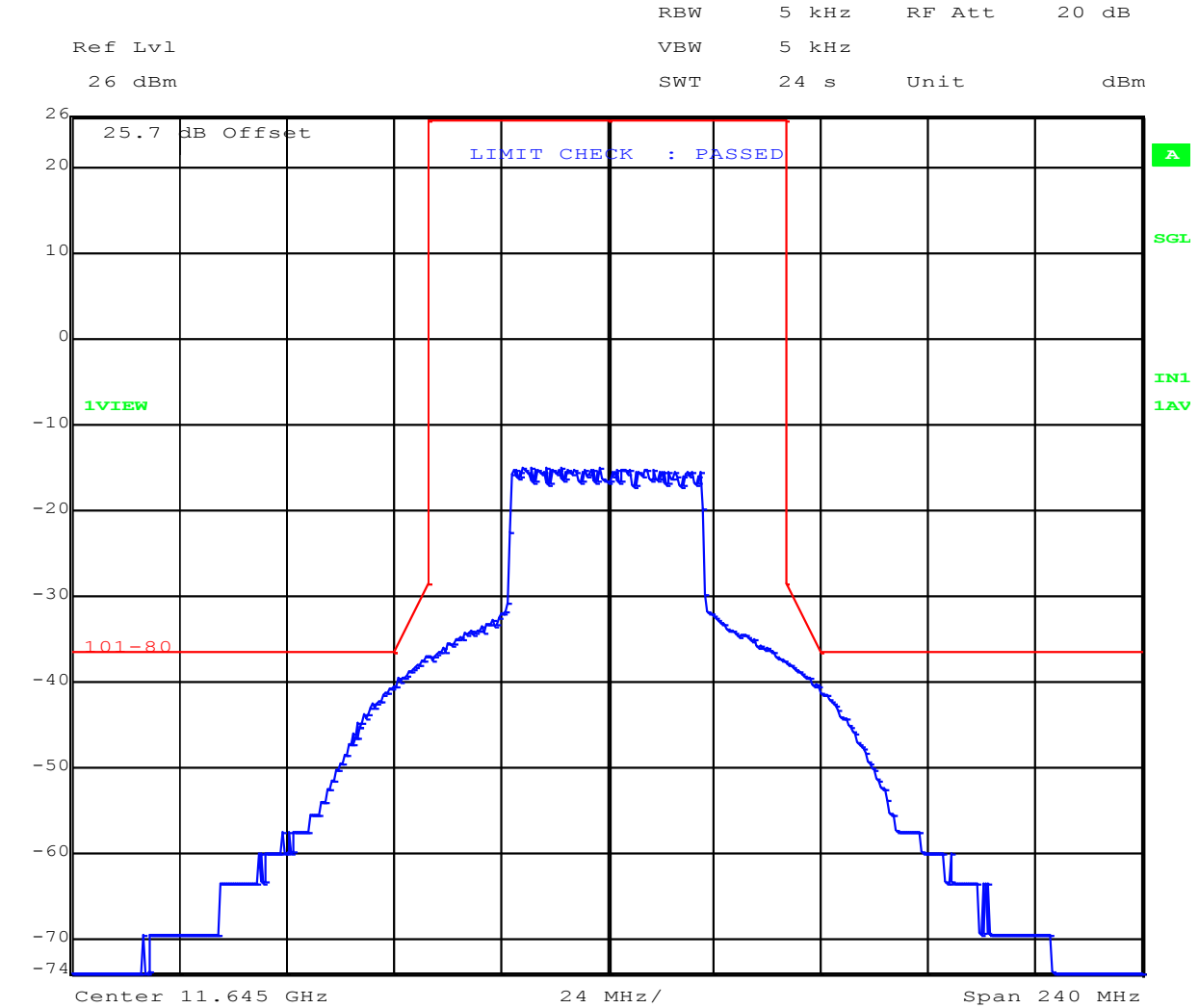
Date: 21.JUN.2016 12:04:43

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



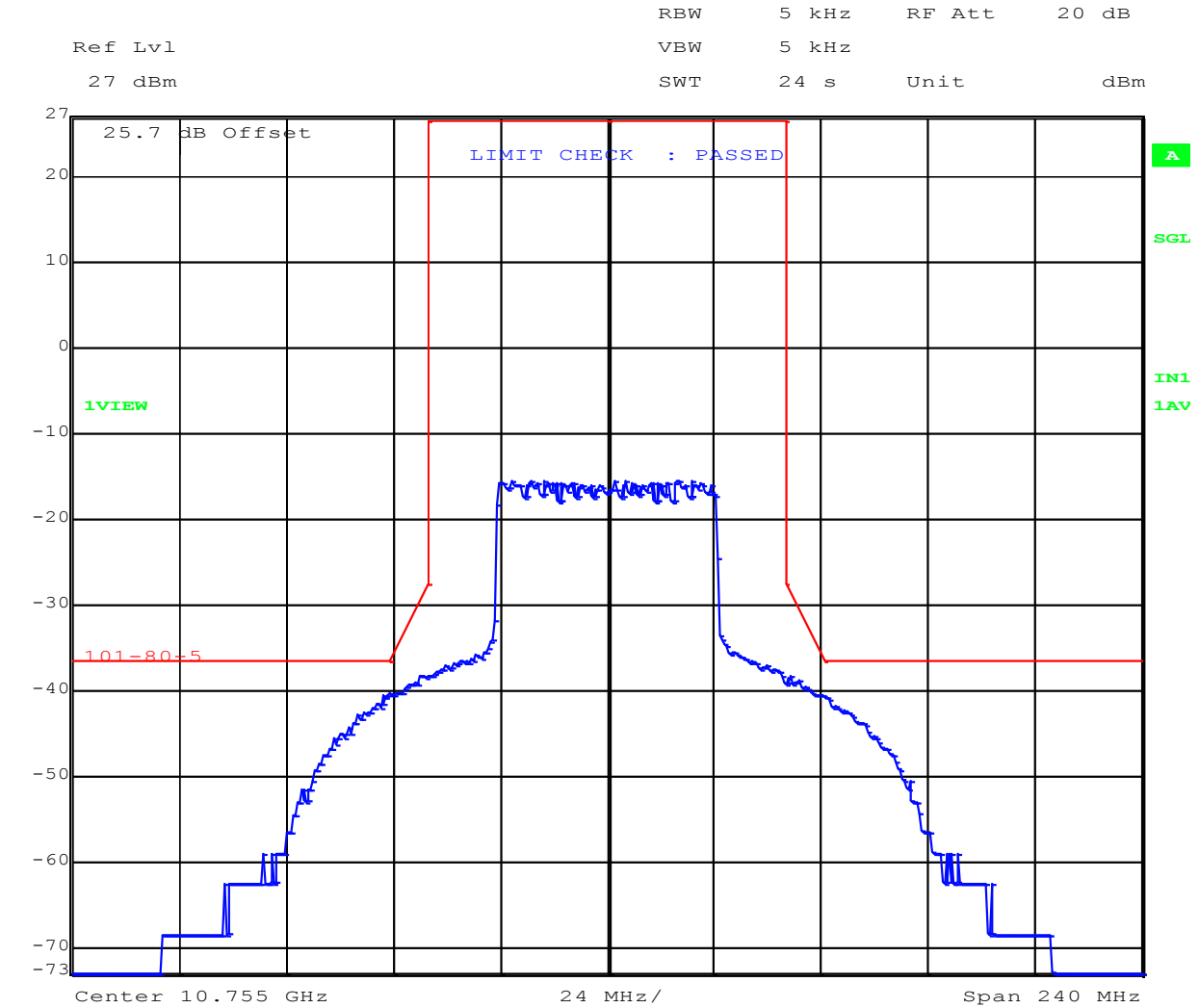
Spectrum Mask (80)

Variant: 50MHz 1024QAM, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 12:02:32

