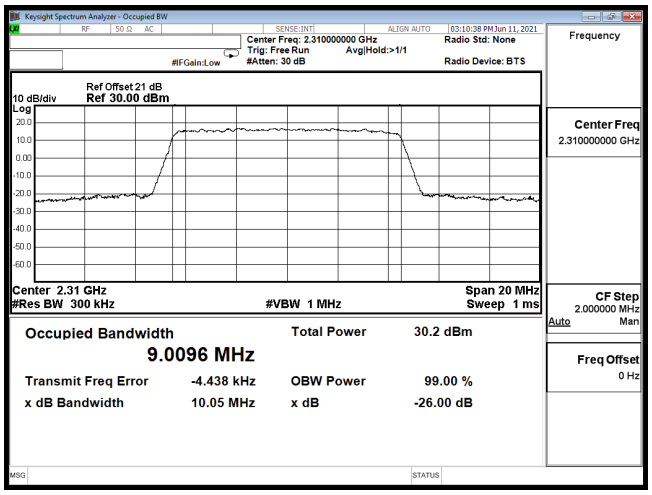
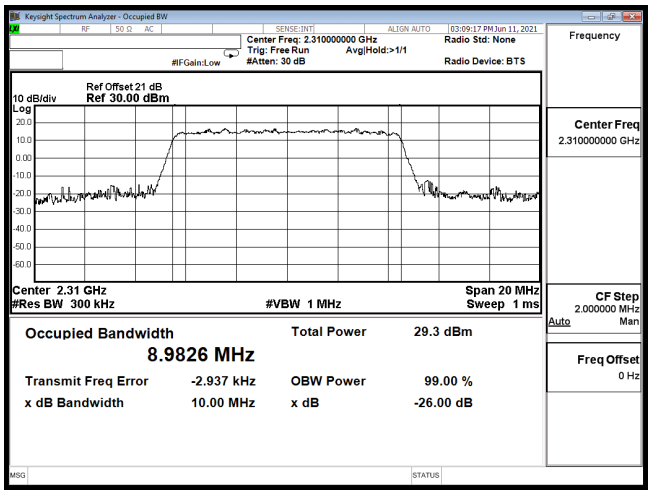


OCC B30 10M CH27710 QPSK



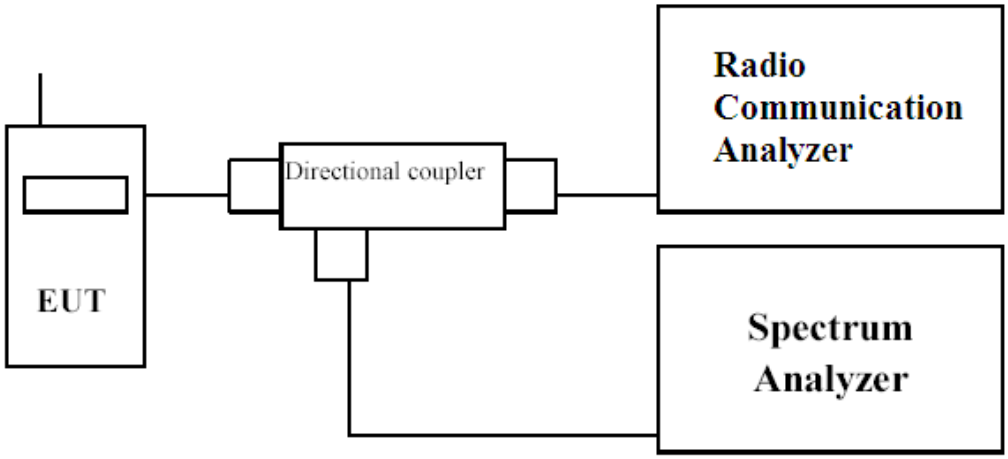
OCC B30 10M CH27710 16QAM

5. Spurious Emission At Antenna Terminals (+/-1MHz)

5.1. Test Specification

According to Part 2.1051, 22.917, 24.238, 27.53

5.2. Setup



5.3. Limits

The spurious (unwanted) emission limits specified in the individual FCC rule parts applicable to licensed digital transmitters (typically referred to under the heading ‘emission limits’) normally apply to any and all emissions that are present outside of the authorized frequency band/block and apply to emissions in both the out-of-band and spurious domains. unwanted emissions are required by the licensed rule parts to be attenuated below the transmitter power by a factor of at least 43 + 10log (P) dB, where P represents the transmitter power expressed in watts

For LTE Band 30 27.53(a.4):

For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz;

(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;

(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

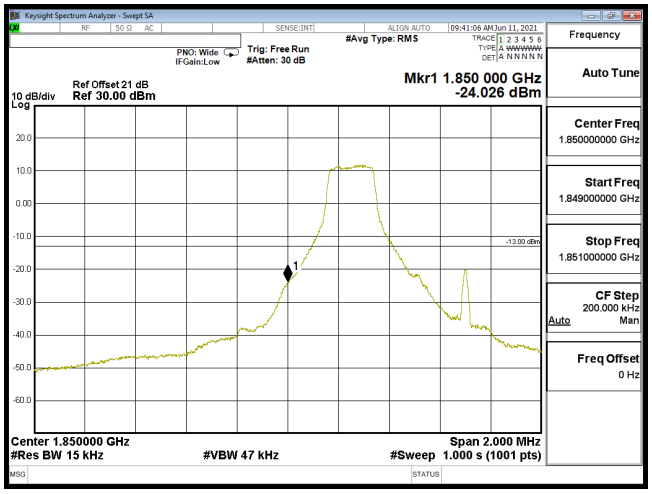
5.4. Test Procedure

In accordance with Part 22.917, 24.238, 27.53 at least 1% of the emission bandwidth was used for the resolution and video bandwidths up to 1MHz away from the Block Edge. At greater than 1MHz, the resolution and video bandwidth were increased to 1MHz/3MHz.

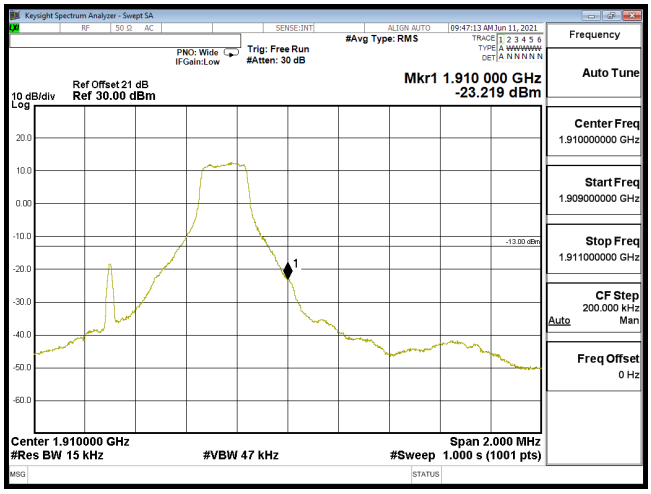
The reference power and path losses of all channels used for testing in each frequency block were measured.

5.5. Test Result of Spurious Emission At Antenna Terminals (+/-1MHz)

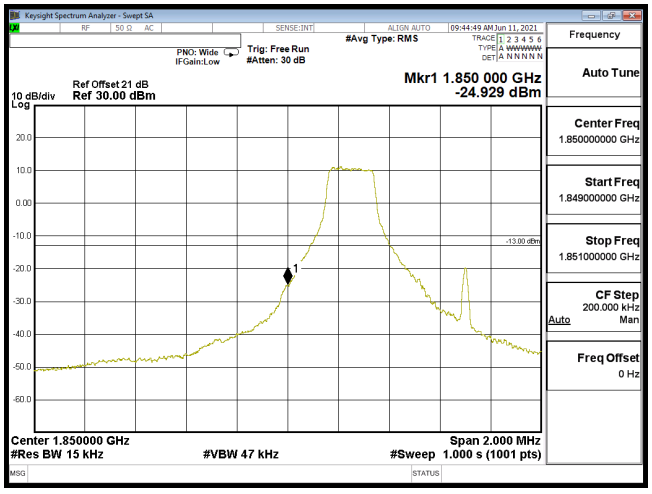
Product	WCDMA/LTE Mobile Phone		
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)		
Date of Test	2021/06/11	Test Site	CTR
Test Condition	Block Edge Test (LTE Band 2)		



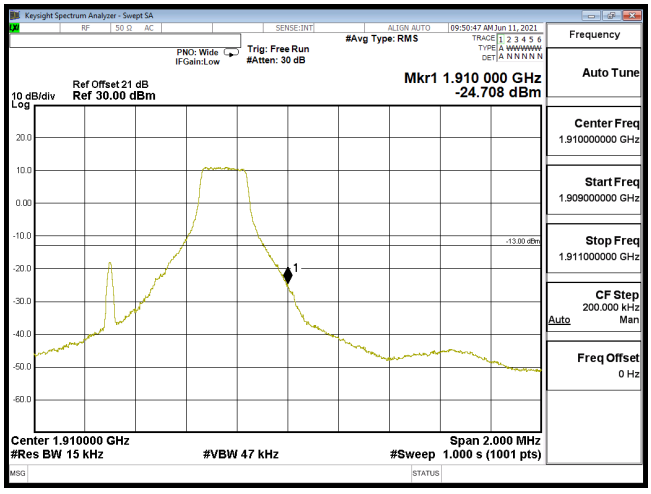
EDGE B2 1.4M CH18607 QPSK(1,0)



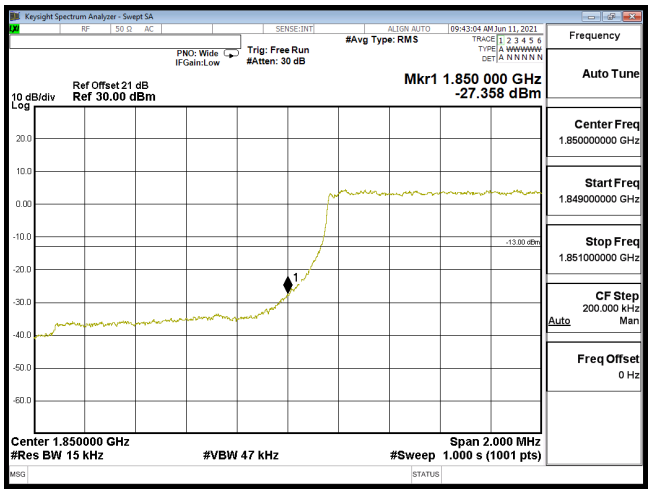
EDGE B2 1.4M CH19193 QPSK(1,5)



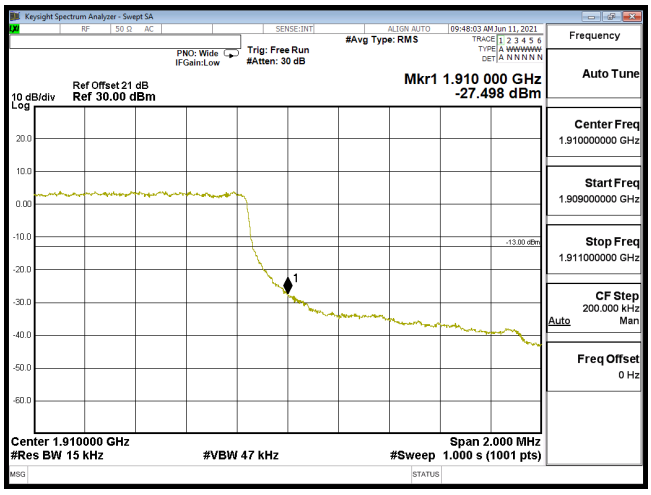
EDGE B2 1.4M CH18607 16QAM(1,0)



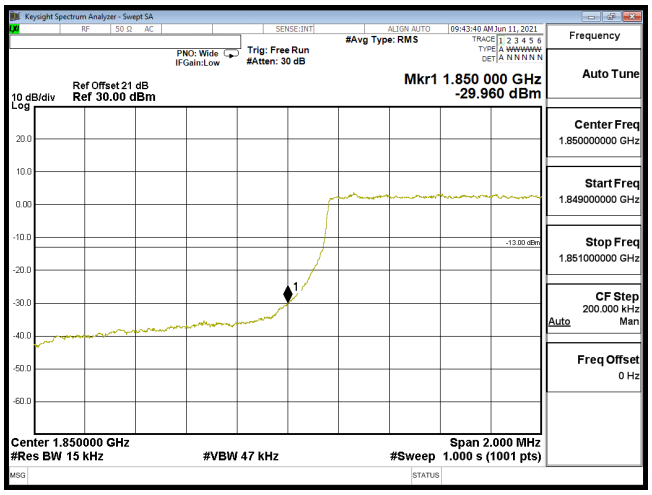
EDGE B2 1.4M CH19193 16QAM(1,5)



EDGE B2 1.4M CH18607 QPSK(6,0)



EDGE B2 1.4M CH19193 QPSK(6,0)



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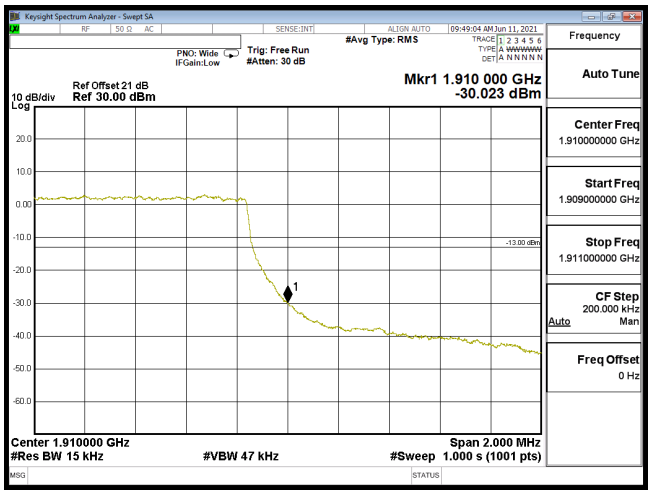
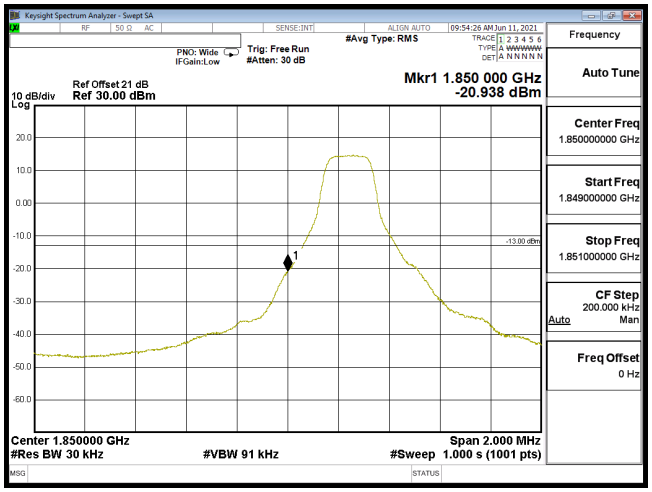
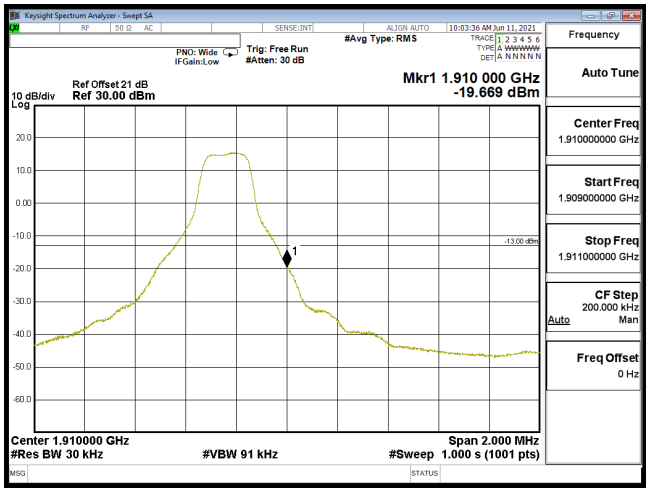


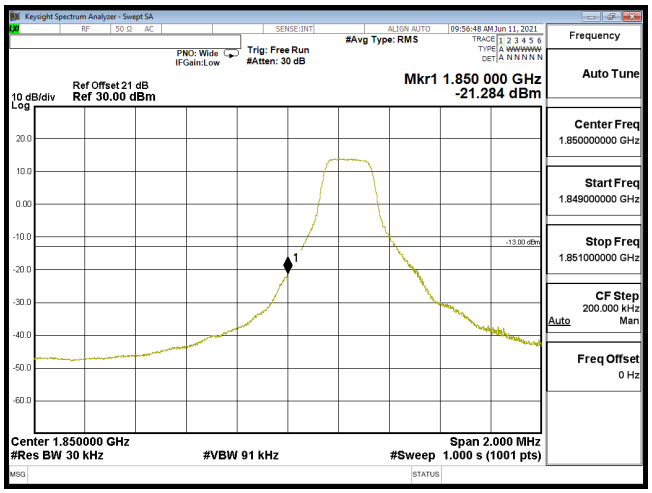
EDGE B2 1.4M CH19193 16QAM(6,0)



EDGE B2 3M CH18615 QPSK(1,0)



EDGE B2 3M CH19185 QPSK(1,14)



