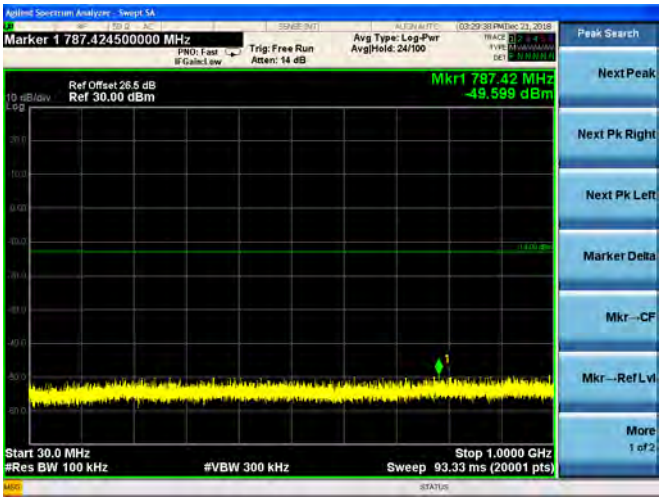
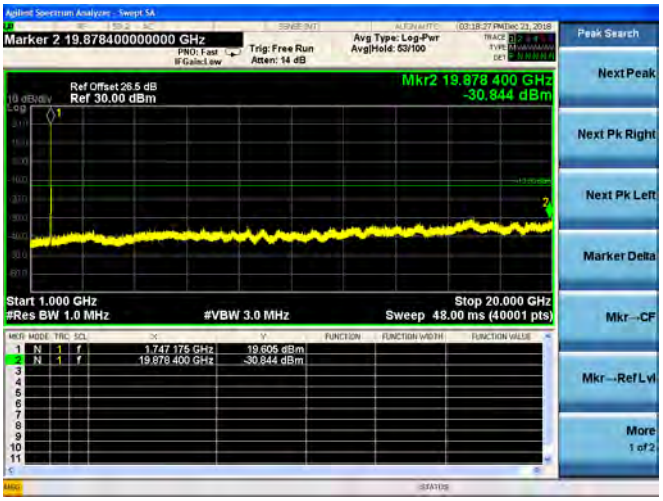
LTE Band 4 10MHz BW High Channel	
QPSK	
	
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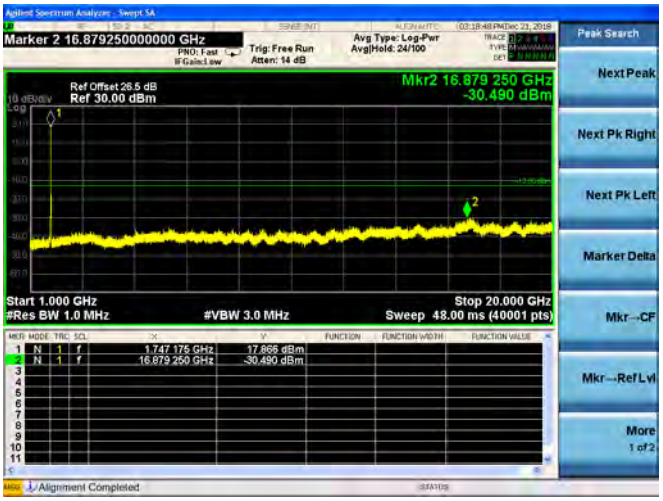
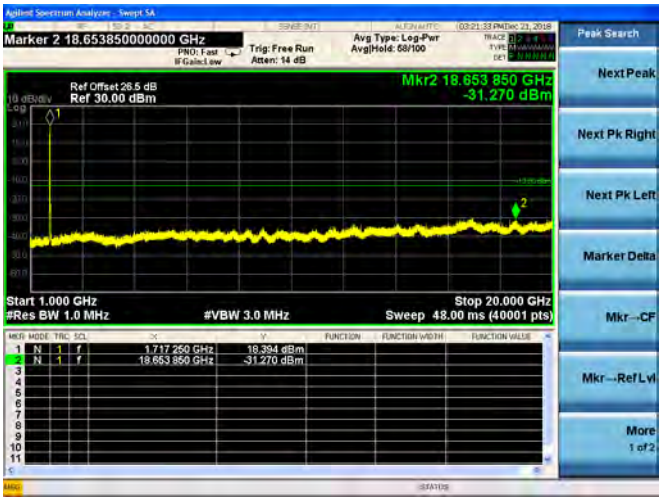
	

LTE Band 4 15MHz BW Low Channel	
QPSK	
	
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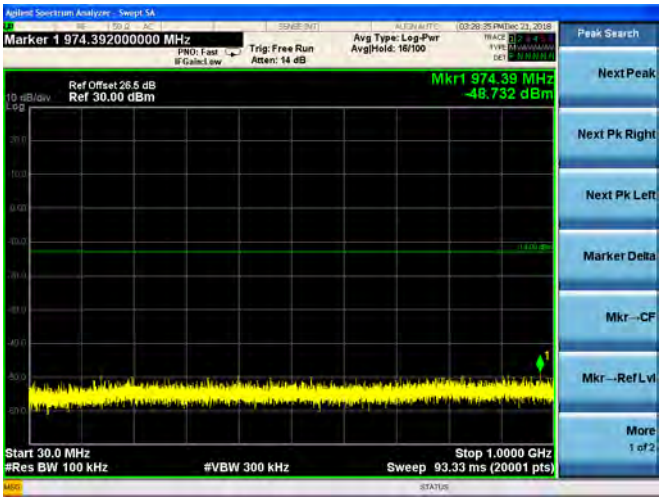
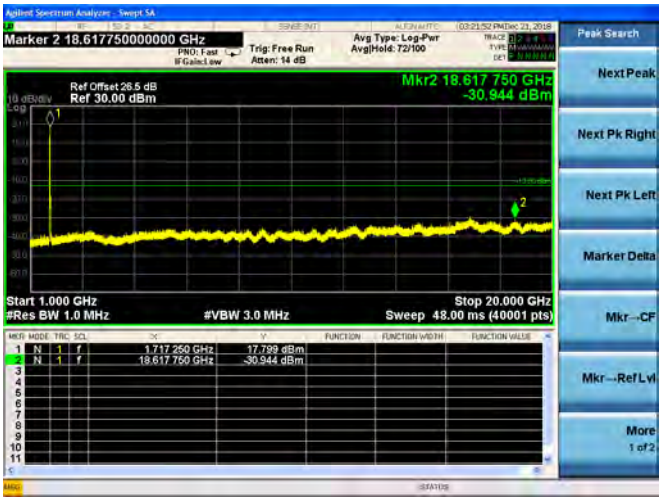
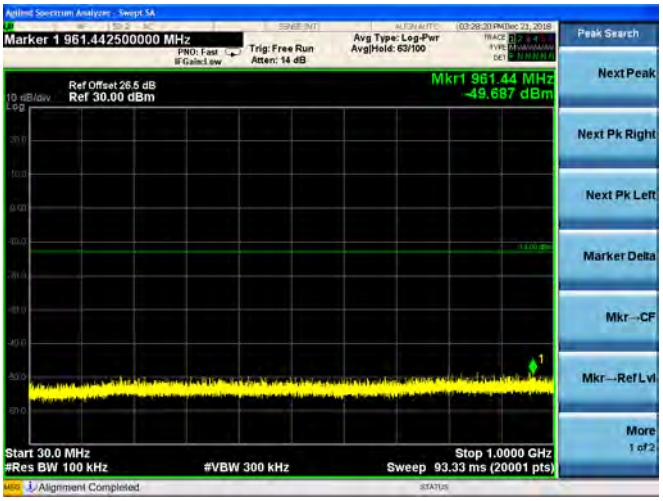
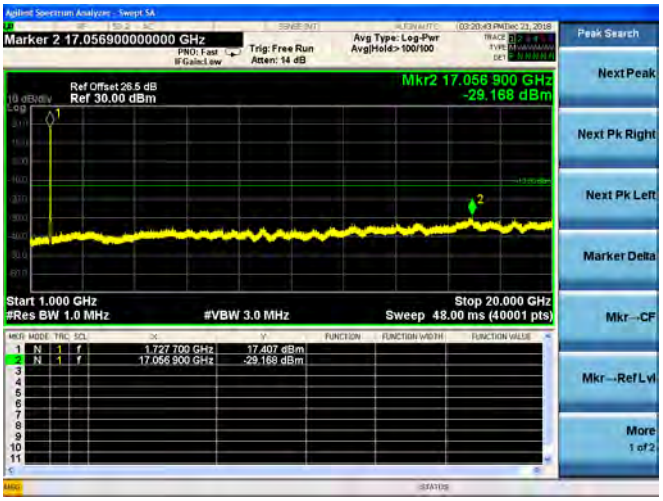
	

LTE Band 4 15MHz BW Mid Channel	
QPSK	
	
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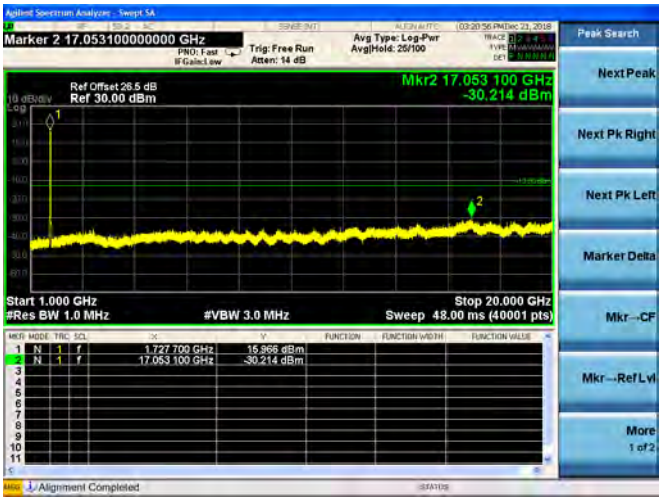
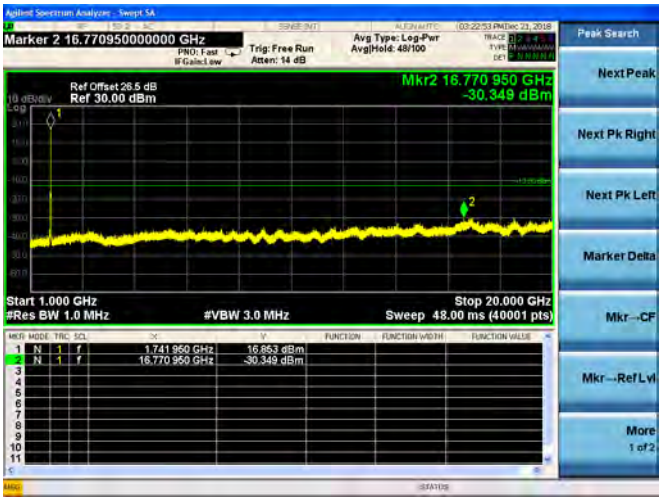
	

LTE Band 4 15MHz BW High Channel	
QPSK	
	
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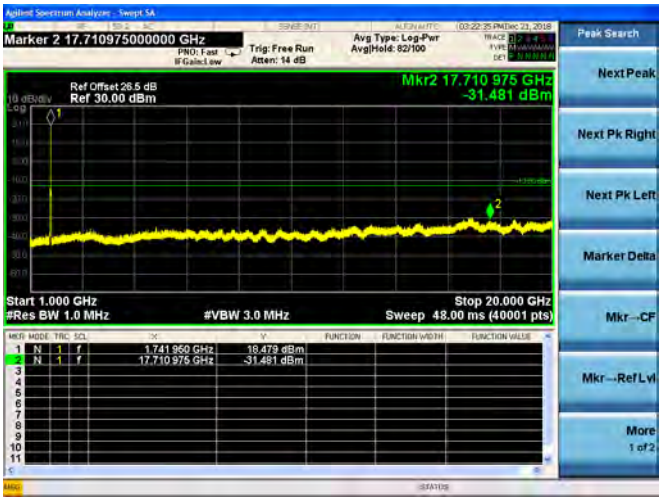
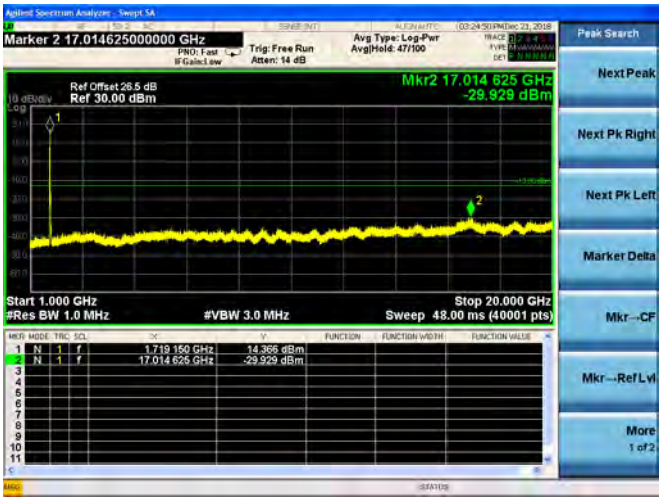
	

