

3.4.3 TEST PROCEDURES

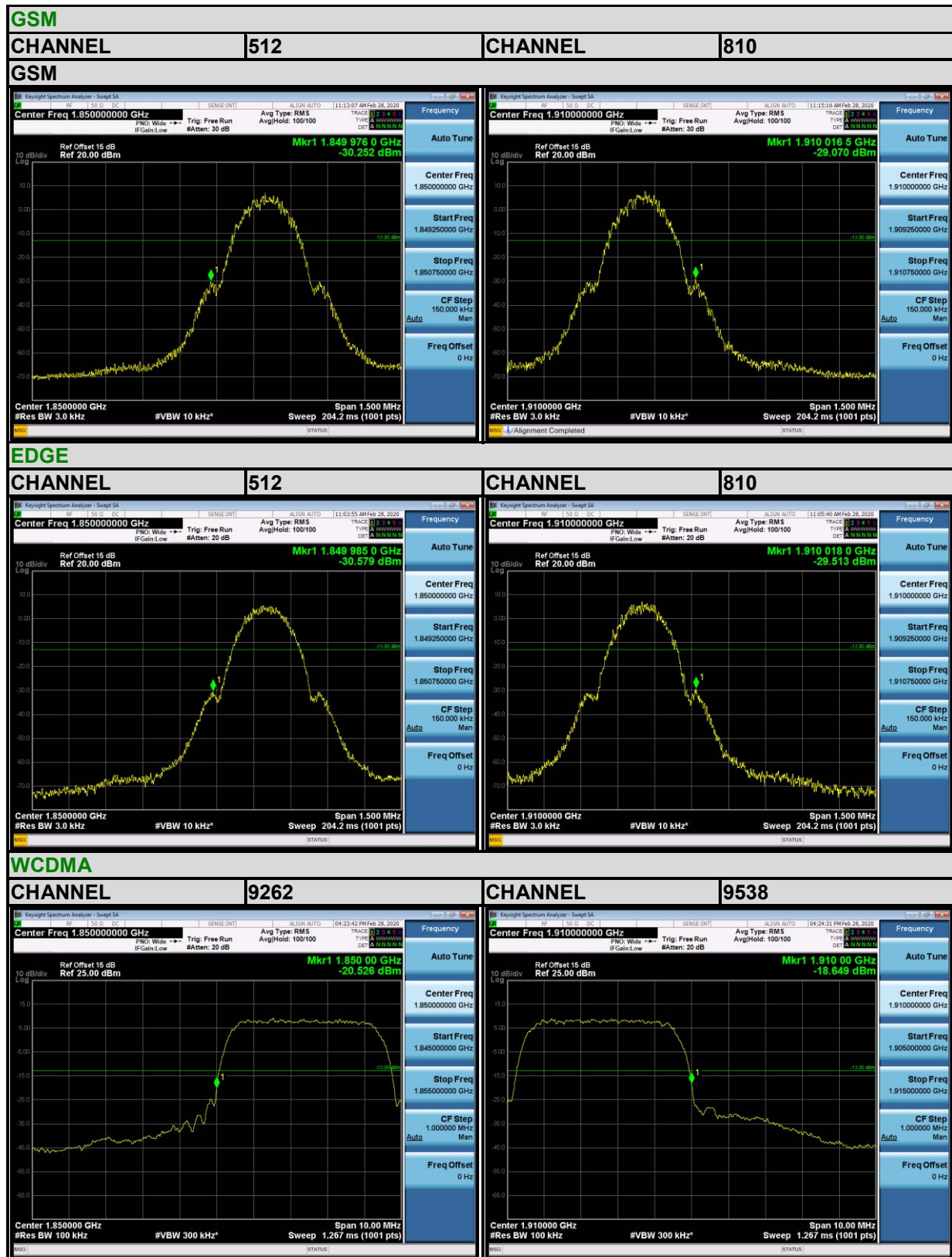
- a. All measurements were done at low and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 1.5 MHz. RBW of the spectrum is 10kHz and VBW of the spectrum is 30kHz (GSM/GPRS/ EDGE).
- c. The center frequency of spectrum is the band edge frequency and span is 10MHz. RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz (WCDMA).
- d. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 20kHz and VBW of the spectrum is 100 kHz. (LTE bandwidth 1.4MHz)
- e. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 30kHz and VBW of the spectrum is 100kHz. (LTE bandwidth 3MHz)
- f. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 50kHz and VBW of the spectrum is 200kHz. (LTE bandwidth 5MHz)
- g. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz. (LTE bandwidth 10MHz)
- h. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 200kHz and VBW of the spectrum is 1MHz. (LTE bandwidth 15MHz)
- i. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 200kHz and VBW of the spectrum is 1MHz. (LTE bandwidth 20MHz)
- j. Record the max trace plot into the test report.



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Test Report No.: RF200106W008-5

3.4.4. TEST RESULTS

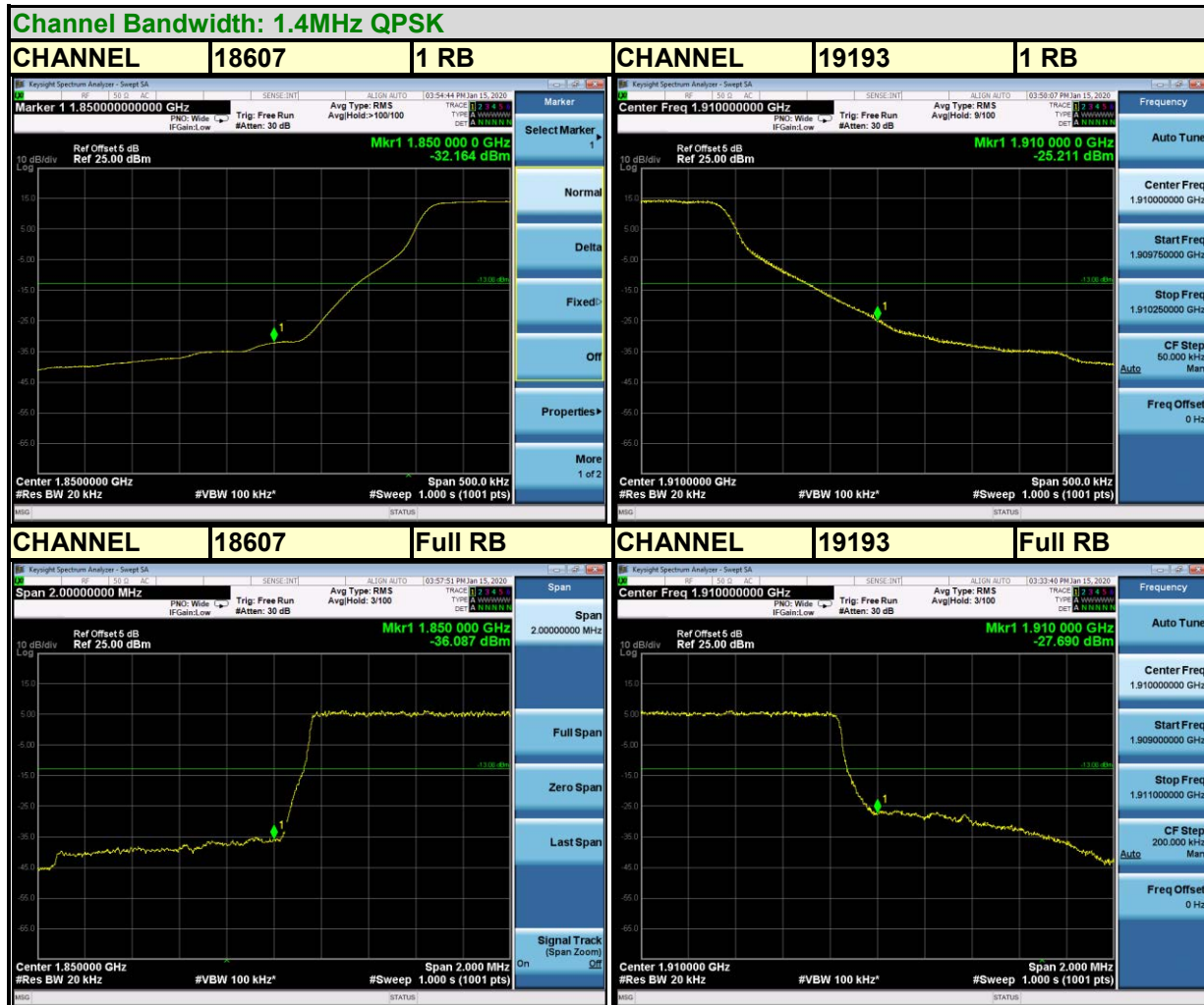




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Test Report No.: RF200106W008-5

LTE BAND 2

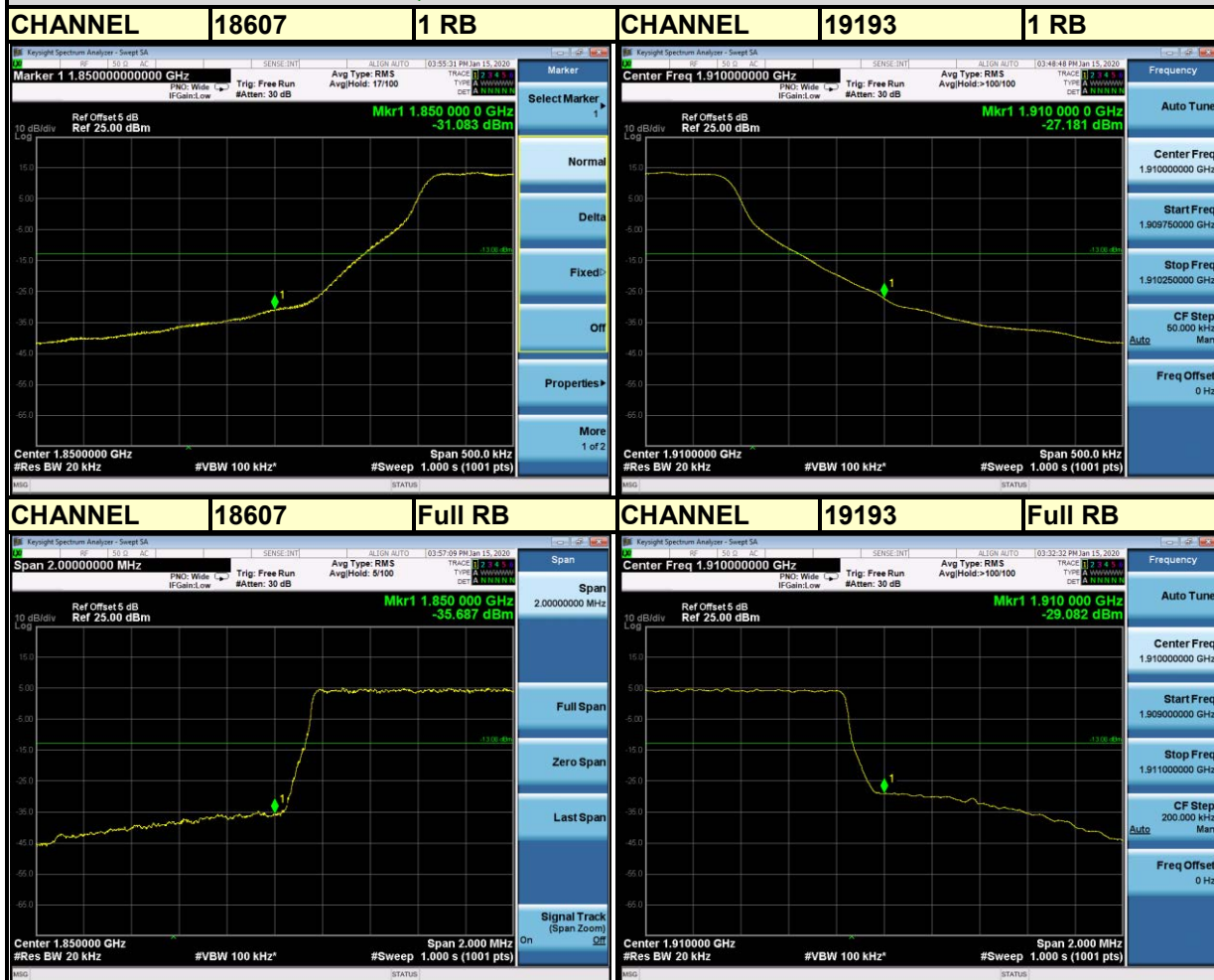




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Test Report No.: RF200106W008-5

