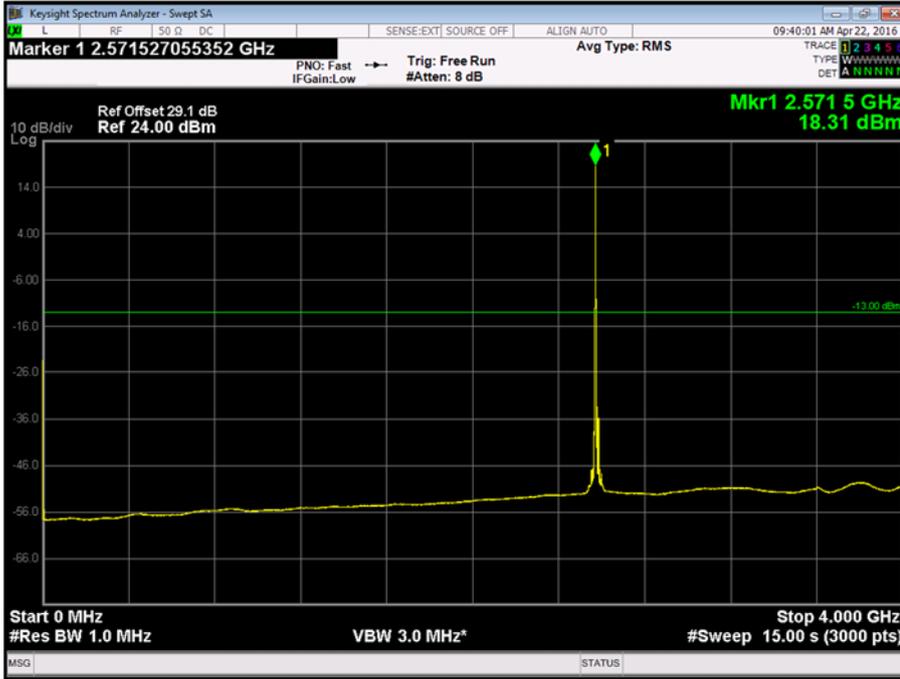




Product Service

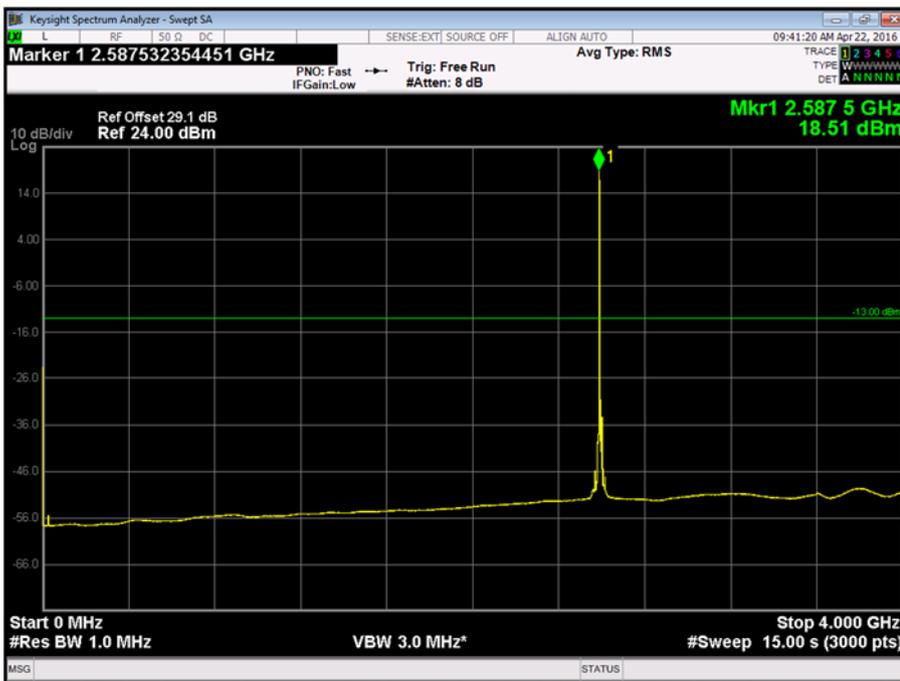
15.0 MHz Bandwidth - 16-QAM

2577.5 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz



15.0 MHz Bandwidth - QPSK

2595.0 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz

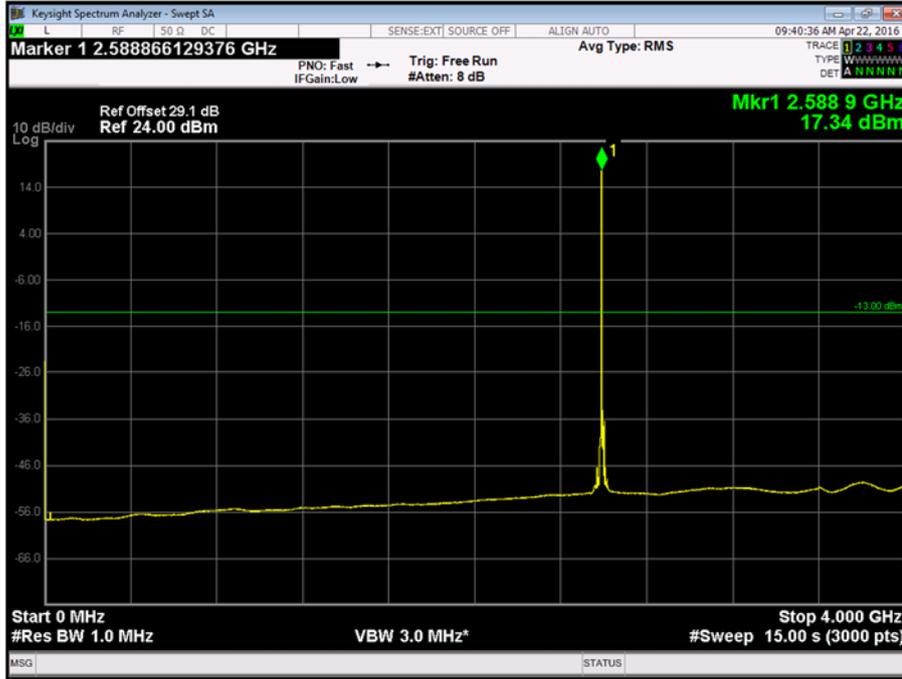




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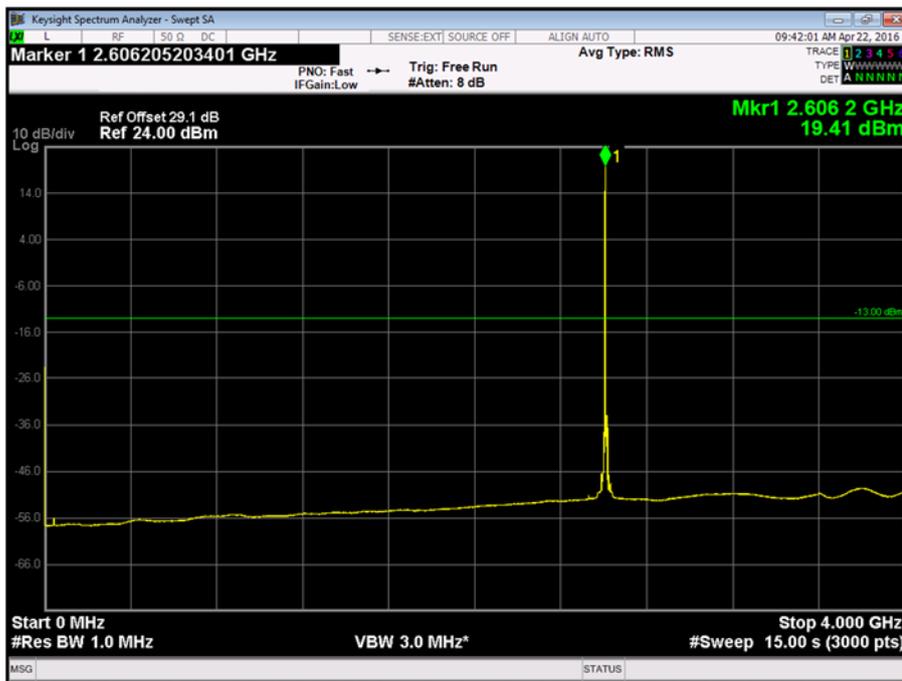
15.0 MHz Bandwidth - 16-QAM

2595.0 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz



15.0 MHz Bandwidth - QPSK

2612.5 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz

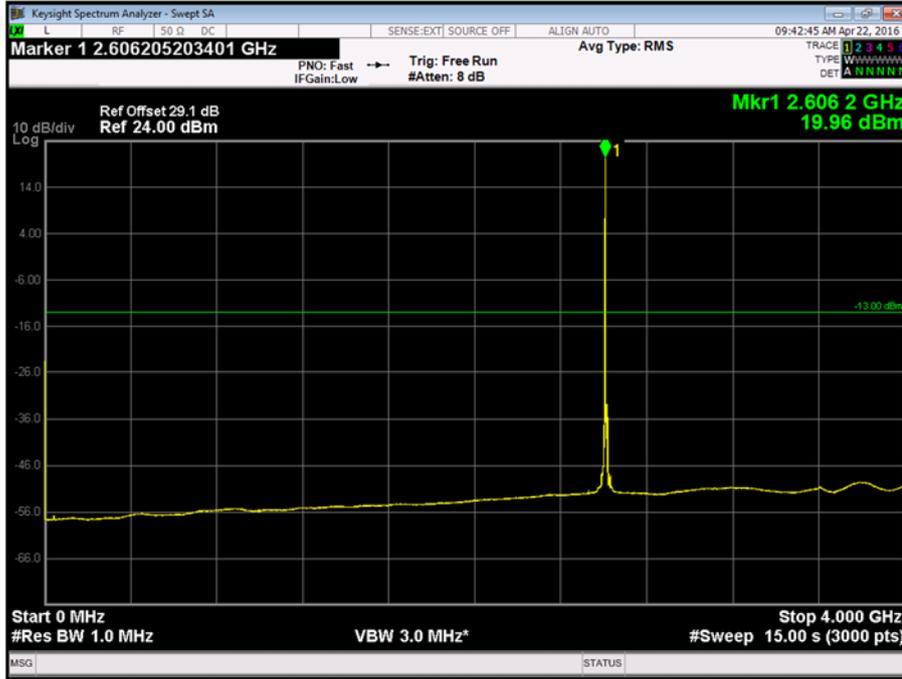




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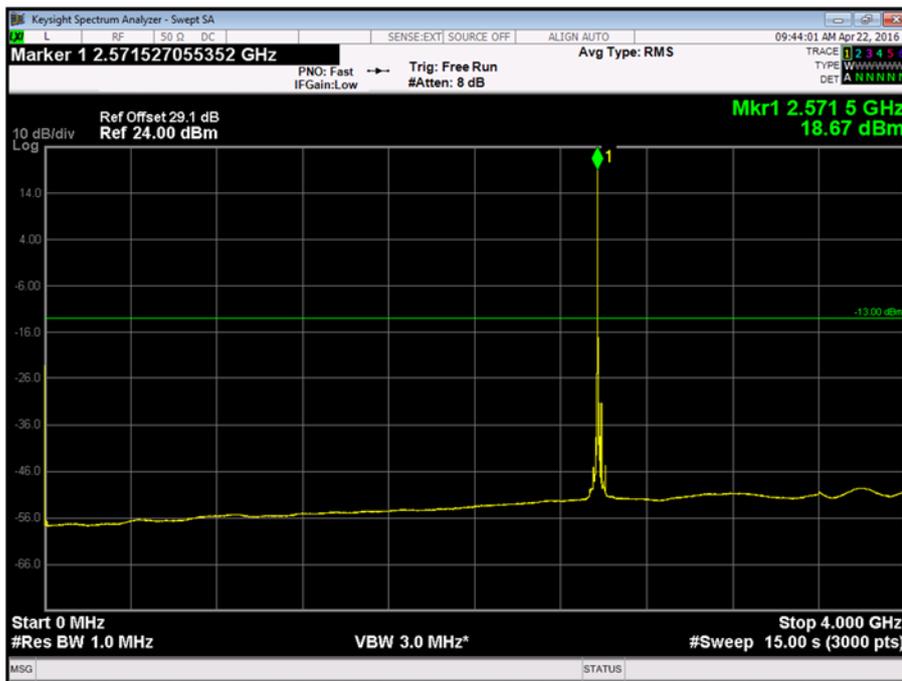
15.0 MHz Bandwidth - QPSK

2612.5 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz



20.0 MHz Bandwidth - QPSK

2580.0 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz

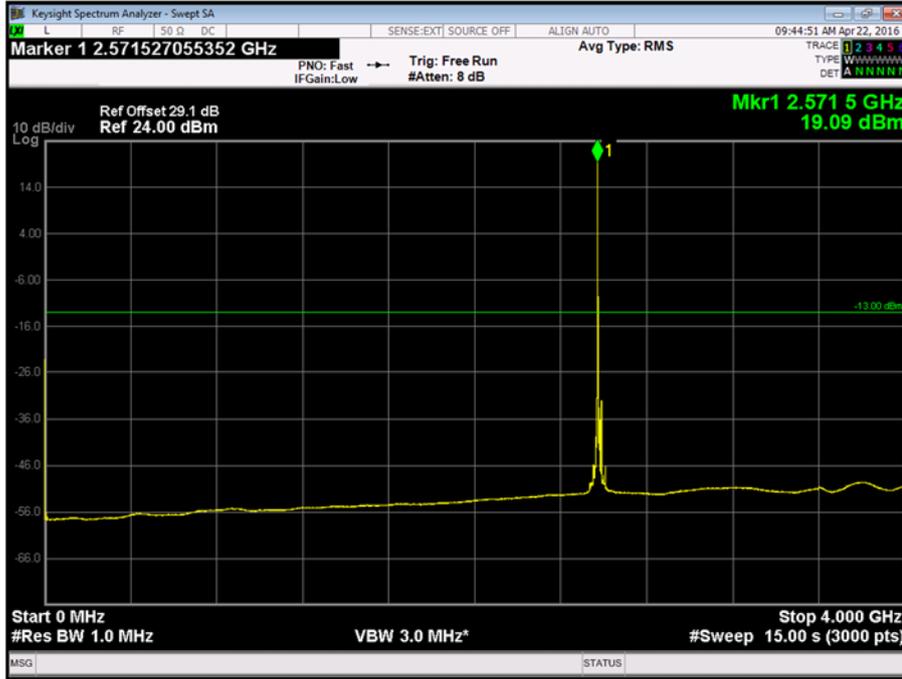




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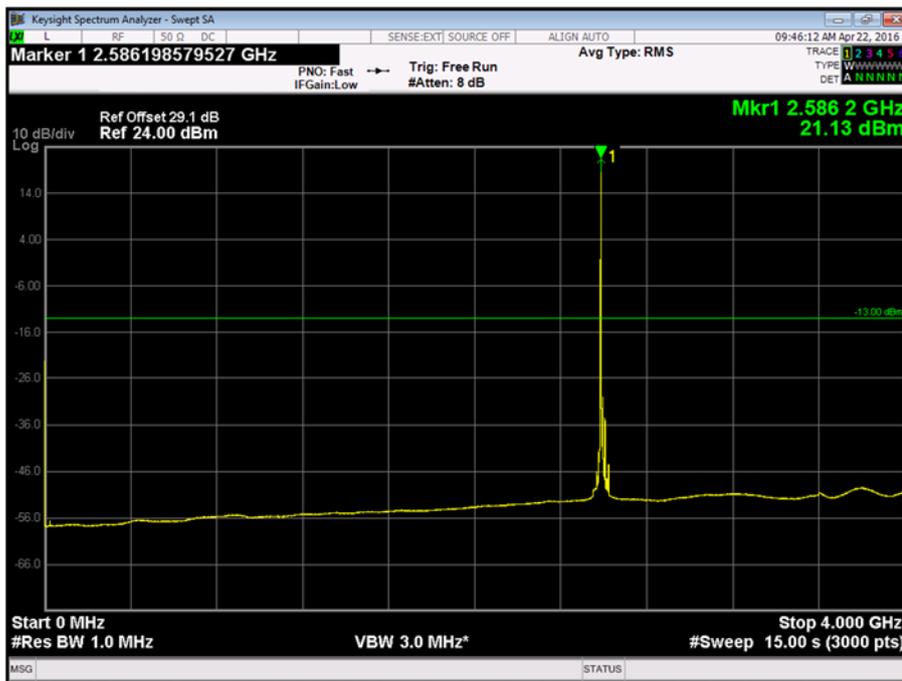
20.0 MHz Bandwidth - 16-QAM

