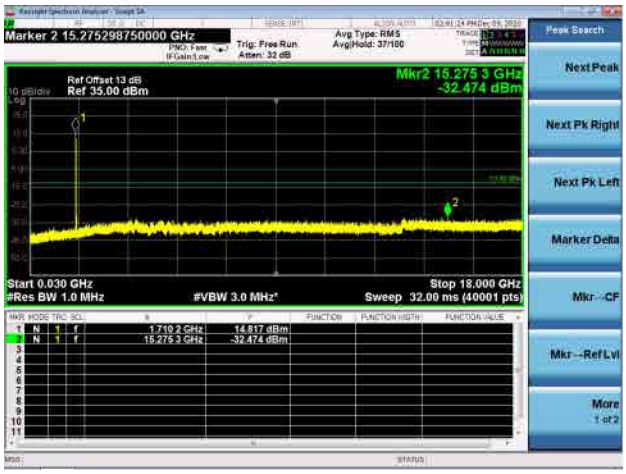
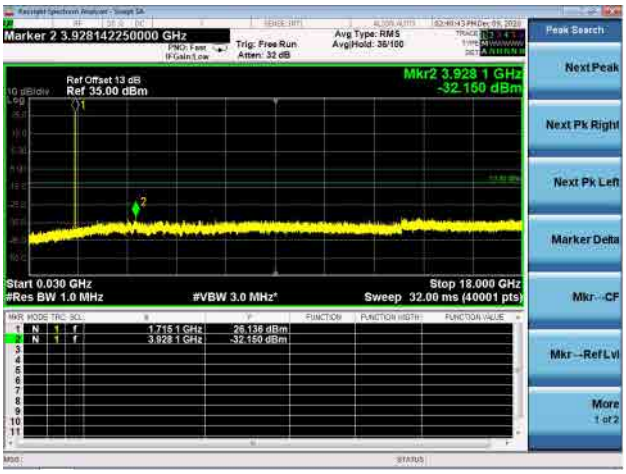
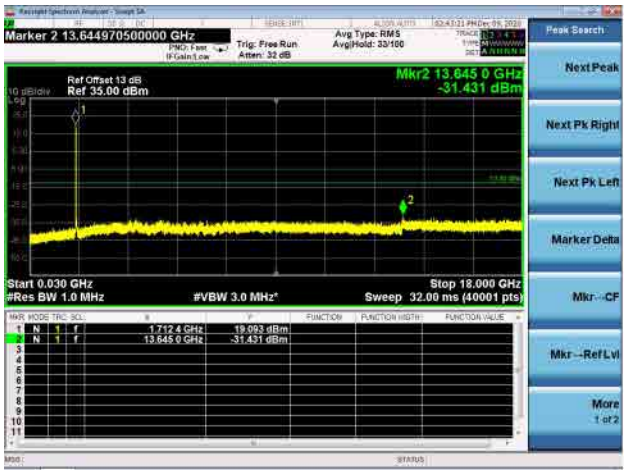
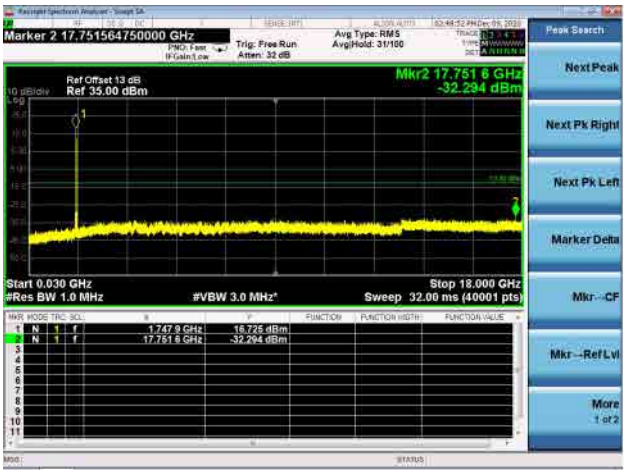
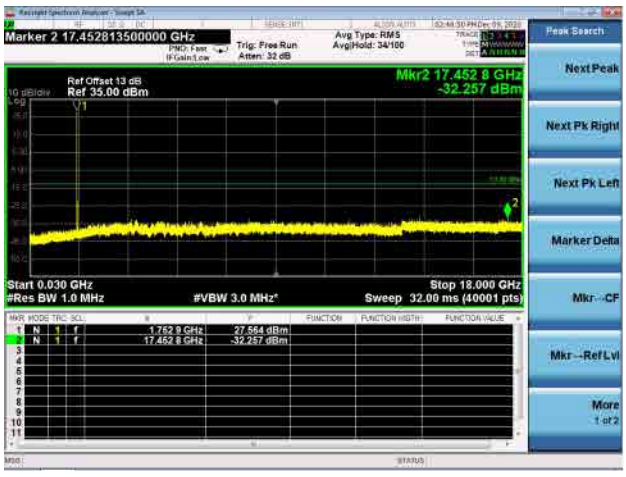
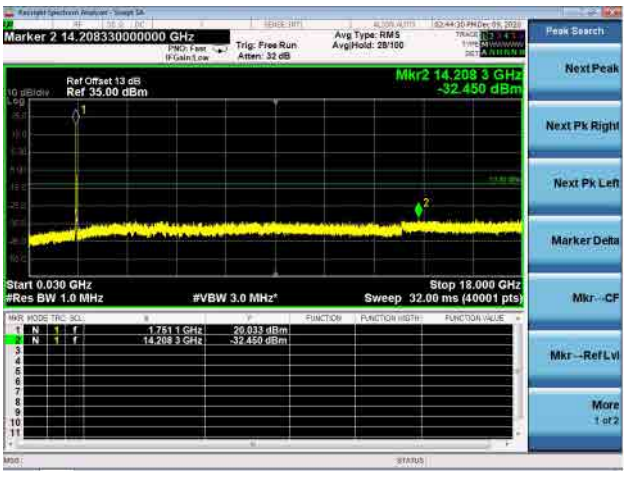
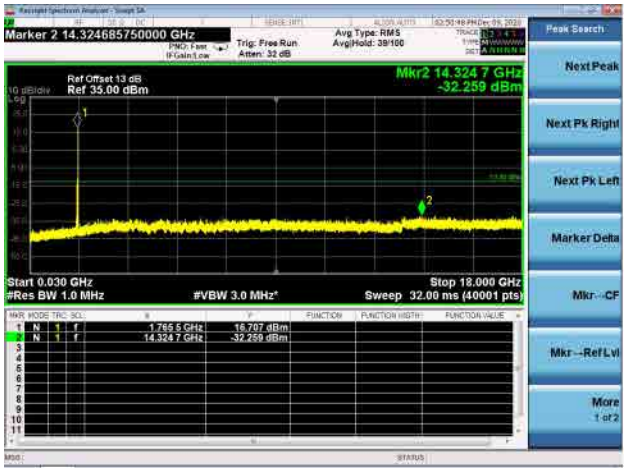
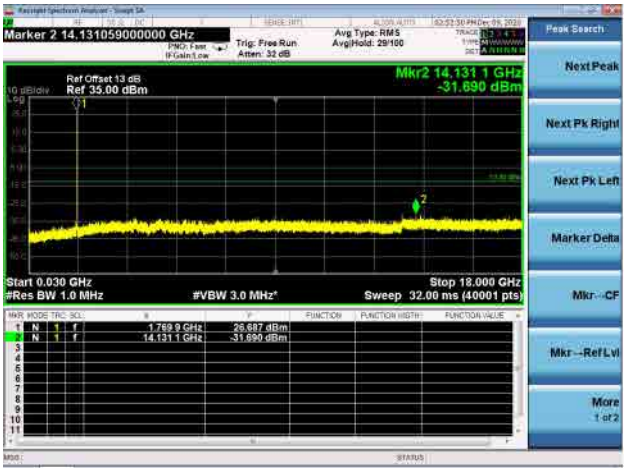
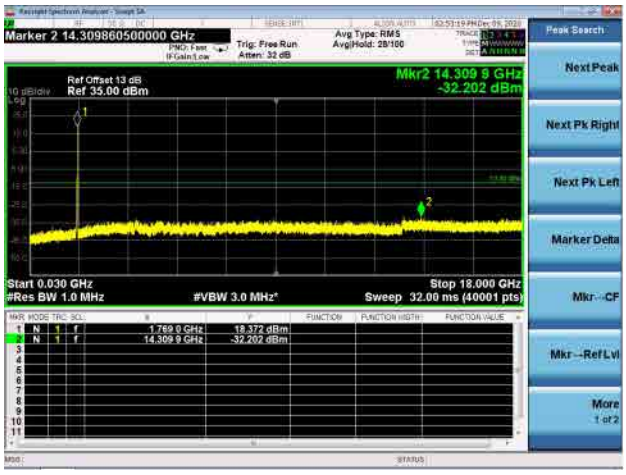
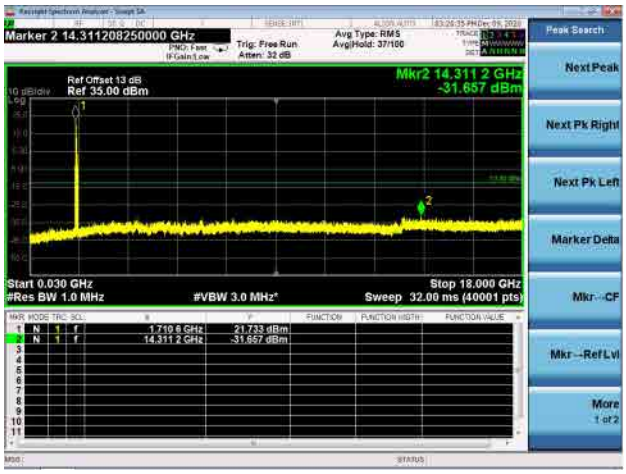
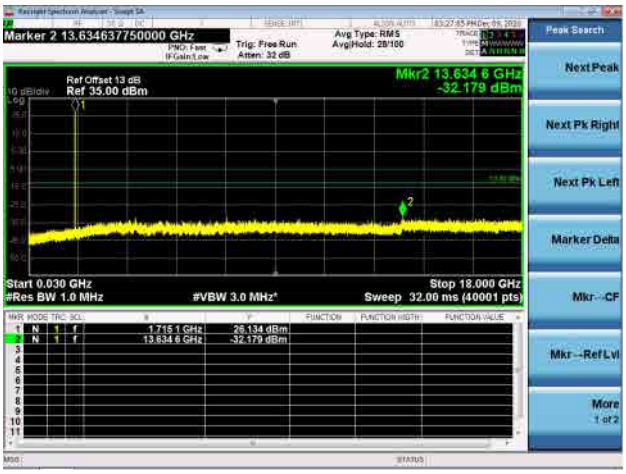
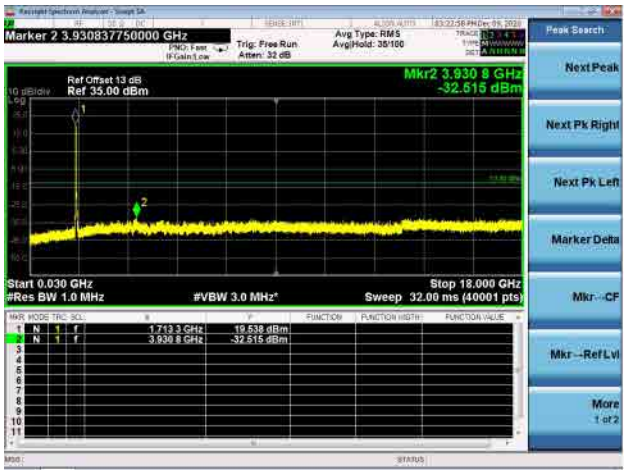
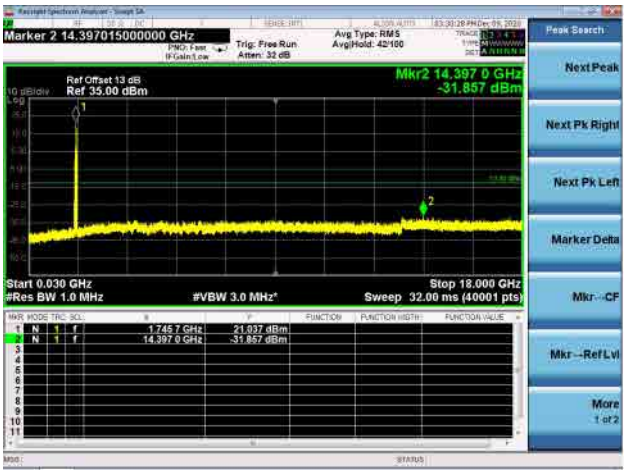
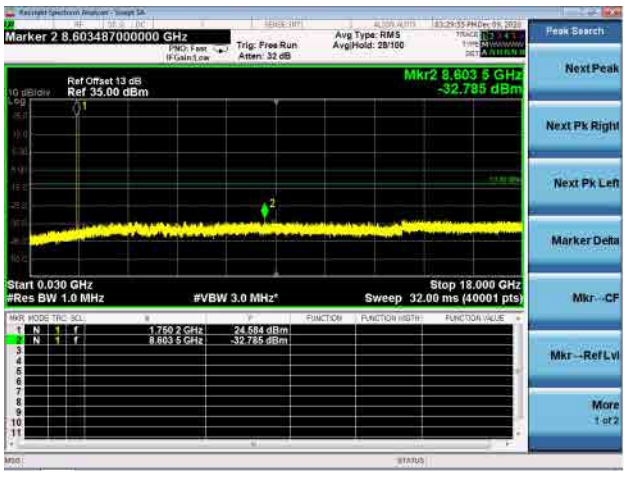
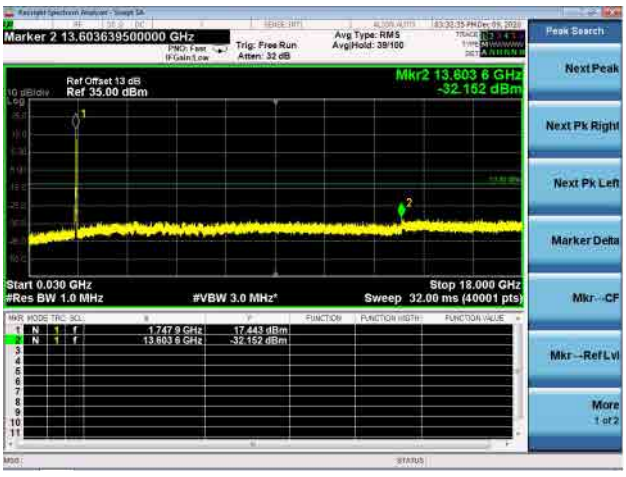
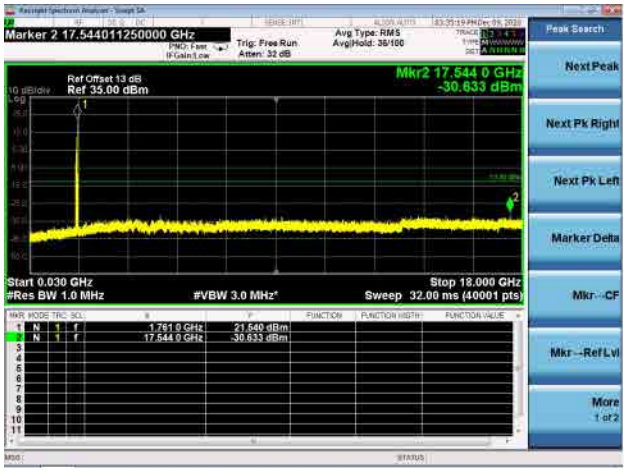
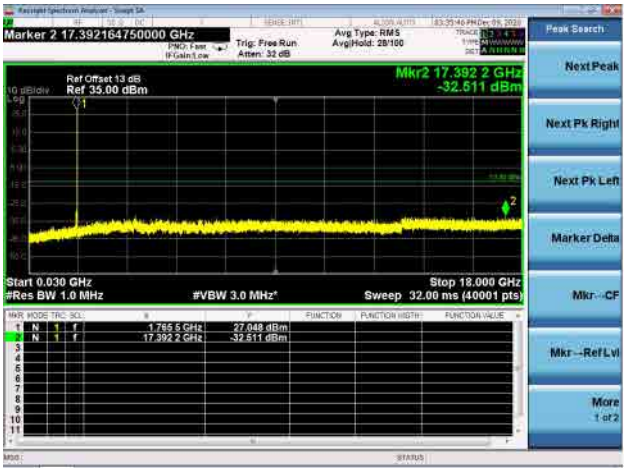
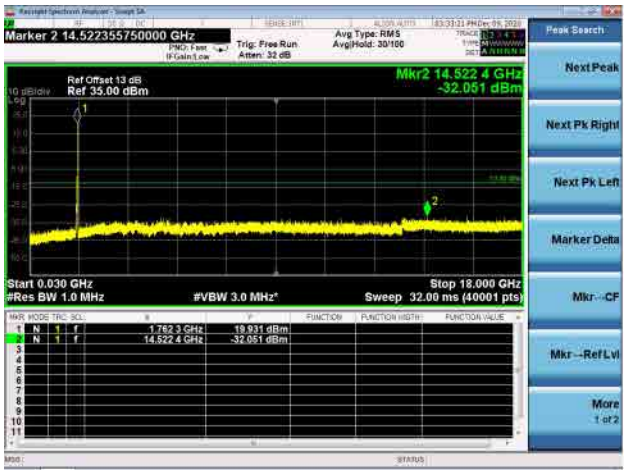
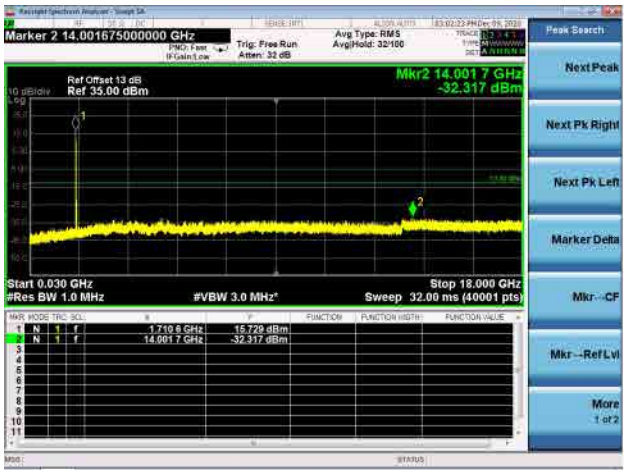
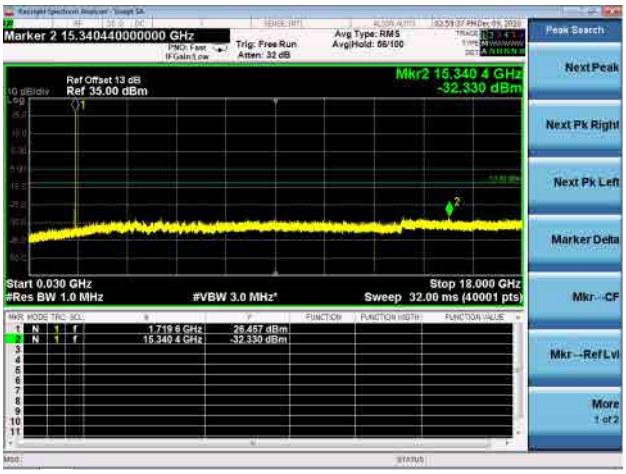
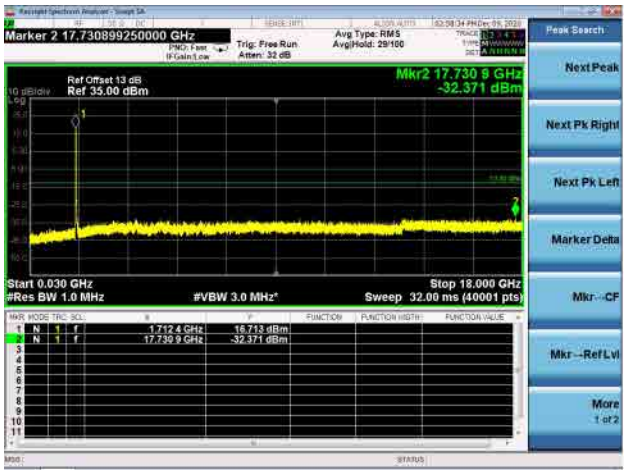
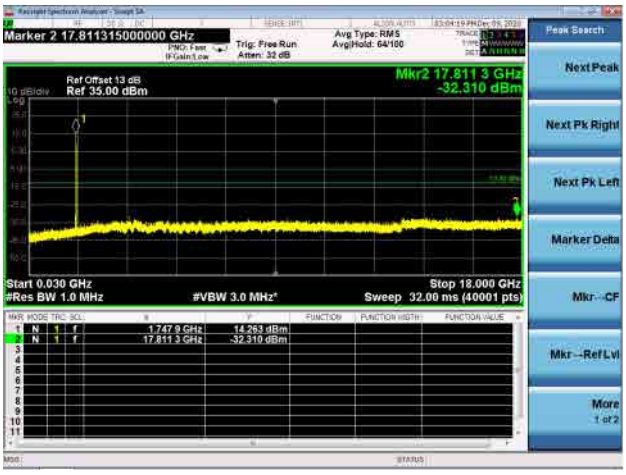
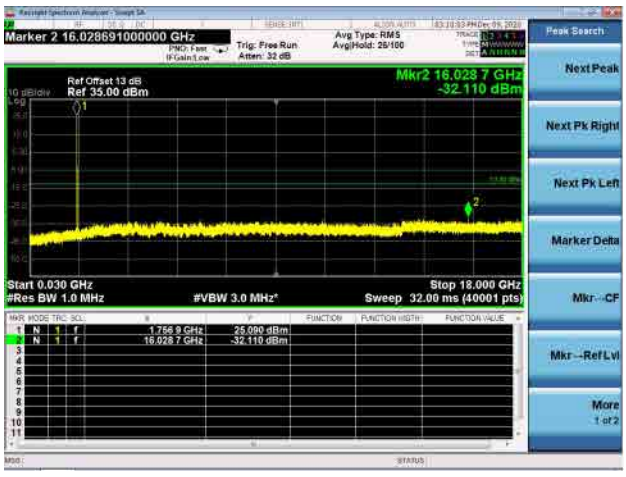
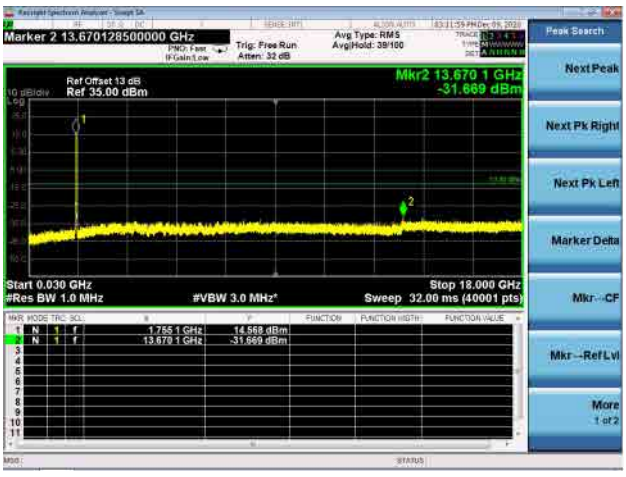
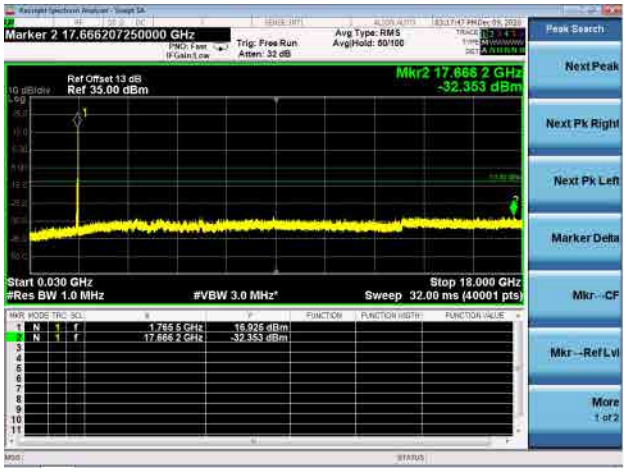
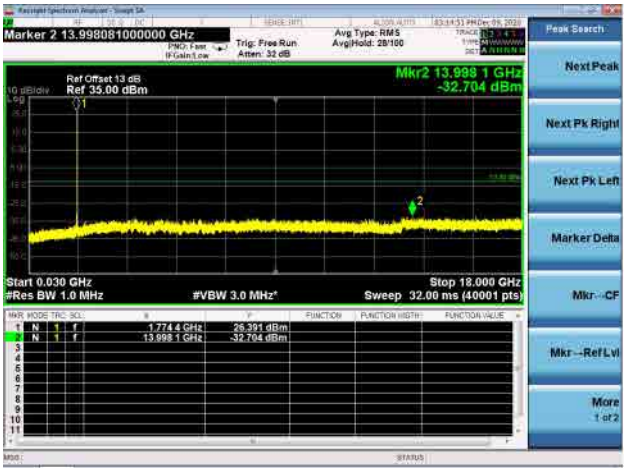
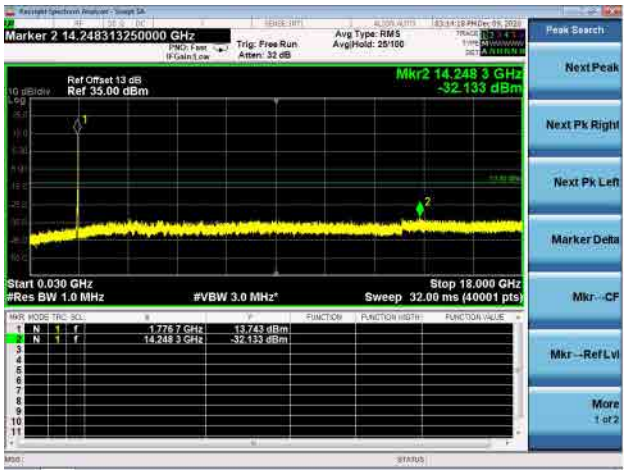
LTE Band 66B CSE	
Channel Bandwidth: 5MHz+10MHz	
LOW CH/QPSK/1RB0 and 1RB49	LOW CH/QPSK/1RB24 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB2449
	