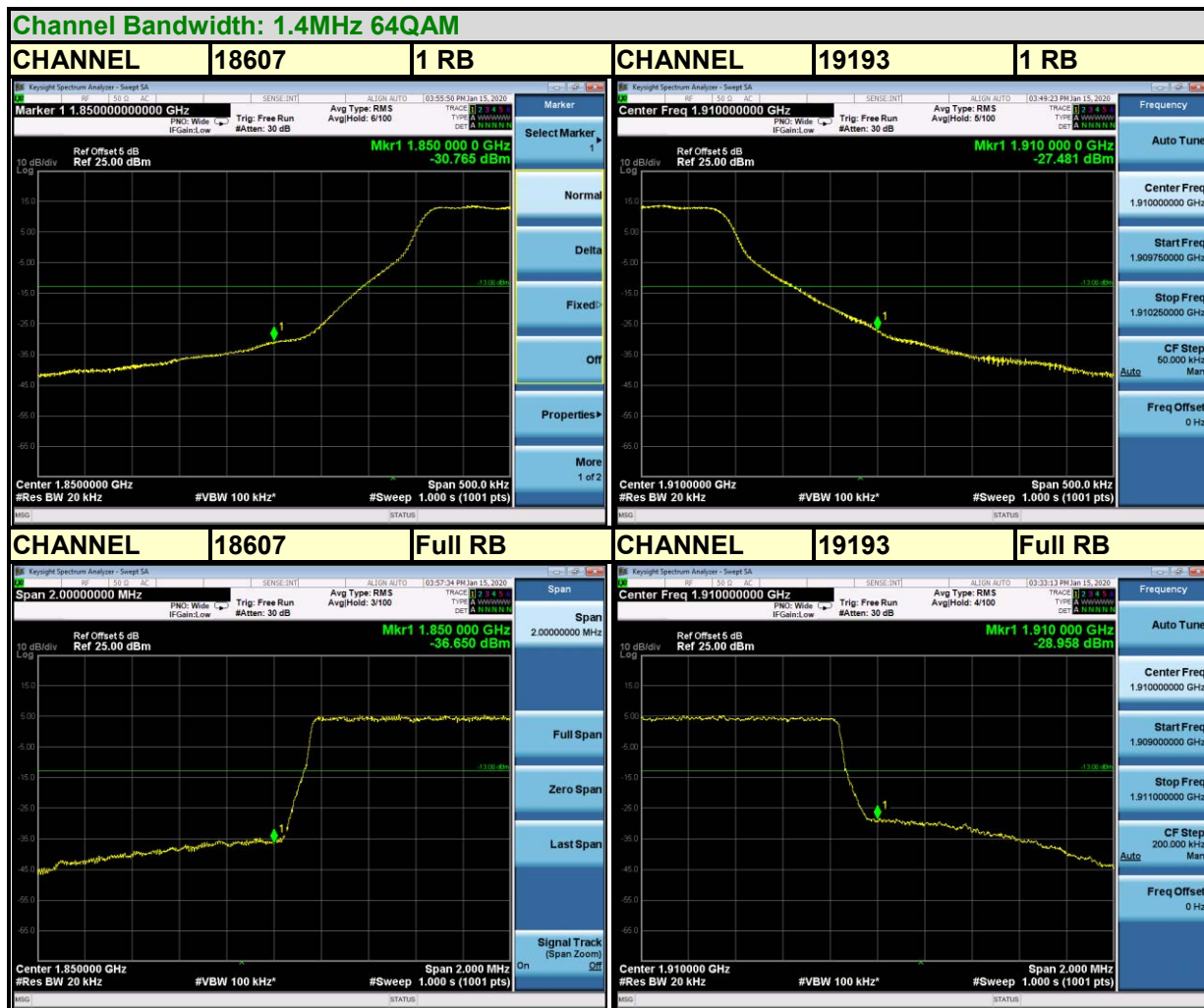
Channel Bandwidth: 1.4MHz 16QAM





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Test Report No.: RF200106W008-5



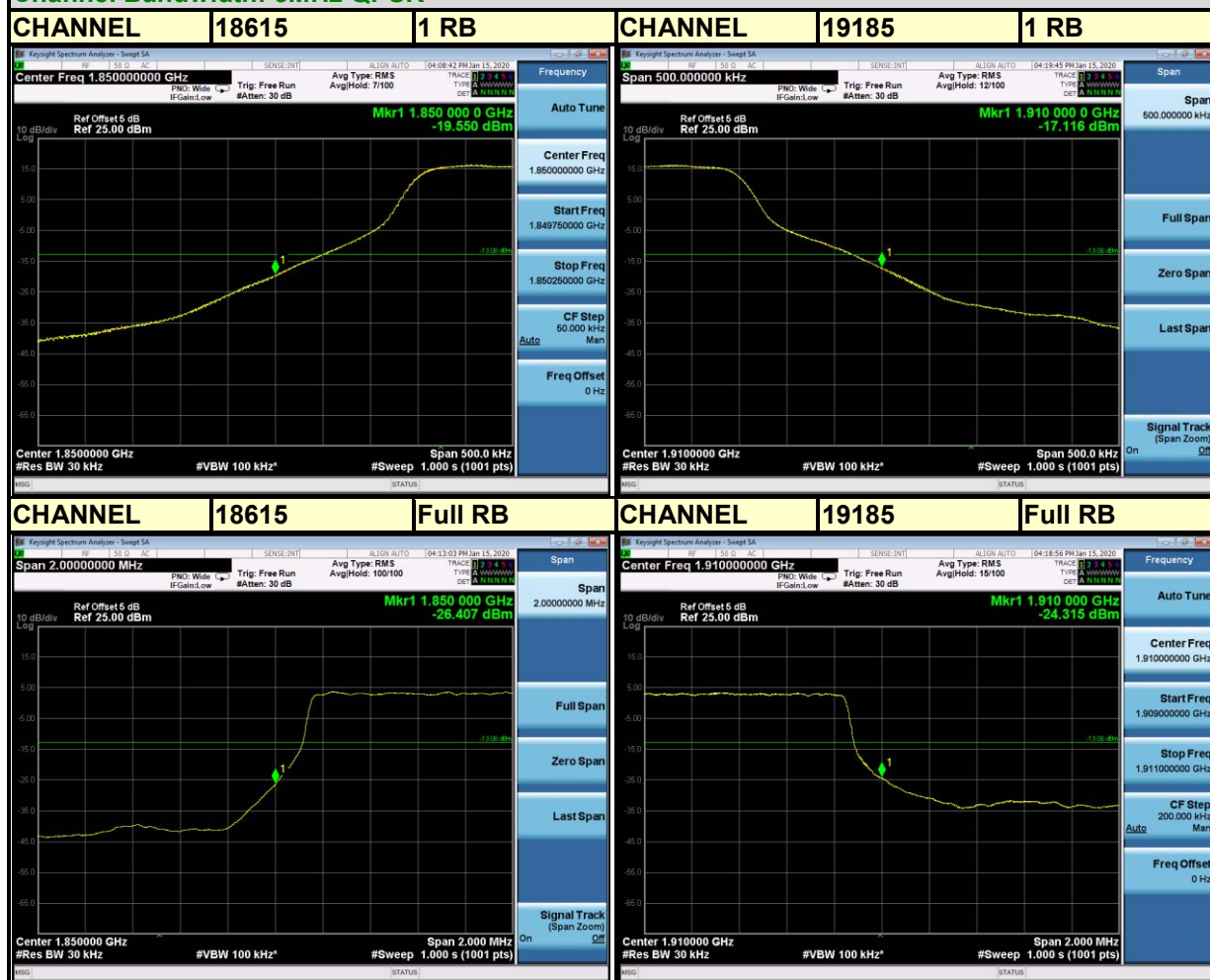


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Test Report No.: RF200106W008-5

