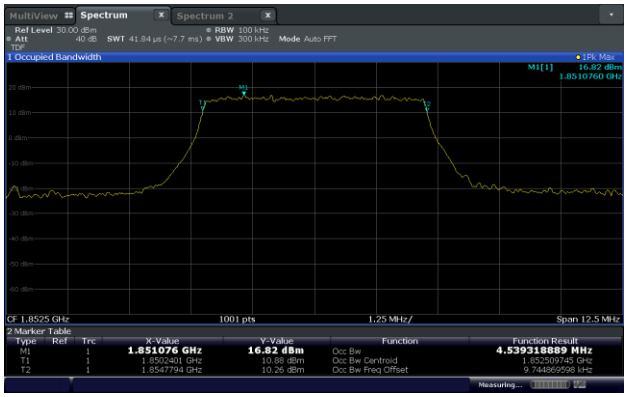
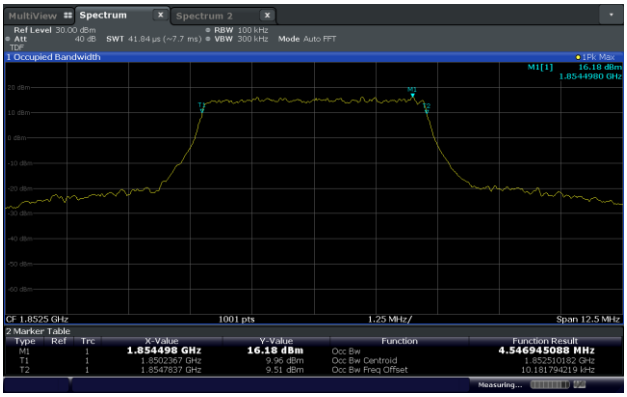
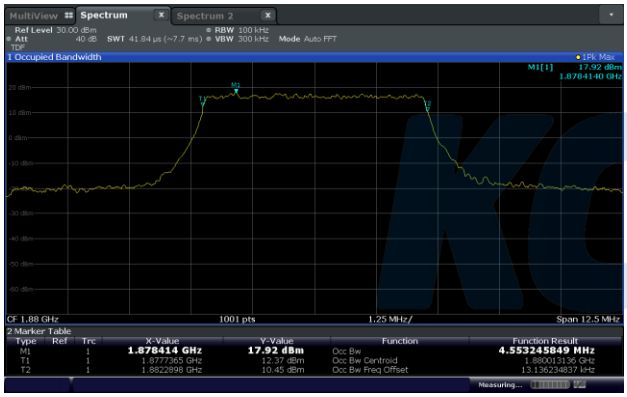
5M BW / QPSK / Low ch.



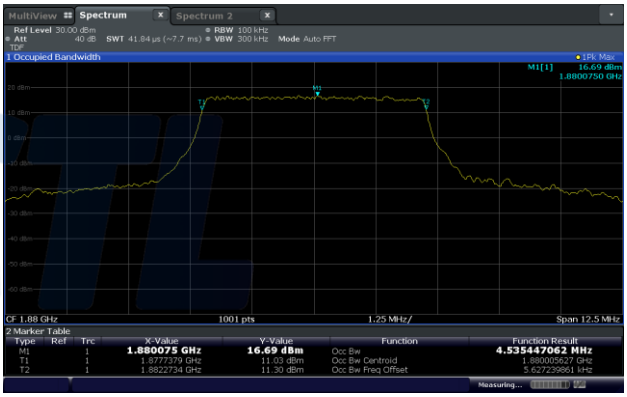
5M BW / 16QAM / Low ch.



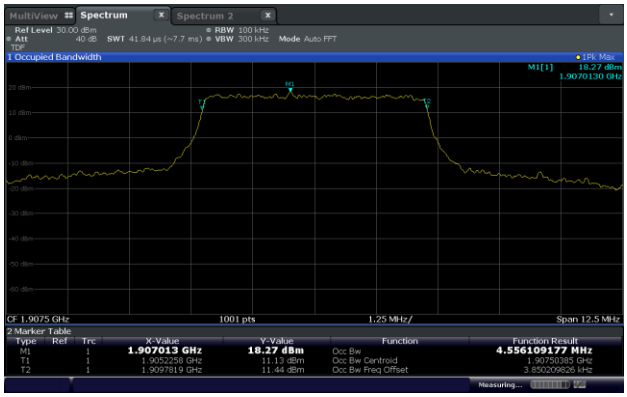
5M BW / QPSK / Mid ch.



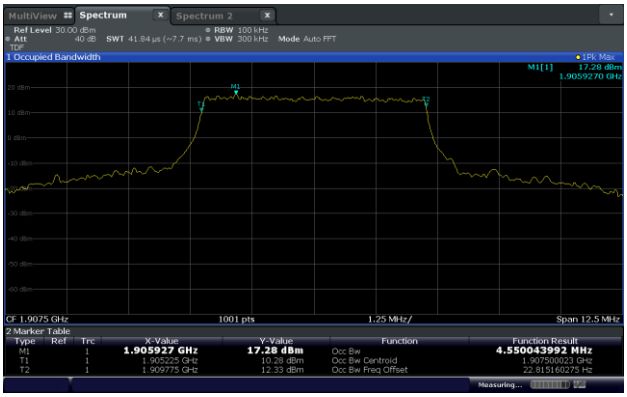
5M BW / 16QAM / Mid ch.



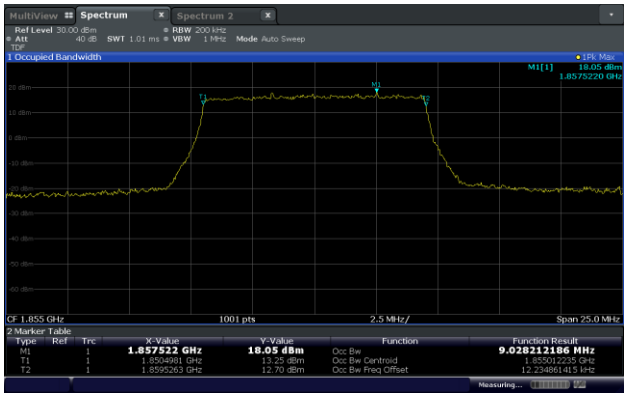
5M BW / QPSK / High ch.



5M BW / 16QAM / High ch.



10M BW / QPSK / Low ch.



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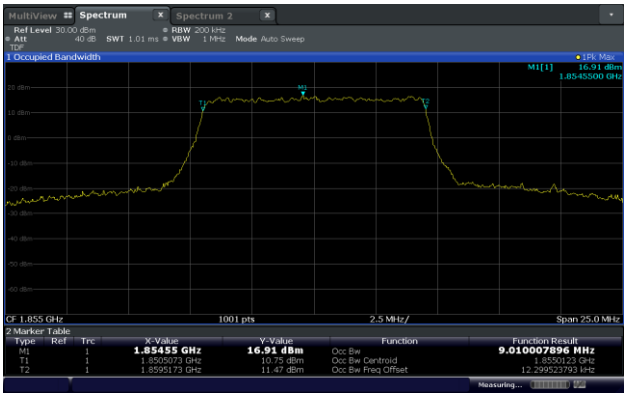

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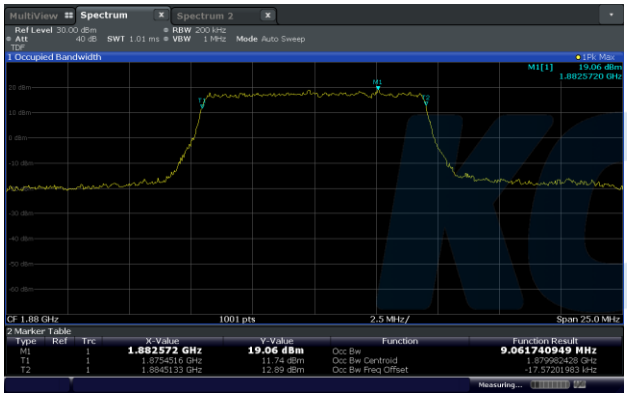

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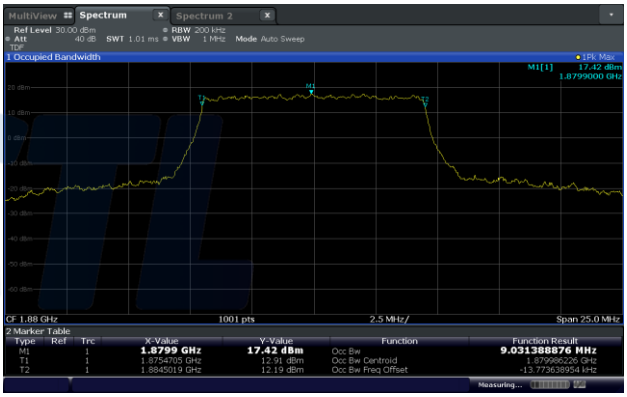

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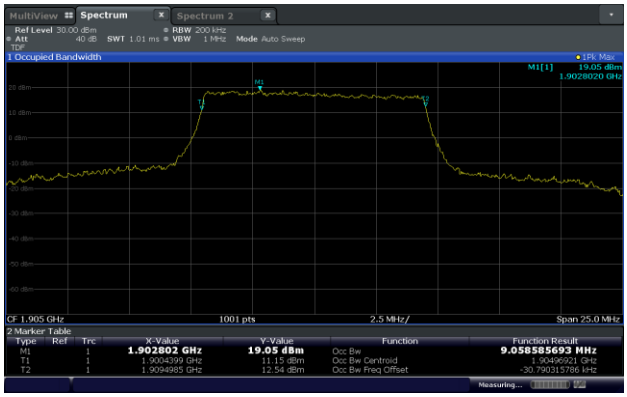

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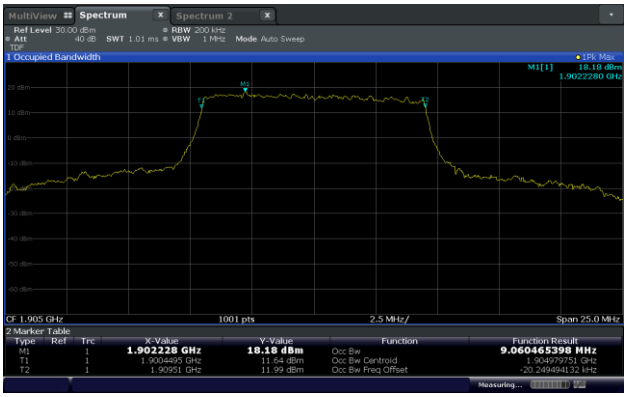
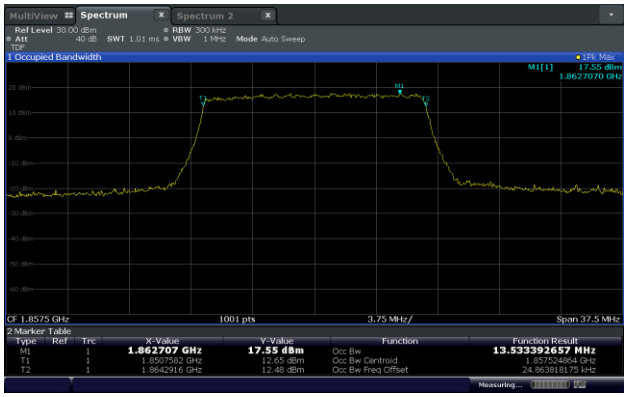
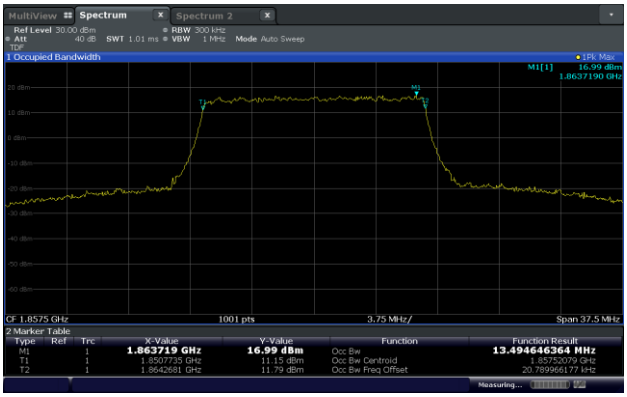


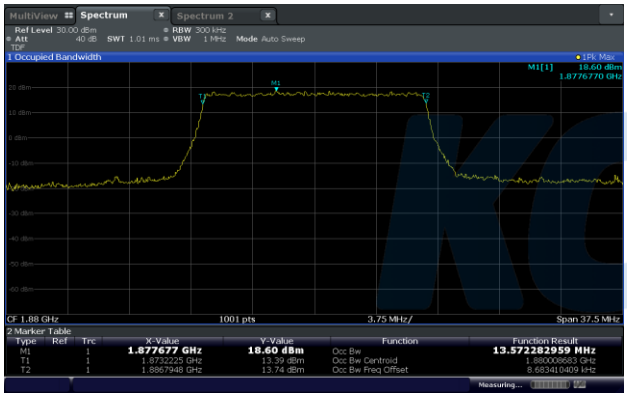
15M BW / QPSK / Low ch.



15M BW / 16QAM / Low ch.



15M BW / QPSK / Mid ch.



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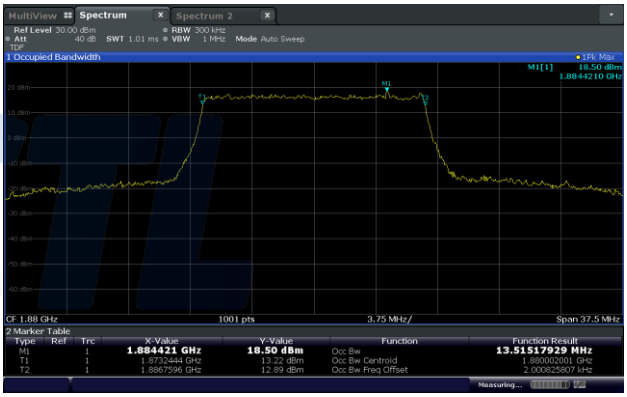
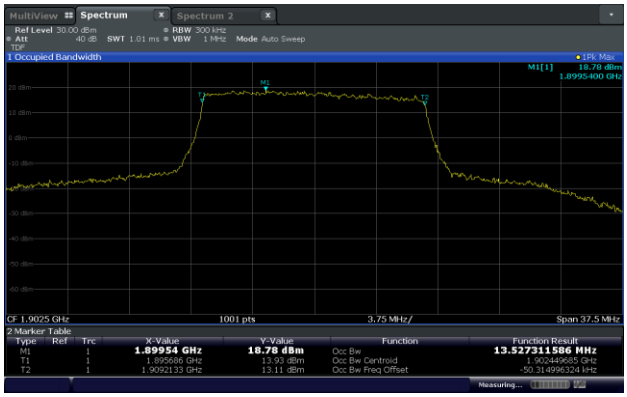


15M BW / QPSK / High ch.



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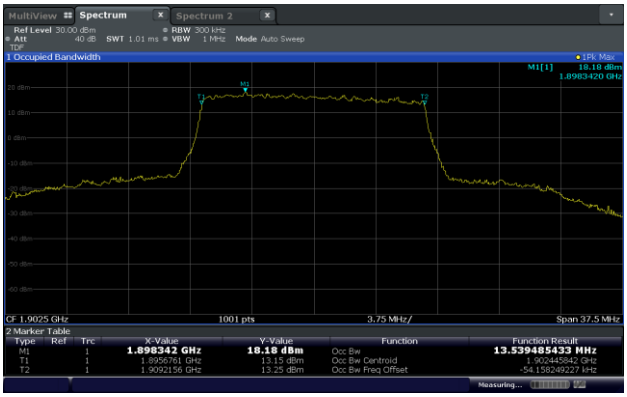
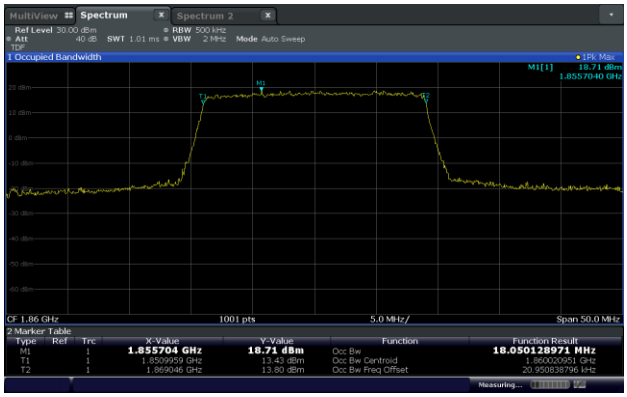


20M BW / QPSK / Low ch.