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



Date: 21.JUN.2016 12:16:10

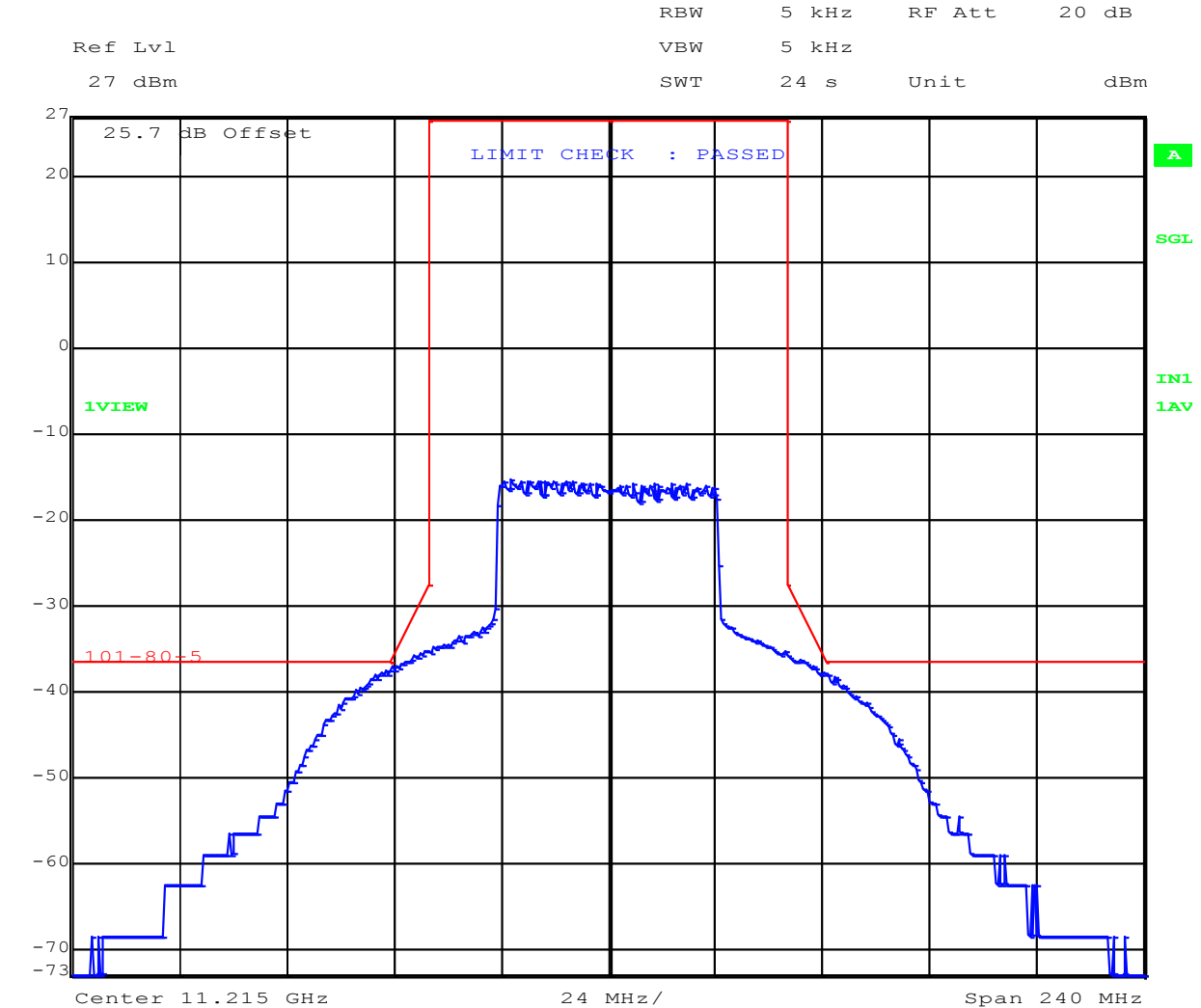


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 368 of 379



Spectrum Mask (80)

Variant: 56MHz QPSK, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

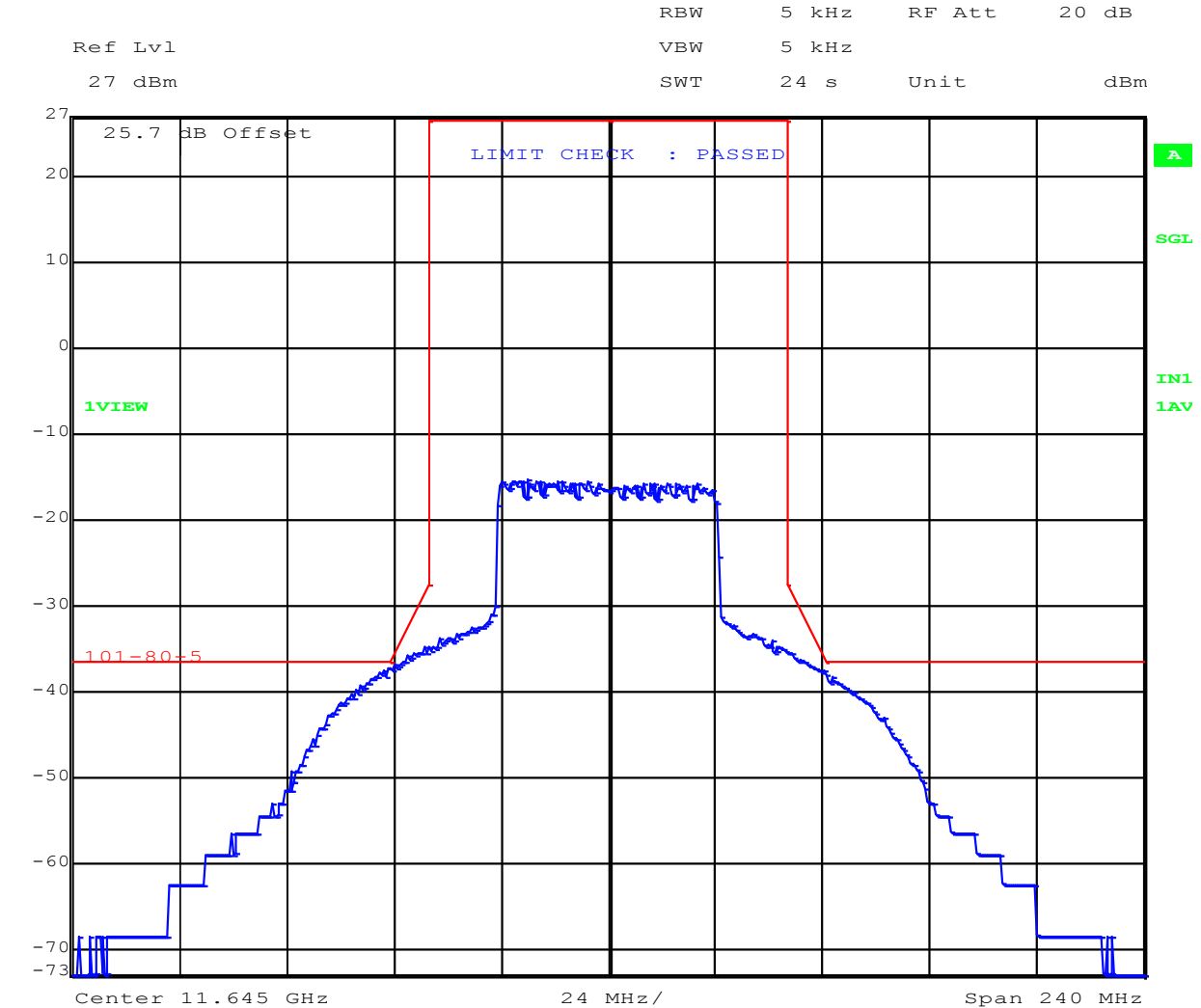


Date: 21.JUN.2016 12:17:52

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Spectrum Mask (80)