2580.0 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz



20.0 MHz Bandwidth - QPSK

2595.0 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz

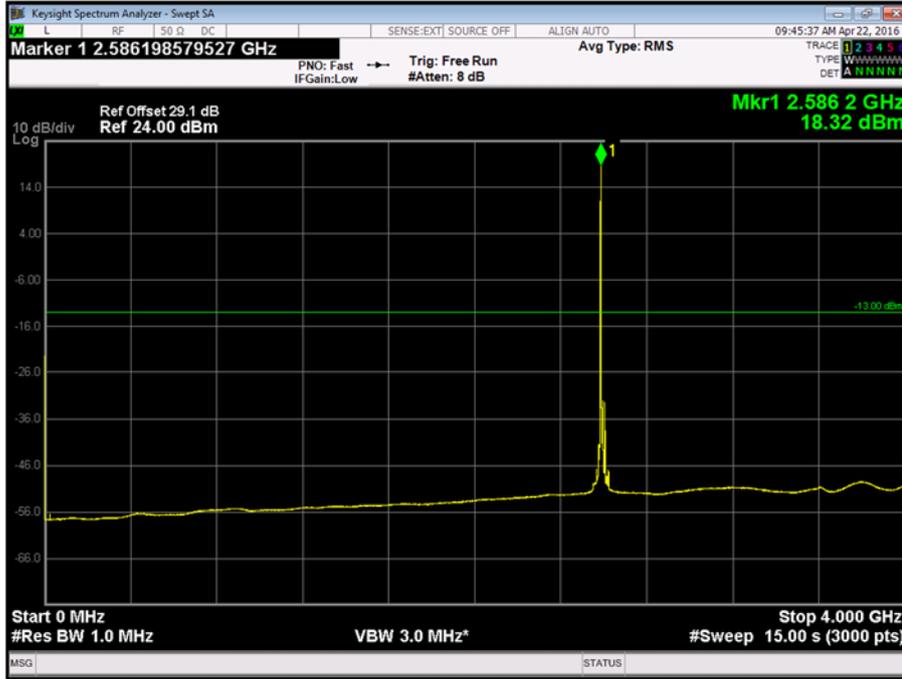




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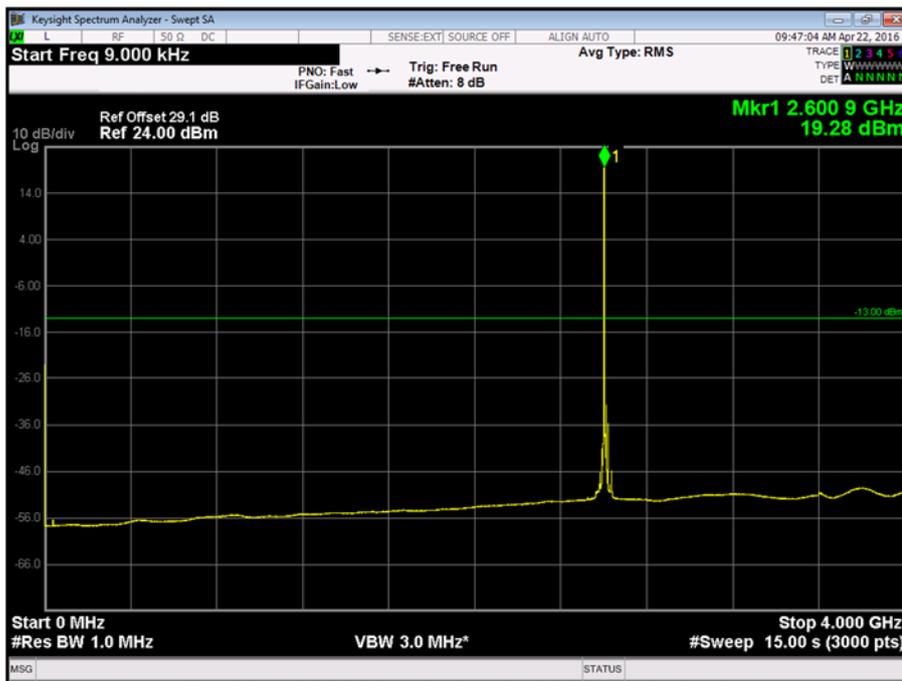
20.0 MHz Bandwidth - 16-QAM

2595.0 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz



20.0 MHz Bandwidth - QPSK

2610.0 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz

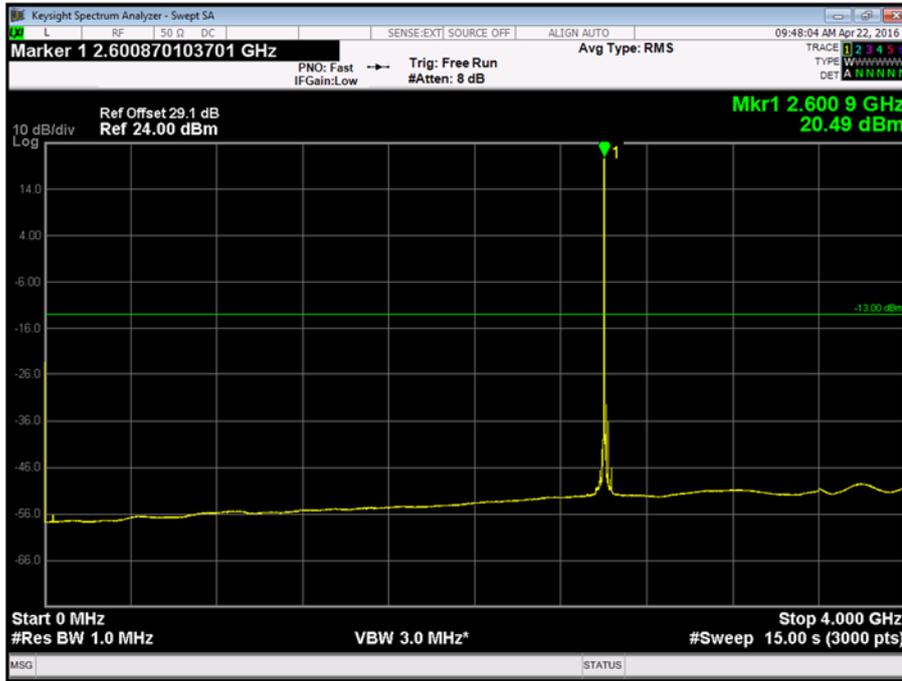




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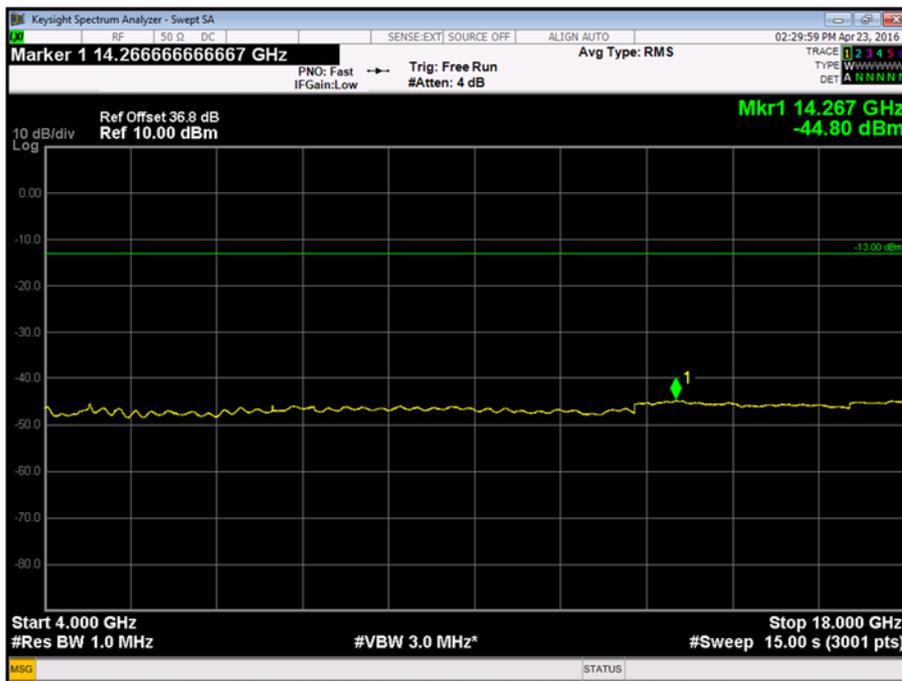
20.0 MHz Bandwidth - 16-QAM

2610.0 MHz - 1 Resource Block - Low – 9 kHz to 4.0 GHz



5.0 MHz Bandwidth - QPSK

2572.5 MHz - 1 Resource Block – Low – 4.0 GHz to 18.0 GHz

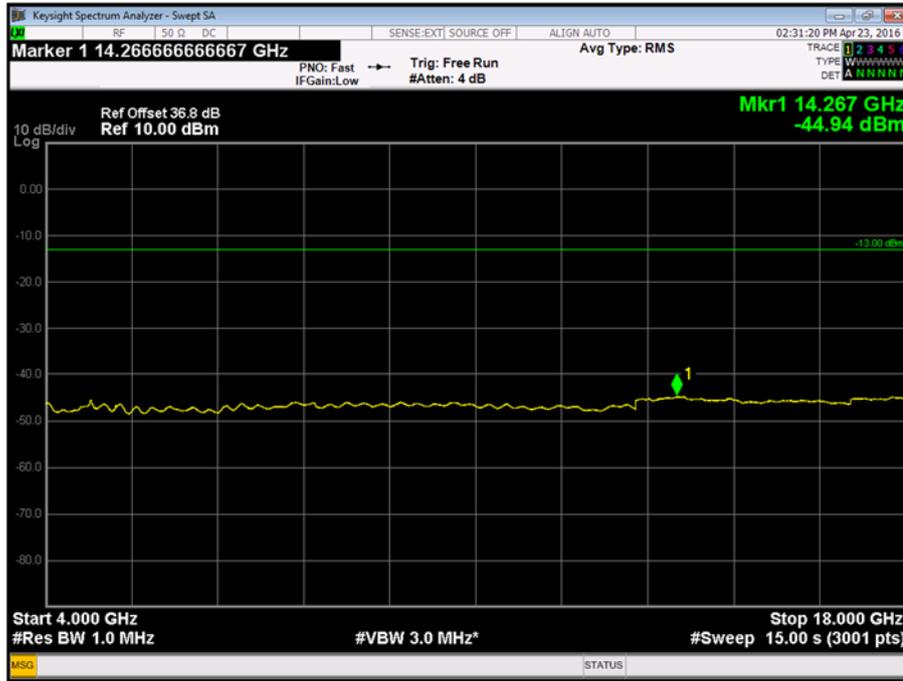




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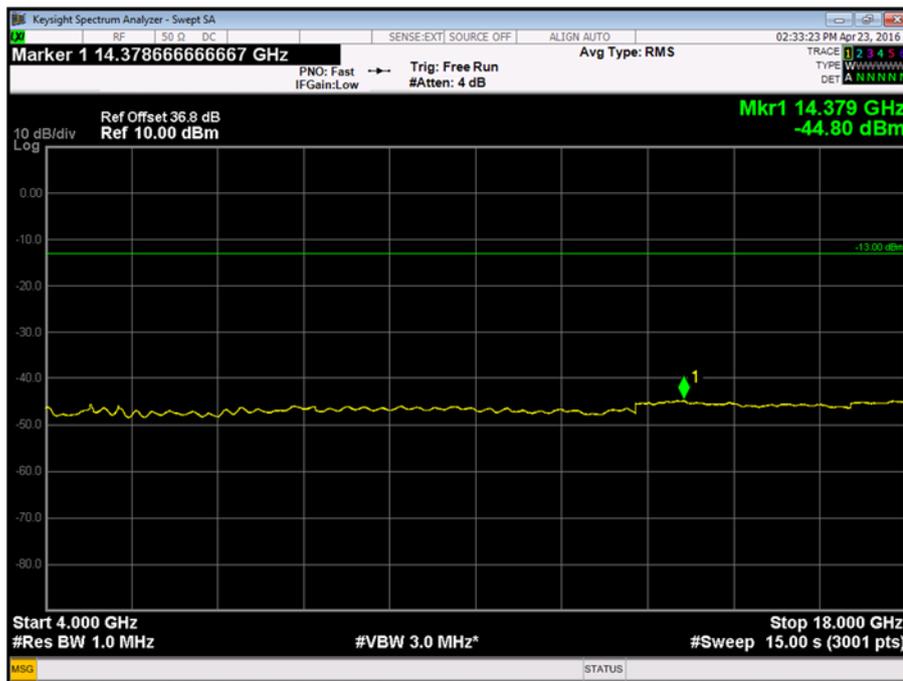
5.0 MHz Bandwidth - 16-QAM

2572.5 MHz - 1 Resource Block – Mid – 4.0 GHz to 18.0 GHz



5.0 MHz Bandwidth - QPSK

2595.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz

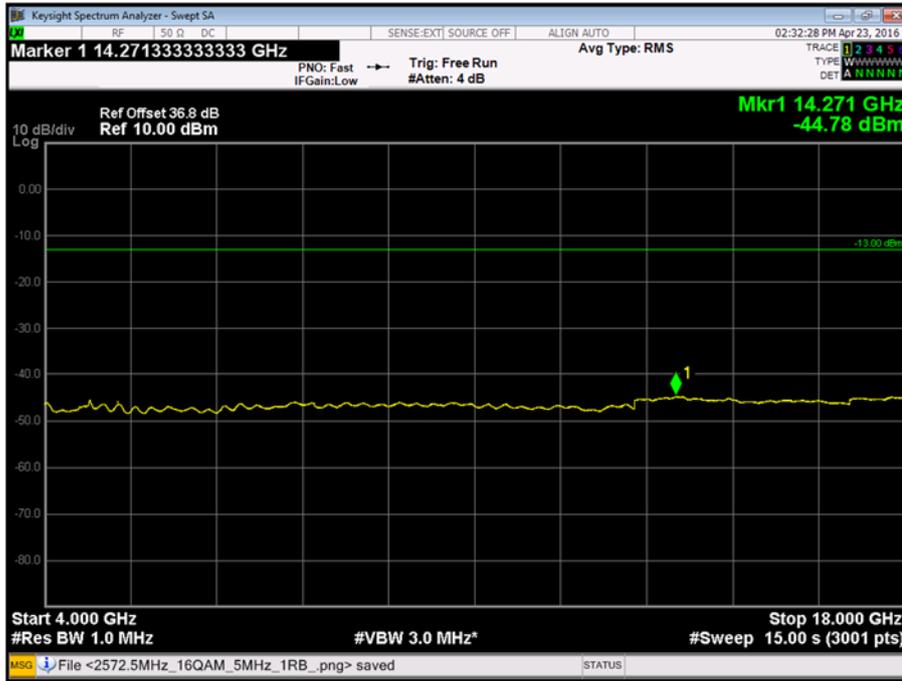




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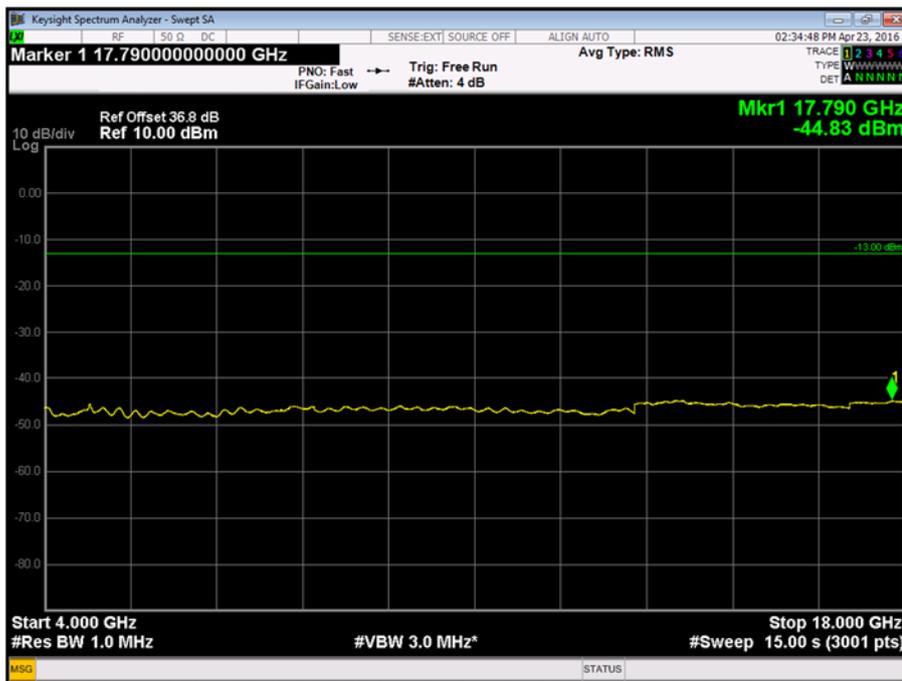
5.0 MHz Bandwidth - 16-QAM