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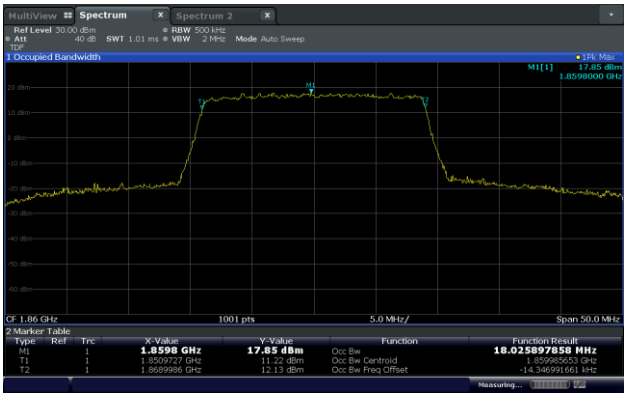
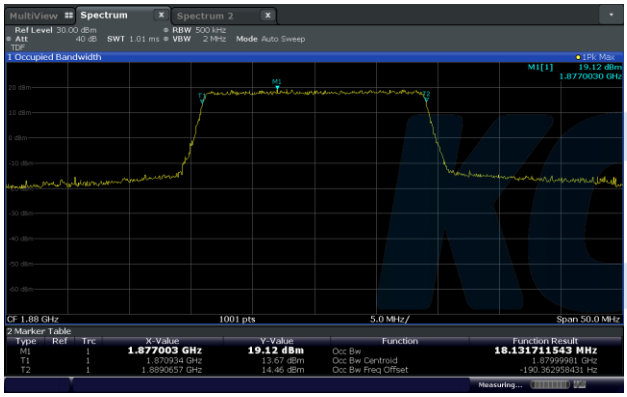


20M BW / QPSK / Mid ch.



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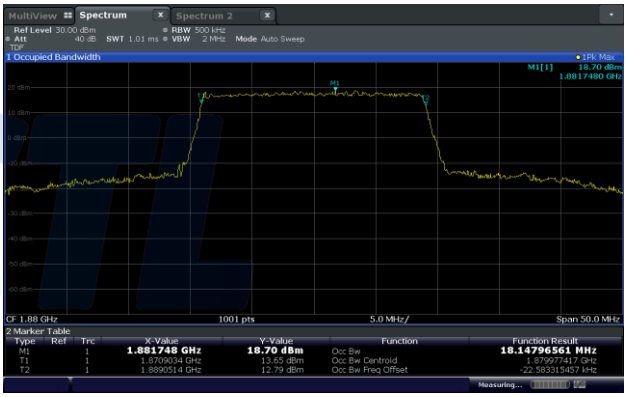
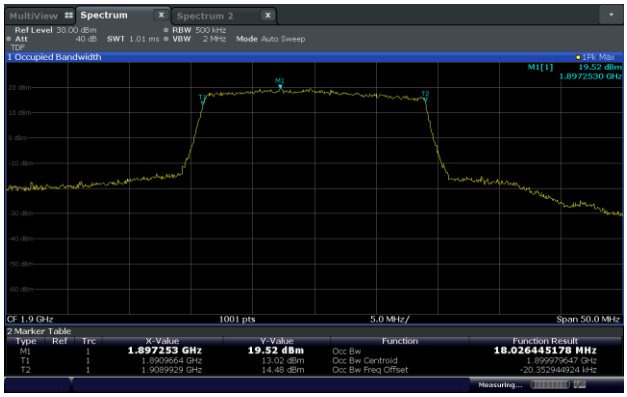


20M BW / QPSK / High ch.



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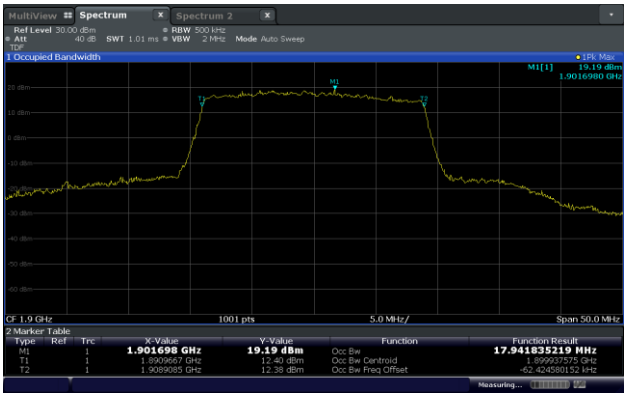
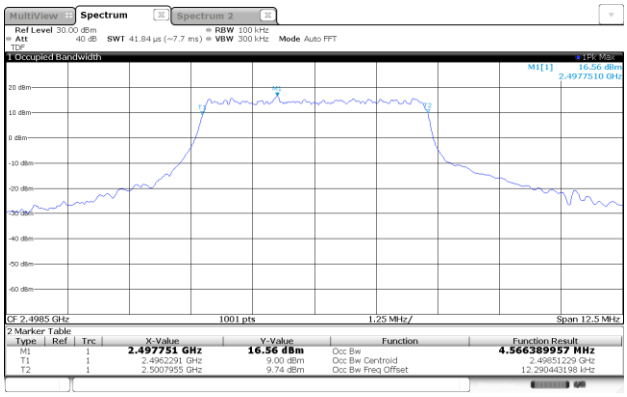
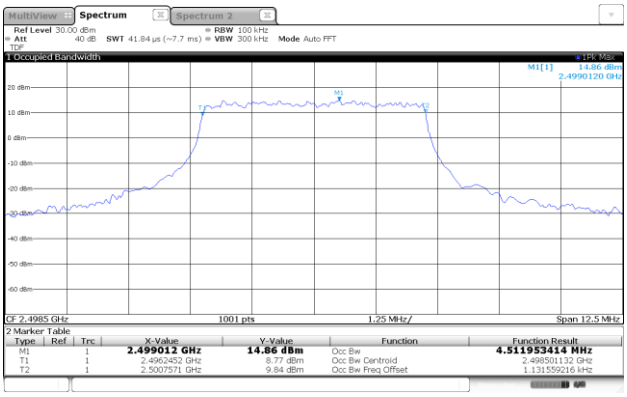


Test mode: LTE Band41

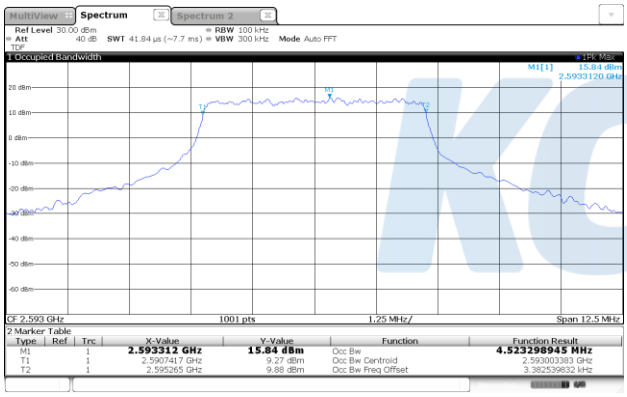
5M BW / QPSK / Low ch.



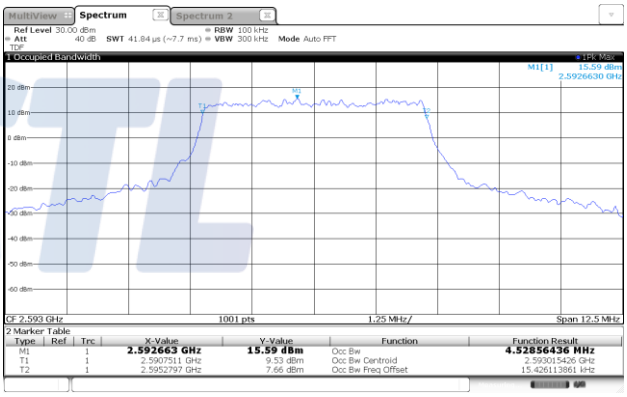
5M BW / 16QAM / Low ch.



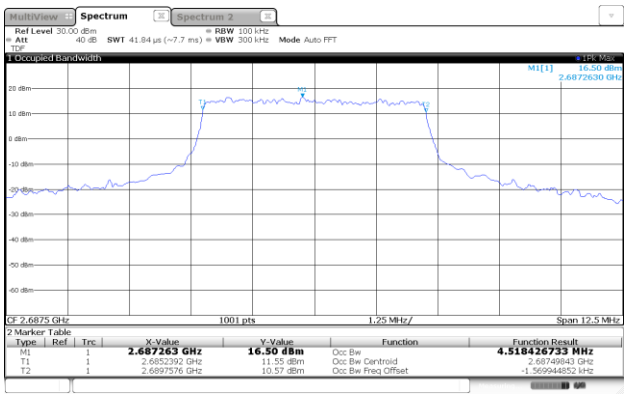
5M BW / QPSK / Mid ch.



5M BW / 16QAM / Mid ch.



5M BW / QPSK / High ch.



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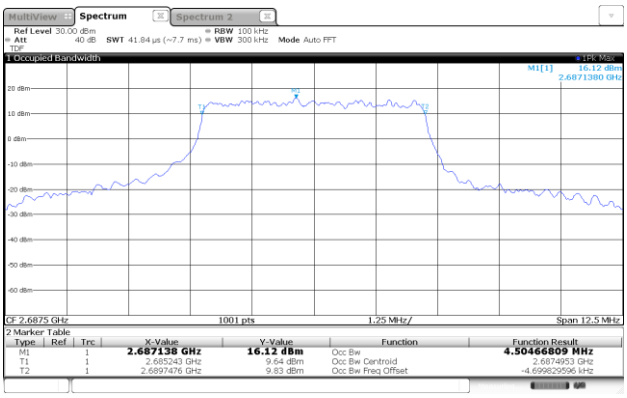
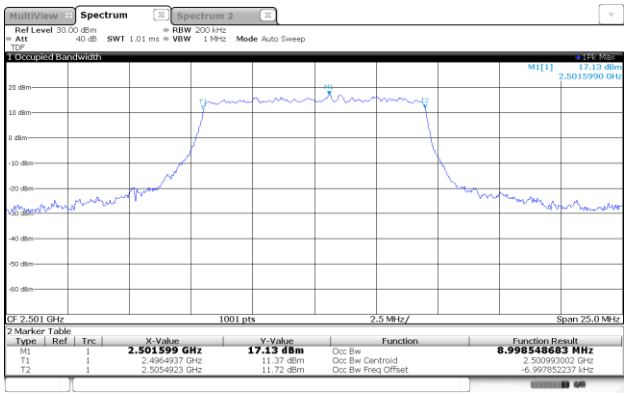
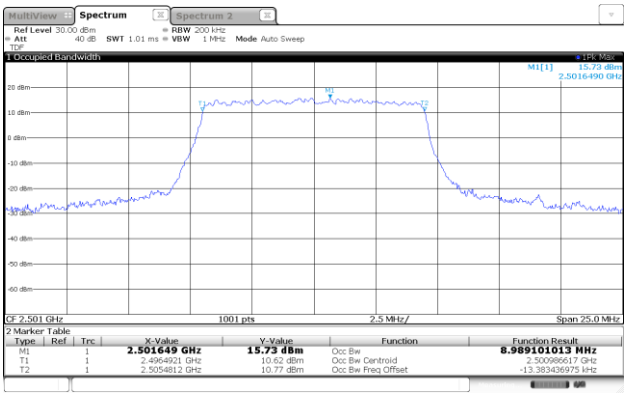


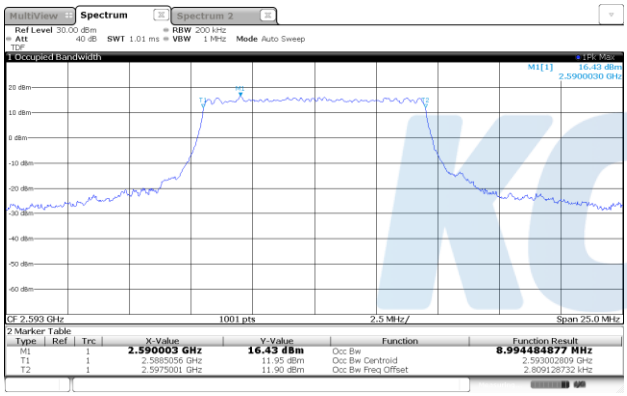
10M BW / QPSK / Low ch.



10M BW / 16QAM / Low ch.



10M BW / QPSK / Mid ch.



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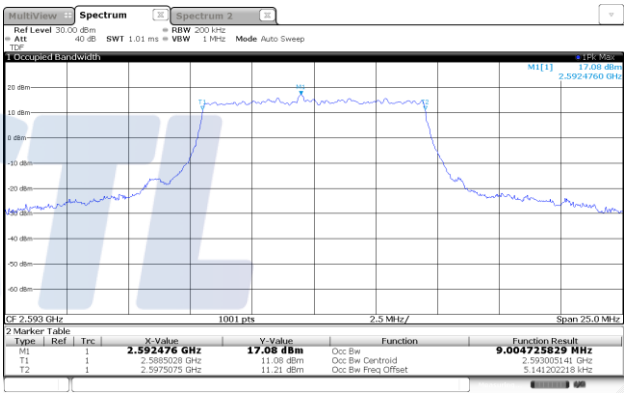
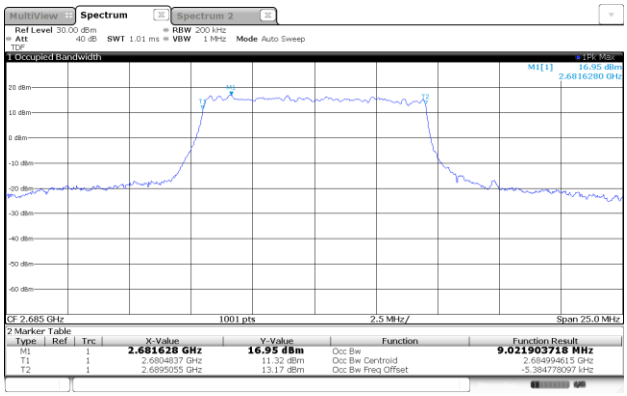


10M BW / QPSK / High ch.



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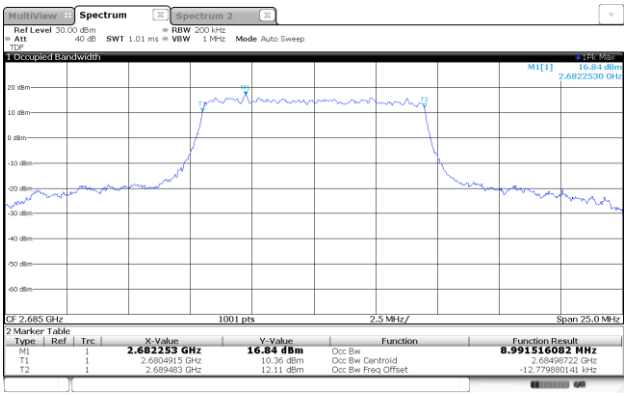
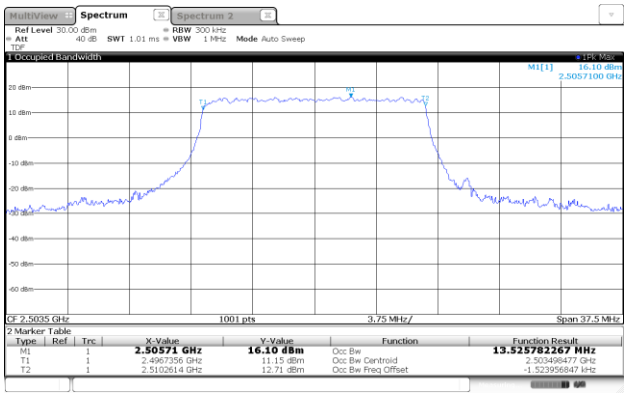


15M BW / QPSK / Low ch.