LTE Band 4 20MHz BW Low Channel	
QPSK	
	
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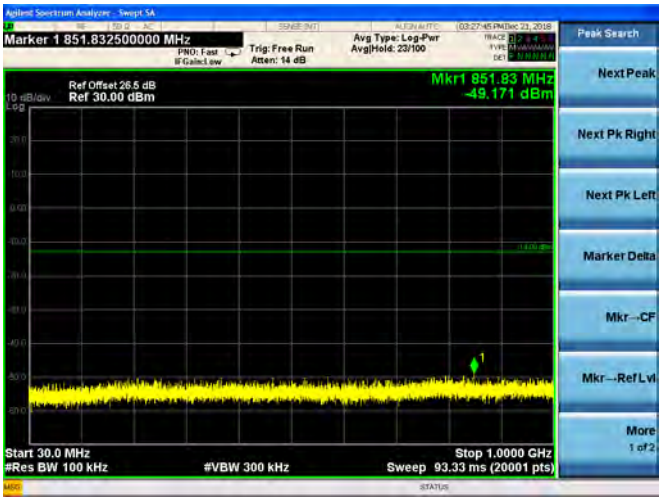
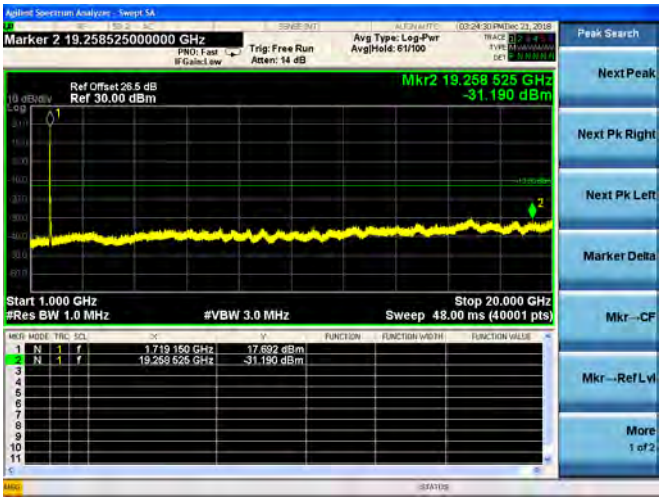
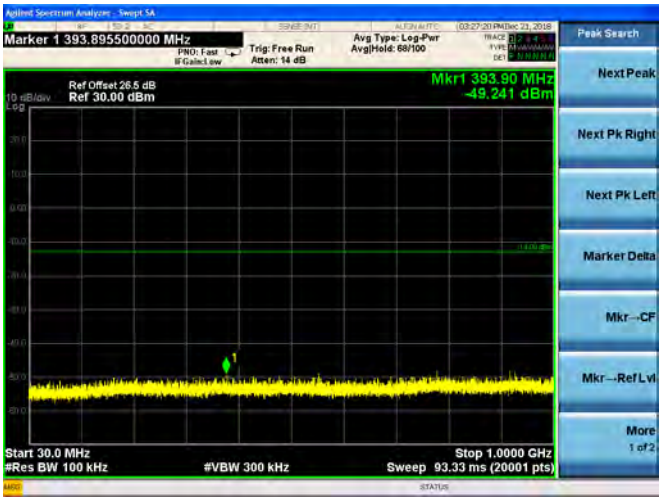
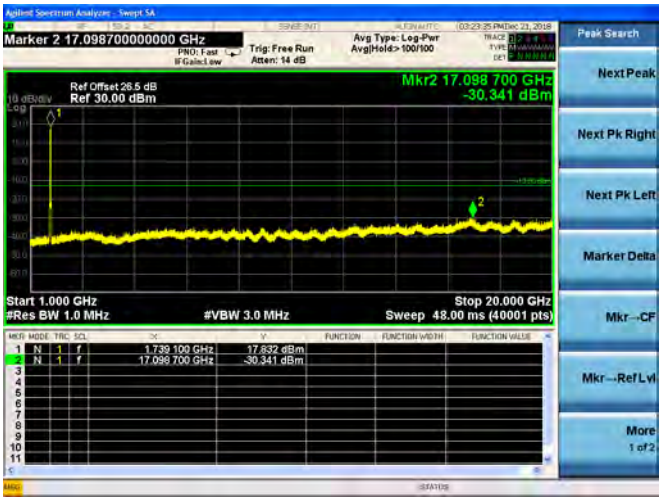
	

LTE Band 4 20MHz BW Mid Channel	
QPSK	
	
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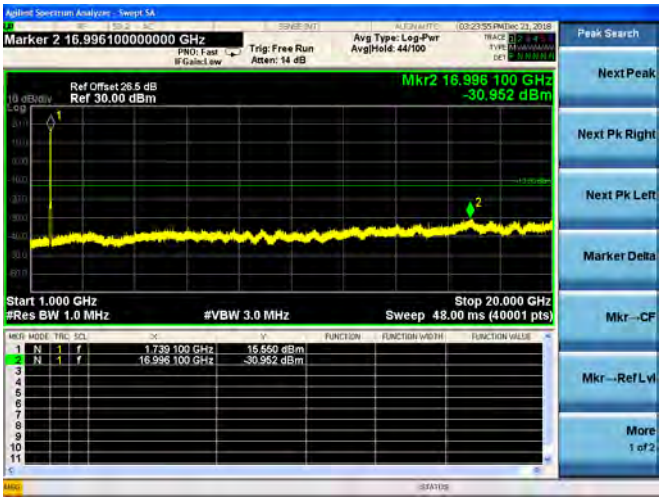
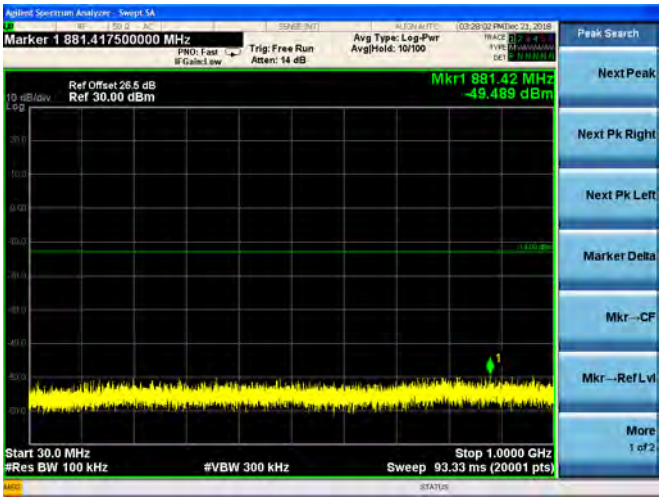
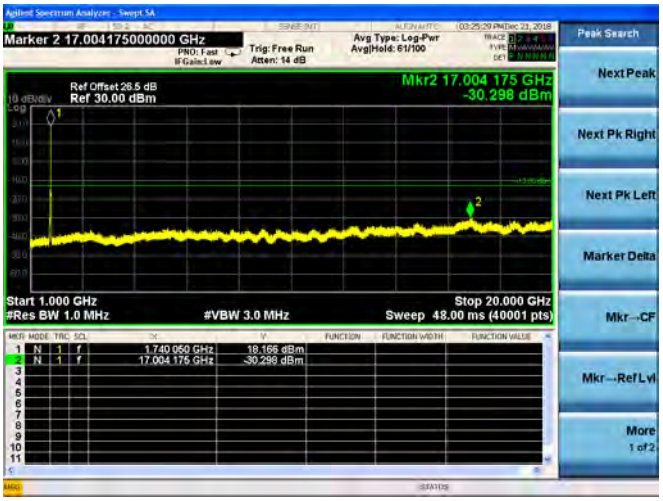
	

LTE Band 4 20MHz BW High Channel	
QPSK	
	
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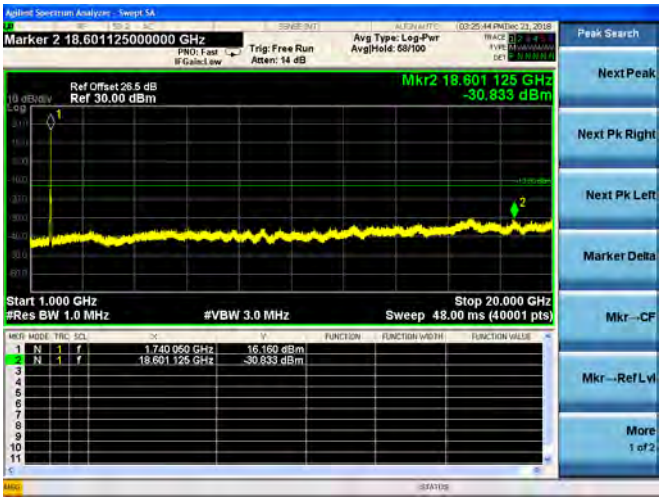
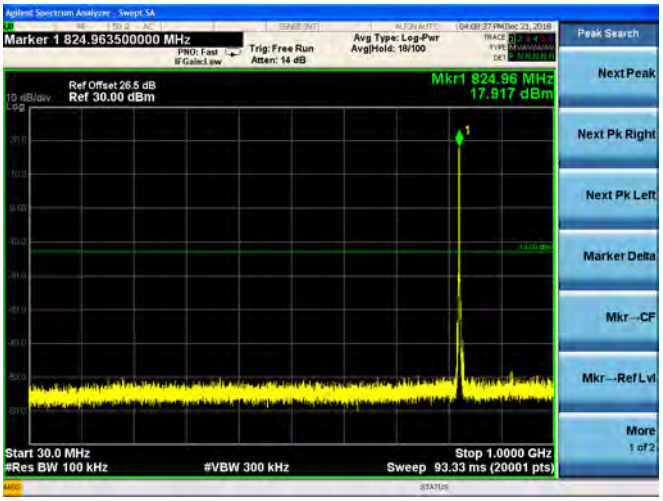
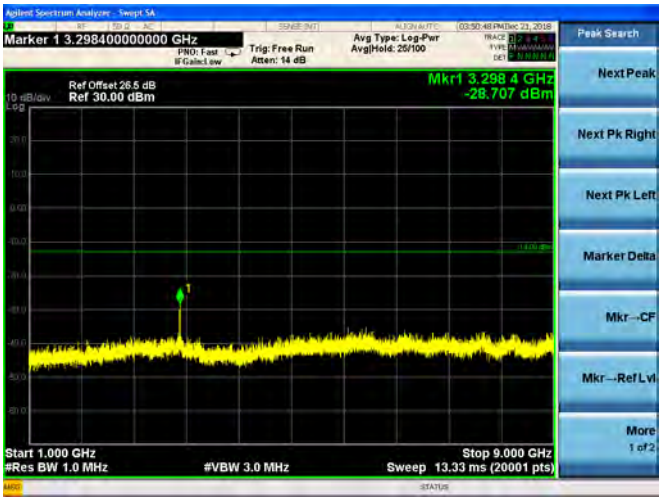
	

LTE Band 5 1.4MHz BW Low Channel	
QPSK	
	
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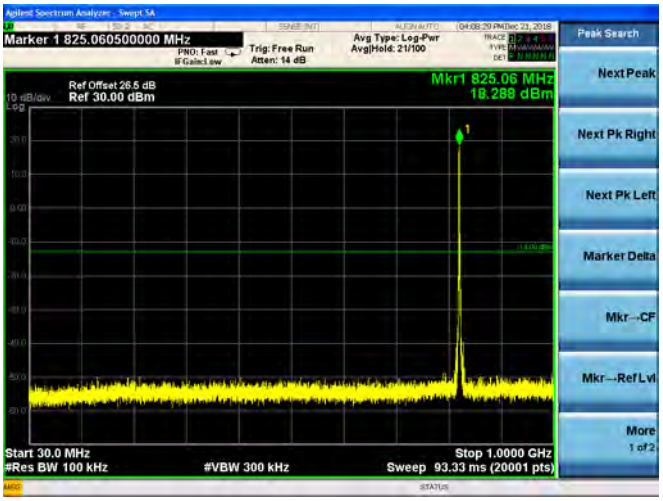
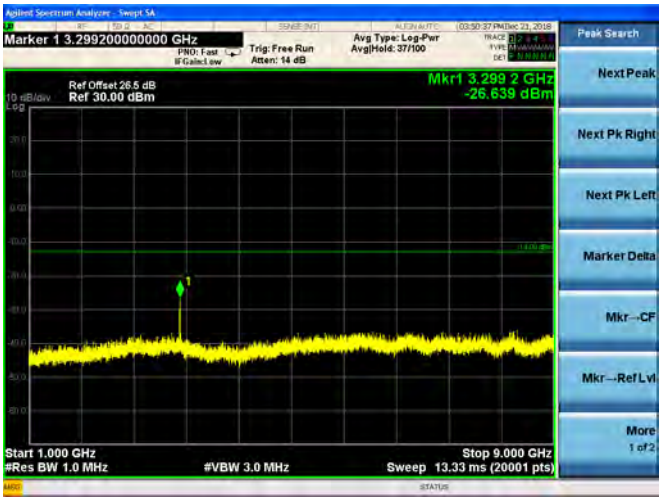
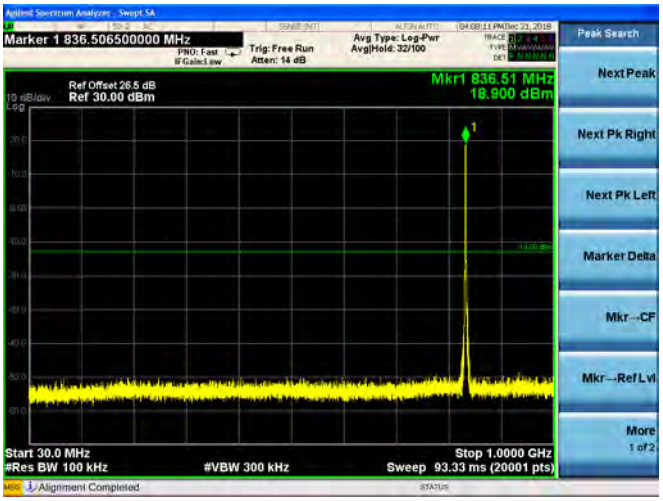
	