LTE BAND 2

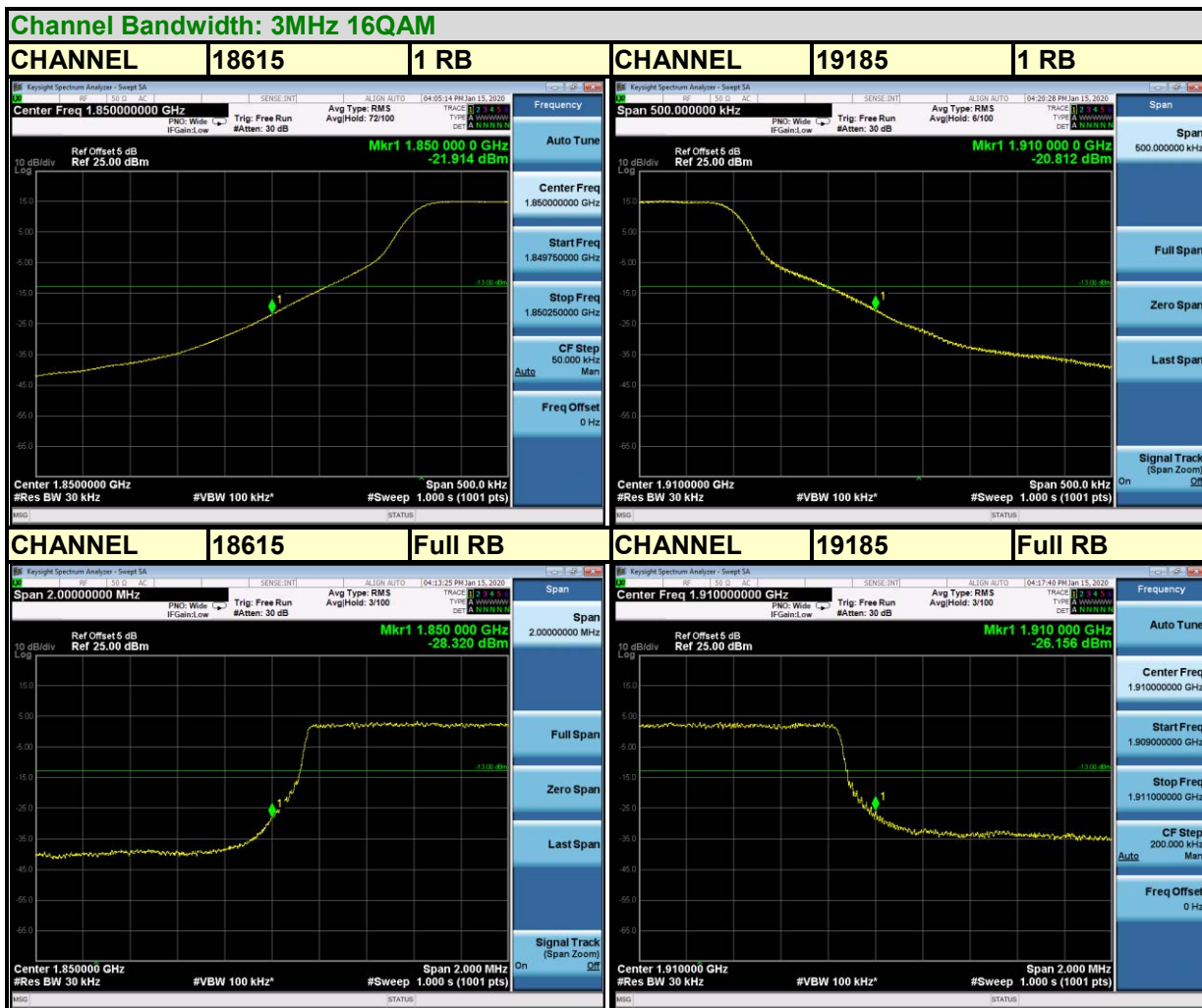
Channel Bandwidth: 3MHz QPSK





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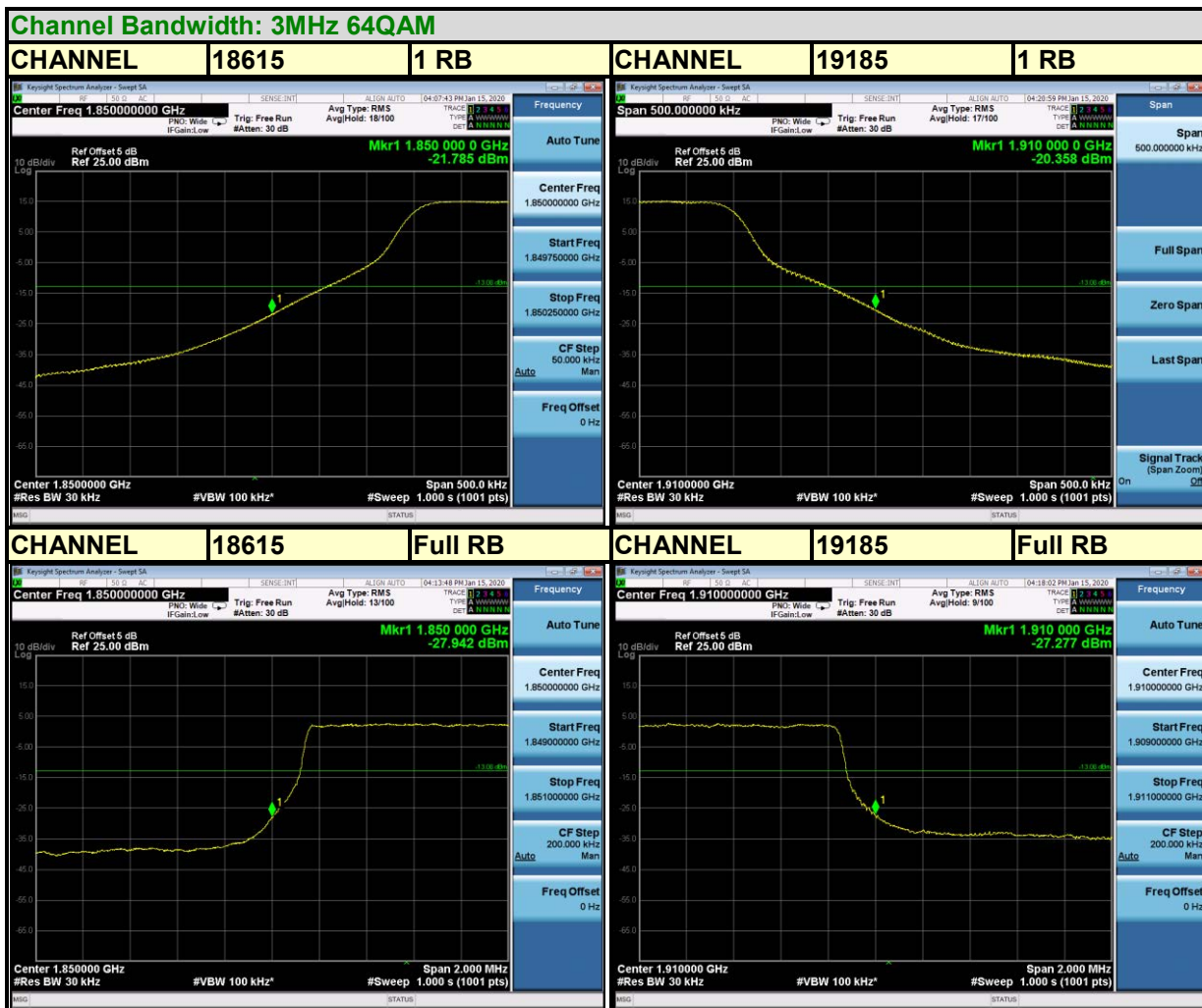
Test Report No.: RF200106W008-5





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Test Report No.: RF200106W008-5



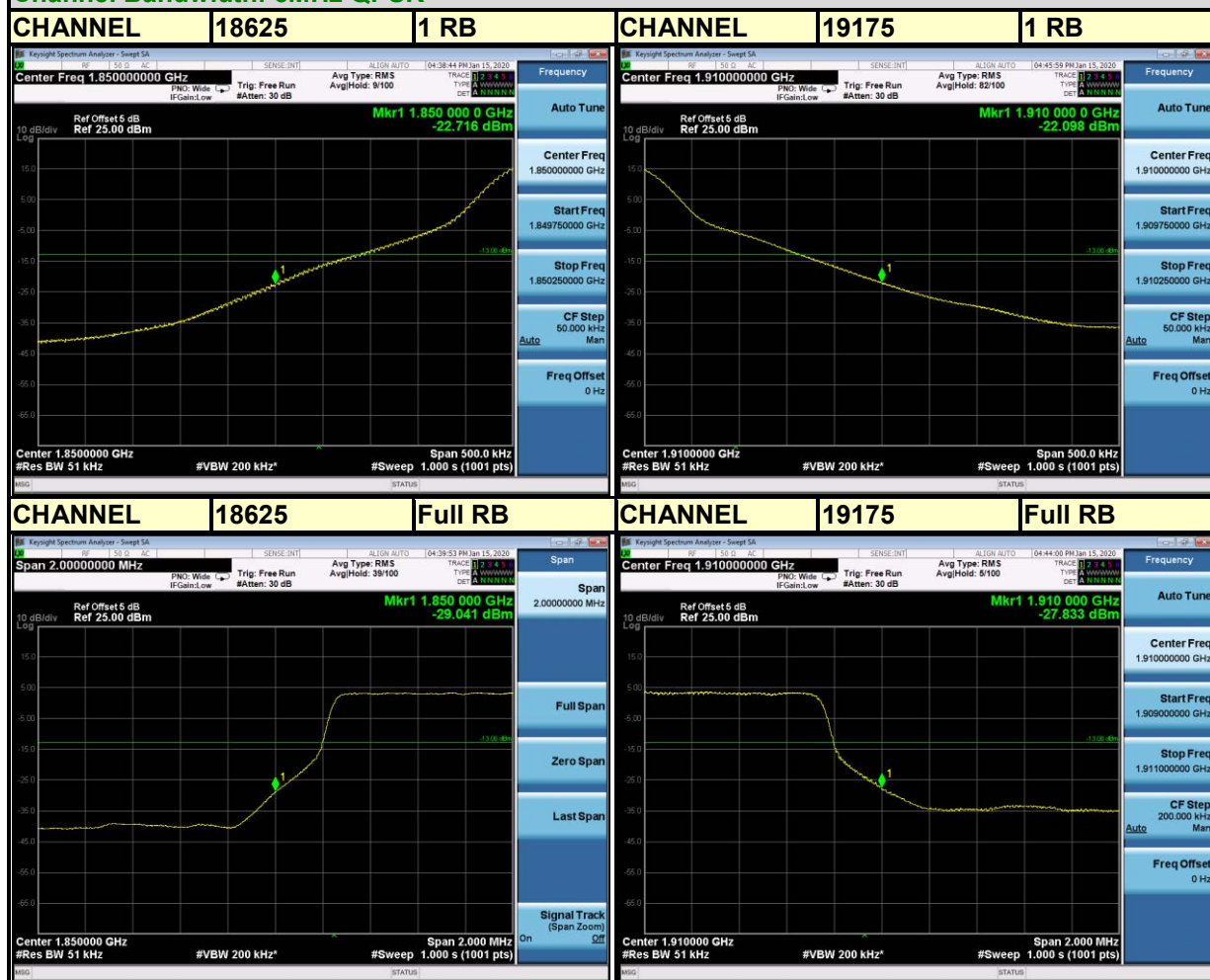


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Test Report No.: RF200106W008-5

LTE BAND 2

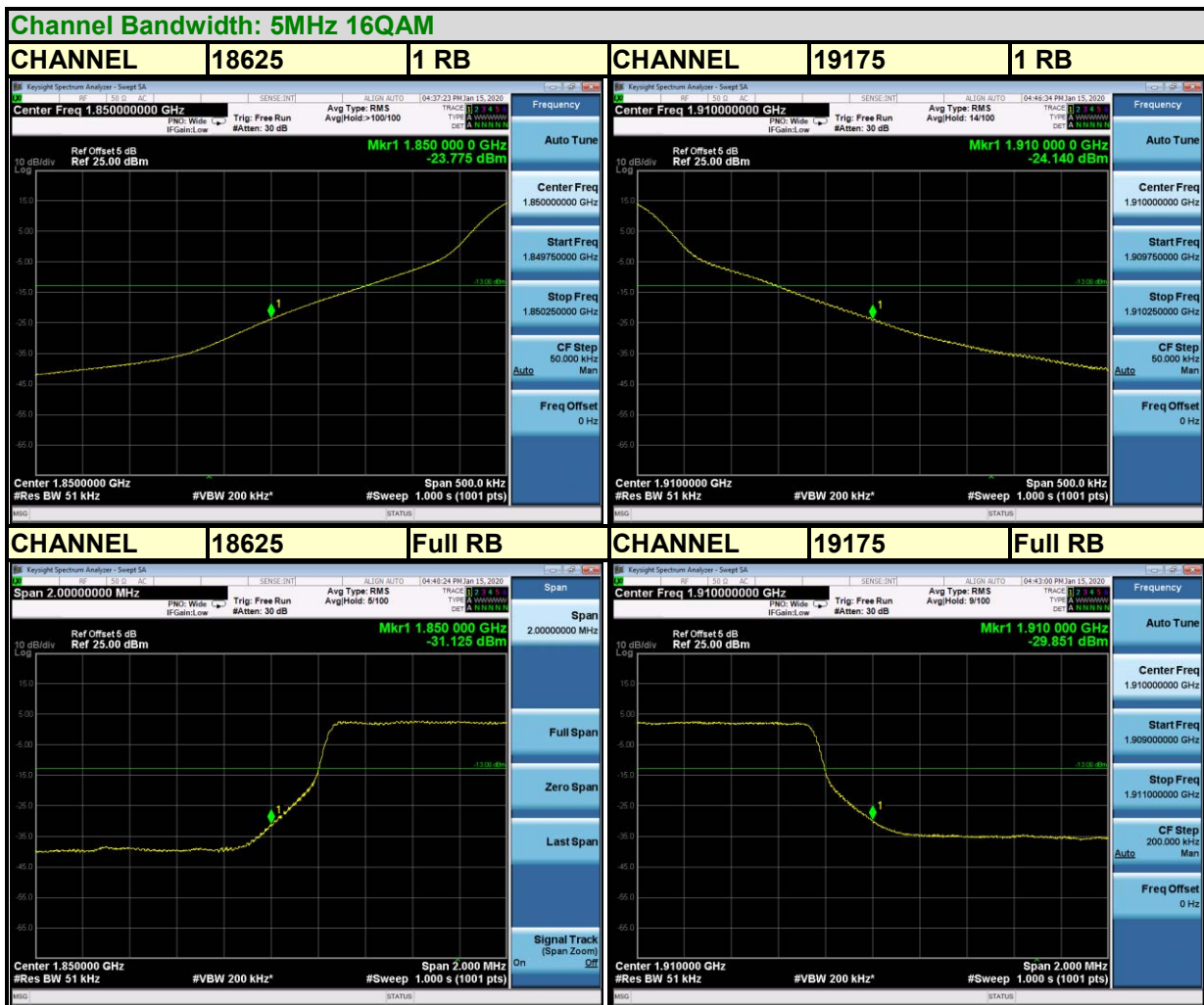
Channel Bandwidth: 5MHz QPSK





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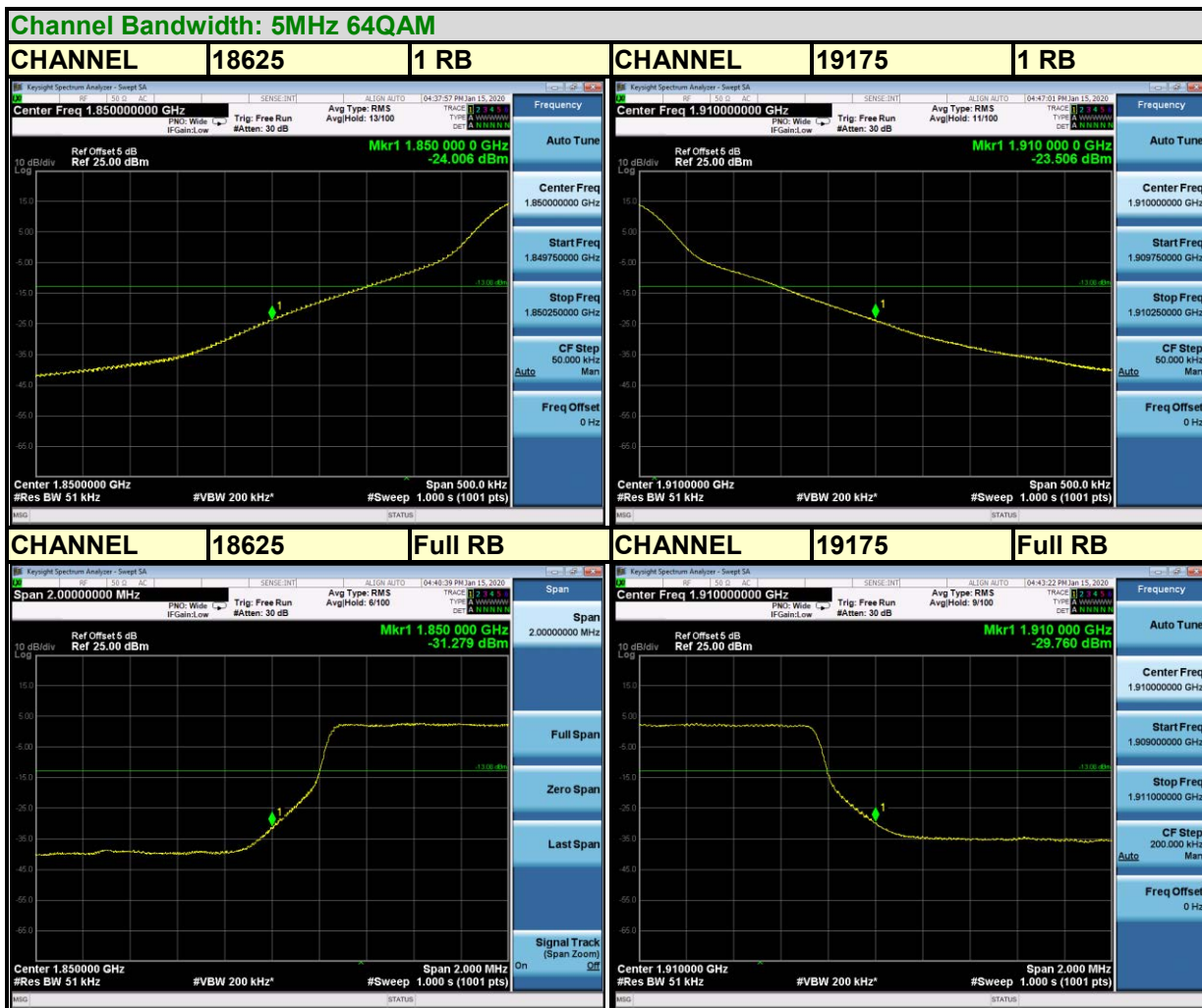
Test Report No.: RF200106W008-5