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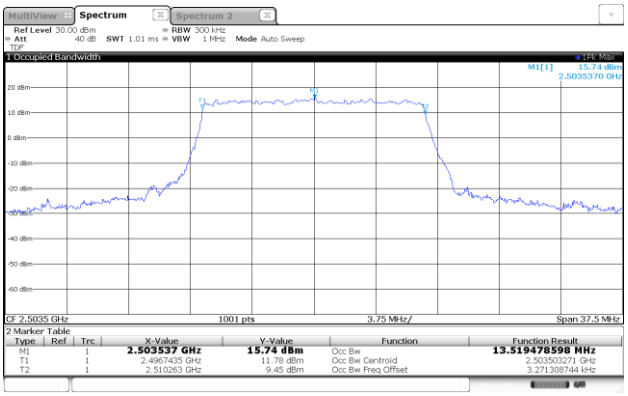
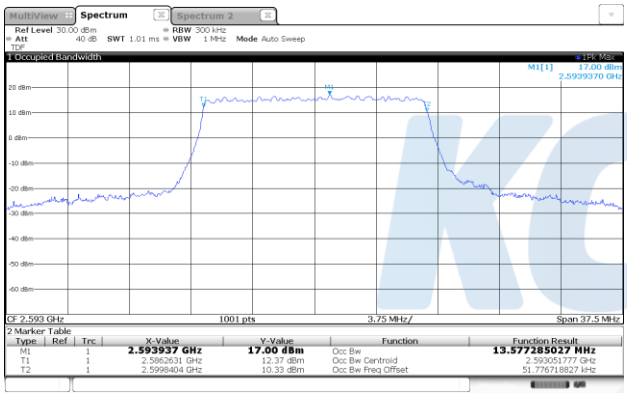


15M BW / QPSK / Mid ch.



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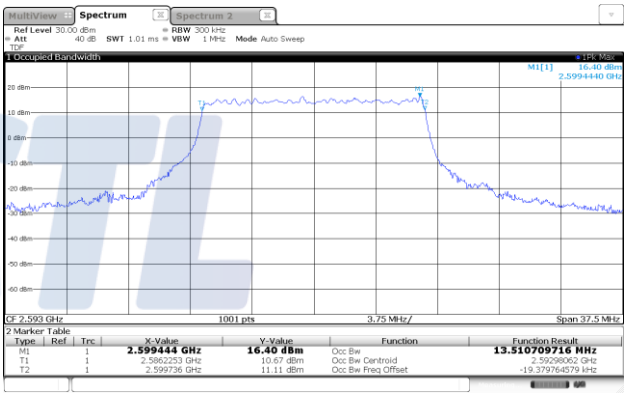

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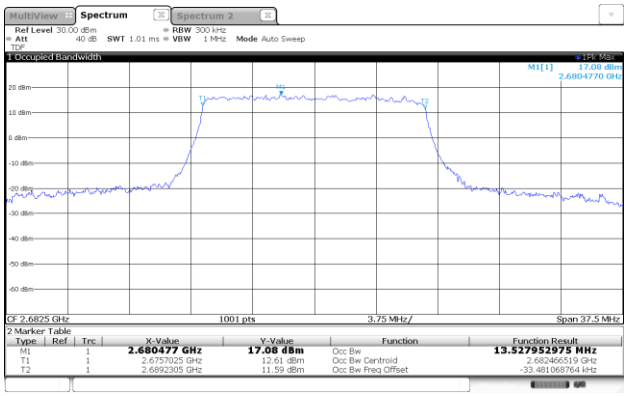

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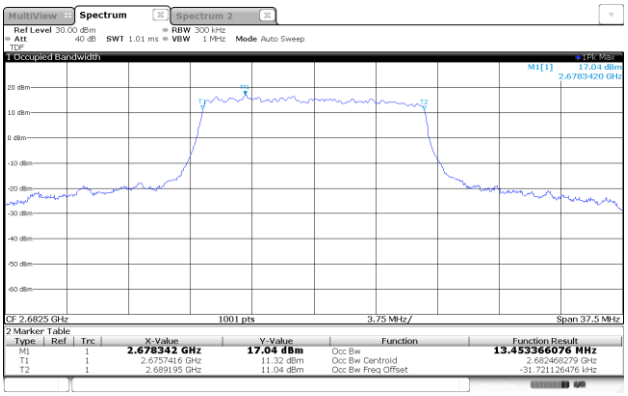
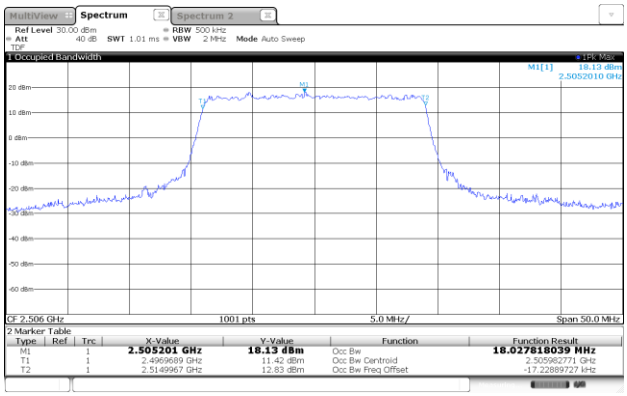
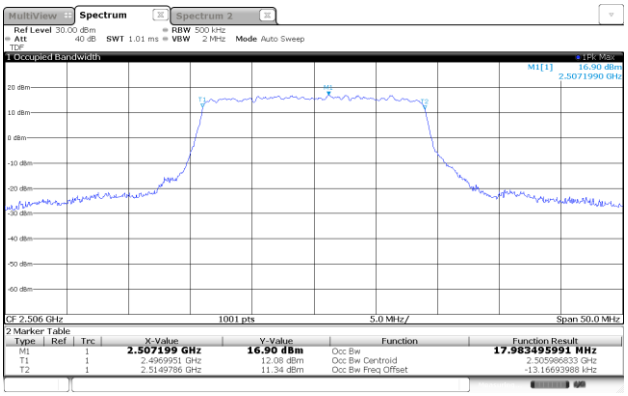


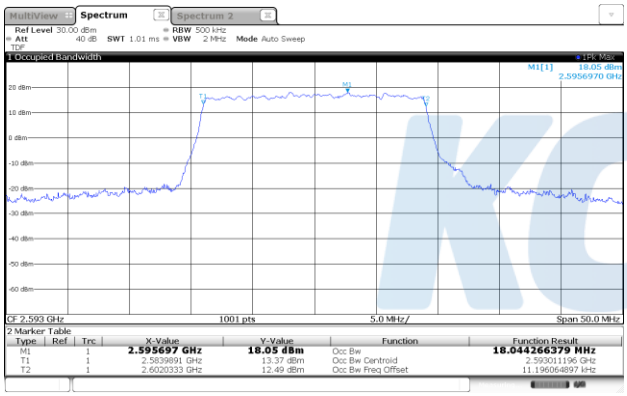
20M BW / QPSK / Low ch.



20M BW / 16QAM / Low ch.



20M BW / QPSK / Mid ch.



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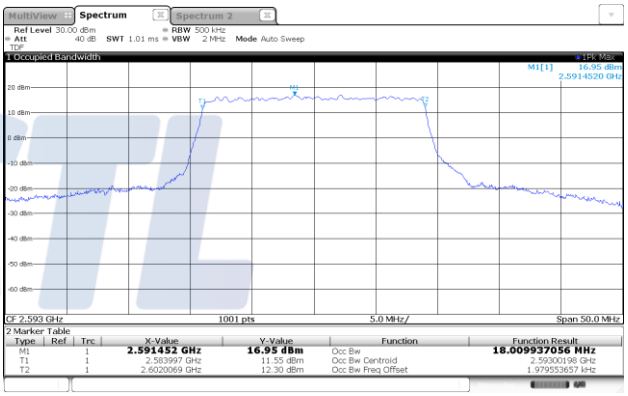
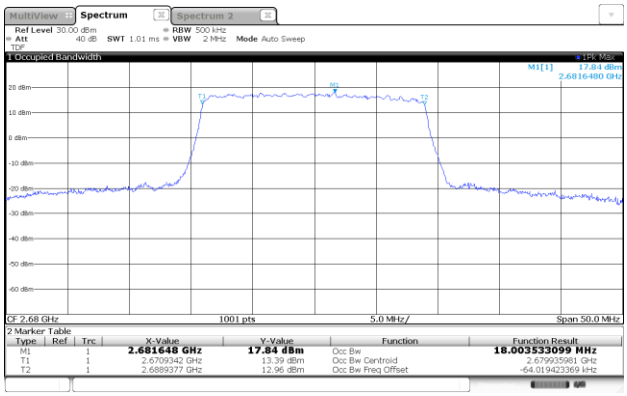
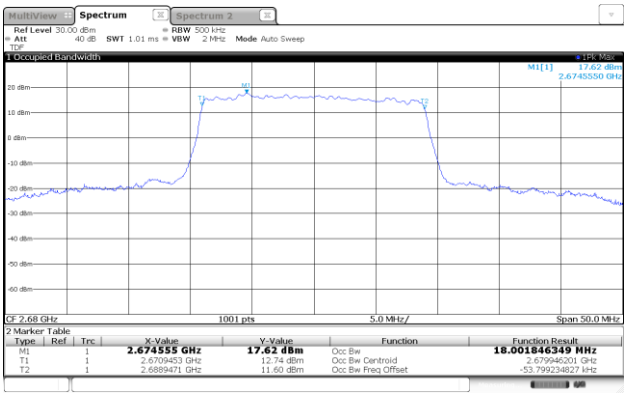


20M BW / QPSK / High ch.

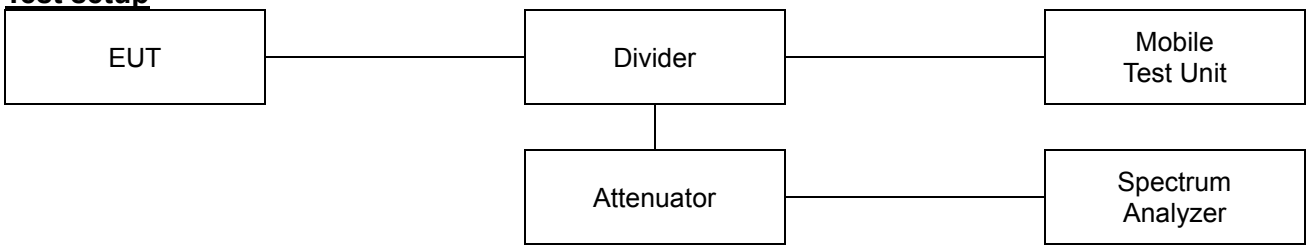


20M BW / 16QAM / High ch.



7.2. Spurious Emissions at Antenna Terminal

Test setup



Limit

According to §22.917(a), §24.238(a), 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 + 10log($P_{[Watts]}$) ㏈.

According to §27.53(m)(4), the minimum permissible attenuation level of any spurious emission is 55 + 10log($P_{[Watts]}$) ㏈.

Test procedure

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ANSI 63.26-2015 – Section 5.7

Test settings

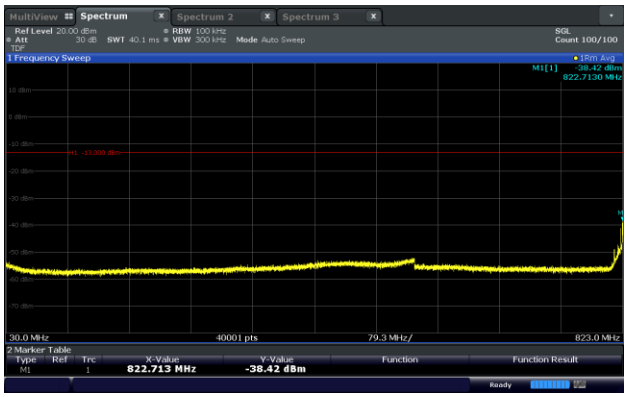
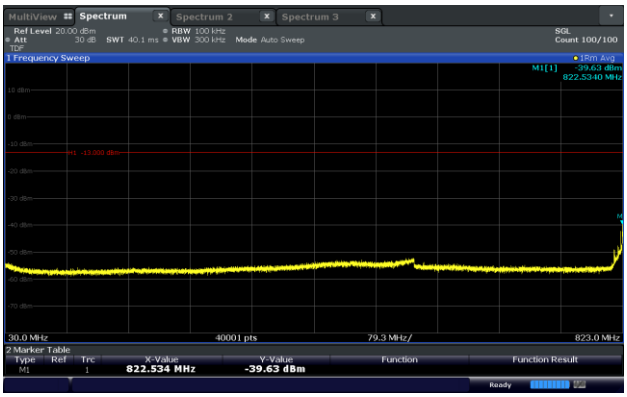
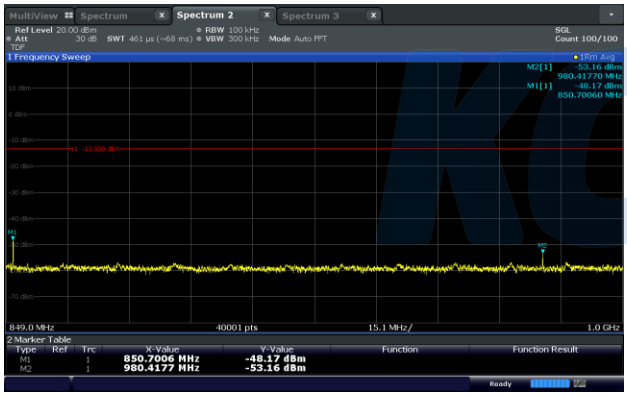
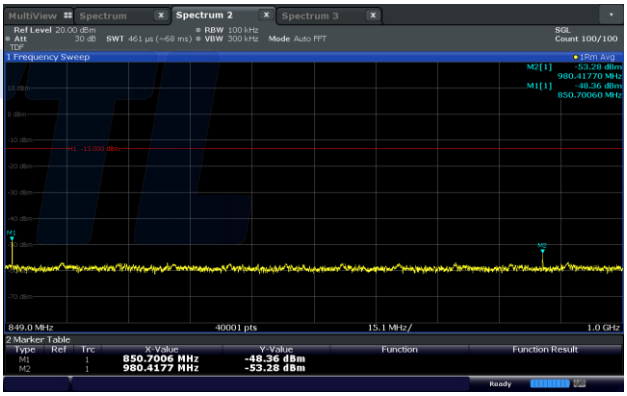
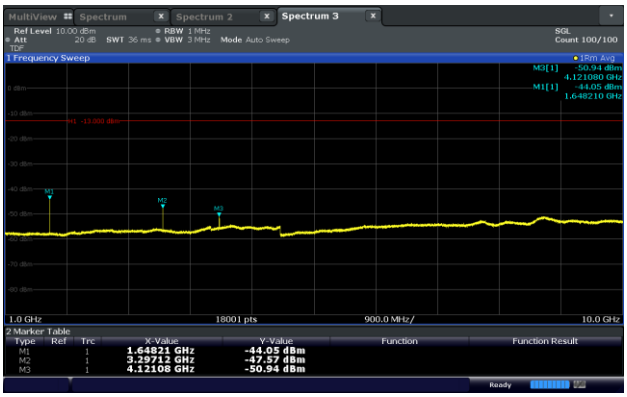
1) Start frequency was set to 30 ㎒ and stop frequency was set to at least 10th the fundamental frequency.
2) Detector = RMS
3) Sweep time = auto couple.
4) Trace mode = trace average
5) Allow trace to fully stabilize.
6) Please see test notes below RBW and VBW settings.