Mid CH/QPSK/1RB24 and 1RB0	Mid CH/QPSK/FULL RB
	

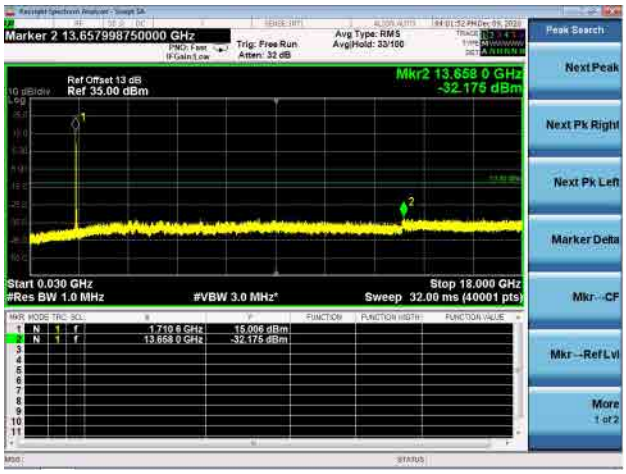
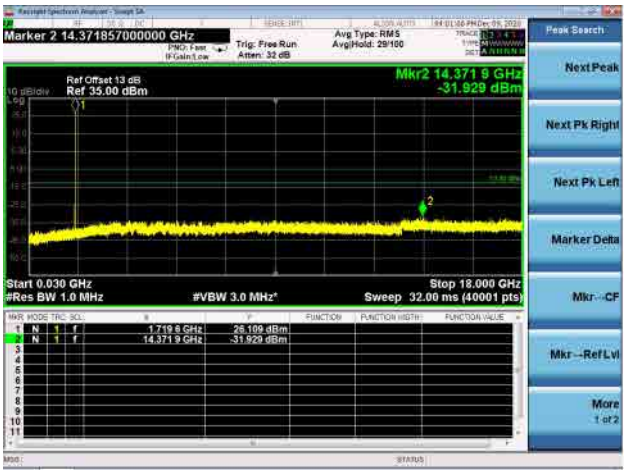
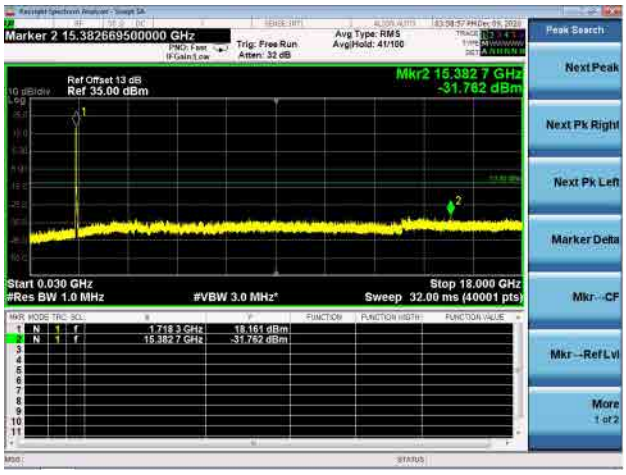
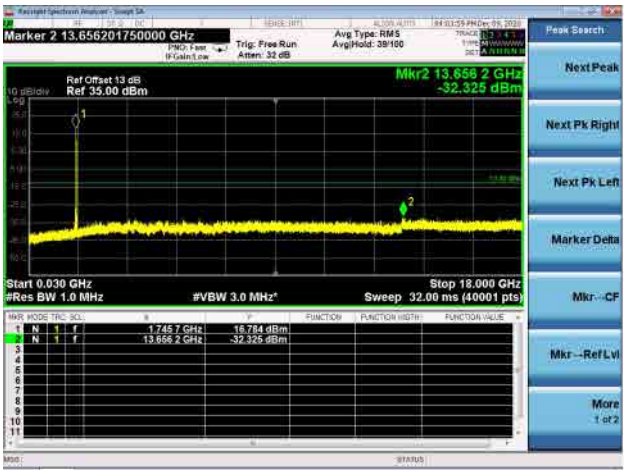
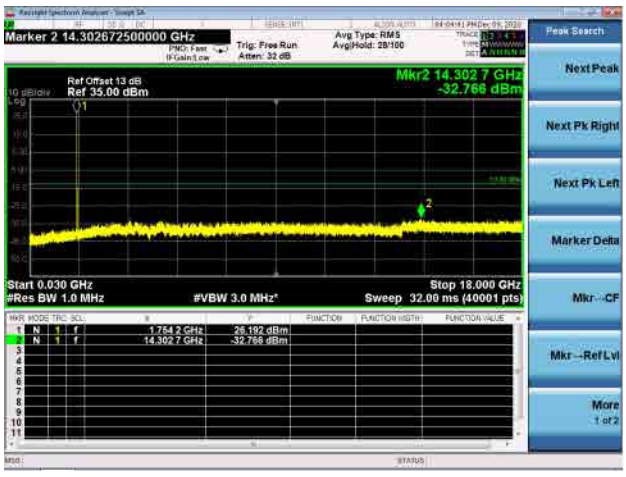
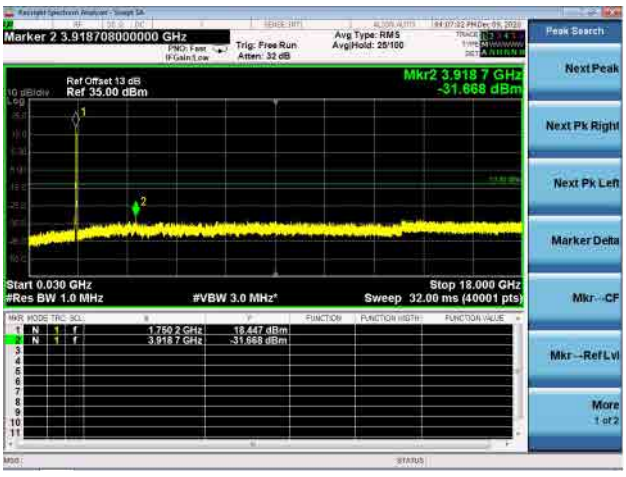
High CH/QPSK/1RB0 and 1RB49	High CH/QPSK/1RB24 and 1RB0
	
High CH/QPSK/FULL RB	
	

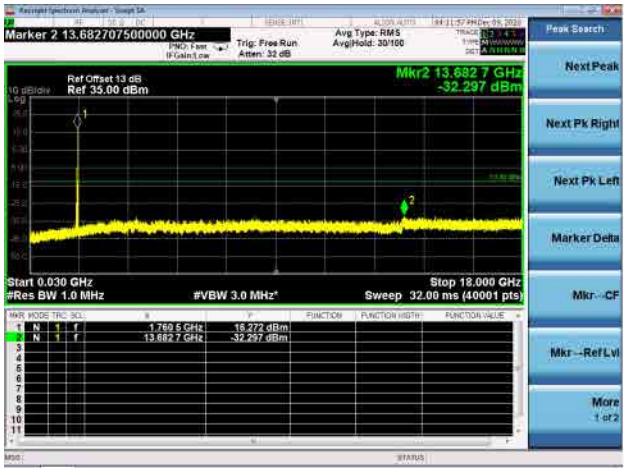
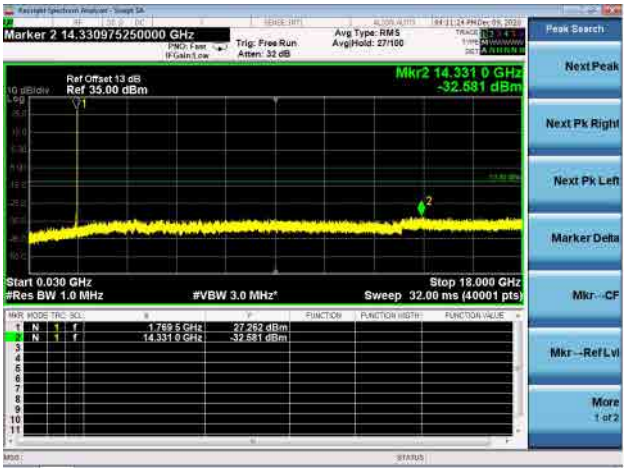
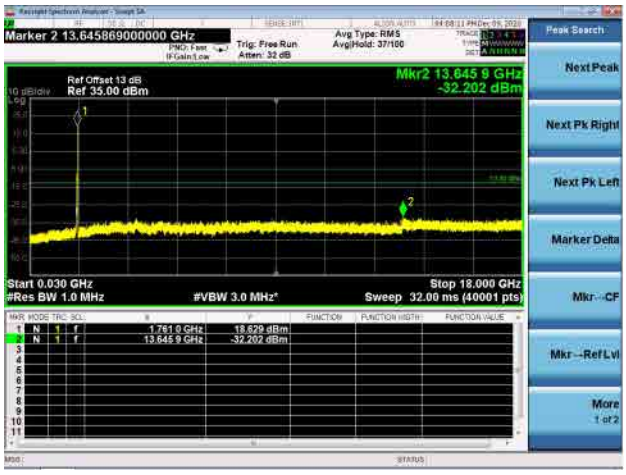
LTE Band 66B CSE	
Channel Bandwidth: 5MHz+15MHz	
LOW CH/QPSK/1RB0 and 1RB74	LOW CH/QPSK/1RB24 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB74
	
Mid CH/QPSK/1RB24 and 1RB0	Mid CH/QPSK/FULL RB
	

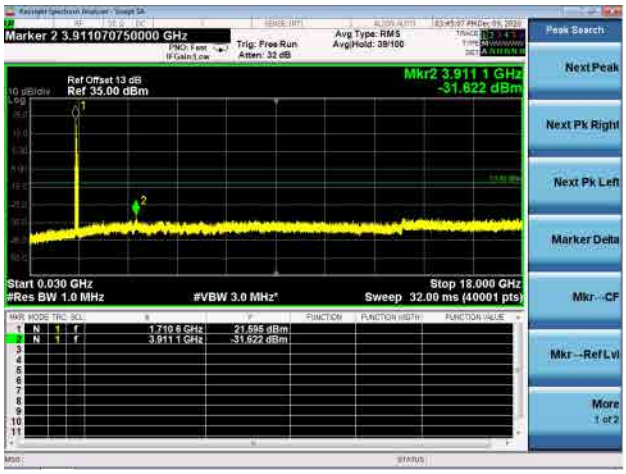
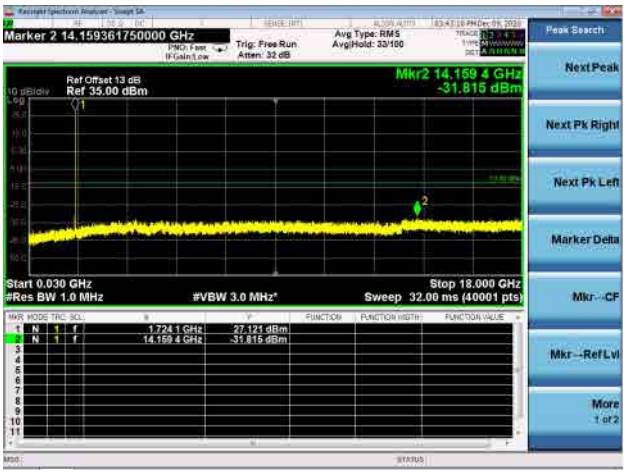
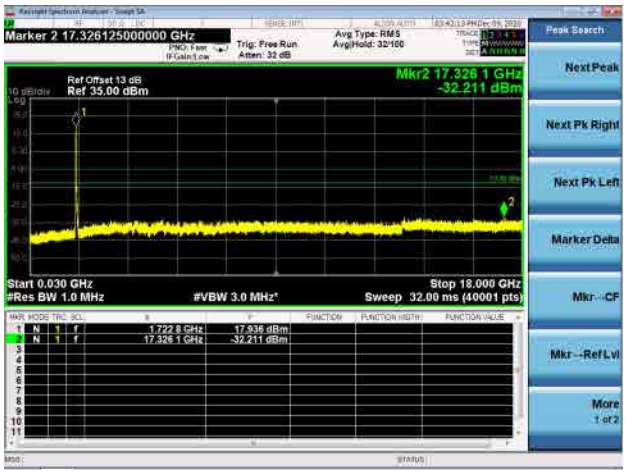
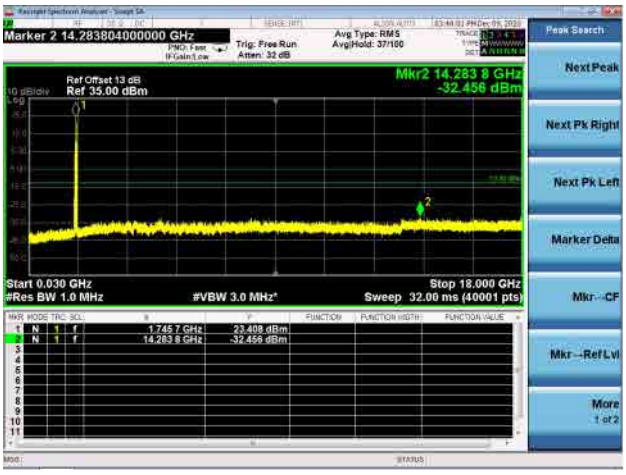
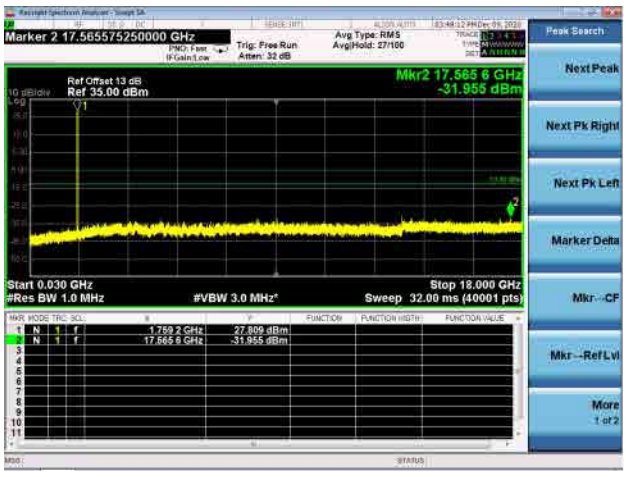
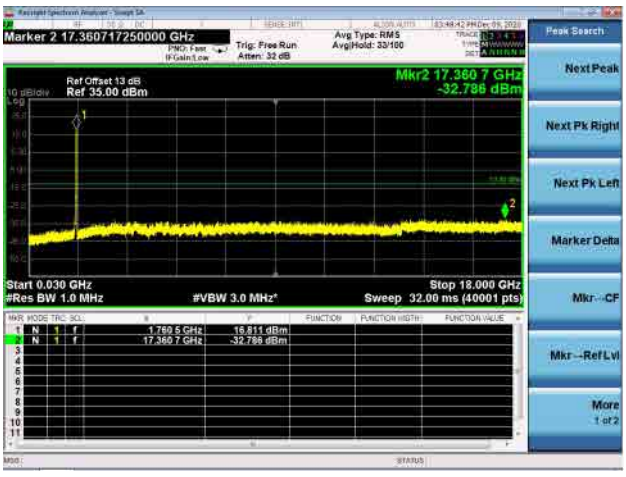
High CH/QPSK/1RB0 and 1RB74	High CH/QPSK/1RB24 and 1RB0
	
High CH/QPSK/FULL RB	
	

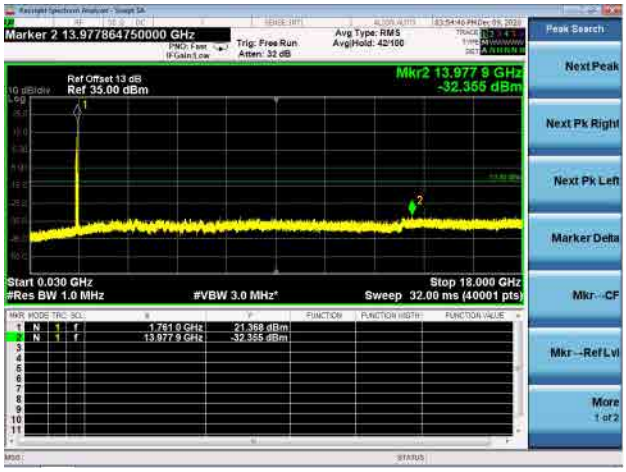
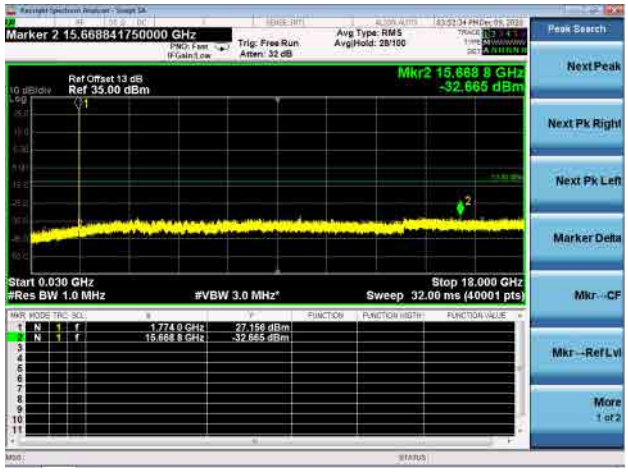
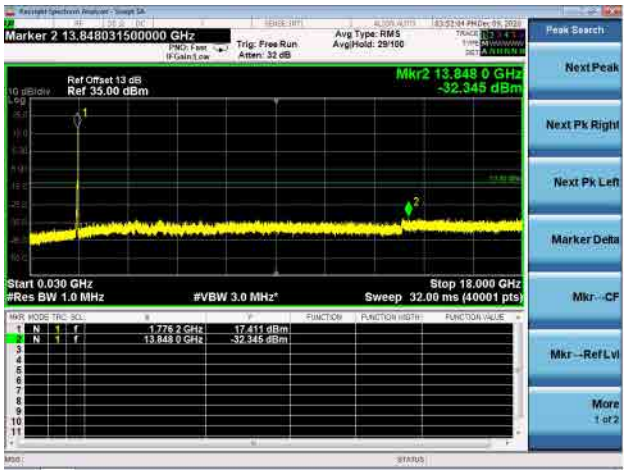
LTE Band 66B CSE	
Channel Bandwidth: 10MHz+5MHz	
LOW CH/QPSK/1RB0 and 1RB24	LOW CH/QPSK/1RB49 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB24
	
Mid CH/QPSK/1RB49 and 1RB0	Mid CH/QPSK/FULL RB
	

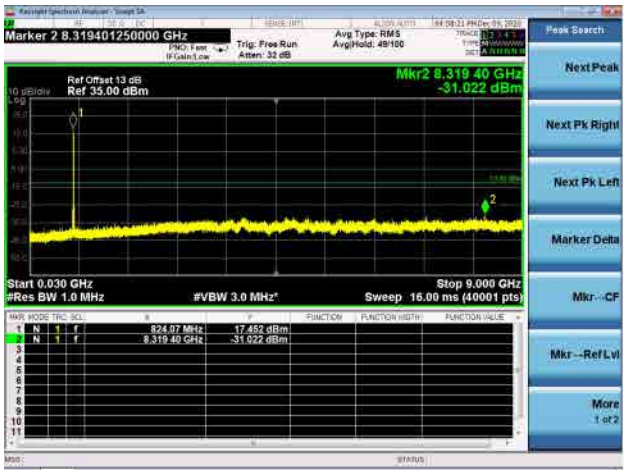
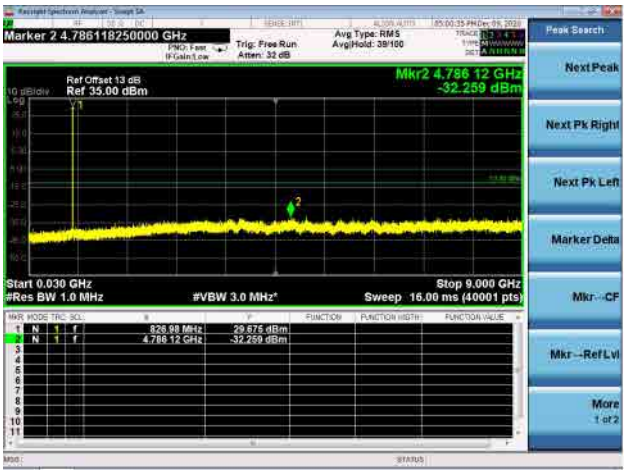
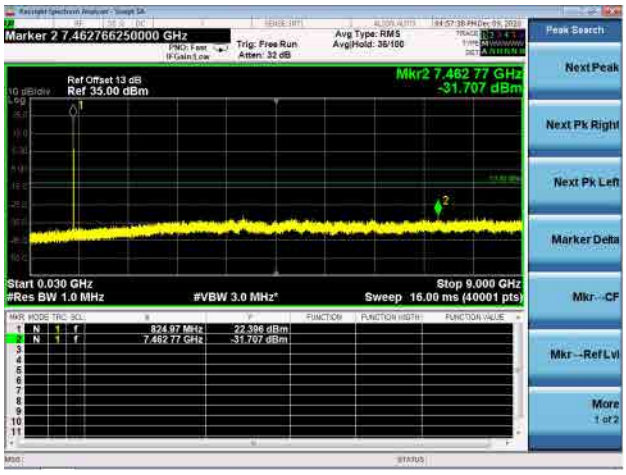
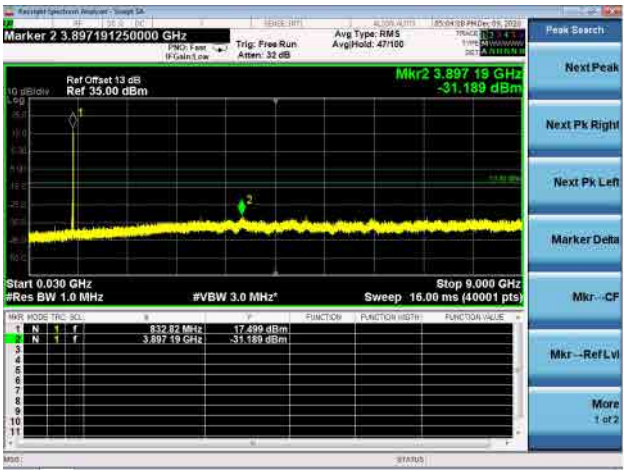
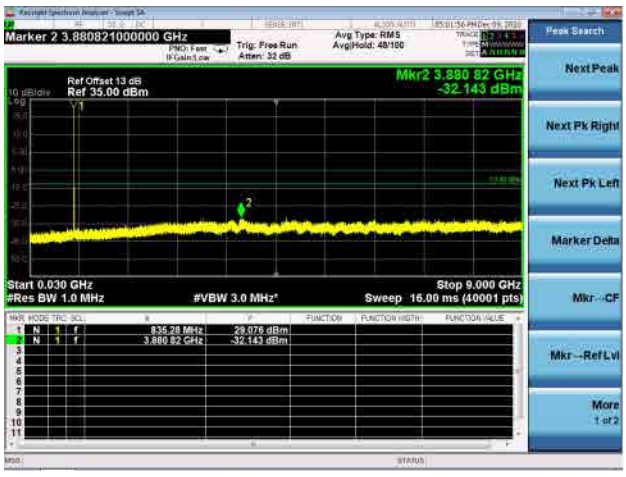
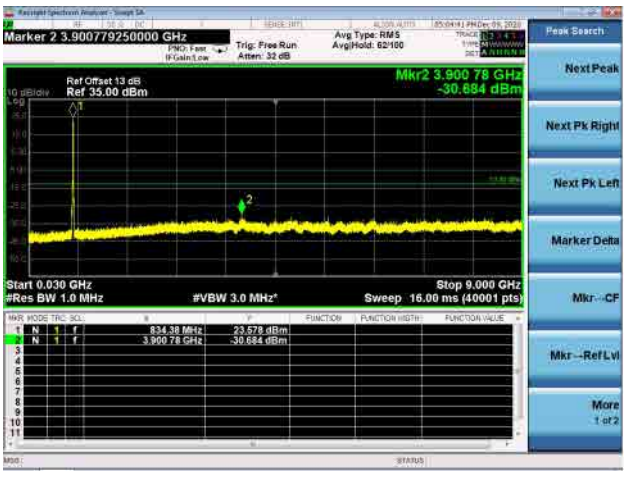
High CH/QPSK/1RB0 and 1RB24	High CH/QPSK/1RB49 and 1RB0
	