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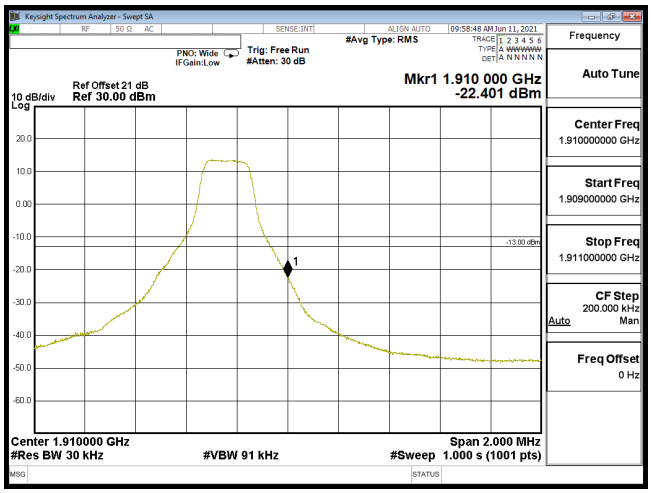
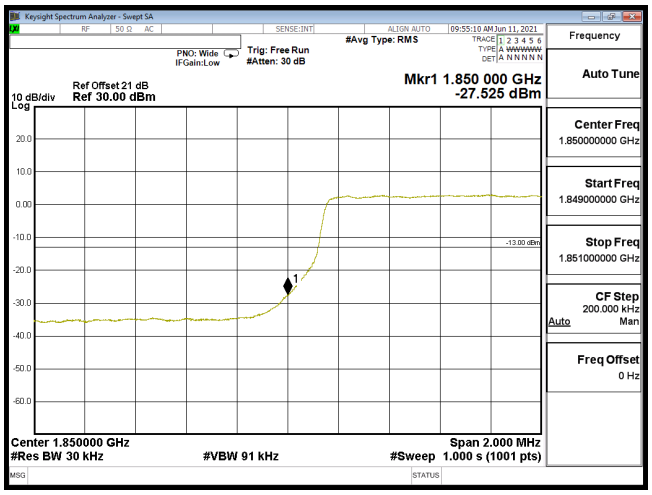


EDGE B2 3M CH19185 16QAM(1,14)



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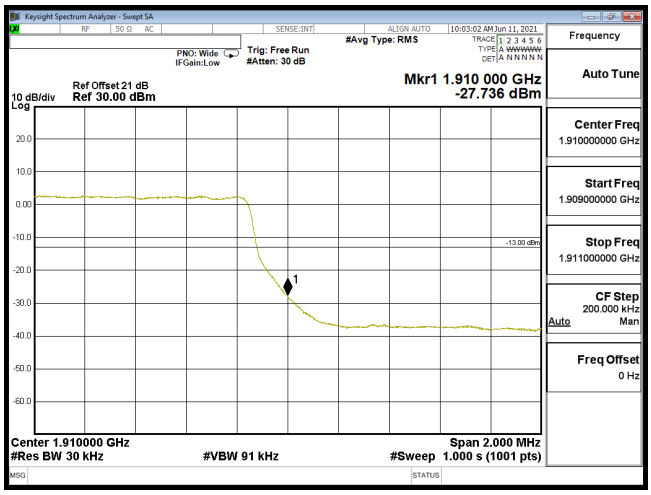
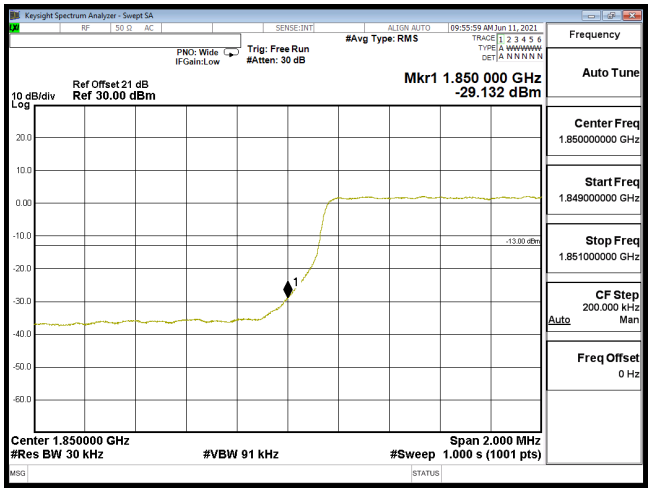


EDGE B2 3M CH19185 QPSK(15,0)



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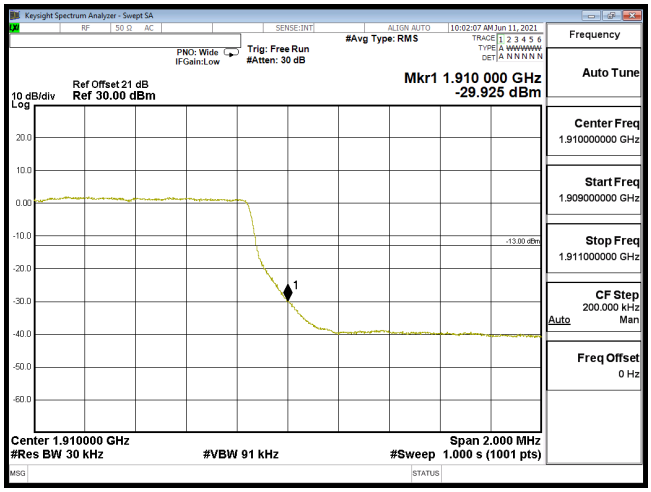

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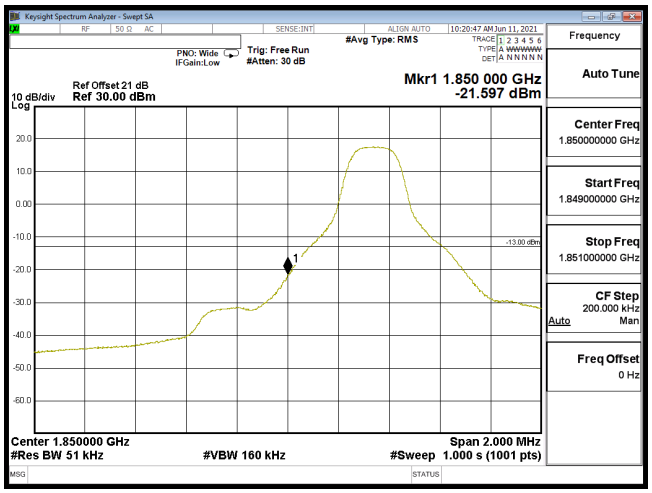
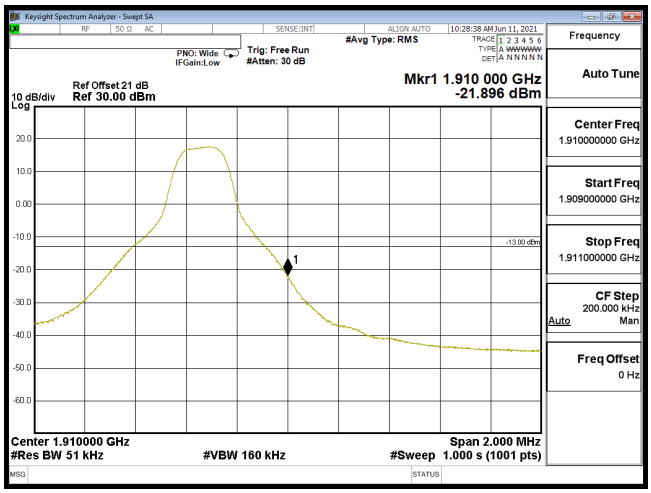
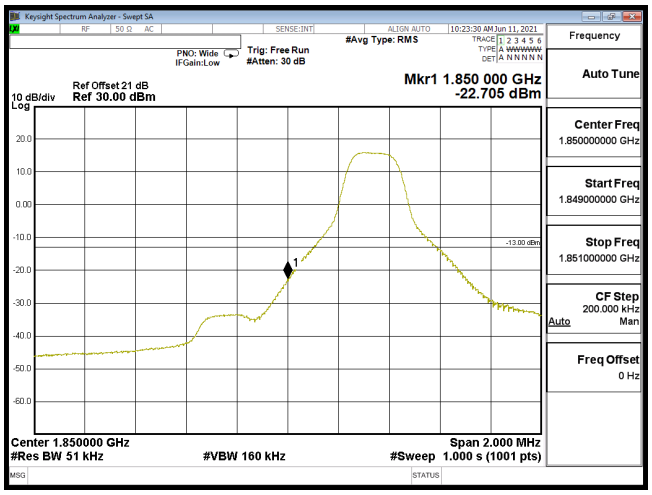


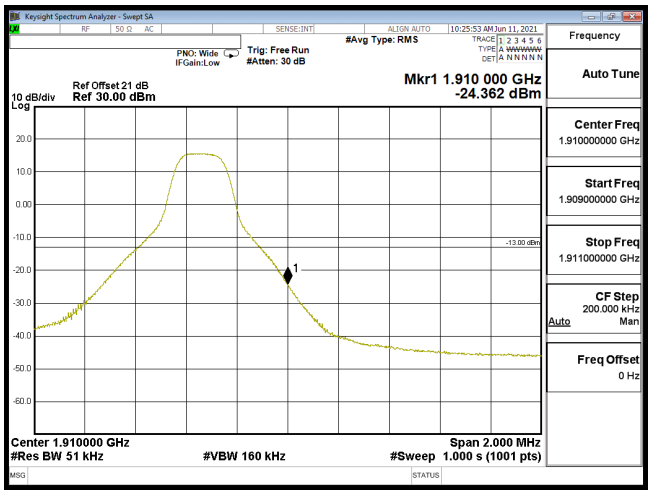
EDGE B2 5M CH18625 QPSK(1,0)



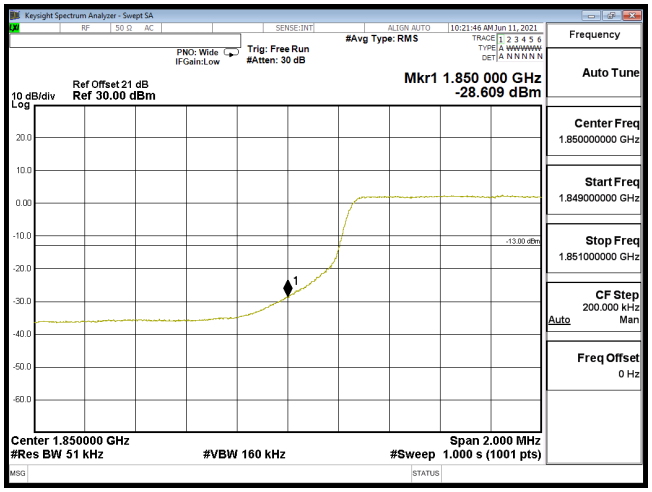
EDGE B2 5M CH19175 QPSK(1,24)



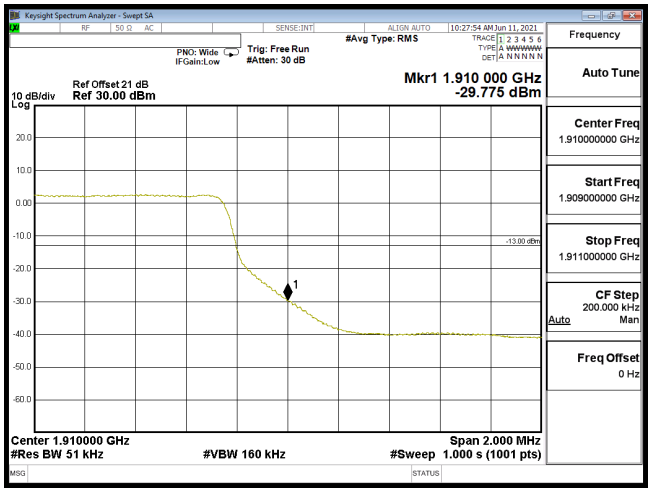
EDGE B2 5M CH18625 16QAM(1,0)



EDGE B2 5M CH19175 16QAM(1,24)



EDGE B2 5M CH18625 QPSK(25,0)



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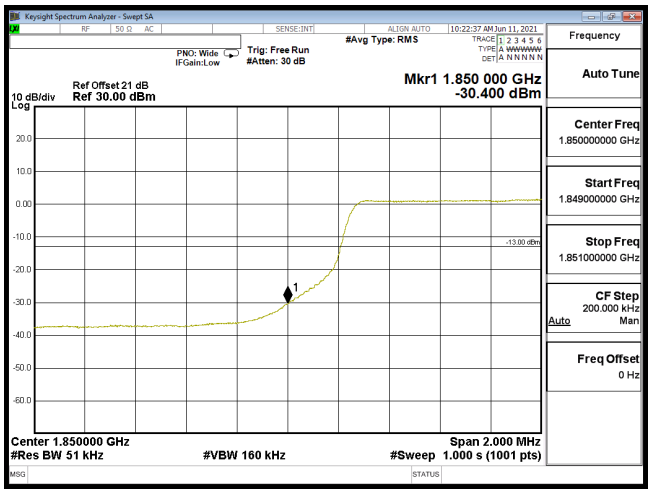

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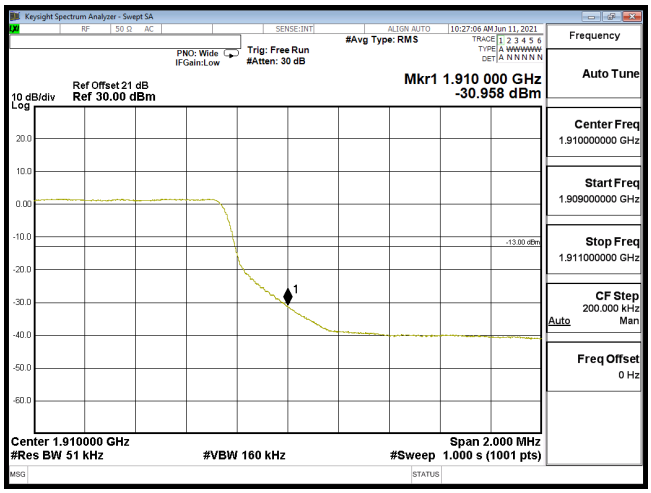

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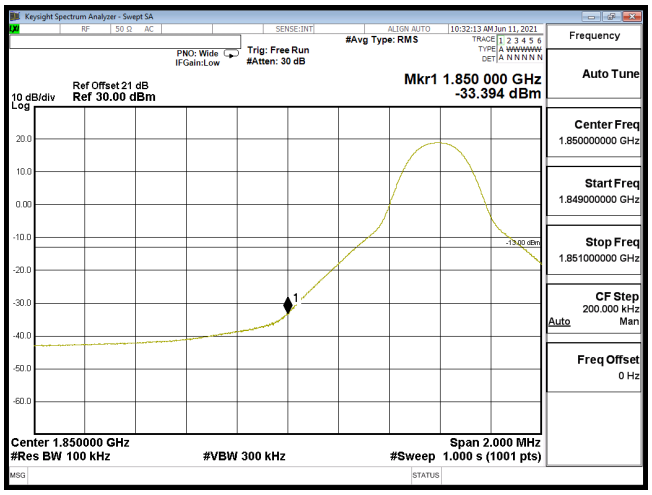
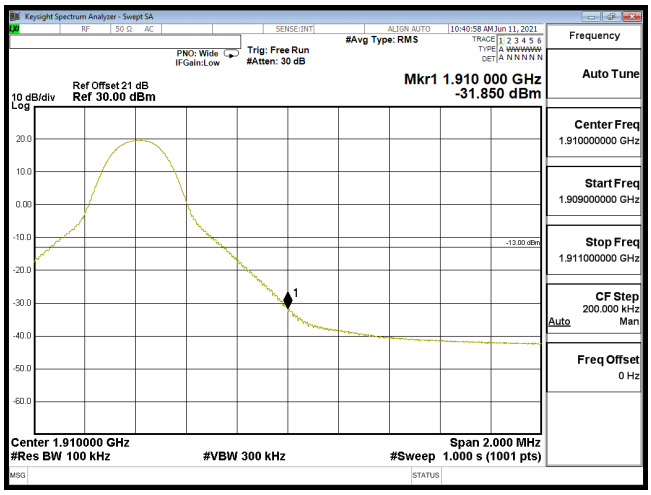
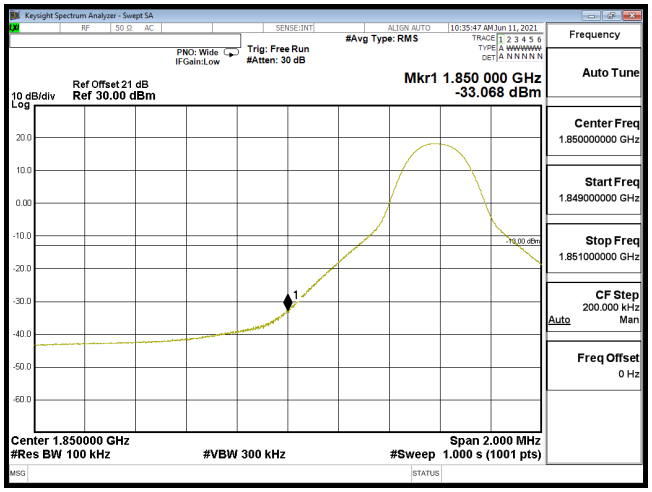


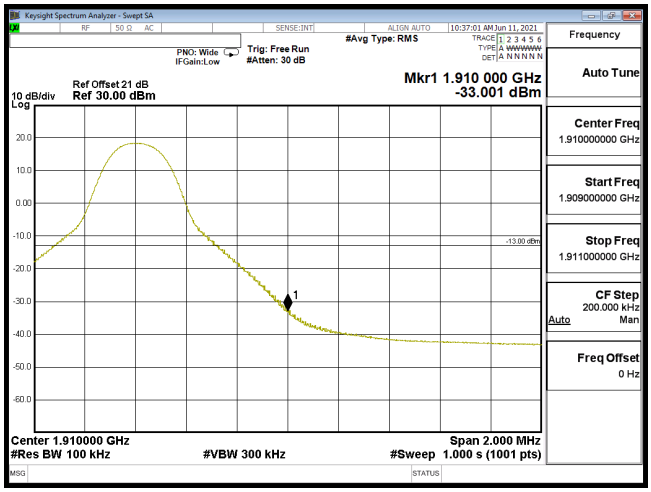
EDGE B2 10M CH18650 QPSK(1,0)



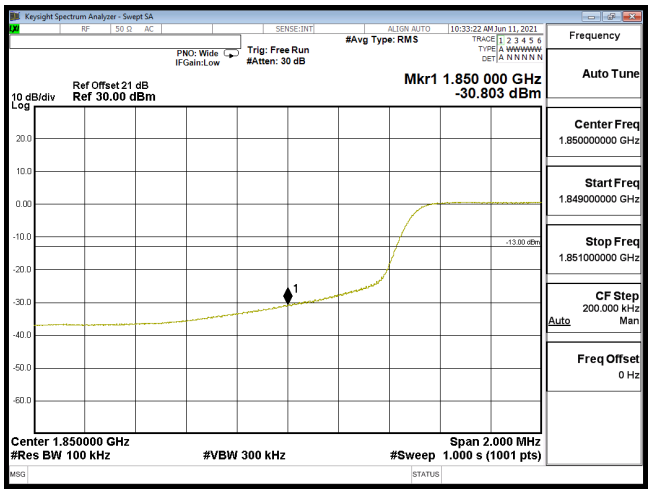
EDGE B2 10M CH19150 QPSK(1,49)