Notes:

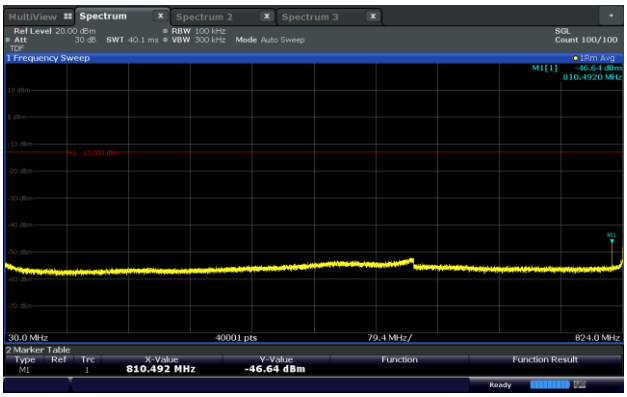
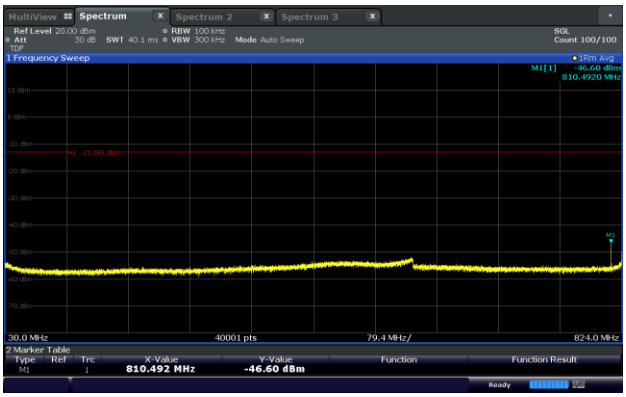
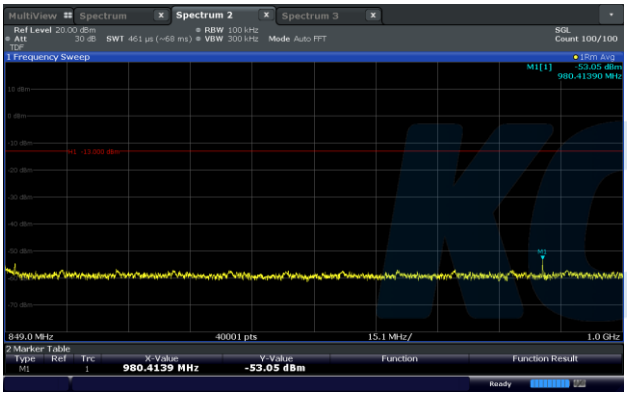
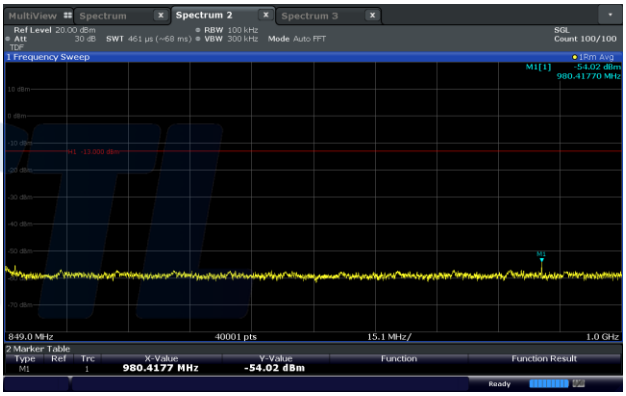
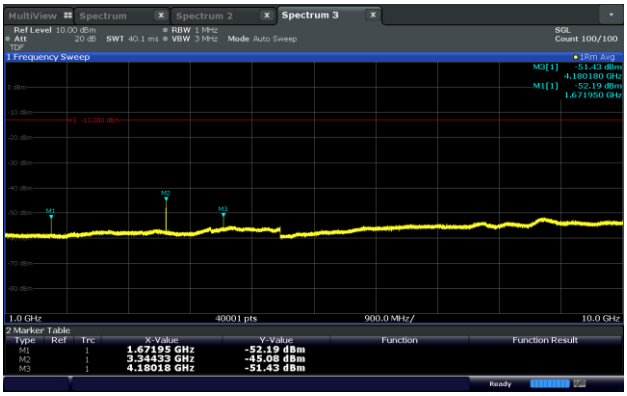
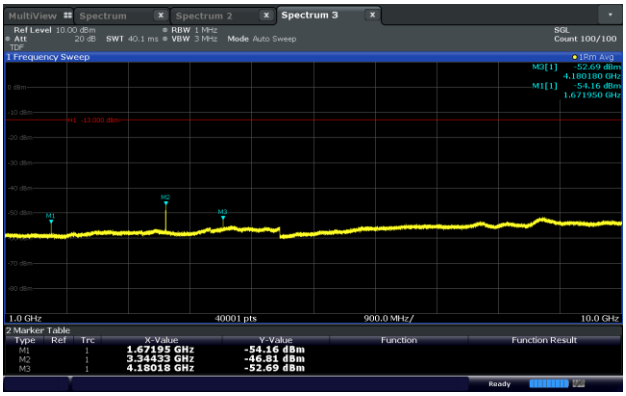
1. Per 22.917(b),24.238(b),27.53(m)(6), compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 ㎑ or greater for frequencies less than 1 ㎓ and 1 ㎒ or greater for frequencies greater than 1 ㎓.
2. All path loss of frequency range was investigated and compensated to spectrum analyzer as TDF function. Please refer to the page 9.

Test results

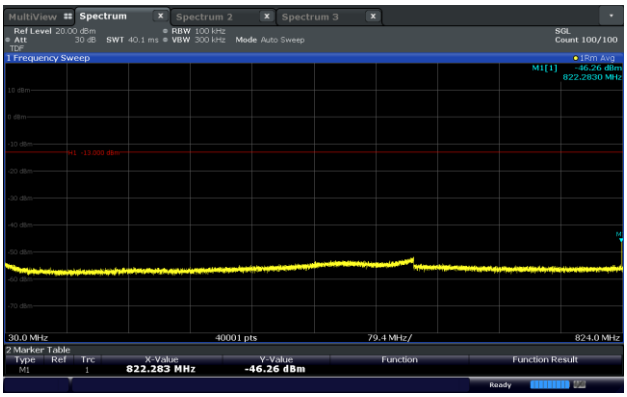
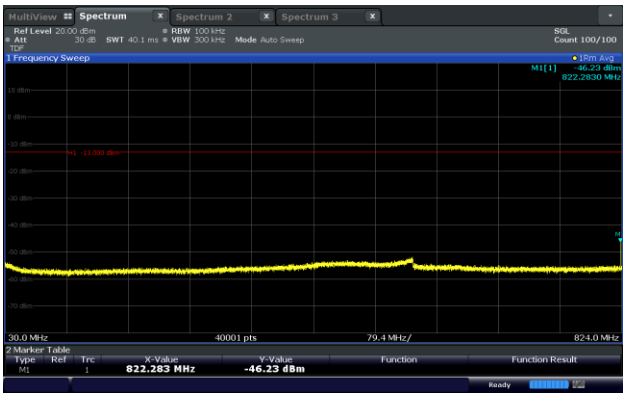
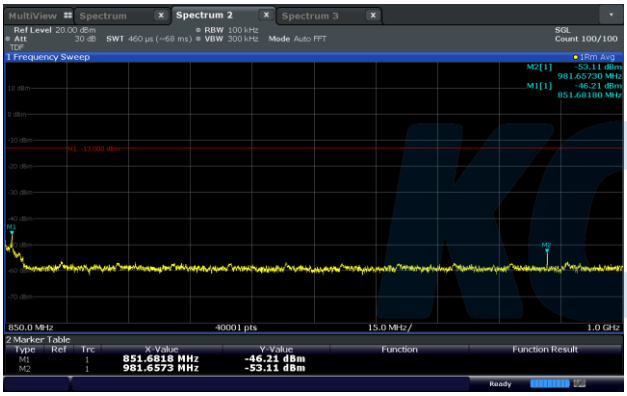
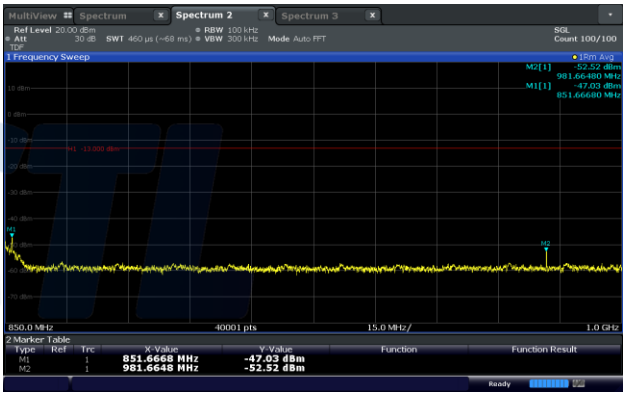
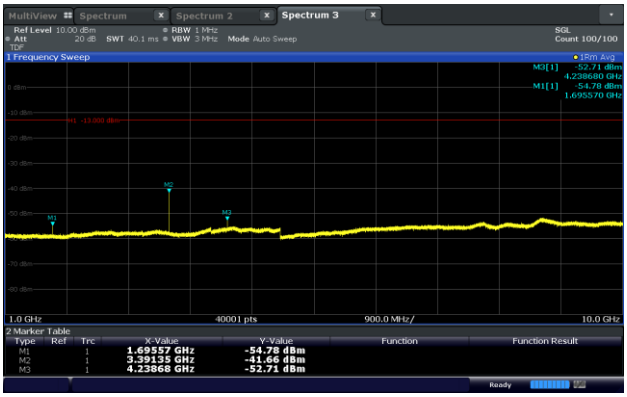
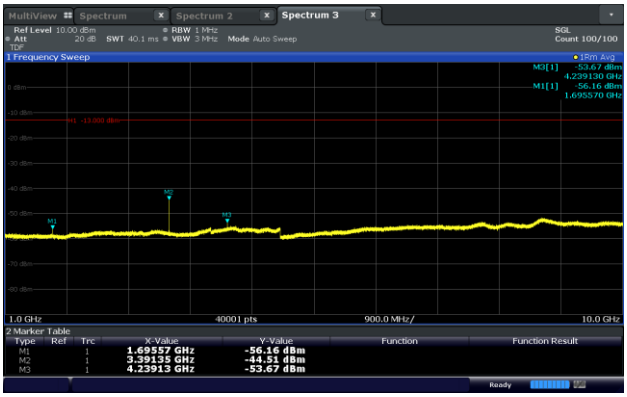
Test mode: LTE Band5

1.4M BW / QPSK / Low ch.	1.4M BW / 16QAM / Low ch.
	
	
	

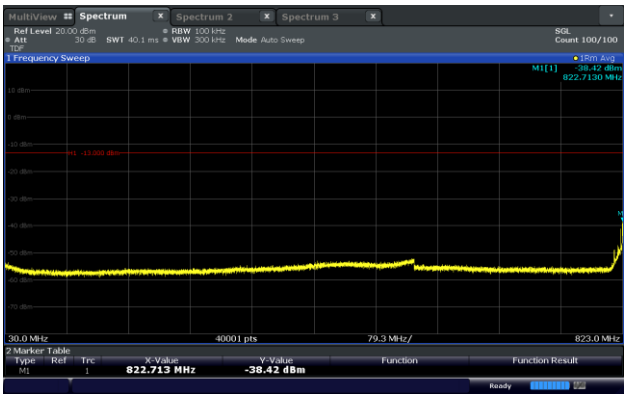
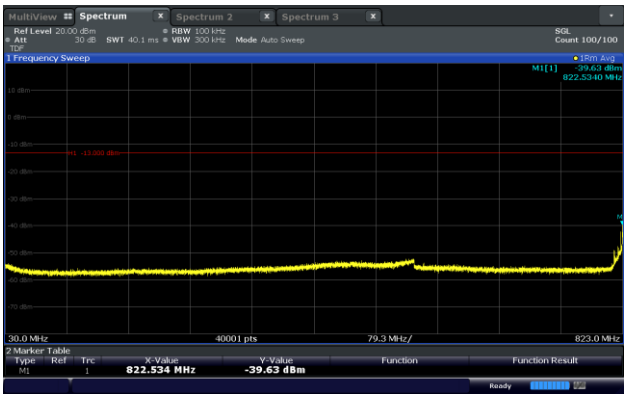
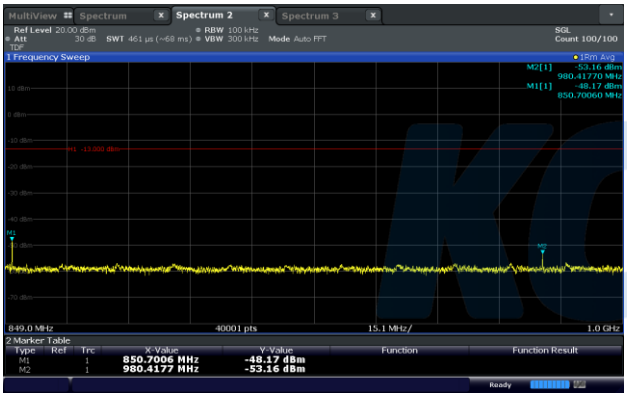
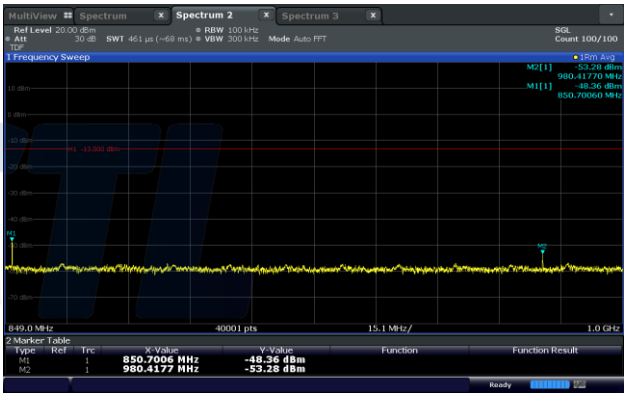
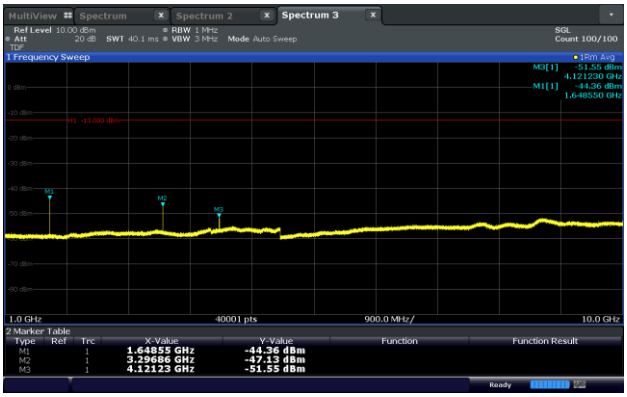
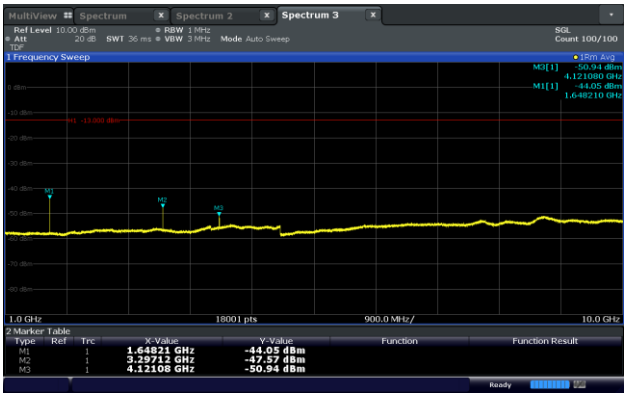
Test mode: LTE Band5

1.4M BW / QPSK / Mid ch.	1.4M BW / 16QAM / Mid ch.
	