High CH/QPSK/FULL RB	
	

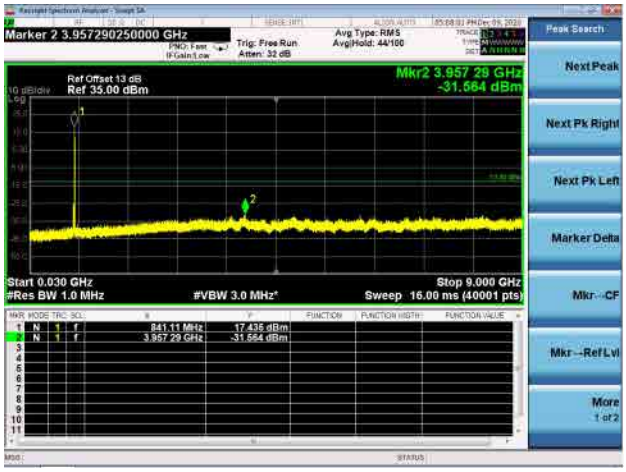
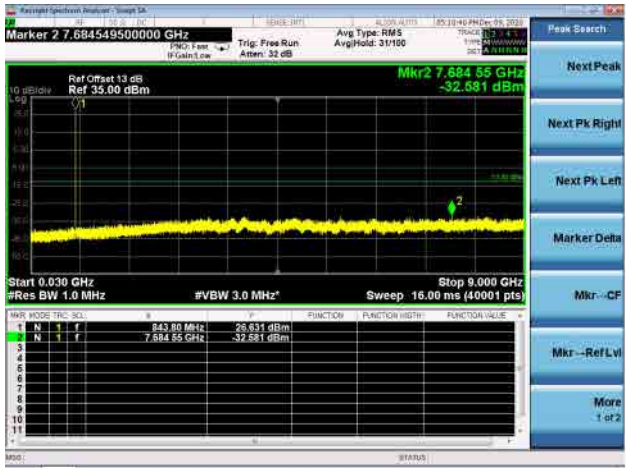
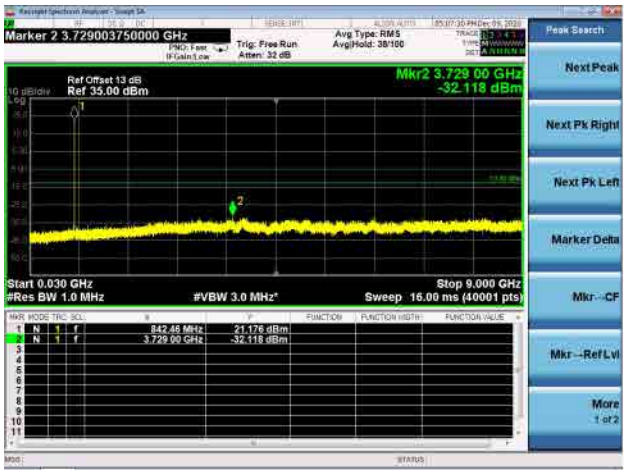
LTE Band 66B CSE	
Channel Bandwidth: 10MHz+10MHz	
LOW CH/QPSK/1RB0 and 1RB49	LOW CH/QPSK/1RB49 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB49
	
Mid CH/QPSK/1RB49 and 1RB0	Mid CH/QPSK/FULL RB
	

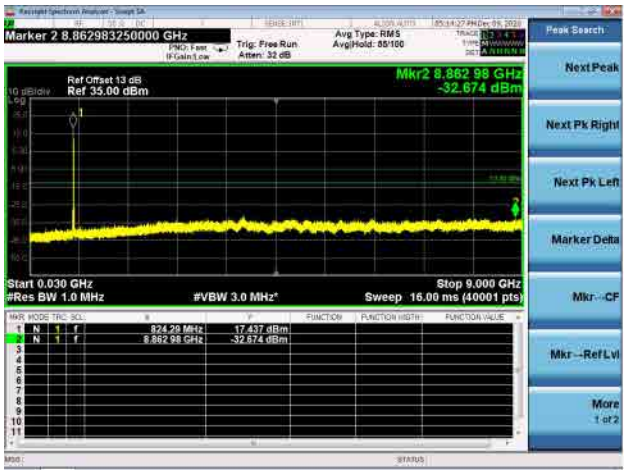
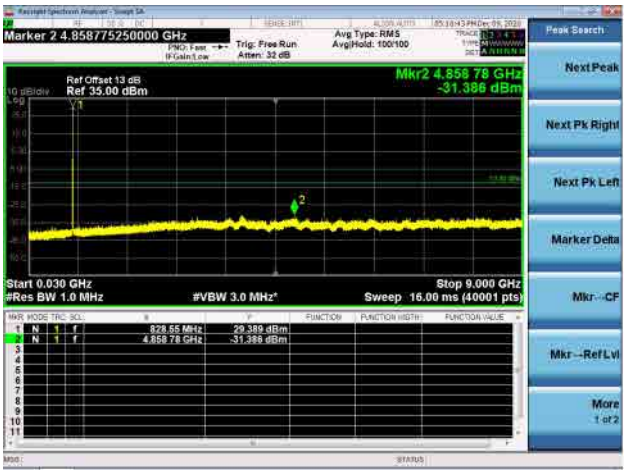
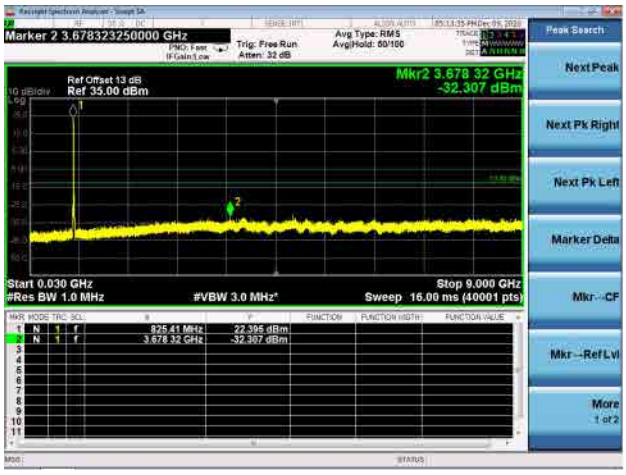
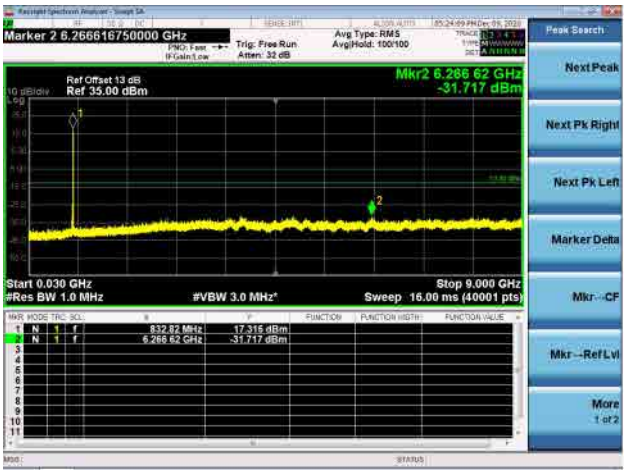
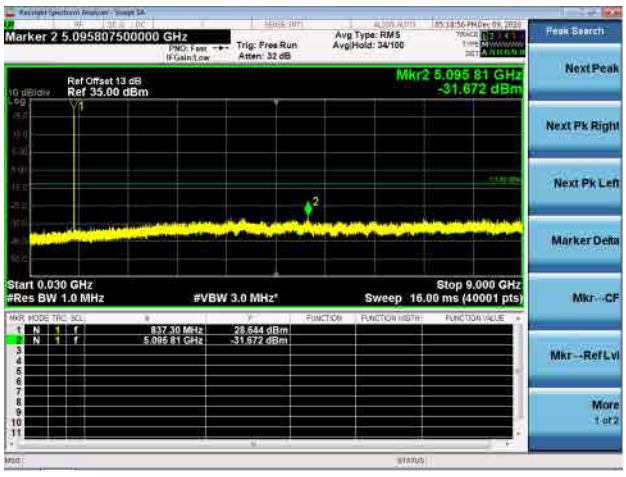
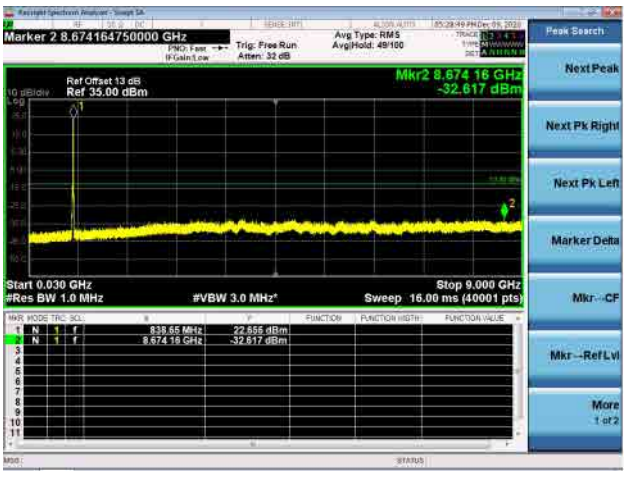
High CH/QPSK/1RB0 and 1RB49	High CH/QPSK/1RB49 and 1RB0
	
High CH/QPSK/FULL RB	
	

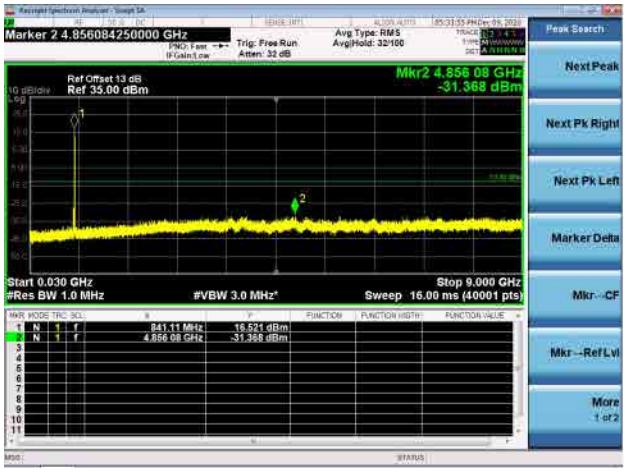
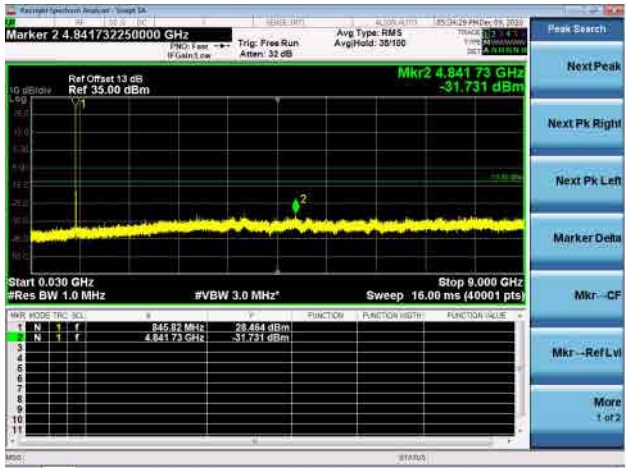
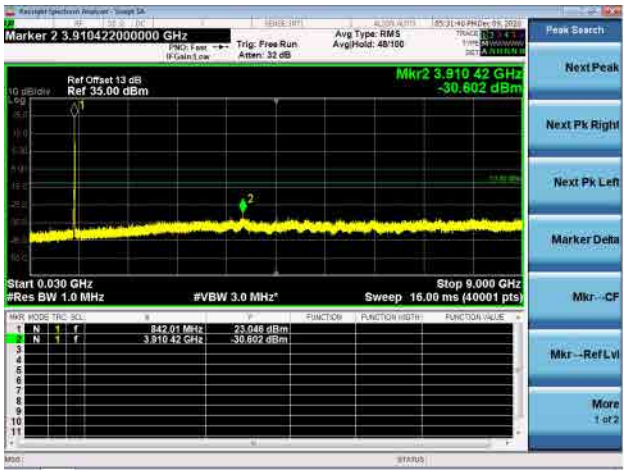
LTE Band 66B CSE	
Channel Bandwidth: 15MHz+5MHz	
LOW CH/QPSK/1RB0 and 1RB24	LOW CH/QPSK/1RB74 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB24
	
Mid CH/QPSK/1RB74 and 1RB0	Mid CH/QPSK/FULL RB
	

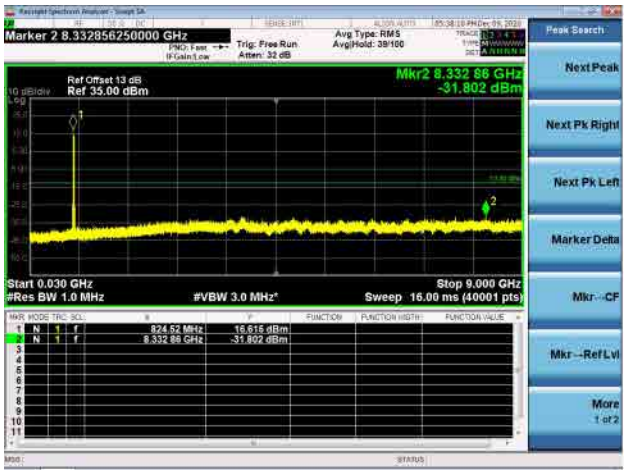
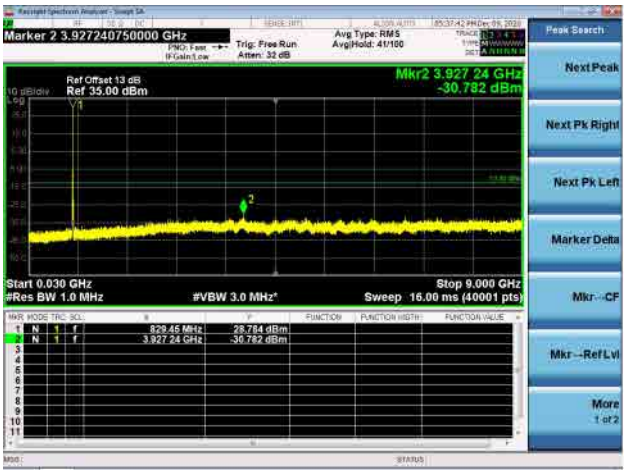
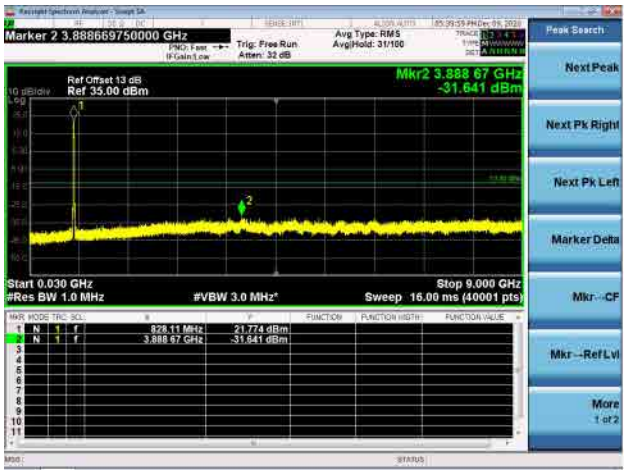
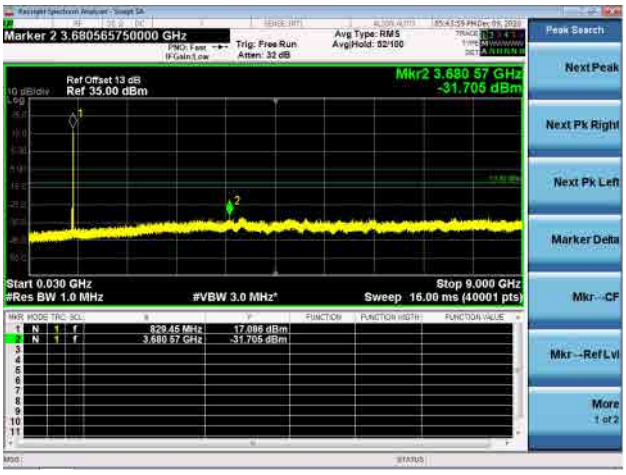
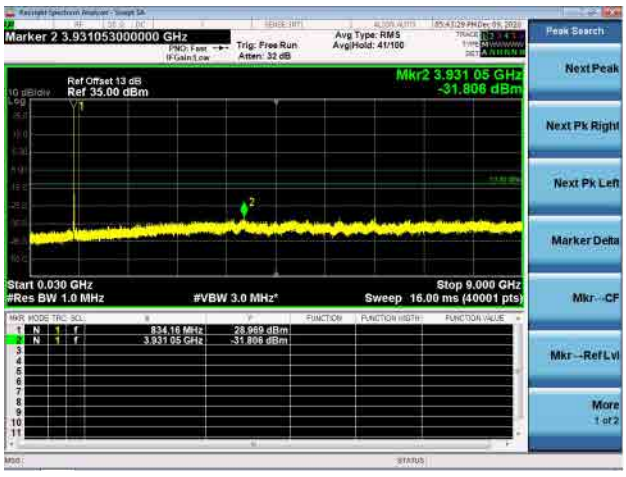
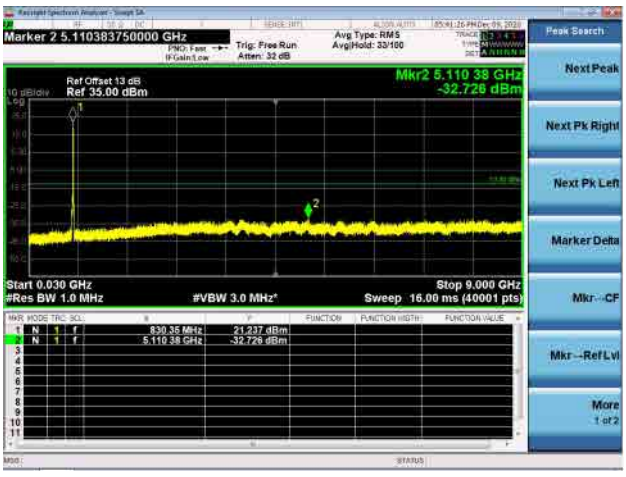
High CH/QPSK/1RB0 and 1RB24	High CH/QPSK/1RB74 and 1RB0
	
High CH/QPSK/FULL RB	
	

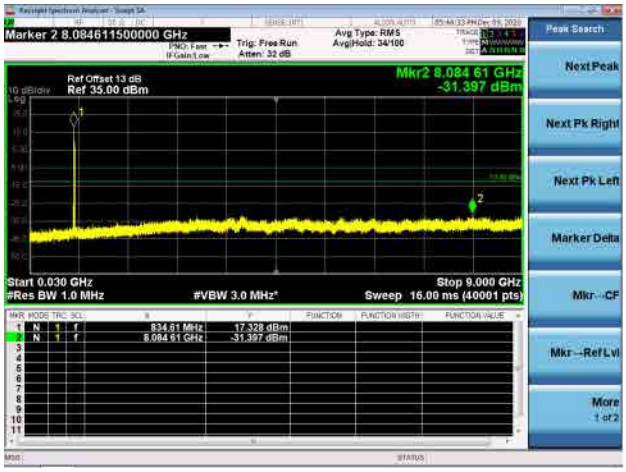
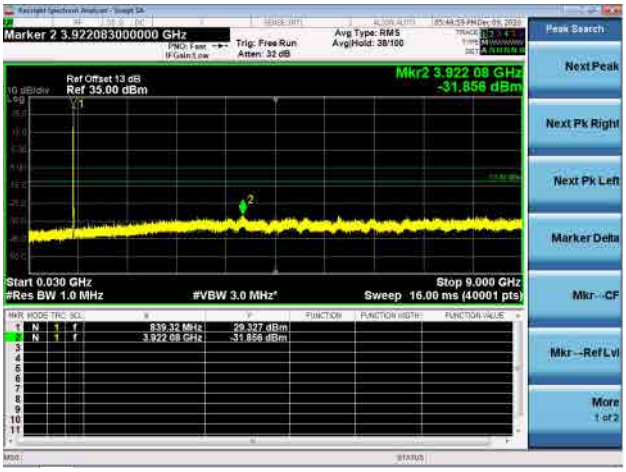
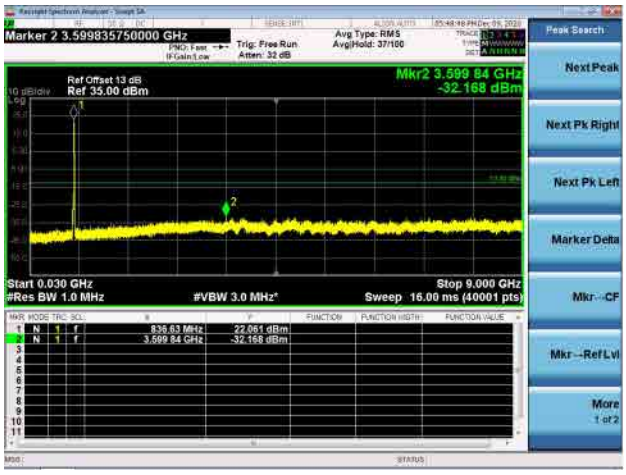
LTE Band 5B CSE	
Channel Bandwidth: 3MHz+5MHz	
LOW CH/QPSK/1RB0 and 1RB24	LOW CH/QPSK/1RB14 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB24
	