Variant: 56MHz QPSK, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

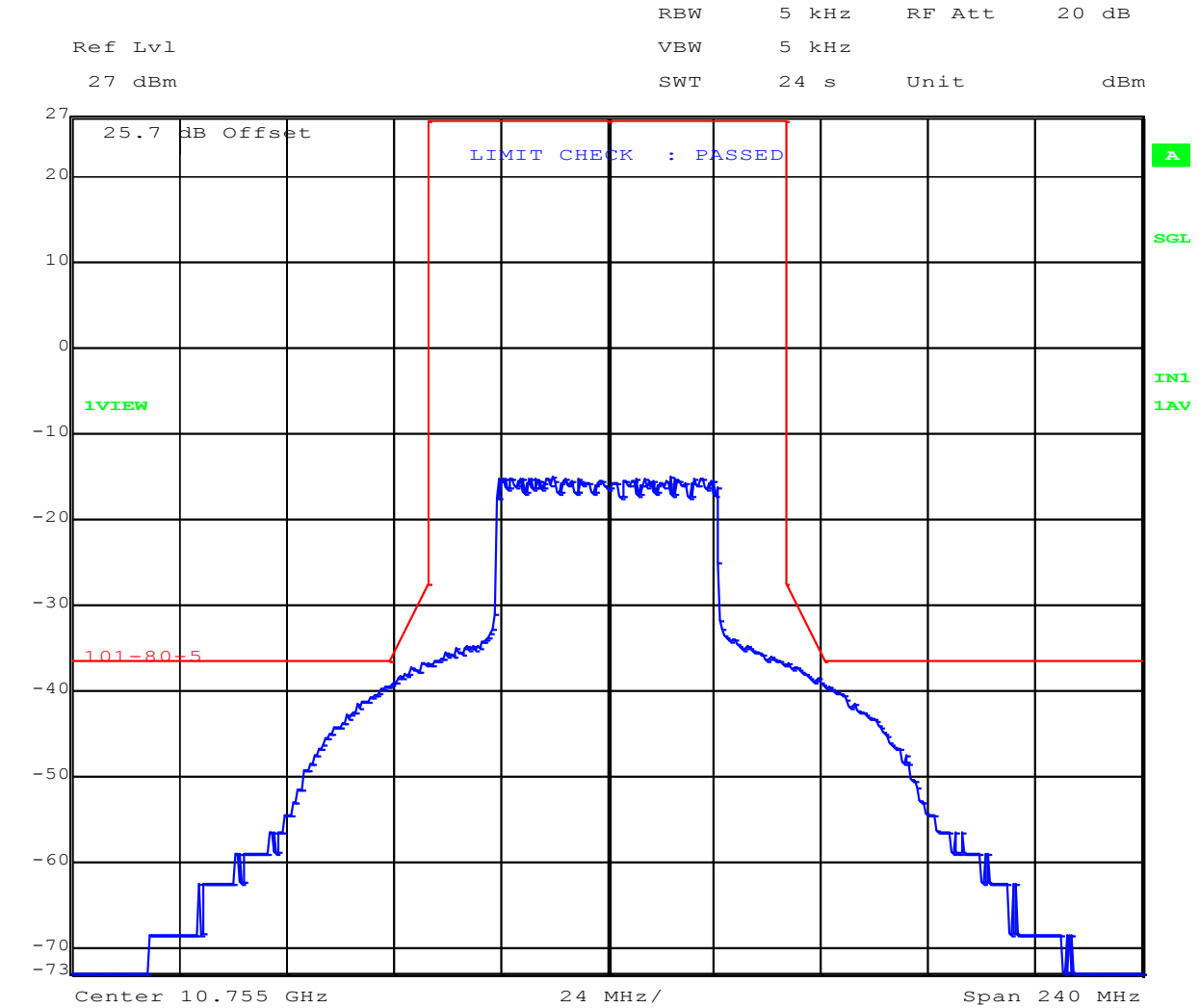


Date: 21.JUN.2016 12:20:36



Spectrum Mask (80)

Variant: 56MHz 1024QAM, Channel: 10.76 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc

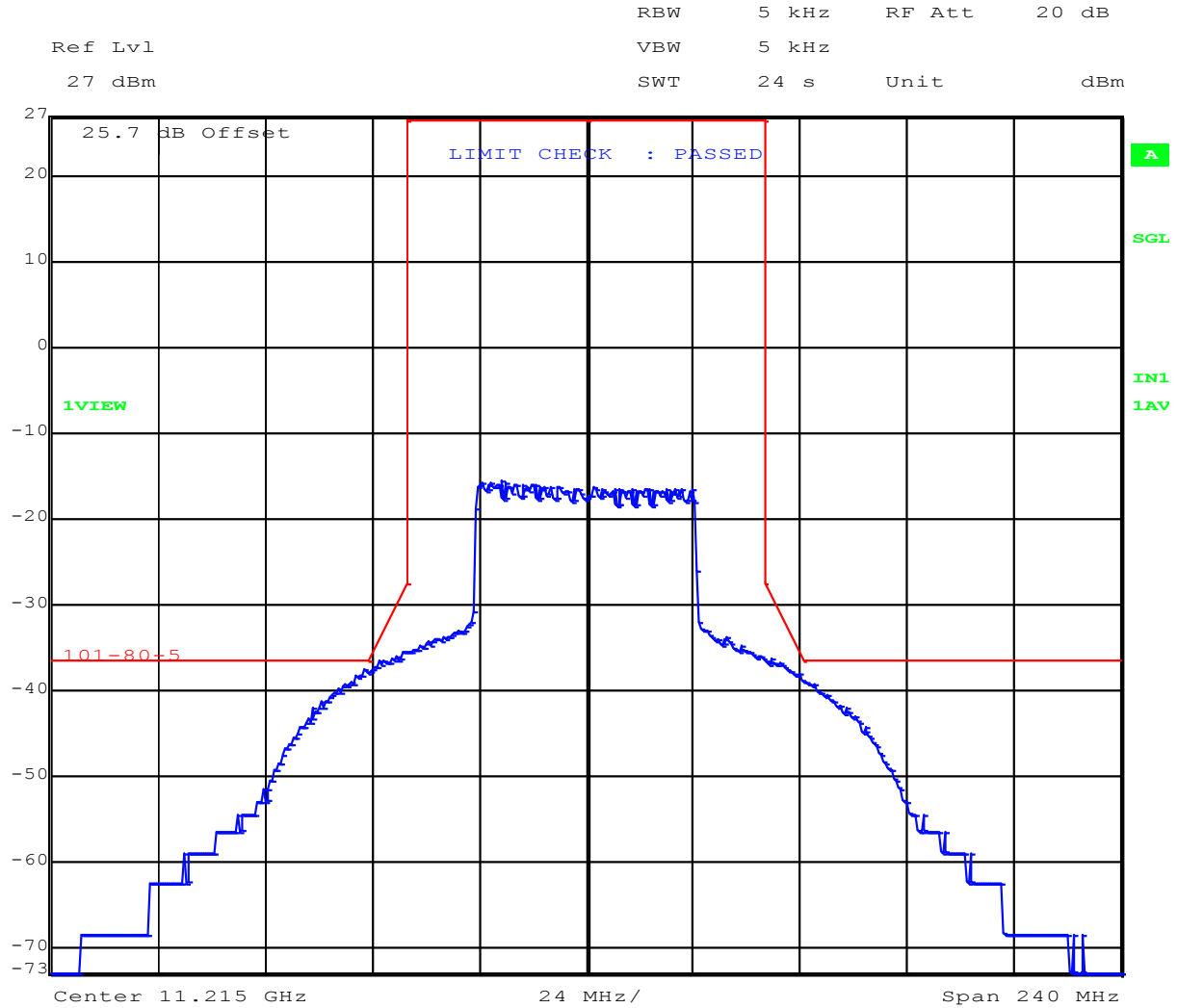


Date: 21.JUN.2016 13:28:39



Spectrum Mask (80)

Variant: 56MHz 1024QAM, Channel: 11.22 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 13:26:36