	
	

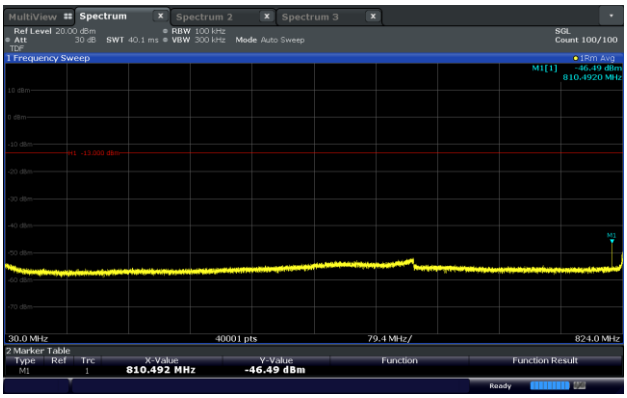
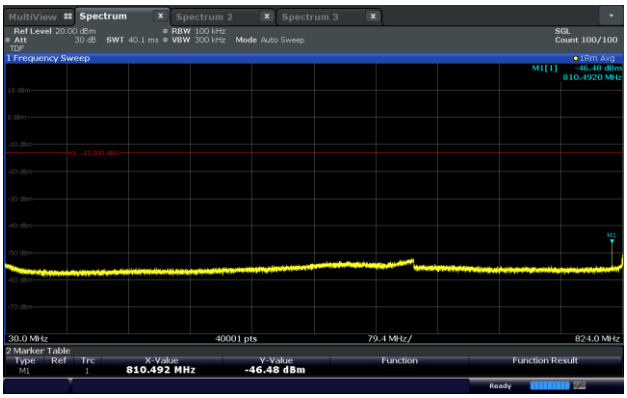
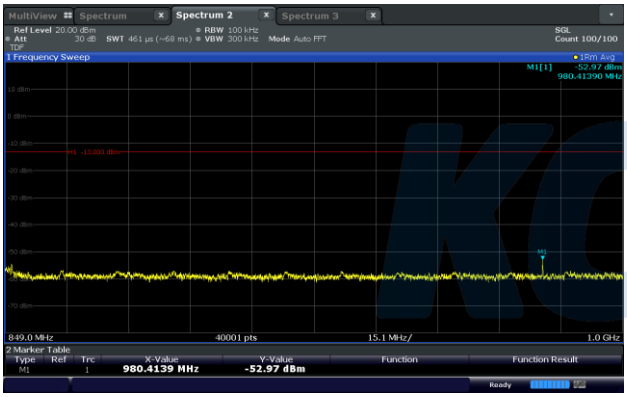
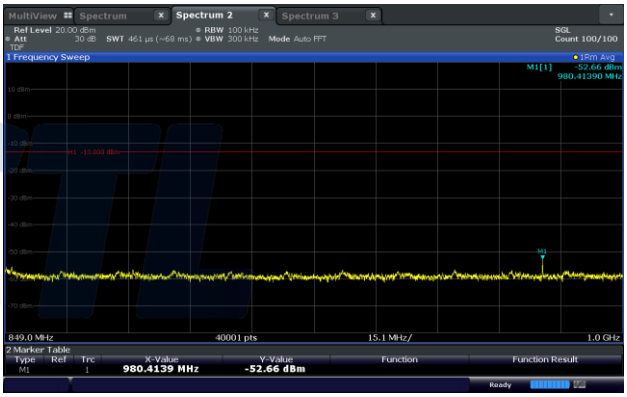
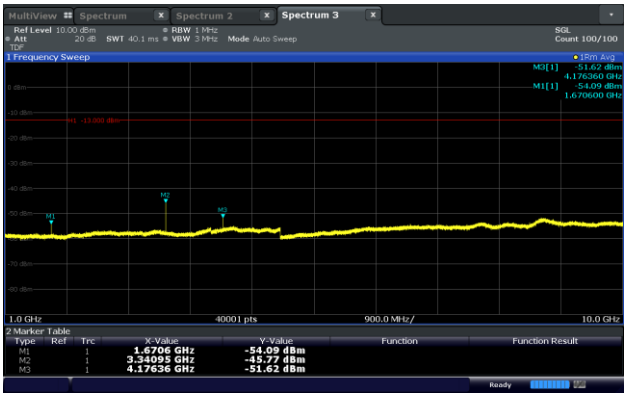
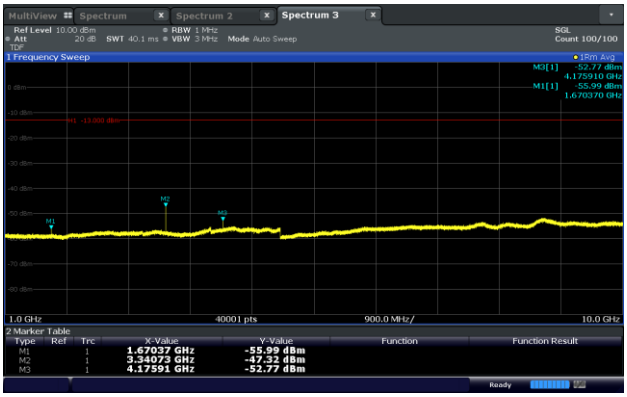
Test mode: LTE Band5

1.4M BW / QPSK / High ch.	1.4M BW / 16QAM / High ch.
	
	
	

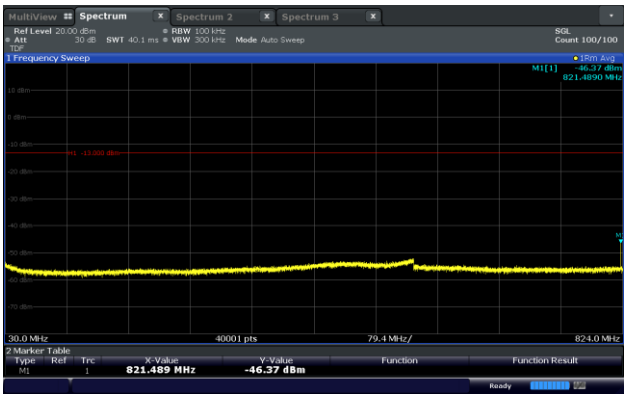
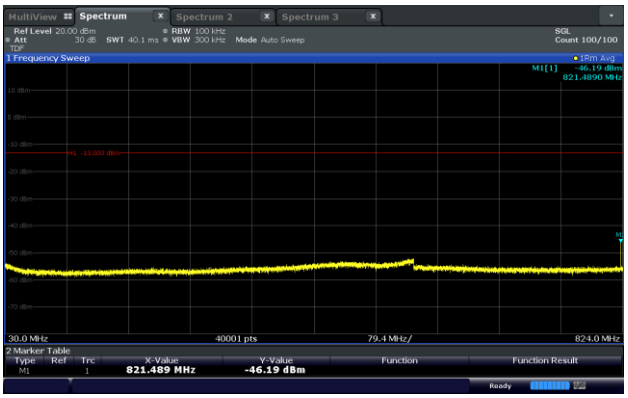
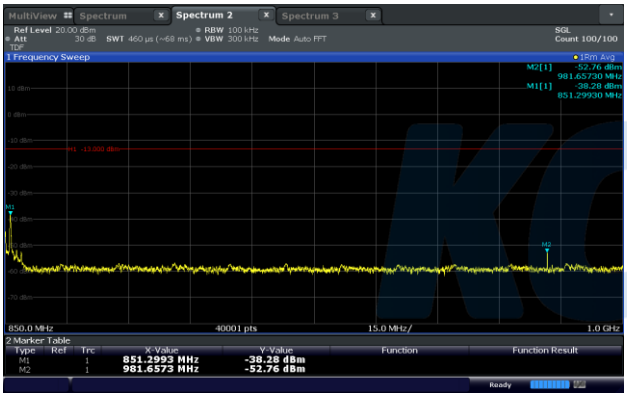
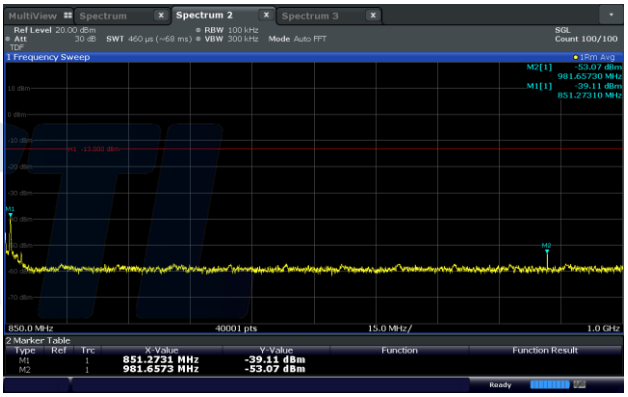
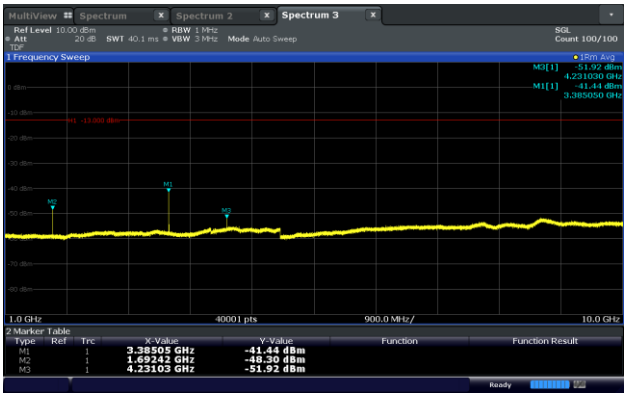
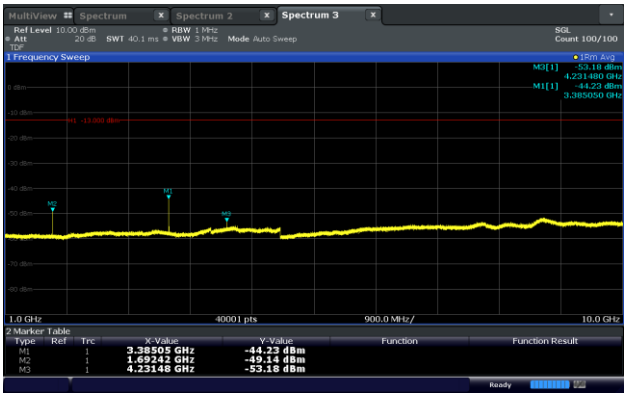
Test mode: LTE Band5

3M BW / QPSK / Low ch.	3M BW / 16QAM / Low ch.
	
	
	

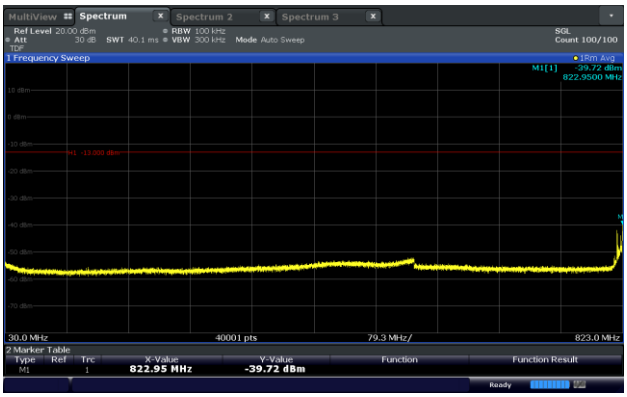
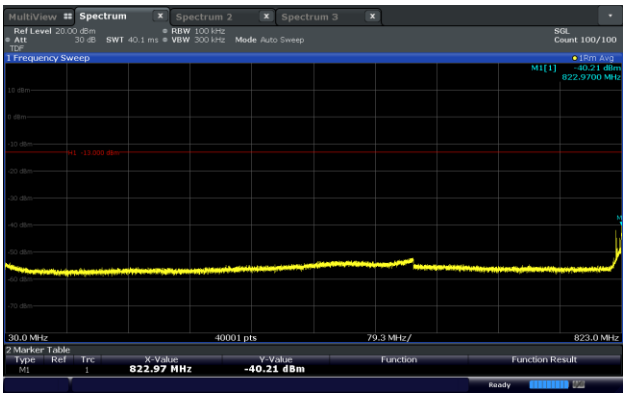
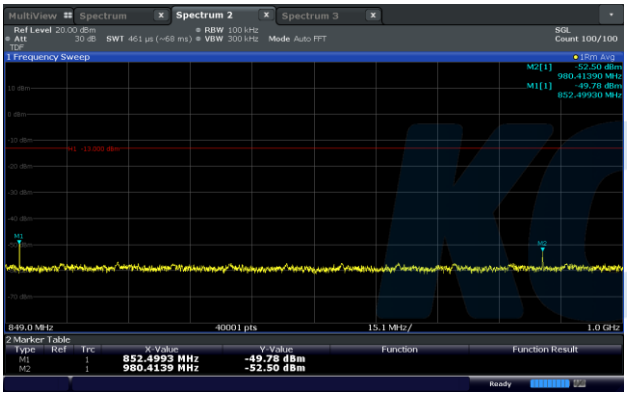
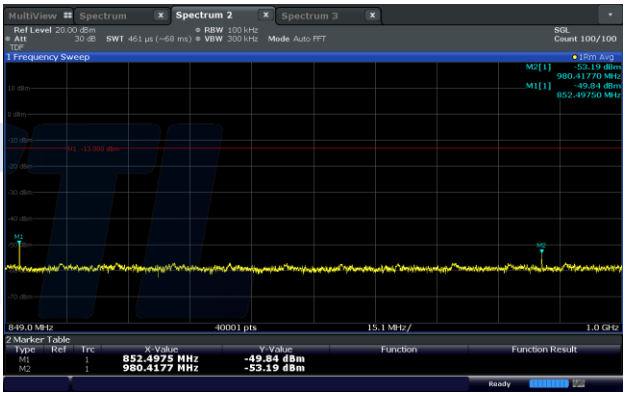
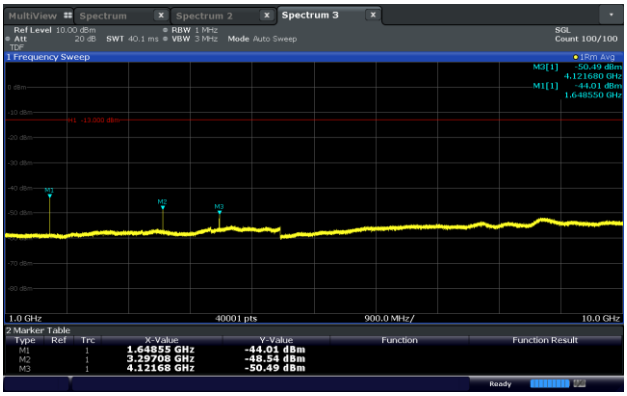
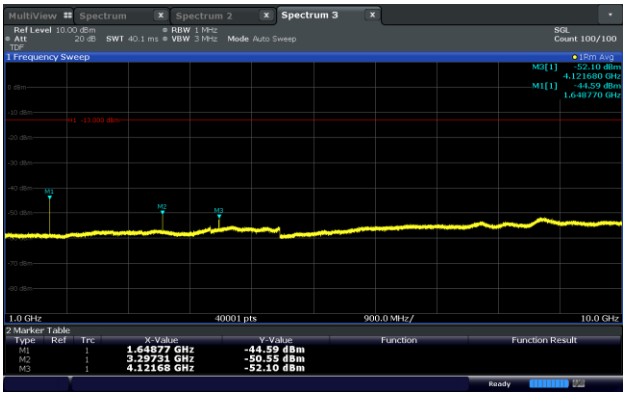
Test mode: LTE Band5

3M BW / QPSK / Mid ch.	3M BW / 16QAM / Mid ch.
	