Mid CH/QPSK/1RB14 and 1RB0	Mid CH/QPSK/FULL RB
	

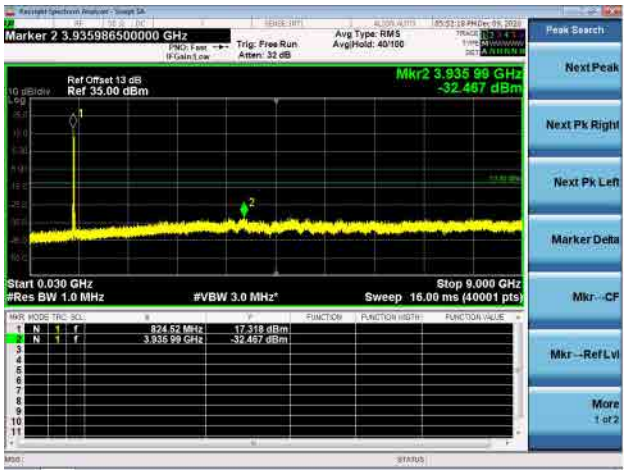
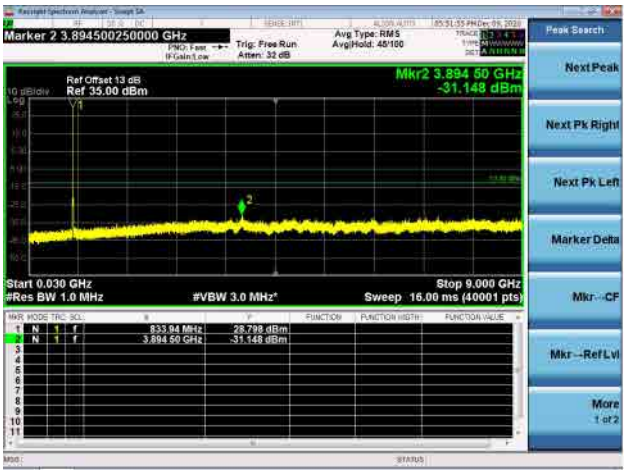
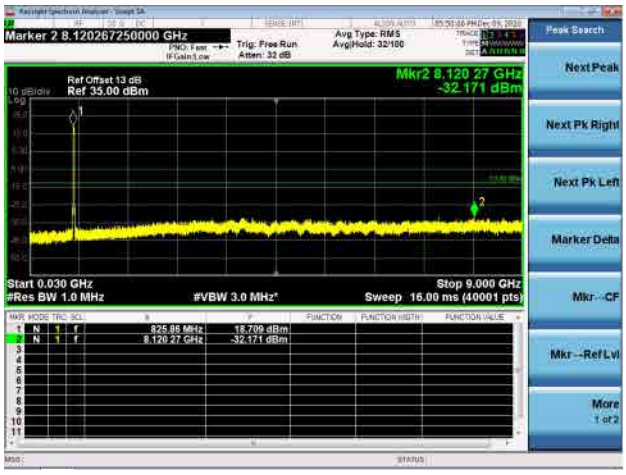
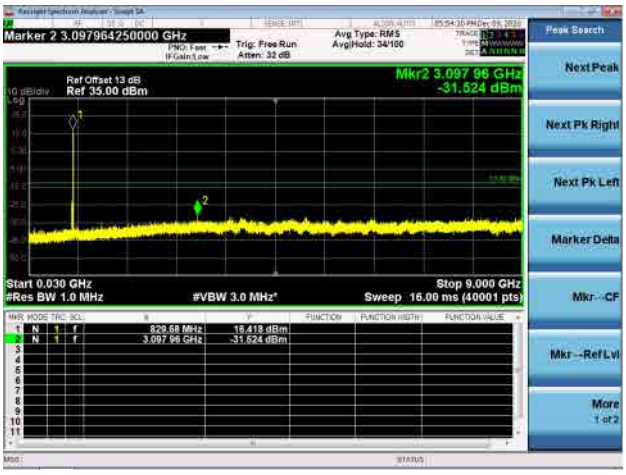
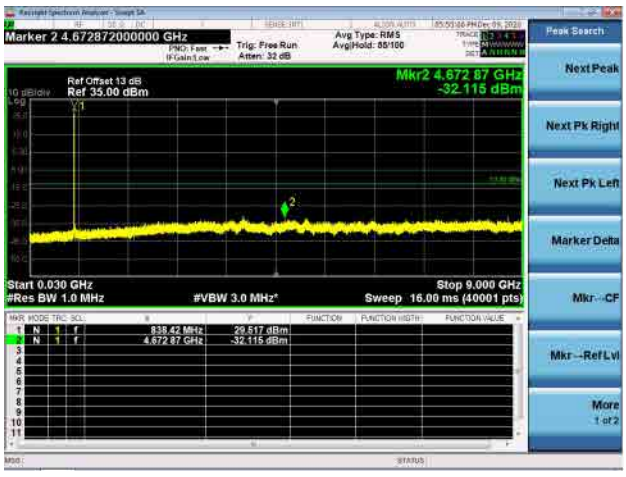
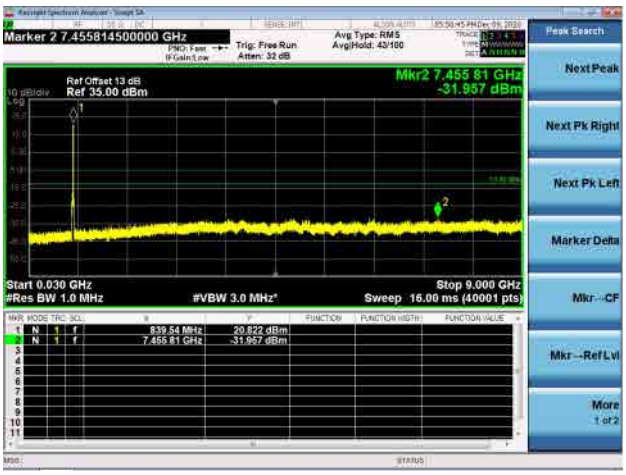
High CH/QPSK/1RB0 and 1RB24	High CH/QPSK/1RB14 and 1RB0
	
High CH/QPSK/FULL RB	
	

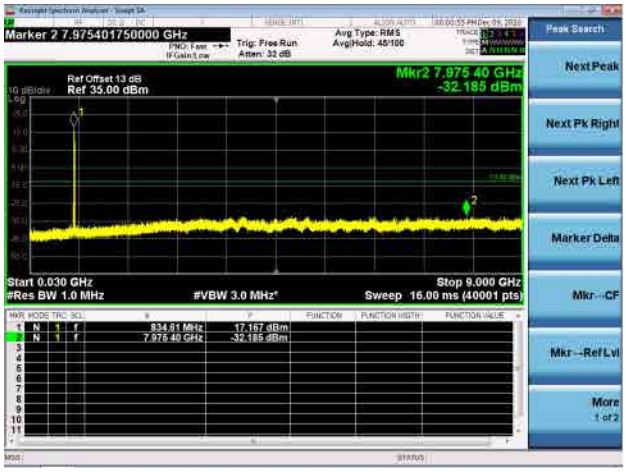
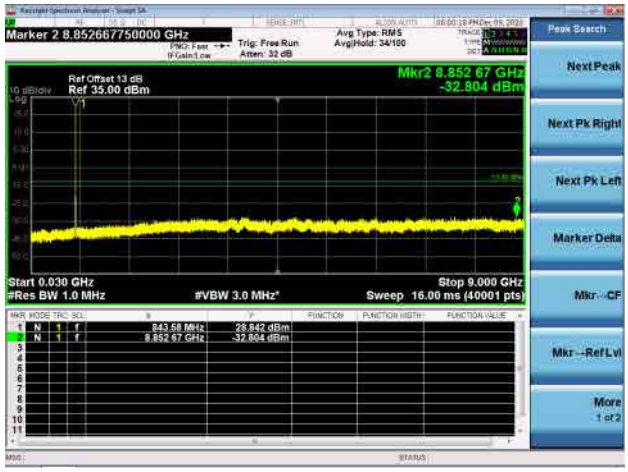
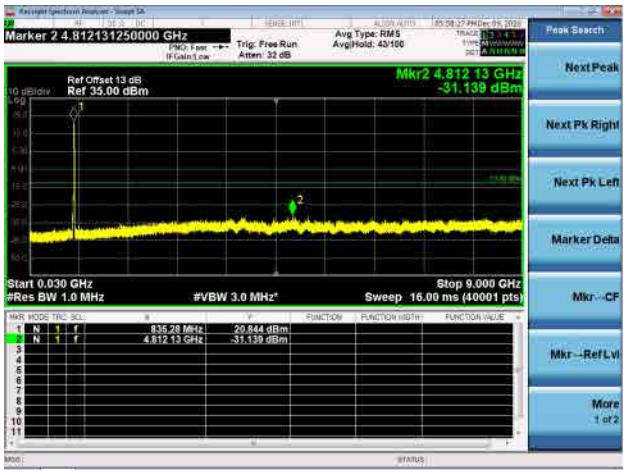
LTE Band 5B CSE	
Channel Bandwidth: 5MHz+3MHz	
LOW CH/QPSK/1RB0 and 1RB14	LOW CH/QPSK/1RB24 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB14
	
Mid CH/QPSK/1RB24 and 1RB0	Mid CH/QPSK/FULL RB
	

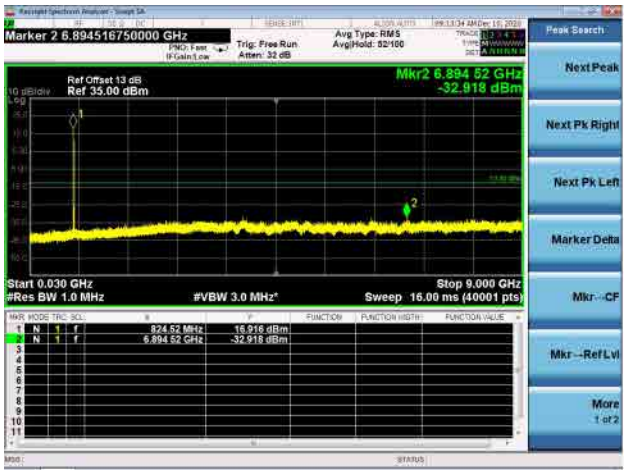
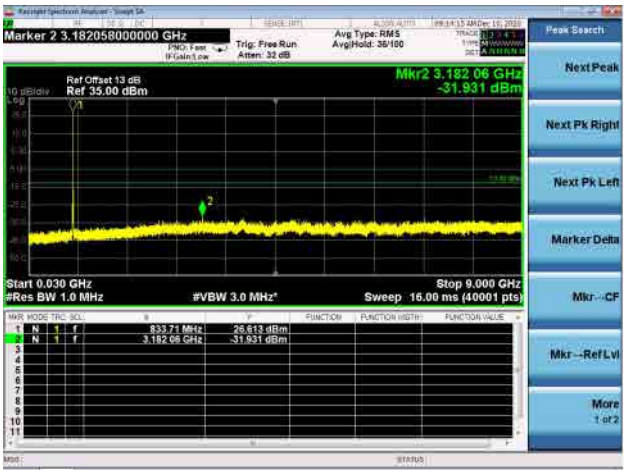
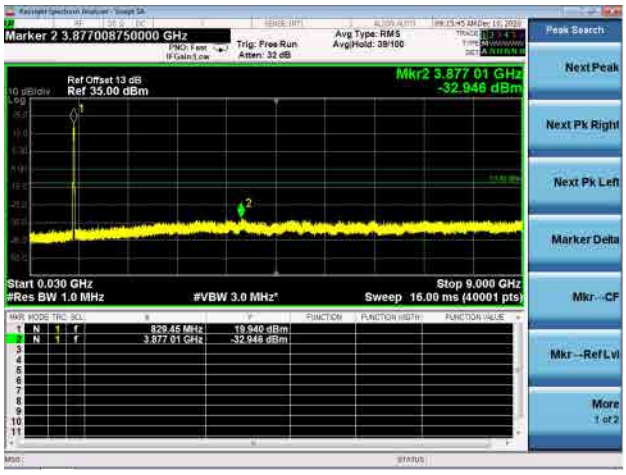
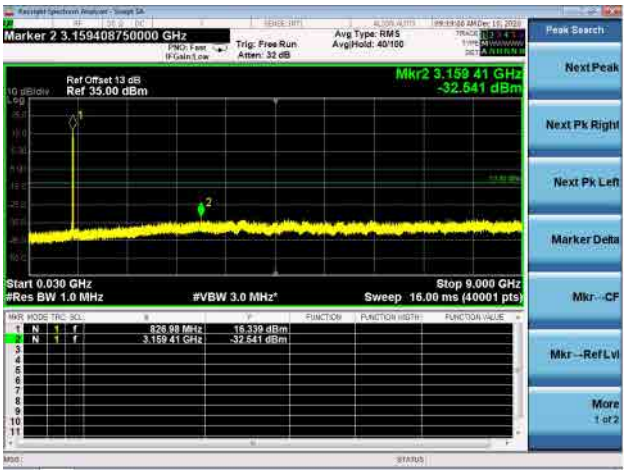
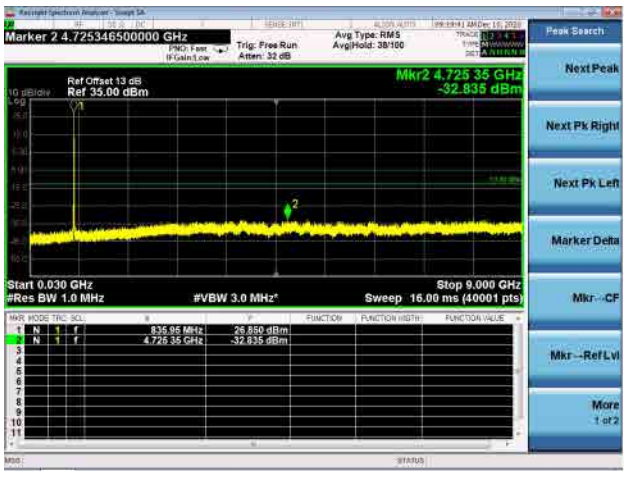
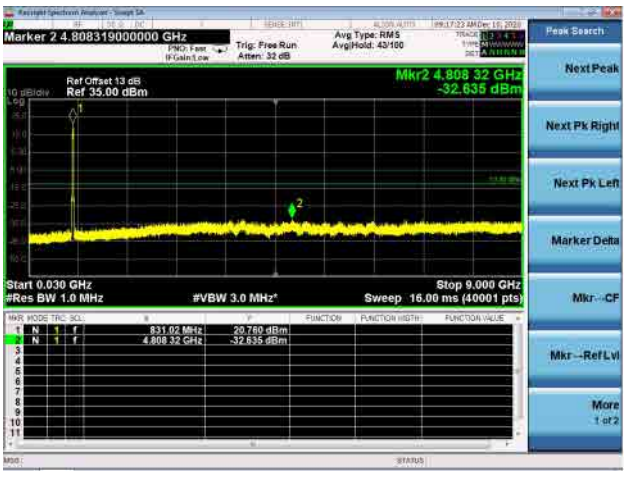
High CH/QPSK/1RB0 and 1RB14	High CH/QPSK/1RB24 and 1RB0
	
High CH/QPSK/FULL RB	
	

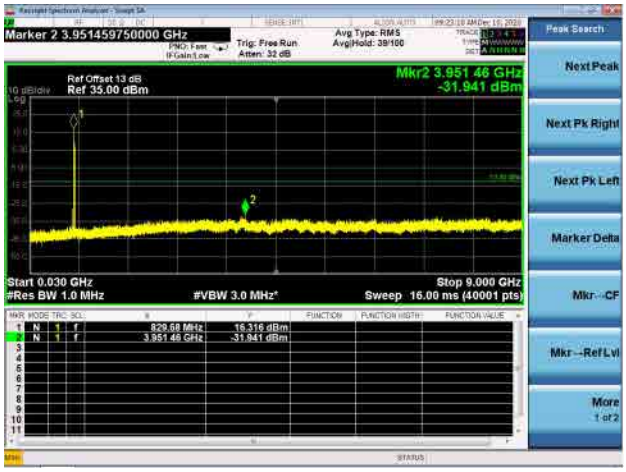
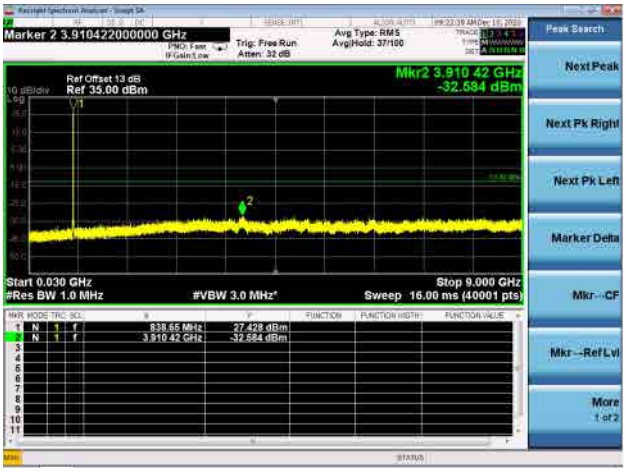
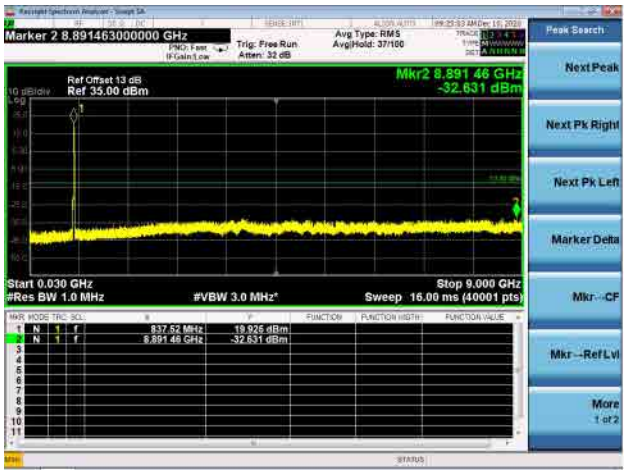
LTE Band 5B CSE	
Channel Bandwidth: 5MHz+10MHz	
LOW CH/QPSK/1RB0 and 1RB49	LOW CH/QPSK/1RB24 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB49
	
Mid CH/QPSK/1RB24 and 1RB0	Mid CH/QPSK/FULL RB
	

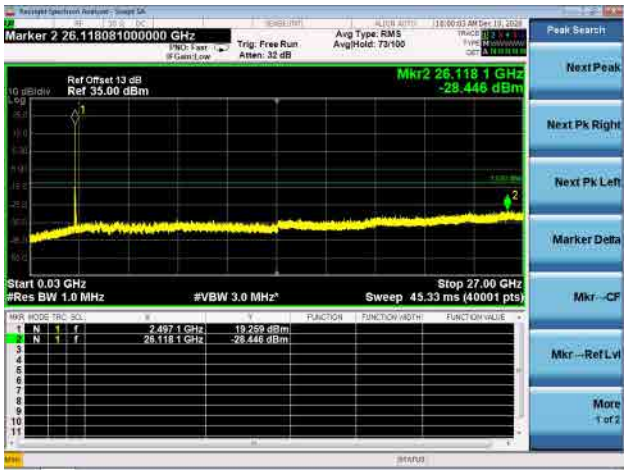
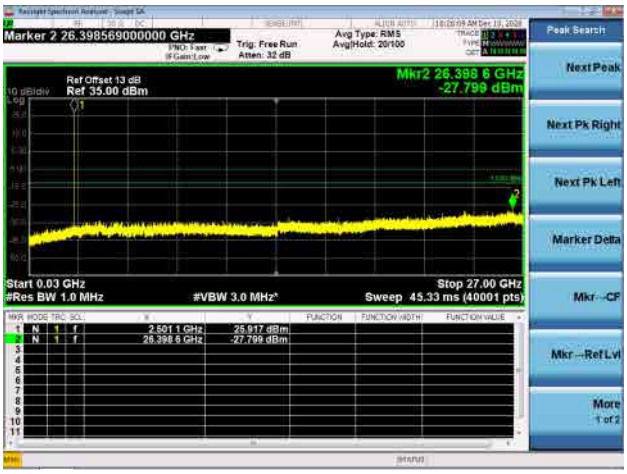
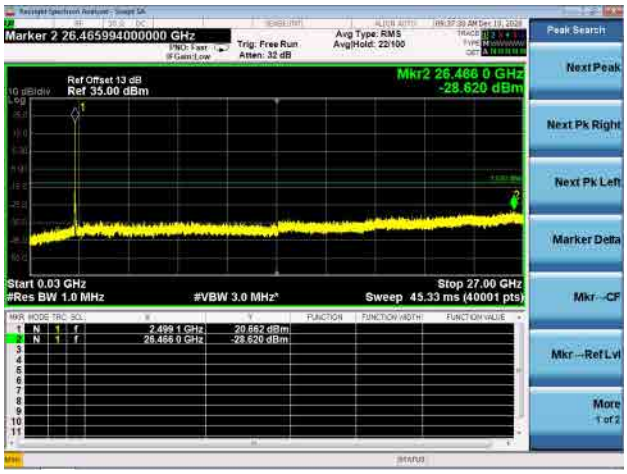
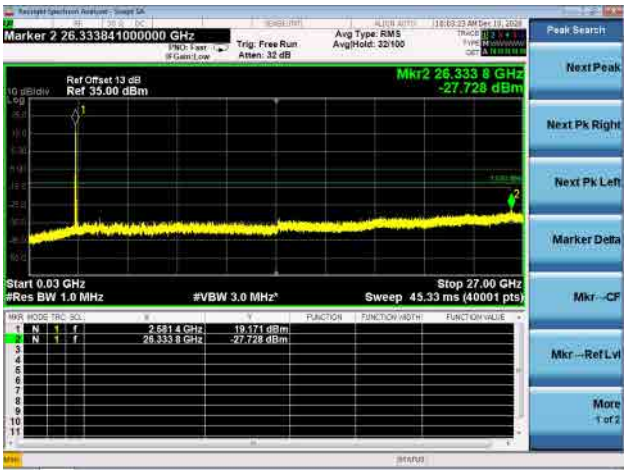
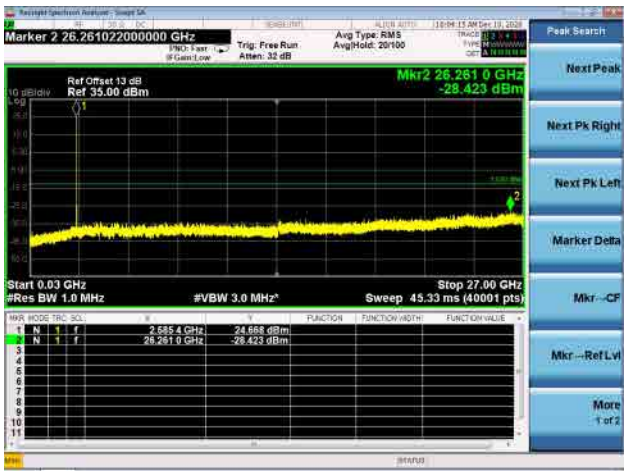
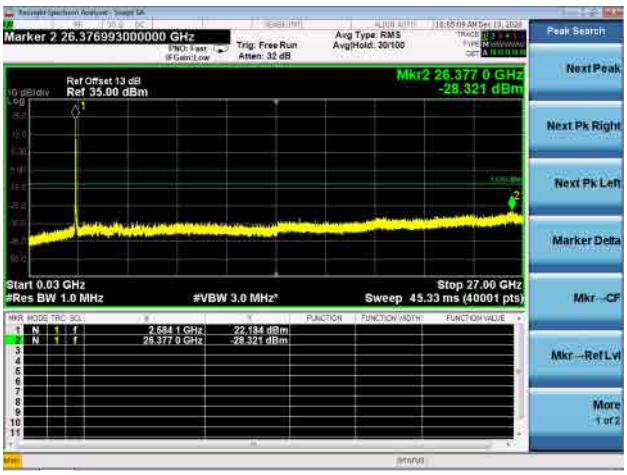
High CH/QPSK/1RB0 and 1RB49	High CH/QPSK/1RB24 and 1RB0
	
High CH/QPSK/FULL RB	
	

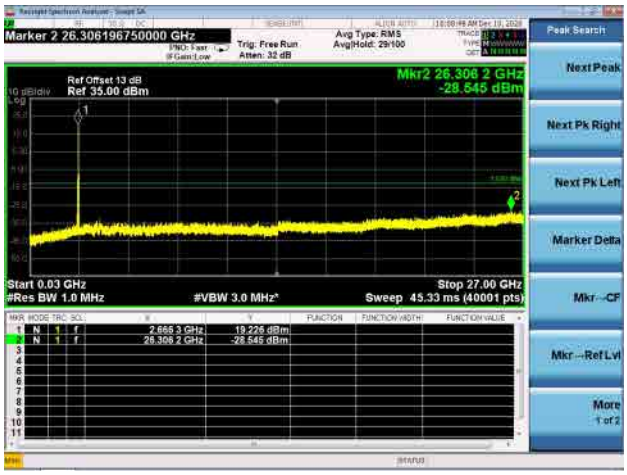
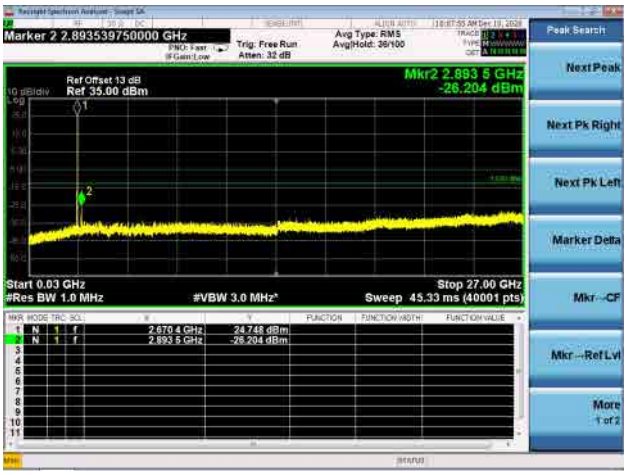
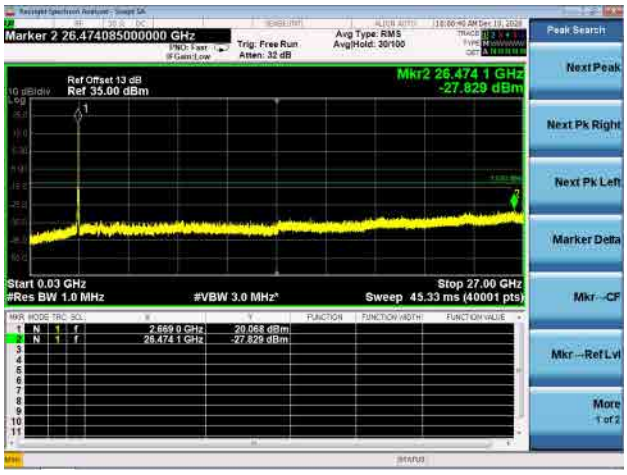
LTE Band 5B CSE	
Channel Bandwidth:10MHz+5MHz	
LOW CH/QPSK/1RB0 and 1RB24	LOW CH/QPSK/1RB49 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB24
	