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Test Report No.: RF200106W008-5



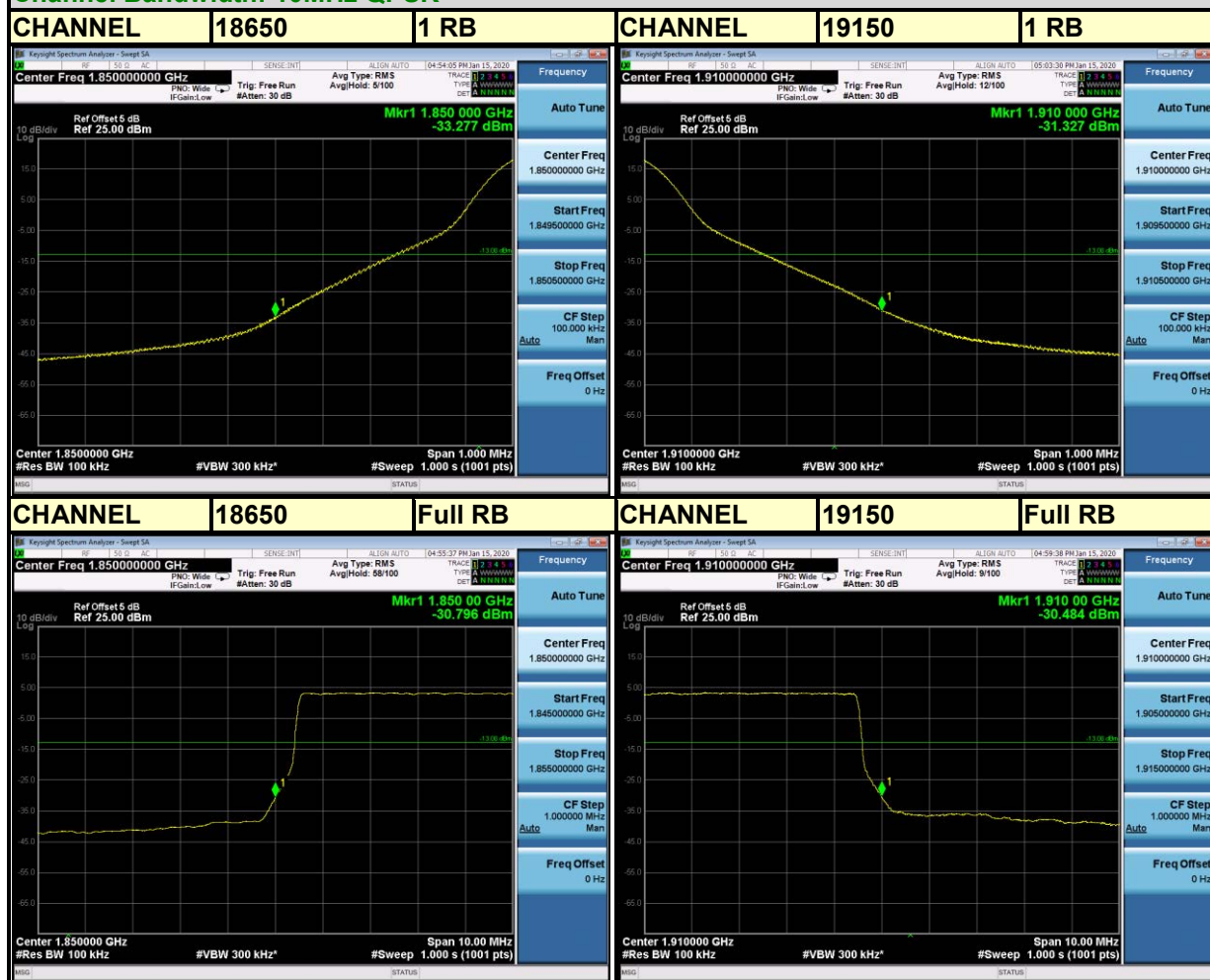


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Test Report No.: RF200106W008-5

LTE BAND 2

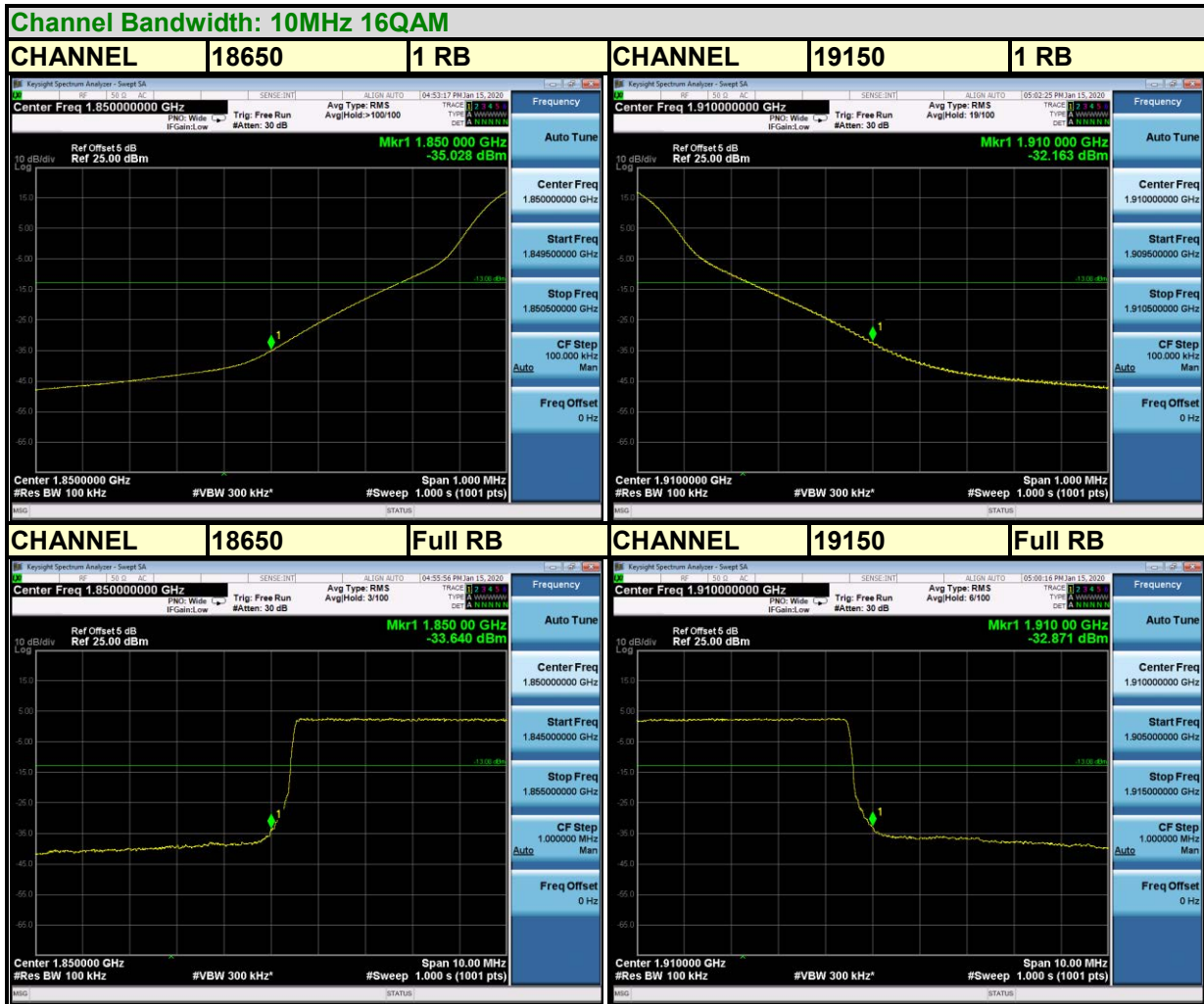
Channel Bandwidth: 10MHz QPSK





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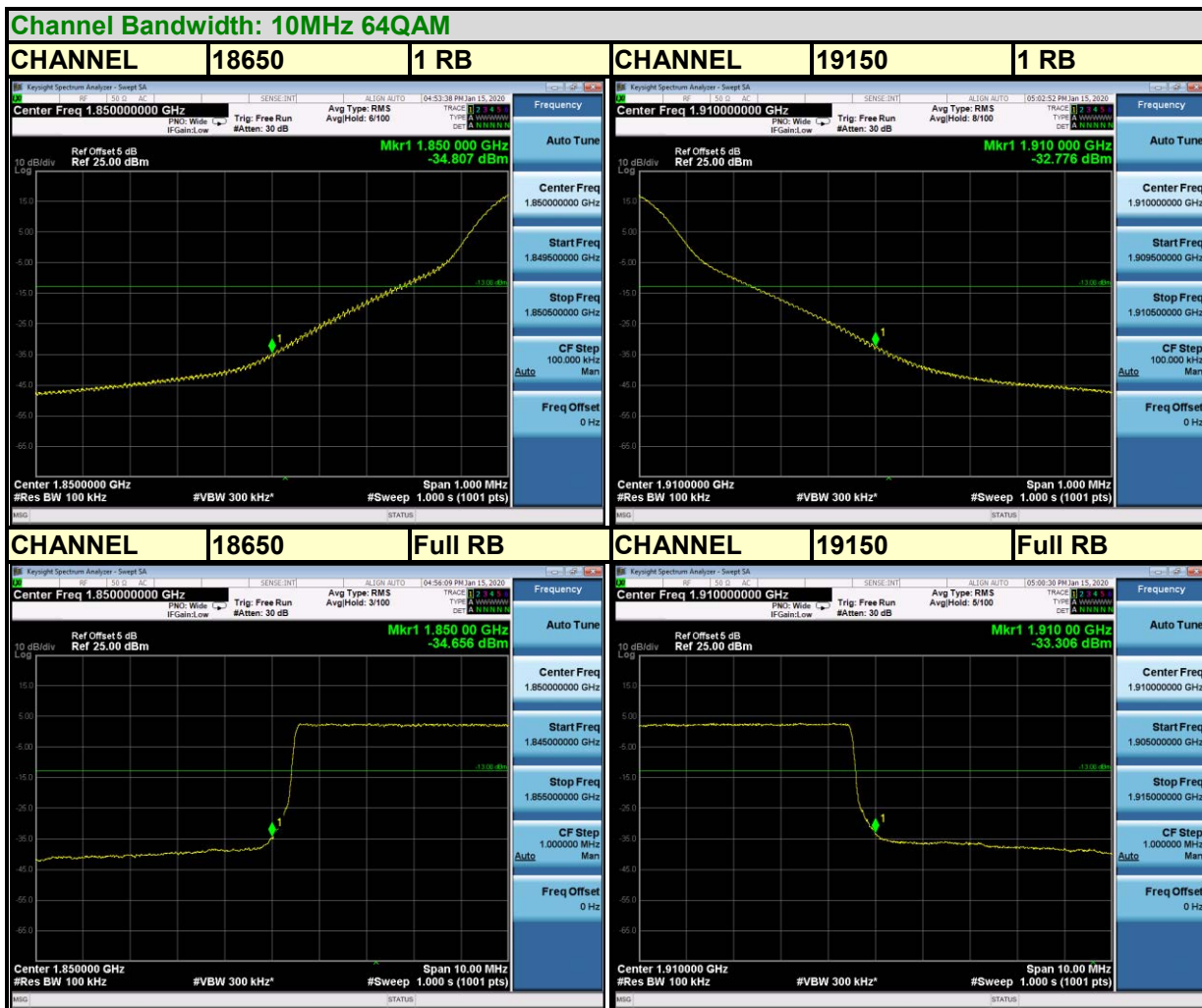
Test Report No.: RF200106W008-5





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Test Report No.: RF200106W008-5