	
	

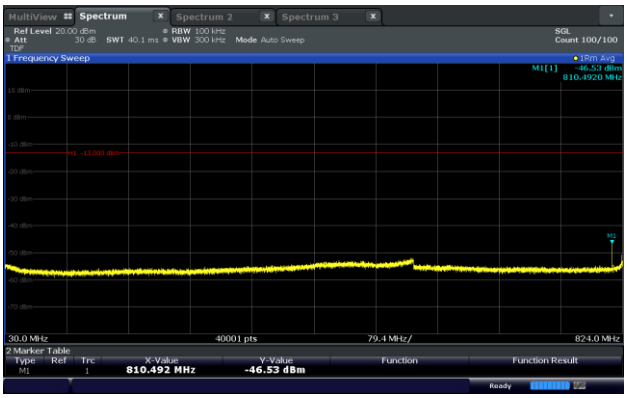
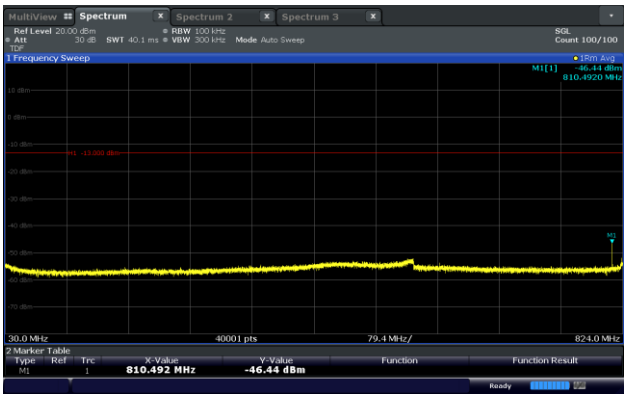
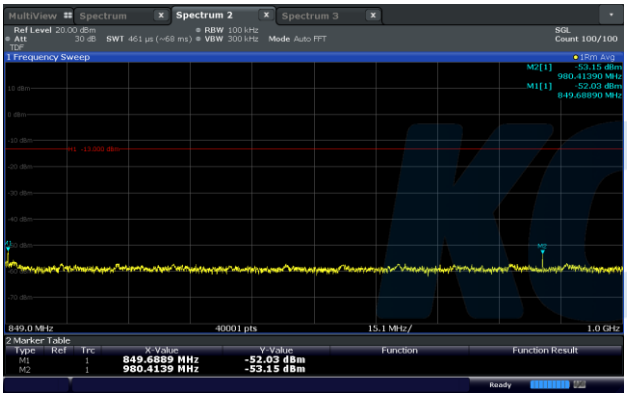
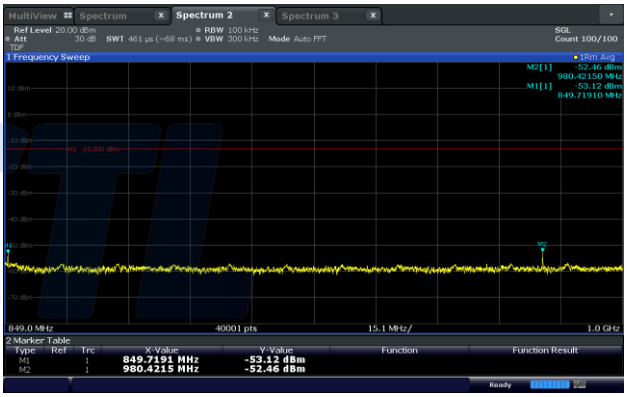
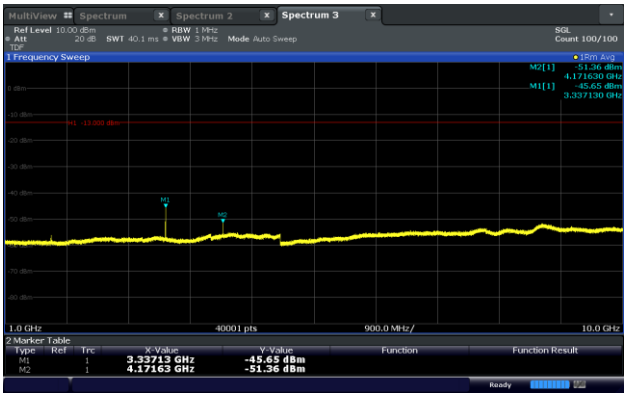
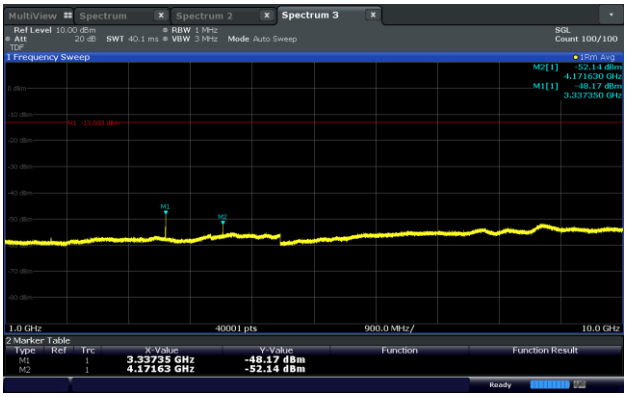
Test mode: LTE Band5

3M BW / QPSK / High ch.	3M BW / 16QAM / High ch.
	
	
	

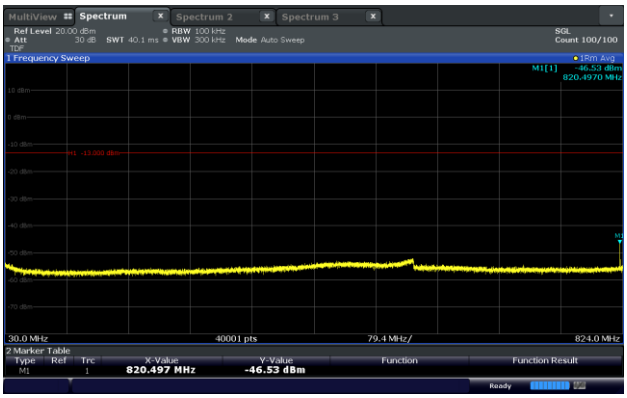
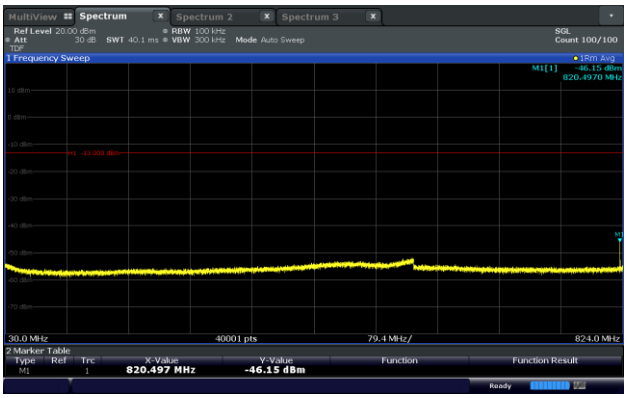
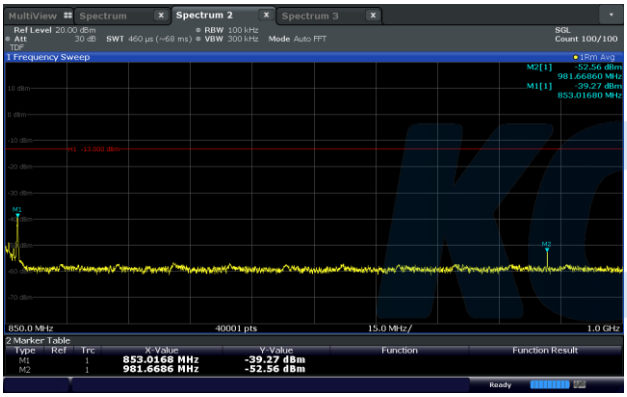
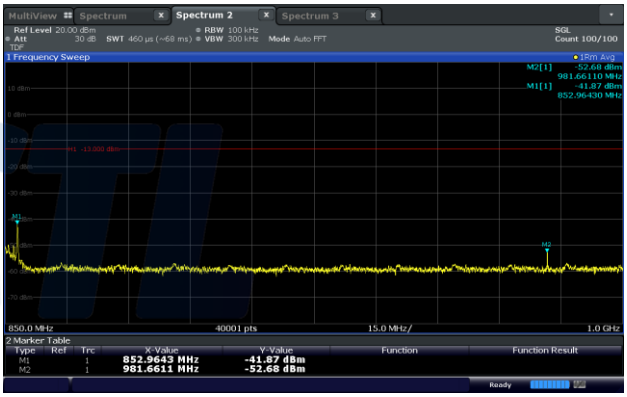
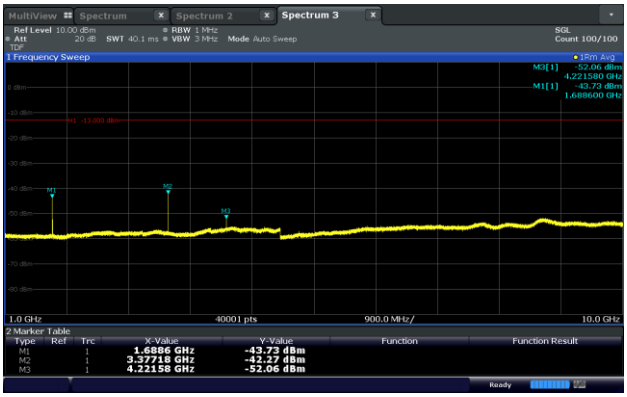
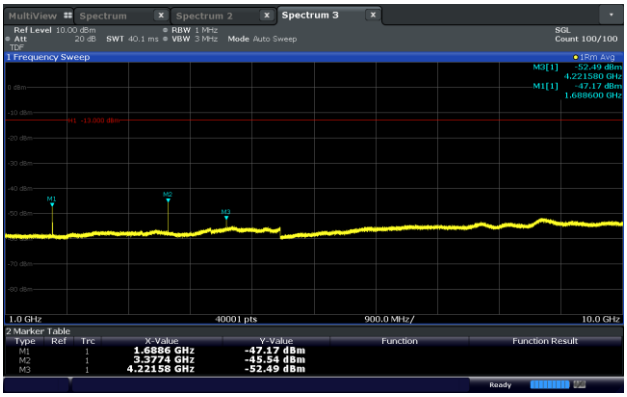
Test mode: LTE Band5

5M BW / QPSK / Low ch.	5M BW / 16QAM / Low ch.
	
	
	

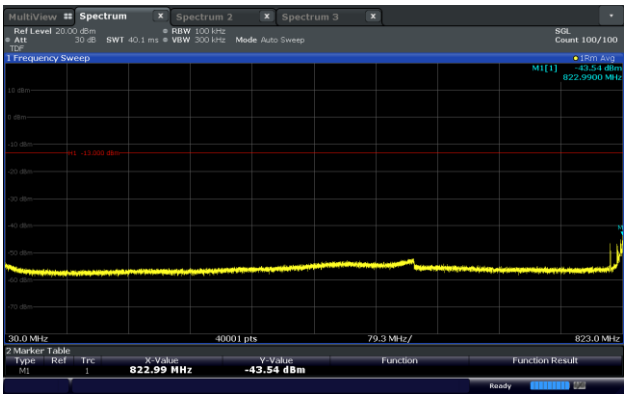
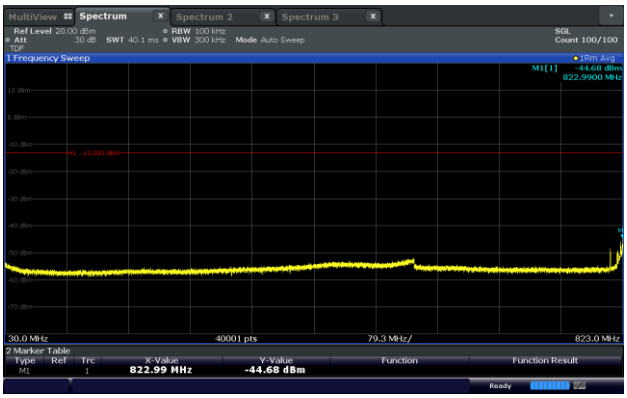
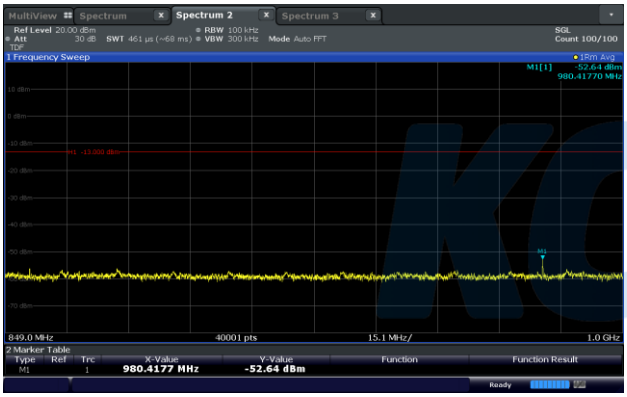
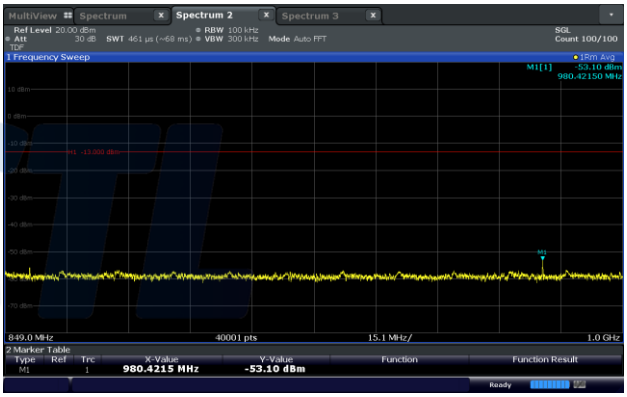
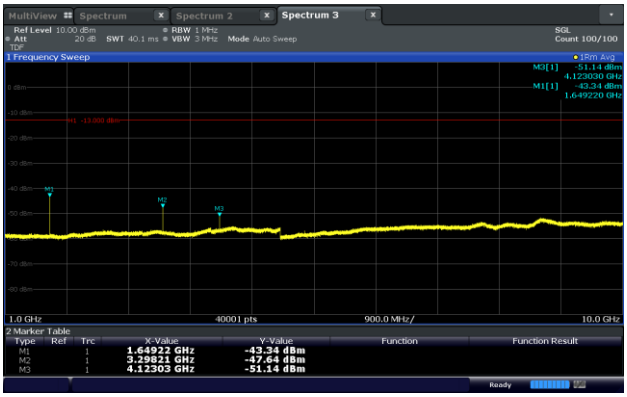
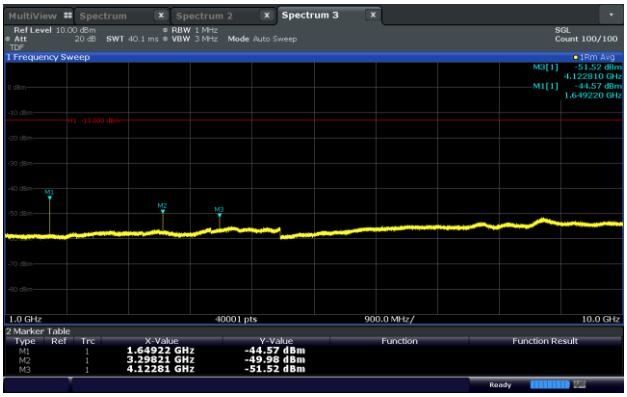
Test mode: LTE Band5

5M BW / QPSK / Mid ch.	5M BW / 16QAM / Mid ch.
	