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

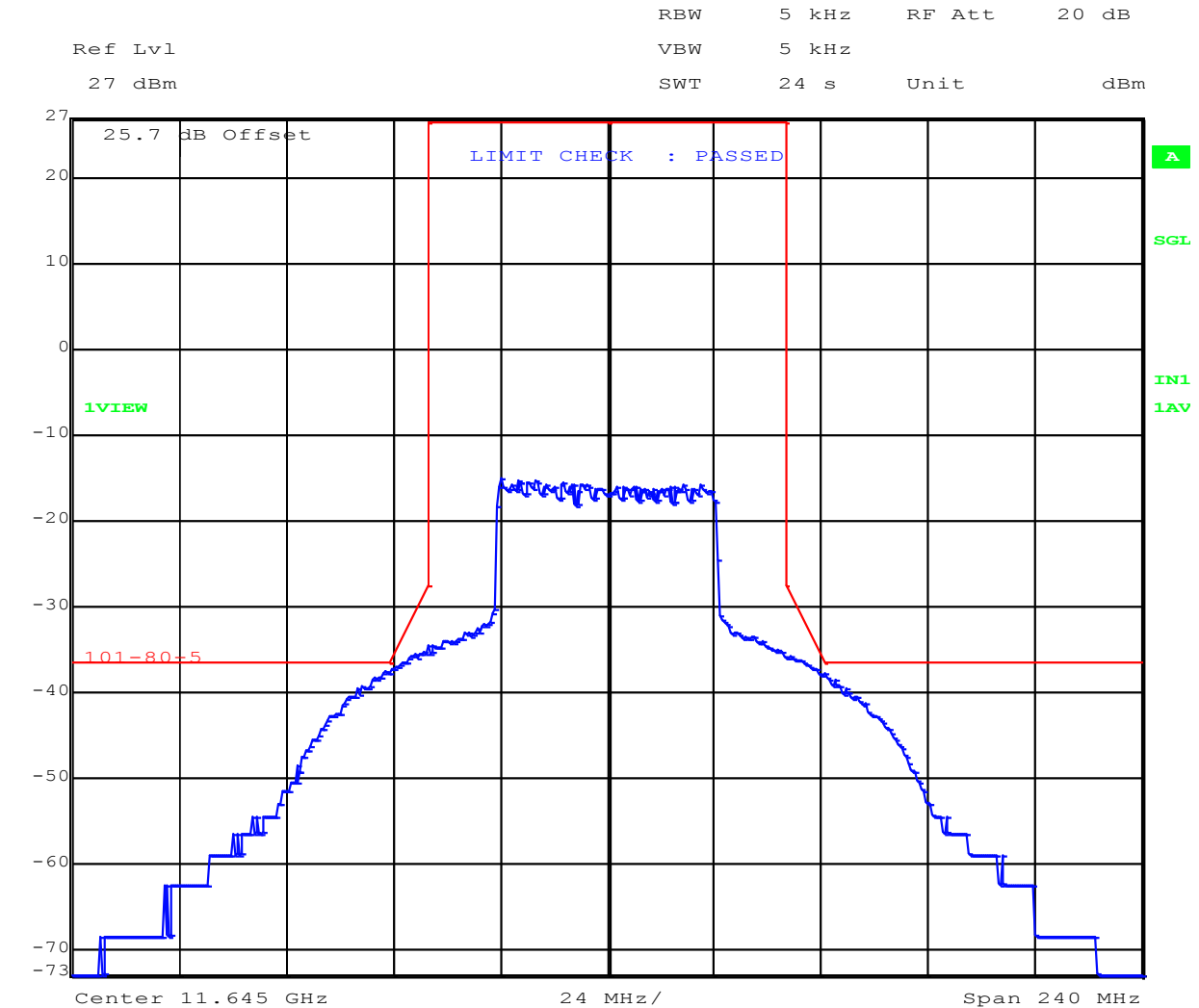


Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 372 of 379



Spectrum Mask (80)

Variant: 56MHz 1024QAM, Channel: 11.65 GHz, Chain a, Temp: ambient, Voltage: 50 Vdc



Date: 21.JUN.2016 13:24:47

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

6.1.2. Radiated Testing

Test Procedure

Testing 30M-1 GHz was performed in a 3-meter anechoic chamber using a CISPR compliant receiver. Preliminary radiated emissions were measured on every azimuth and with the receiving antenna in both horizontal and vertical polarizations. To further maximize emissions the receive antenna was varied between 1 and 4 meters. The emissions are recorded with receiver in peak hold mode. Emissions closest to the limits are measured in the quasi-peak mode with the tuned receiver using a bandwidth of 120 kHz. Only the highest emissions relative to the limit are listed. The anechoic chamber test set-up is identified in Section 6 Test Set-Up Photographs.

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Loss, and subtracting Amplifier Gain from the measured reading. In this test facility, the Antenna Factor, Cable Loss, and Amplifier Gains are loaded into the Receiver and the corrected field strength can be read directly on the receiver.