Mid CH/QPSK/1RB49 and 1RB0	Mid CH/QPSK/FULL RB
	

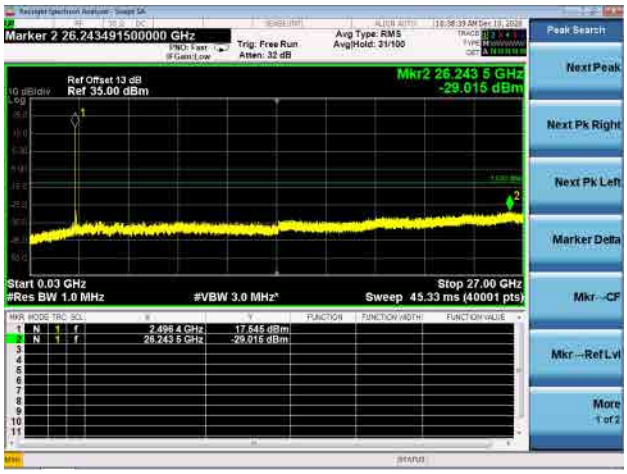
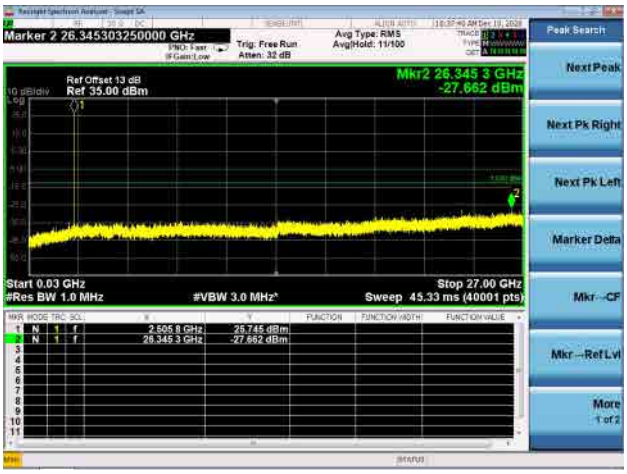
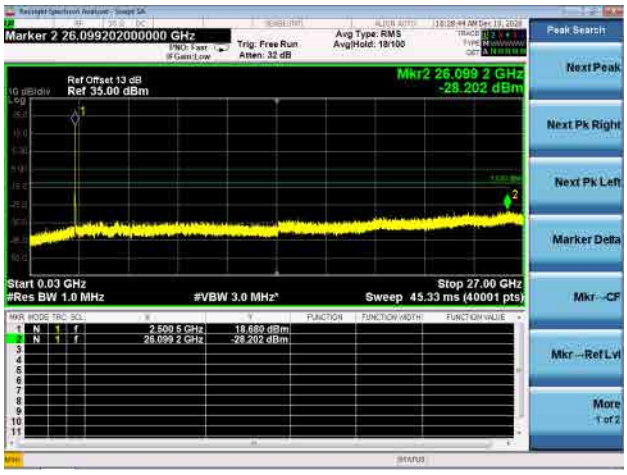
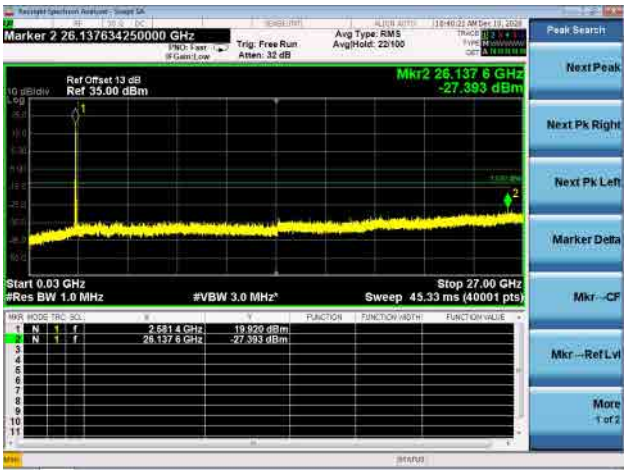
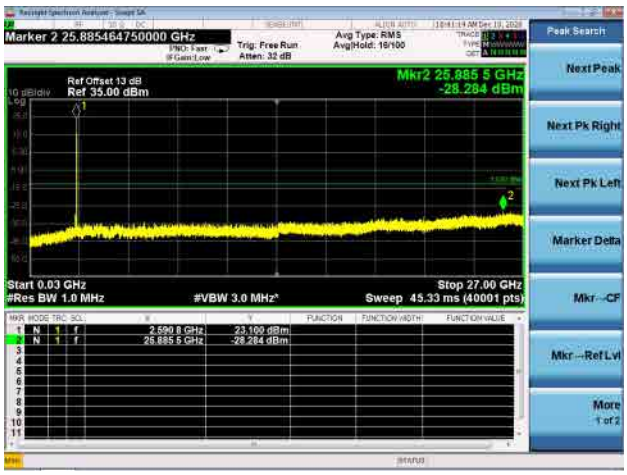
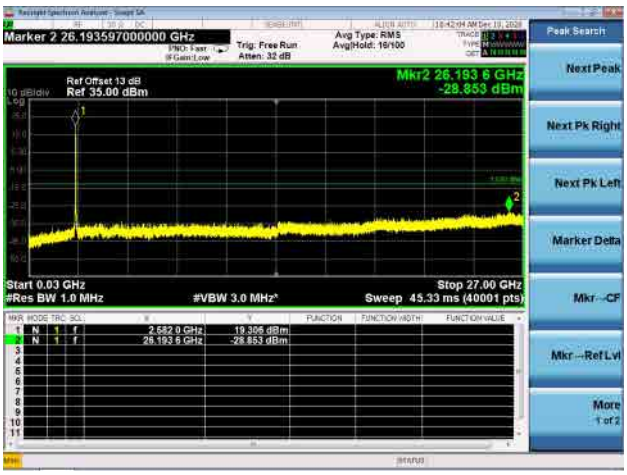
High CH/QPSK/1RB0 and 1RB24	High CH/QPSK/1RB49 and 1RB0
	
High CH/QPSK/FULL RB	
	

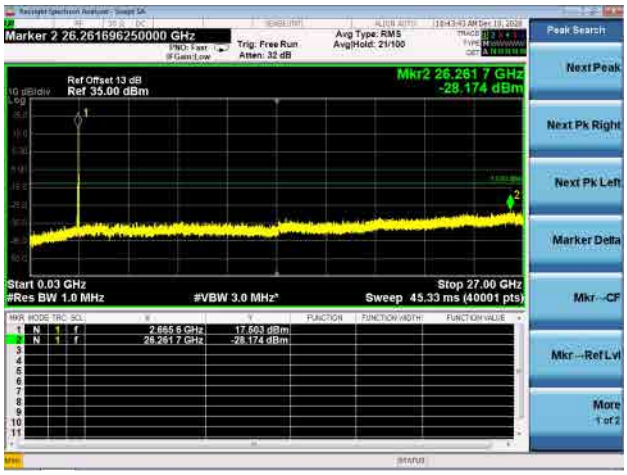
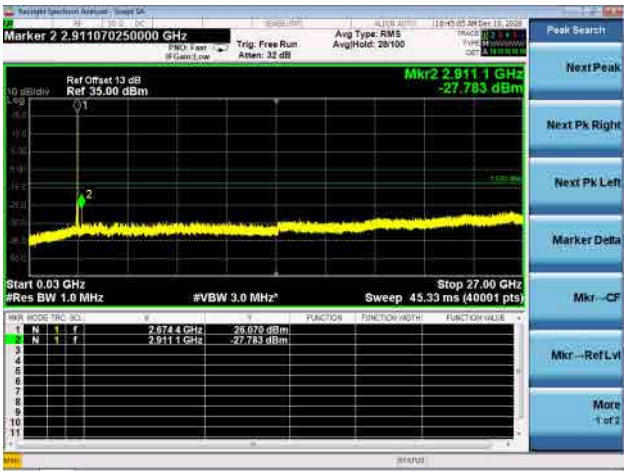
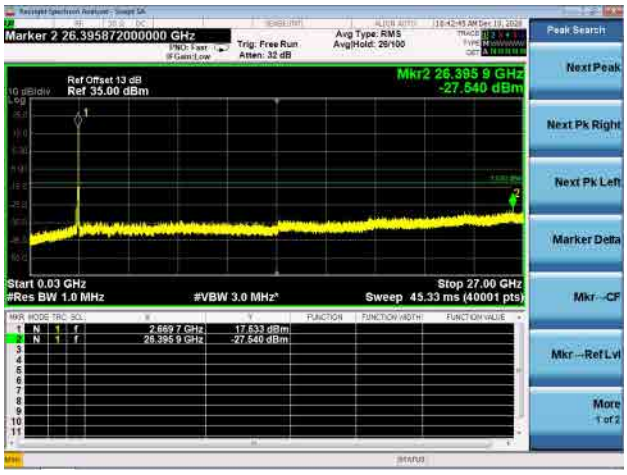
LTE Band 5B CSE	
Channel Bandwidth:10MHz+10MHz	
LOW CH/QPSK/1RB0 and 1RB49	LOW CH/QPSK/1RB49 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB49
	
Mid CH/QPSK/1RB49 and 1RB0	Mid CH/QPSK/FULL RB
	

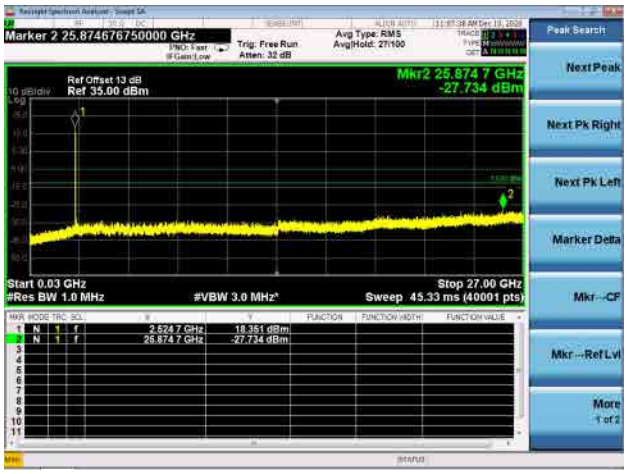
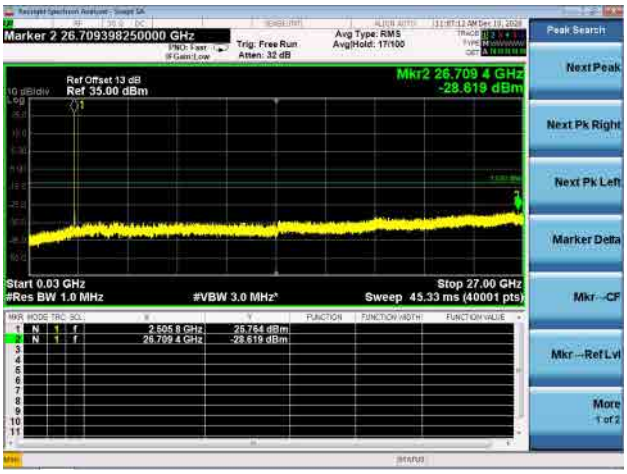
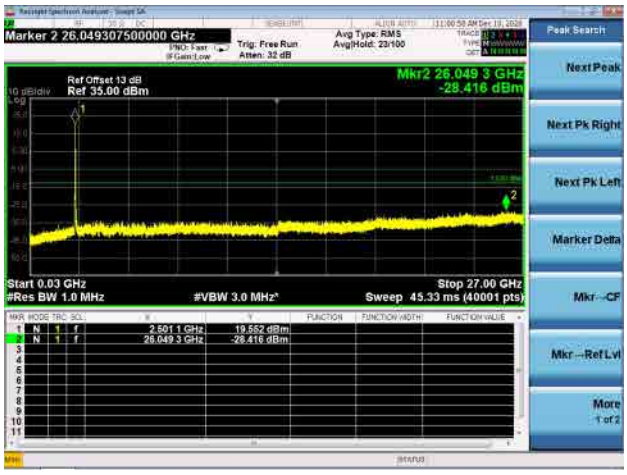
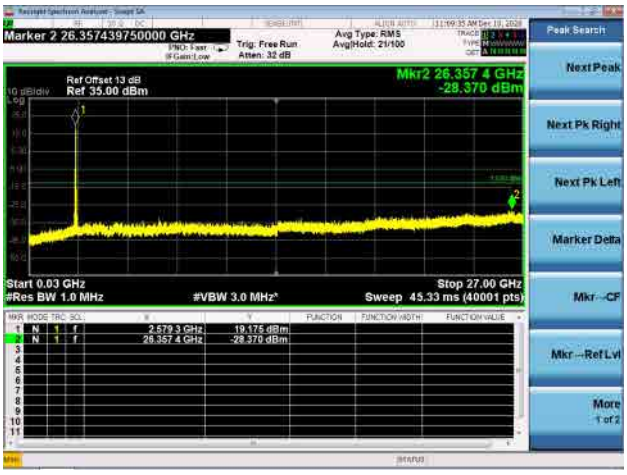
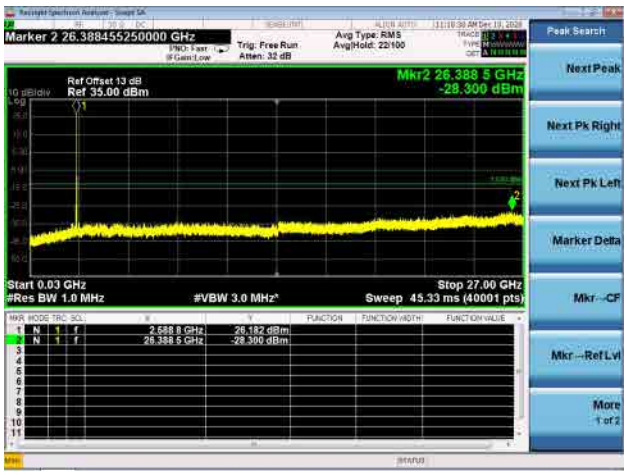
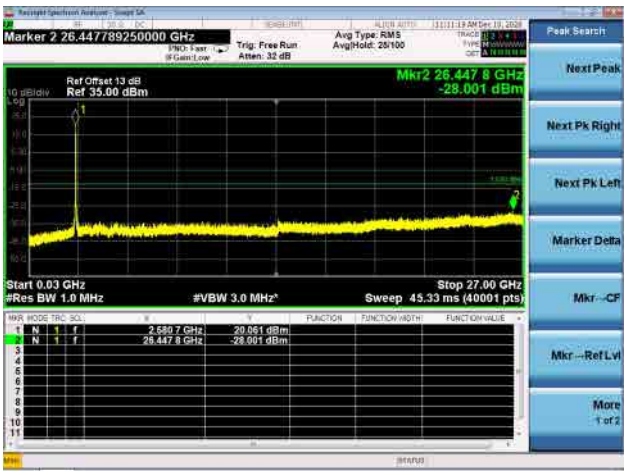
High CH/QPSK/1RB0 and 1RB49	High CH/QPSK/1RB49 and 1RB0
	
High CH/QPSK/FULL RB	
	

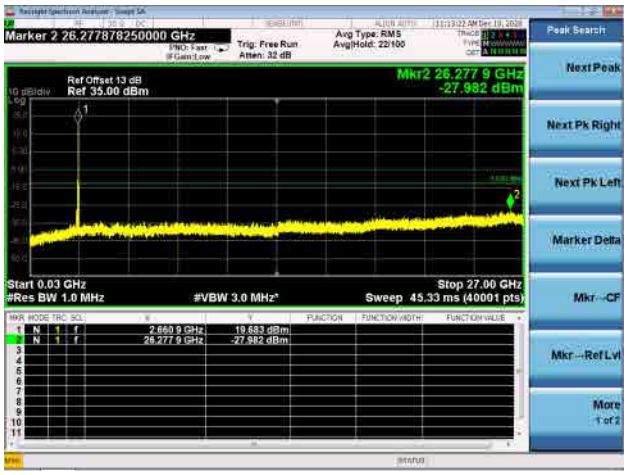
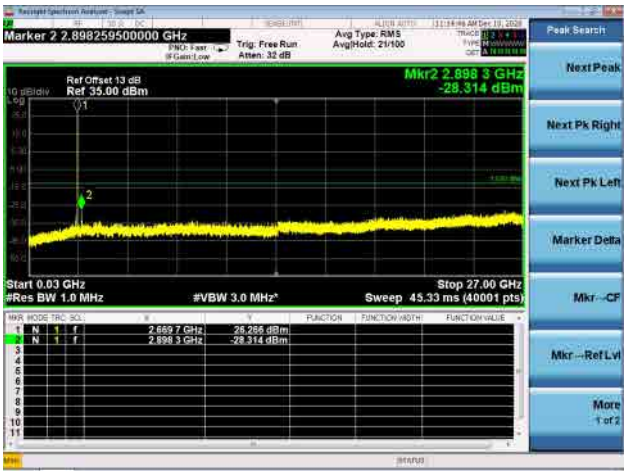
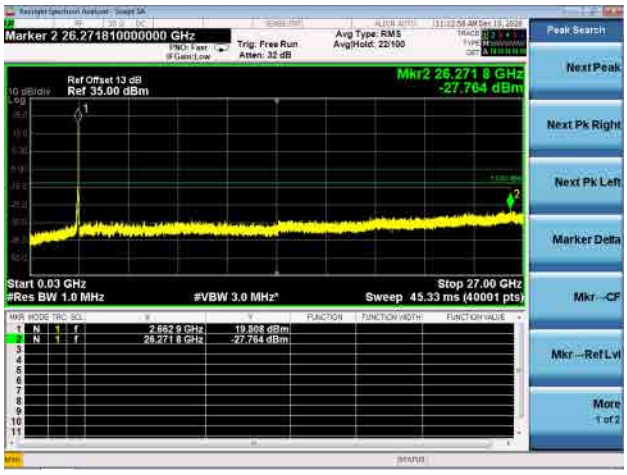
LTE Band 41C CSE	
Channel Bandwidth:5MHz+20MHz	
LOW CH/QPSK/1RB0 and 1RB99	LOW CH/QPSK/1RB24 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB99
	
Mid CH/QPSK/1RB24 and 1RB0	Mid CH/QPSK/FULL RB
	

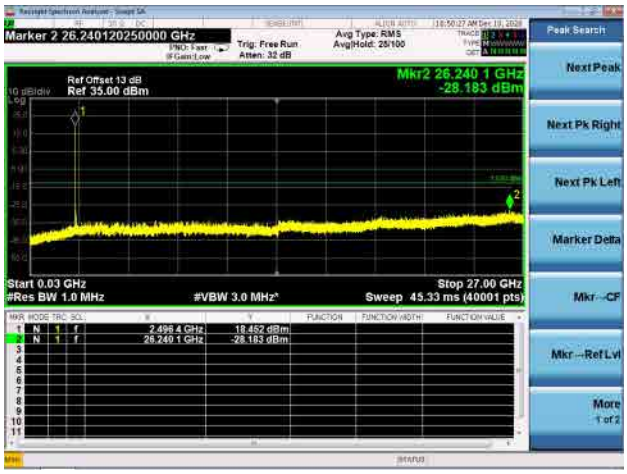
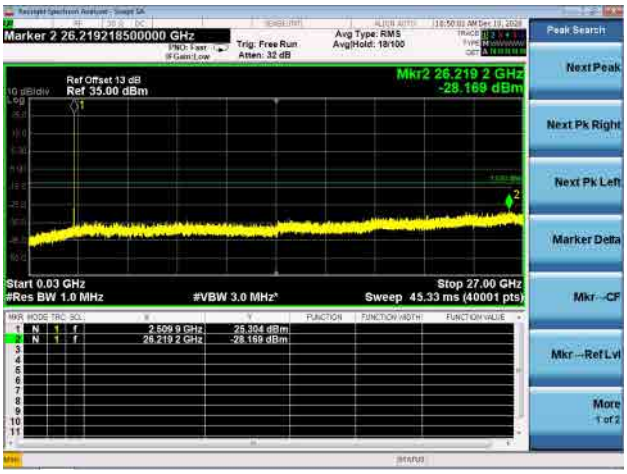
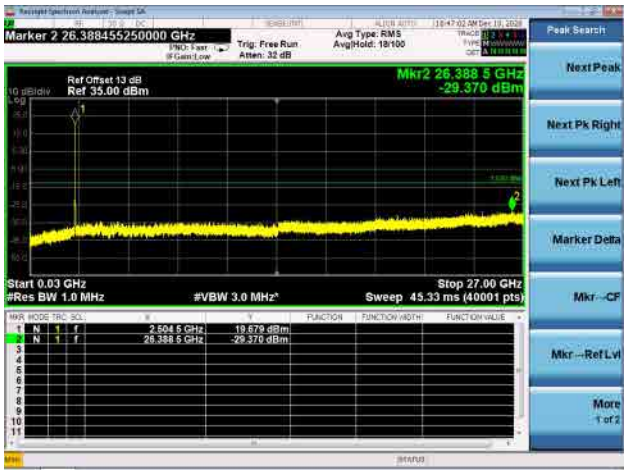
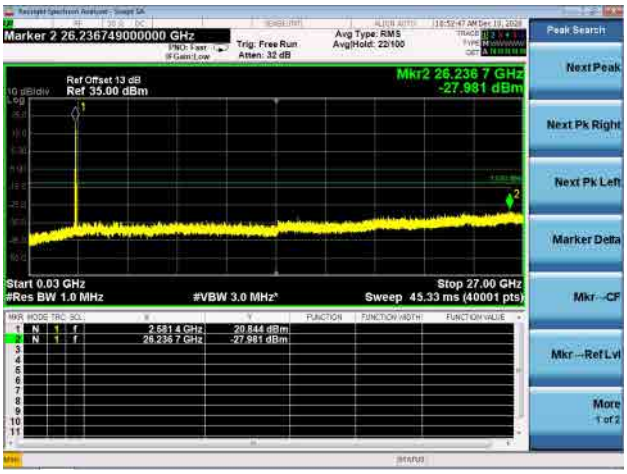
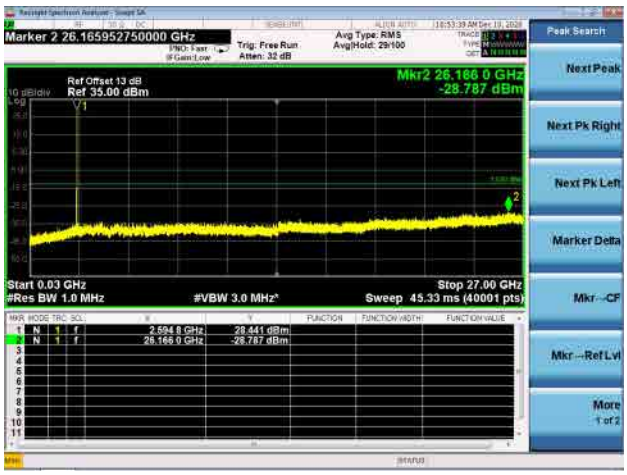
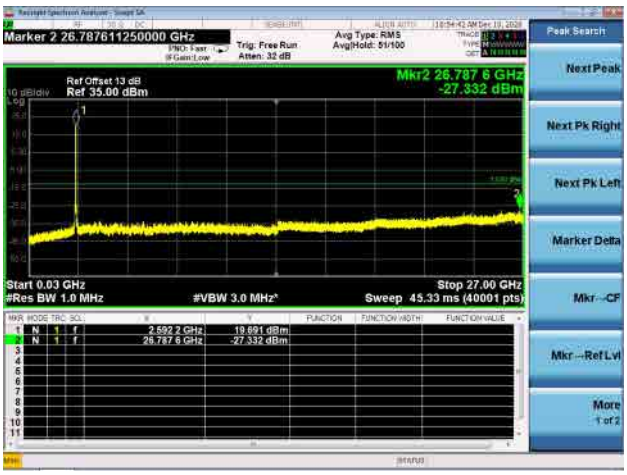
High CH/QPSK/1RB0 and 1RB99	High CH/QPSK/1RB24 and 1RB0
	