	
	

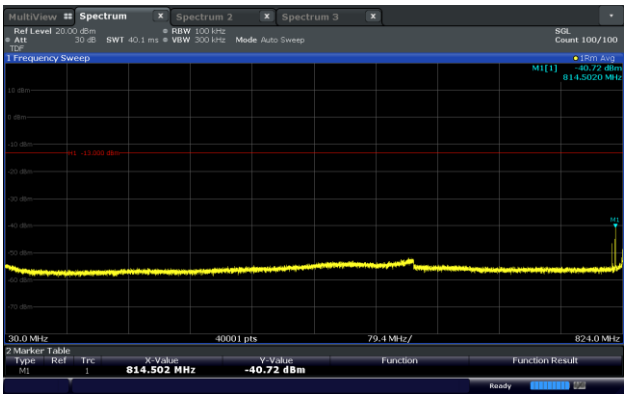
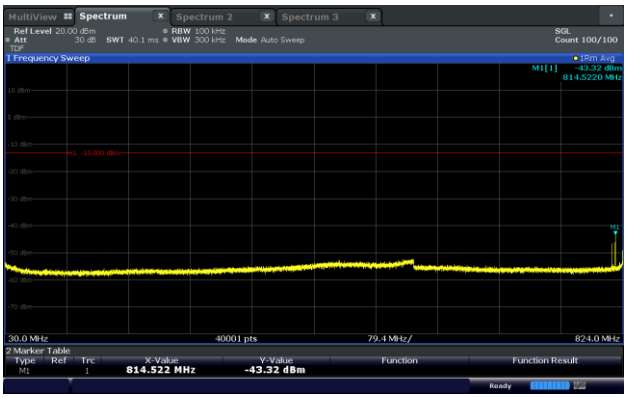
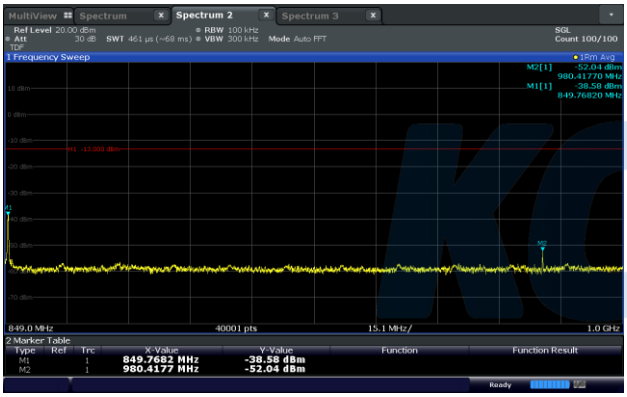
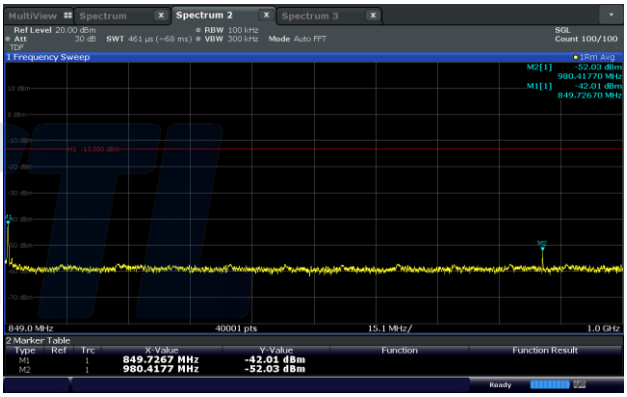
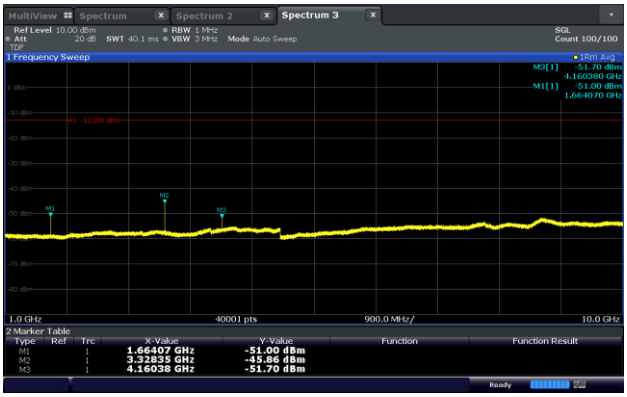
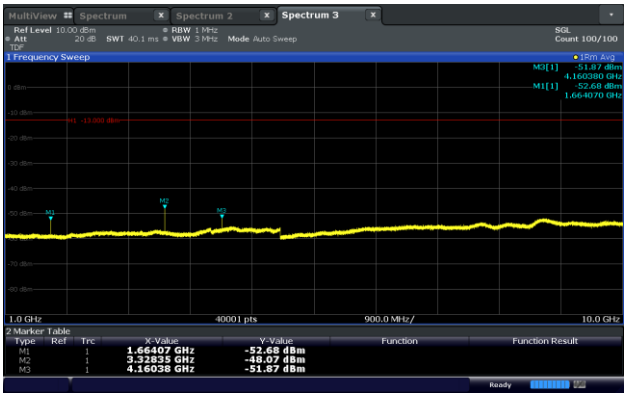
Test mode: LTE Band5

5M BW / QPSK / High ch.	5M BW / 16QAM / High ch.
	
	
	

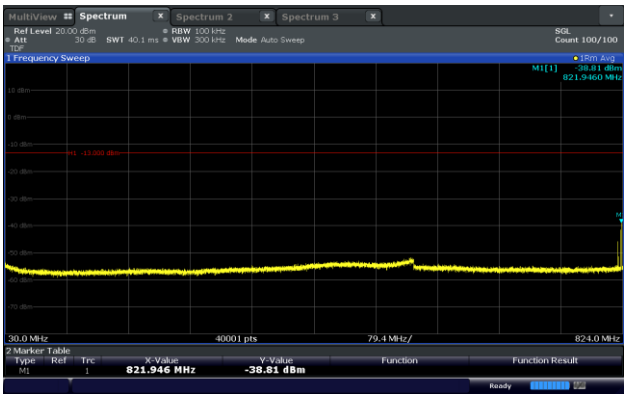
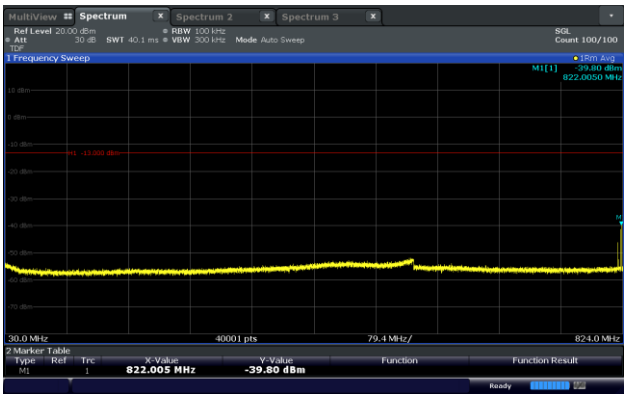
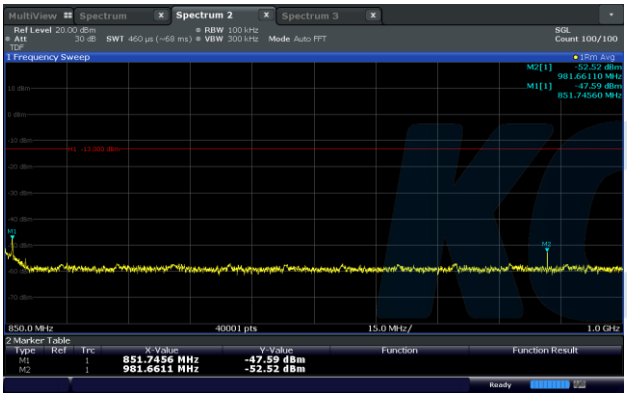
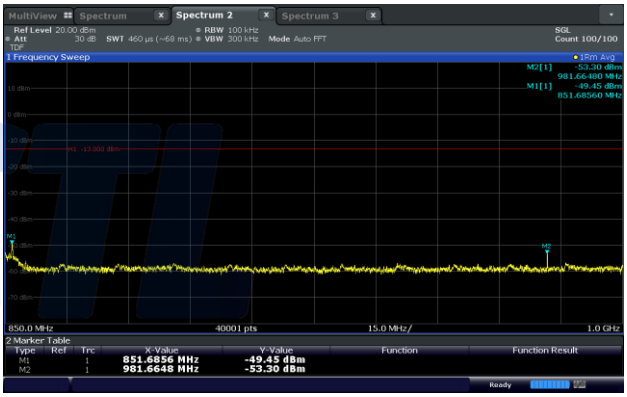
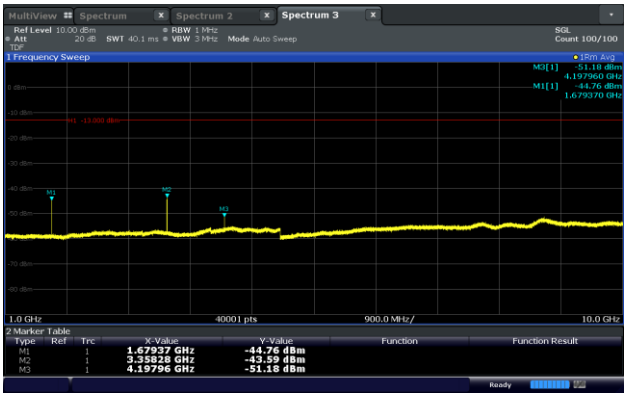
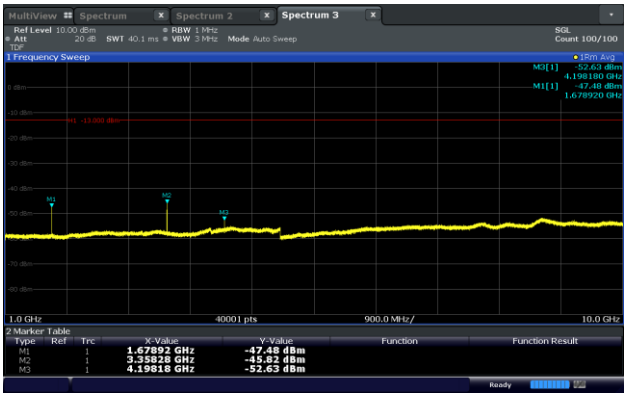
Test mode: LTE Band5

10M BW / QPSK / Low ch.	10M BW / 16QAM / Low ch.
	
	
	

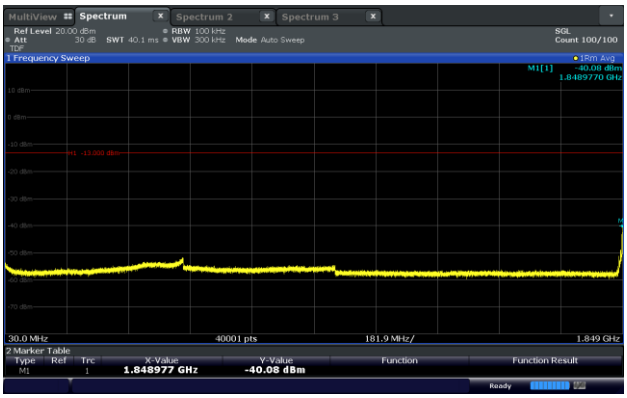
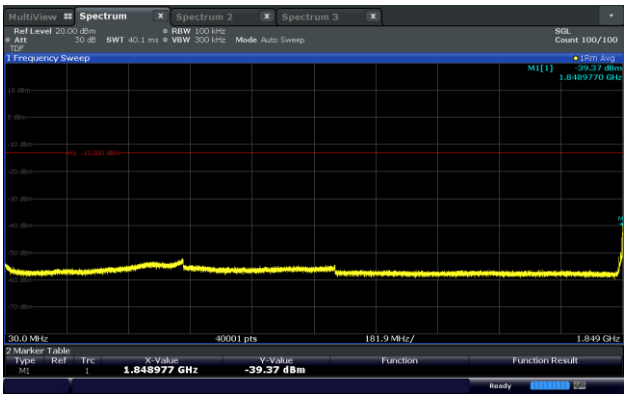
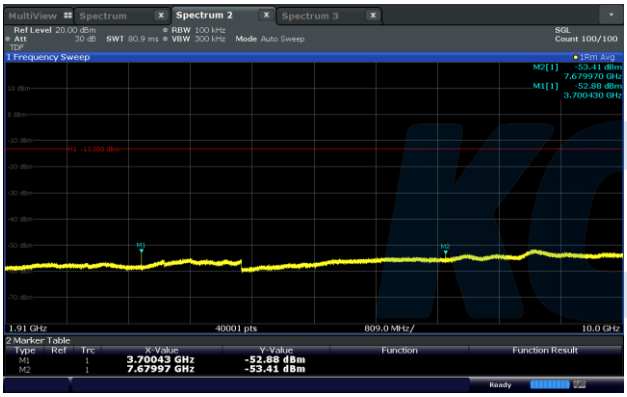
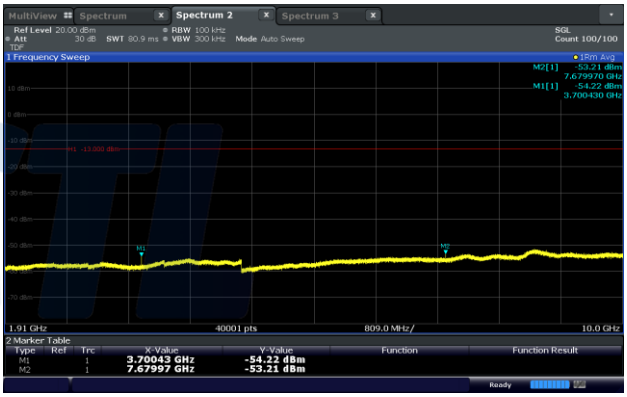
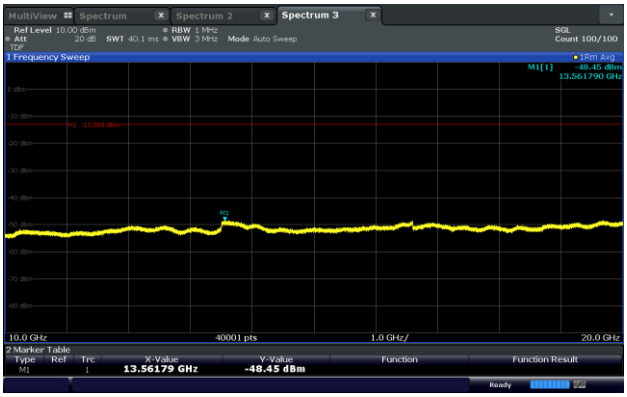
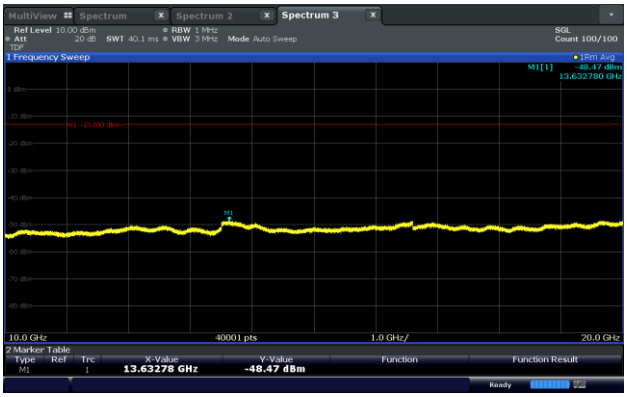
Test mode: LTE Band5

10M BW / QPSK / Mid ch.	10M BW / 16QAM / Mid ch.
	