$$FS = R + AF + CORR$$

where:

FS = Field Strength

R = Measured Receiver Input Amplitude

AF = Antenna Factor

CORR = Correction Factor = CL – AG + NFL

CL = Cable Loss

AG = Amplifier Gain

For example:

Given a Receiver input reading of 51.5dB μ V; Antenna Factor of 8.5dB; Cable Loss of 1.3dB; Falloff Factor of 0dB, an Amplifier Gain of 26dB and Notch Filter Loss of 1dB. The Field Strength of the measured emission is:

$$FS = 51.5 + 8.5 + 1.3 - 26.0 + 1 = 36.3\text{dB}\mu\text{V/m}$$

Conversion between dB μ V/m (or dB μ V) and μ V/m (or μ V) are done as:

$$\text{Level (dB}\mu\text{V/m)} = 20 * \text{Log (level (\mu V/m))}$$

$$40 \text{ dB}\mu\text{V/m} = 100\mu\text{V/m}$$

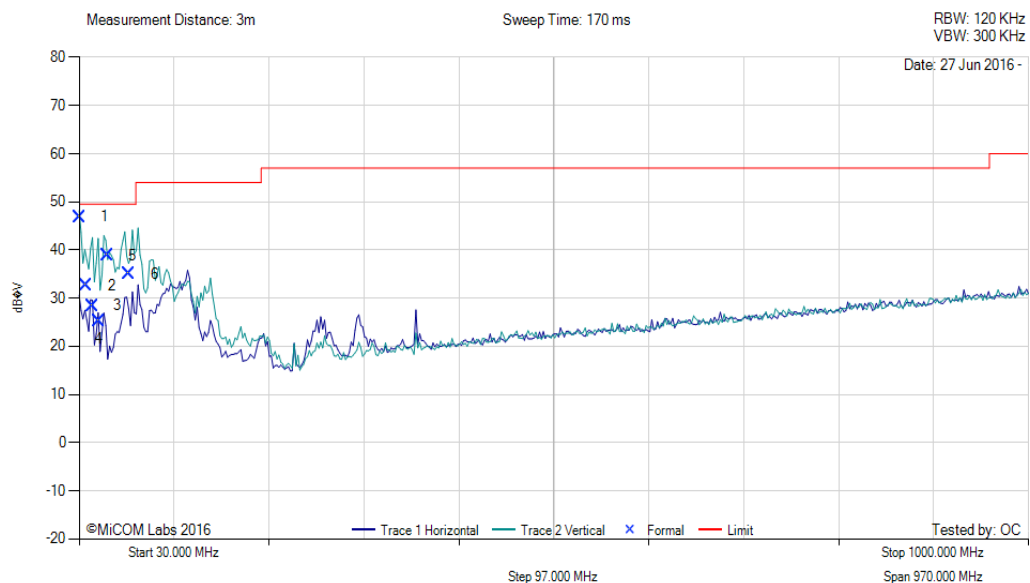
$$48 \text{ dB}\mu\text{V/m} = 250\mu\text{V/m}$$

Measurement Results: 30-1000 MHz

Model Number	AF-11FX	Engineer	OC
Variant	Digital Emissions 120VAC, 60Hz	Temp (°C)	20
Freq. Range	30 – 1000 MHz	Rel. Hum.(%)	41
Power Setting	NA	Press. (mBars)	1002
Antenna	N/A		
Test Notes 1	PoE powered: Manu.: Ubiquiti Networks, Model: GP-C500-120G		
Test Notes 2	Class A Limits		