High CH/QPSK/FULL RB	
	

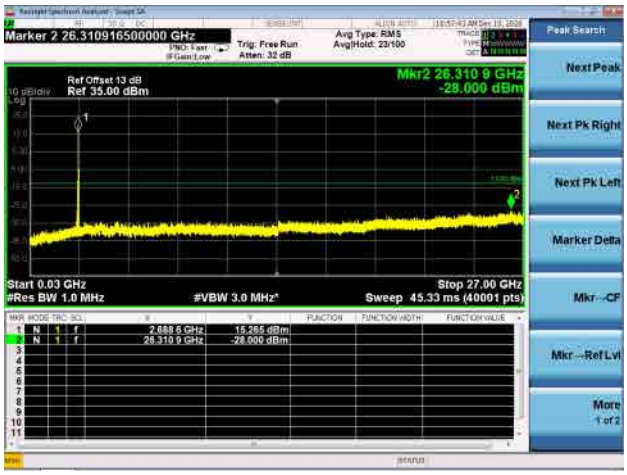
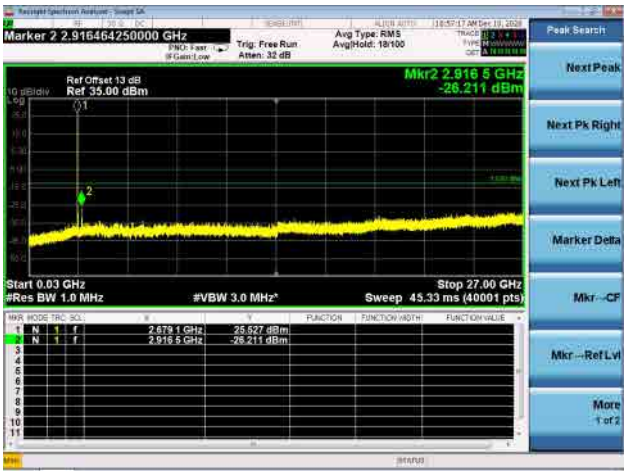
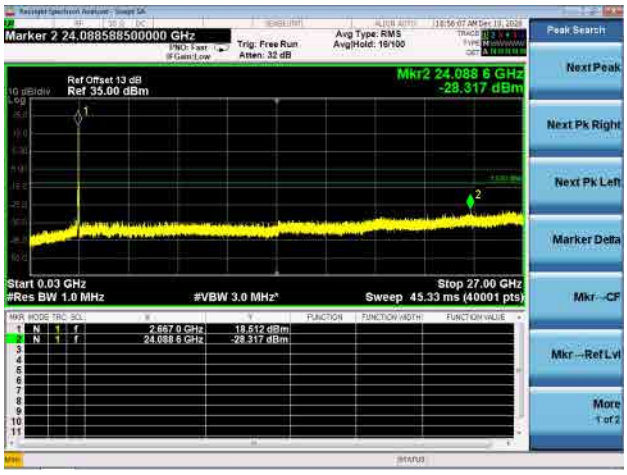
LTE Band 41C CSE	
Channel Bandwidth:10MHz+15MHz	
LOW CH/QPSK/1RB0 and 1RB74	LOW CH/QPSK/1RB49 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB74
	
Mid CH/QPSK/1RB49 and 1RB0	Mid CH/QPSK/FULL RB
	

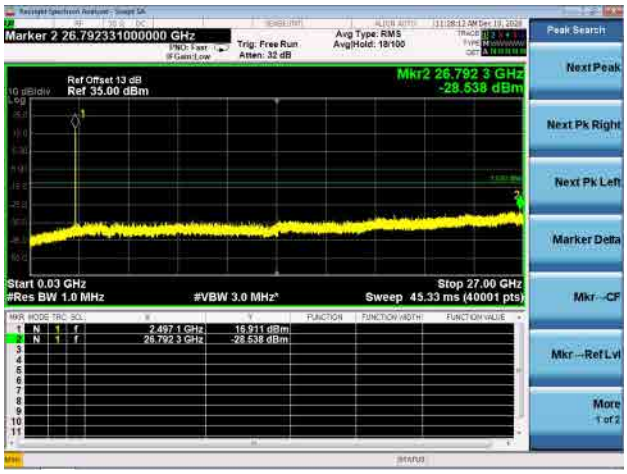
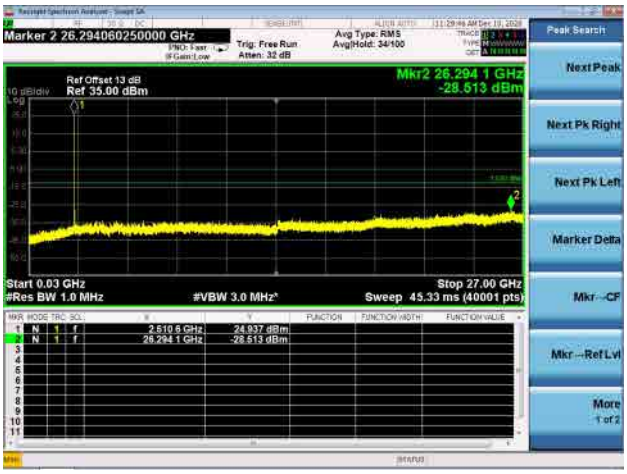
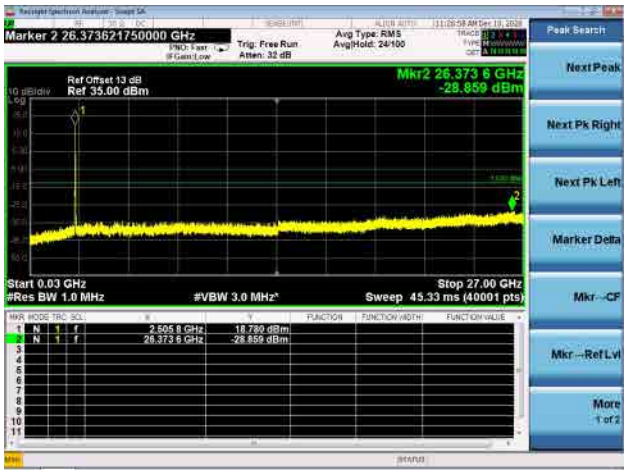
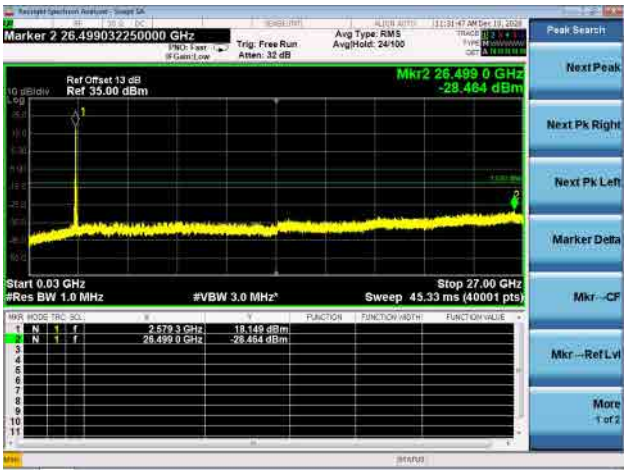
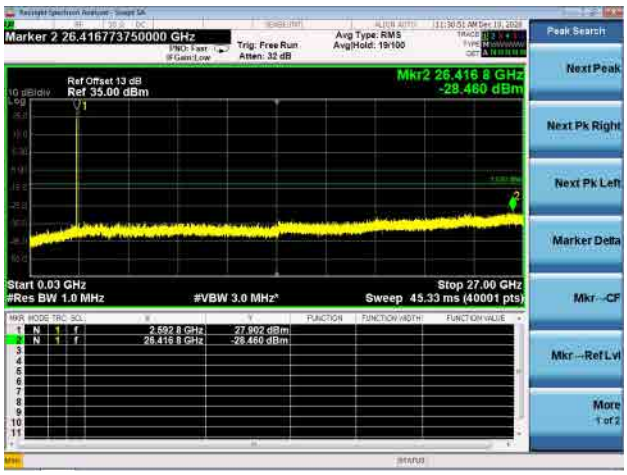
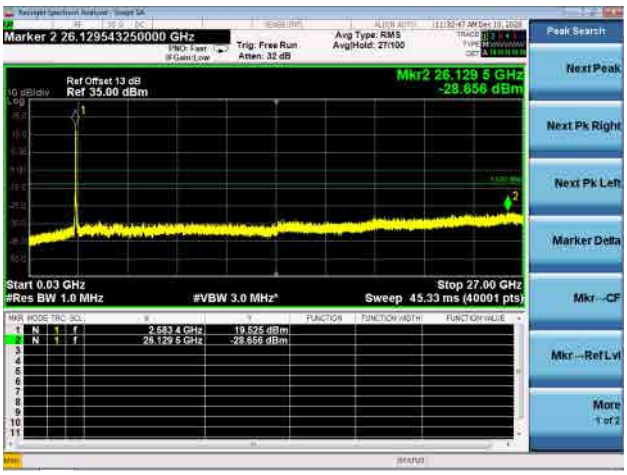
High CH/QPSK/1RB0 and 1RB74	High CH/QPSK/1RB49 and 1RB0
	
High CH/QPSK/FULL RB	
	

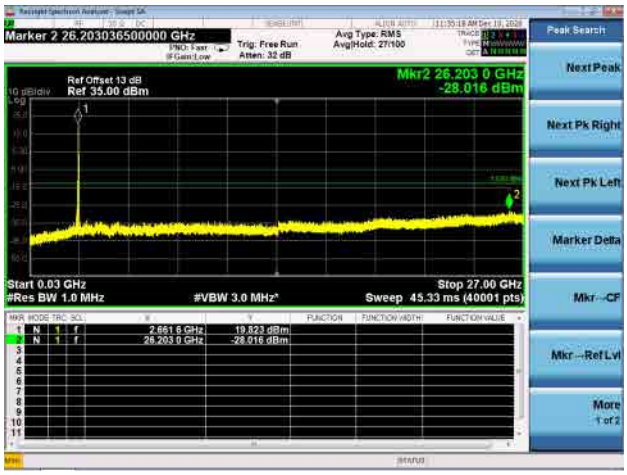
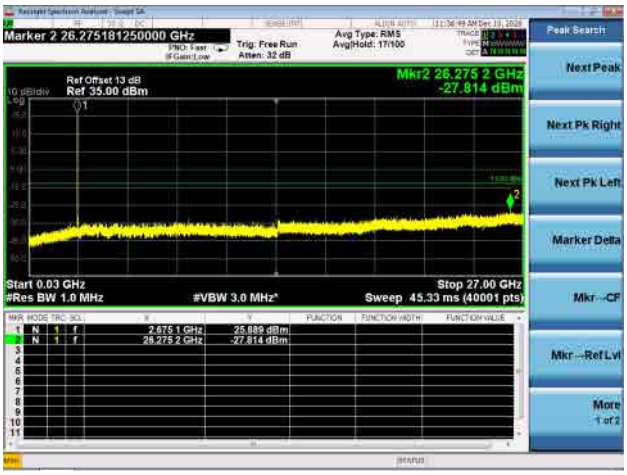
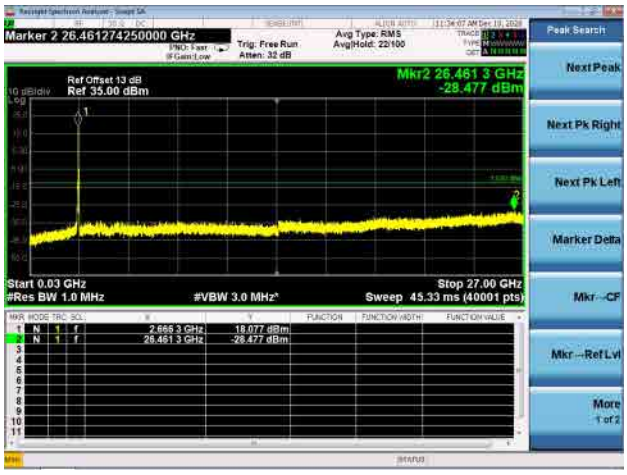
LTE Band 41C CSE	
Channel Bandwidth:10MHz+20MHz	
LOW CH/QPSK/1RB0 and 1RB99	LOW CH/QPSK/1RB49 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB99
	
Mid CH/QPSK/1RB49 and 1RB0	Mid CH/QPSK/FULL RB
	

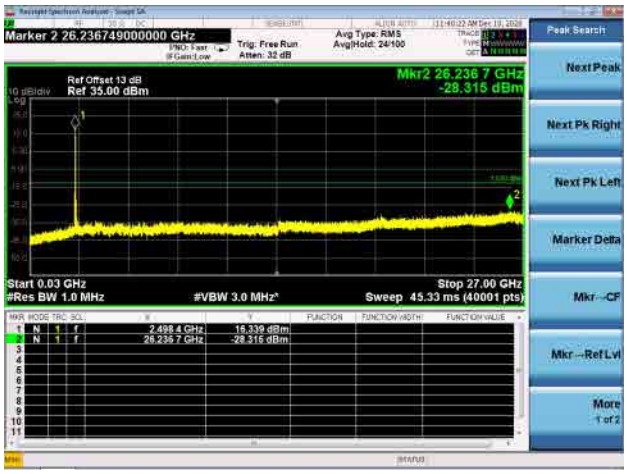
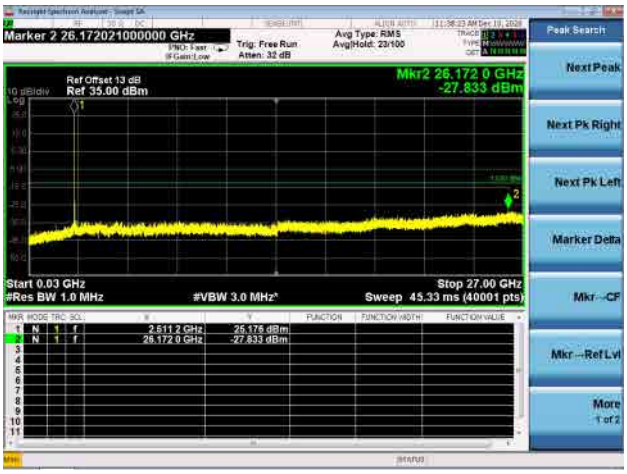
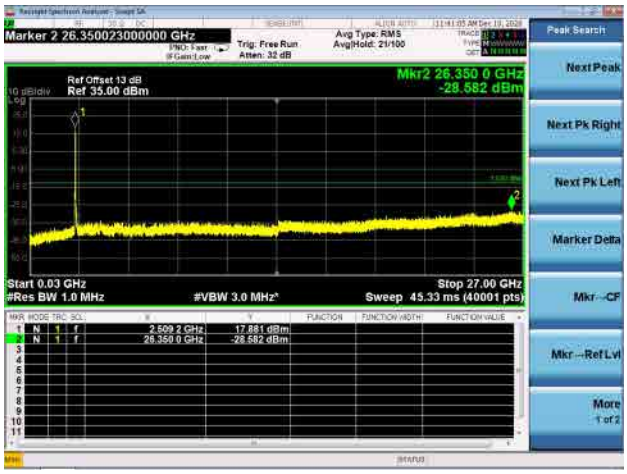
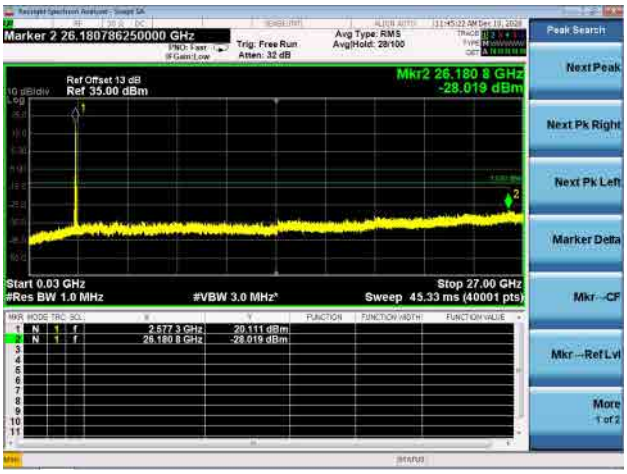
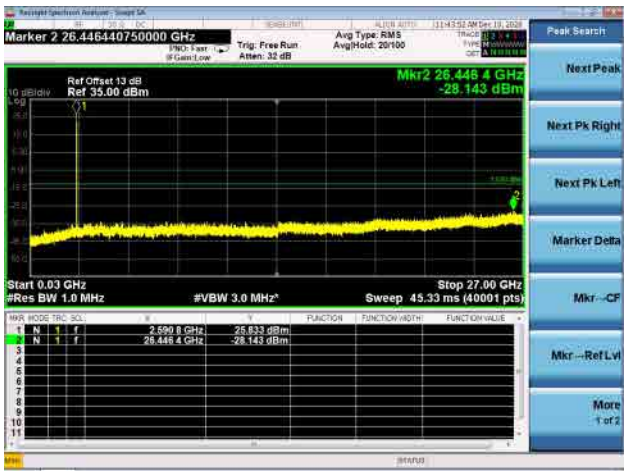
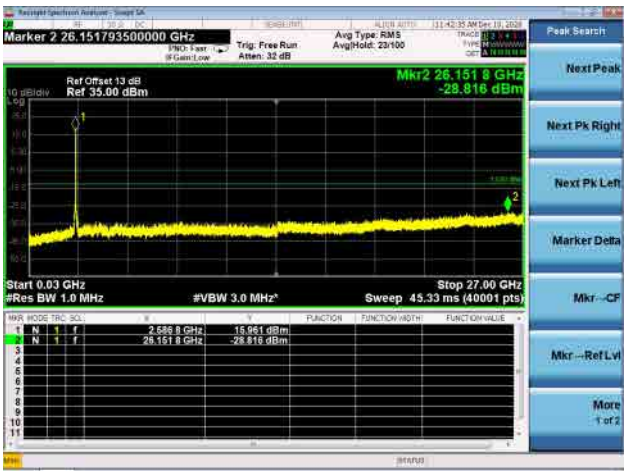
High CH/QPSK/1RB0 and 1RB99	High CH/QPSK/1RB49 and 1RB0
	
High CH/QPSK/FULL RB	
	

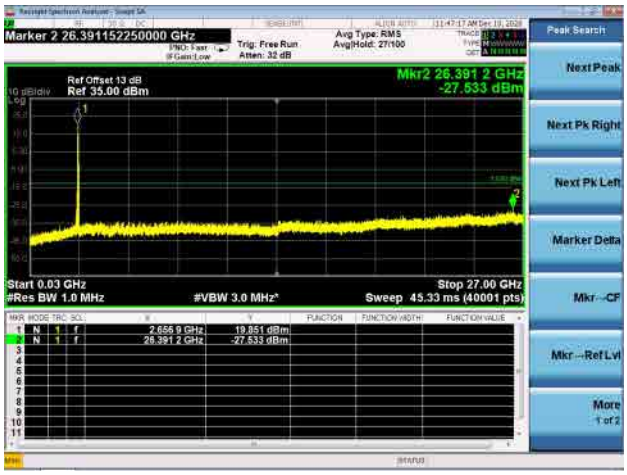
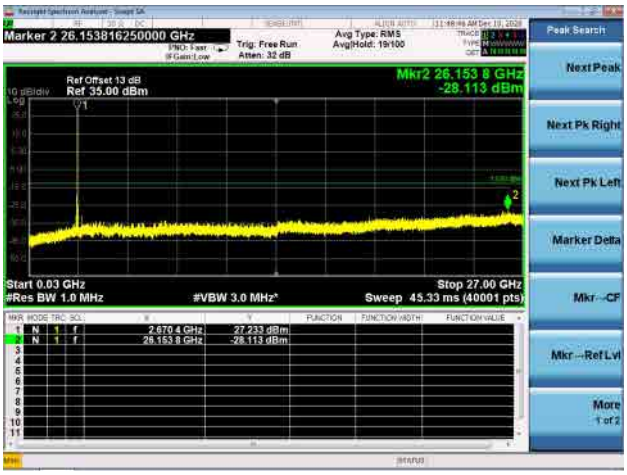
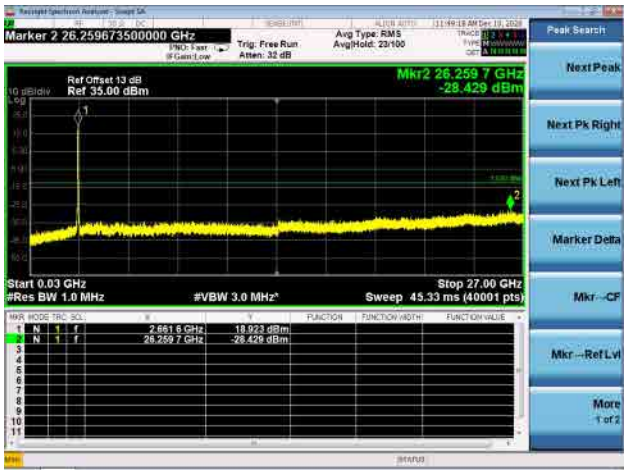
LTE Band 41C CSE	
Channel Bandwidth:15MHz+10MHz	
LOW CH/QPSK/1RB0 and 1RB49	LOW CH/QPSK/1RB74 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB49
	