2595.0 MHz - 1 Resource Block - High – 4.0 GHz to 18.0 GHz



5.0 MHz Bandwidth - QPSK

2617.5 MHz - 1 Resource Block - Mid – 4.0 GHz to 18.0 GHz

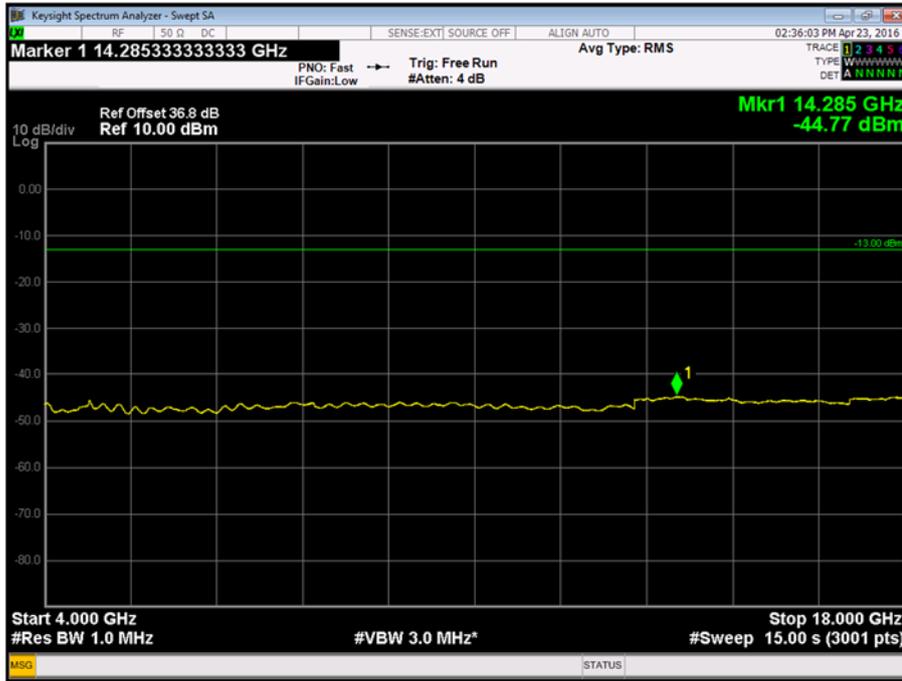




Product Service

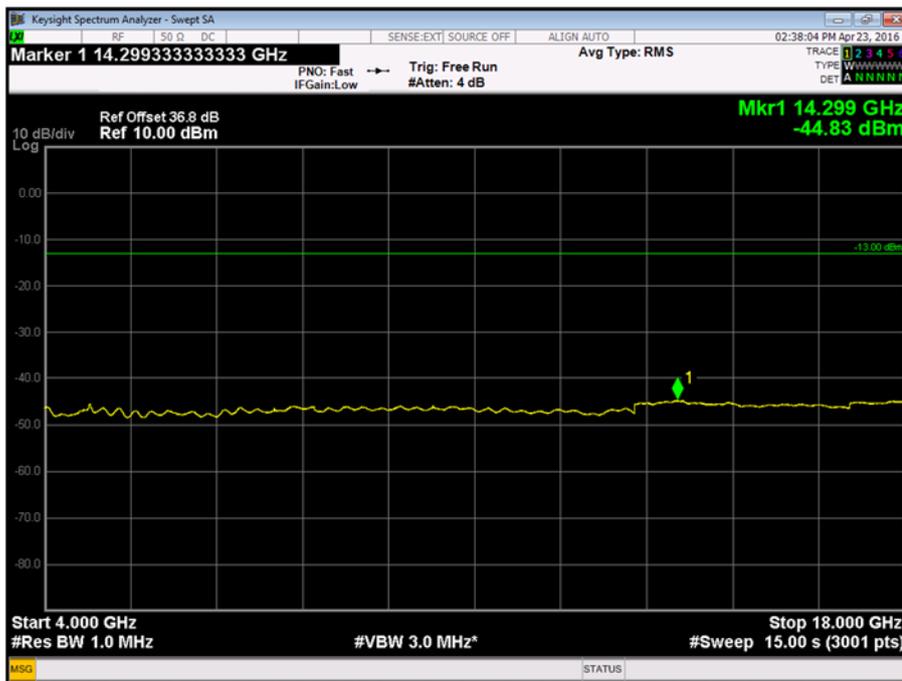
5.0 MHz Bandwidth - 16-QAM

2617.5 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz



10.0 MHz Bandwidth - QPSK

2575.0 MHz - 1 Resource Block - High – 4.0 GHz to 18.0 GHz

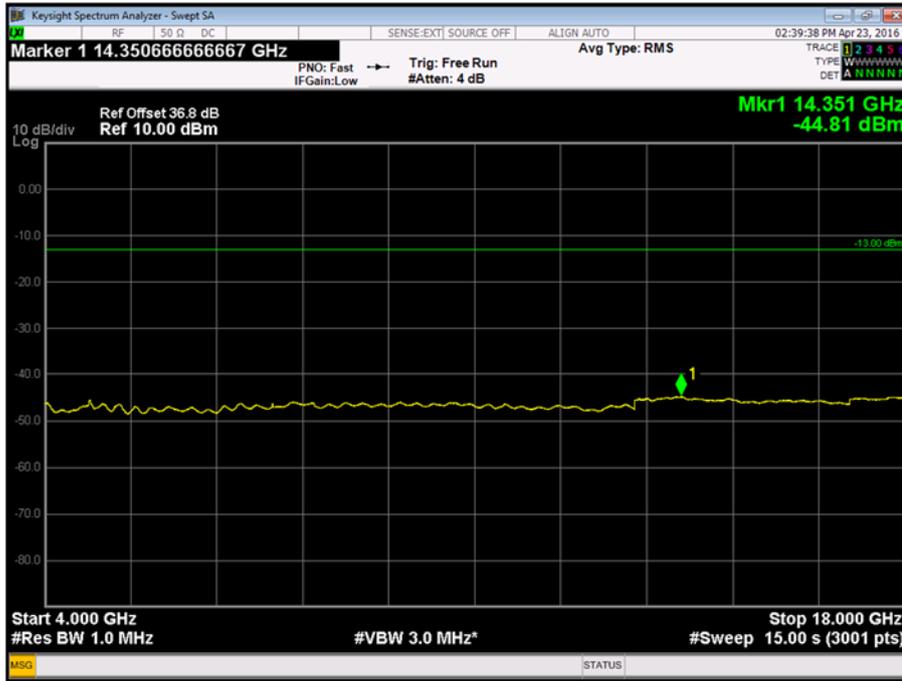




Product Service

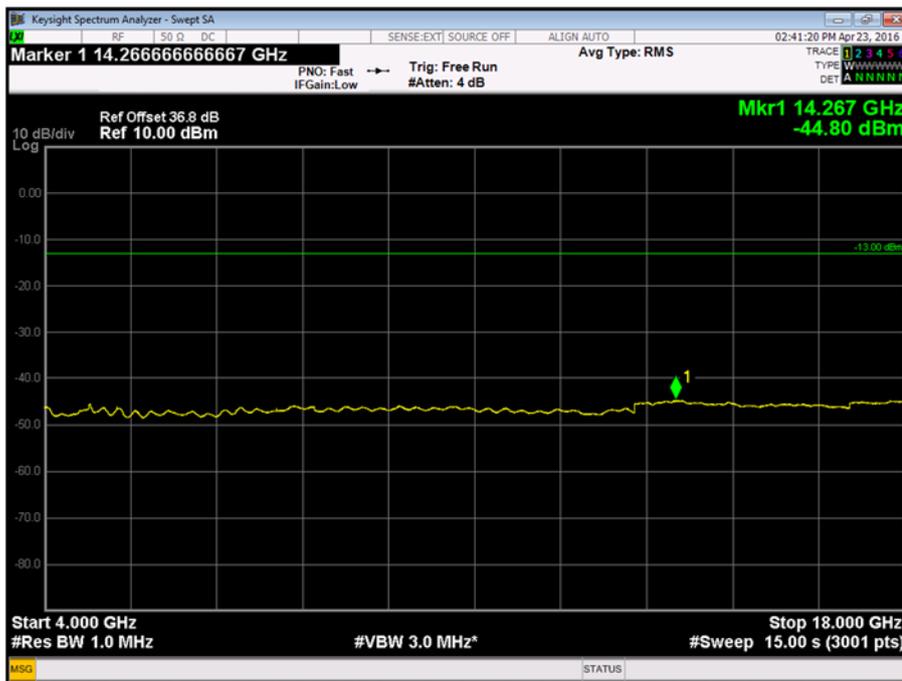
10.0 MHz Bandwidth - 16-QAM

2575.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz



10.0 MHz Bandwidth - QPSK

2595.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz

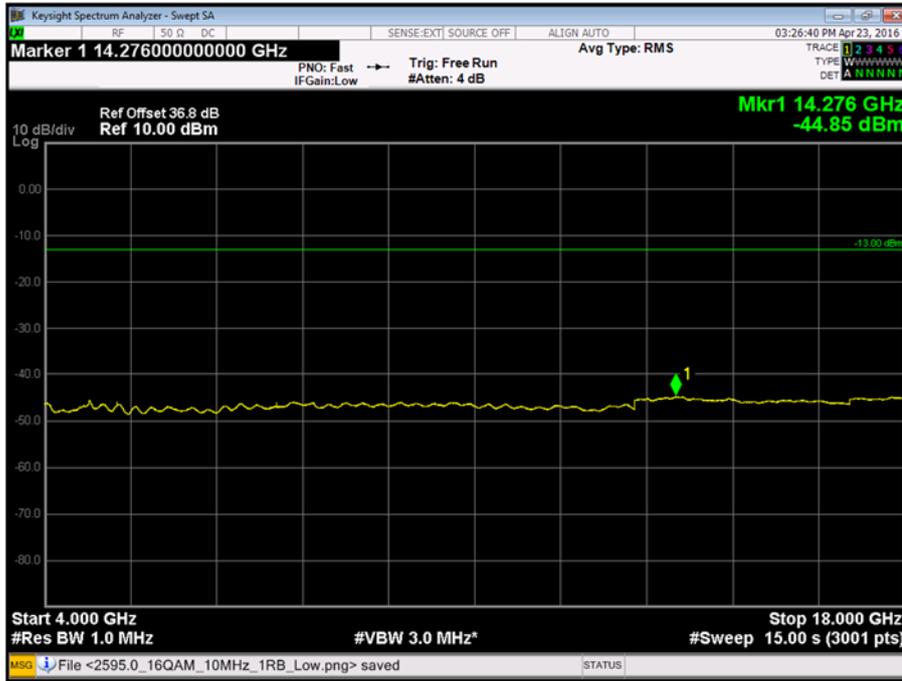




Product Service

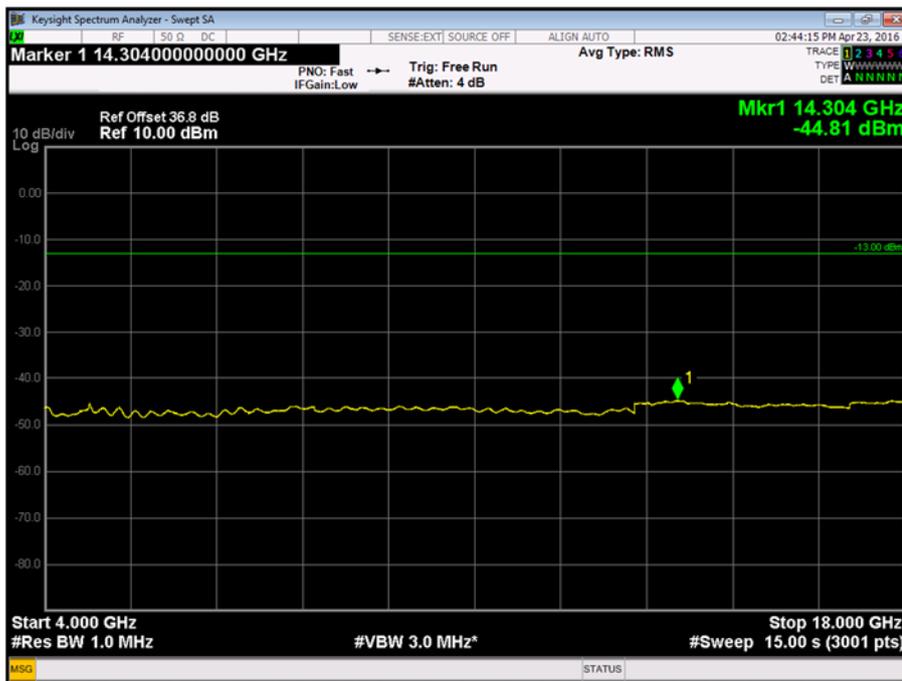
10.0 MHz Bandwidth - 16-QAM

2595.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz



10.0 MHz Bandwidth - QPSK

2615.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz

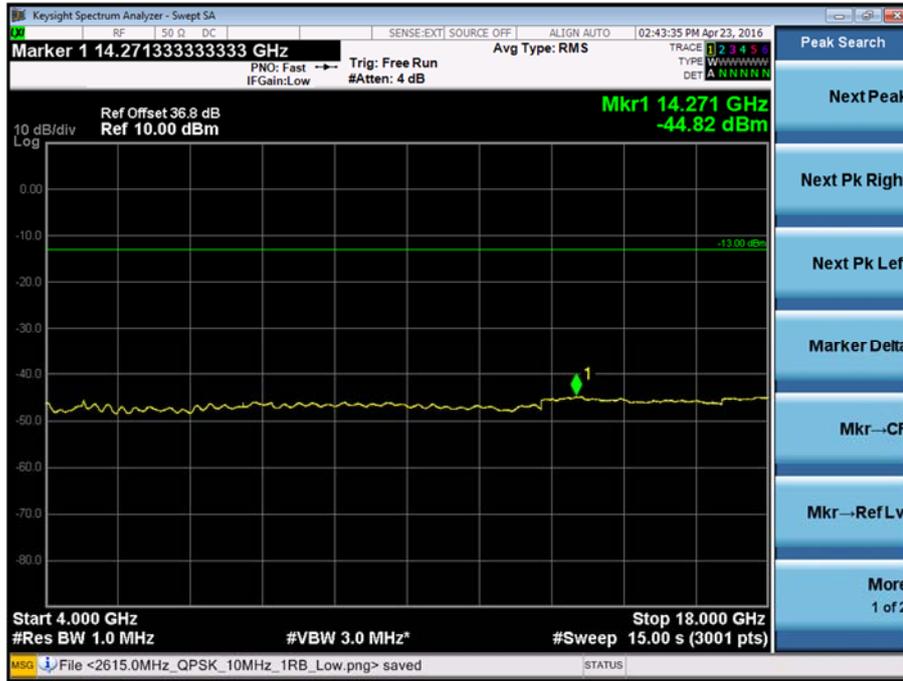




Product Service

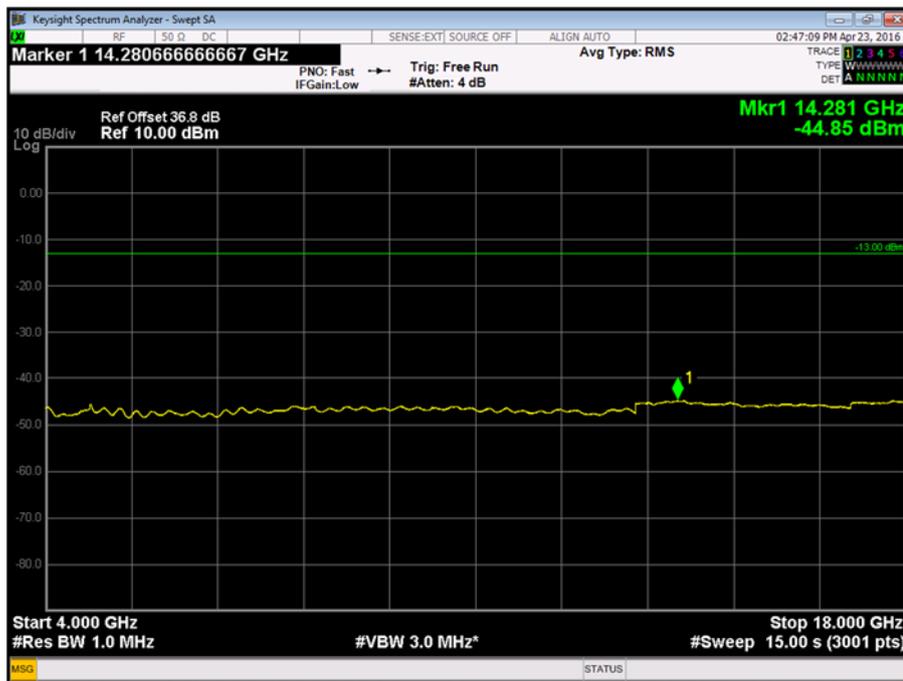
10.0 MHz Bandwidth - QPSK

2615.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz



15.0 MHz Bandwidth - QPSK

2577.5 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz

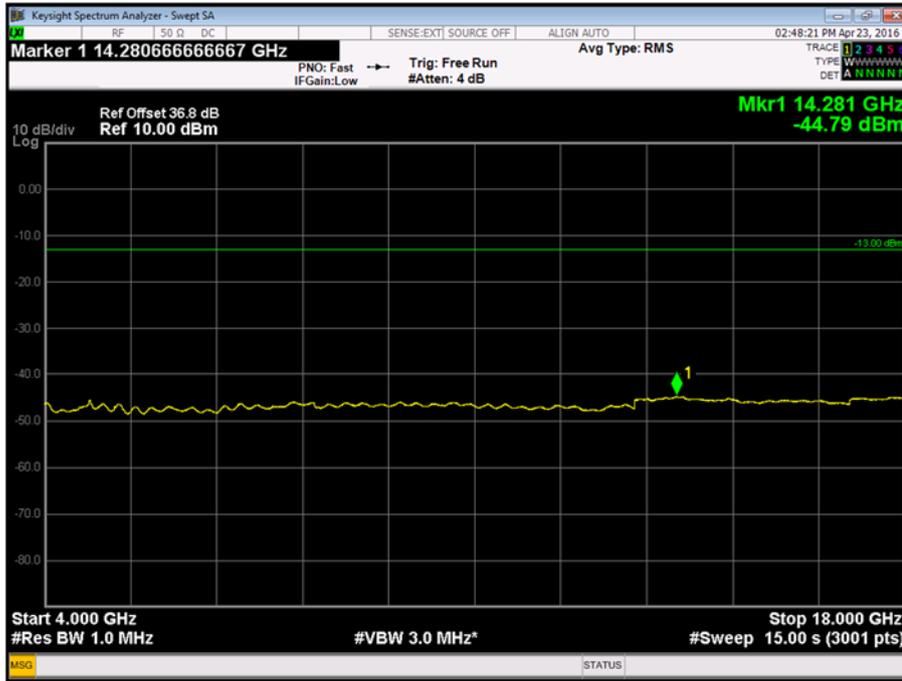




Product Service