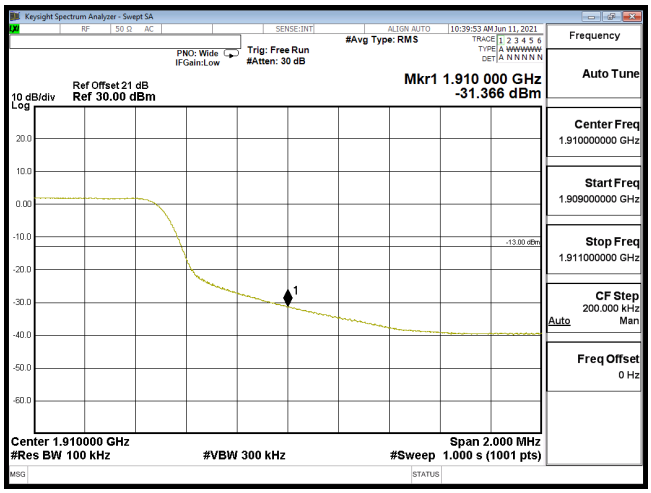
EDGE B2 10M CH18650 16QAM(1,0)



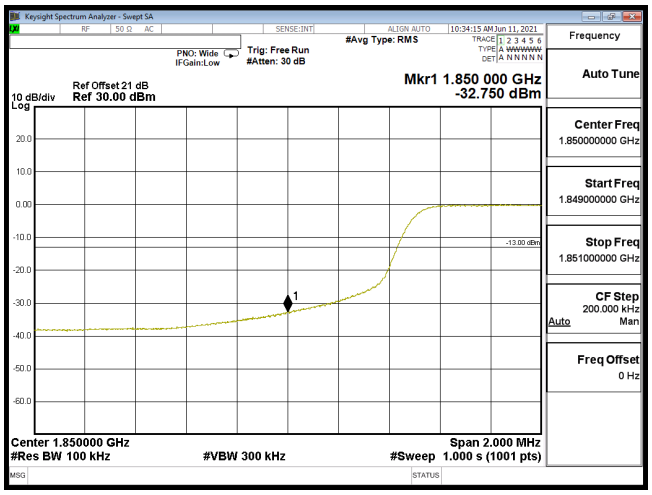
EDGE B2 10M CH19150 16QAM(1,49)



EDGE B2 10M CH18650 QPSK(50,0)



EDGE B2 10M CH19150 QPSK(50,0)



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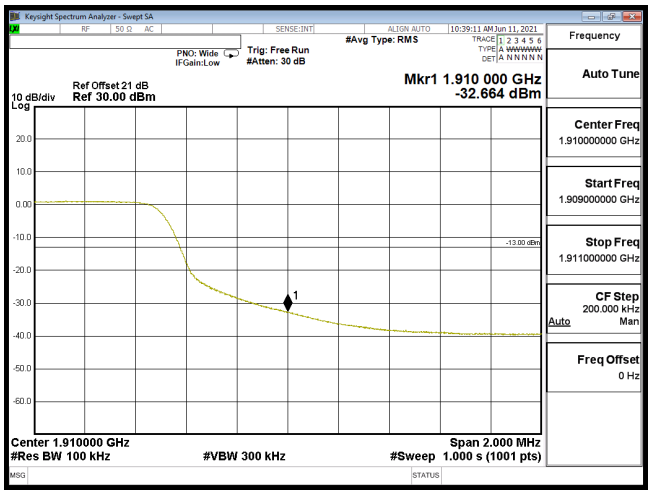
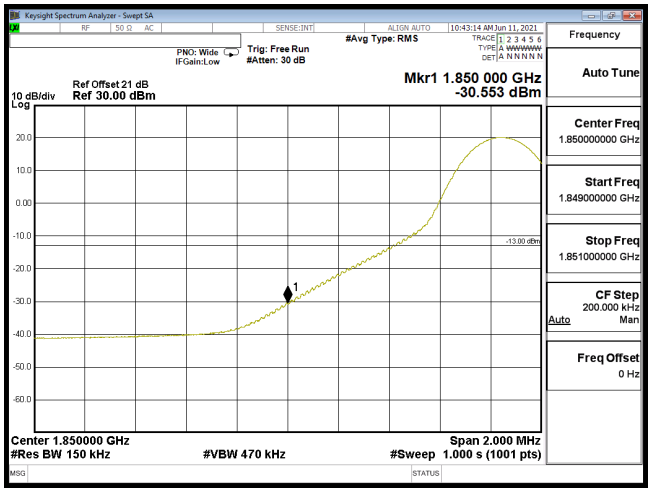
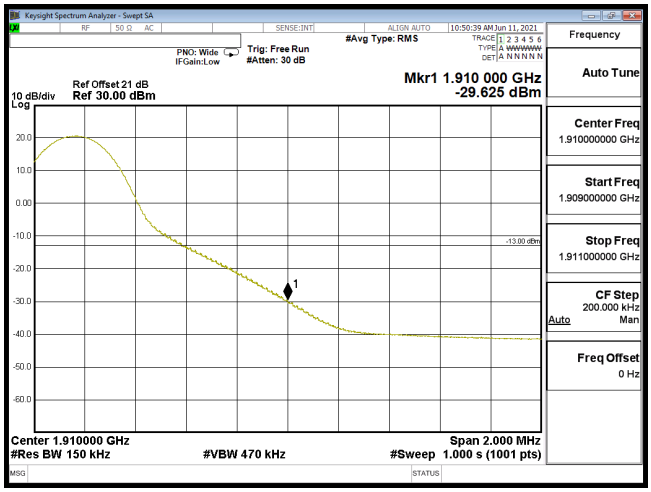


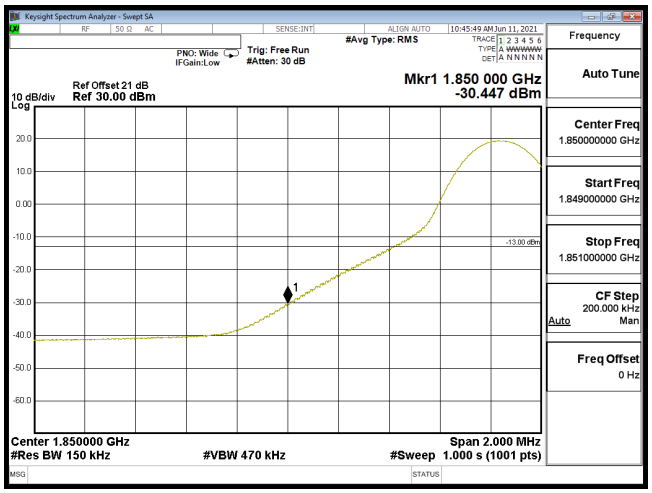
EDGE B2 10M CH19150 16QAM(50,0)



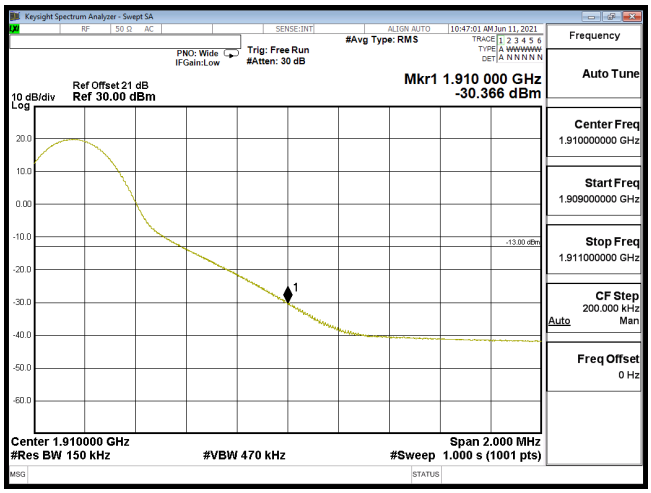
EDGE B2 15M CH18675 QPSK(1,0)



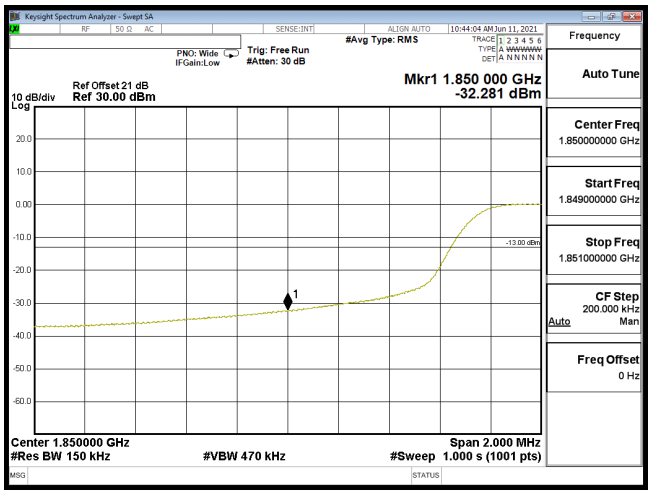
EDGE B2 15M CH19125 QPSK(1,74)



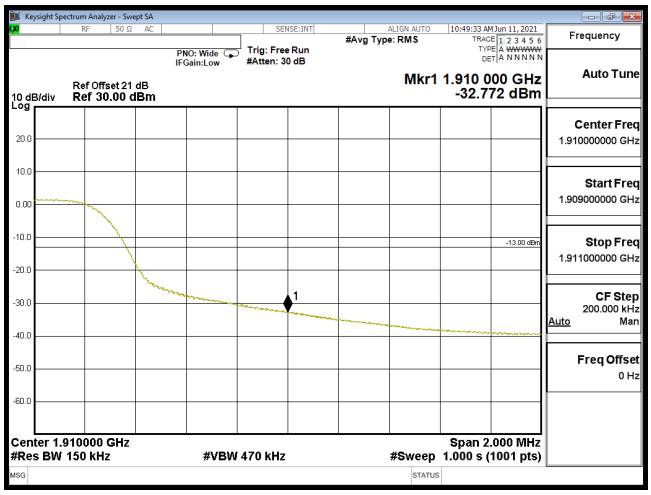
EDGE B2 15M CH18675 16QAM(1,0)



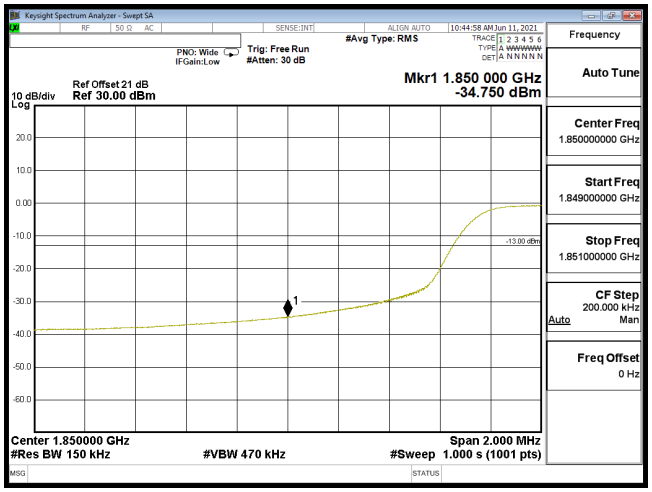
EDGE B2 15M CH19125 16QAM(1,74)



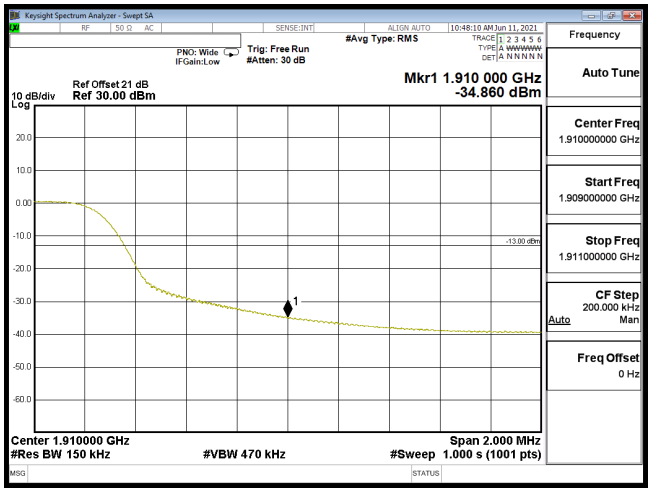
EDGE B2 15M CH18675 QPSK(75,0)



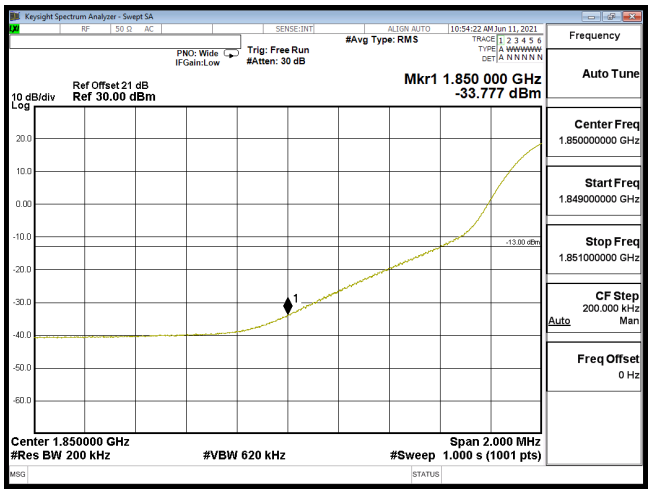
EDGE B2 15M CH19125 QPSK(75,0)



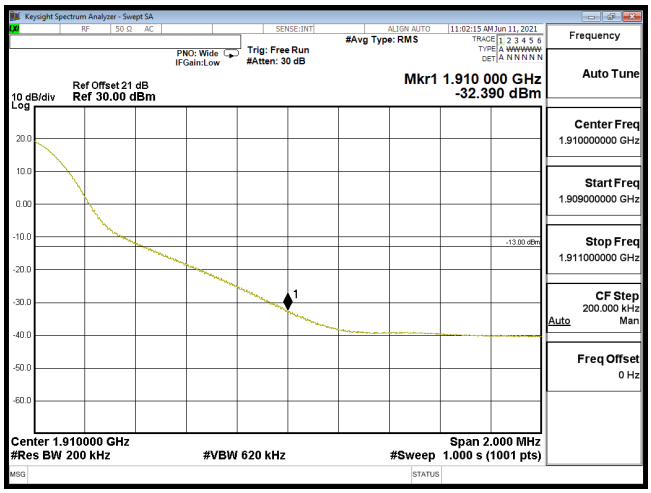
EDGE B2 15M CH18675 16QAM(75,0)



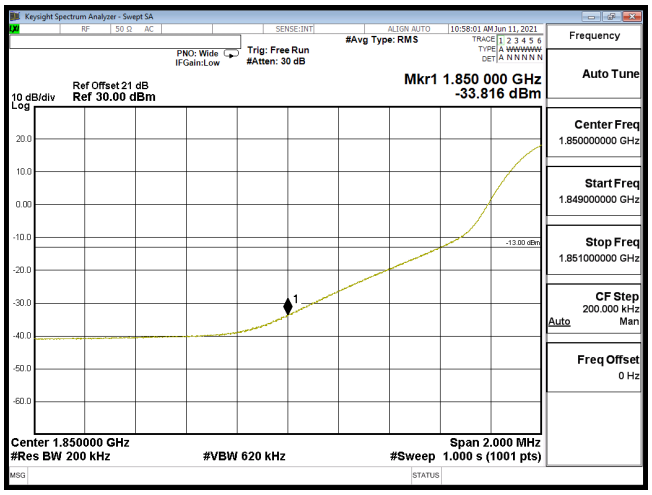
EDGE B2 15M CH19125 16QAM(75,0)



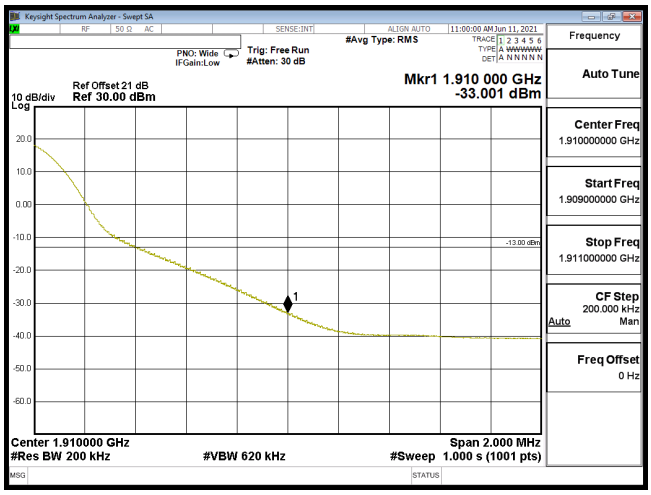
EDGE B2 20M CH18700 QPSK(1,0)



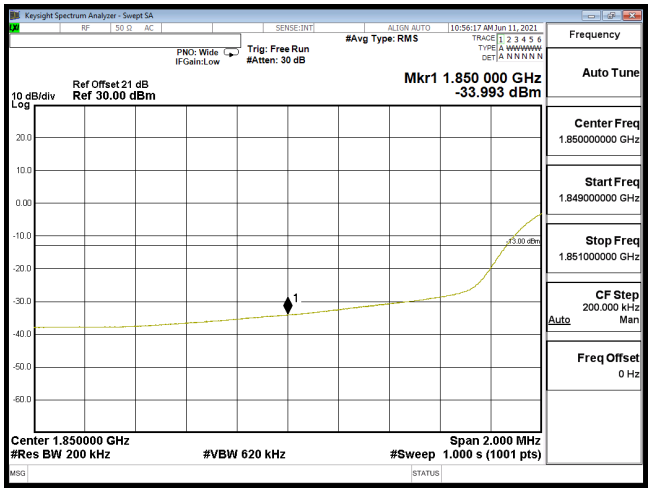
EDGE B2 20M CH19100 QPSK(1,99)