LTE Band 5 1.4MHz BW Mid Channel	
QPSK	
	
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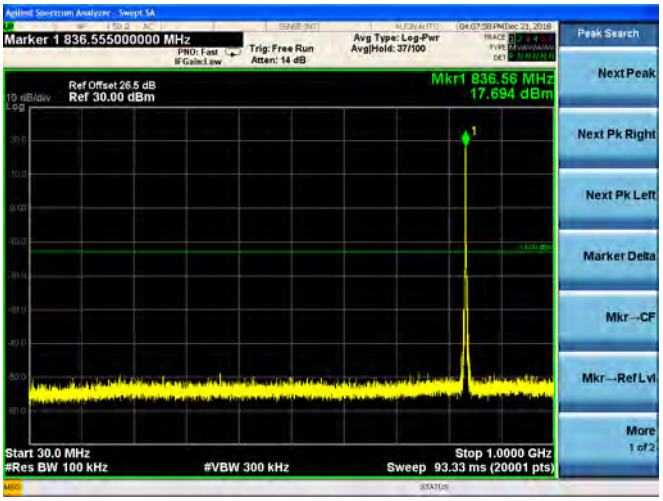
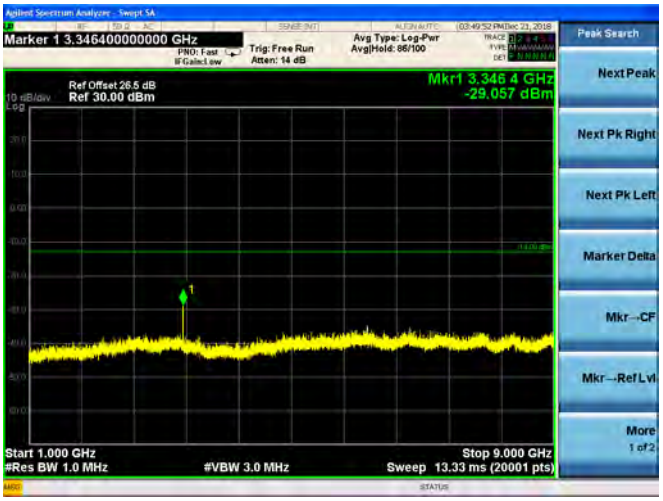
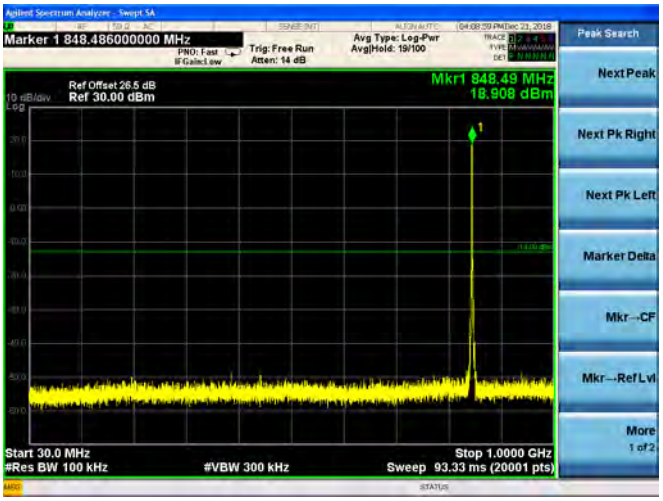
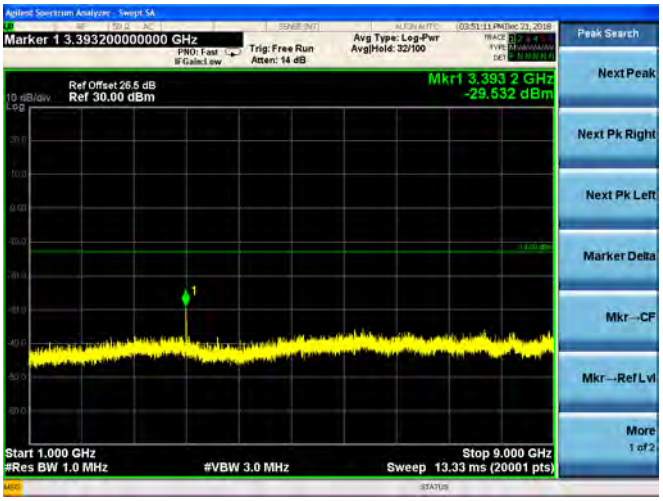
	

LTE Band 5 1.4MHz BW High Channel	
QPSK	
	
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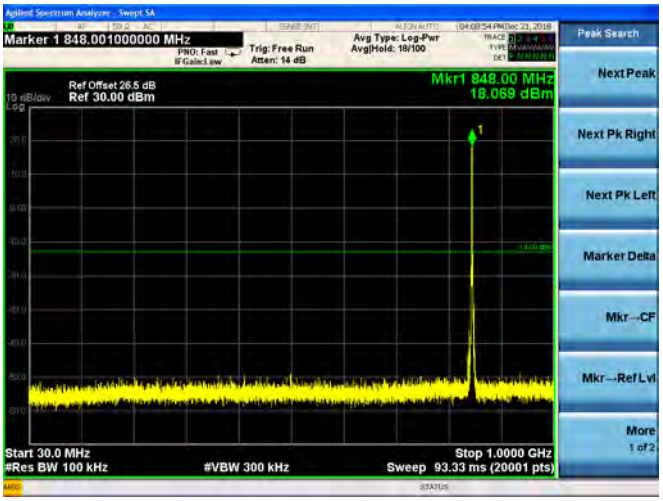
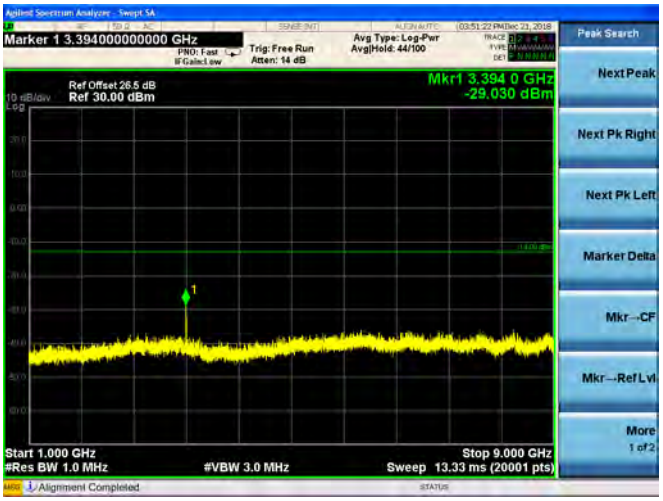
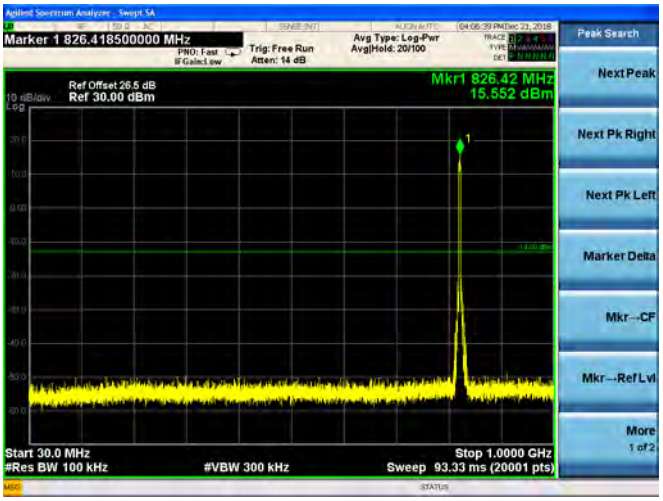
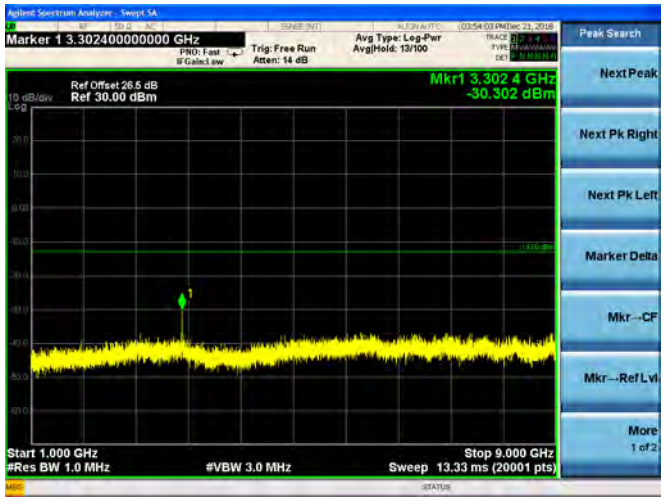
	

LTE Band 5 3MHz BW Low Channel	
QPSK	
	
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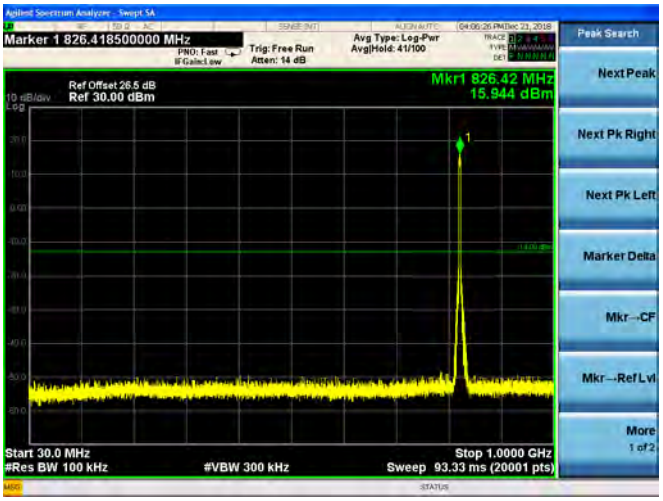
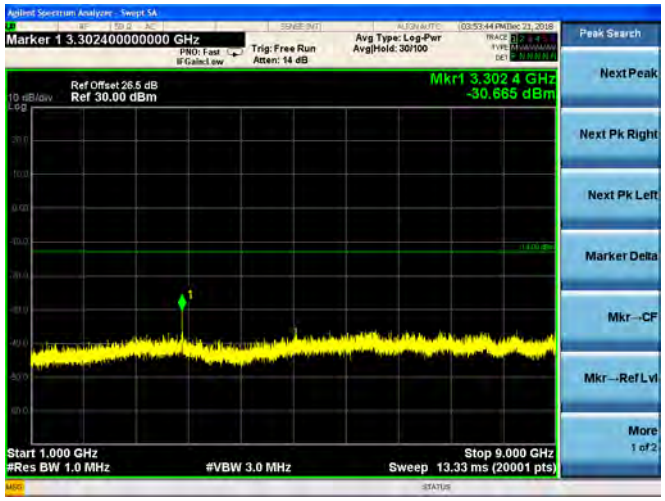
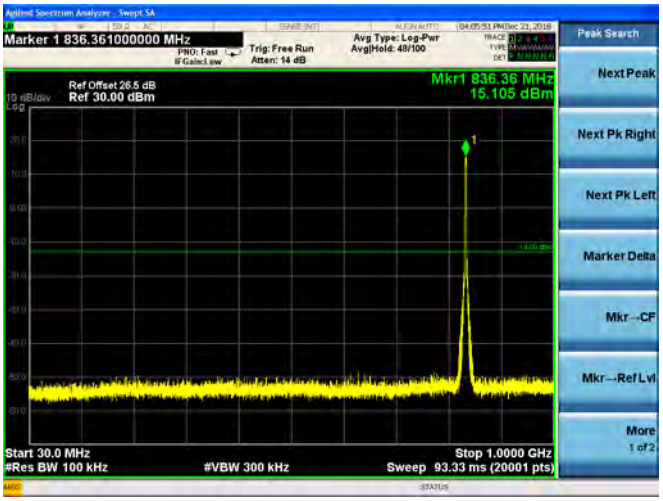
	

LTE Band 5 3MHz BW Mid Channel	
QPSK	
	
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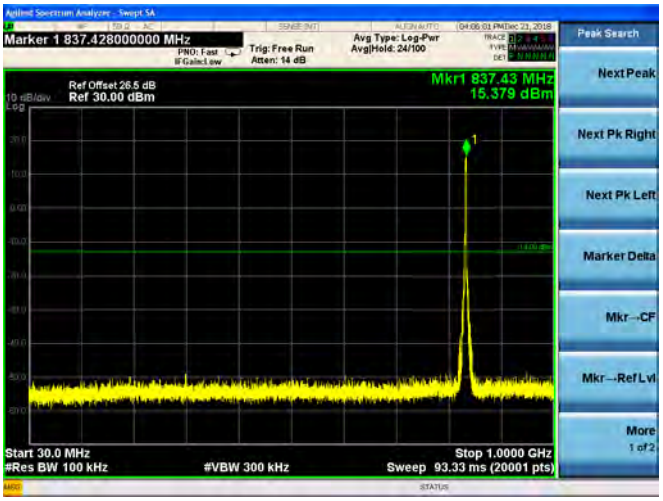
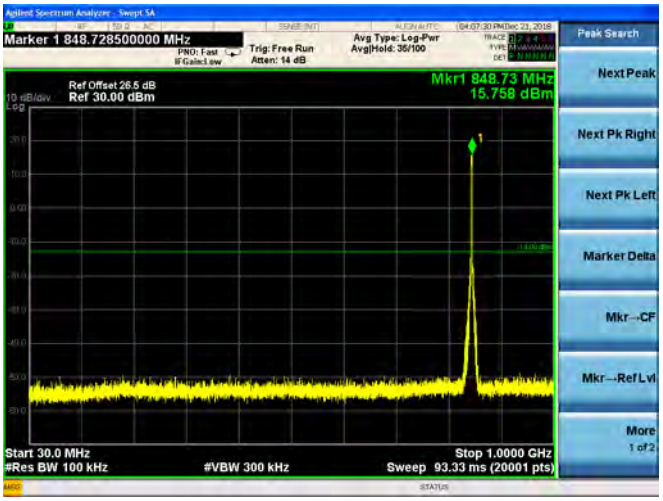
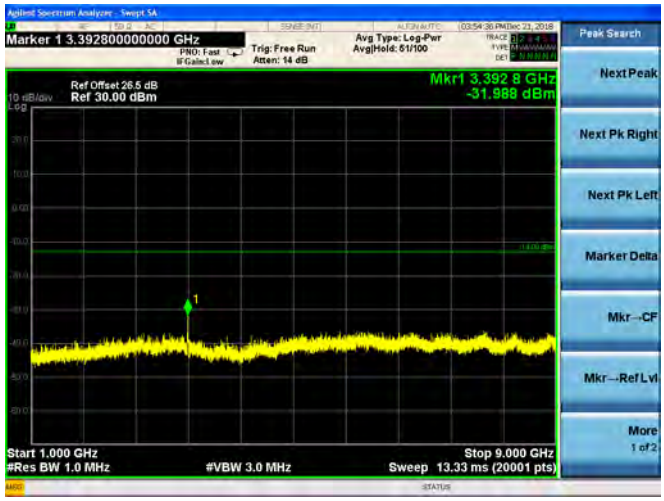
	