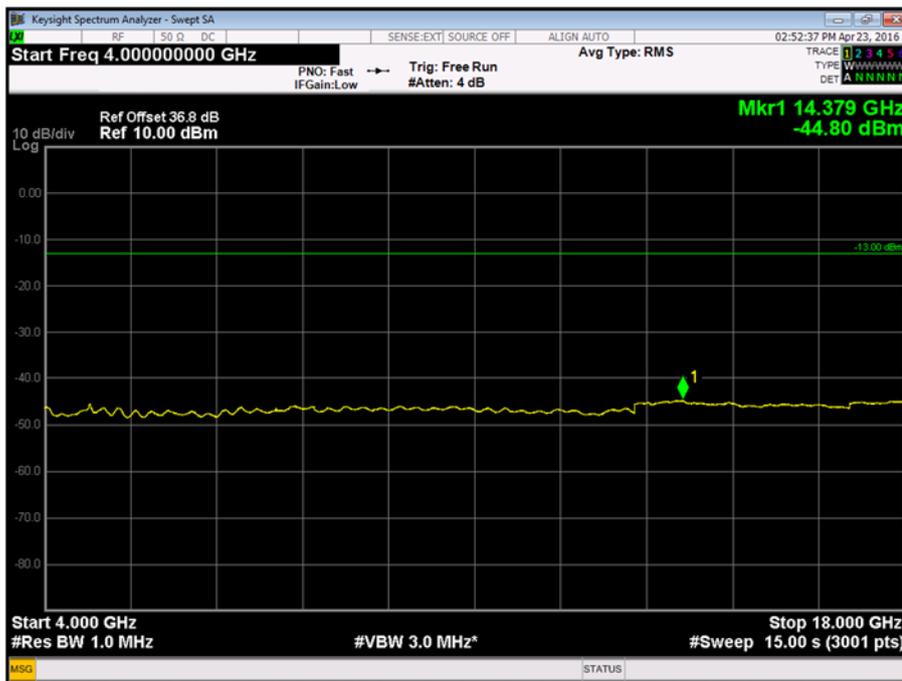
15.0 MHz Bandwidth - 16-QAM

2577.5 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz



15.0 MHz Bandwidth - QPSK

2595.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz

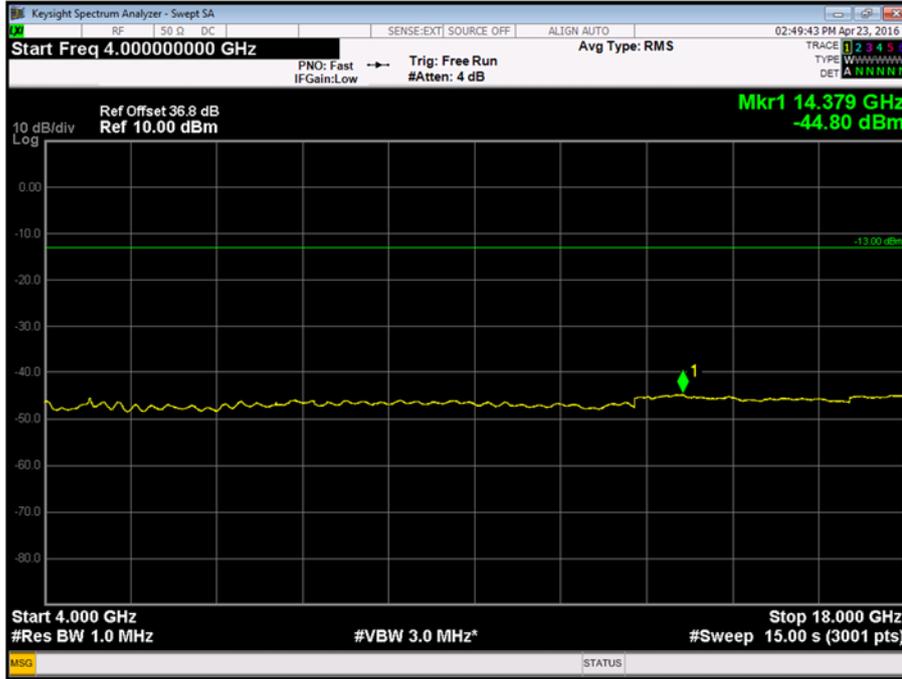




Product Service

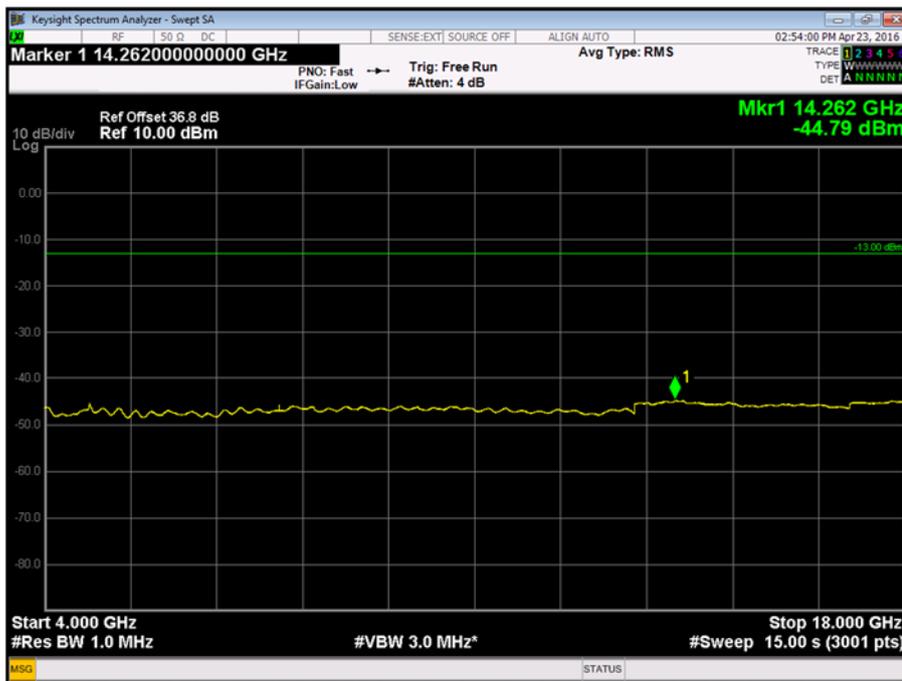
15.0 MHz Bandwidth - 16-QAM

2595.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz



15.0 MHz Bandwidth - QPSK

2612.5 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz

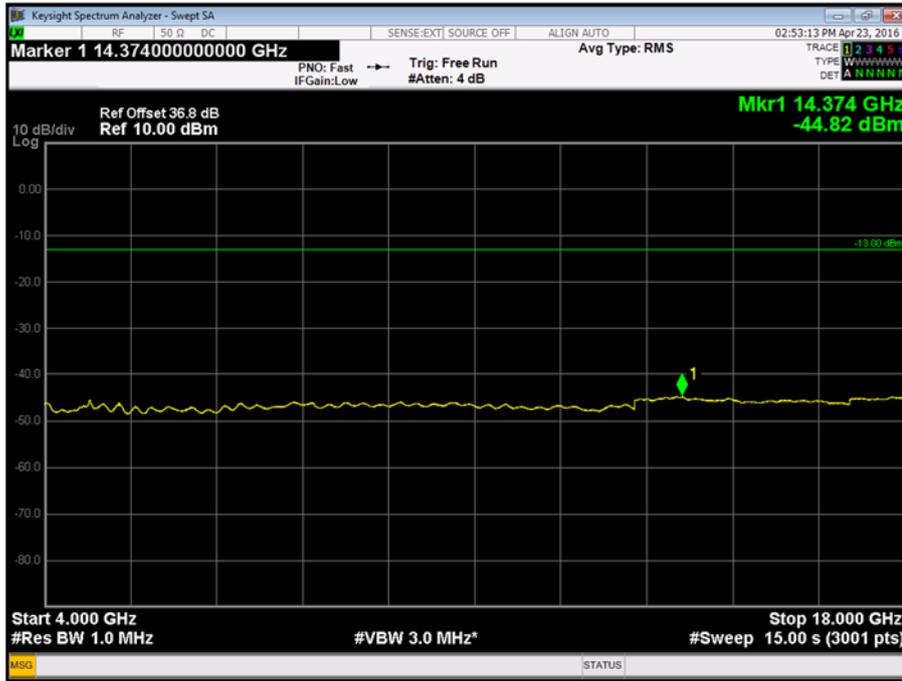




Product Service

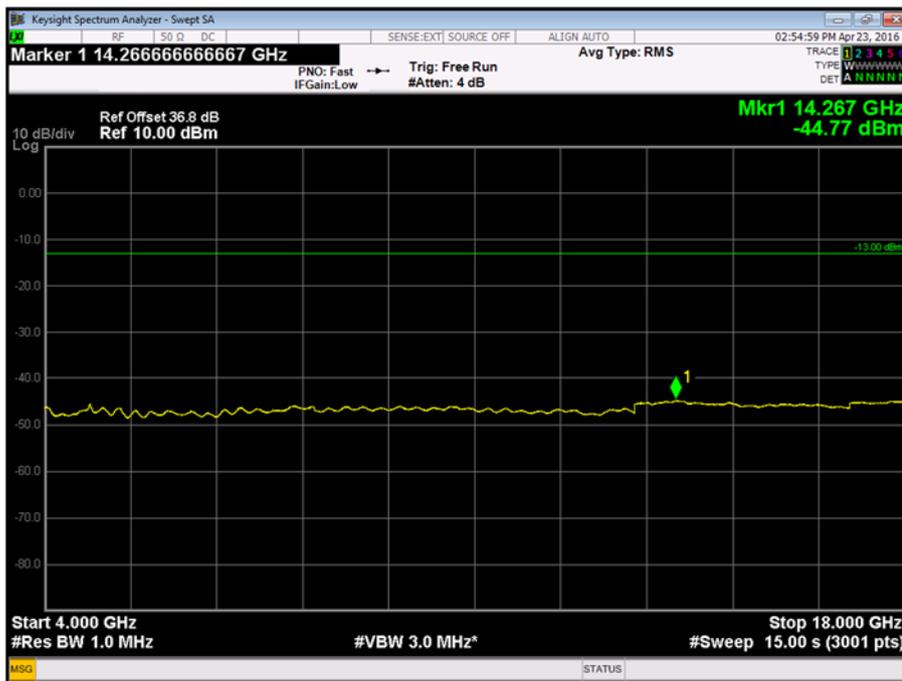
15.0 MHz Bandwidth - QPSK

2612.5 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz



20.0 MHz Bandwidth - QPSK

2580.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz

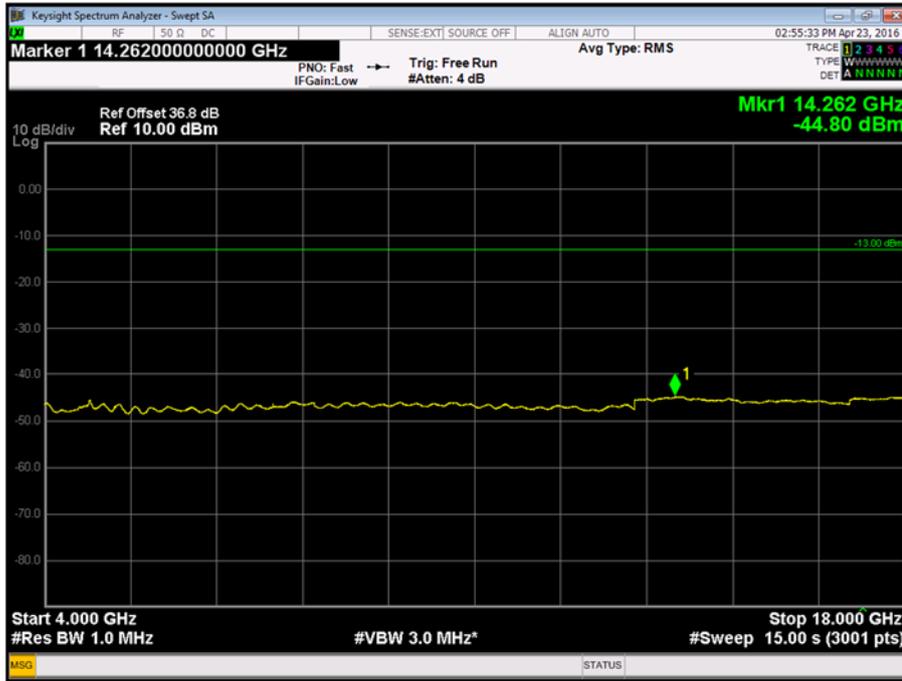




Product Service

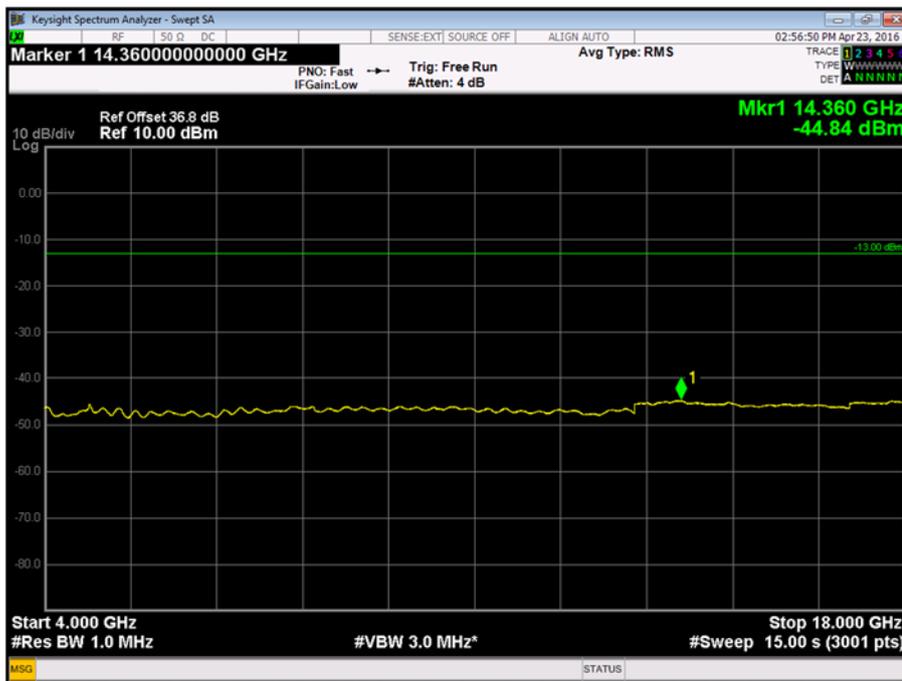
20.0 MHz Bandwidth - 16-QAM

2580.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz



20.0 MHz Bandwidth - QPSK

2595.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz

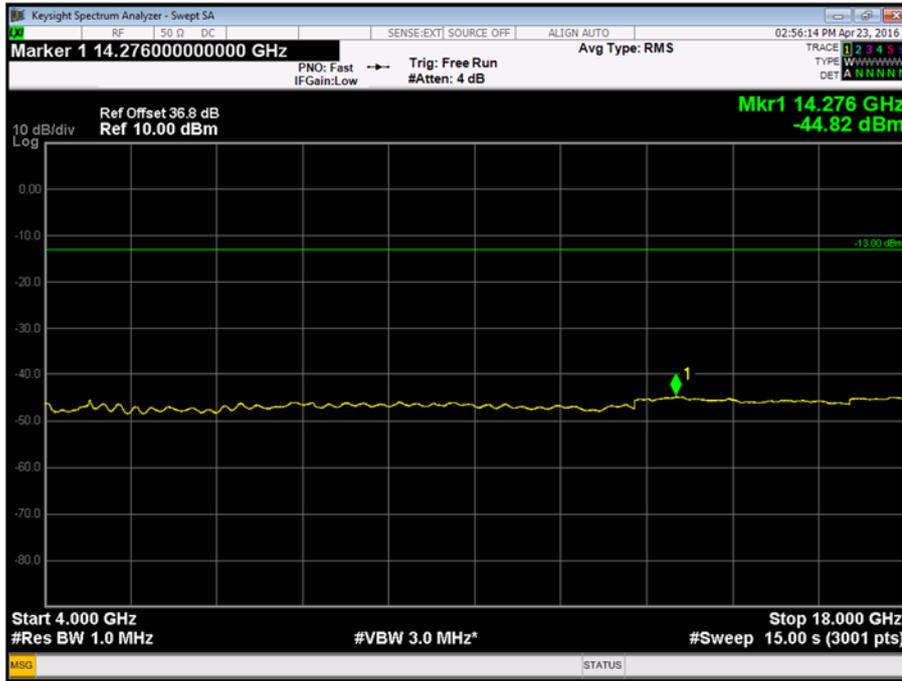




Product Service

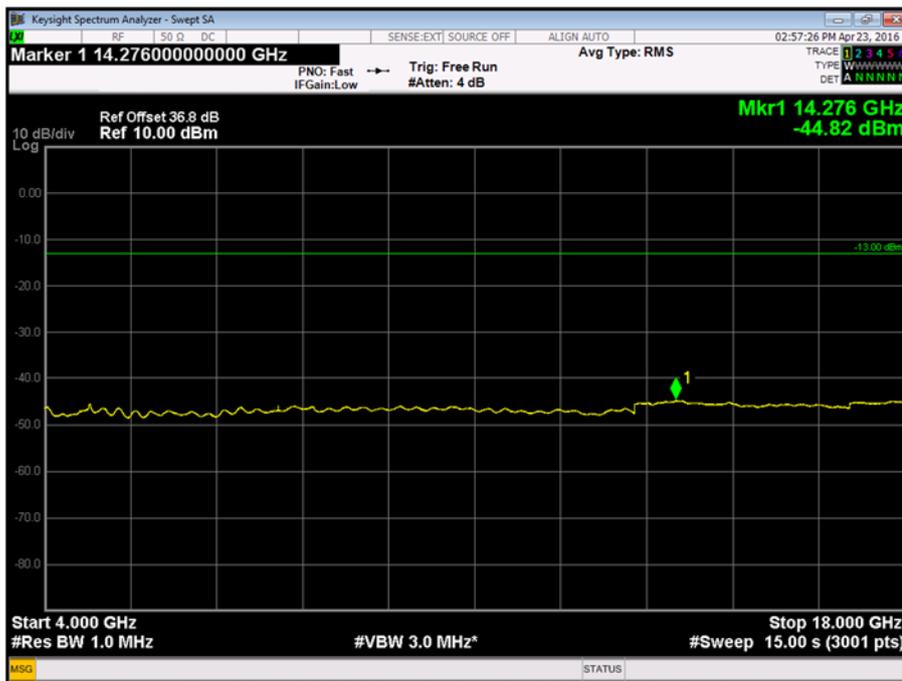
20.0 MHz Bandwidth - 16-QAM

2595.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz



20.0 MHz Bandwidth - QPSK

2610.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz

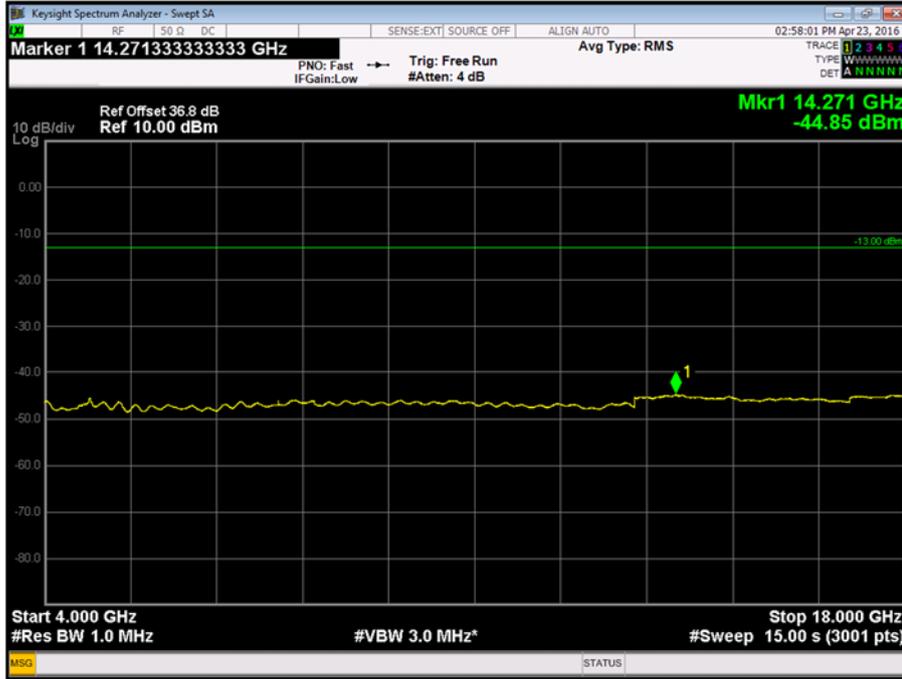




Product Service

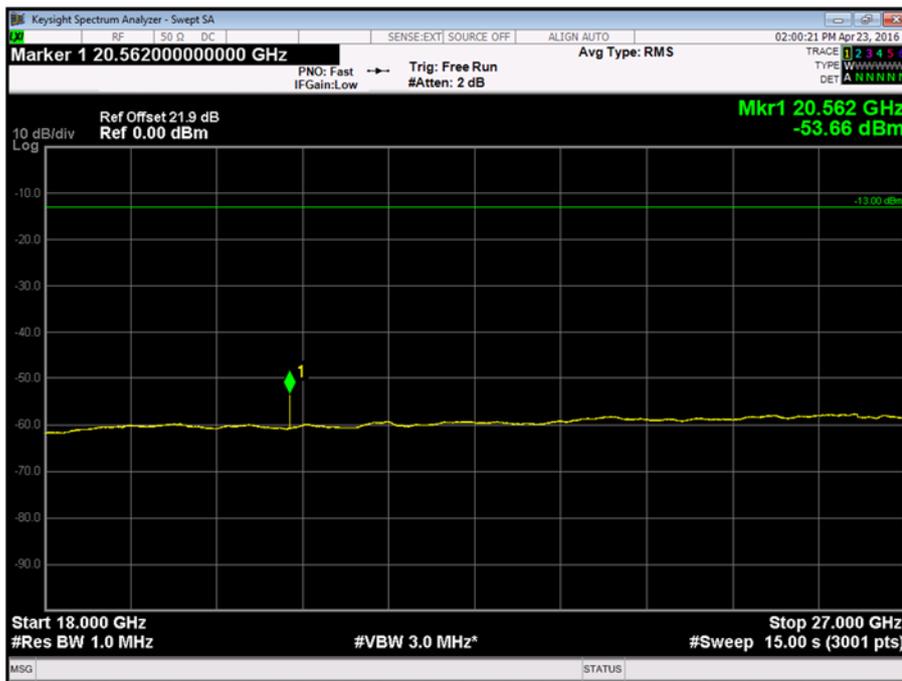
20.0 MHz Bandwidth - 16-QAM

2610.0 MHz - 1 Resource Block - Low – 4.0 GHz to 18.0 GHz



5.0 MHz Bandwidth - QPSK

2572.5 MHz - 1 Resource Block – Low – 18.0 GHz to 27.0 GHz

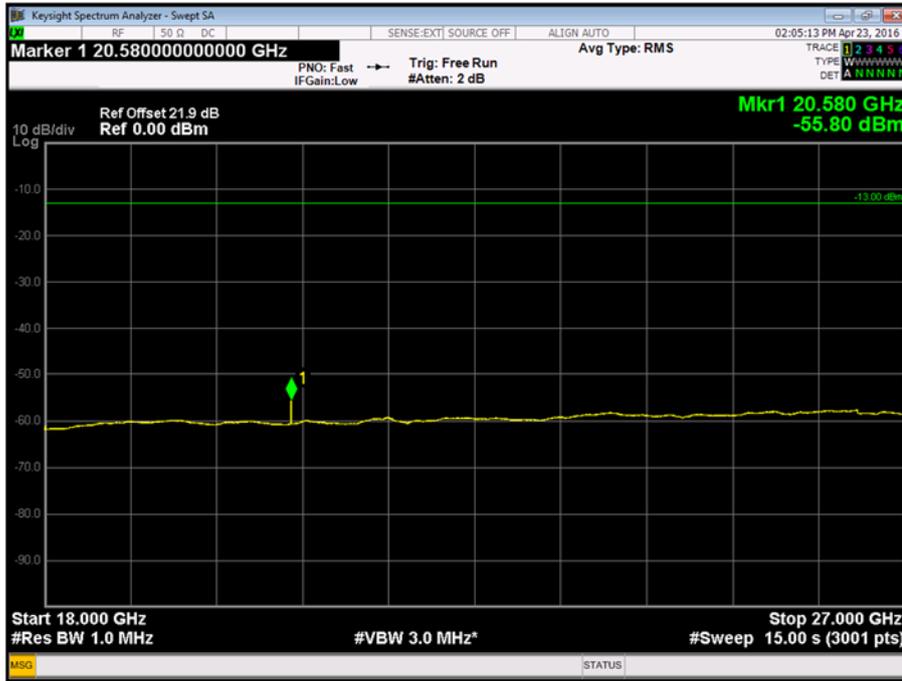




Product Service

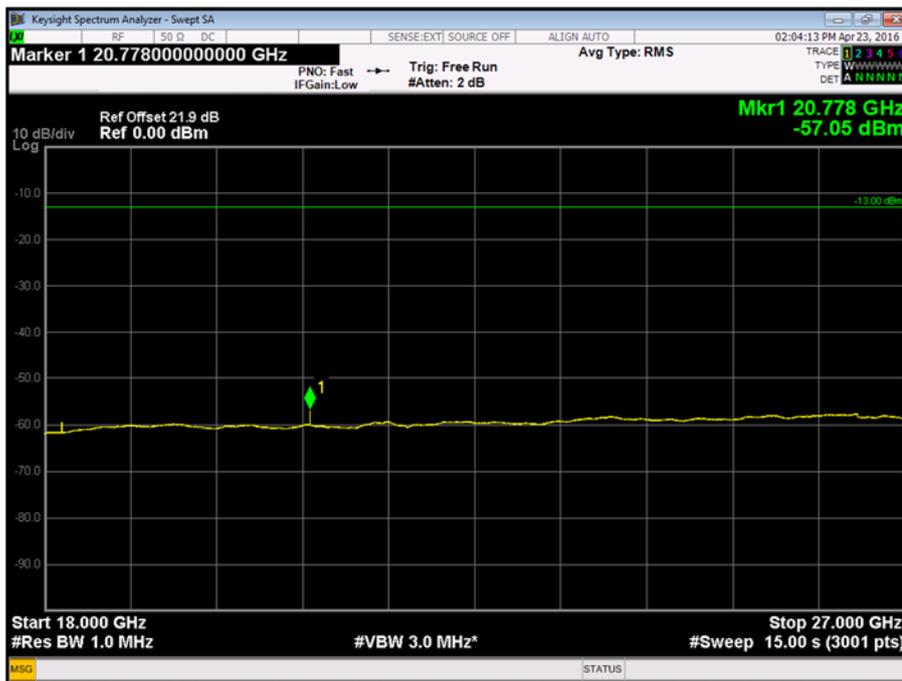
5.0 MHz Bandwidth - 16-QAM

2572.5 MHz - 1 Resource Block – Mid – 18.0 GHz to 27.0 GHz



5.0 MHz Bandwidth - QPSK

2595.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz

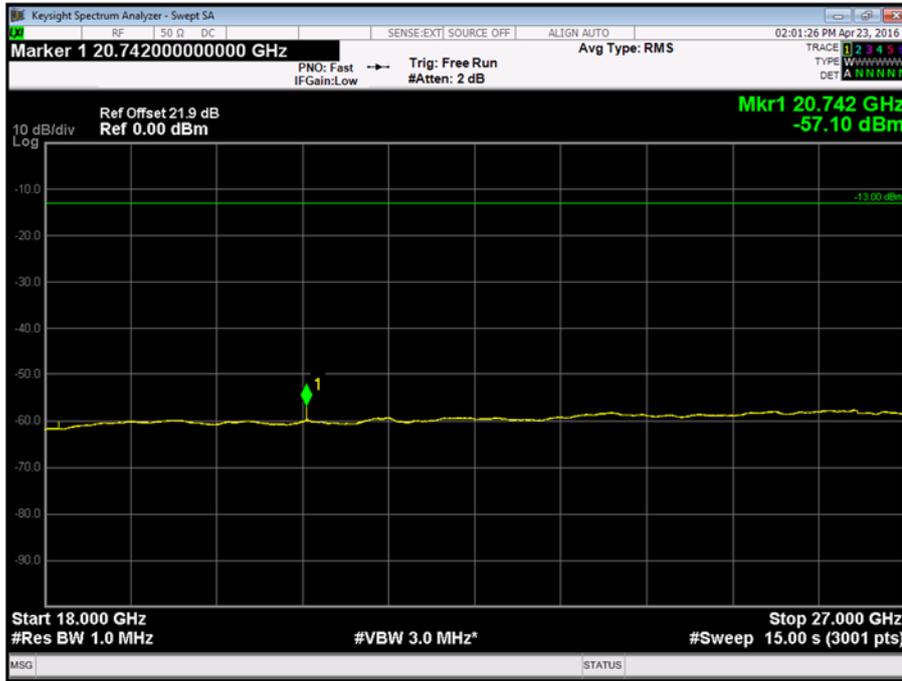




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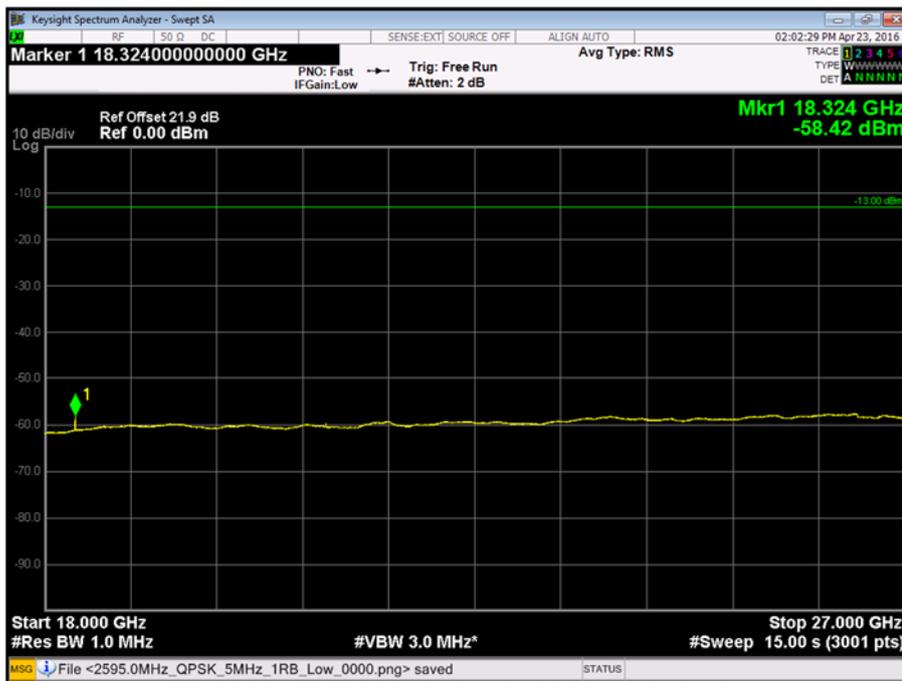
5.0 MHz Bandwidth - 16-QAM

2595.0 MHz - 1 Resource Block - High – 18.0 GHz to 27.0 GHz



5.0 MHz Bandwidth - QPSK

2617.5 MHz - 1 Resource Block - Mid – 18.0 GHz to 27.0 GHz

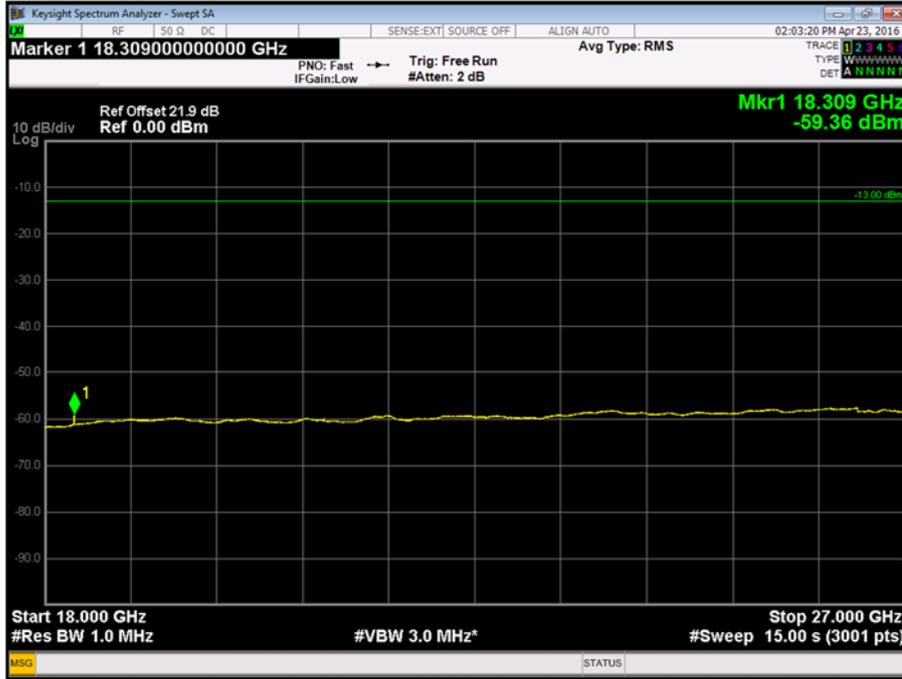




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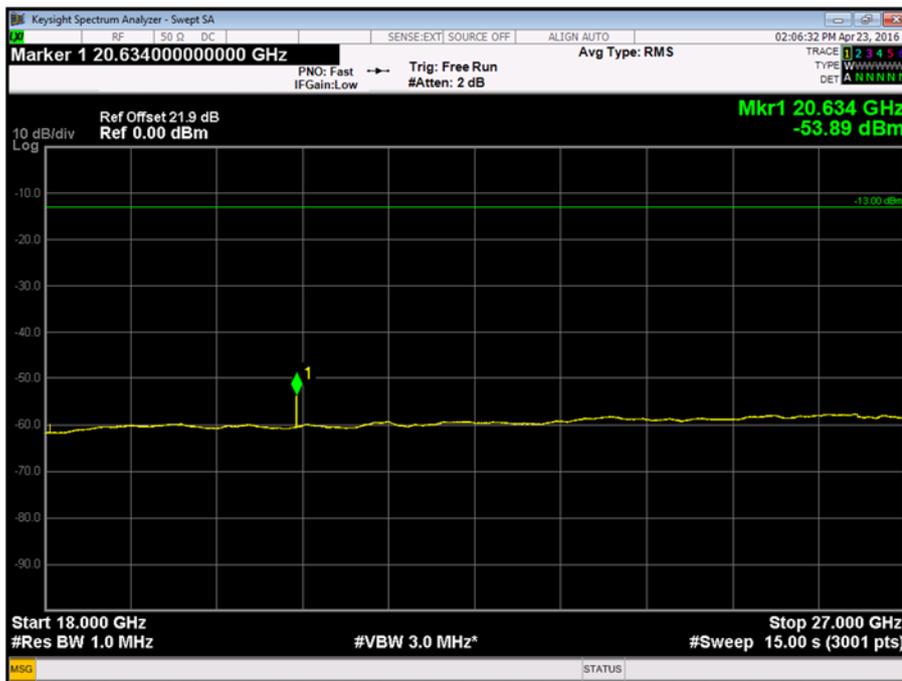
5.0 MHz Bandwidth - 16-QAM

2617.5 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz



10.0 MHz Bandwidth - QPSK

2575.0 MHz - 1 Resource Block - High – 18.0 GHz to 27.0 GHz

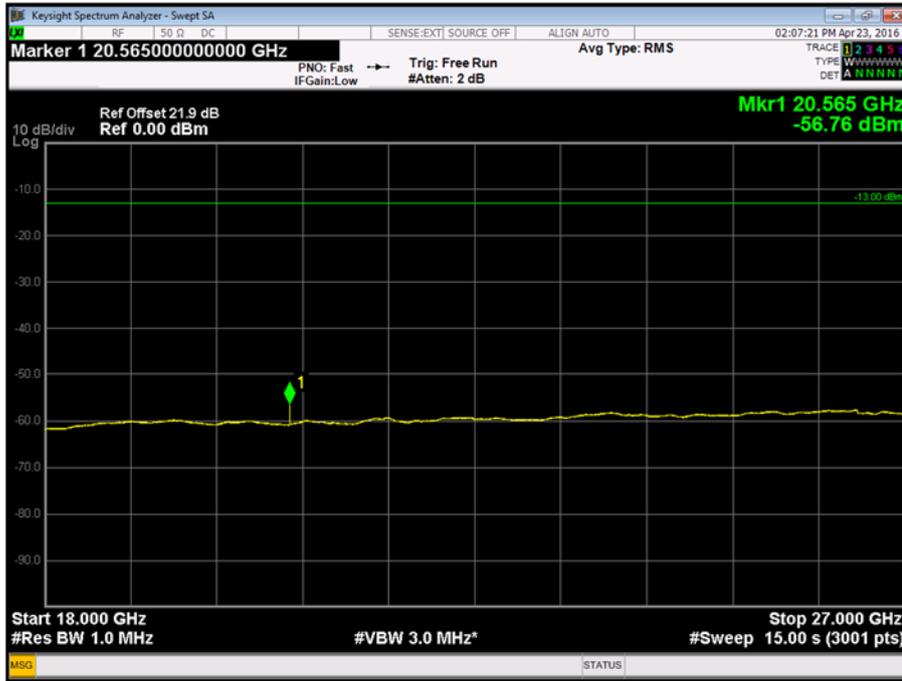




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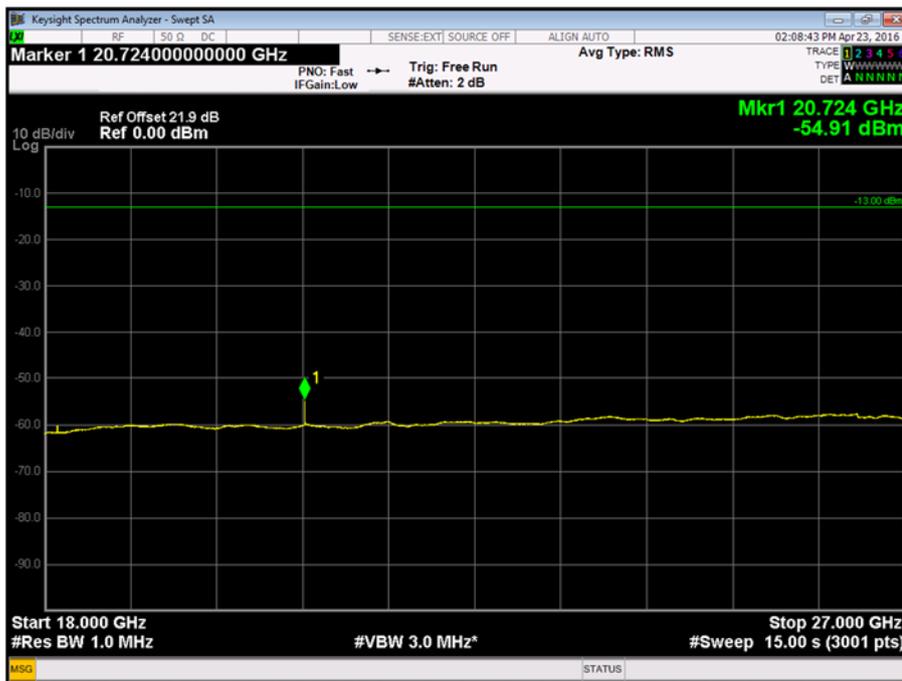
10.0 MHz Bandwidth - 16-QAM