Variant: Digital Emissions, Test Freq: 30-1000MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	30.60	54.02	3.43	-10.61	46.84	MaxQP	Vertical	100	0	49.5	-2.7	Pass
2	37.54	45.19	3.48	-16.06	32.61	MaxQP	Vertical	100	157	49.5	-16.9	Pass
3	43.79	45.23	3.53	-20.36	28.40	MaxQP	Vertical	100	128	49.5	-21.1	Pass
4	50.41	44.82	3.57	-23.14	25.25	MaxQP	Vertical	148	141	49.5	-24.3	Pass
5	58.69	59.37	3.63	-24.12	38.88	MaxQP	Vertical	103	18	49.5	-10.6	Pass
6	81.16	54.87	3.78	-23.66	34.99	MaxQP	Vertical	100	283	49.5	-14.5	Pass

Test Notes: PoE configuration powered at 120Vac, 60Hz. Model: AF-11FX, S/N: #UBIQ01-1.



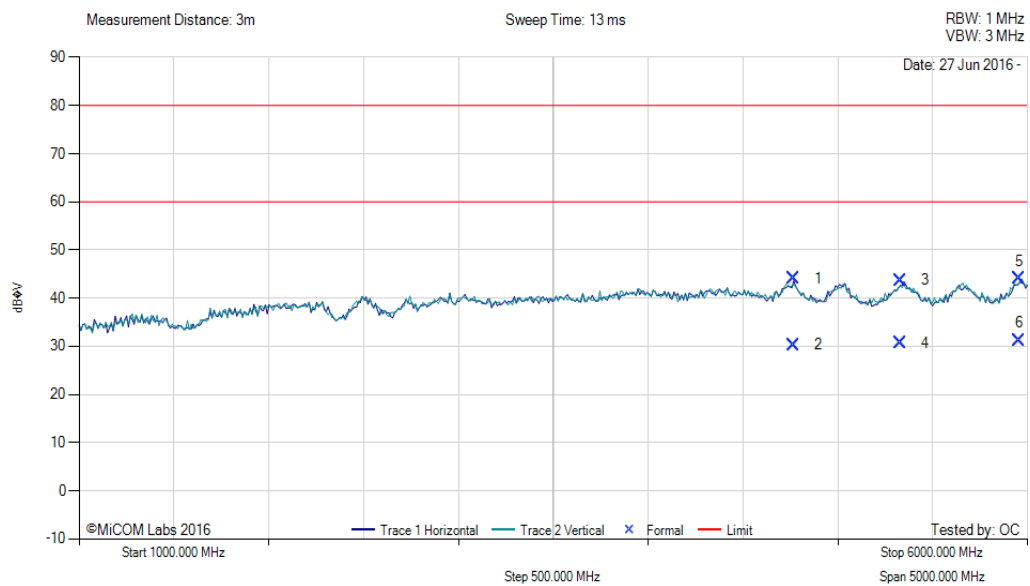
Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 375 of 379

Measurement Results: 1000-6000 MHz

Model Number	AF-11FX	Engineer	OC
Variant	Digital Emissions 120VAC, 60Hz	Temp (°C)	20
Freq. Range	1000-6000 MHz	Rel. Hum.(%)	41
Power Setting	NA	Press. (mBars)	1002
Antenna	N/A		
Test Notes 1	PoE powered: Manu.: Ubiquiti Networks, Model: GP-C500-120G		
Test Notes 2	Class A Limits		



Variant: Digital Emissions, Test Freq: 1000-6000 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	4765.01	51.64	3.59	-11.11	44.12	Max Peak	Horizontal	153	118	80.0	-35.9	Pass
2	4765.01	37.78	3.59	-11.11	30.26	Max Avg	Horizontal	153	118	60.0	-29.7	Pass
3	5331.02	51.10	3.68	-11.05	43.73	Max Peak	Horizontal	100	205	80.0	-36.3	Pass
4	5331.02	37.98	3.68	-11.05	30.61	Max Avg	Horizontal	100	205	60.0	-29.4	Pass
5	5956.67	49.99	3.82	-9.77	44.04	Max Peak	Vertical	111	301	80.0	-36.0	Pass
6	5956.67	37.23	3.82	-9.77	31.28	Max Avg	Vertical	111	301	60.0	-28.7	Pass

Test Notes: PoE configuration powered at 120Vac, 60Hz. Model: AF-11FX, S/N: #UBIQ01-1.

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



Title: Ubiquiti Networks AF-11FX
To: FCC 47 CFR Part 101, Part 15B
Serial #: UBIQ01-U2 Rev B
Issue Date: 27th September 2016
Page: 376 of 379

6.1.3. AC Mains Power Input/ Output Ports

Scope

This test assesses the ability of the EUT to limit its internal noise from being present on the AC mains power input/output ports.

Test Method

The test method shall be in accordance with FCC and the Artificial Mains Networks (AMNs) shall be connected to the AC mains power source.

The measurement frequency range extends from 150 kHz to 30 MHz. When the EUT is a transmitter operating at frequencies below 30 MHz, then the exclusion band for transmitters applies for measurements in the transmit mode of operation.