LTE Band 5 3MHz BW High Channel	
QPSK	
	
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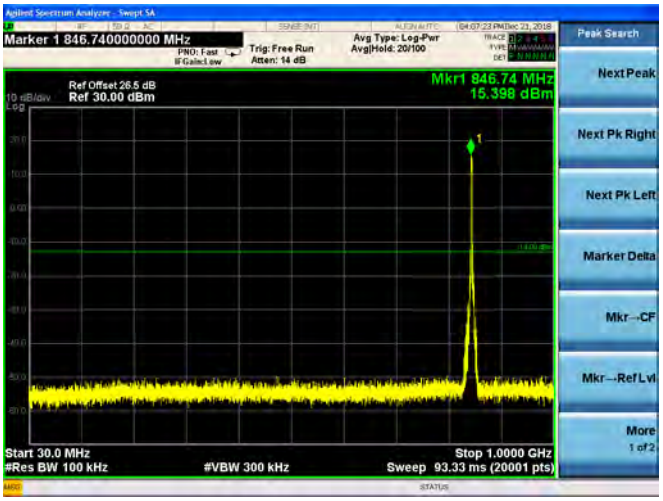
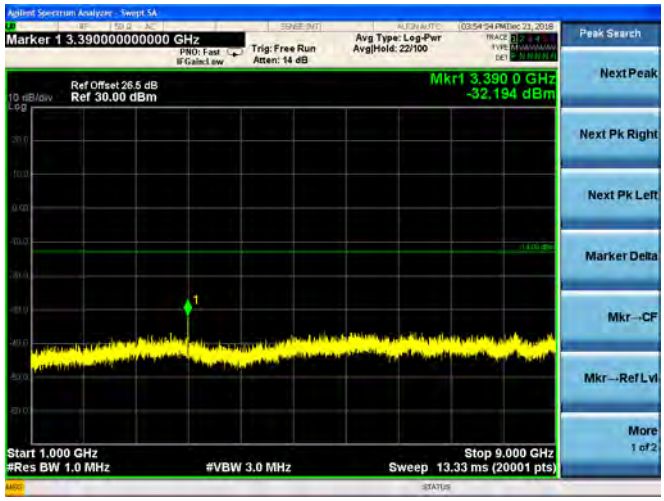
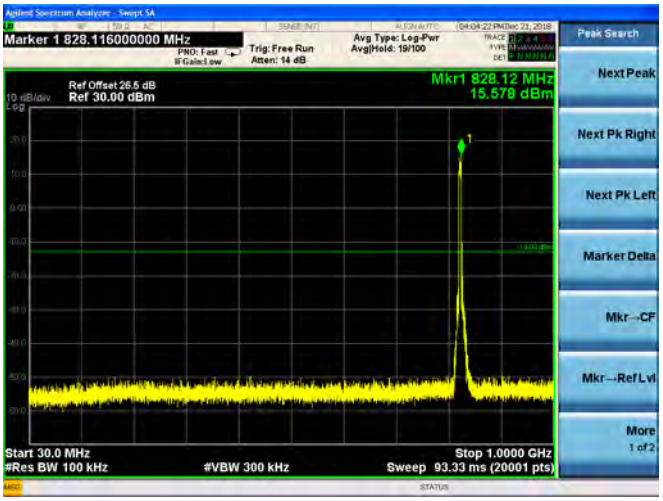
	

LTE Band 5 5MHz BW Low Channel	
QPSK	
	
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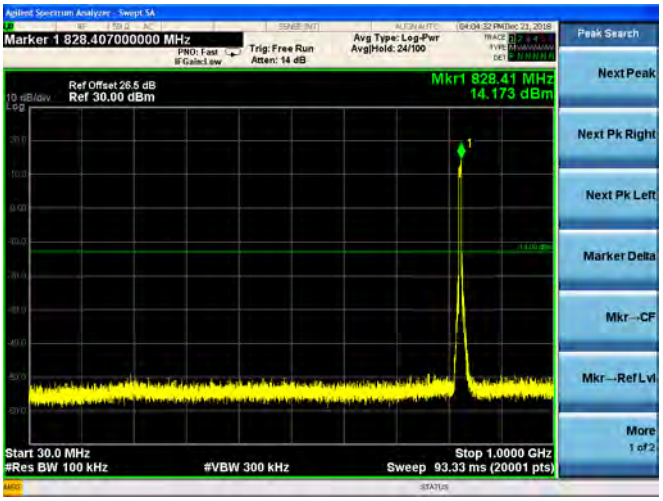
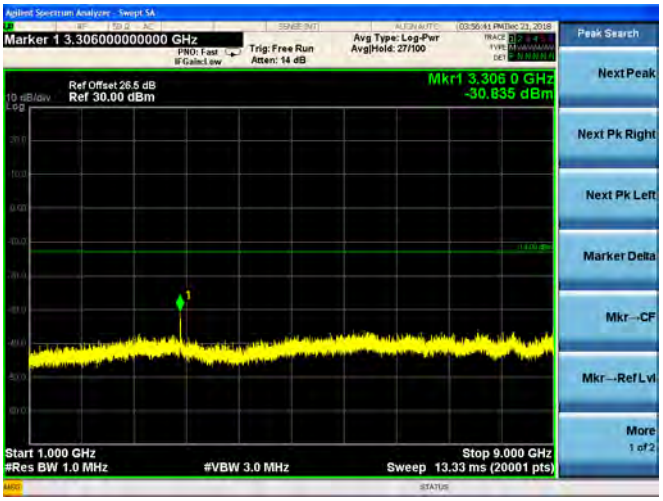
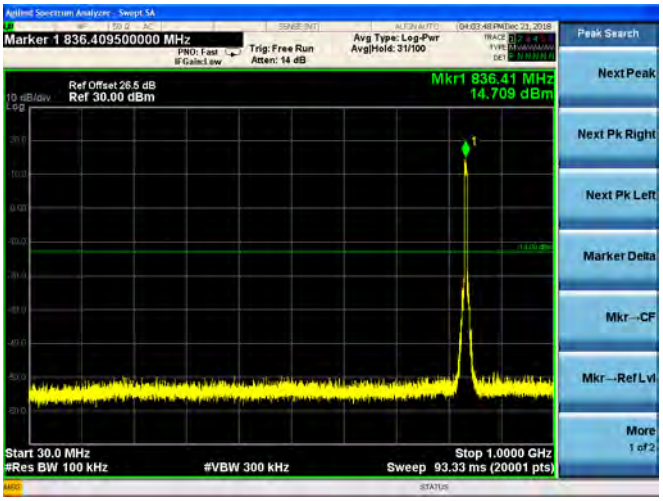
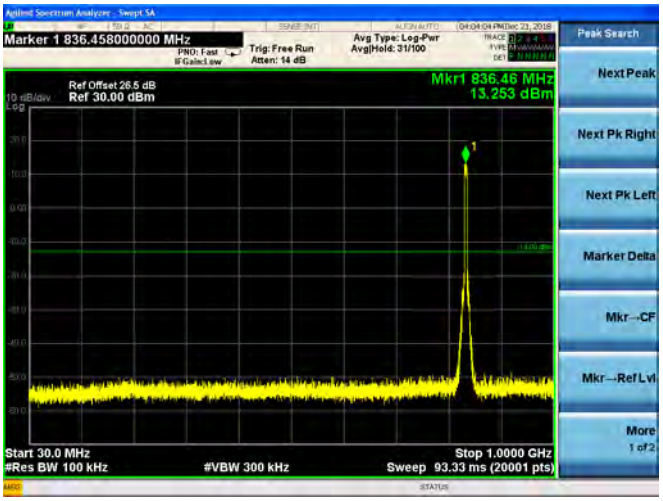
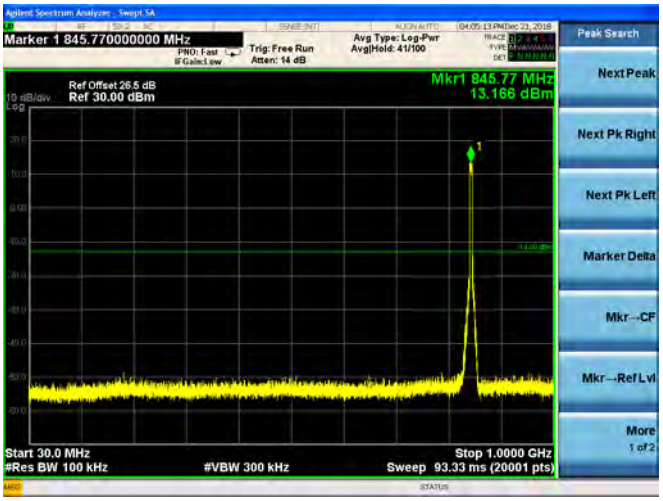
	

LTE Band 5 5MHz BW Mid Channel	
QPSK	
	
16QAM	
	

LTE Band 5 5MHz BW High Channel	
QPSK	
	
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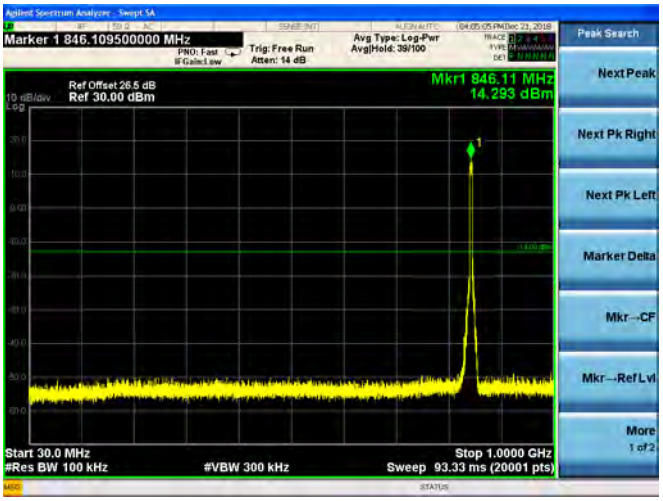
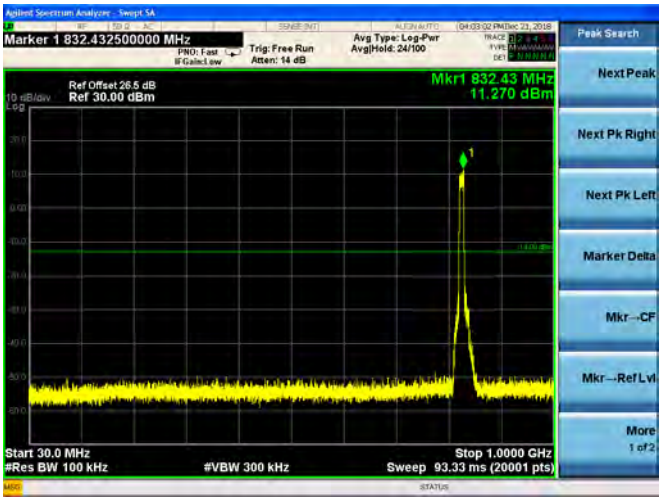
	

LTE Band 5 10MHz BW Low Channel	
QPSK	
	
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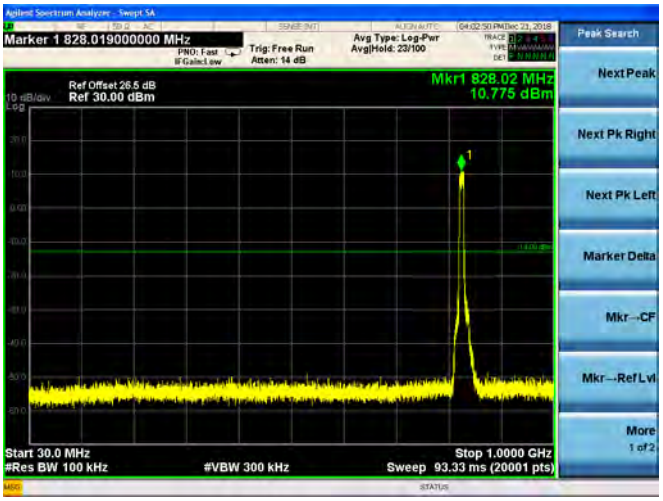
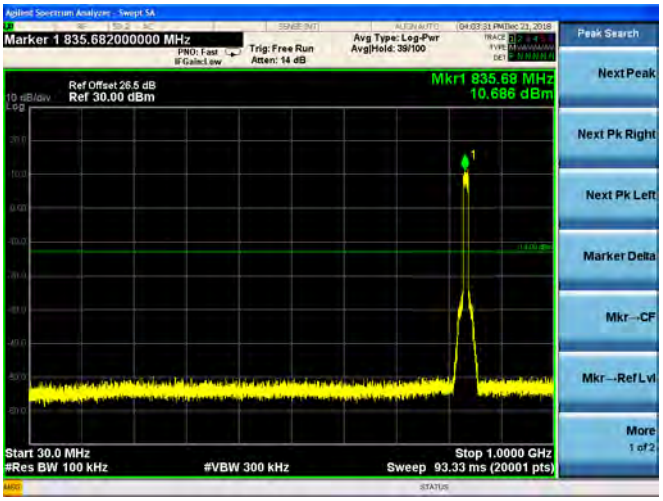
	

LTE Band 5 10MHz BW Mid Channel	
QPSK	
	
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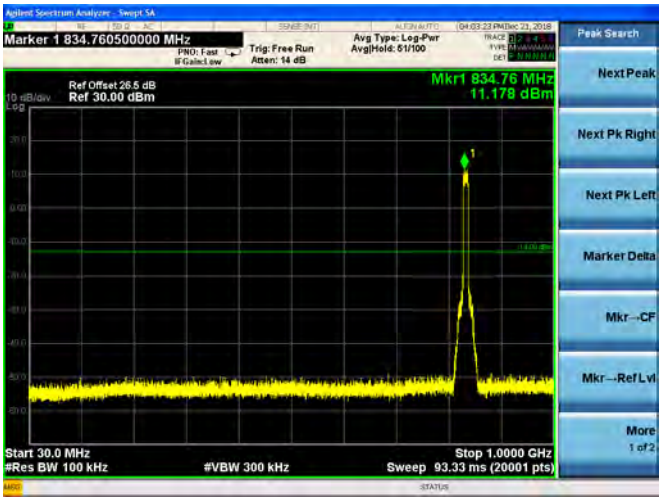
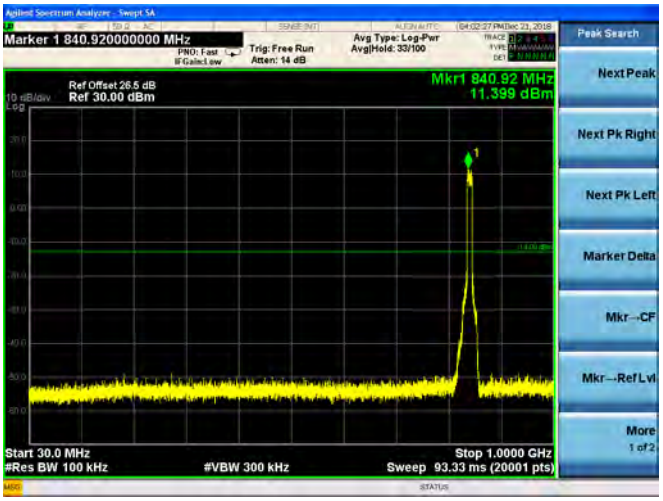
	