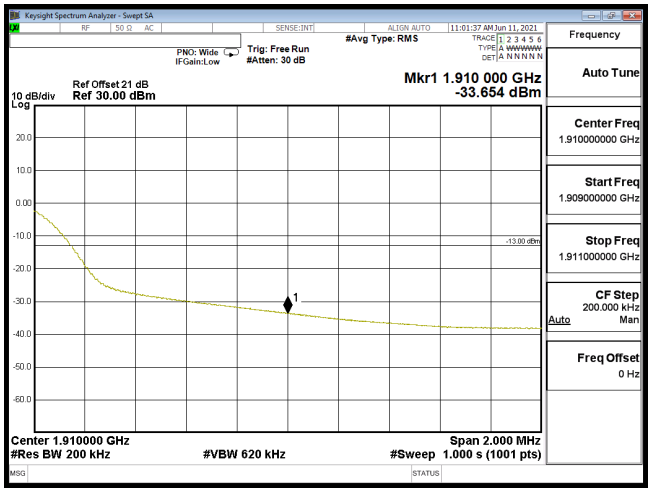
EDGE B2 20M CH18700 16QAM(1,0)



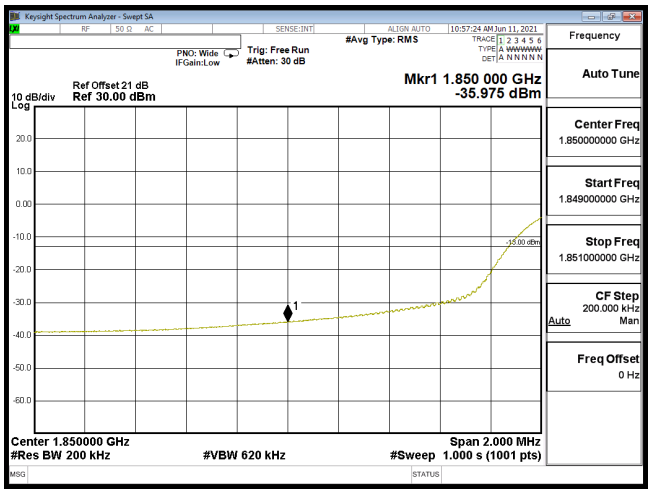
EDGE B2 20M CH19100 16QAM(1,99)



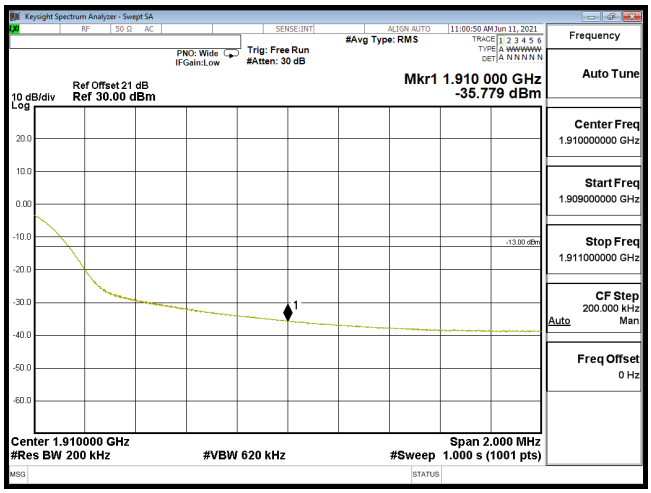
EDGE B2 20M CH18700 QPSK(100,0)



EDGE B2 20M CH19100 QPSK(100,0)

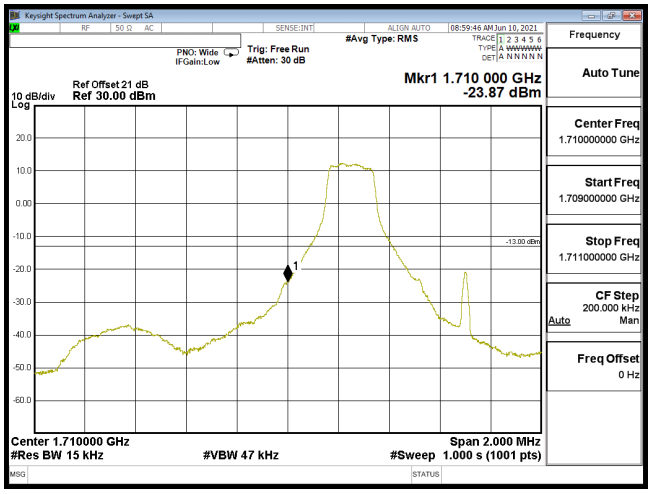


EDGE B2 20M CH18700 16QAM(100,0)

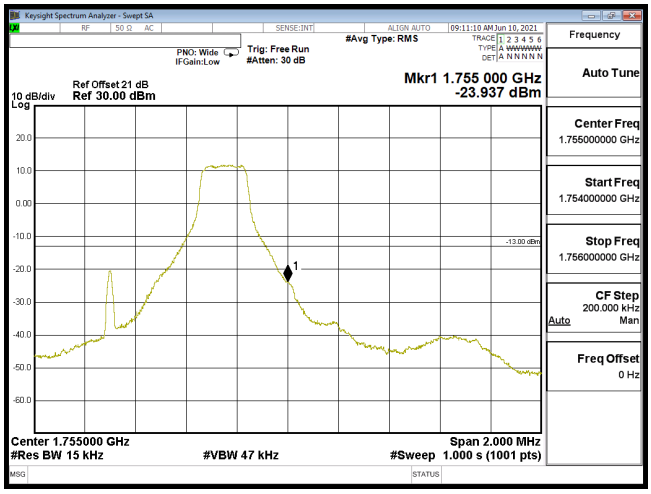


EDGE B2 20M CH19100 16QAM(100,0)

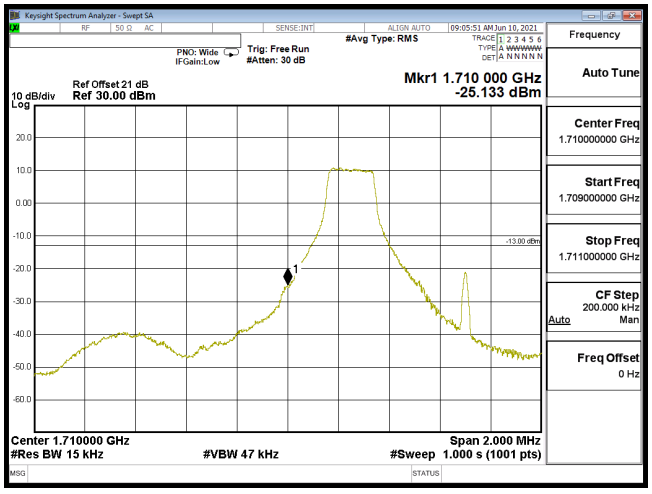
Product	WCDMA/LTE Mobile Phone		
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)		
Date of Test	2021/06/10	Test Site	CTR
Test Condition	Block Edge Test (LTE Band 4)		



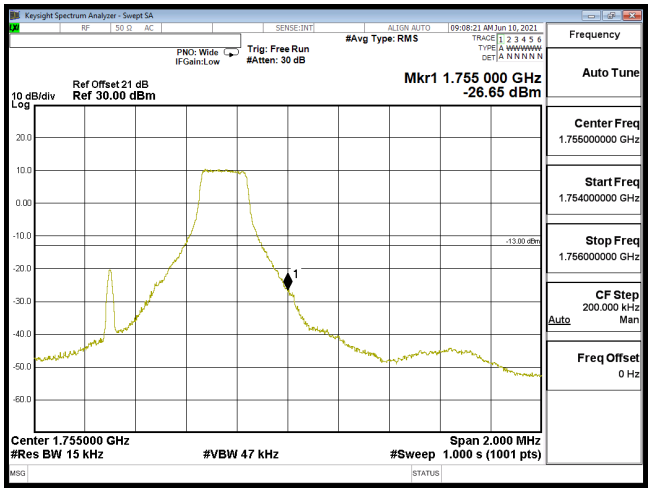
EDGE B4 1.4M CH19957 QPSK(1,0)



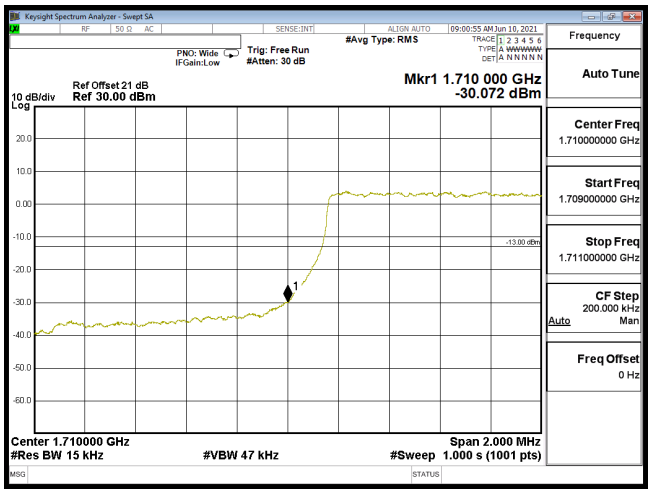
EDGE B4 1.4M CH20393 QPSK(1,5)



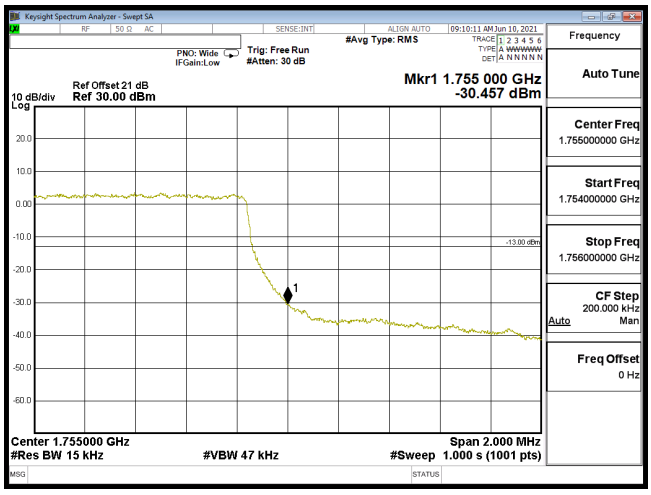
EDGE B4 1.4M CH19957 16QAM(1,0)



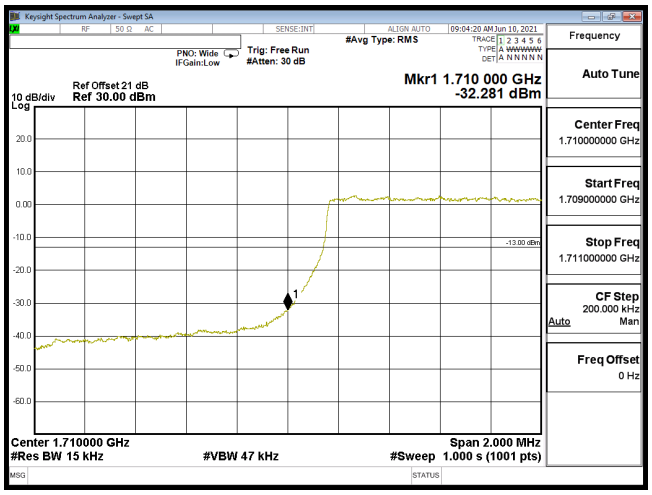
EDGE B4 1.4M CH20393 16QAM(1,5)



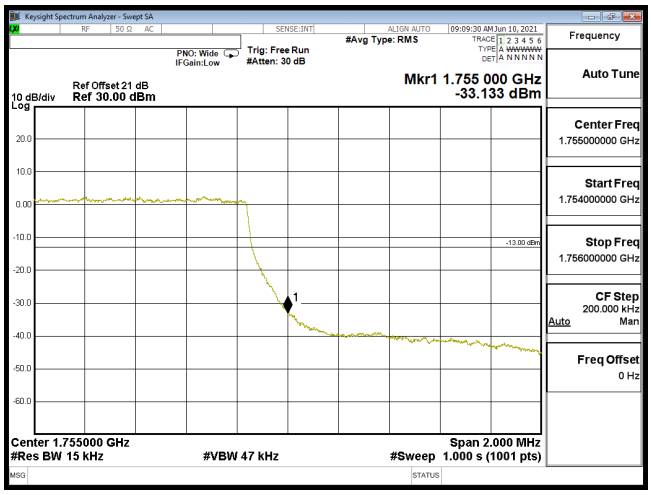
EDGE B4 1.4M CH19957 QPSK(6,0)



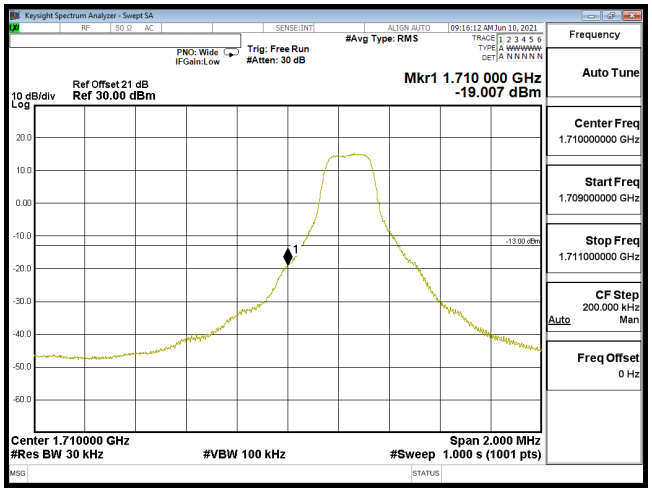
EDGE B4 1.4M CH20393 QPSK(6,0)



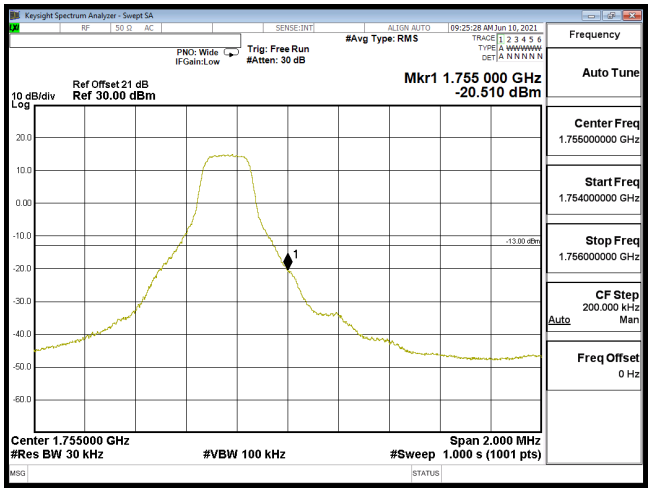
EDGE B4 1.4M CH19957 16QAM(6,0)



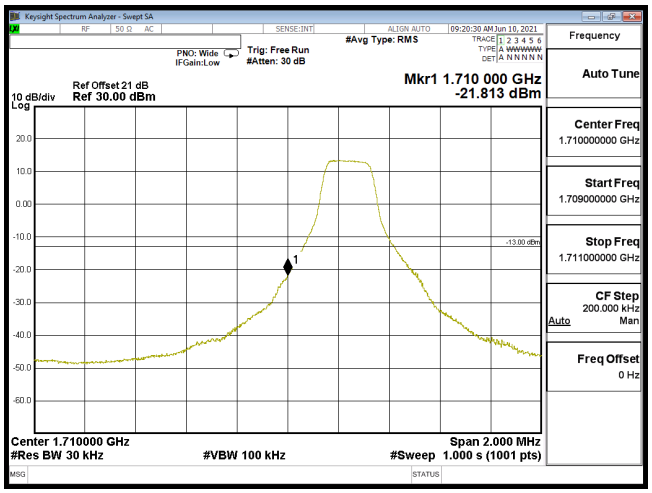
EDGE B4 1.4M CH20393 16QAM(6,0)



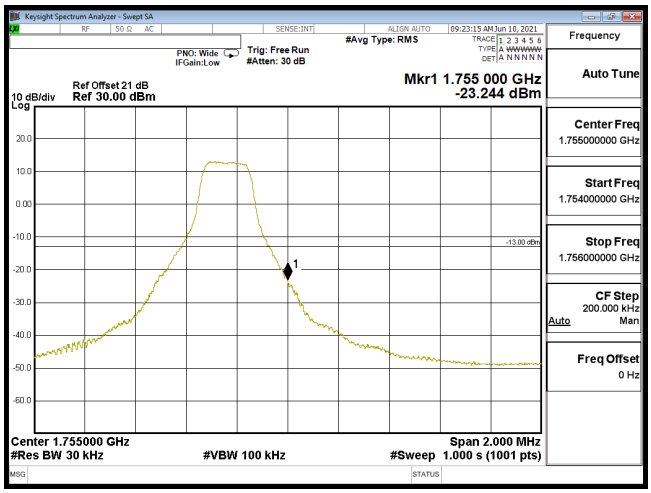
EDGE B4 3M CH19965 QPSK(1,0)



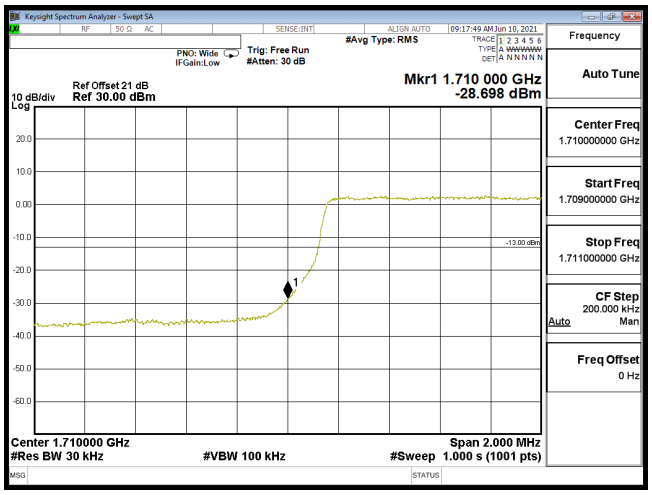
EDGE B4 3M CH20385 QPSK(1,14)