2575.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz



10.0 MHz Bandwidth - QPSK

2595.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz

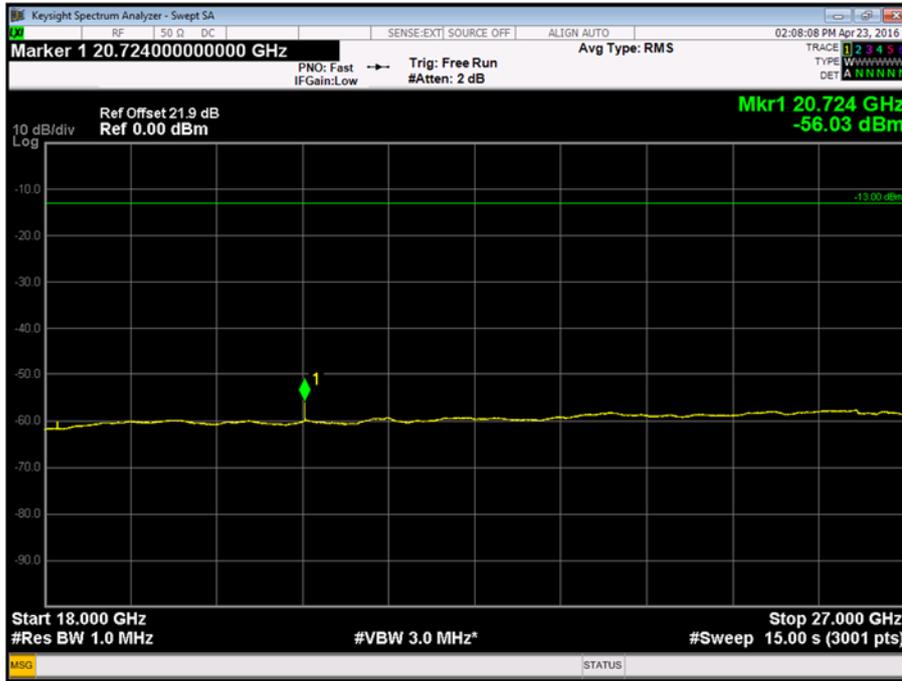




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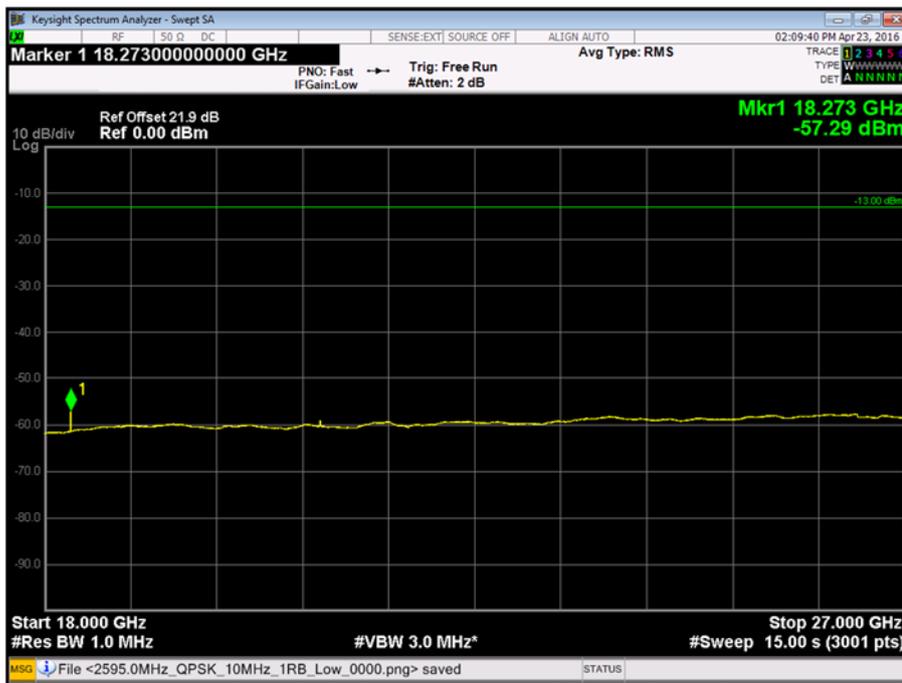
10.0 MHz Bandwidth - 16-QAM

2595.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz



10.0 MHz Bandwidth - QPSK

2615.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz

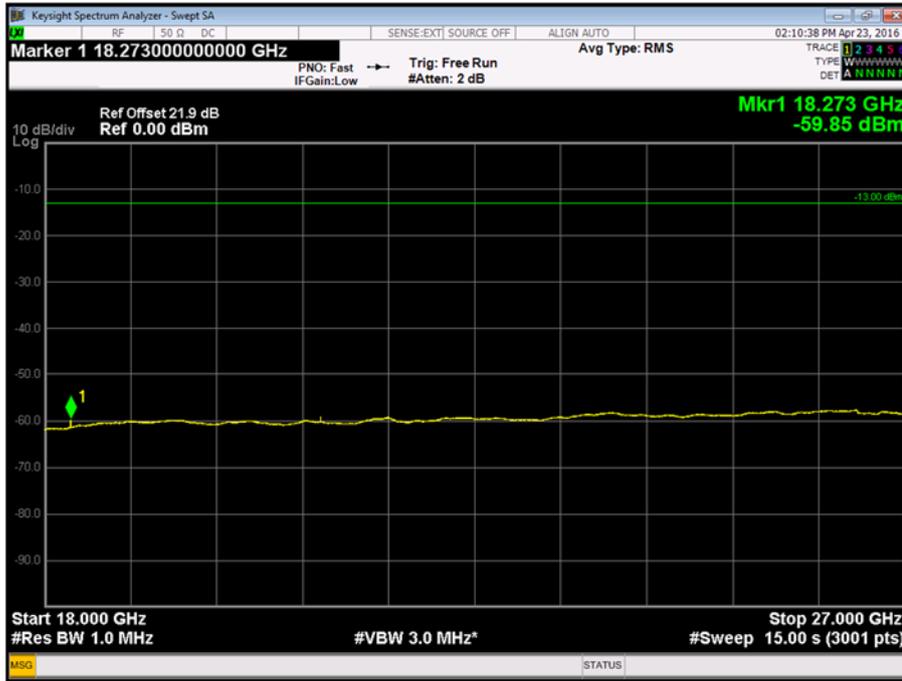




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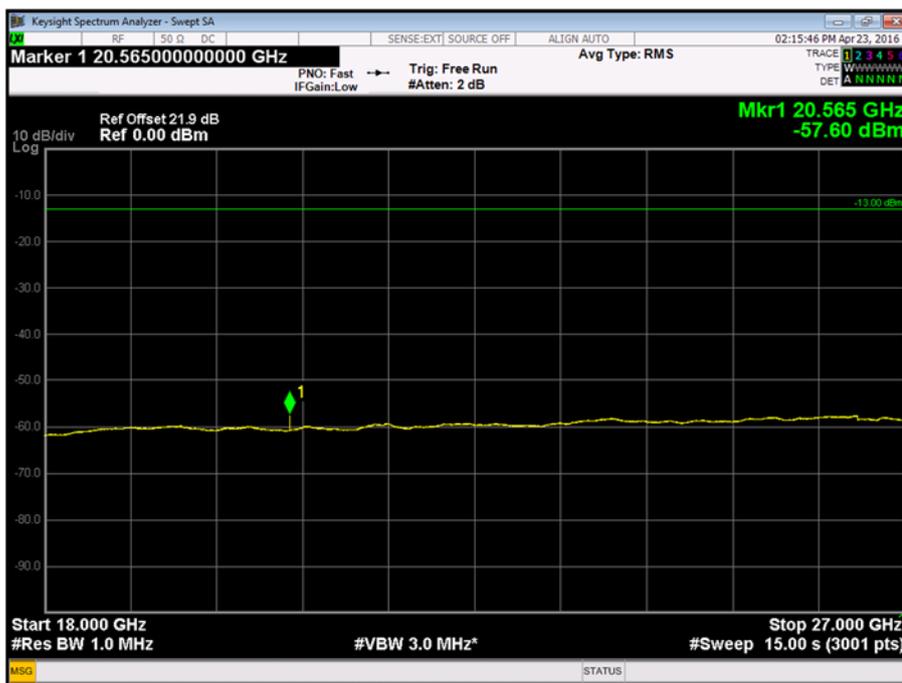
10.0 MHz Bandwidth - QPSK

2615.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz



15.0 MHz Bandwidth - QPSK

2577.5 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz

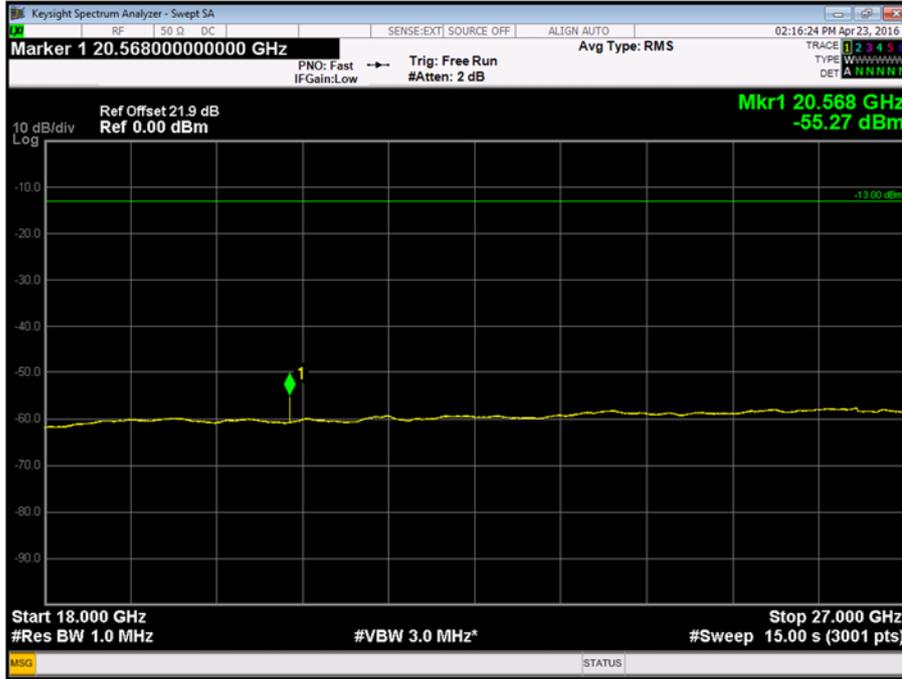




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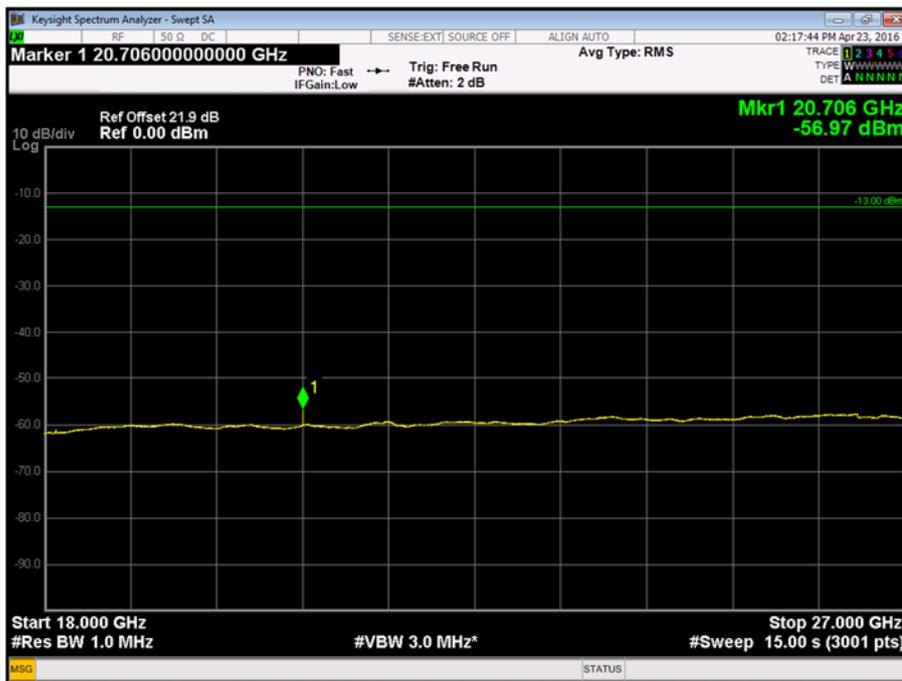
15.0 MHz Bandwidth - 16-QAM

2577.5 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz



15.0 MHz Bandwidth - QPSK

2595.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz

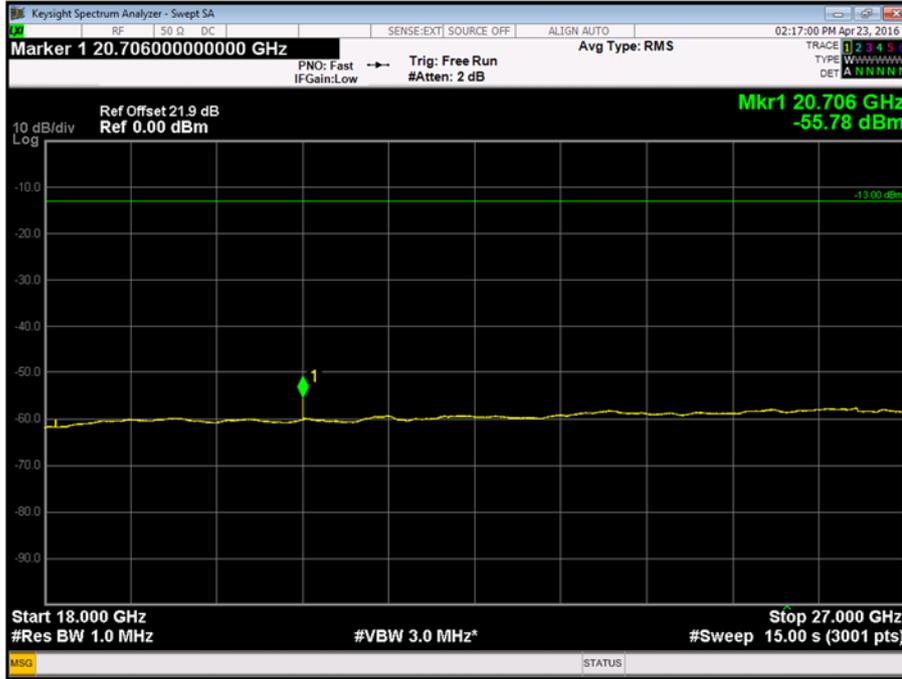




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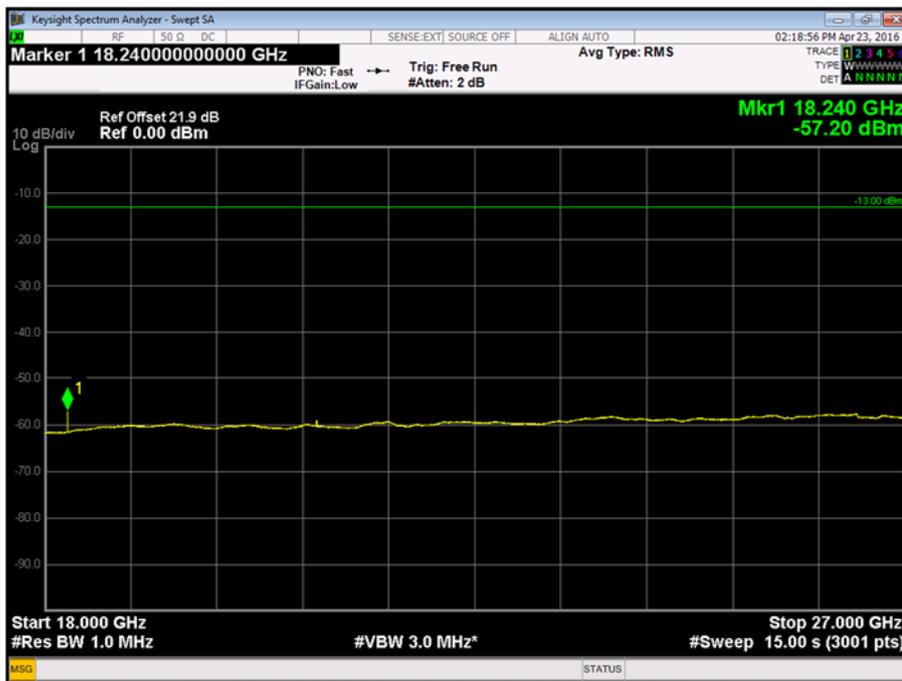
15.0 MHz Bandwidth - 16-QAM