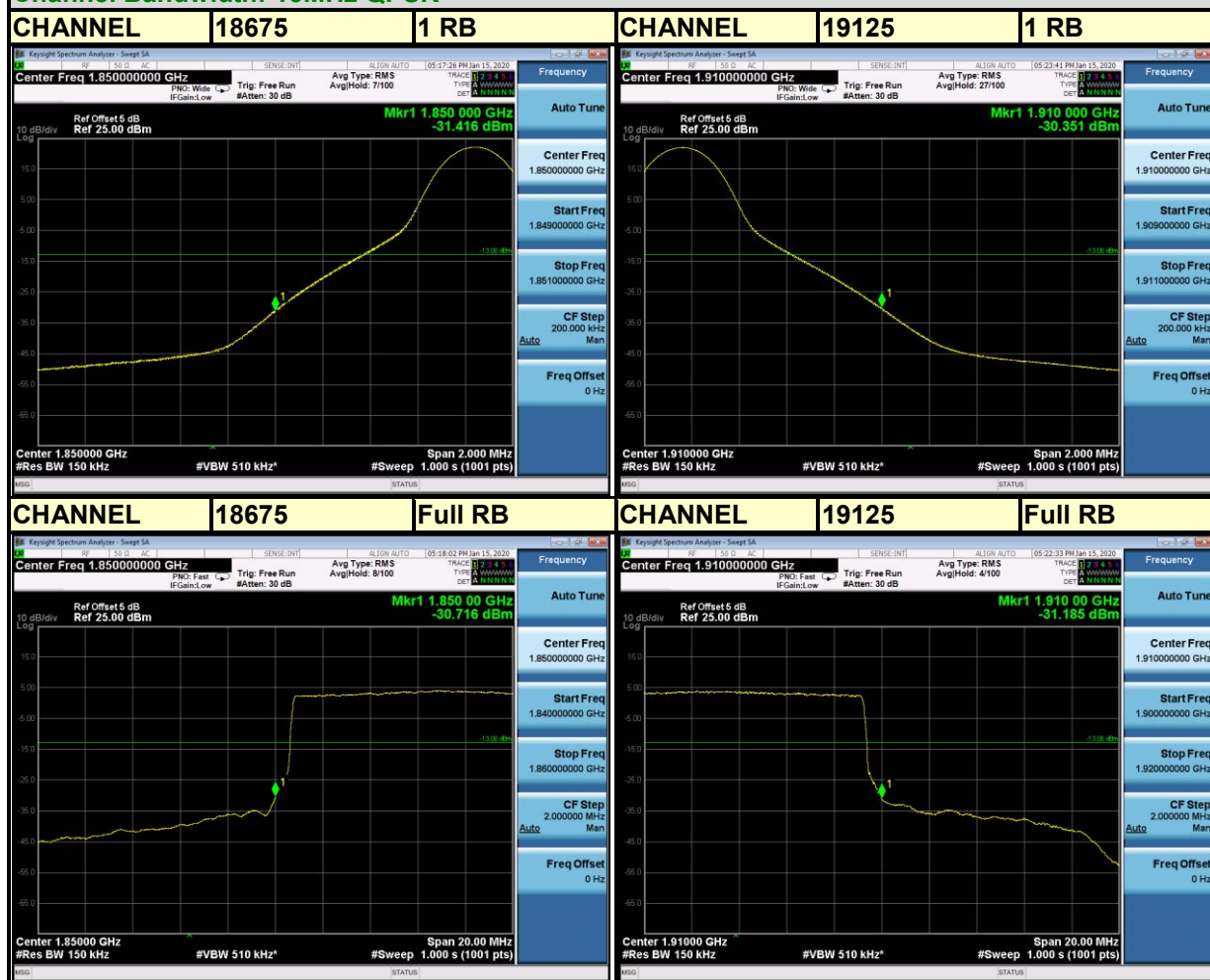


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Test Report No.: RF200106W008-5

LTE BAND 2

Channel Bandwidth: 15MHz QPSK

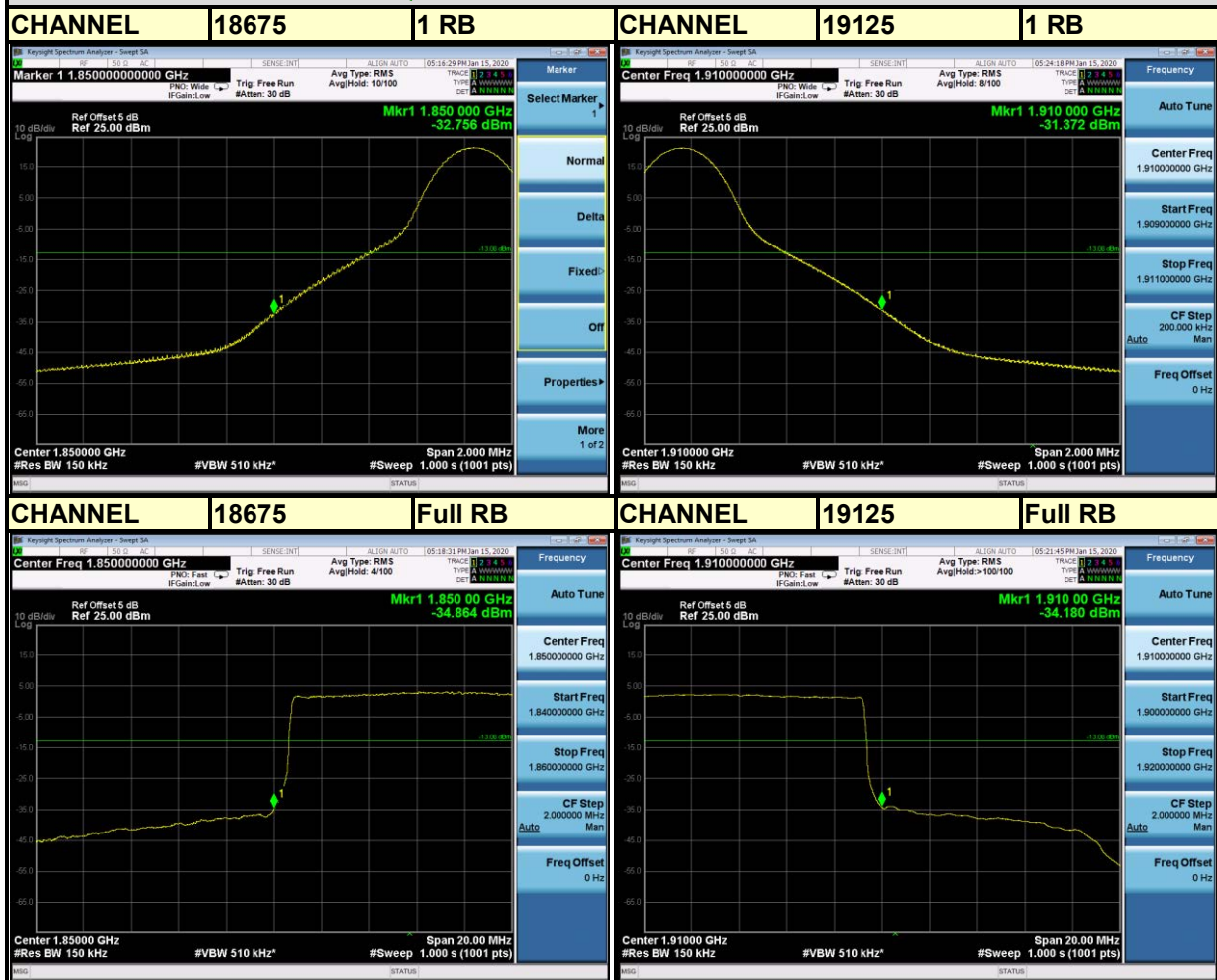




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Test Report No.: RF200106W008-5

Channel Bandwidth: 15MHz 16QAM

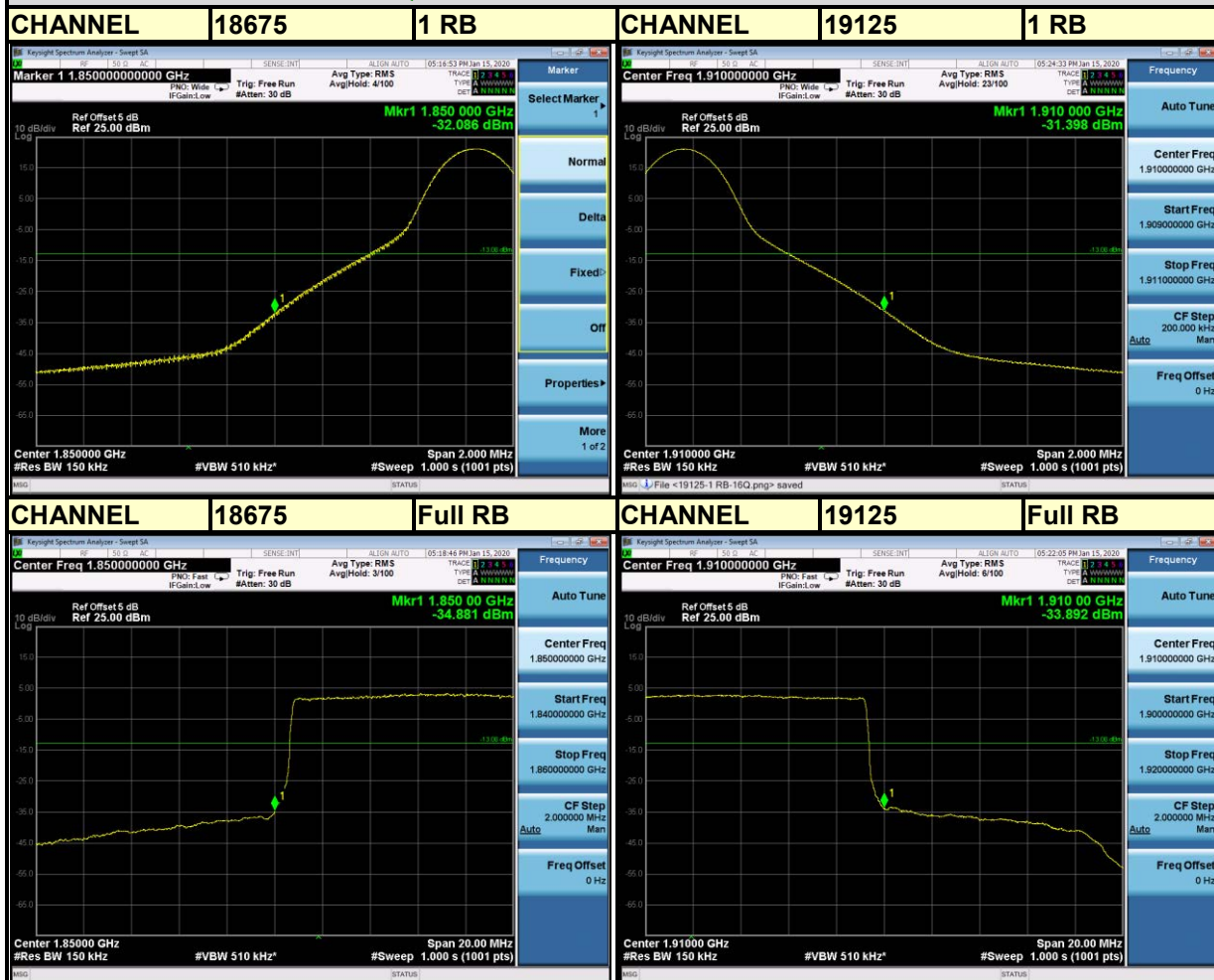




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Test Report No.: RF200106W008-5