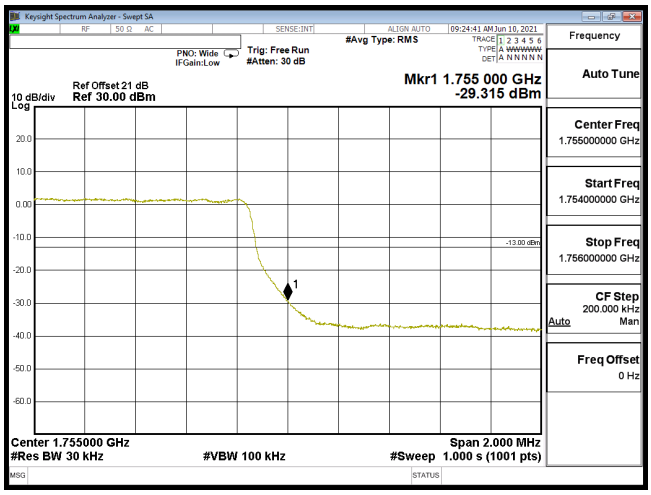
EDGE B4 3M CH19965 16QAM(1,0)



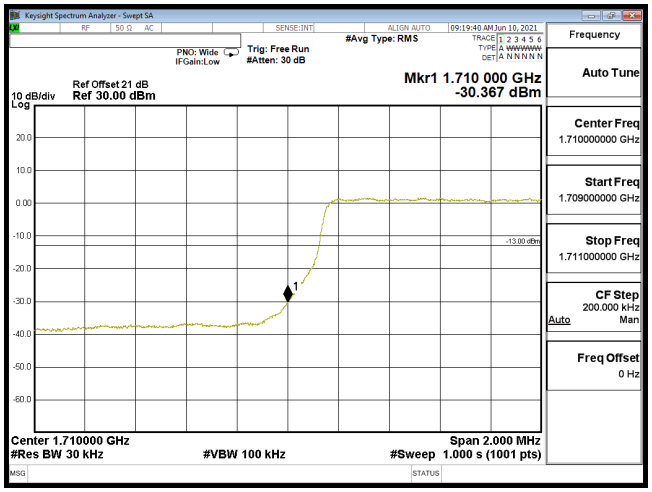
EDGE B4 3M CH20385 16QAM(1,14)



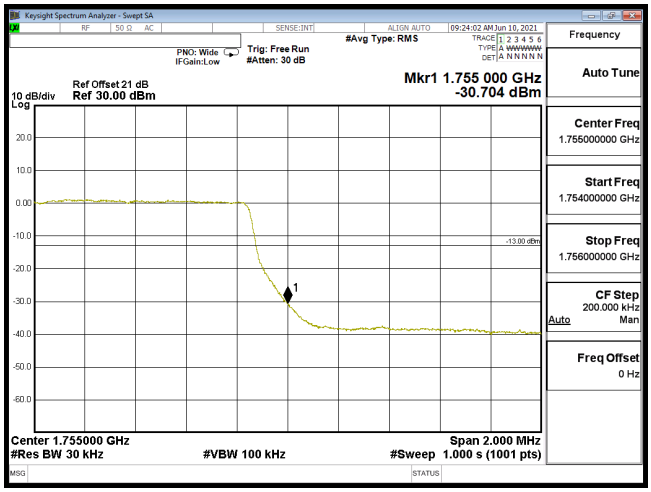
EDGE B4 3M CH19965 QPSK(15,0)



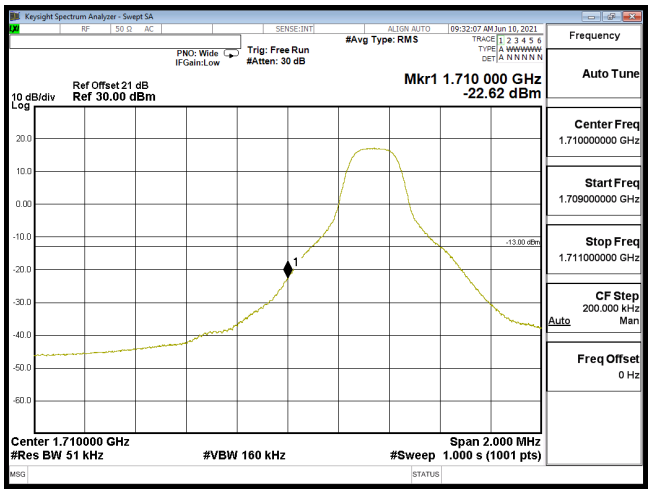
EDGE B4 3M CH20385 QPSK(15,0)



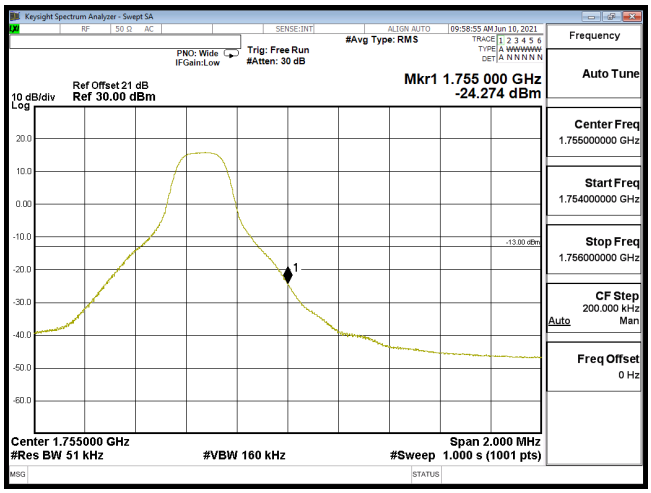
EDGE B4 3M CH19965 16QAM(15,0)



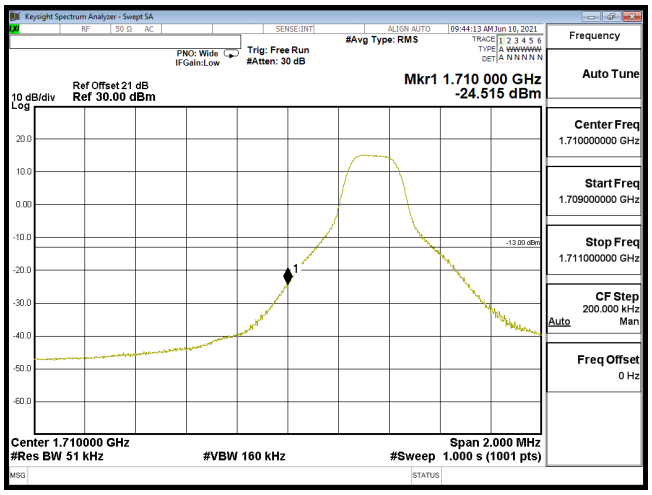
EDGE B4 3M CH20385 16QAM(15,0)



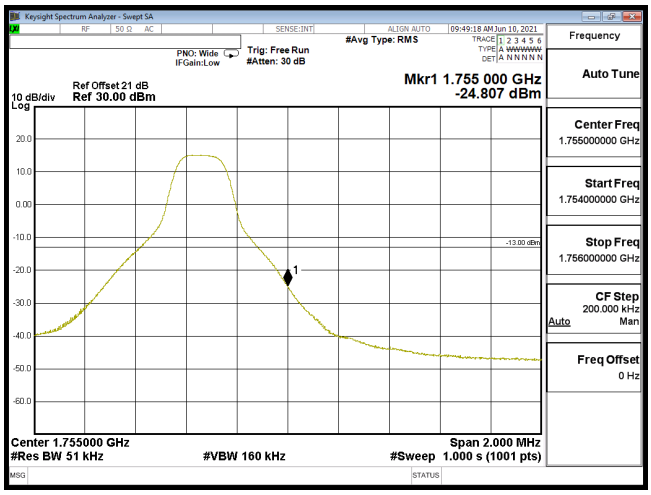
EDGE B4 5M CH19975 QPSK(1,0)



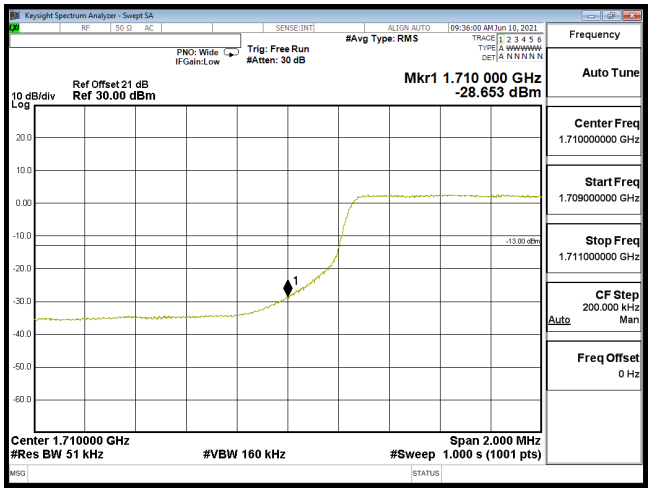
EDGE B4 5M CH20375 QPSK(1,24)



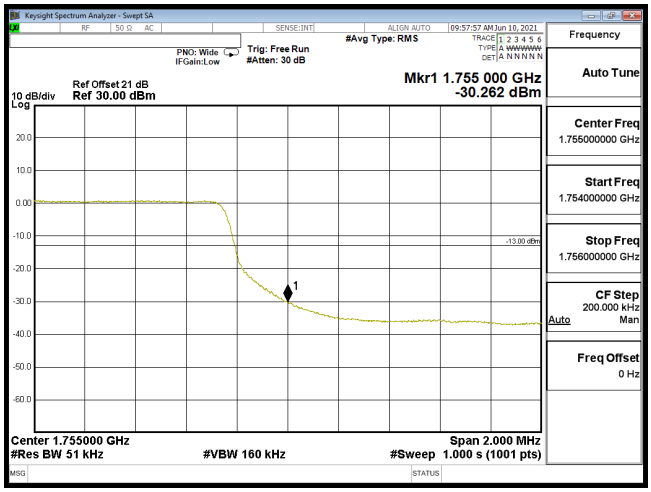
EDGE B4 5M CH19975 16QAM(1,0)



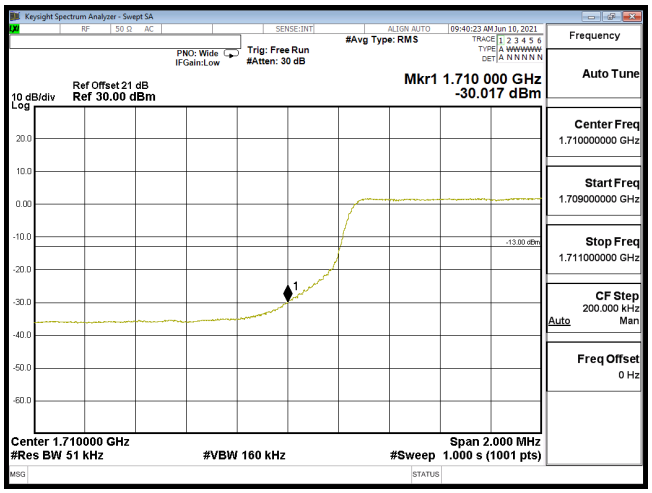
EDGE B4 5M CH20375 16QAM(1,24)



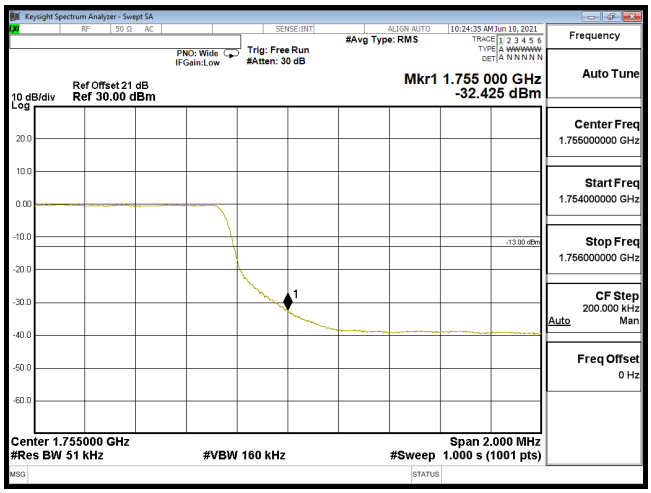
EDGE B4 5M CH19975 QPSK(25,0)



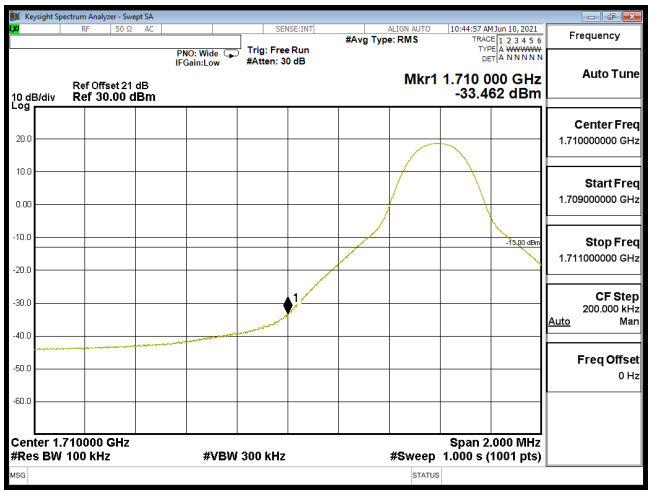
EDGE B4 5M CH20375 QPSK(25,0)



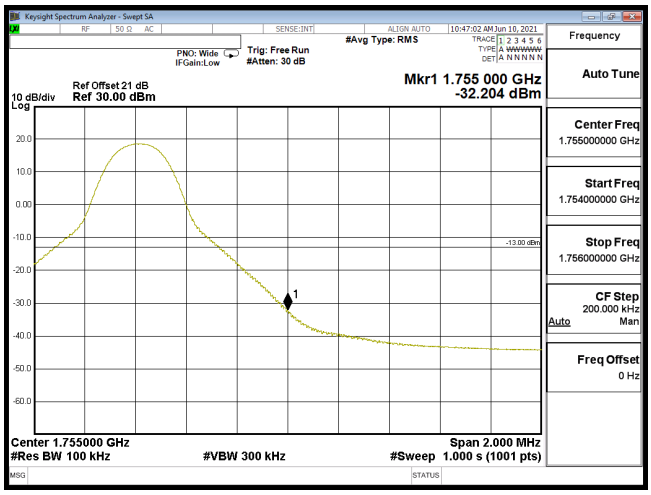
EDGE B4 5M CH19975 16QAM(25,0)



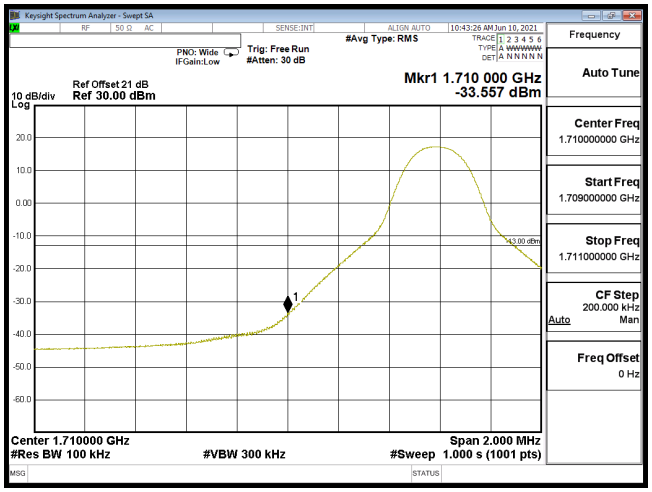
EDGE B4 5M CH20375 16QAM(25,0)



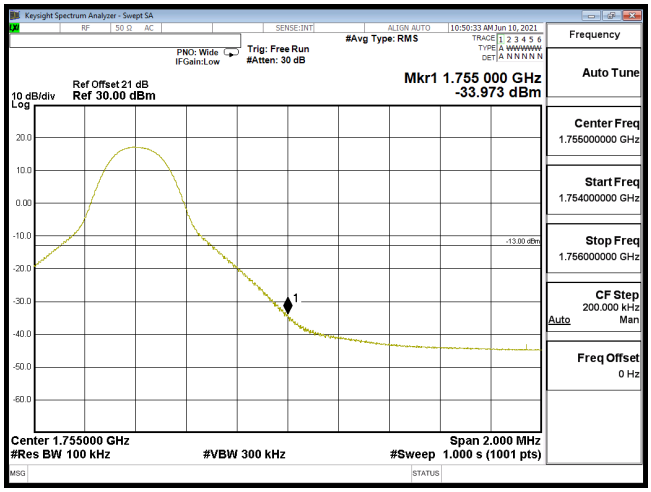
EDGE B4 10M CH20000 QPSK(1,0)



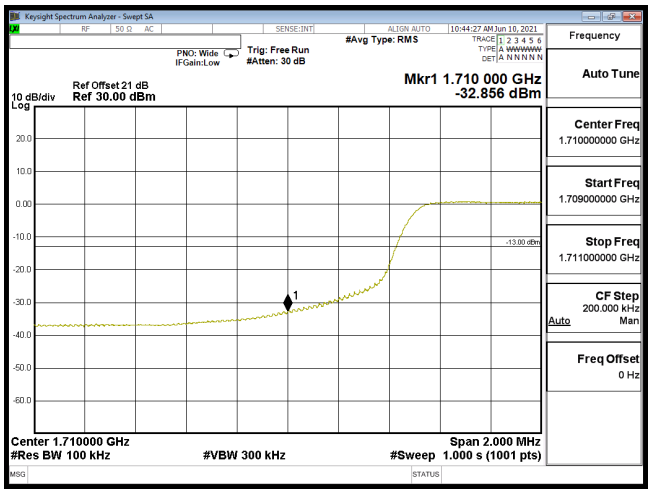
EDGE B4 10M CH20350 QPSK(1,49)