LTE Band 5 10MHz BW High Channel	
QPSK	
	
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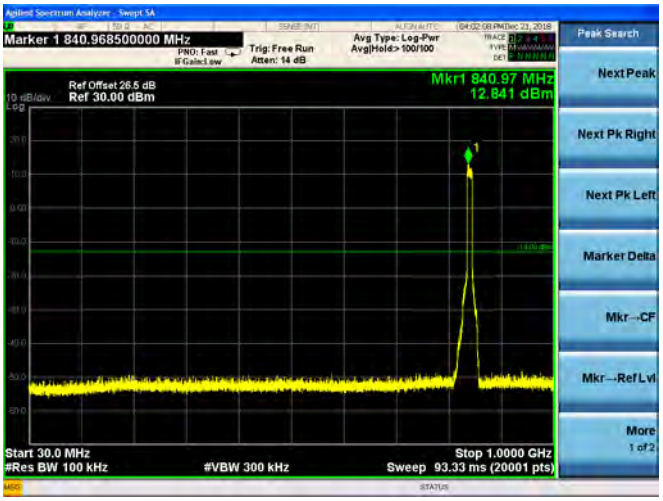
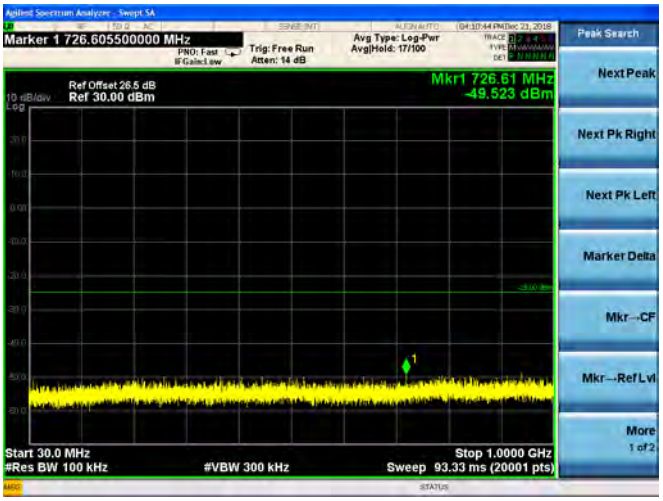
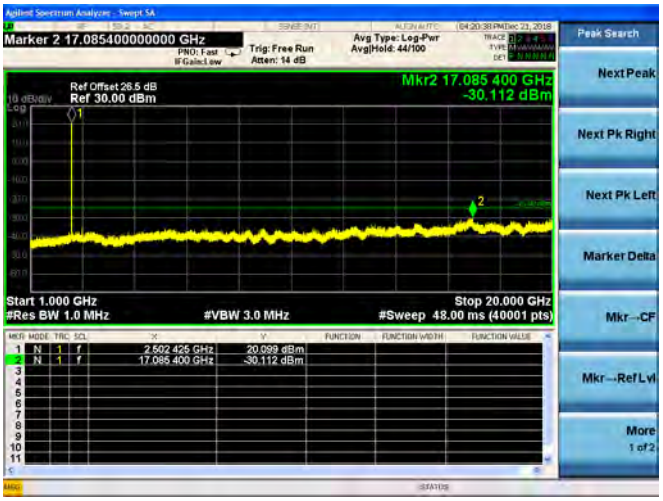
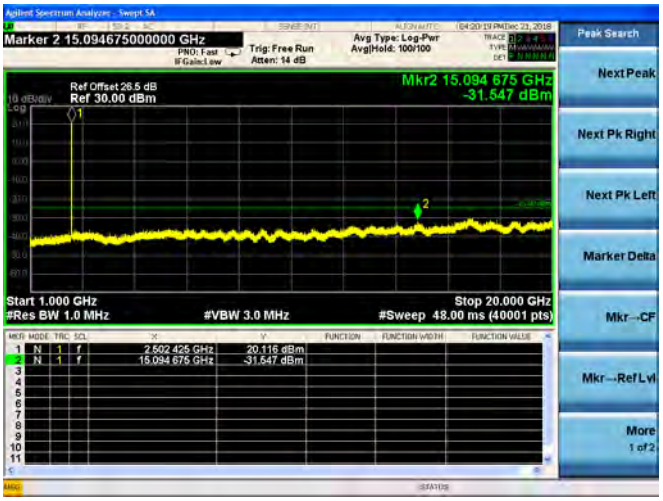
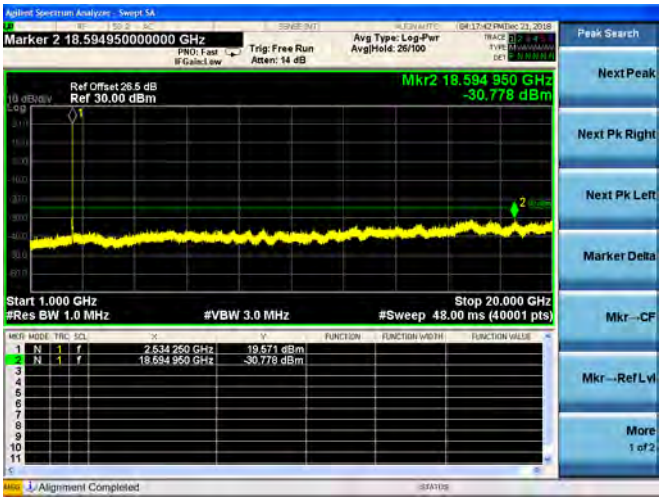
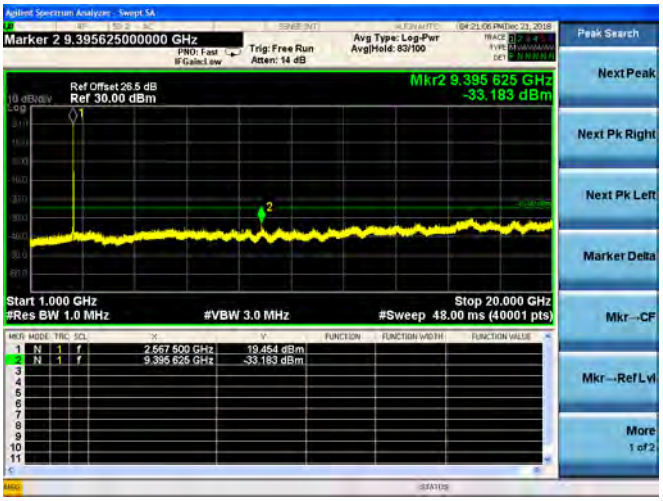
	

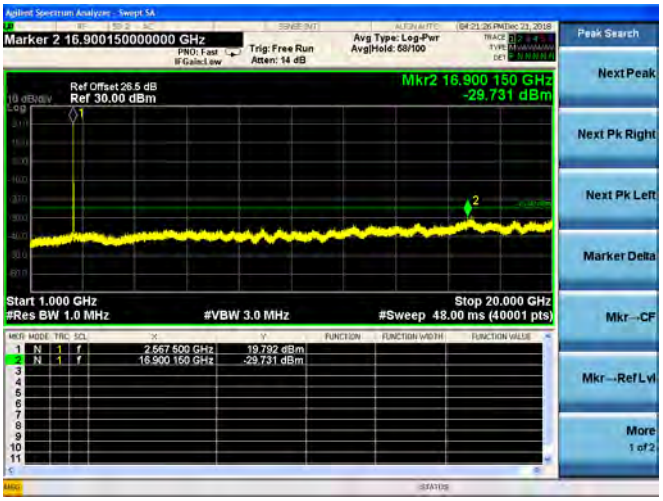
LTE Band 7 5MHz BW Low Channel	
QPSK	
	
	

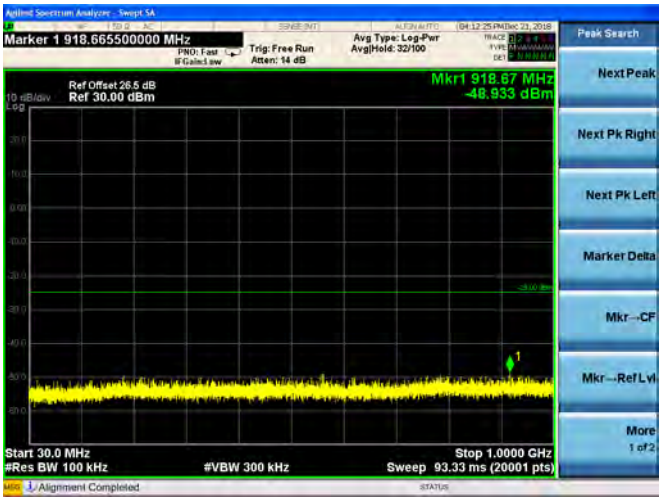
LTE Band 7 5MHz BW Low Channel	
16QAM	
	
	

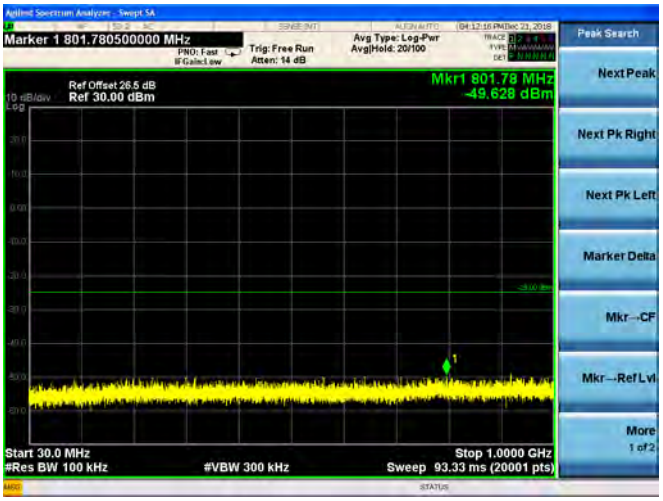
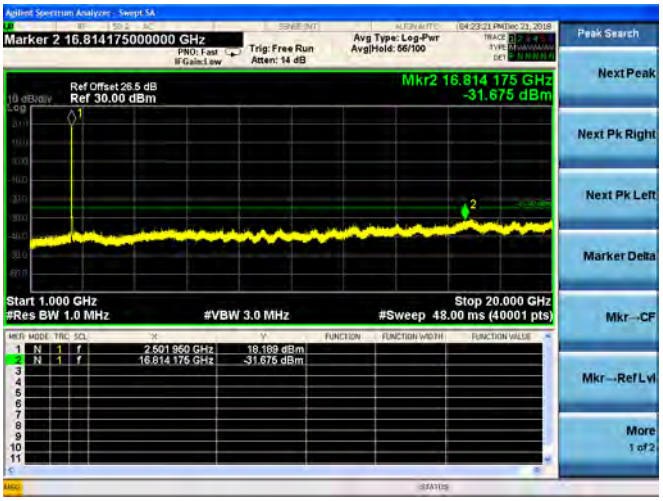
LTE Band 7 5MHz BW Mid Channel	
QPSK	
	
	

LTE Band 7 5MHz BW Mid Channel	
16QAM	
	
	

LTE Band 7 5MHz BW High Channel	
QPSK	
	
	

LTE Band 7 5MHz BW High Channel	
16QAM	
	
	

LTE Band 7 10MHz BW Low Channel	
QPSK	
	
	

LTE Band 7 10MHz BW Low Channel	
16QAM	
	
	