Mid CH/QPSK/1RB74 and 1RB0	Mid CH/QPSK/FULL RB
	

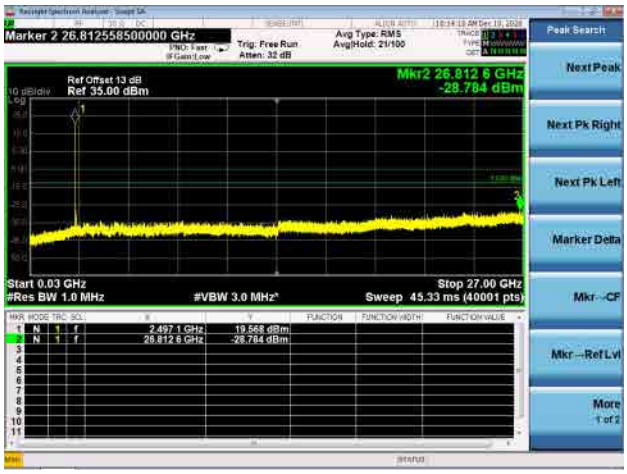
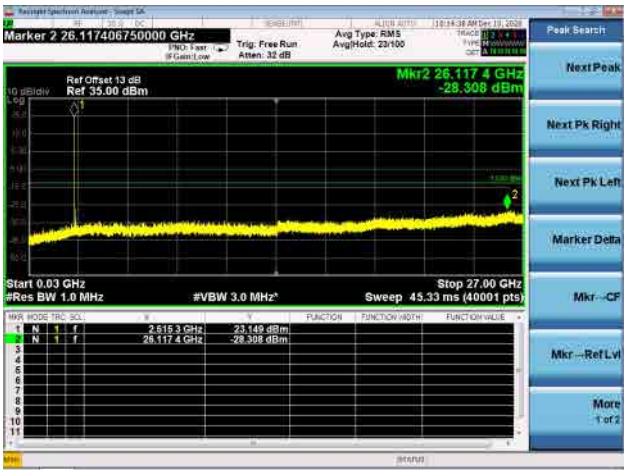
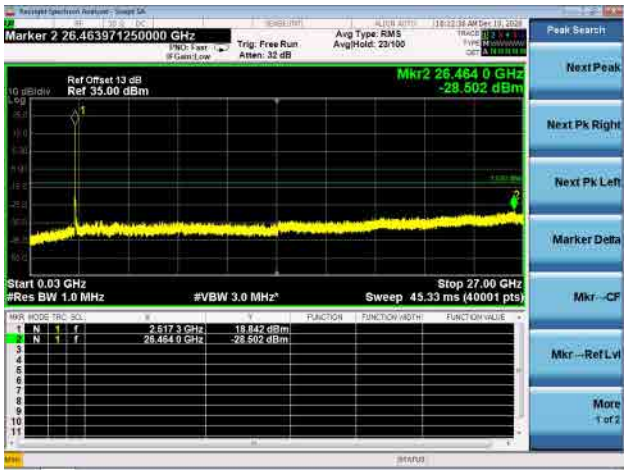
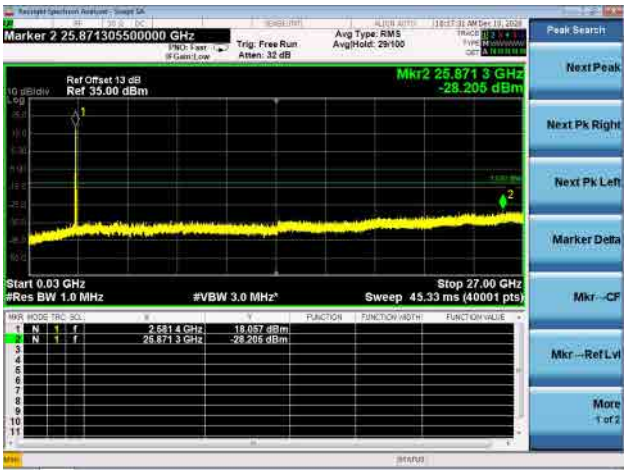
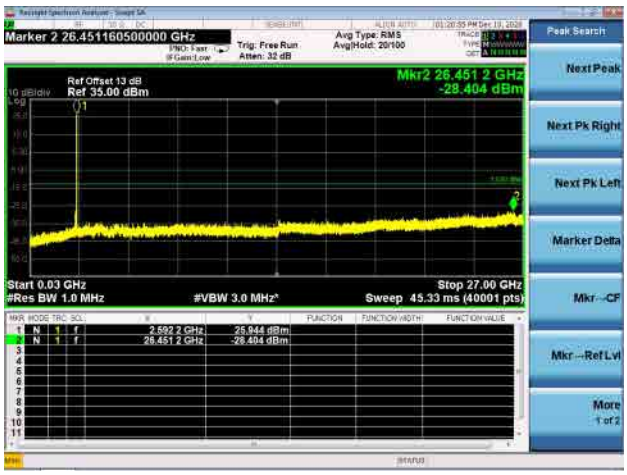
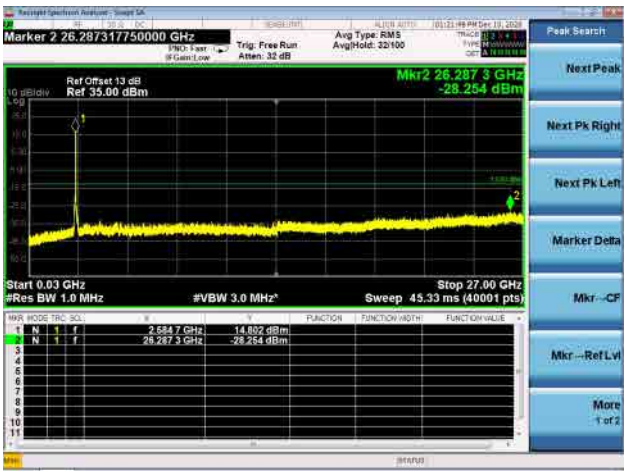
High CH/QPSK/1RB0 and 1RB49	High CH/QPSK/1RB74 and 1RB0
	
High CH/QPSK/FULL RB	
	

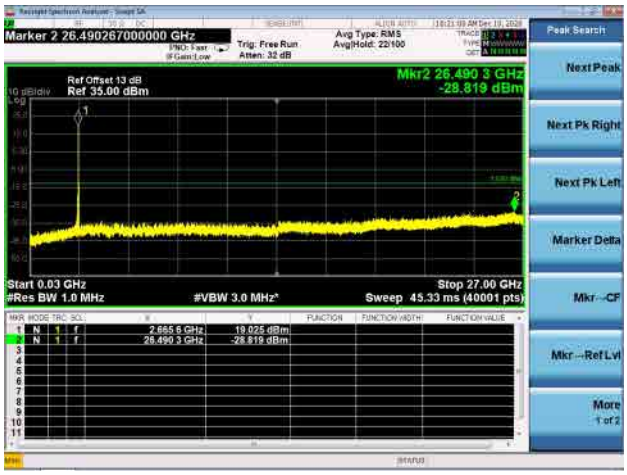
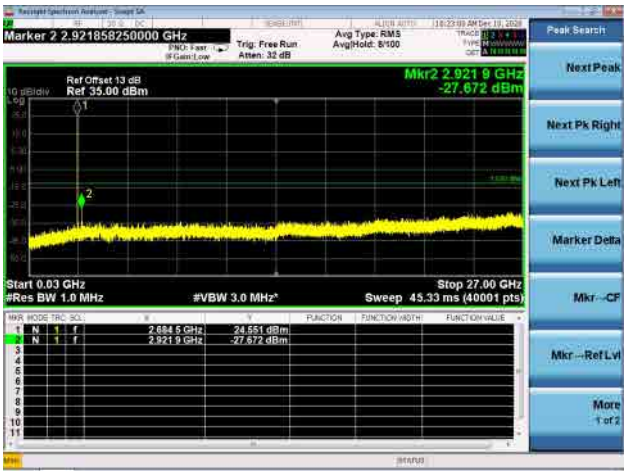
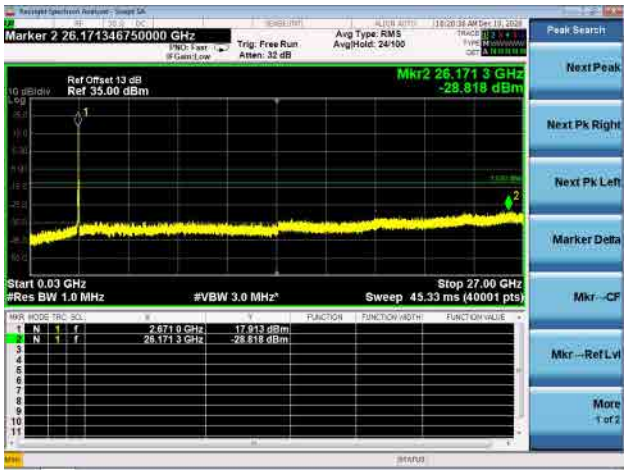
LTE Band 41C CSE	
Channel Bandwidth:15MHz+15MHz	
LOW CH/QPSK/1RB0 and 1RB74	LOW CH/QPSK/1RB74 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB74
	
Mid CH/QPSK/1RB74 and 1RB0	Mid CH/QPSK/FULL RB
	

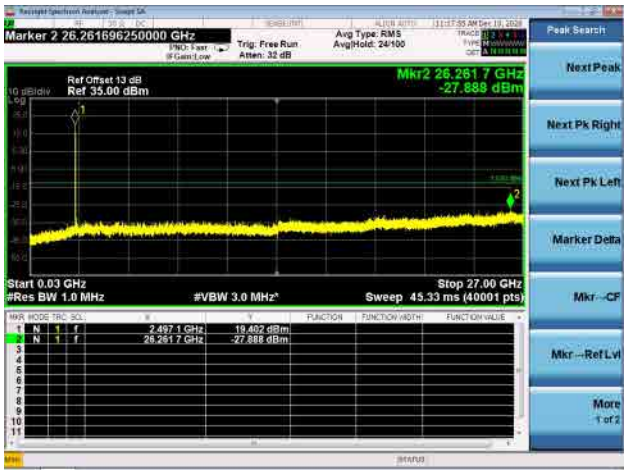
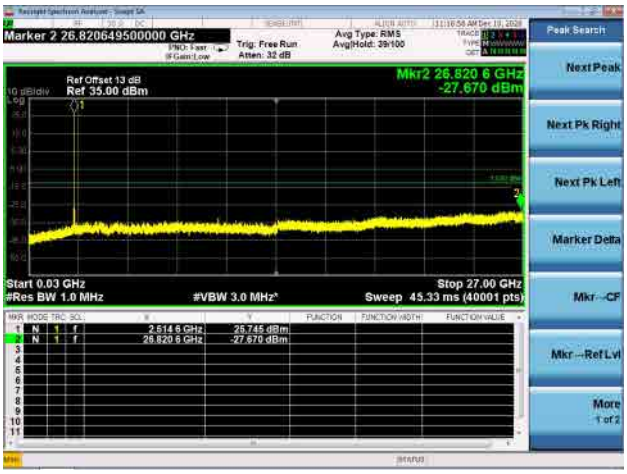
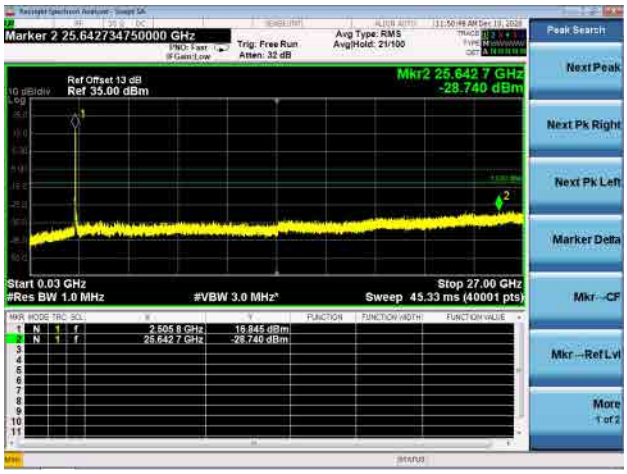
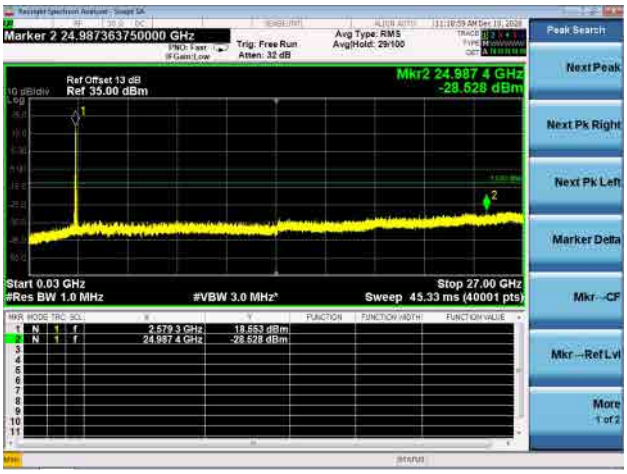
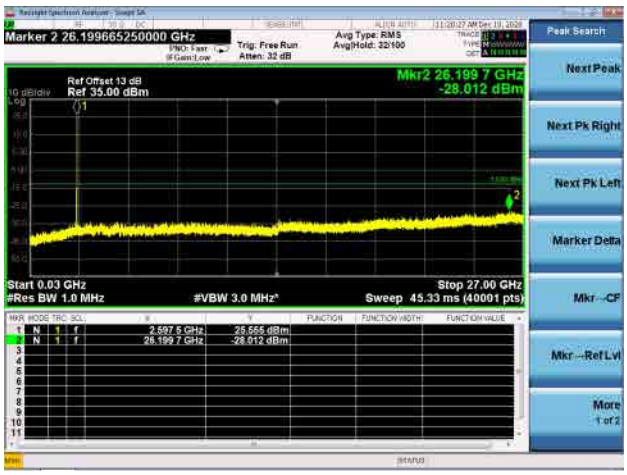
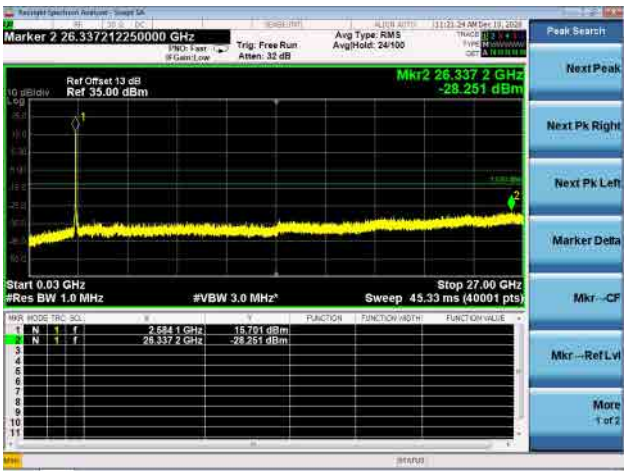
High CH/QPSK/1RB0 and 1RB74	High CH/QPSK/1RB74 and 1RB0
	
High CH/QPSK/FULL RB	
	

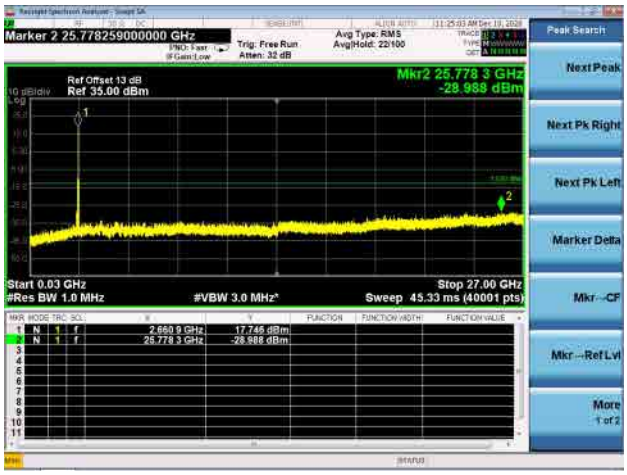
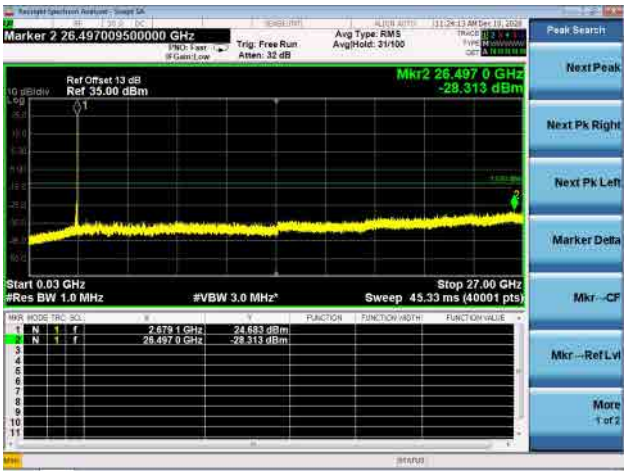
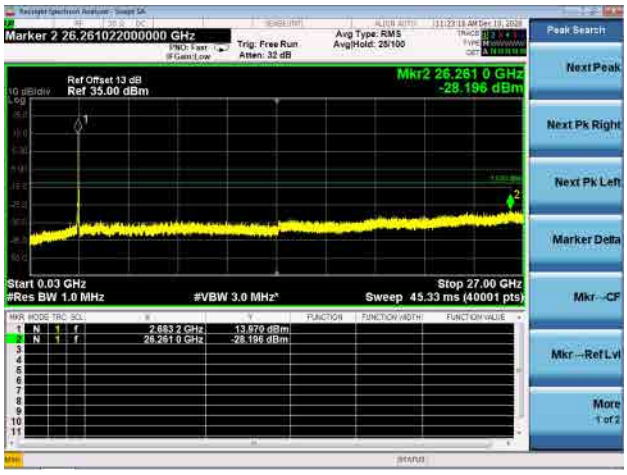
LTE Band 41C CSE	
Channel Bandwidth:15MHz+20MHz	
LOW CH/QPSK/1RB0 and 1RB99	LOW CH/QPSK/1RB74 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB99
	
Mid CH/QPSK/1RB74 and 1RB0	Mid CH/QPSK/FULL RB
	

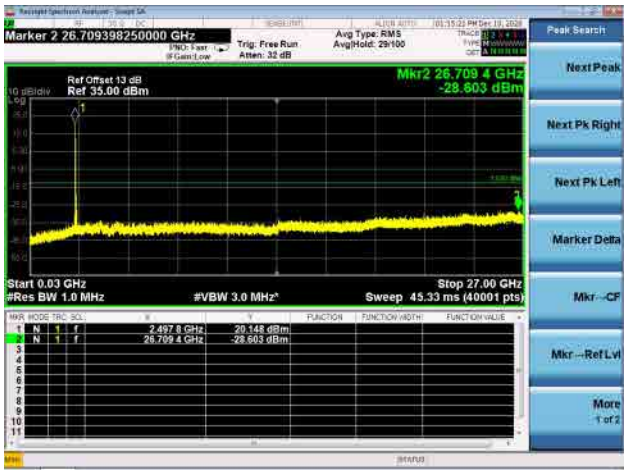
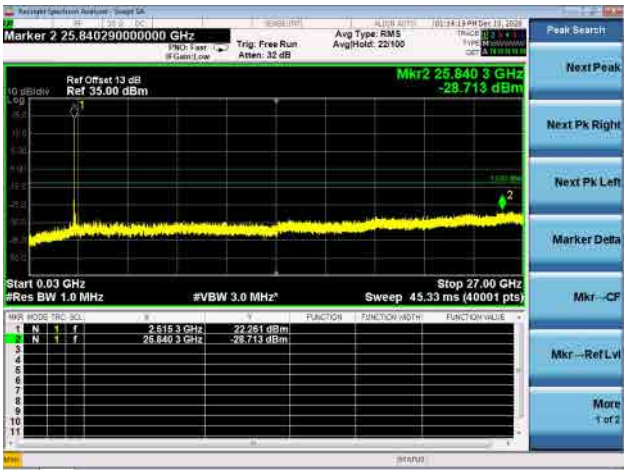
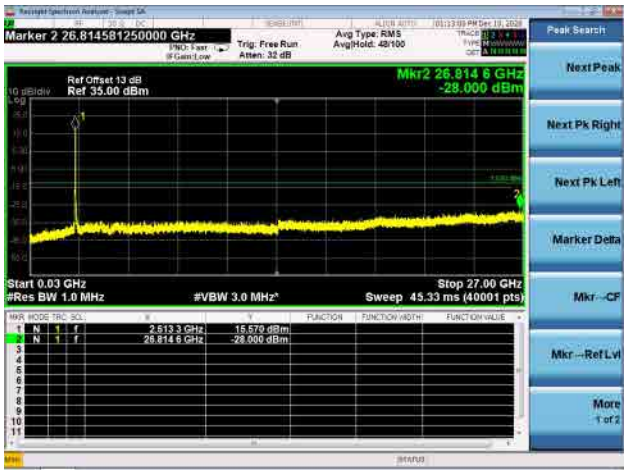
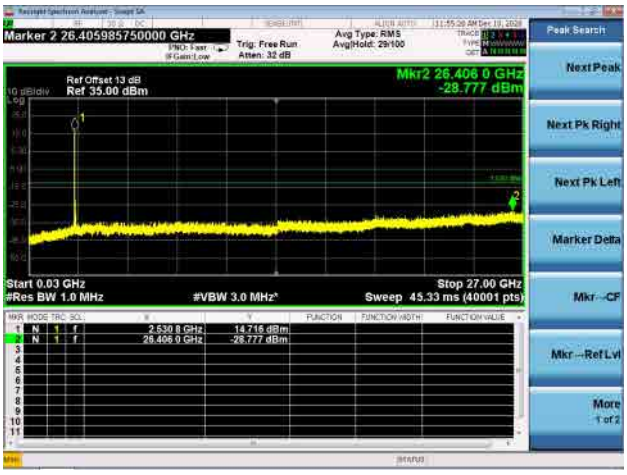
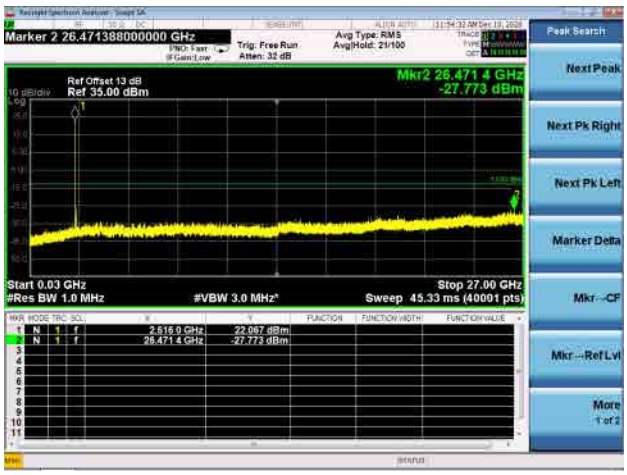
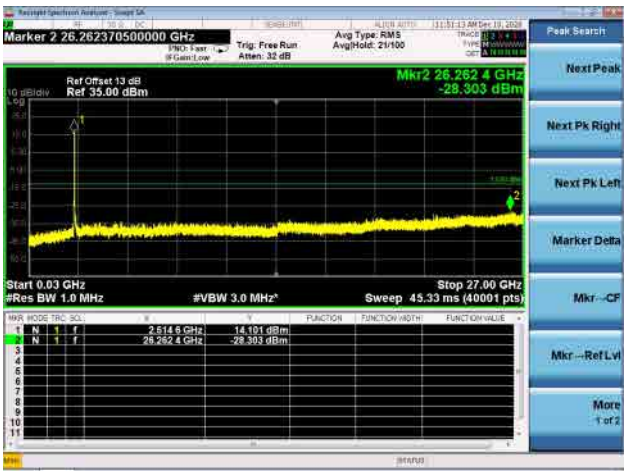
High CH/QPSK/1RB0 and 1RB99	High CH/QPSK/1RB74 and 1RB0
	
High CH/QPSK/FULL RB	
	

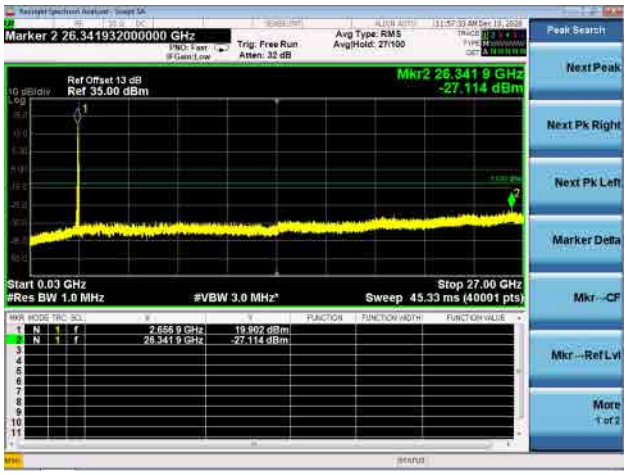
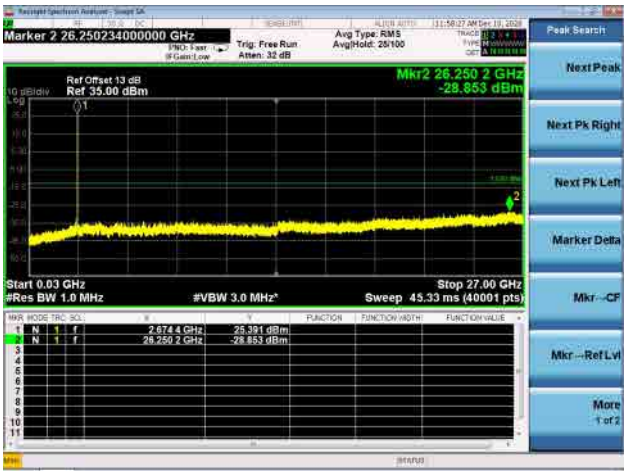
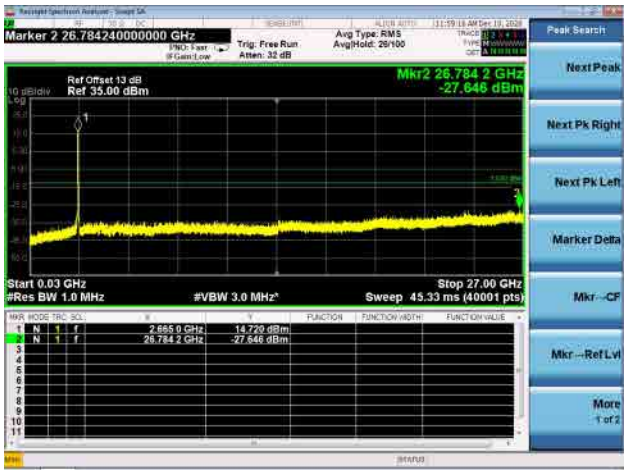
LTE Band 41C CSE	
Channel Bandwidth:20MHz+5MHz	
LOW CH/QPSK/1RB0 and 1RB24	LOW CH/QPSK/1RB99 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB24
	