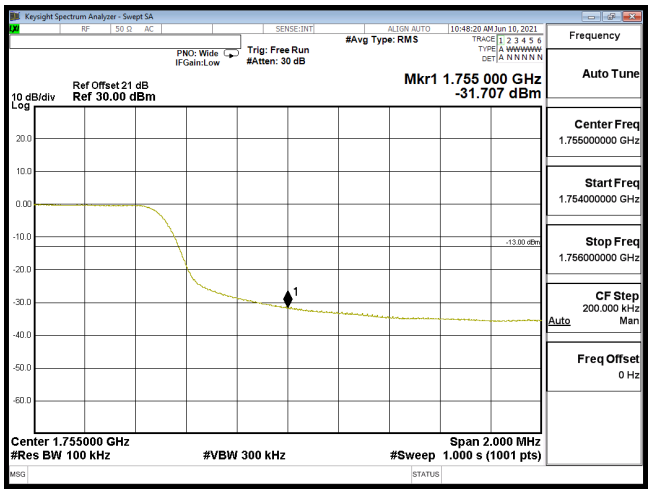
EDGE B4 10M CH20000 16QAM(1,0)



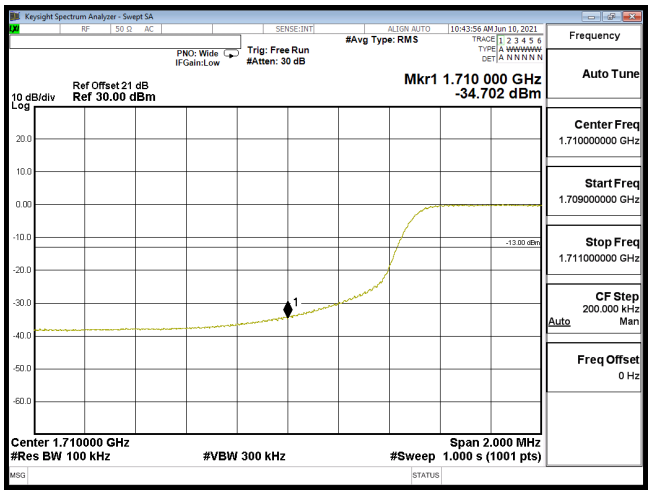
EDGE B4 10M CH20350 16QAM(1,49)



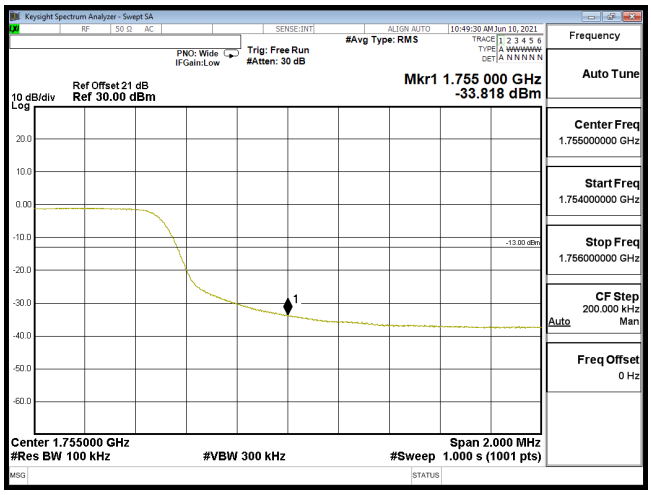
EDGE B4 10M CH20000 QPSK(50,0)



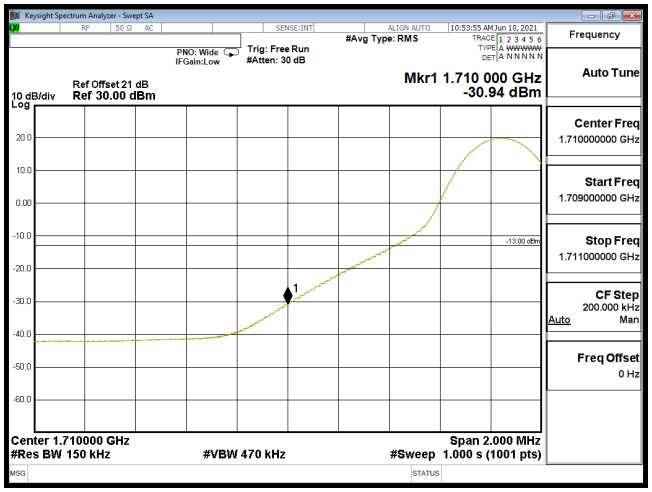
EDGE B4 10M CH20350 QPSK(50,0)



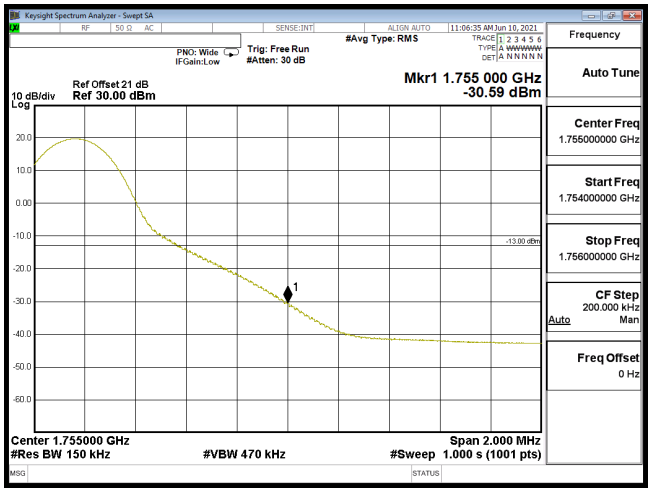
EDGE B4 10M CH20000 16QAM(50,0)



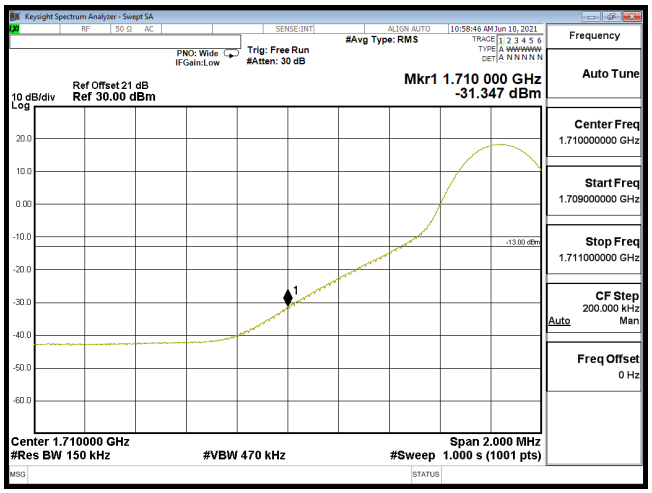
EDGE B4 10M CH20350 16QAM(50,0)



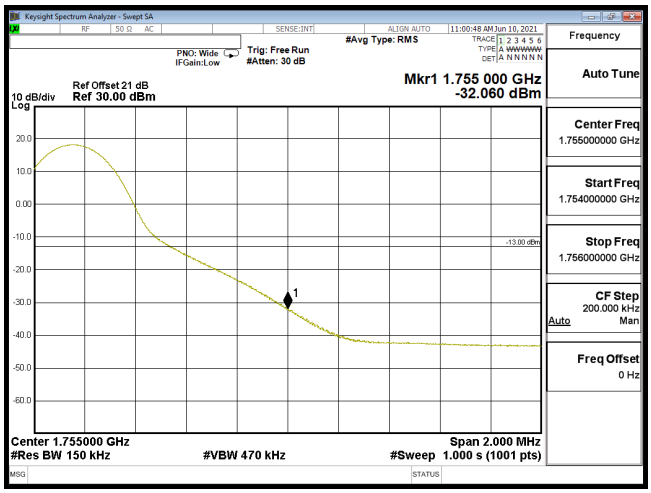
EDGE B4 15M CH20025 QPSK(1,0)



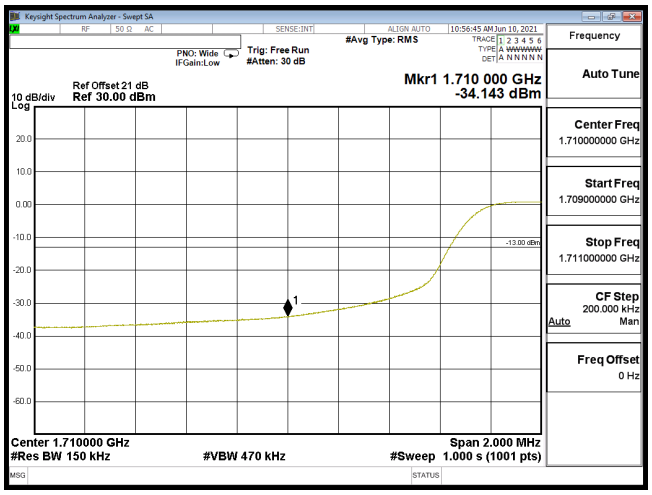
EDGE B4 10M CH20350 QPSK(1,74)



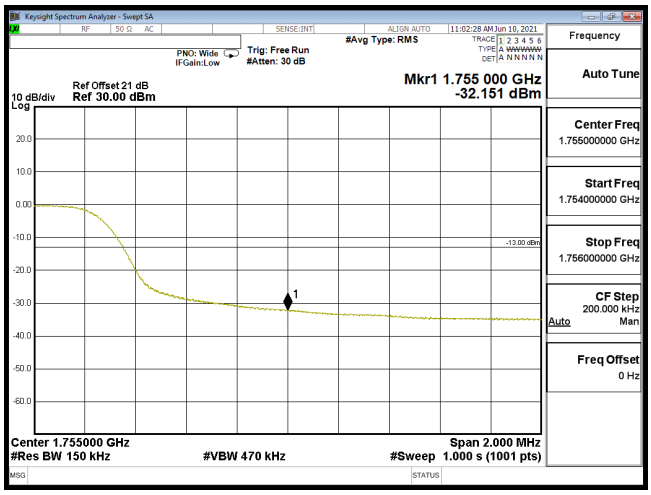
EDGE B4 15M CH20025 16QAM(1,0)



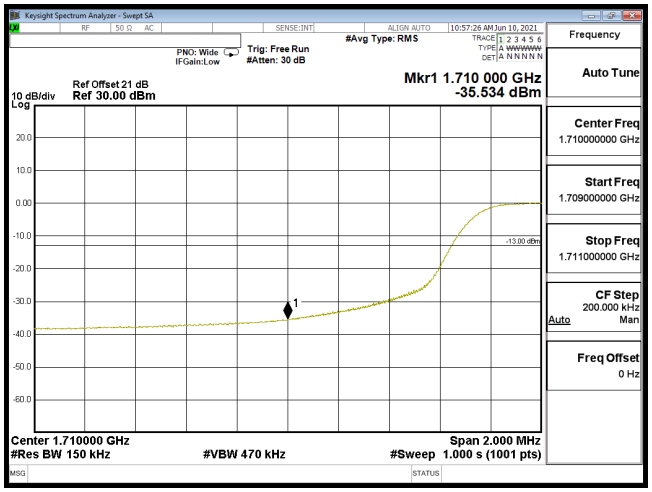
EDGE B4 15M CH20325 16QAM(1,74)



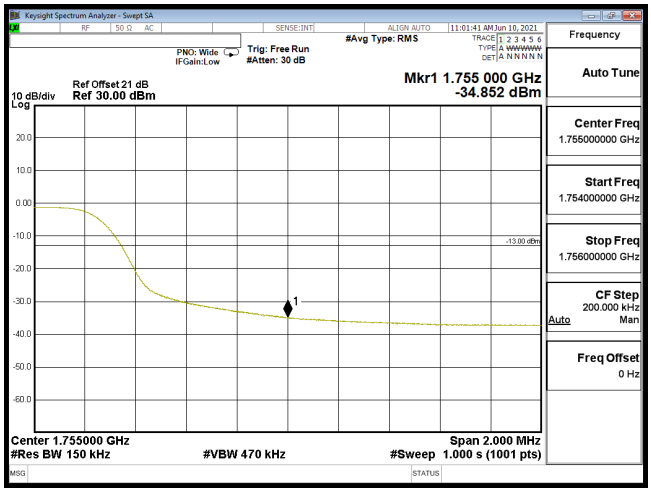
EDGE B4 15M CH20025 QPSK(75,0)



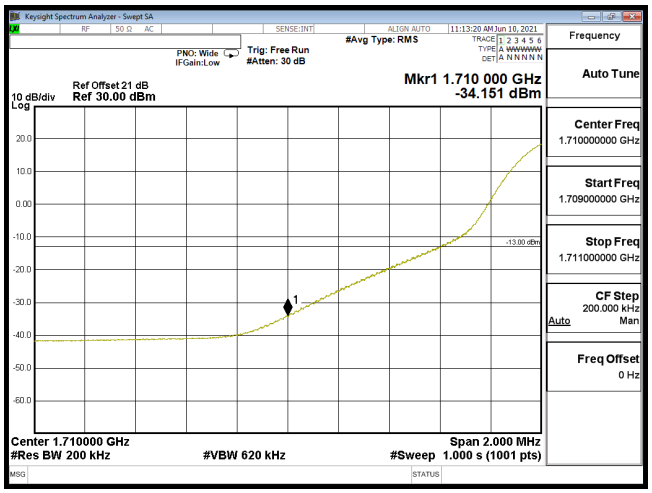
EDGE B4 15M CH20325 QPSK(75,0)



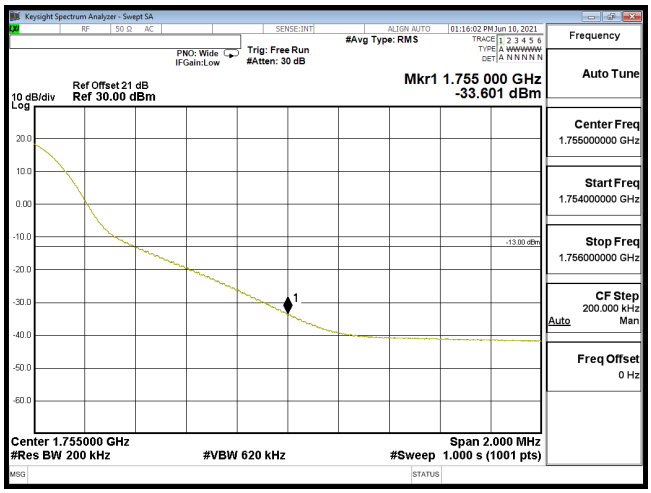
EDGE B4 15M CH20025 16QAM(75,0)



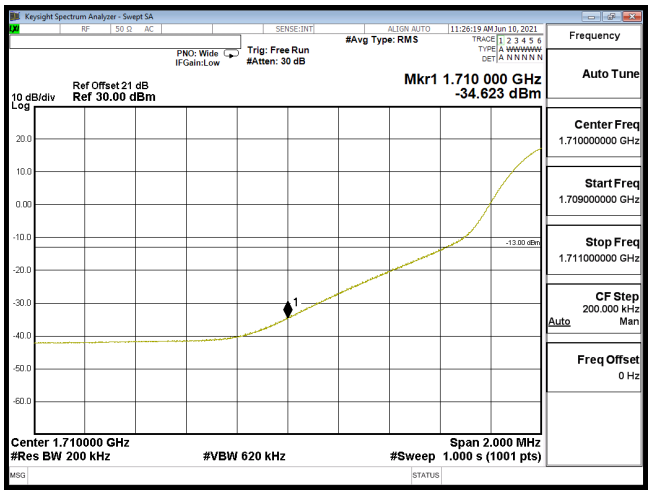
EDGE B4 15M CH20325 16QAM(75,0)



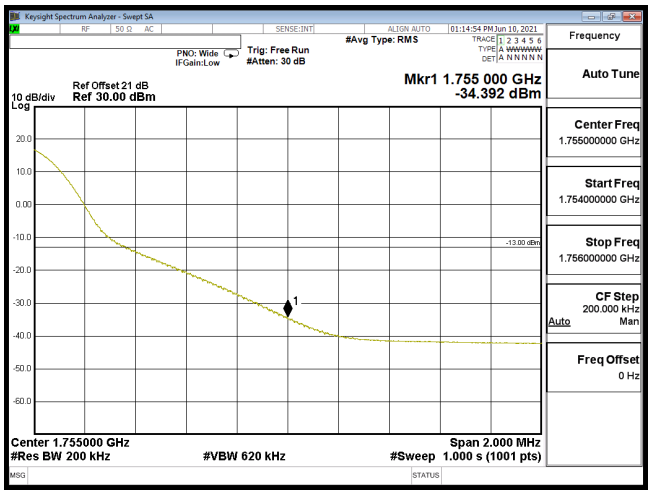
EDGE B4 20M CH20025 QPSK(1,0)



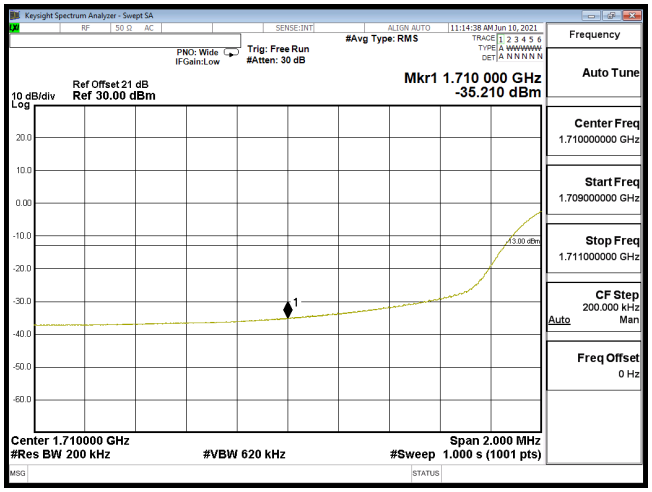
EDGE B4 20M CH20300 QPSK(1,99)



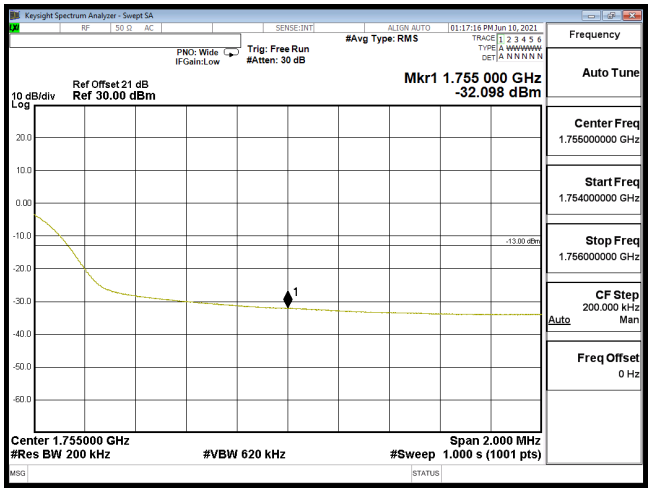
EDGE B4 20M CH20025 16QAM(1,0)