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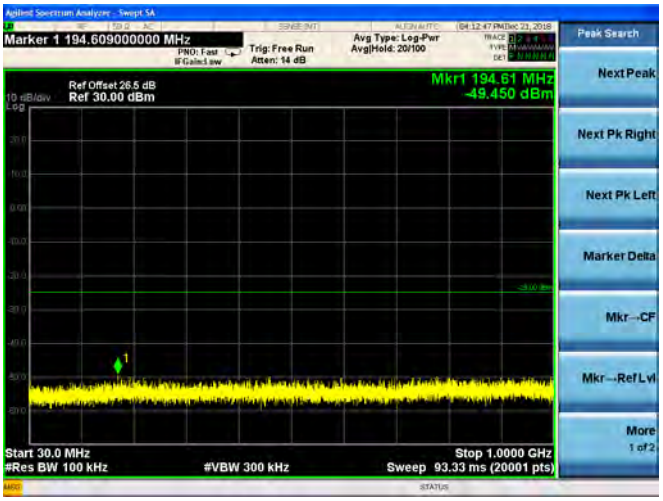
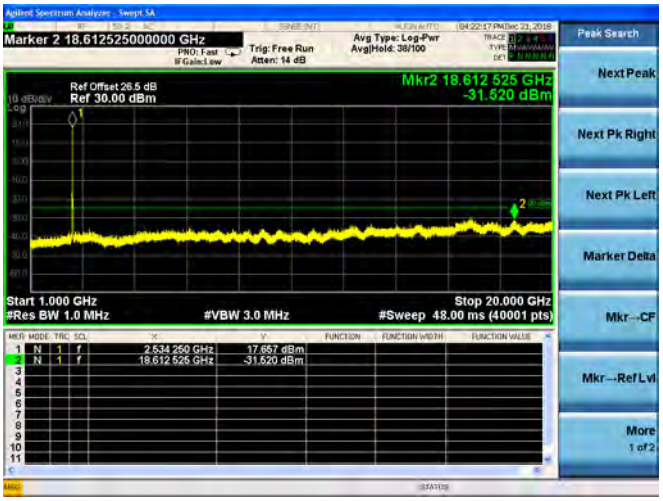
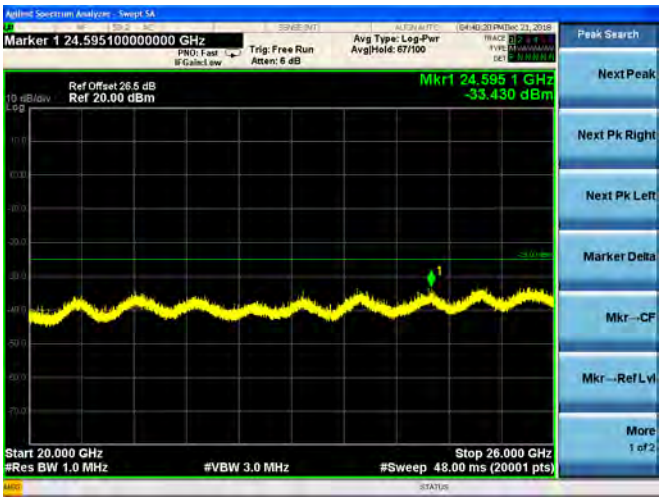
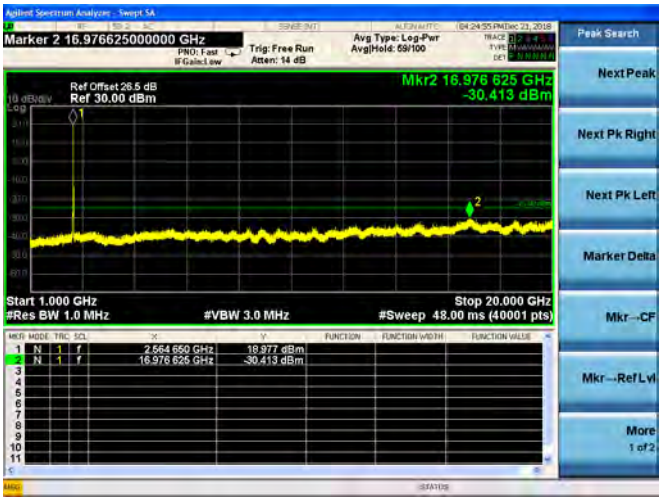
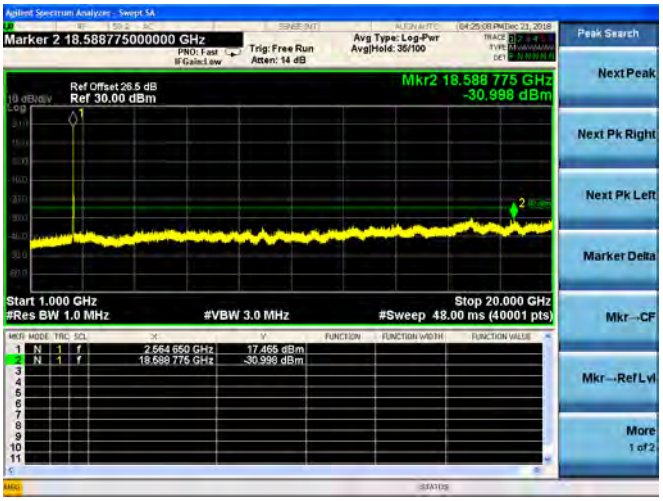
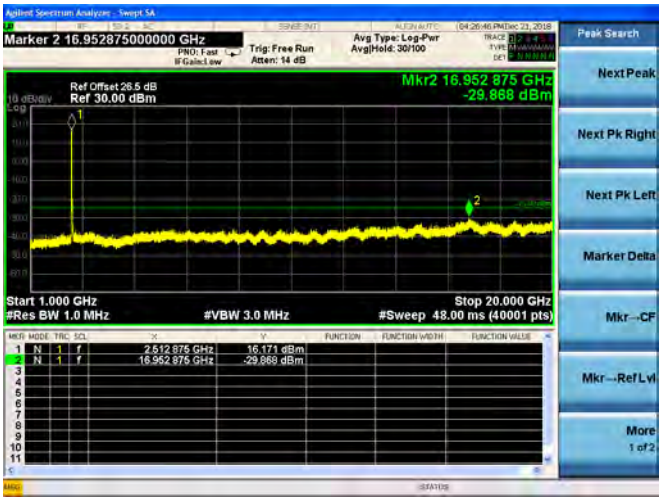
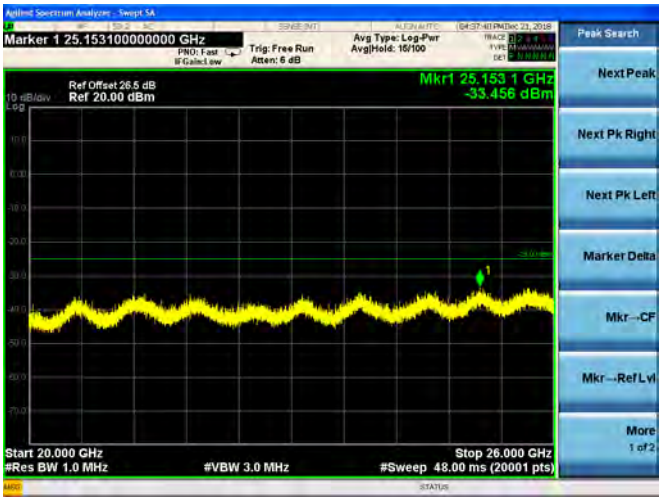
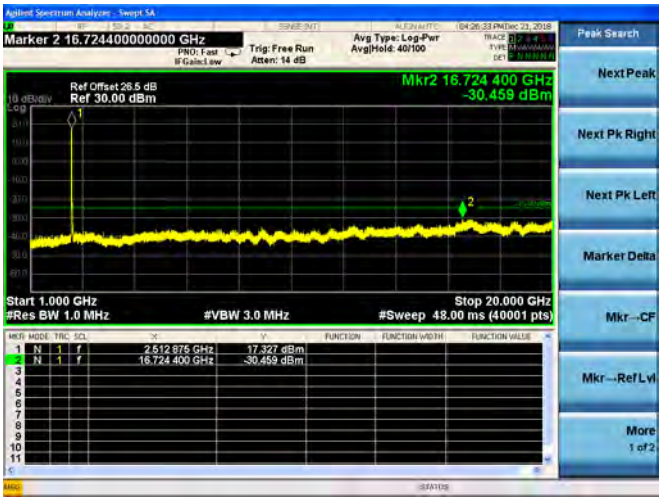
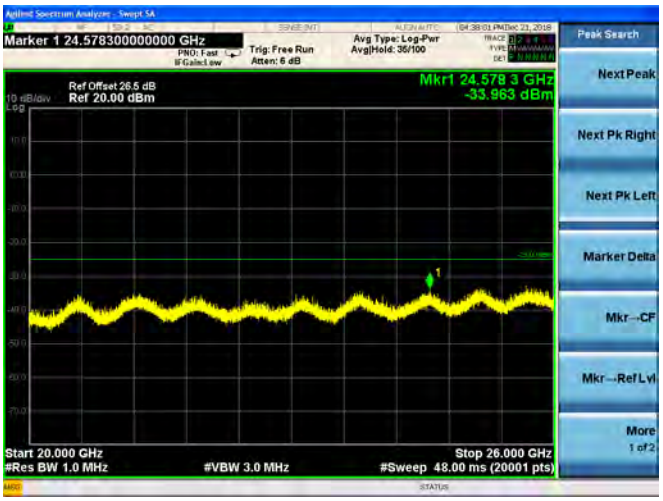
QPSK	
	
	

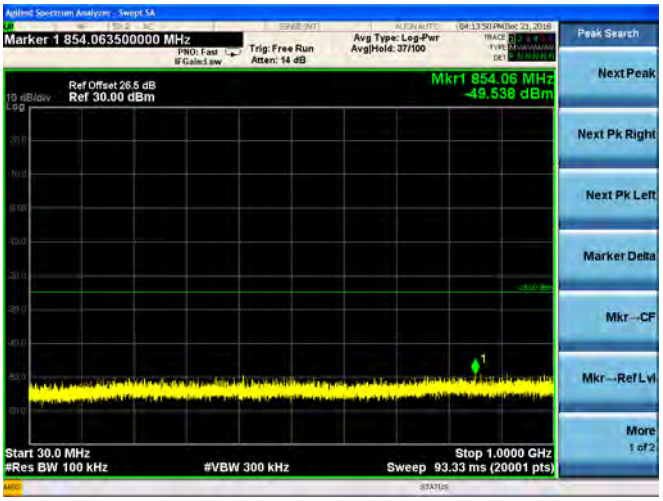
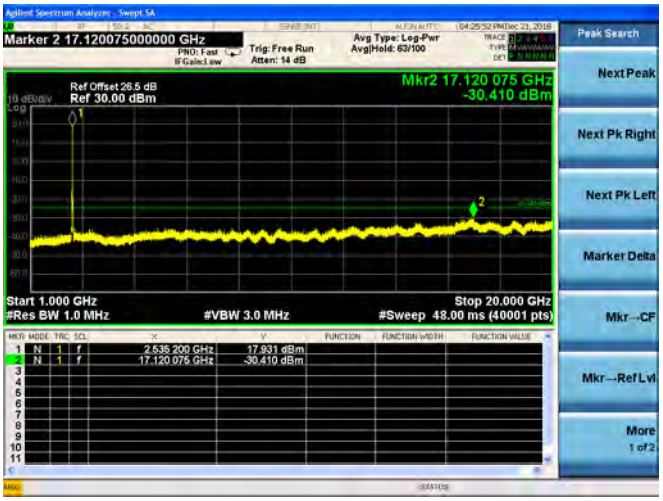
LTE Band 7 10MHz BW Mid Channel	
16QAM	
	
	

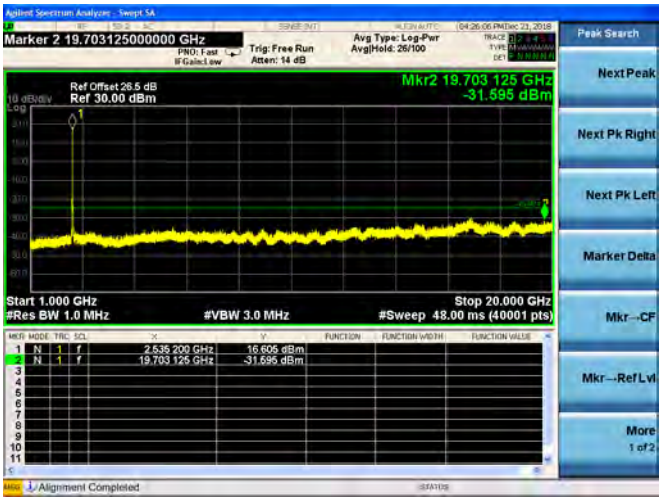
LTE Band 7 10MHz BW High Channel	
QPSK	
	
	

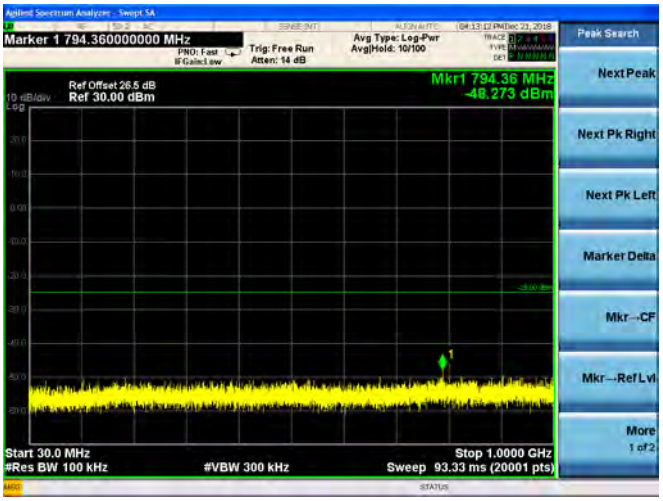
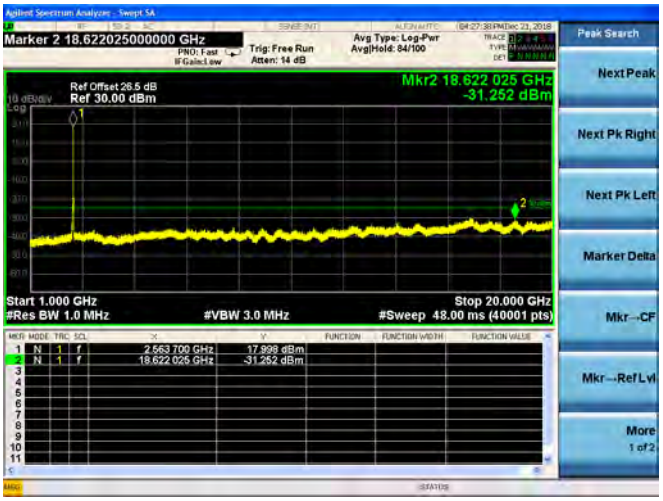
LTE Band 7 10MHz BW High Channel	
16QAM	
	
	

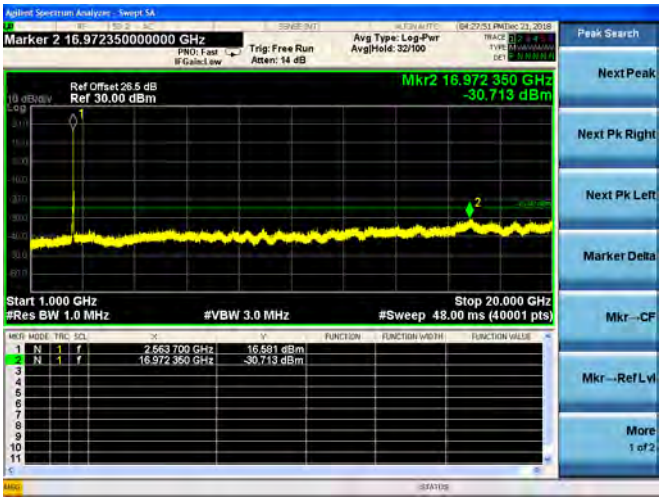
LTE Band 7 15MHz BW Low Channel	
QPSK	
	
	