	
	

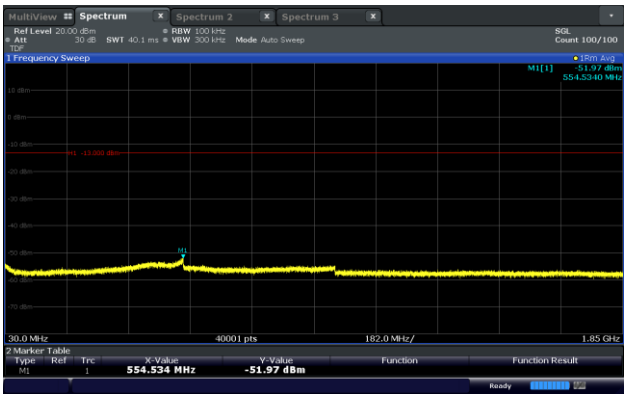
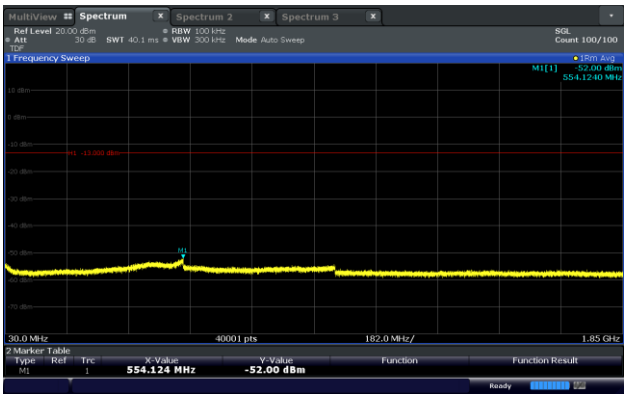
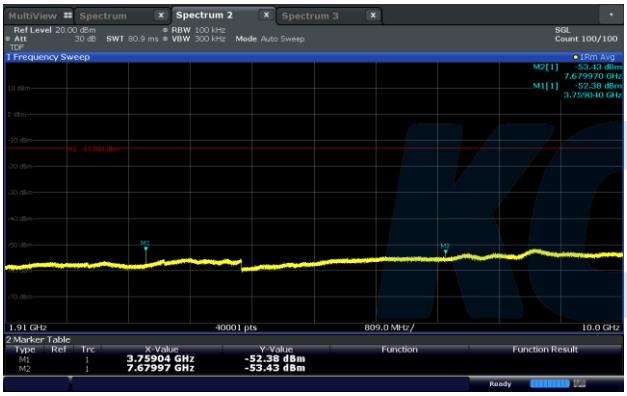
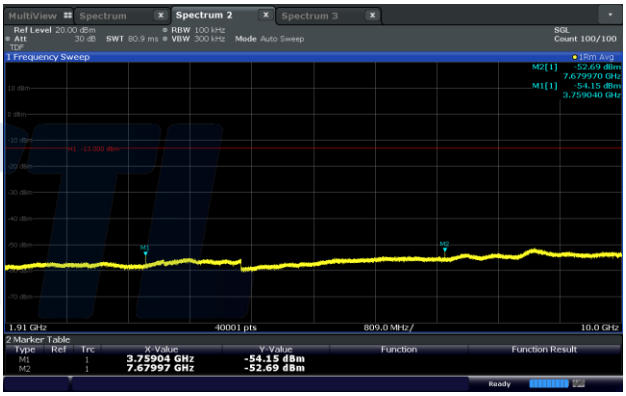
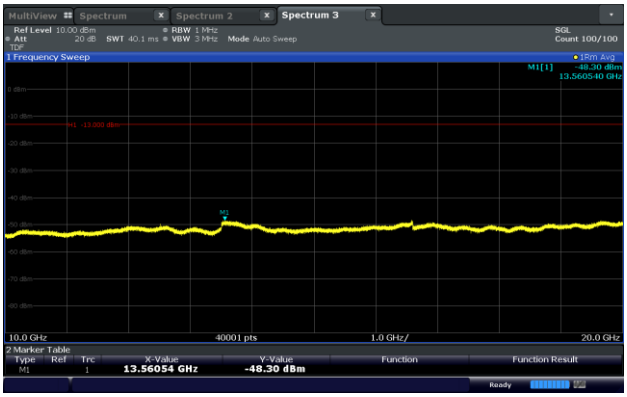
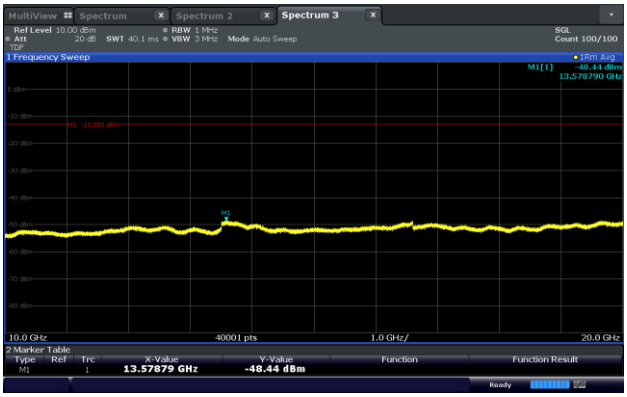
Test mode: LTE Band5

10M BW / QPSK / High ch.	10M BW / 16QAM / High ch.
	
	
	

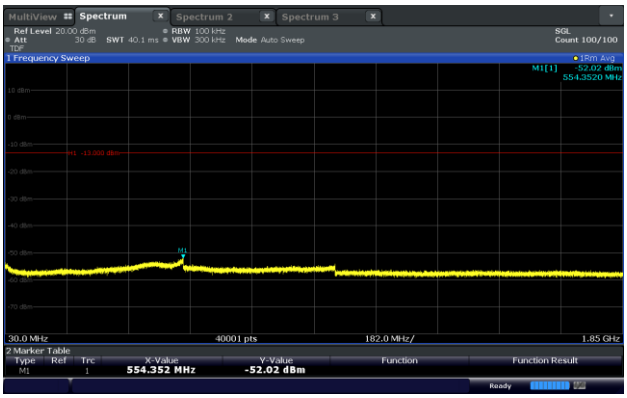
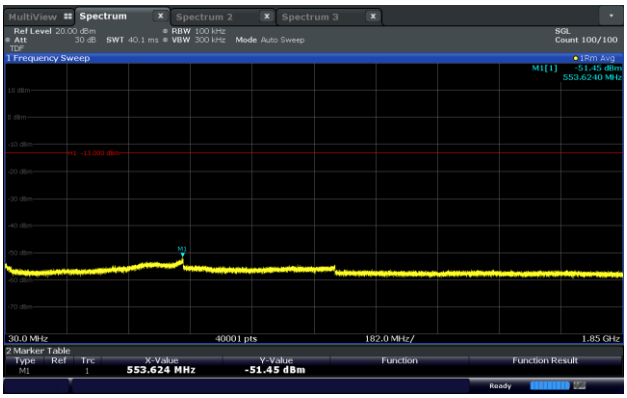
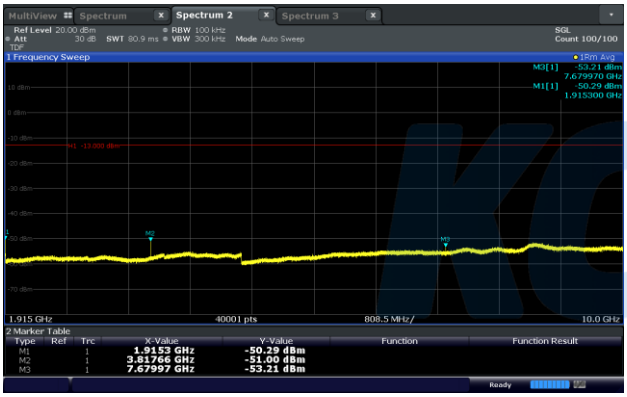
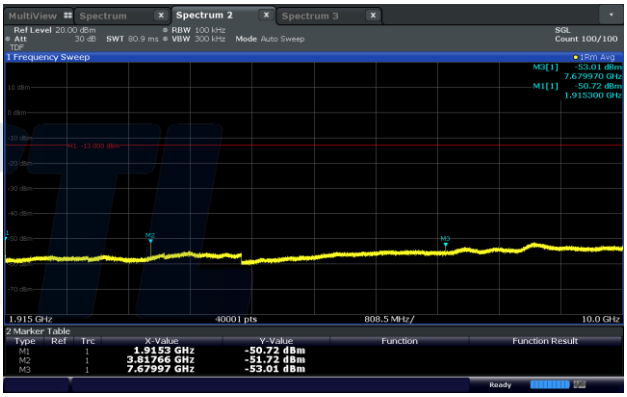
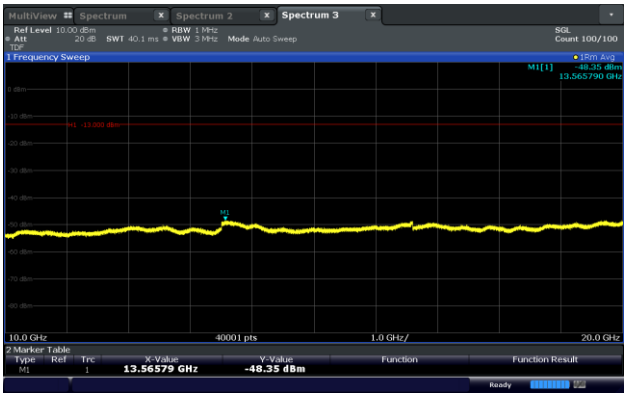
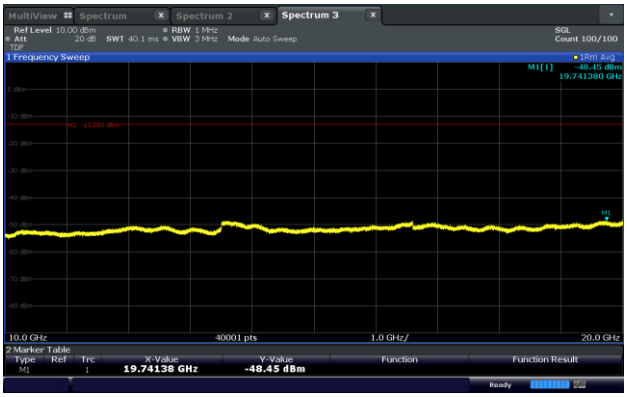
Test mode: LTE Band2

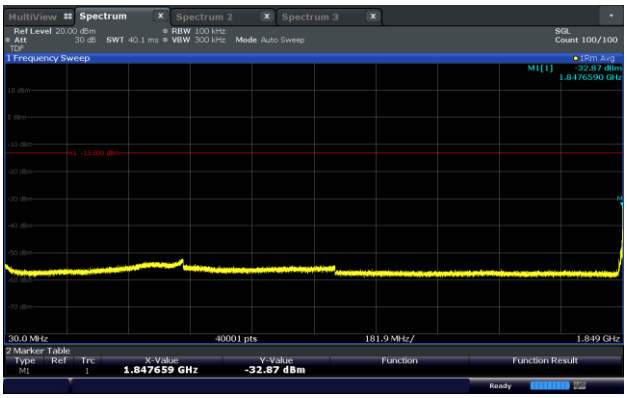
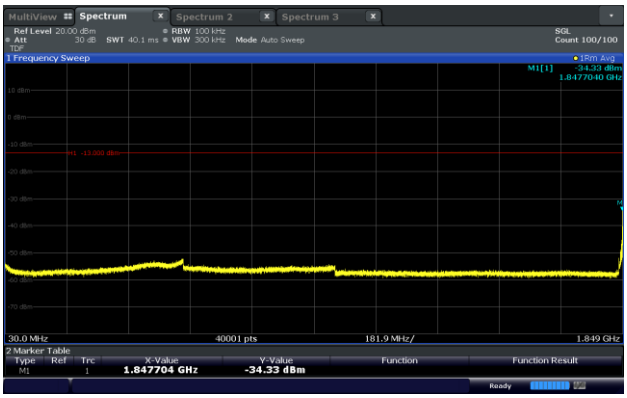
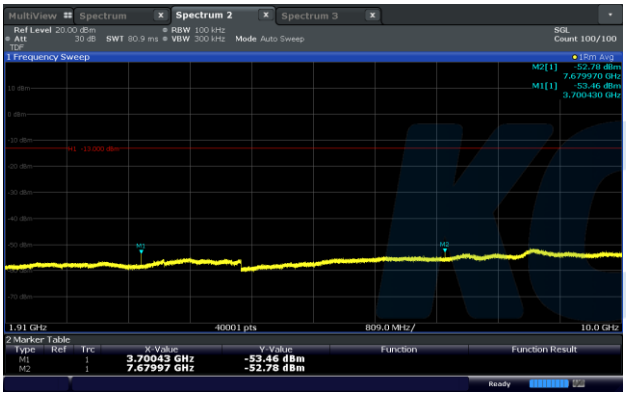
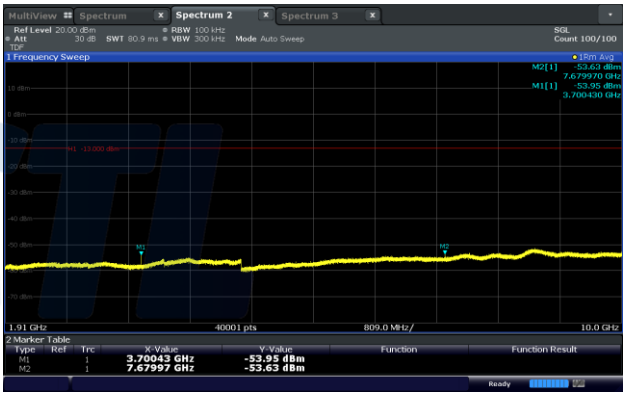
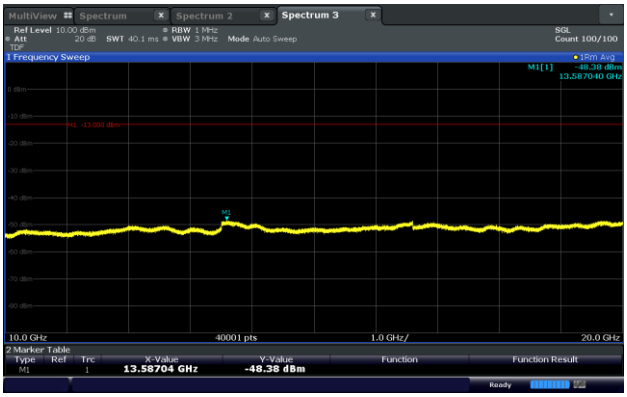
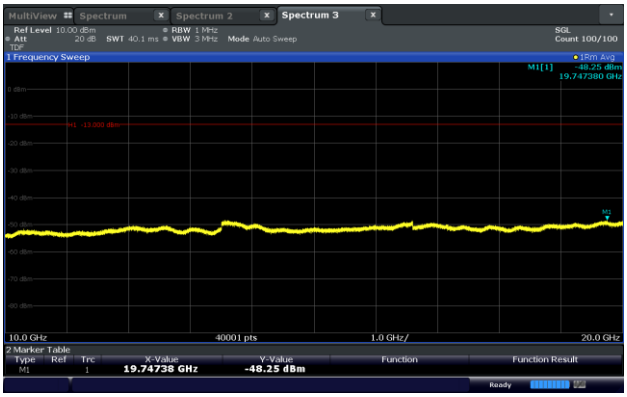
1.4M BW / QPSK / Low ch.	1.4M BW / 16QAM / Low ch.
	
	
	

Test mode: LTE Band2

1.4M BW / QPSK / Mid ch.	1.4M BW / 16QAM / Mid ch.
	
	
	

Test mode: LTE Band2

1.4M BW / QPSK / High ch.	1.4M BW / 16QAM / High ch.
	
	
	

Test mode: LTE Band2

3M BW / QPSK / Low ch.	3M BW / 16QAM / Low ch.