Channel Bandwidth: 15MHz 64QAM



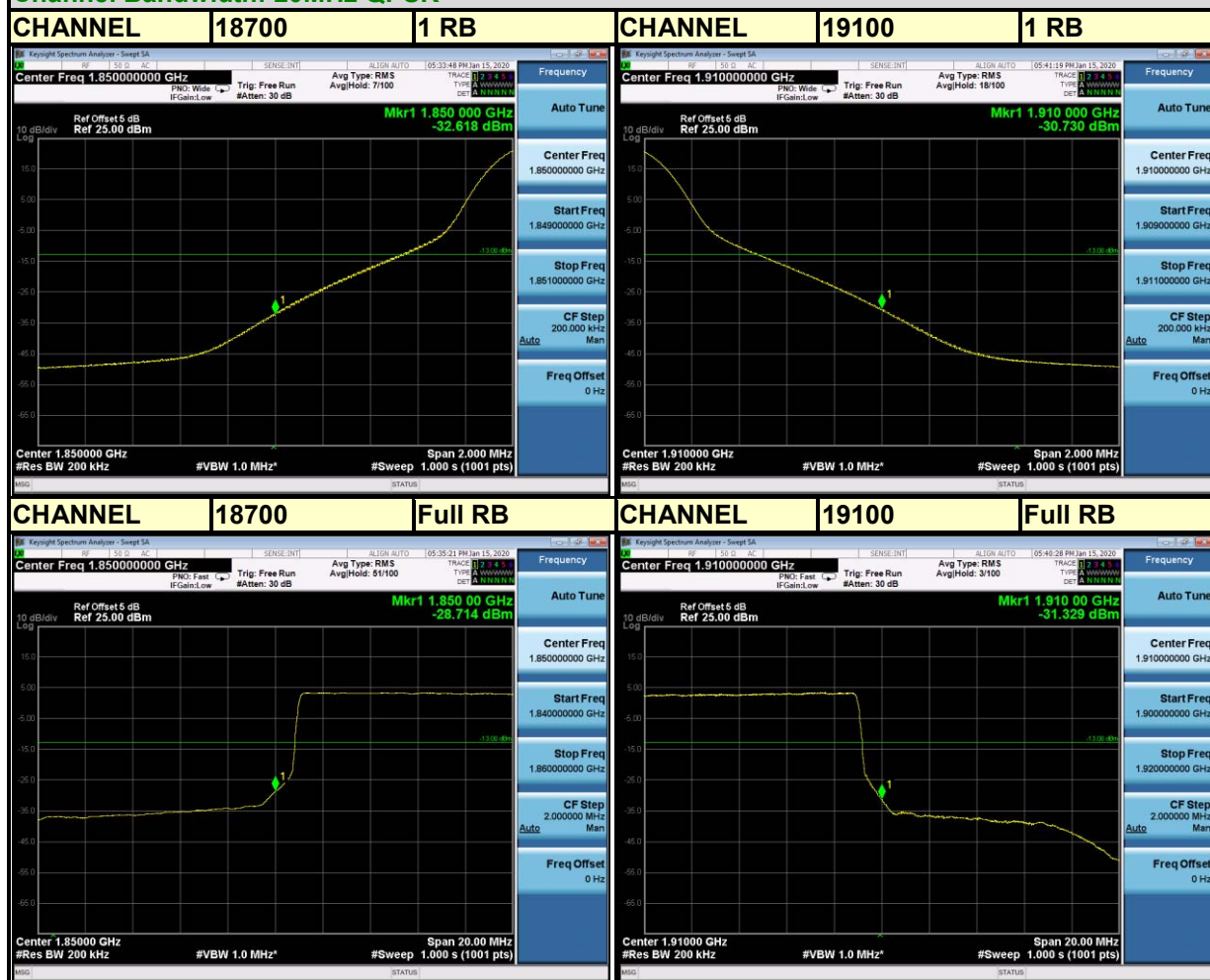


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Test Report No.: RF200106W008-5

LTE BAND 2

Channel Bandwidth: 20MHz QPSK

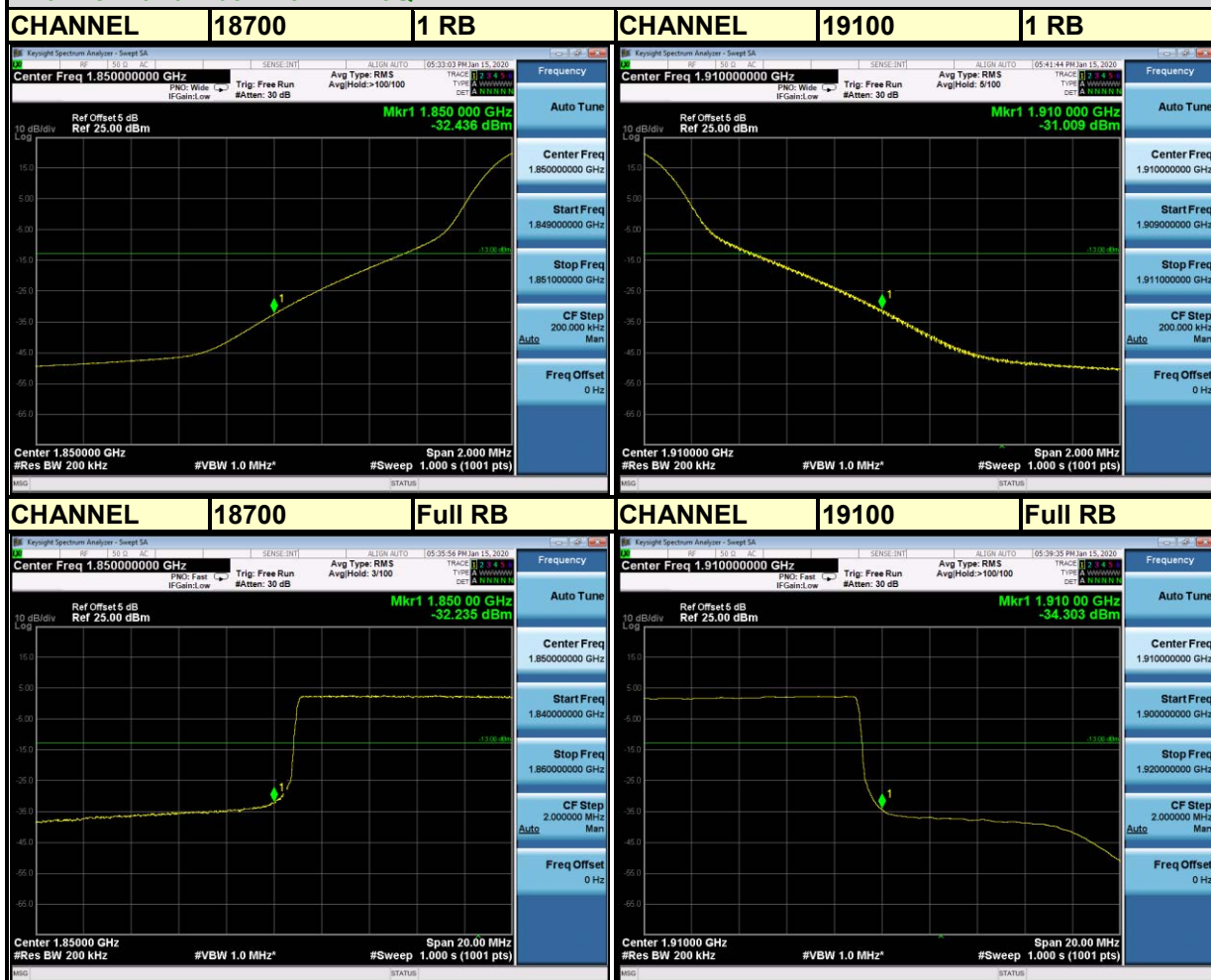




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Test Report No.: RF200106W008-5

Channel Bandwidth: 20MHz 16QAM

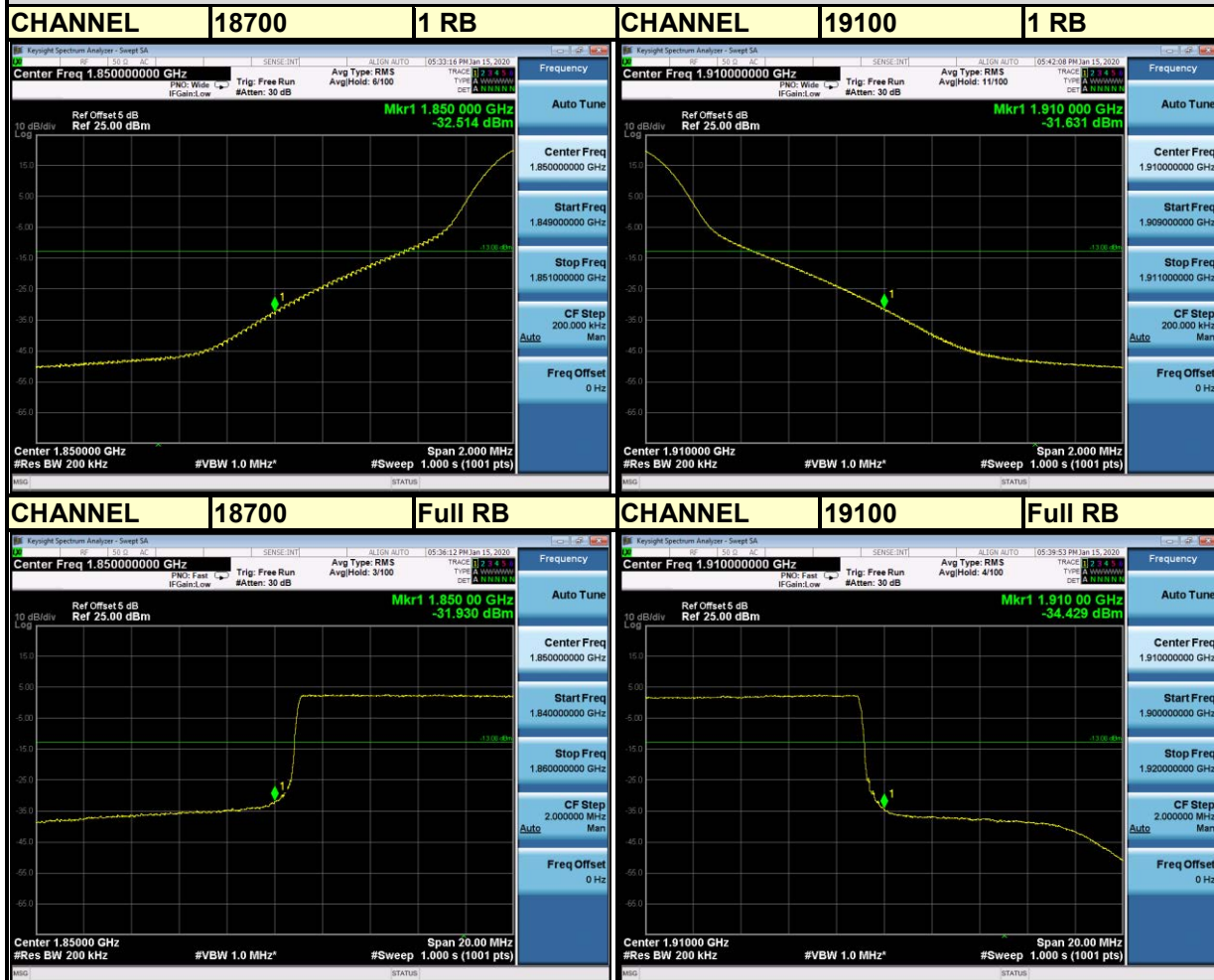




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Test Report No.: RF200106W008-5

Channel Bandwidth: 20MHz 64QAM





3.5 CONDUCTED SPURIOUS EMISSIONS

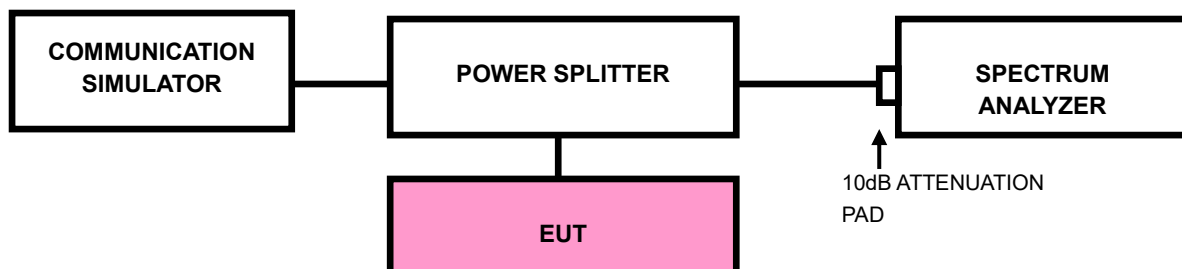
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