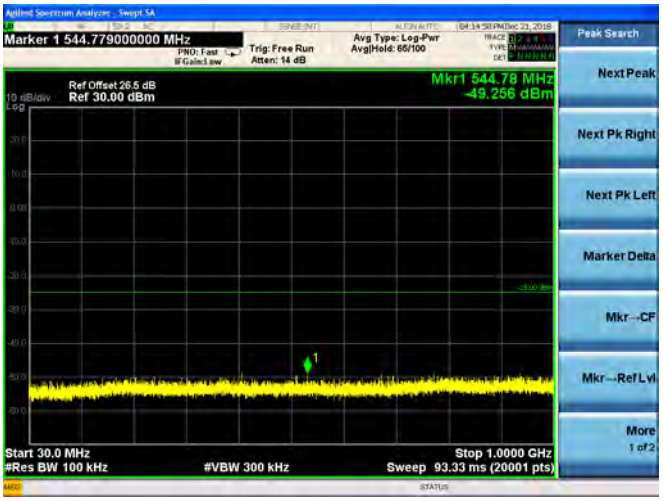
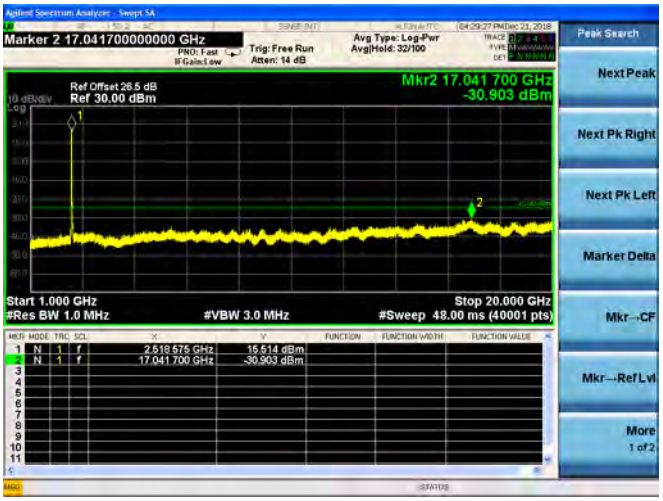
LTE Band 7 15MHz BW Low Channel	
16QAM	
	
	

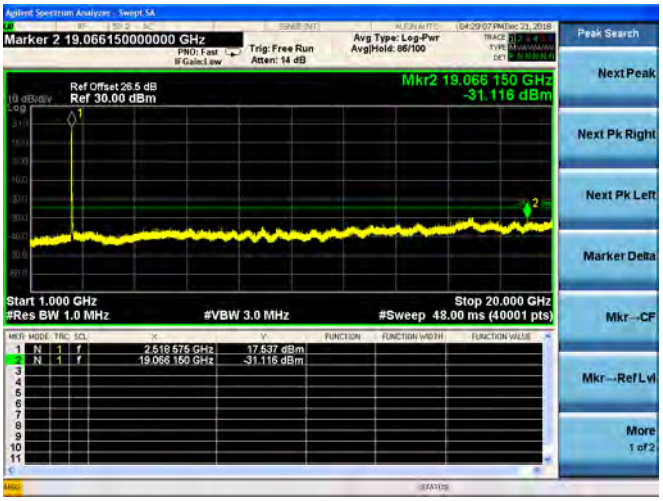
LTE Band 7 15MHz BW Mid Channel	
QPSK	
	
	

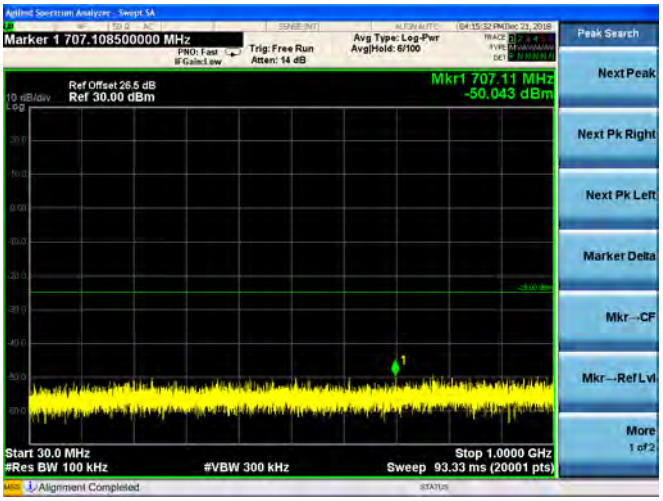
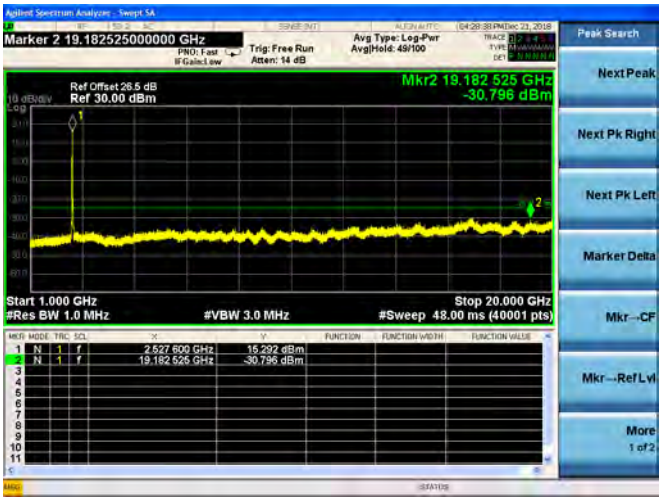
LTE Band 7 15MHz BW Mid Channel	
16QAM	
	
	

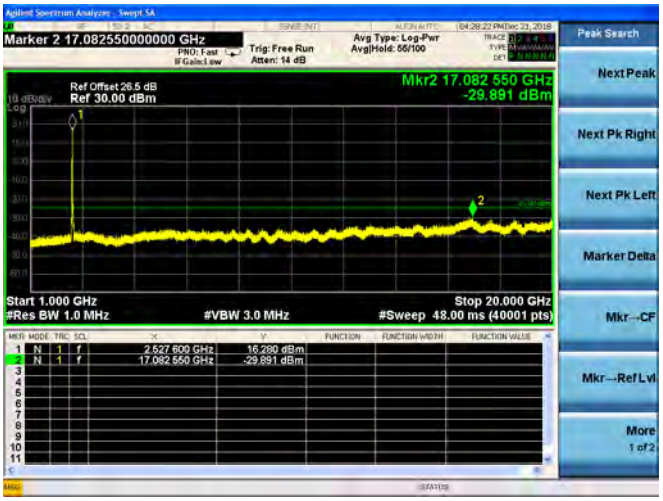
LTE Band 7 15MHz BW High Channel	
QPSK	
	
	

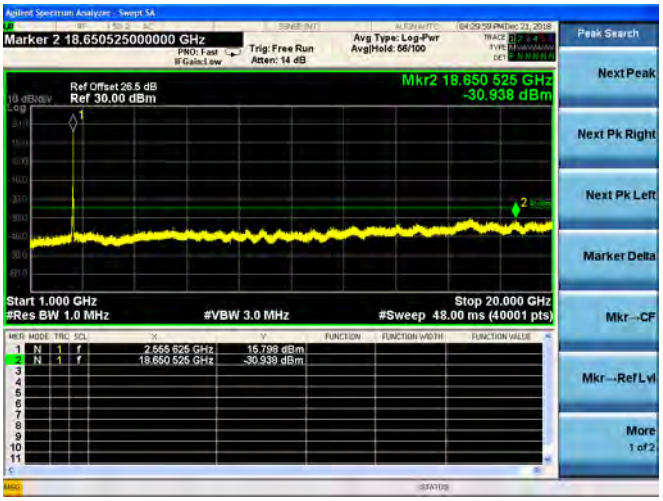
LTE Band 7 15MHz BW High Channel	
16QAM	
	
	

LTE Band 7 20MHz BW Low Channel	
QPSK	
	
	

LTE Band 7 20MHz BW Low Channel	
16QAM	
	
	

LTE Band 7 20MHz BW Mid Channel	
QPSK	
	
	

LTE Band 7 20MHz BW Mid Channel	
16QAM	
	
	

LTE Band 7 20MHz BW High Channel	
QPSK	
	
	

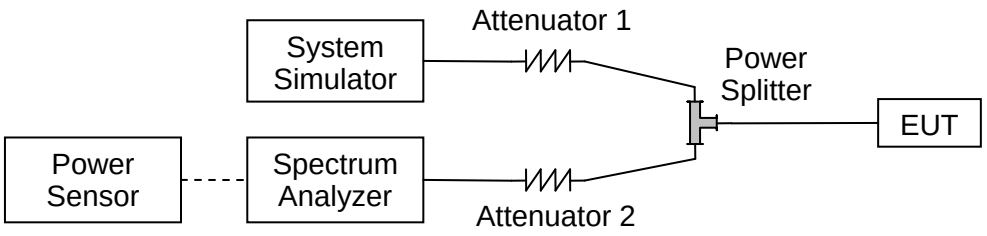
LTE Band 7 20MHz BW High Channel	
16QAM	
	
	

2.6. Band Edge

2.6.1. Requirement

According to FCC section 22.917(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 + 10 log(P) dB.
According to FCC section 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 + 10 log(P) dB.
According to FCC section 27.53(h), For operations in the 1710–1755MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.
According to FCC section 27.53(m) (4), For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

2.6.2. Test Description



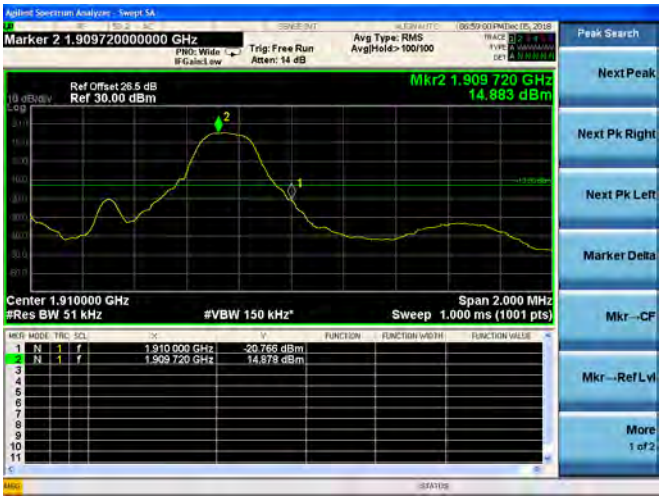
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.6.3. Test procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

2.6.4. Test Result

The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.