2595.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz



15.0 MHz Bandwidth - QPSK

2612.5 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz

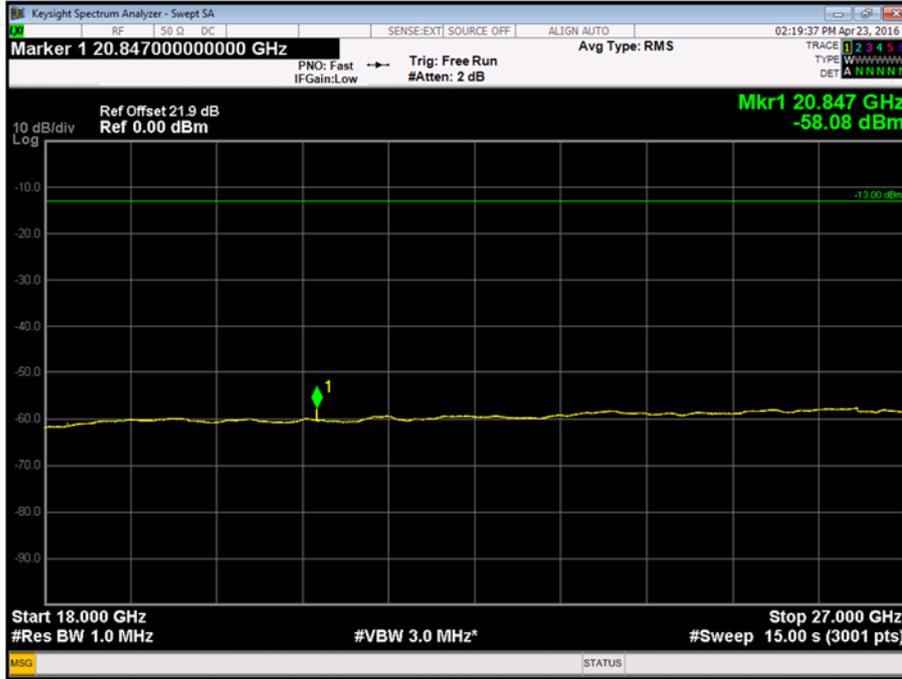




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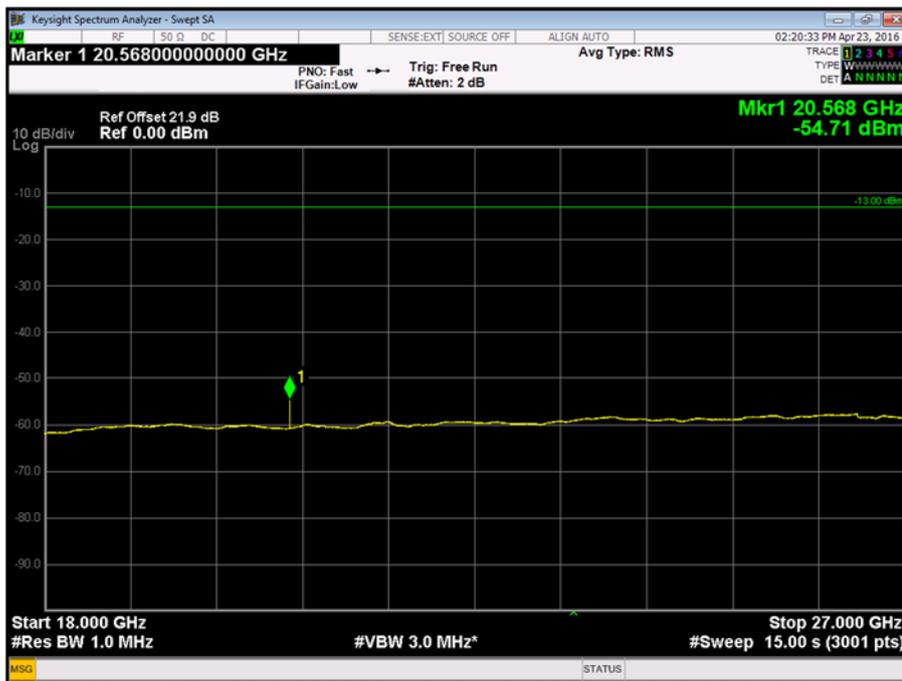
15.0 MHz Bandwidth - QPSK

2612.5 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz



20.0 MHz Bandwidth - QPSK

2580.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz

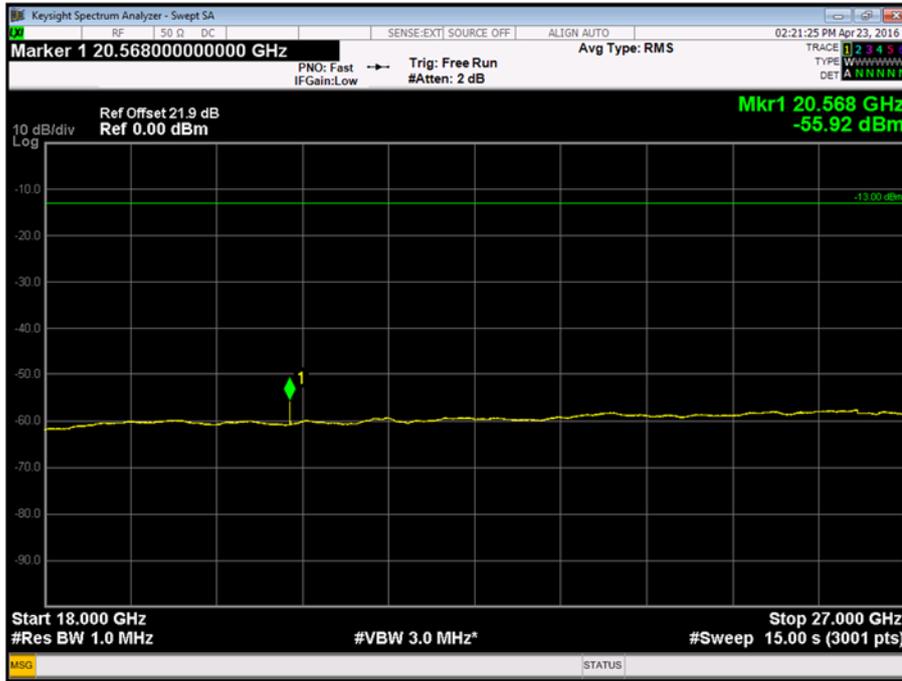




Product Service

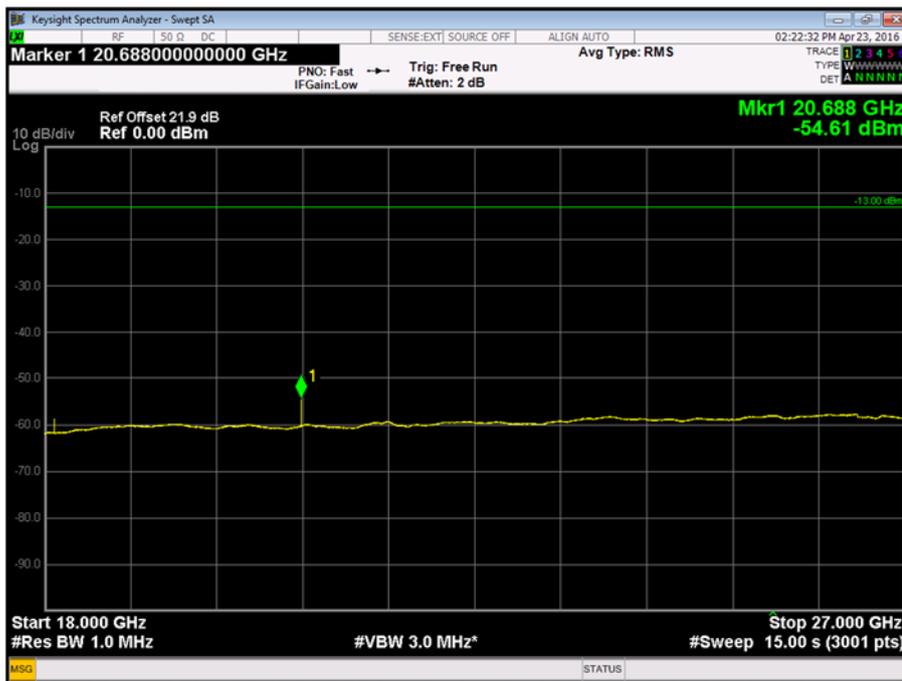
20.0 MHz Bandwidth - 16-QAM

2580.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz



20.0 MHz Bandwidth - QPSK

2595.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz

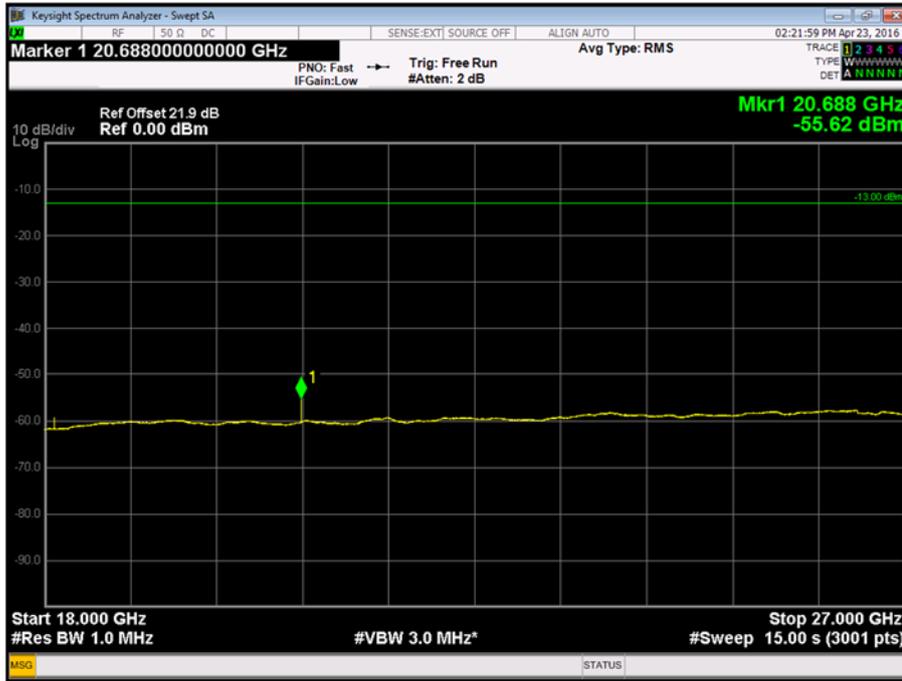




Product Service

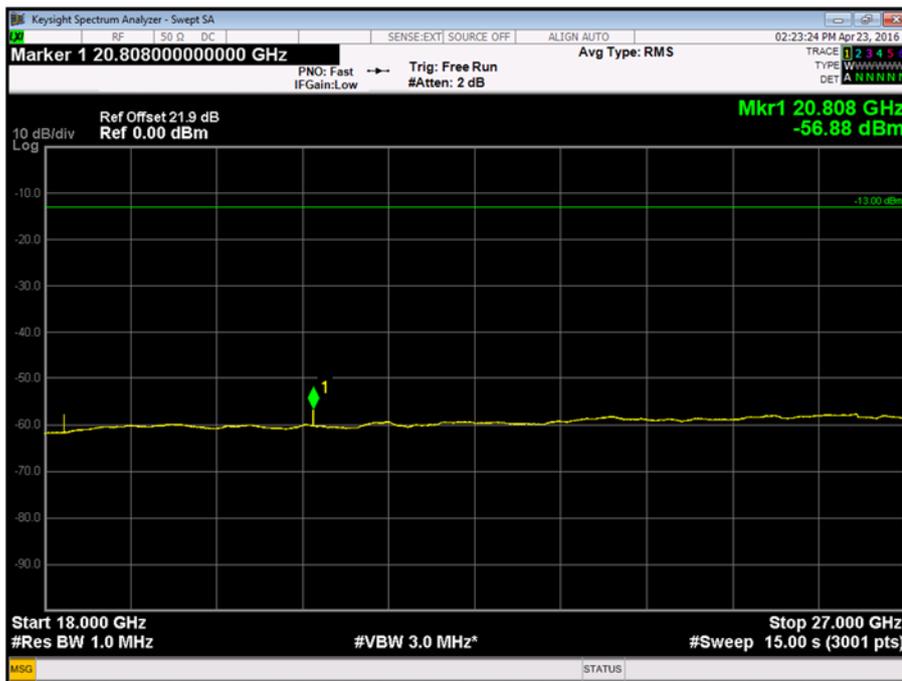
20.0 MHz Bandwidth - 16-QAM

2595.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz



20.0 MHz Bandwidth - QPSK

2610.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz

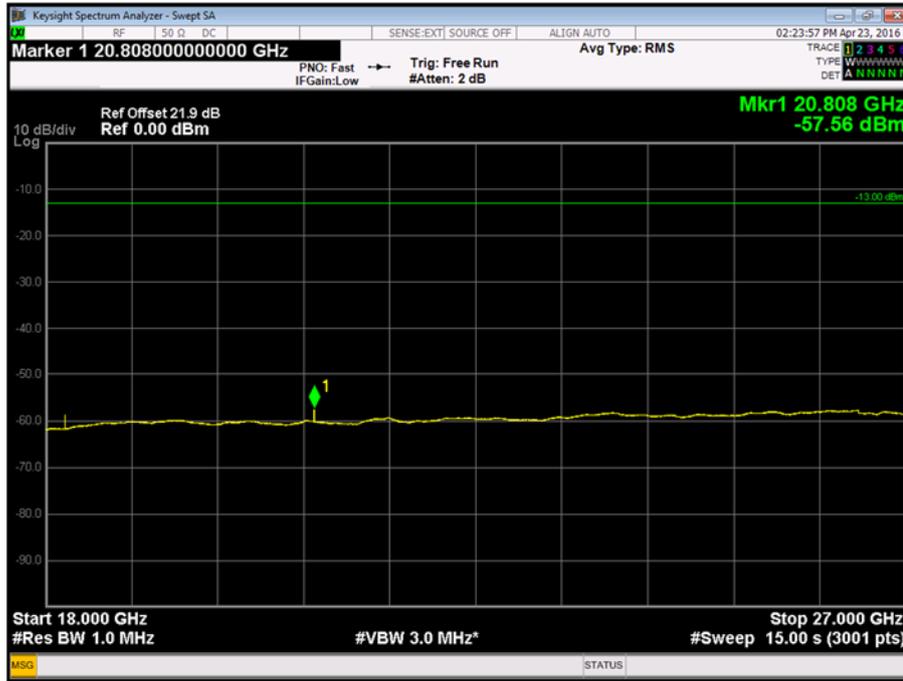




Product Service

20.0 MHz Bandwidth - 16-QAM

2610.0 MHz - 1 Resource Block - Low – 18.0 GHz to 27.0 GHz



FCC 47 CFR Part 27 Limit Clause 27.53 (e)(8)

-13 dBm



Product Service

2.4 BAND EDGE

2.4.1 Specification Reference

FCC 47 CFR Part 2, Clause 2.1051
FCC 47 CFR Part 27, Clause 27.53

2.4.2 Equipment Under Test and Modification State

S/N: IMEI 004401115723252 - Modification State 0

2.4.3 Date of Test

23 March 2016 & 26 April 2016

2.4.4 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.4.5 Test Procedure

The test was performed in accordance with KDB 971168 D01 v02r02, Clause 6.

2.4.6 Environmental Conditions

Ambient Temperature	23.3 - 23.5°C
Relative Humidity	25.6 - 28.8%



Product Service

2.4.7 Test Results

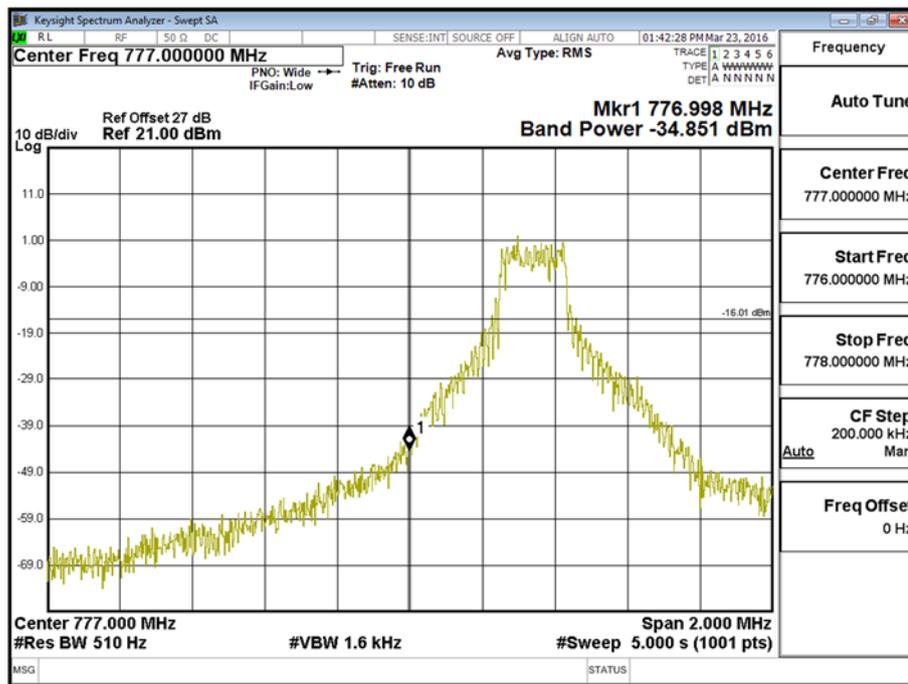
4.0 V DC Supply

LTE FDD13, Band Edge Results

5.0 MHz Bandwidth - QPSK

Band Edge (dBm)			
779.5 MHz		784.5 MHz	
1 Resource Block	All Resource Blocks	1 Resource Block	All Resource Blocks
Low		High	
-34.85	-32.92	-34.98	-33.00