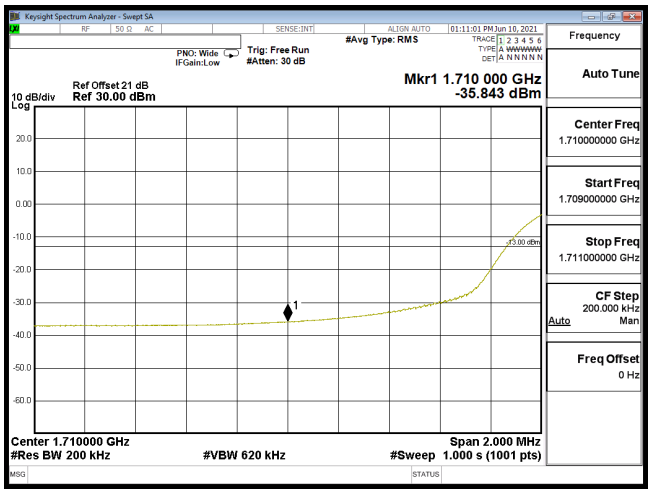
EDGE B4 20M CH20300 16QAM(1,99)



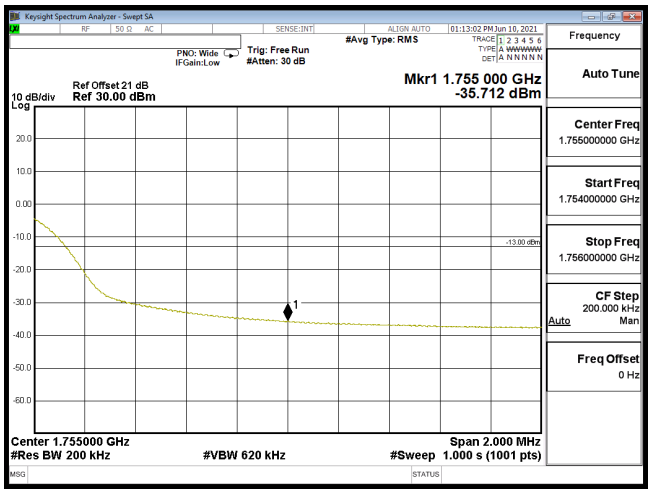
EDGE B4 20M CH20025 QPSK(100,0)



EDGE B4 20M CH20300 QPSK(100,0)

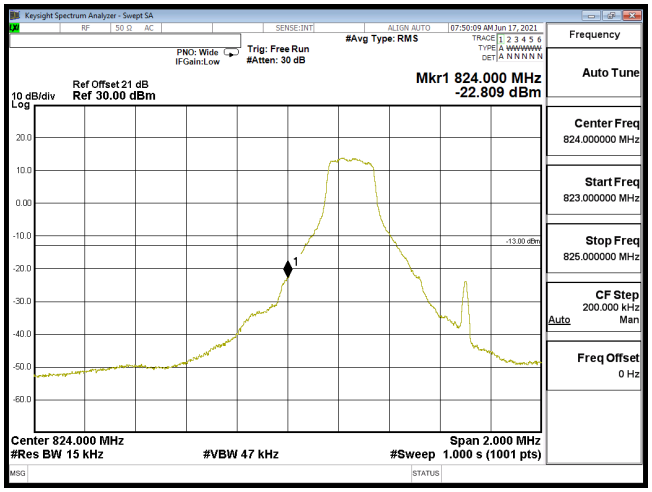


EDGE B4 20M CH20025 16QAM(100,0)

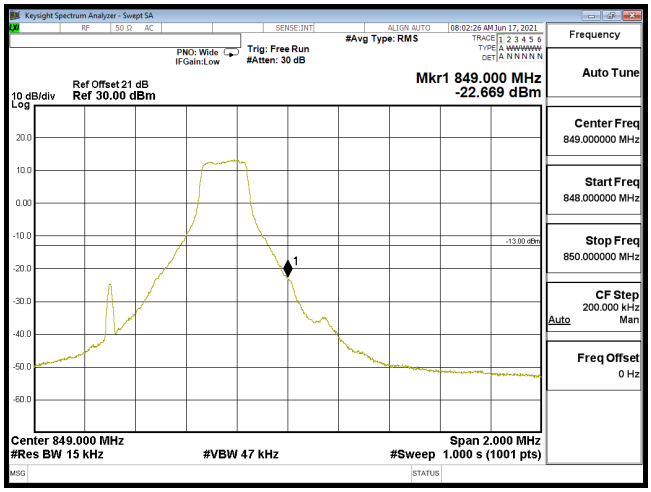


EDGE B4 20M CH20300 16QAM(100,0)

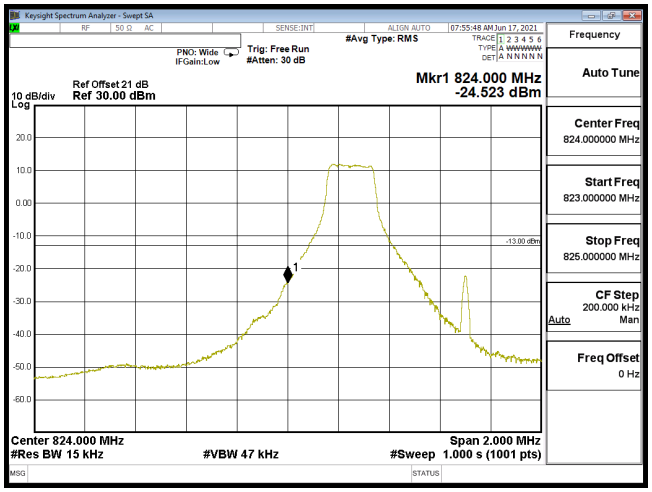
Product	WCDMA/LTE Mobile Phone		
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)		
Date of Test	2021/06/17	Test Site	CTR
Test Condition	Block Edge Test (LTE Band 5)		



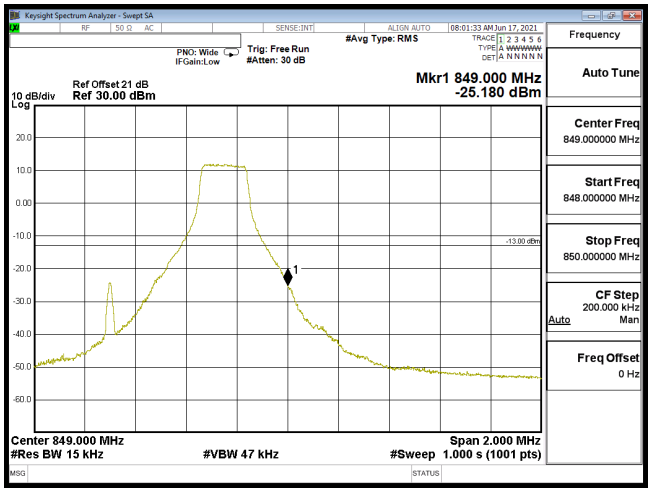
EDGE B5 1.4M CH20407 QPSK(1,0)



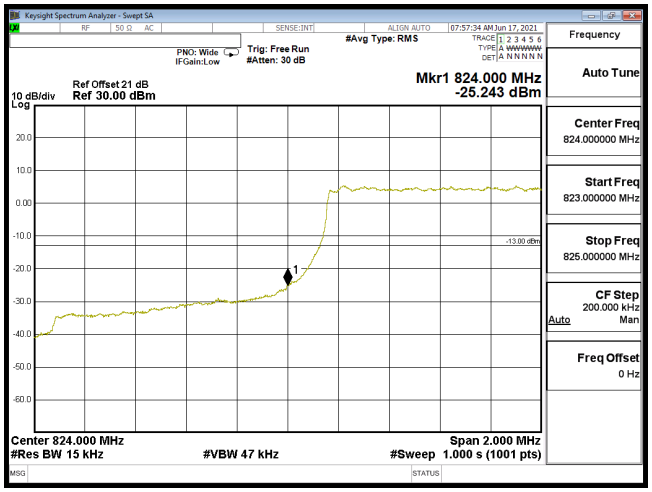
EDGE B5 1.4M CH20643 QPSK(1,5)



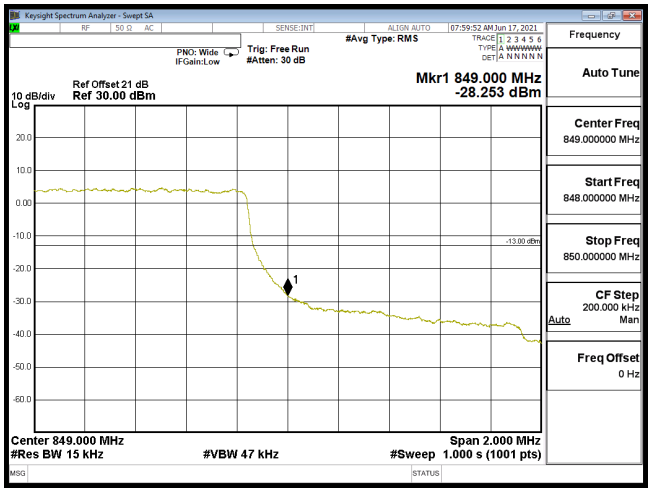
EDGE B5 1.4M CH20407 16QAM(1,0)



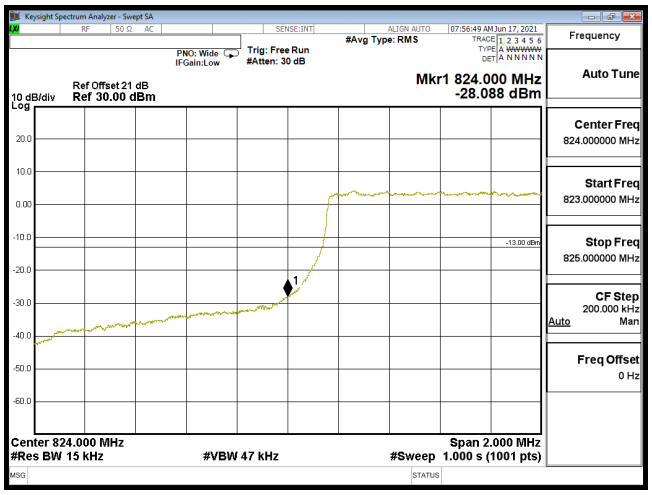
EDGE B5 1.4M CH20643 16QAM(1,5)



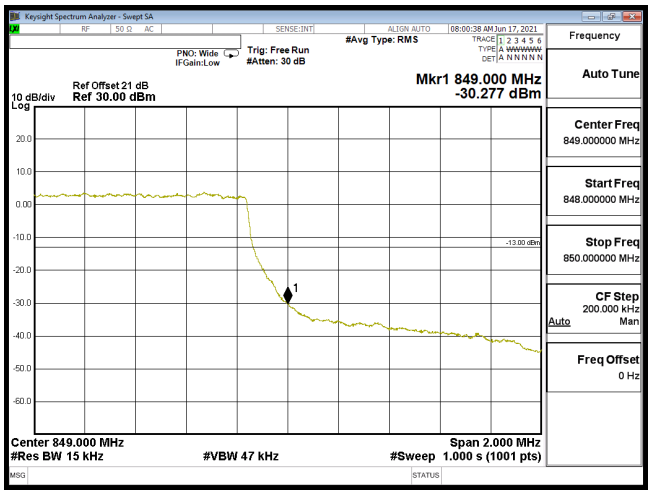
EDGE B5 1.4M CH20407 QPSK(6,0)



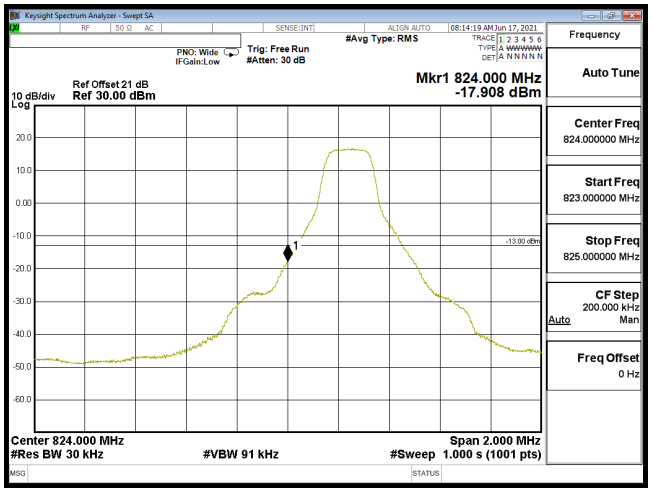
EDGE B5 1.4M CH20643 QPSK(6,0)



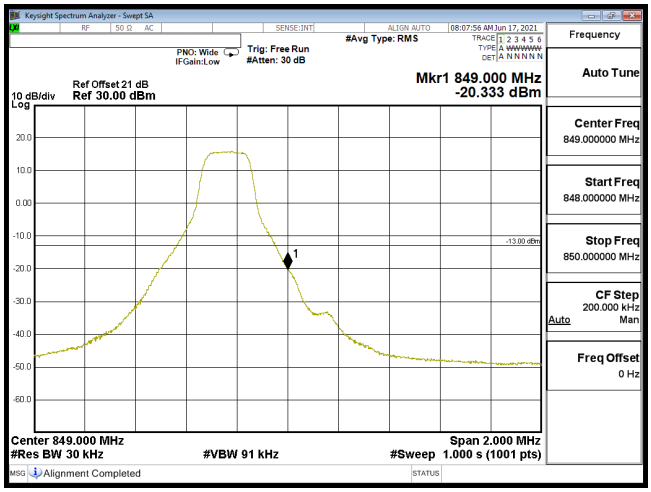
EDGE B5 1.4M CH20407 16QAM(6,0)



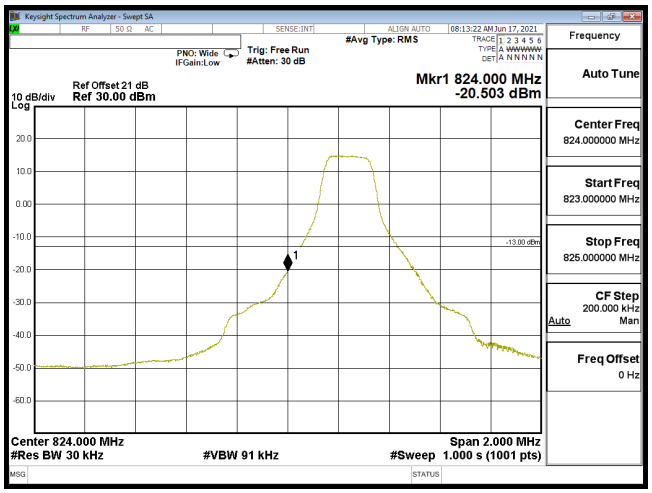
EDGE B5 1.4M CH20643 16QAM(6,0)



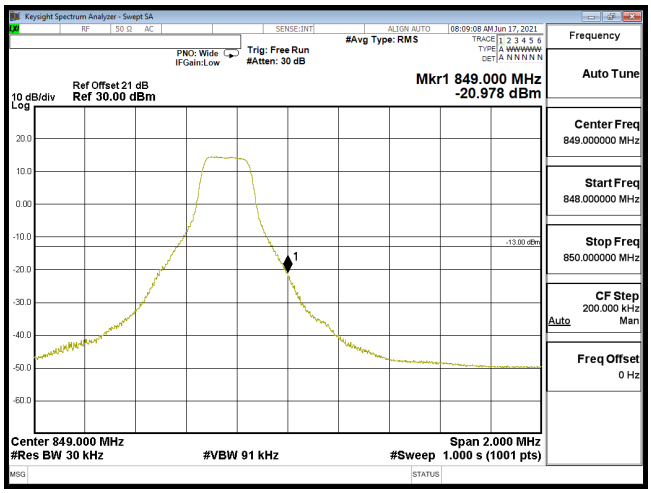
EDGE B5 3M CH20415 QPSK(1,0)



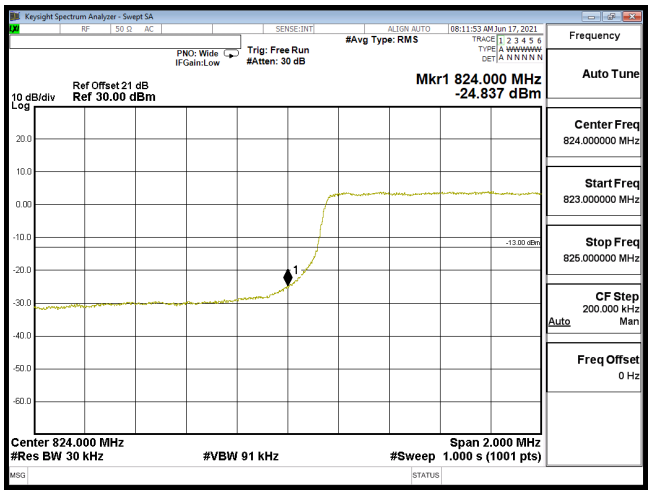
EDGE B5 3M CH20635 QPSK(1,14)



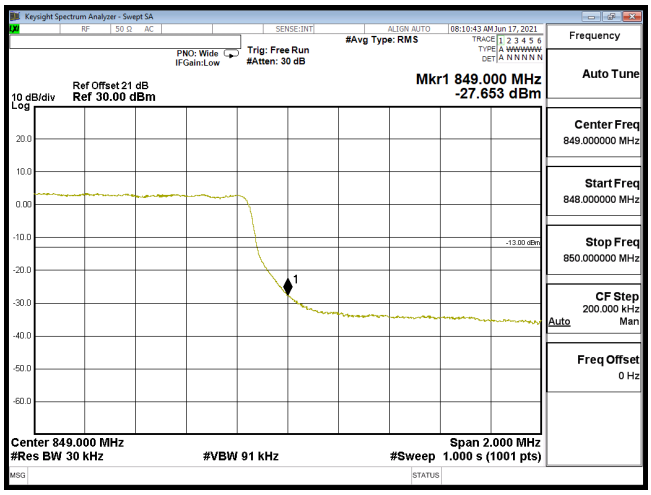
EDGE B5 3M CH20415 16QAM(1,0)