3.5.2 TEST PROCEDURE

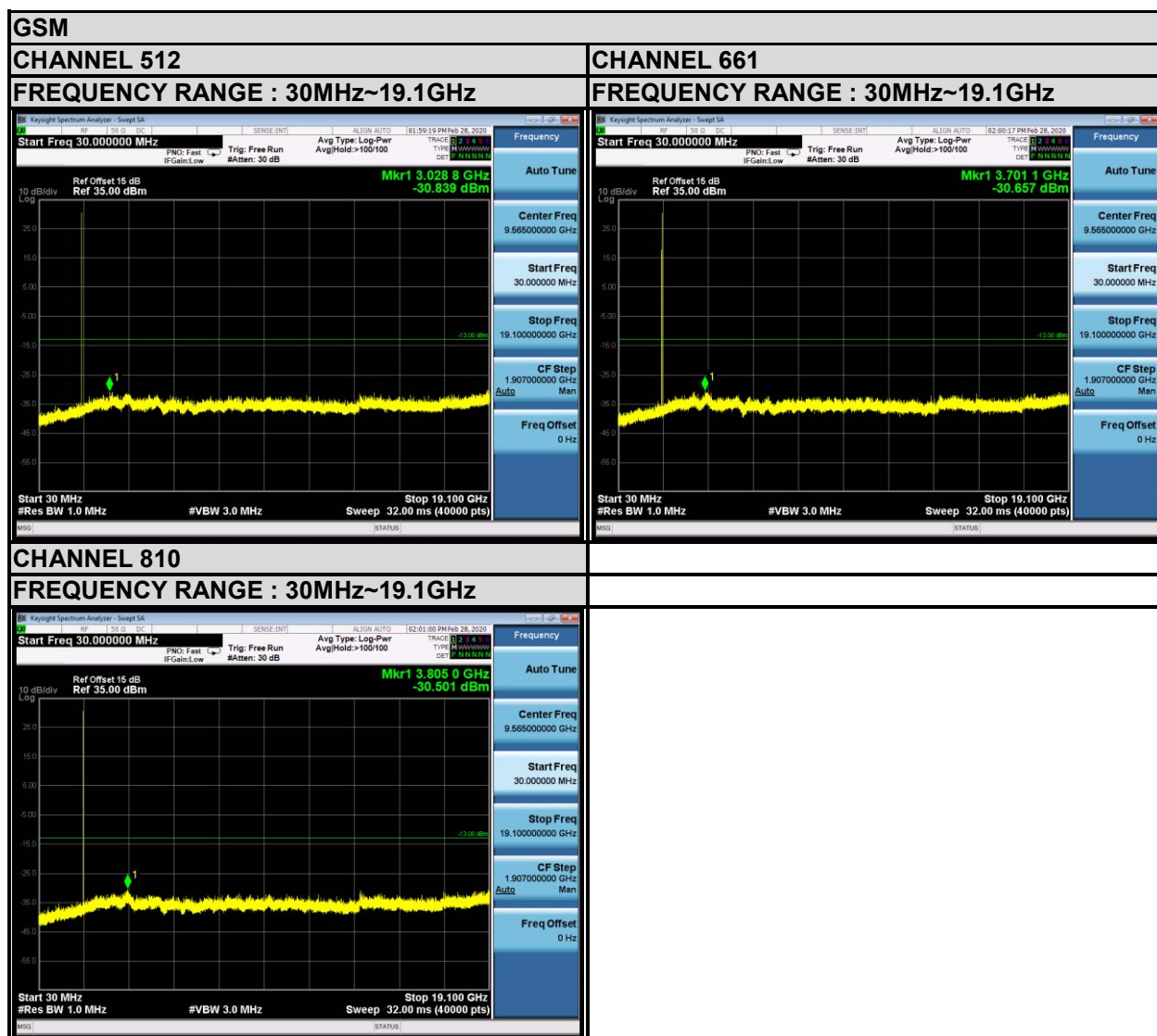
- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- b. Measuring frequency range is from 30 MHz to 19.1GHz. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP





3.5.4 TEST RESULTS





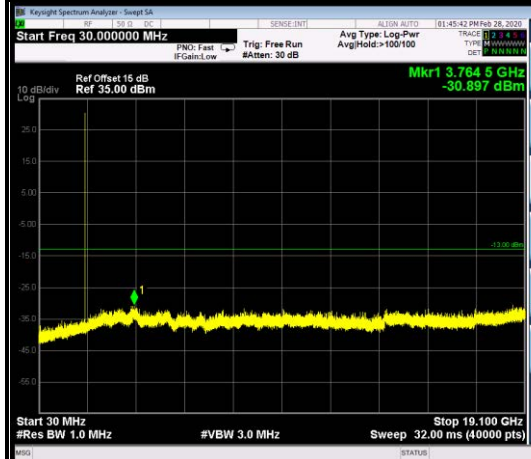
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Test Report No.: RF200106W008-5

EDGE

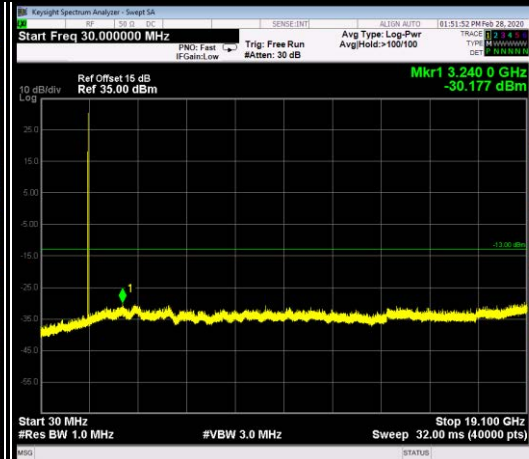
CHANNEL 512

FREQUENCY RANGE : 30MHz~19.1GHz



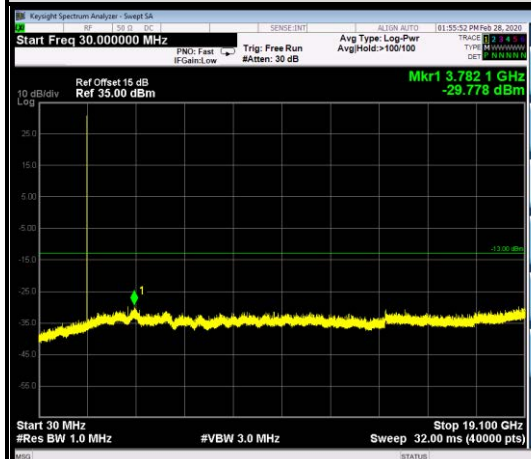
CHANNEL 661

FREQUENCY RANGE : 30MHz~19.1GHz



CHANNEL 810

FREQUENCY RANGE : 30MHz~19.1GHz





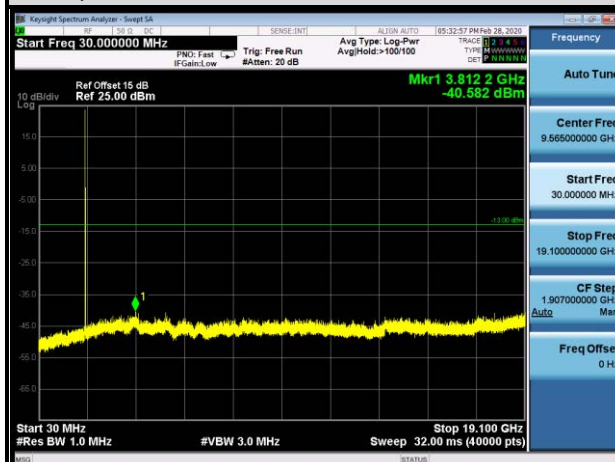
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Test Report No.: RF200106W008-5

WCDMA

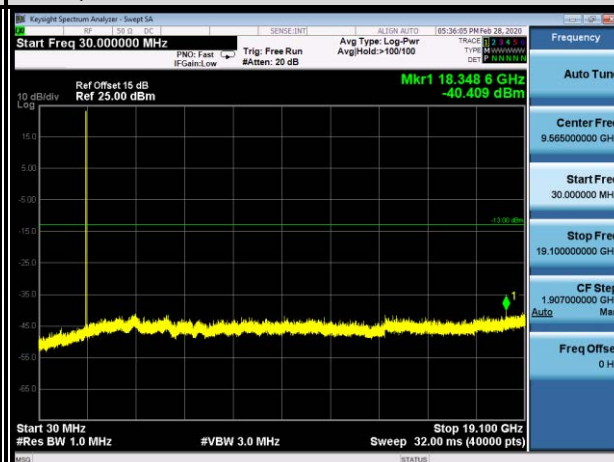
CHANNEL 9262

FREQUENCY RANGE : 30MHz~19.1GHz



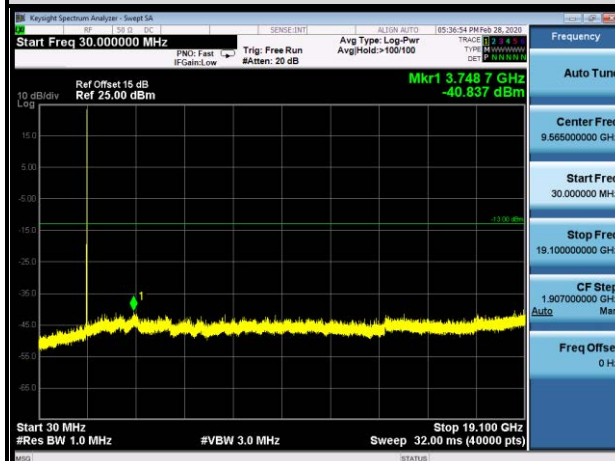
CHANNEL 9400

FREQUENCY RANGE : 30MHz~19.1GHz



CHANNEL 9538

FREQUENCY RANGE : 30MHz~19.1GHz





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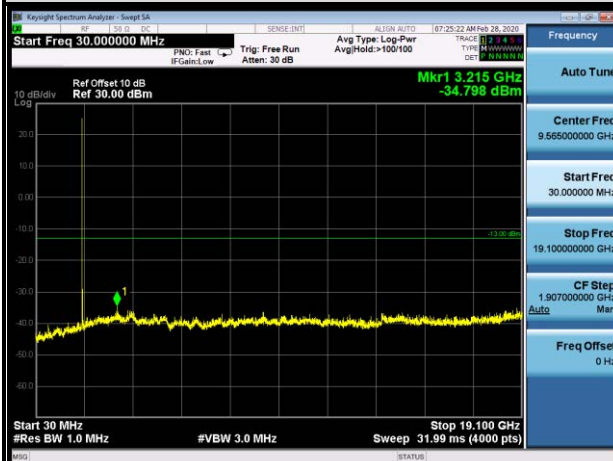
Test Report No.: RF200106W008-5