Test Procedure

The conducted emissions are measured in a shielded room with a spectrum analyzer in peak hold in the first instance. Emissions closest to the limit are measured in the quasi-peak mode (QP) with the tuned receiver using a bandwidth of 9 kHz. The emissions are maximized further by cable manipulation. The highest emissions relative to the limit are listed.

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.

Limits

The equipment shall meet the class B limits given in FCC part 15B. Alternatively, for equipment intended to be used in telecommunication centres only, the class A limits given in FCC part 15B may be used.

Class B Emissions

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency

Class A Emissions

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	79	66
0.5-30	73	60

Traceability

All conducted emission measurements are traceable to national standards. The uncertainty of measurement at a confidence level of not less than 95 %, with a coverage factor of $k=2$, in the range 9 kHz – 30 MHz (Average & Quasi-peak) is ± 2.64 dB.

Laboratory Measurement Uncertainty	
Measurement uncertainty	± 2.64 dB

Method
Measurements were made per work instruction WI-EMC-01 'Measurement of Conducted Emissions'

Test Summary

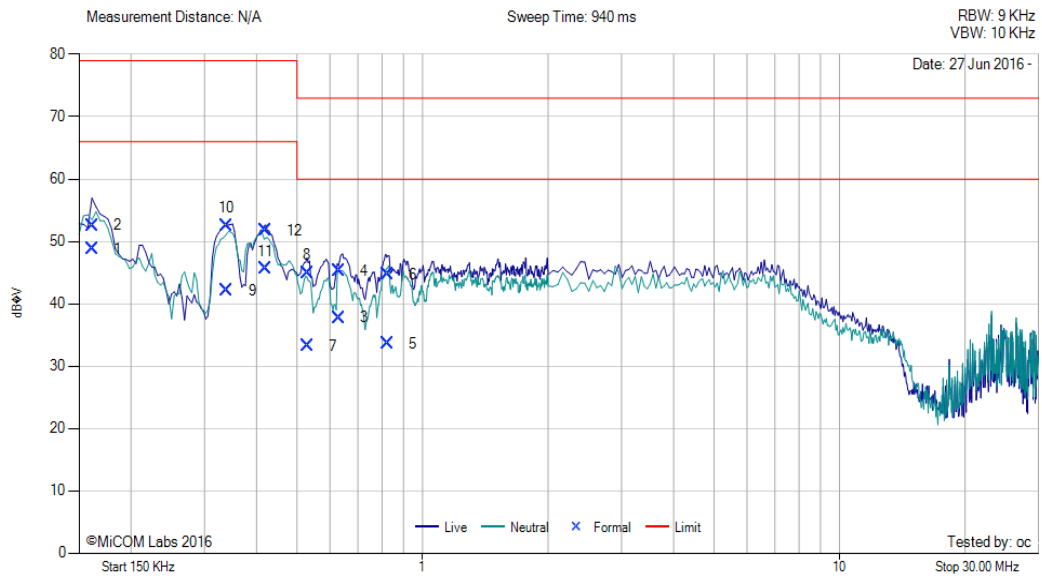
☒ EUT performed in Compliance with FCC part 15B emission limits.

Measurement Results

Model Number	AF-11FX	Engineer	OC
Variant	AC Wireline 120VAC, 60Hz	Temp (°C)	20
Freq. Range	0.150 MHz - 30 MHz	Rel. Hum.(%)	41
Power Setting	NA	Press. (mBars)	1002
Antenna	N/A		
Test Notes 1	PoE powered: Manu.: Ubiquiti Networks, Model: GP-C500-120G		
Test Notes 2	Class A Limits		



Variant: AC Wireline, Test Freq: 0.150 MHz - 30 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	Factor dB	Total Correction dBμV	Corrected Value dBμV	Measurement Type	Line	Limit dBμV	Margin dB	Pass /Fail
1	0.161	38.85	0.05	9.92	9.97	48.82	Max Avg	Live	66.0	-17.2	Pass
2	0.161	42.59	0.05	9.92	9.97	52.56	Max Qp	Live	79.0	-26.4	Pass
3	0.631	27.74	0.11	9.93	10.04	37.78	Max Avg	Live	60.0	-22.2	Pass
4	0.631	35.26	0.11	9.93	10.04	45.30	Max Qp	Live	73.0	-27.7	Pass
5	0.824	23.58	0.11	9.94	10.05	33.63	Max Avg	Live	60.0	-26.4	Pass
6	0.824	34.65	0.11	9.94	10.05	44.70	Max Qp	Live	73.0	-28.3	Pass
7	0.529	23.27	0.09	9.92	10.01	33.28	Max Avg	Live	60.0	-26.7	Pass
8	0.529	34.96	0.09	9.92	10.01	44.97	Max Qp	Live	73.0	-28.0	Pass
9	0.340	32.16	0.04	9.92	9.96	42.12	Max Avg	Live	66.0	-23.9	Pass
10	0.340	42.62	0.04	9.92	9.96	52.58	Max Qp	Live	79.0	-26.4	Pass
11	0.420	35.66	0.04	9.93	9.97	45.63	Max Avg	Live	66.0	-20.4	Pass
12	0.420	41.78	0.04	9.93	9.97	51.75	Max Qp	Live	79.0	-27.3	Pass

Test Notes: PoE configuration powered at 120Vac, 60Hz. Model: AF-11FX, S/N: #UBIQ01-1.

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



575 Boulder Court,
Pleasanton, California 94566, USA
Tel: 1.925.462.0304
Fax: 1.925.462.0306
www.micomlabs.com