<table>
<tr><th colspan="6">LTE Band 2</th></tr>
<tr><td colspan="6">Channel Bandwidth: 1.4MHz</td></tr>
<tr><td>Channel</td><td>18607</td><td>1RB</td><td>Channel</td><td>18607</td><td>FULL RB</td></tr>
<tr><td colspan="3"> 
</td><td colspan="3"> 
</td></tr>
<tr><td colspan="6">Channel Bandwidth: 1.4MHz</td></tr>
<tr><td>Channel</td><td>19192</td><td>1RB</td><td>Channel</td><td>19192</td><td>FULL RB</td></tr>
<tr><td colspan="3"> 
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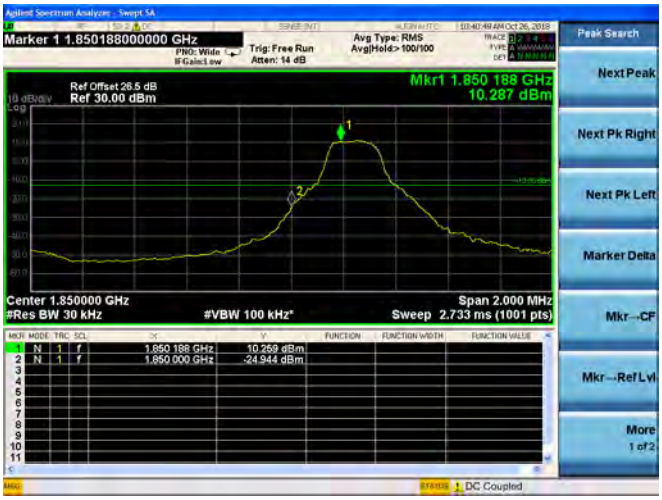
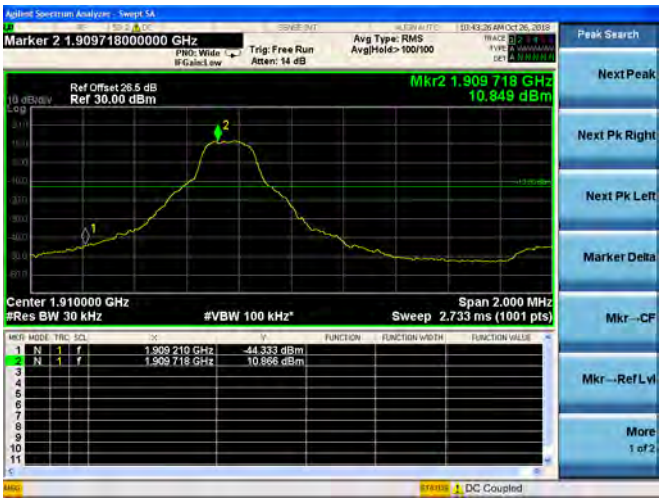
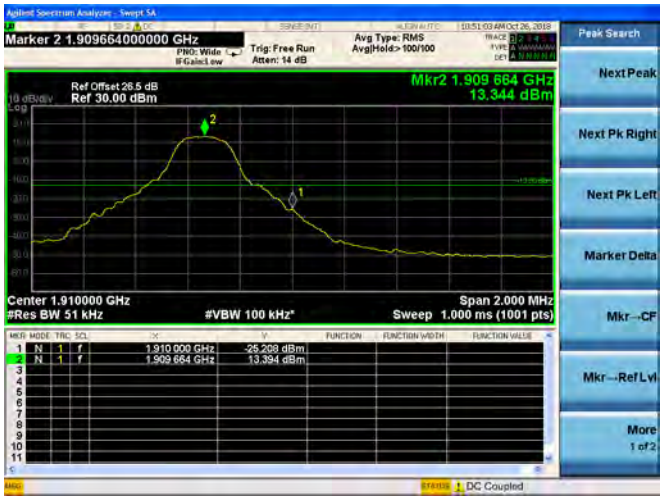
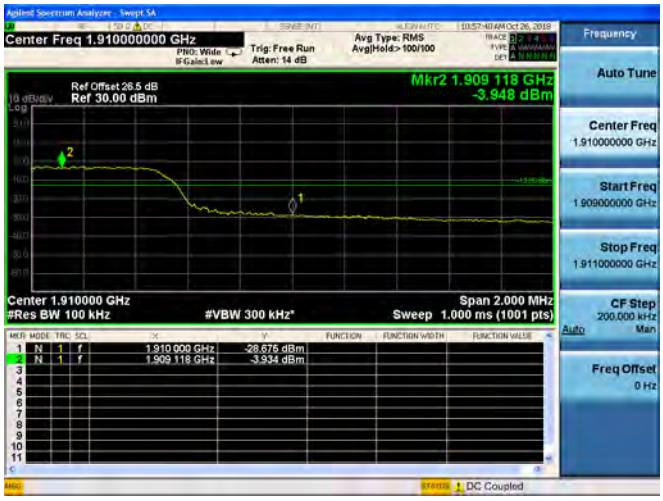
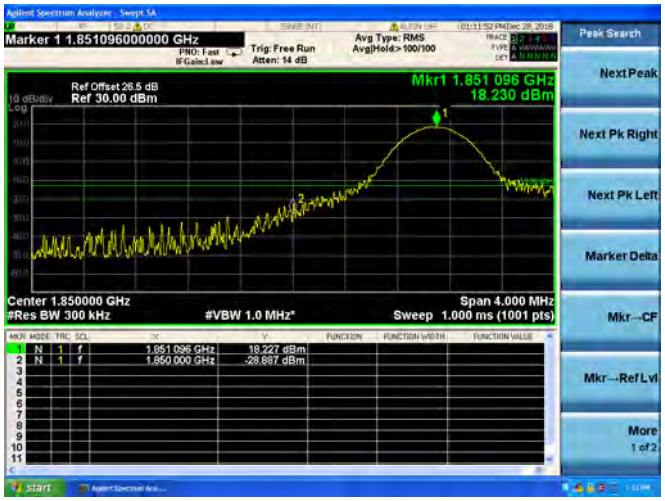
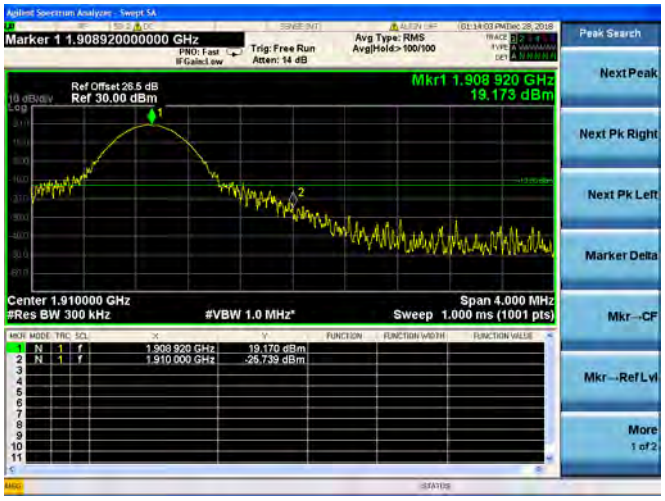
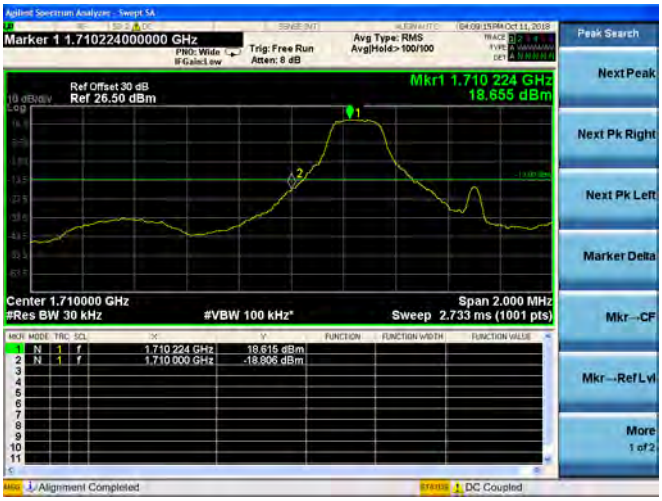
LTE Band 2					
Channel Bandwidth: 3MHz					
Channel	18165	1RB	Channel	18165	FULL RB
					
Channel Bandwidth: 3MHz					
Channel	19184	1RB	Channel	19184	FULL RB
					

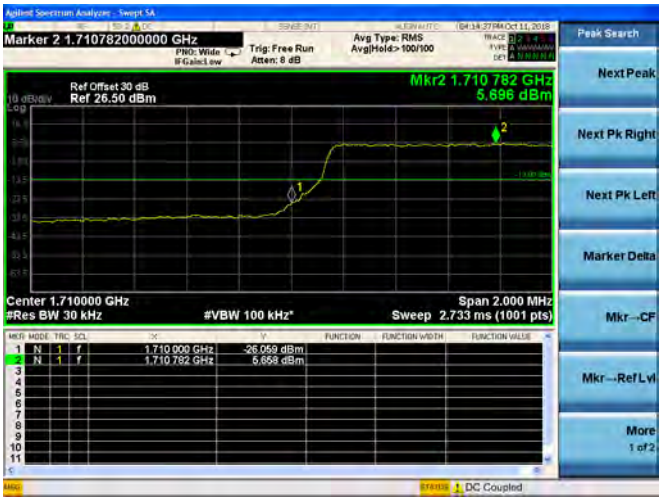
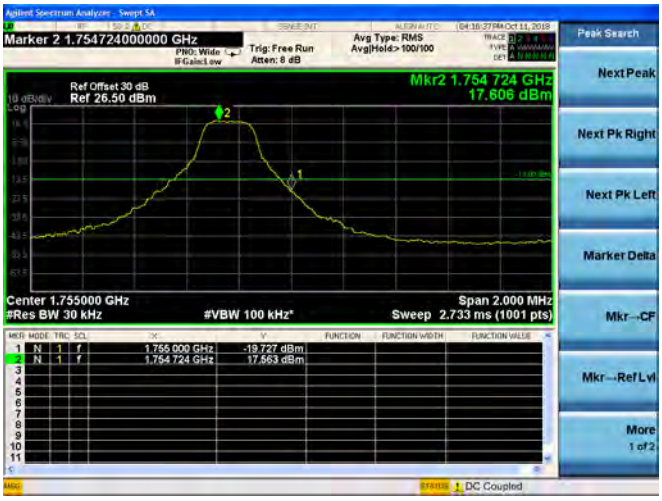
LTE Band 2					
Channel Bandwidth: 5MHz					
Channel	18625	1RB	Channel	18625	FULL RB
					
Channel Bandwidth: 5MHz					
Channel	19175	1RB	Channel	19175	FULL RB
					

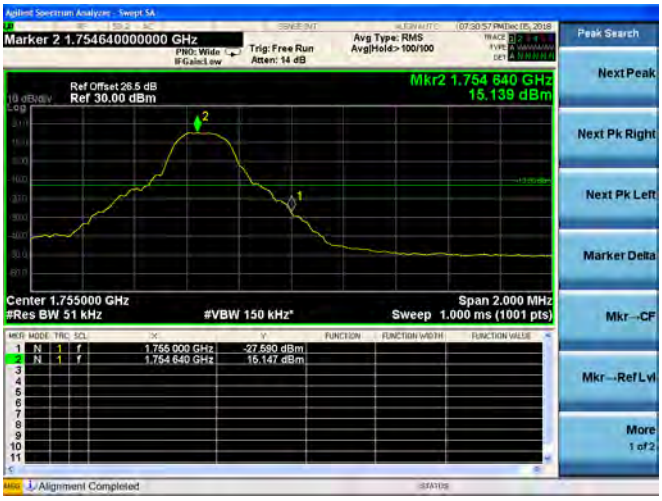
LTE Band 2					
Channel Bandwidth: 10MHz					
Channel	18650	1RB	Channel	18650	FULL RB
					
Channel Bandwidth: 10MHz					
Channel	19150	1RB	Channel	19150	FULL RB
					

LTE Band 2					
Channel Bandwidth: 15MHz					
Channel	18675	1RB	Channel	18675	FULL RB
					
Channel Bandwidth: 15MHz					
Channel	19125	1RB	Channel	19125	FULL RB
					

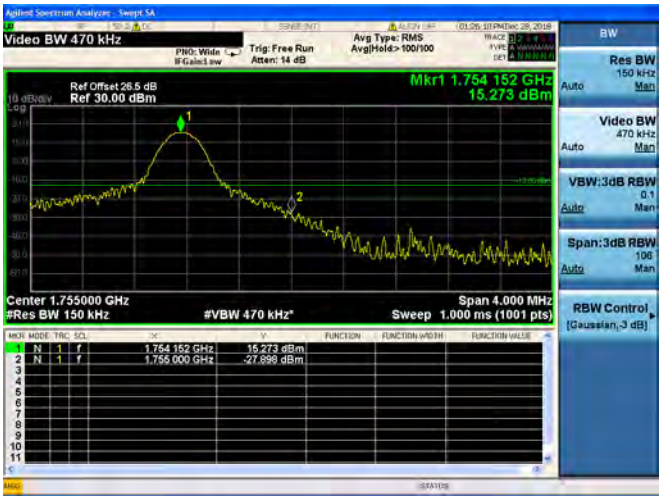
LTE Band 2					
Channel Bandwidth: 20MHz					
Channel	18700	1RB	Channel	18700	FULL RB
					
Channel Bandwidth: 20MHz					
Channel	19100	1RB	Channel	19100	FULL RB
					

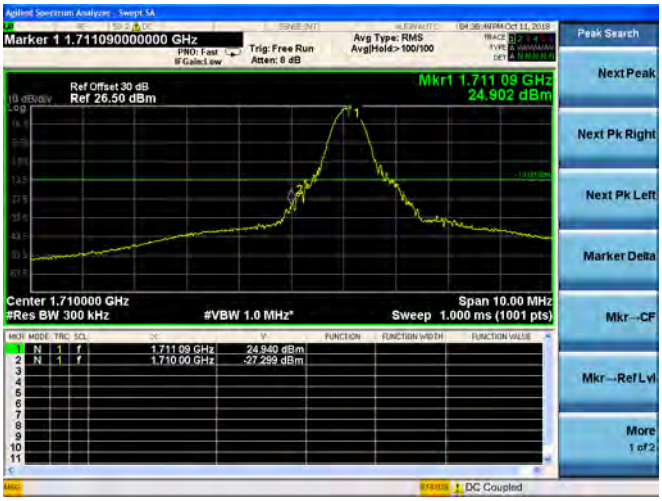
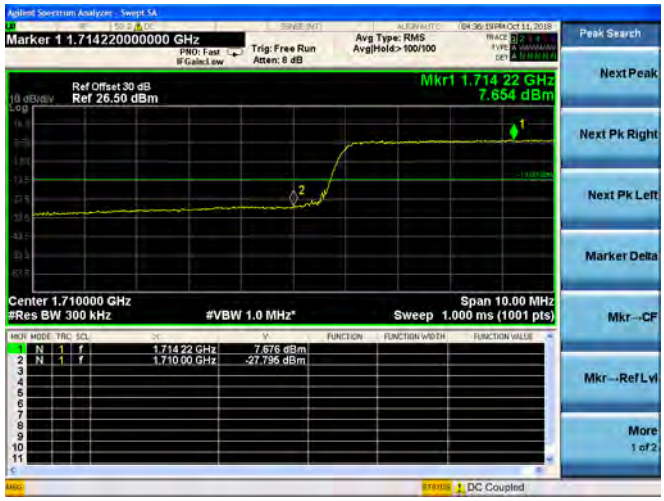
LTE Band 4					
Channel Bandwidth: 1.4MHz					
Channel	19957	1RB	Channel	20393	FULL RB
					
Channel Bandwidth: 1.4MHz					
Channel	19957	1RB	Channel	20393	FULL RB
					

LTE Band 4					
Channel Bandwidth: 3MHz					
Channel	19965	1RB	Channel	20385	FULL RB
					
Channel Bandwidth: 3MHz					
Channel	19965	1RB	Channel	20385	FULL RB
					

LTE Band 4					
Channel Bandwidth: 5MHz					
Channel	19975	1RB	Channel	20375	FULL RB
					
Channel Bandwidth: 5MHz					
Channel	19975	1RB	Channel	20375	FULL RB
					

LTE Band 4					
Channel Bandwidth: 10MHz					
Channel	20000	1RB	Channel	20350	FULL RB
					
Channel Bandwidth: 10MHz					
Channel	20000	1RB	Channel	20350	FULL RB
					

LTE Band 4					
Channel Bandwidth: 15MHz					
Channel	20025	1RB	Channel	20325	FULL RB
					
Channel Bandwidth: 15MHz					
Channel	20025	1RB	Channel	20325	FULL RB
					

LTE Band 4					
Channel Bandwidth: 20MHz					
Channel	20050	1RB	Channel	20300	FULL RB
					
Channel Bandwidth: 20MHz					
Channel	20050	1RB	Channel	20300	FULL RB
					

LTE Band 5					
Channel Bandwidth: 1.4MHz					
Channel	20407	1RB	Channel	20407	FULL RB
					
Channel Bandwidth: 1.4MHz					
Channel	20643	1RB	Channel	20643	FULL RB
					

LTE Band 5					
Channel Bandwidth: 3MHz					
Channel	20415	1RB	Channel	20415	FULL RB
					
Channel Bandwidth: 3MHz					
Channel	20635	1RB	Channel	20635	FULL RB
					

LTE Band 5					
Channel Bandwidth: 5MHz					
Channel	20425	1RB	Channel	20425	FULL RB
					
Channel Bandwidth: 5MHz					
Channel	20625	1RB	Channel	20625	FULL RB
					

LTE Band 5					
Channel Bandwidth: 10MHz					
Channel	20450	1RB	Channel	20600	FULL RB
					
Channel Bandwidth: 10MHz					
Channel	23130	1RB	Channel	23130	FULL RB