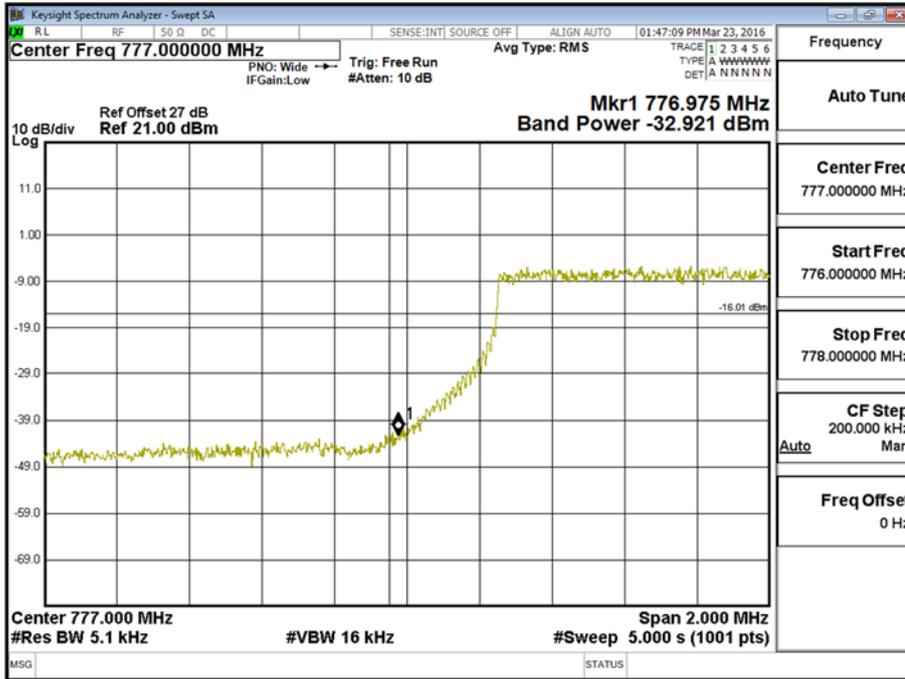
779.5 MHz - 1 Resource Block - Low



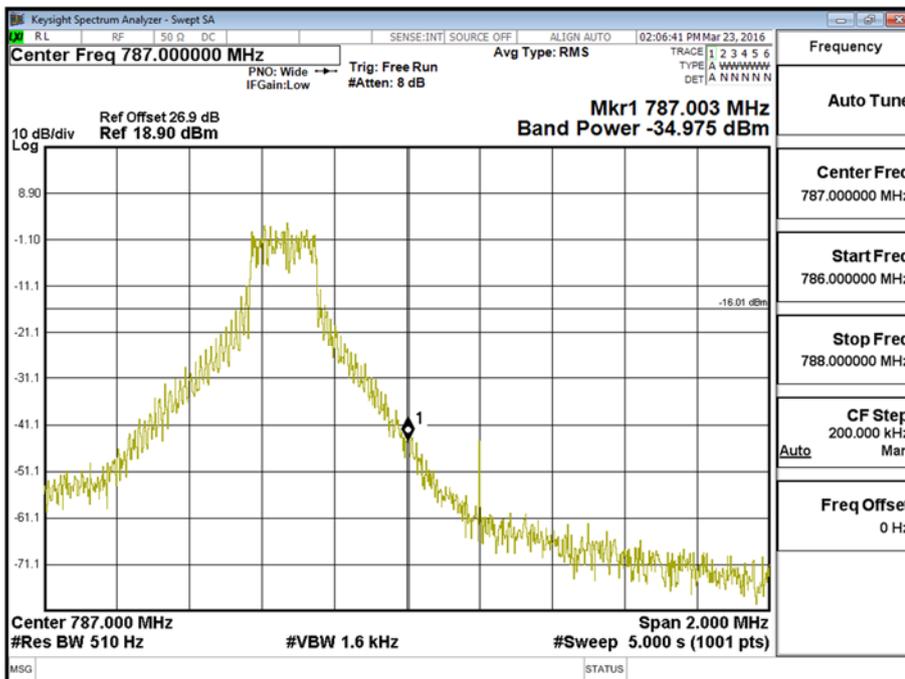


Product Service

779.5 MHz - All Resource Blocks



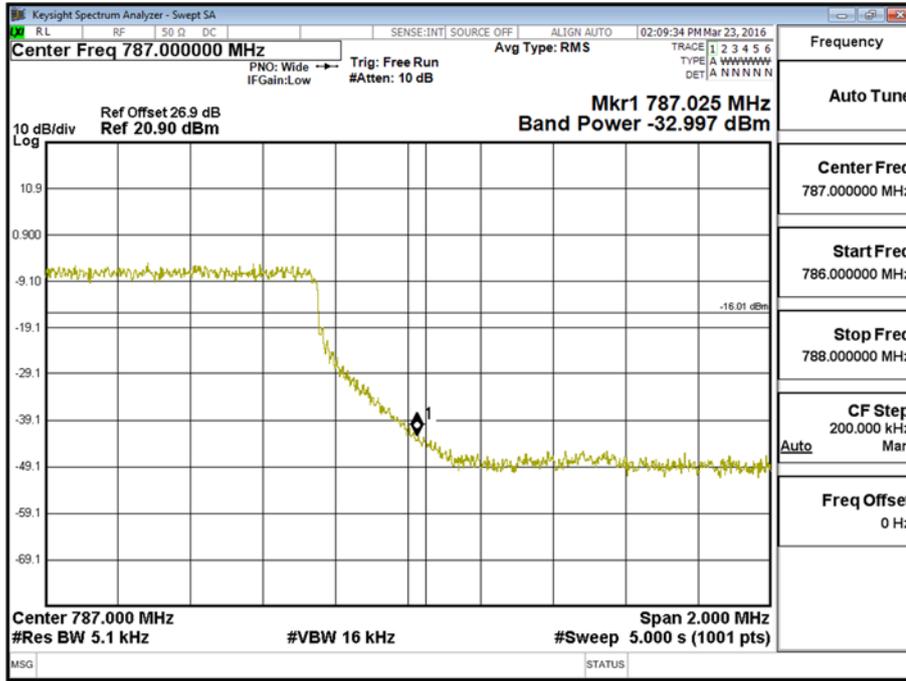
784.5 MHz - 1 Resource Block - High





Product Service

784.5 MHz - All Resource Blocks



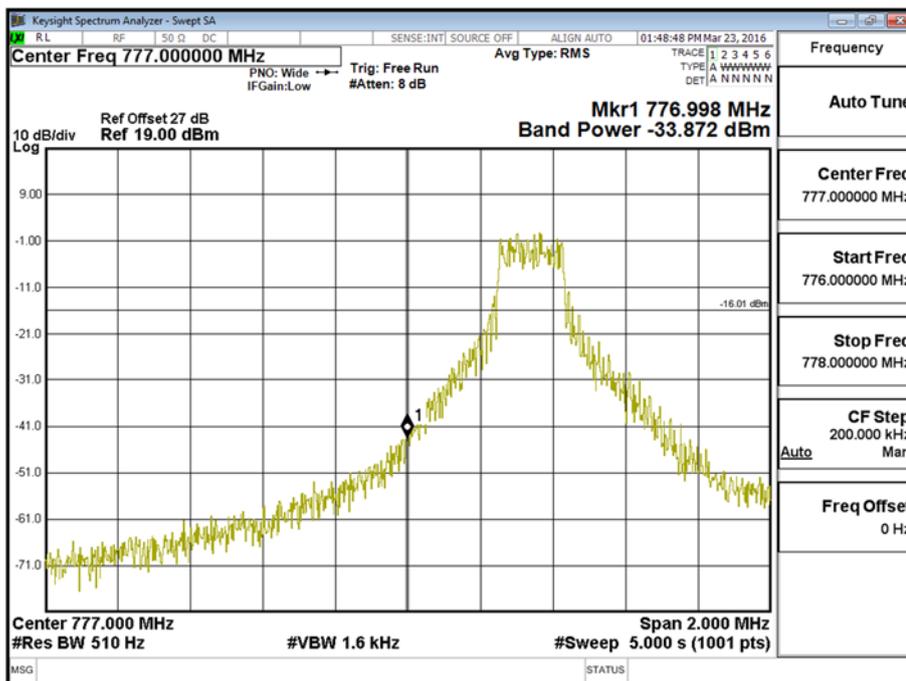


Product Service

5.0 MHz Bandwidth - 16-QAM

Band Edge (dBm)			
779.5 MHz		784.5 MHz	
1 Resource Block	All Resource Blocks	1 Resource Block	All Resource Blocks
Low		High	
-33.87	-34.02	-35.60	-35.16

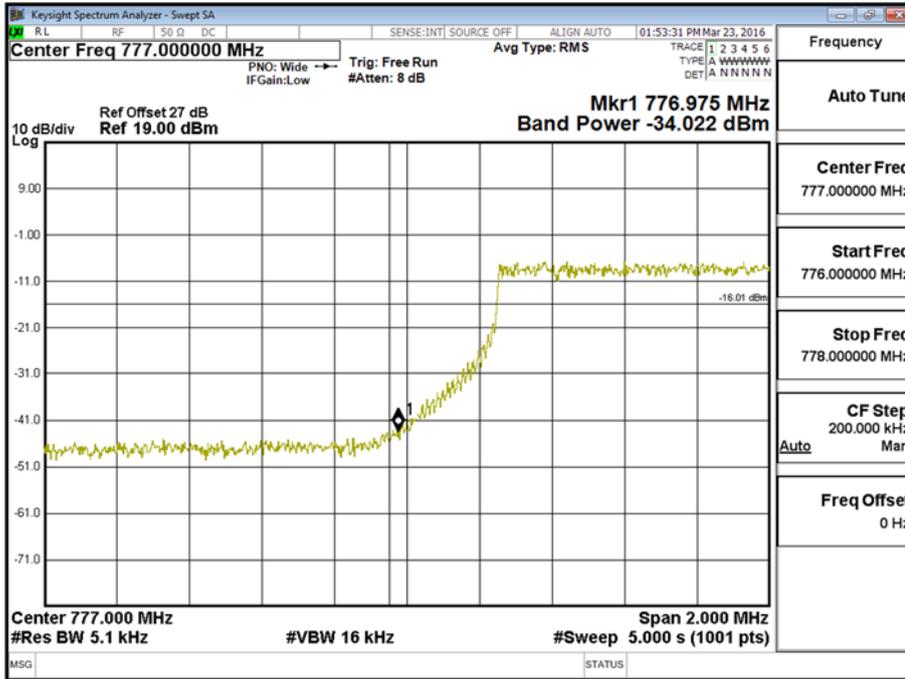
779.5 MHz - 1 Resource Block - Low



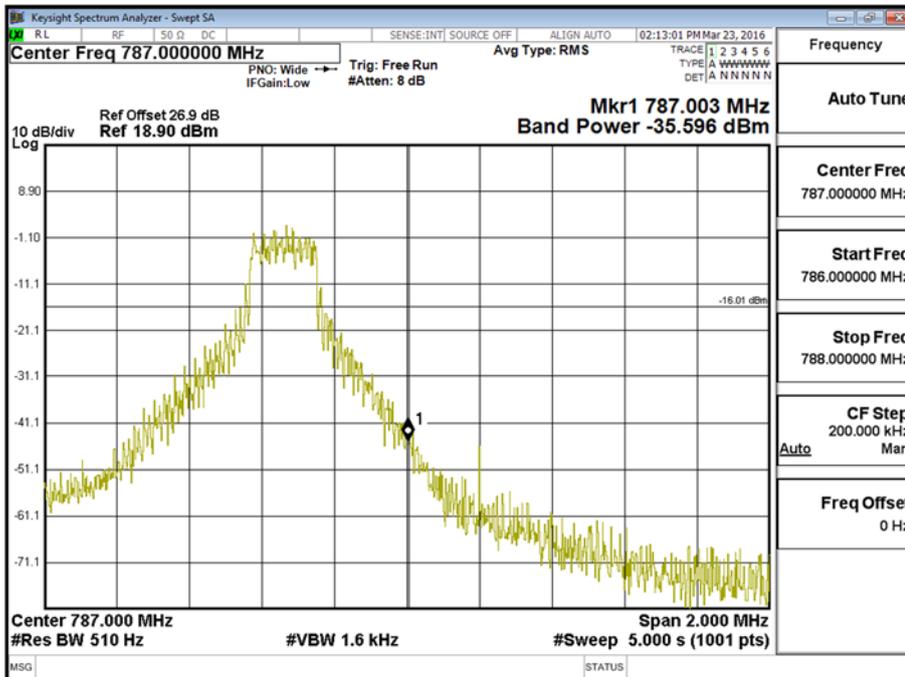


Product Service

779.5 MHz - All Resource Blocks



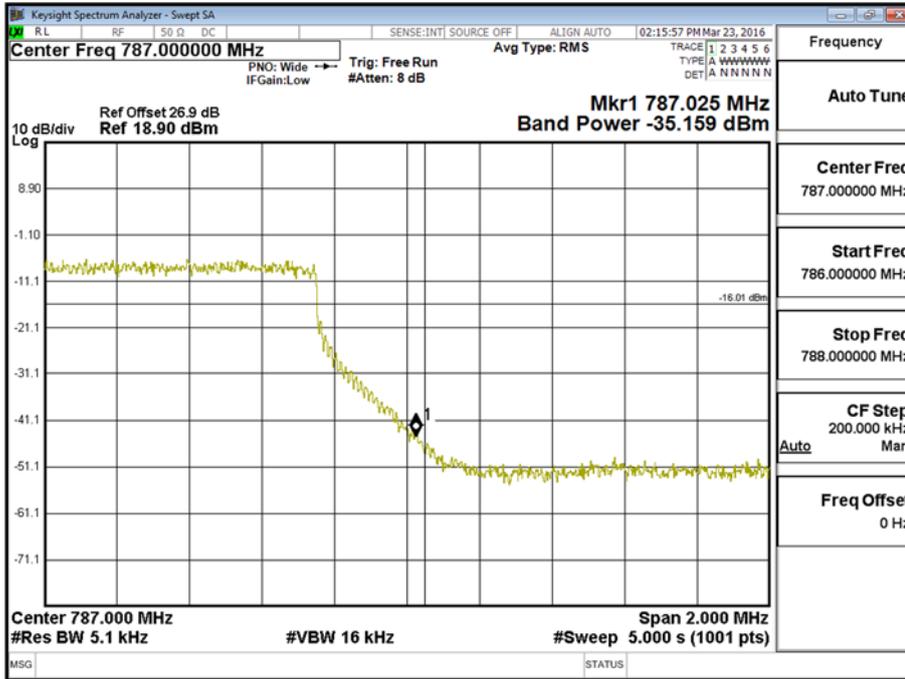
784.5 MHz - 1 Resource Block - High





Product Service

784.5 MHz - All Resource Blocks



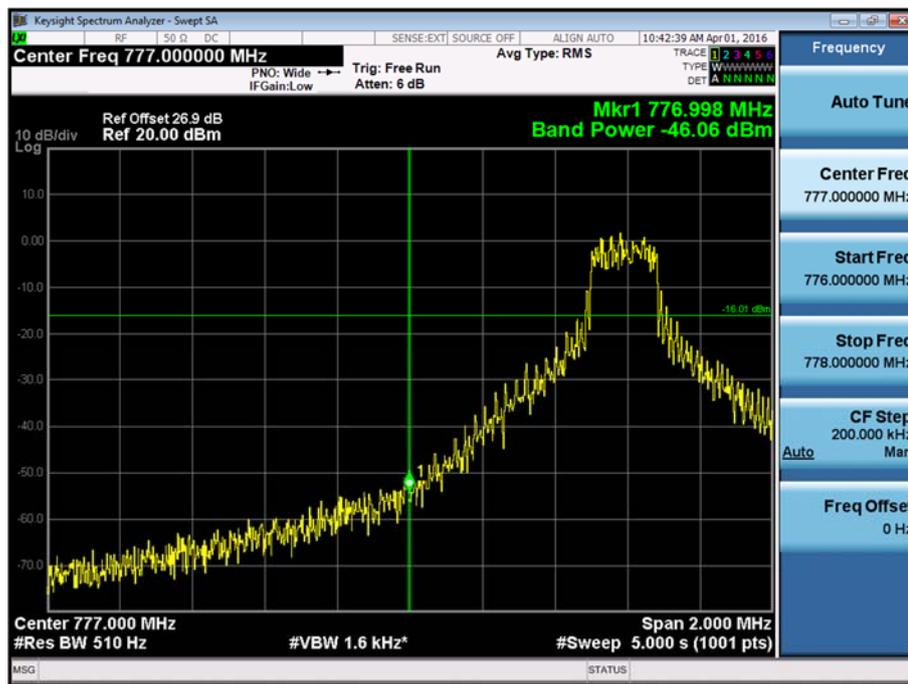


Product Service

10.0 MHz Bandwidth - QPSK

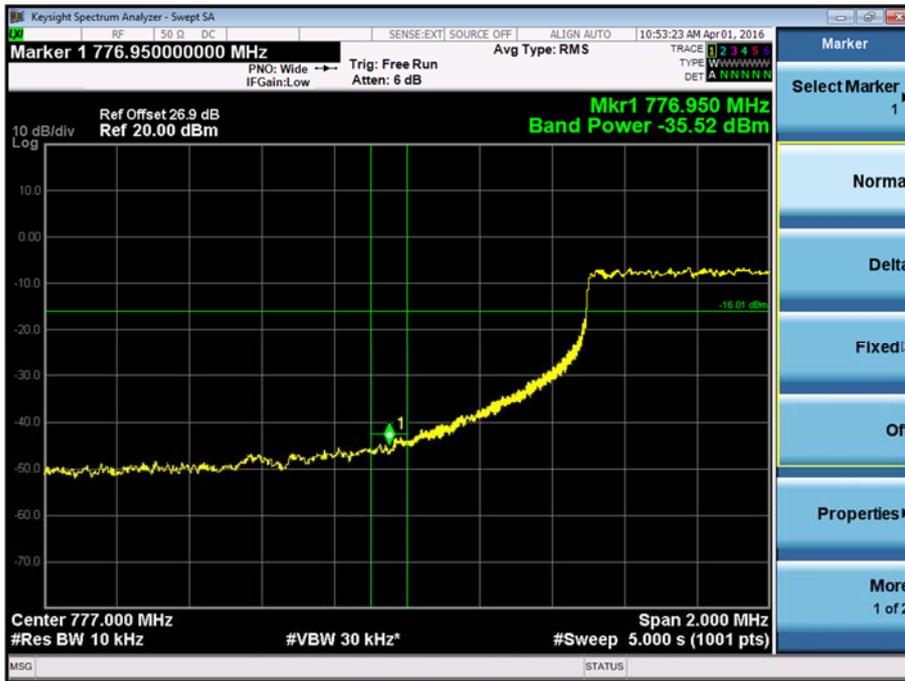
Band Edge (dBm)			
782.0 MHz			
1 Resource Block	All Resource Blocks	1 Resource Block	All Resource Blocks
Low		High	
-46.06	-35.52	-47.48	-34.10

782.0 MHz - 1 Resource Block - Low

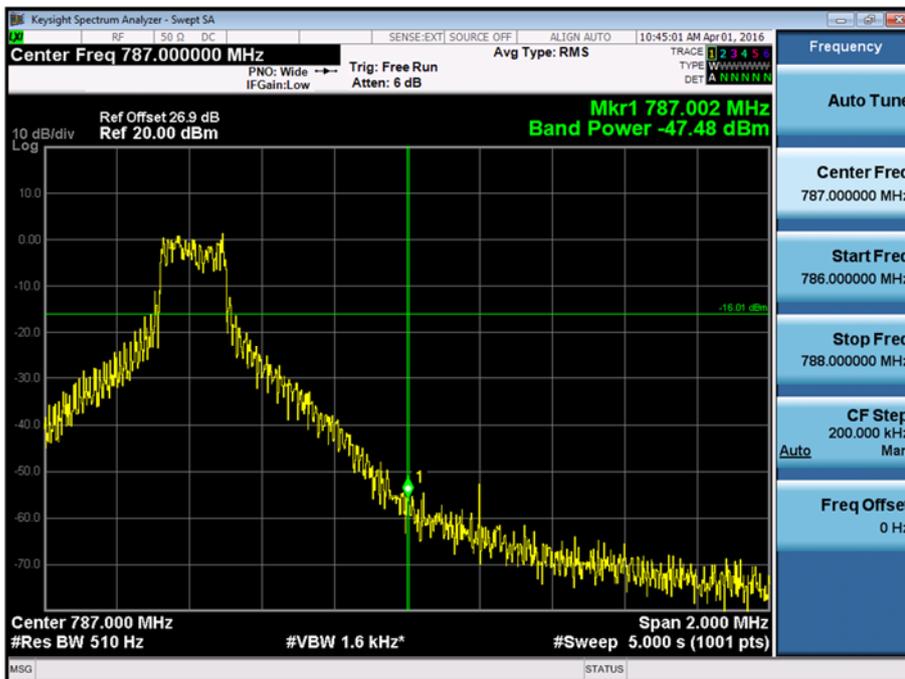




782.0 MHz - All Resource Blocks



782.0 MHz - 1 Resource Block - High





Product Service

782.0 MHz - All Resource Blocks