LTE BAND 2

1.4MHz / QPSK

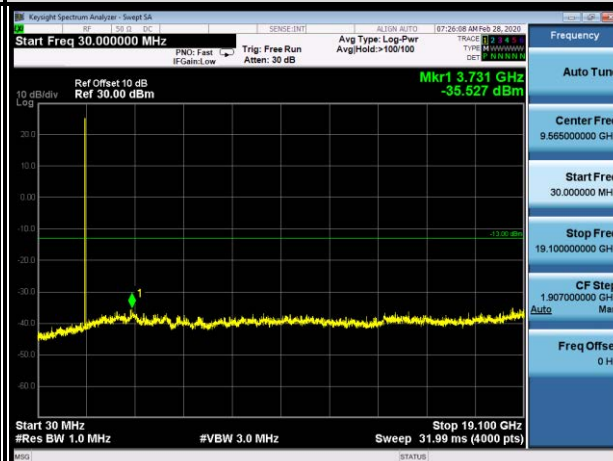
CHANNEL 18607

FREQUENCY RANGE : 30MHz~19.1GHz



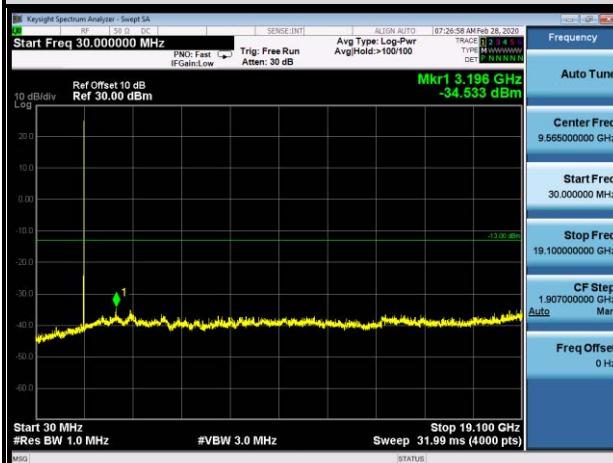
CHANNEL 18900

FREQUENCY RANGE : 30MHz~19.1GHz



CHANNEL 19193

FREQUENCY RANGE : 30MHz~19.1GHz





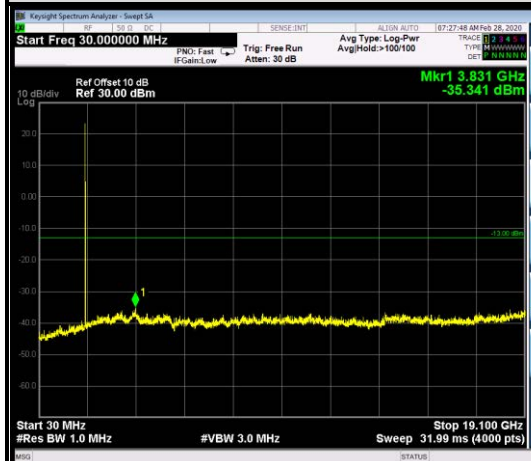
BUREAU
VERITAS

Test Report No.: RF200106W008-5

3MHz / QPSK

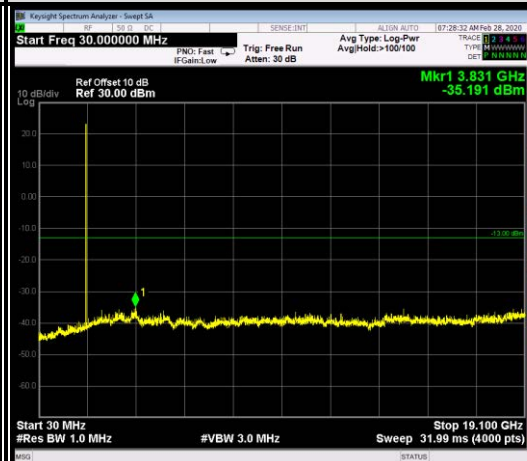
CHANNEL 18615

FREQUENCY RANGE : 30MHz~19.1GHz



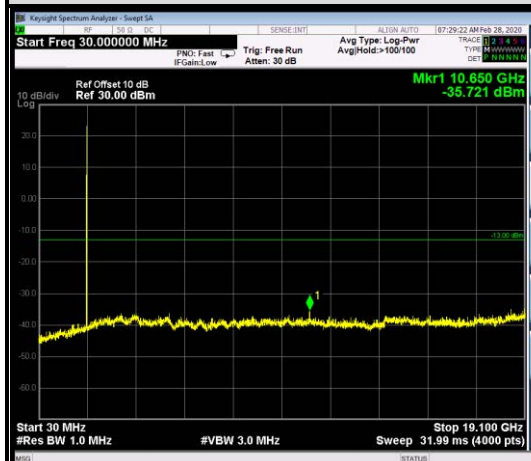
CHANNEL 18900

FREQUENCY RANGE : 30MHz~19.1GHz



CHANNEL 19185

FREQUENCY RANGE : 30MHz~19.1GHz





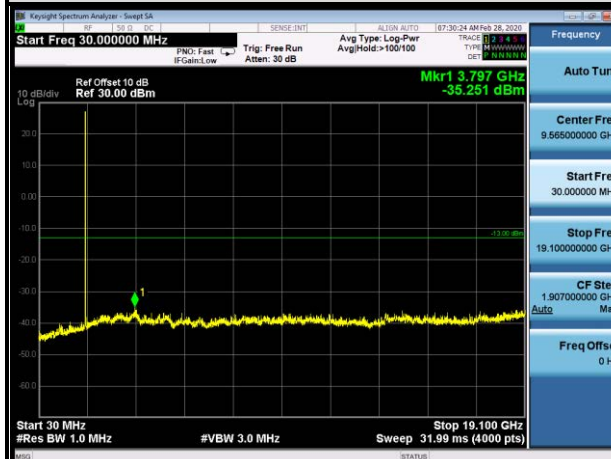
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VERITAS

Test Report No.: RF200106W008-5

5MHz / QPSK

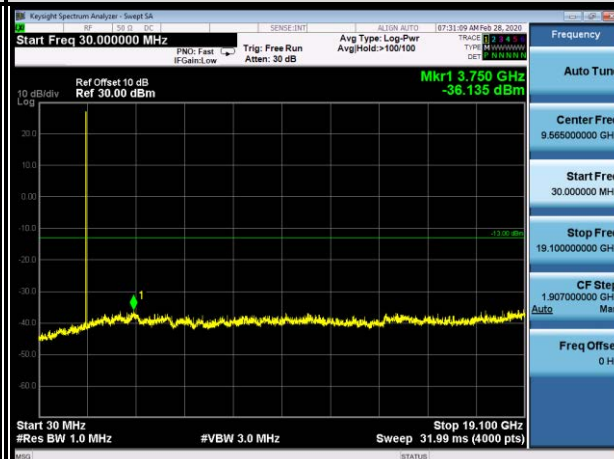
CHANNEL 18625

FREQUENCY RANGE : 30MHz~19.1GHz



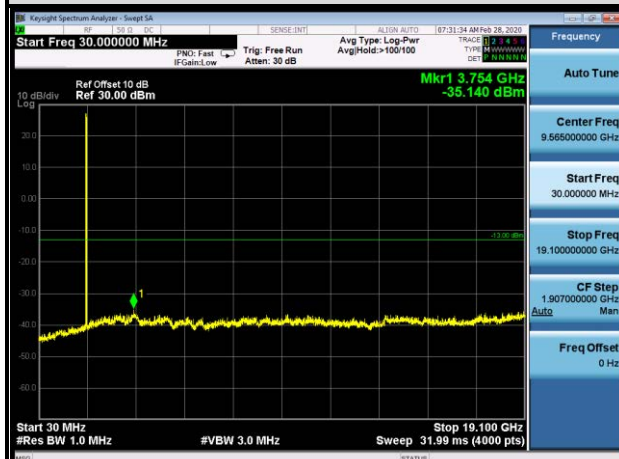
CHANNEL 18900

FREQUENCY RANGE : 30MHz~19.1GHz



CHANNEL 19175

FREQUENCY RANGE : 30MHz~19.1GHz





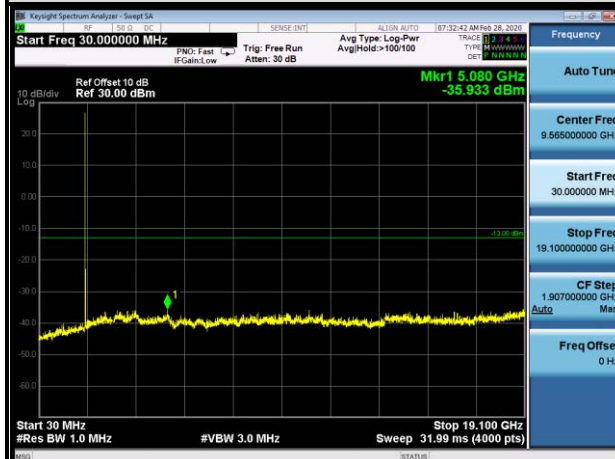
BUREAU
VERITAS

Test Report No.: RF200106W008-5

10MHz / QPSK

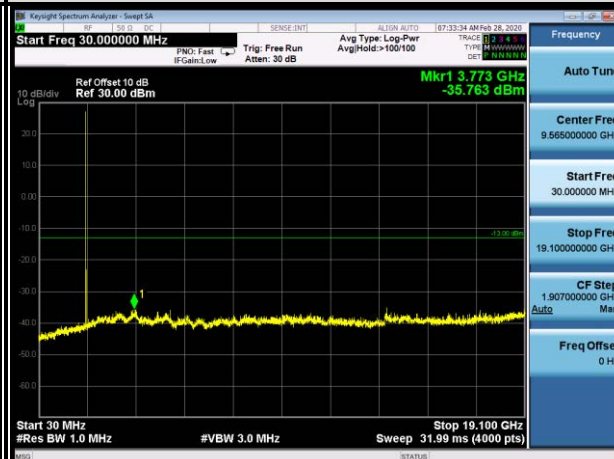
CHANNEL 18650

FREQUENCY RANGE : 30MHz~19.1GHz



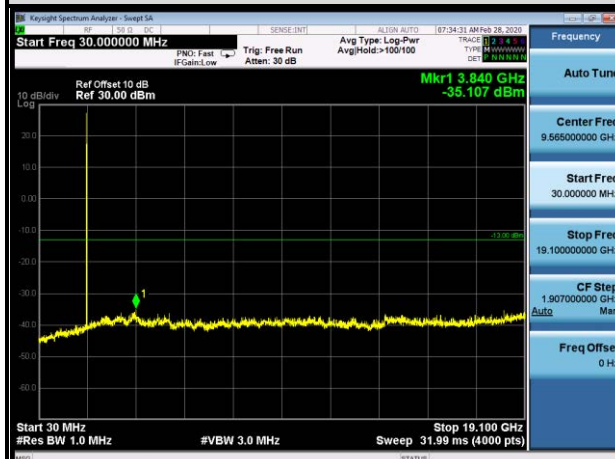
CHANNEL 18900

FREQUENCY RANGE : 30MHz~19.1GHz



CHANNEL 19150

FREQUENCY RANGE : 30MHz~19.1GHz





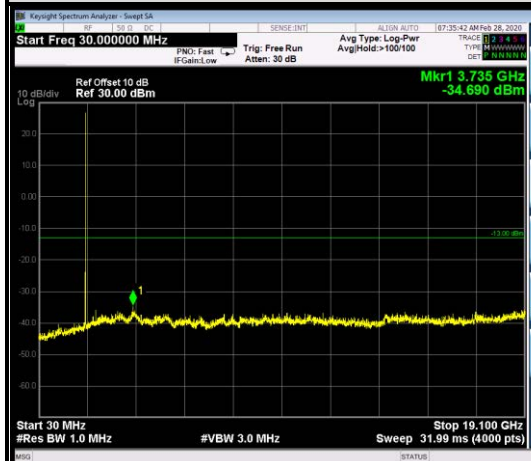
BUREAU
VERITAS

Test Report No.: RF200106W008-5

15MHz / QPSK

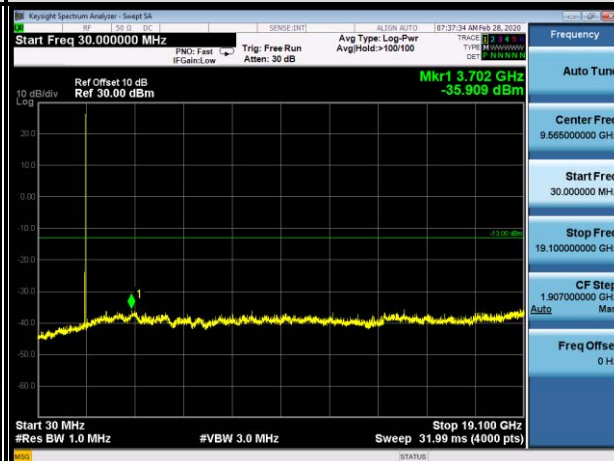
CHANNEL 18675

FREQUENCY RANGE : 30MHz~19.1GHz



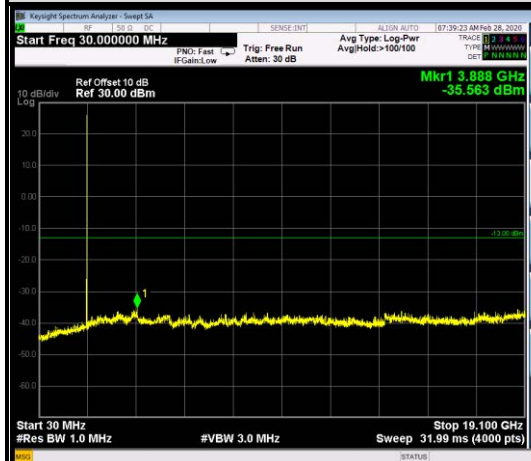
CHANNEL 18900

FREQUENCY RANGE : 30MHz~19.1GHz



CHANNEL 19125

FREQUENCY RANGE : 30MHz~19.1GHz





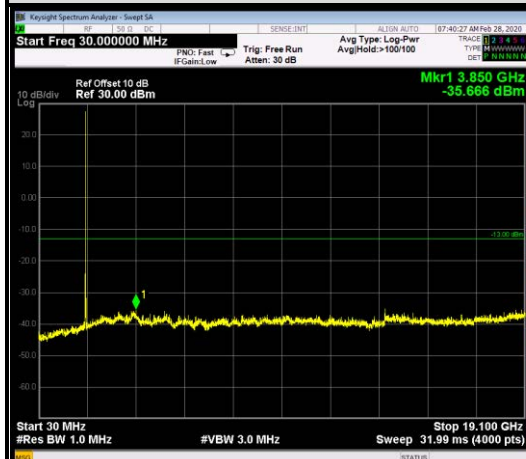
BUREAU
VERITAS

Test Report No.: RF200106W008-5

20MHz / QPSK

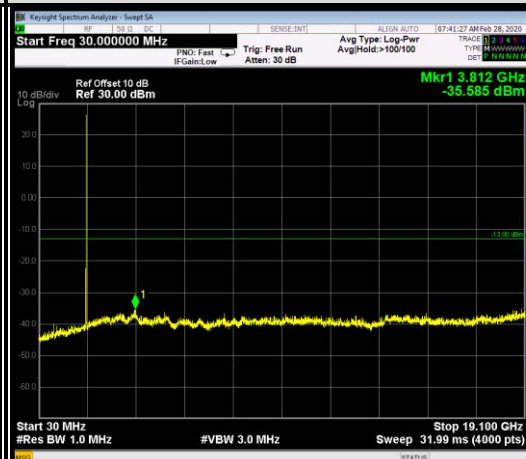
CHANNEL 18700

FREQUENCY RANGE : 30MHz~19.1GHz



CHANNEL 18900

FREQUENCY RANGE : 30MHz~19.1GHz



CHANNEL 19100

FREQUENCY RANGE : 30MHz~19.1GHz