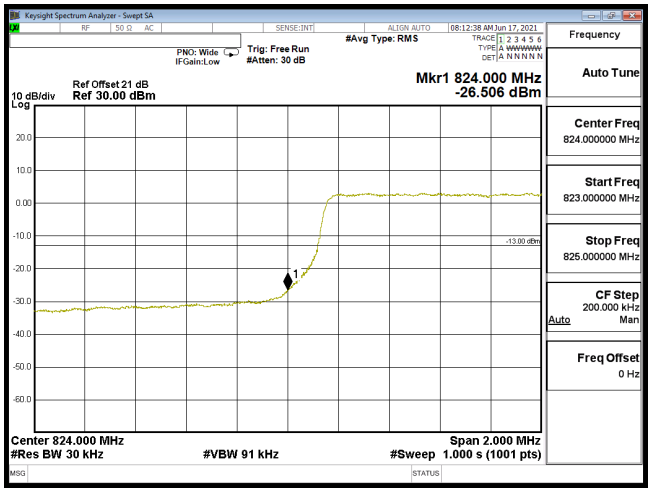
EDGE B5 3M CH20635 16QAM(1,14)



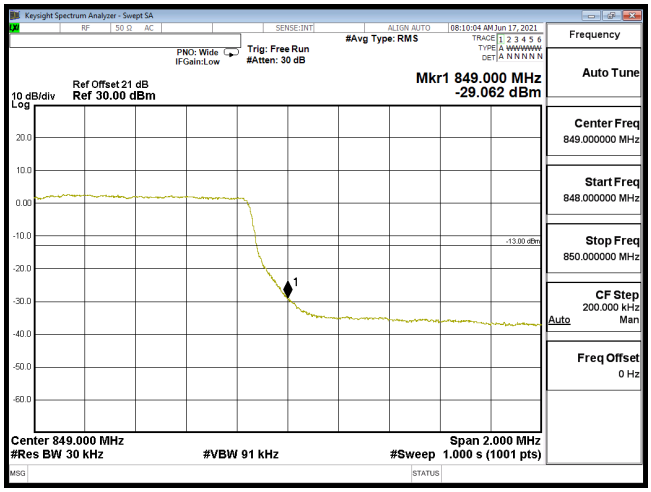
EDGE B5 3M CH20415 QPSK(15,0)



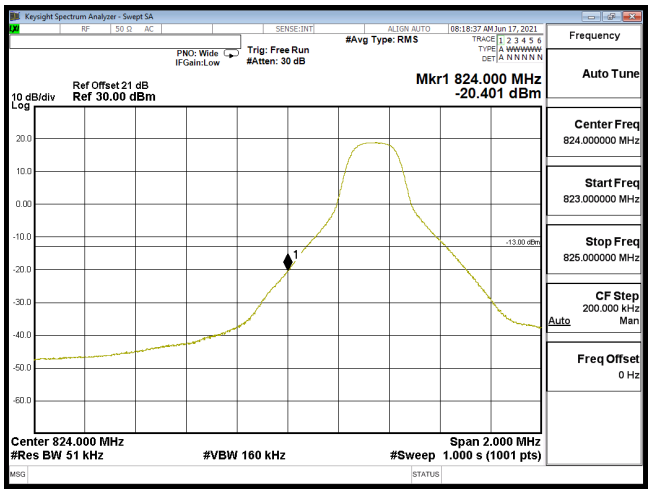
EDGE B5 3M CH20635 QPSK(15,0)



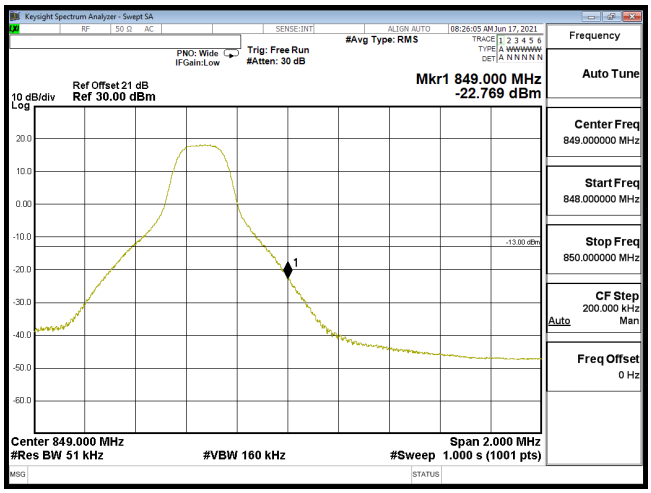
EDGE B5 3M CH20415 16QAM(15,0)



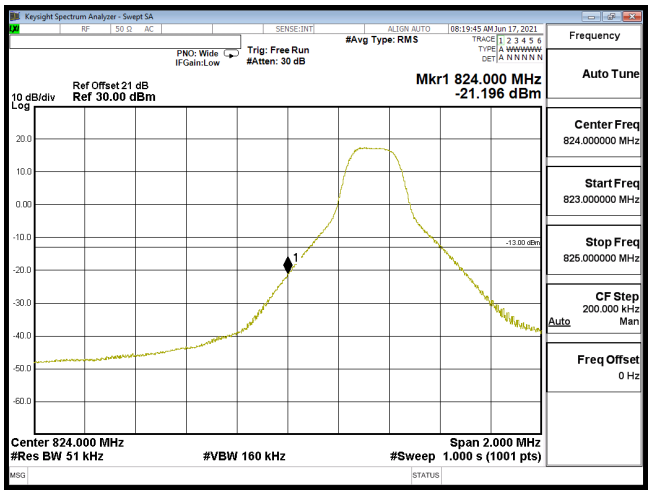
EDGE B5 3M CH20635 16QAM(15,0)



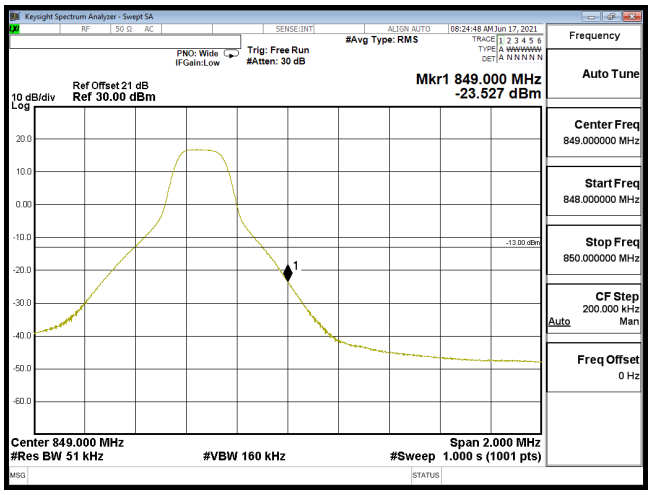
EDGE B5 5M CH20425 QPSK(1,0)



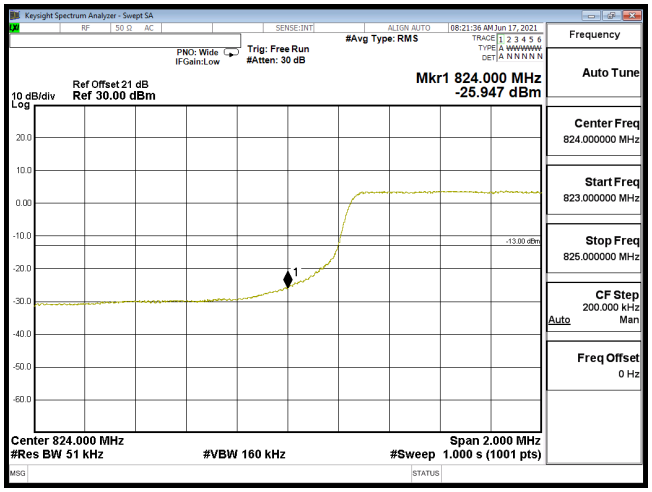
EDGE B5 5M CH20625 QPSK(1,24)



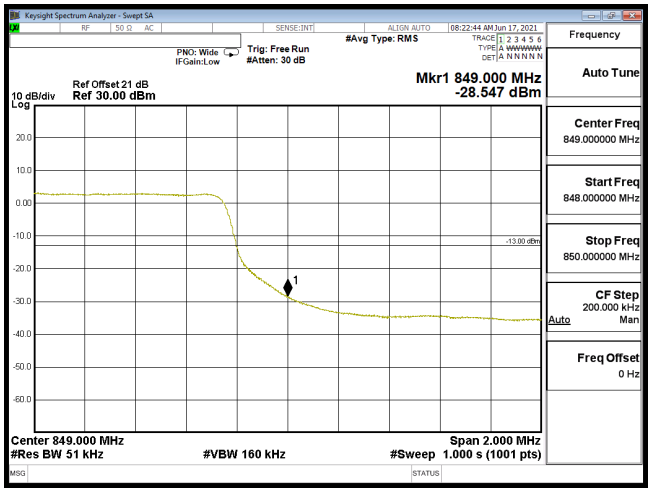
EDGE B5 5M CH20425 16QAM(1,0)



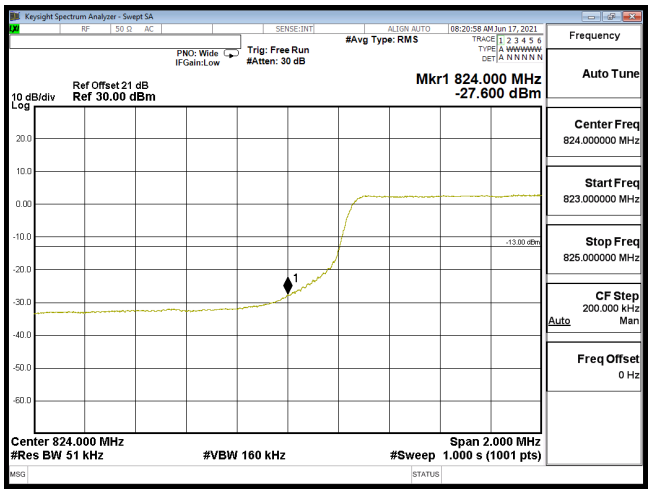
EDGE B5 5M CH20625 16QAM(1,24)



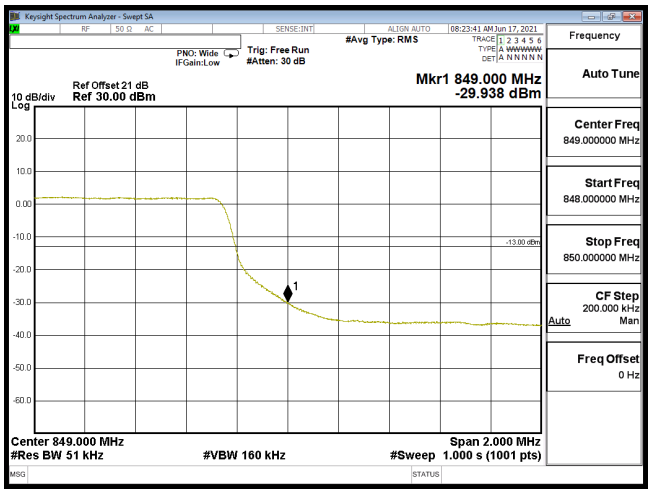
EDGE B5 5M CH20425 QPSK(25,0)



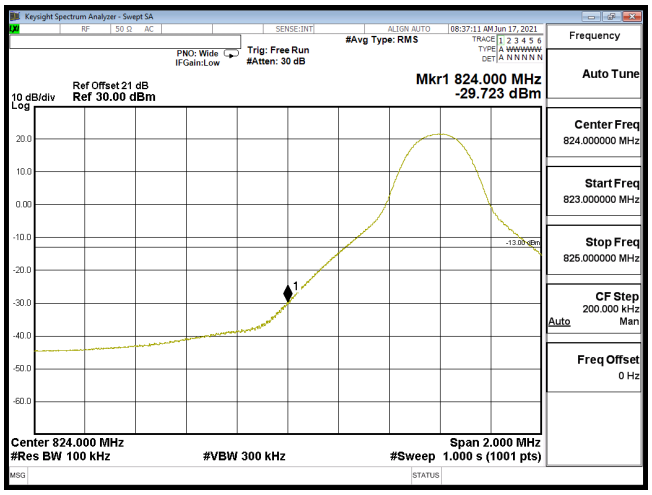
EDGE B5 5M CH20625 QPSK(25,0)



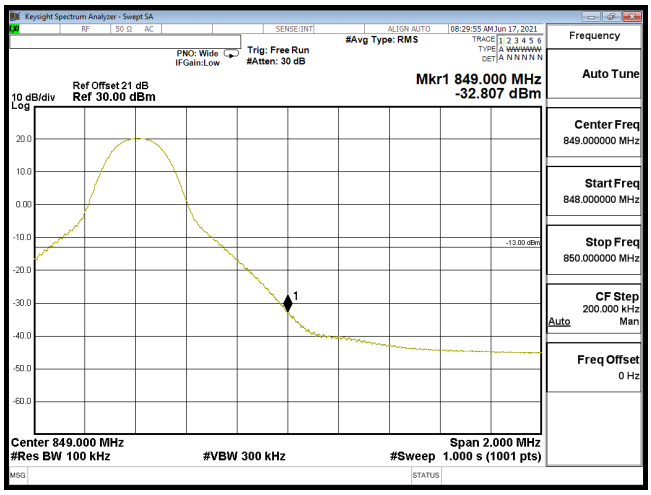
EDGE B5 5M CH20425 16QAM(25,0)



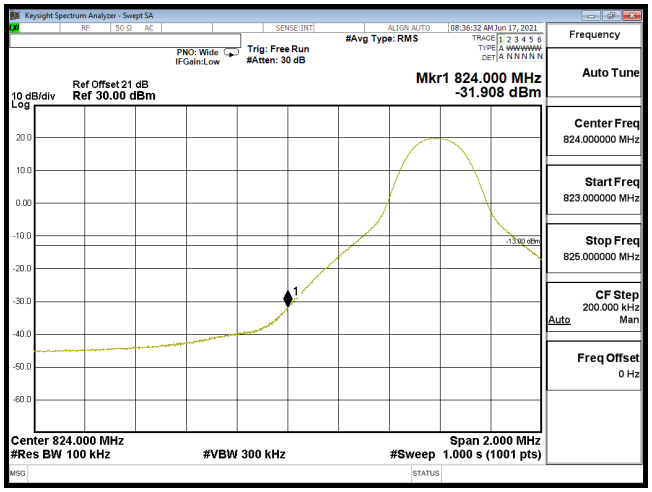
EDGE B5 5M CH20625 16QAM(25,0)



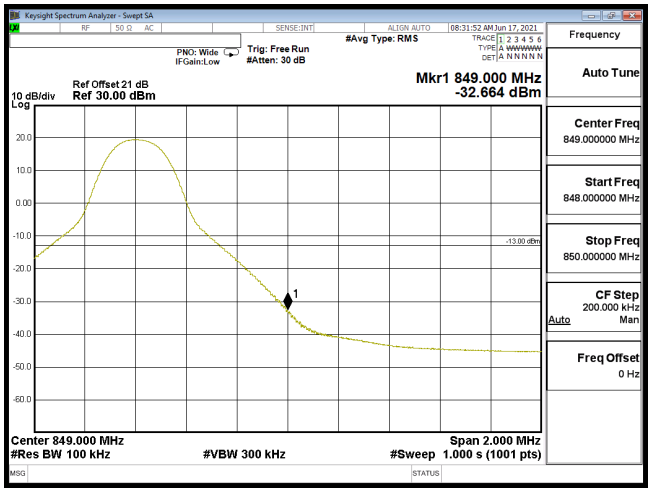
EDGE B5 10M CH20450 QPSK(1,0)



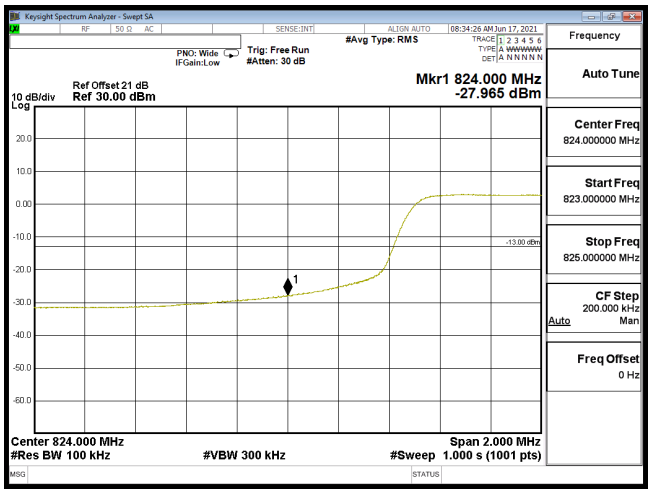
EDGE B5 10M CH20600 QPSK(1,49)



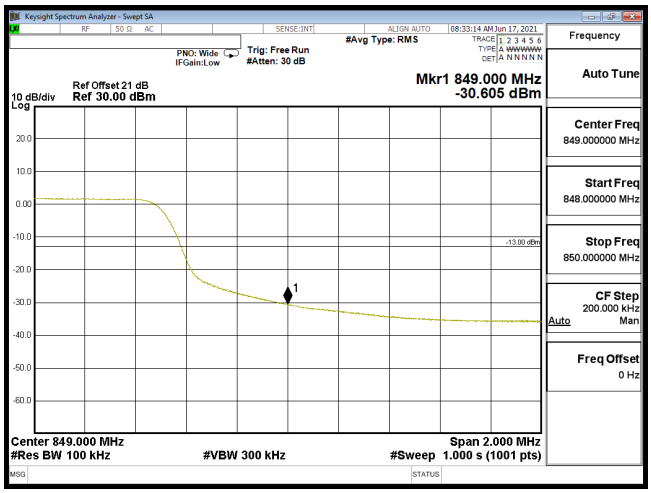
EDGE B5 10M CH20450 16QAM(1,0)



EDGE B5 10M CH20600 16QAM(1,49)



EDGE B5 10M CH20450 QPSK(50,0)



EDGE B5 10M CH20600 QPSK(50,0)