Mid CH/QPSK/1RB99 and 1RB0	Mid CH/QPSK/FULL RB
	

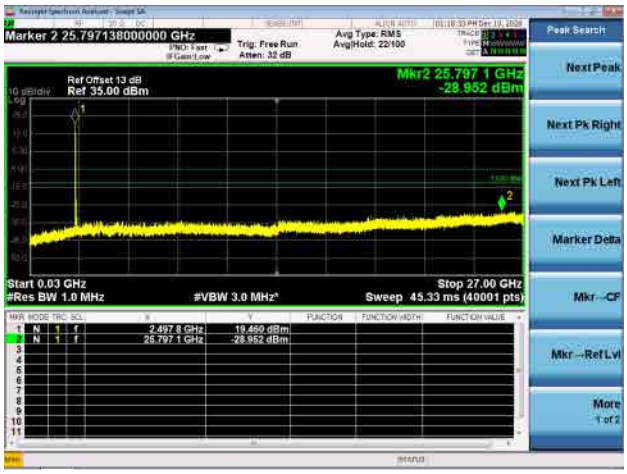
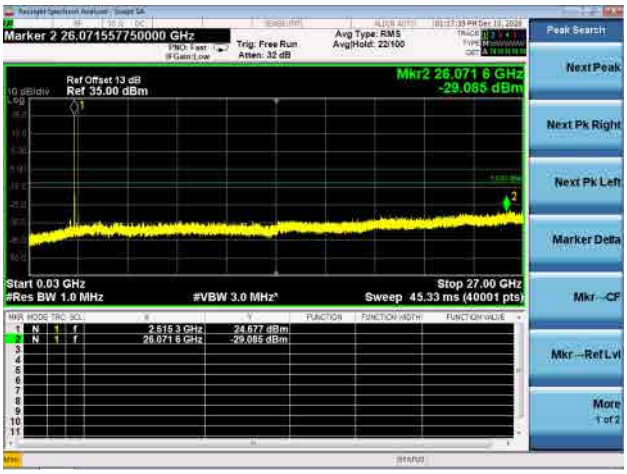
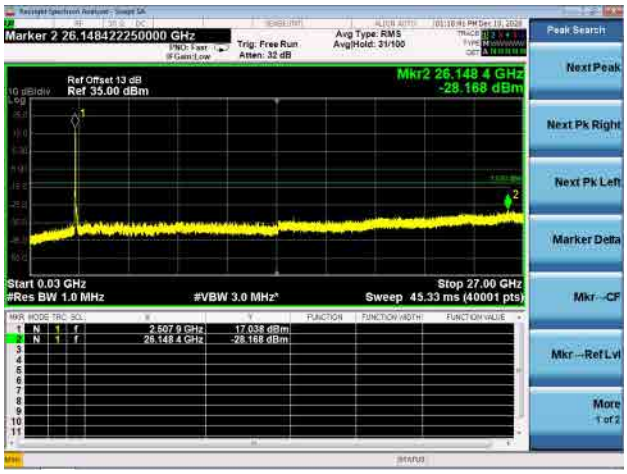
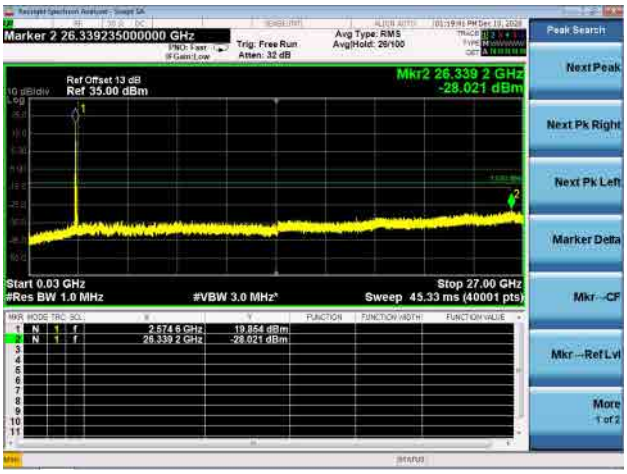
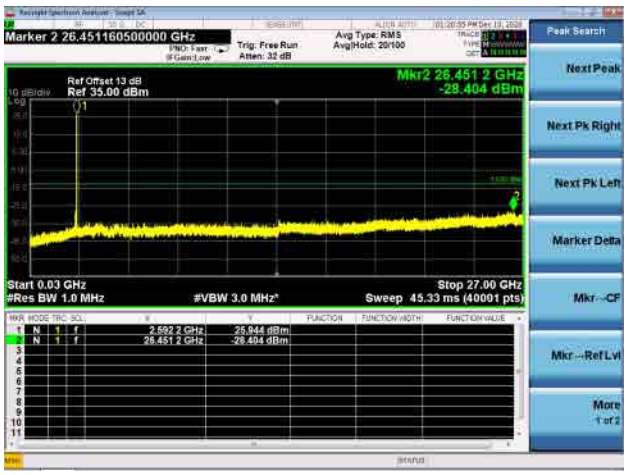
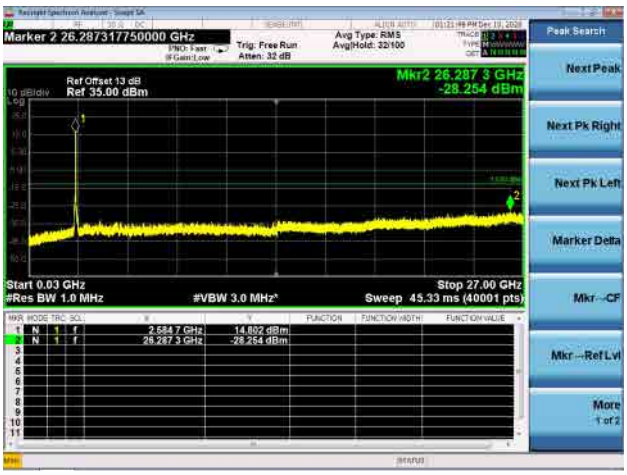
High CH/QPSK/1RB0 and 1RB24	High CH/QPSK/1RB99 and 1RB0
	
High CH/QPSK/FULL RB	
	

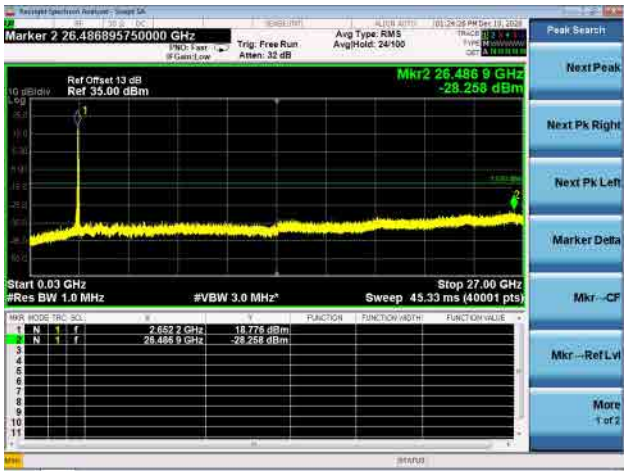
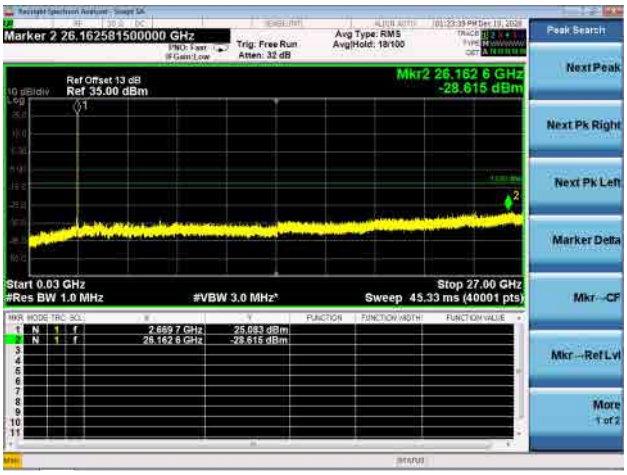
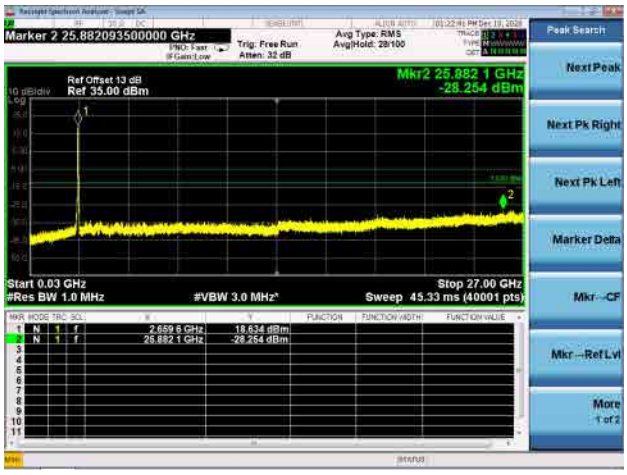
LTE Band 41C CSE	
Channel Bandwidth:20MHz+10MHz	
LOW CH/QPSK/1RB0 and 1RB49	LOW CH/QPSK/1RB99 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB49
	
Mid CH/QPSK/1RB99 and 1RB0	Mid CH/QPSK/FULL RB
	

High CH/QPSK/1RB0 and 1RB49	High CH/QPSK/1RB99 and 1RB0
	
High CH/QPSK/FULL RB	
	

LTE Band 41C CSE	
Channel Bandwidth:20MHz+15MHz	
LOW CH/QPSK/1RB0 and 1RB74	LOW CH/QPSK/1RB99 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB74
	
Mid CH/QPSK/1RB99 and 1RB0	Mid CH/QPSK/FULL RB
	

High CH/QPSK/1RB0 and 1RB74	High CH/QPSK/1RB99 and 1RB0
	
High CH/QPSK/FULL RB	
	

LTE Band 41C CSE	
Channel Bandwidth:20MHz+20MHz	
LOW CH/QPSK/1RB0 and 1RB99	LOW CH/QPSK/1RB99 and 1RB0
	
LOW CH/QPSK/FULL RB	Mid CH/QPSK/1RB0 and 1RB99
	
Mid CH/QPSK/1RB99 and 1RB0	Mid CH/QPSK/FULL RB
	

High CH/QPSK/1RB0 and 1RB99	High CH/QPSK/1RB99 and 1RB0
	
High CH/QPSK/FULL RB	
	

2.4. Band Edge

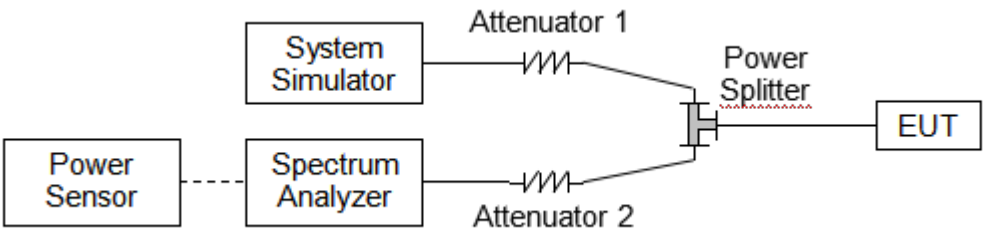
2.4.1. Requirement

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 27.53(g), For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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.

2.4.2. Test Description



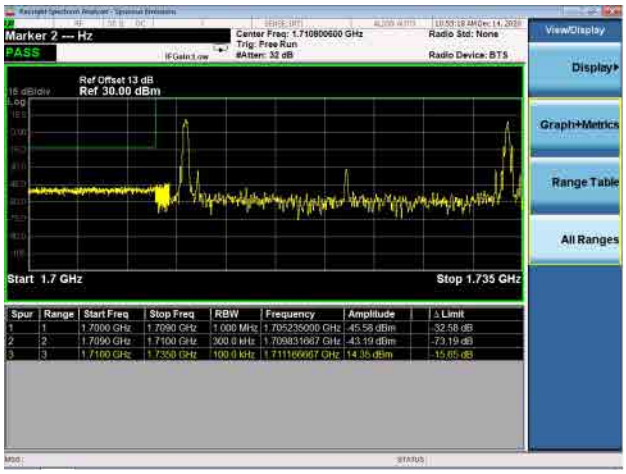
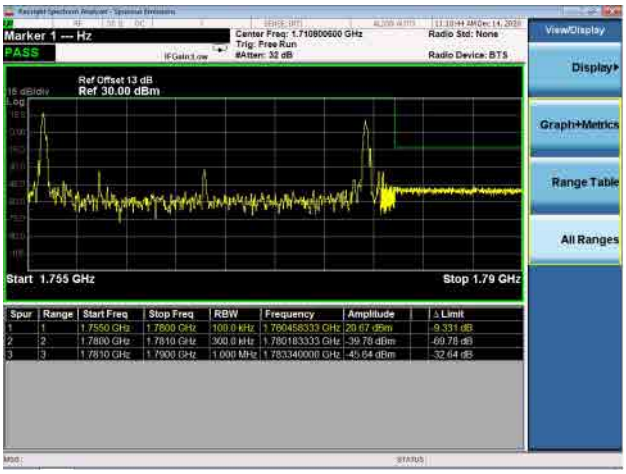
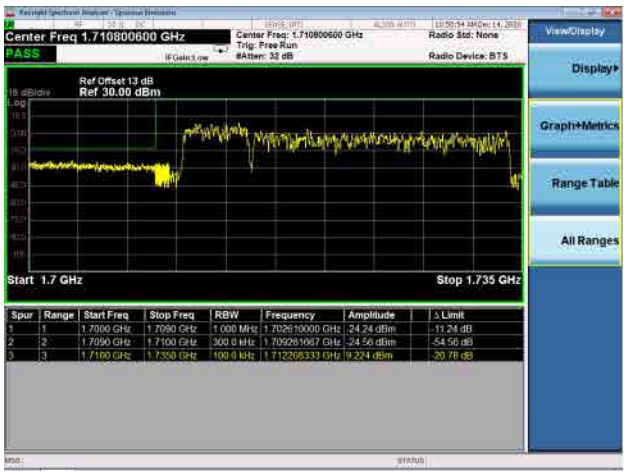
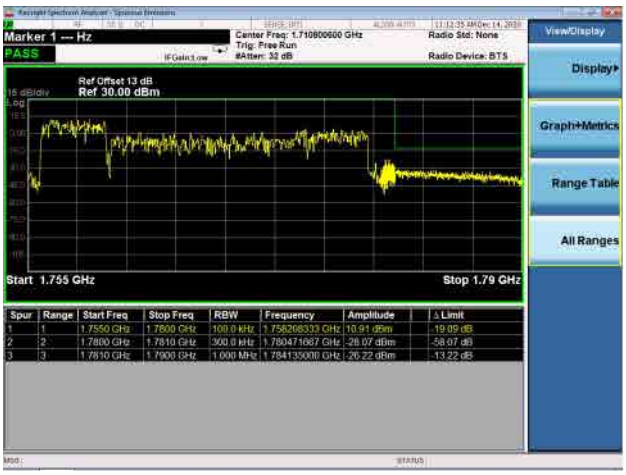
The EUTis coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

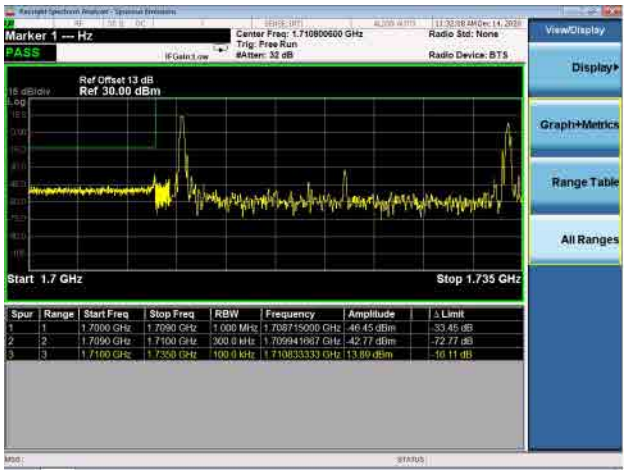
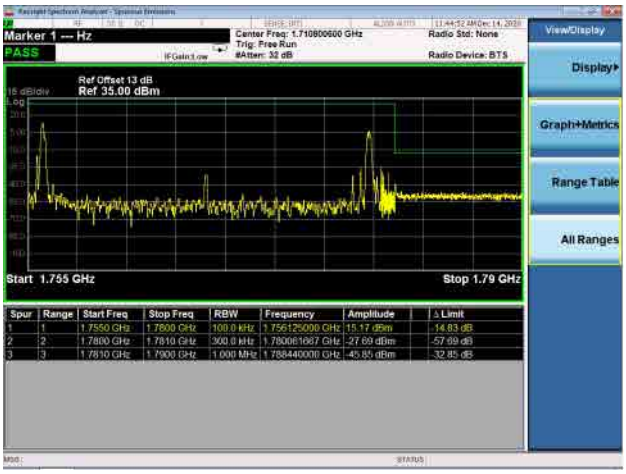
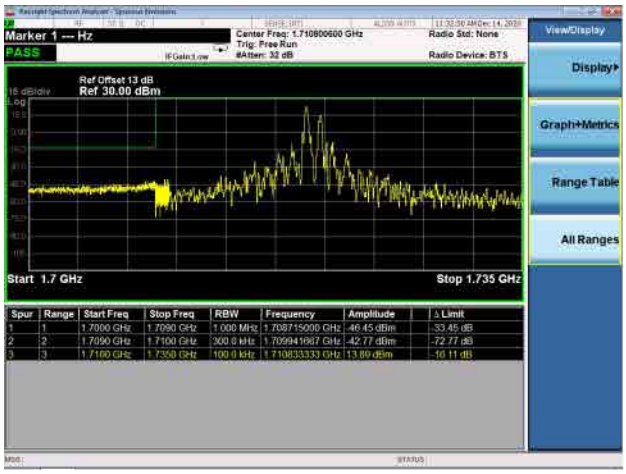
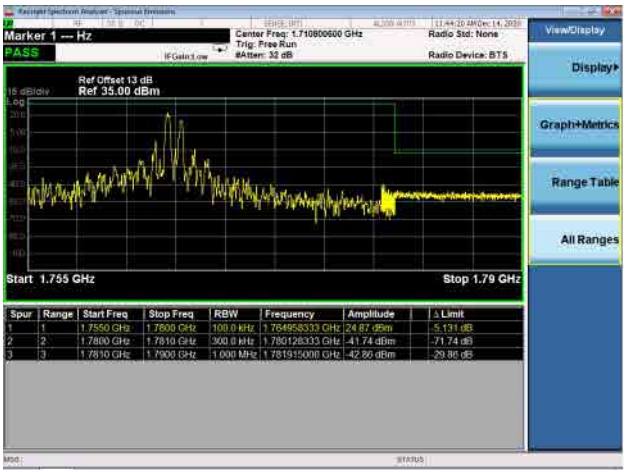
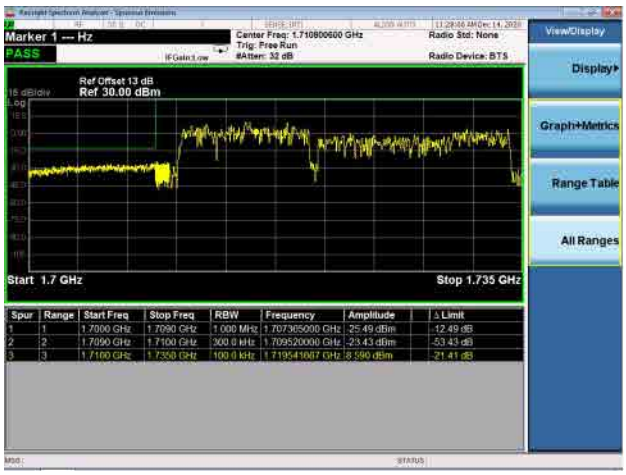
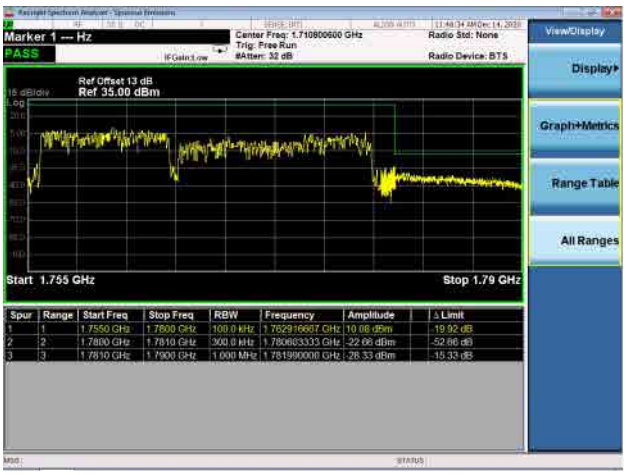
2.4.3. Test procedure

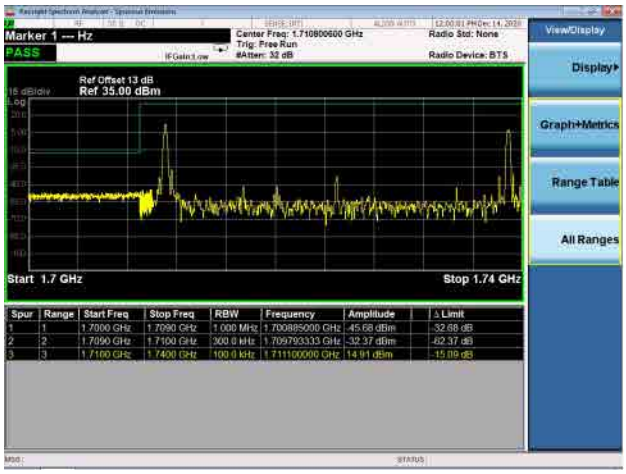
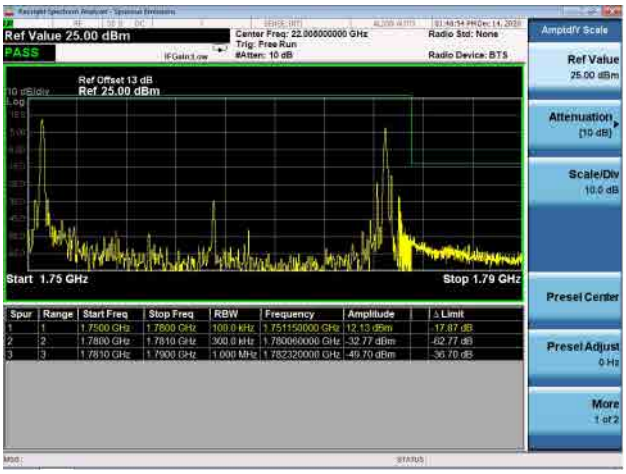
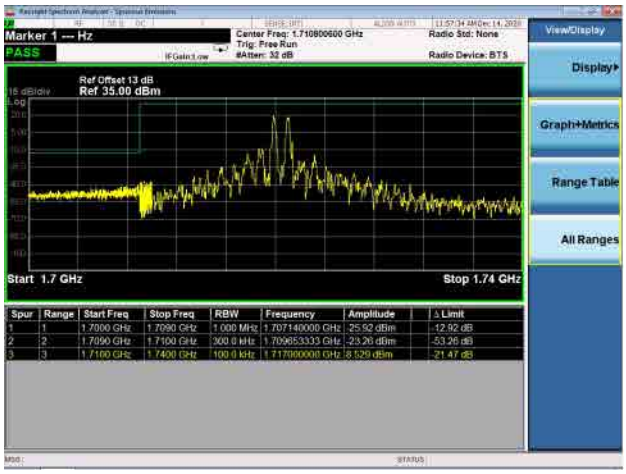
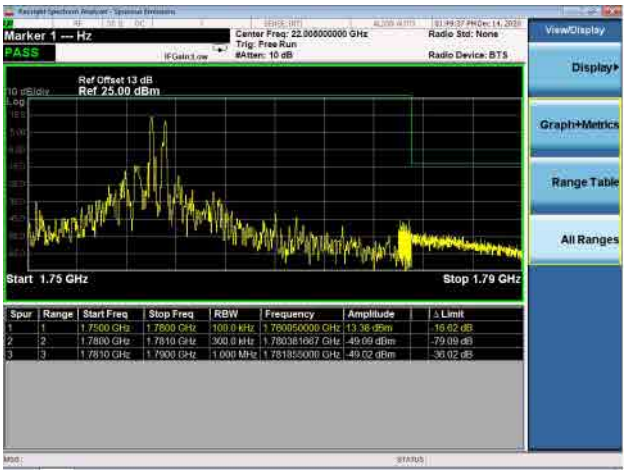
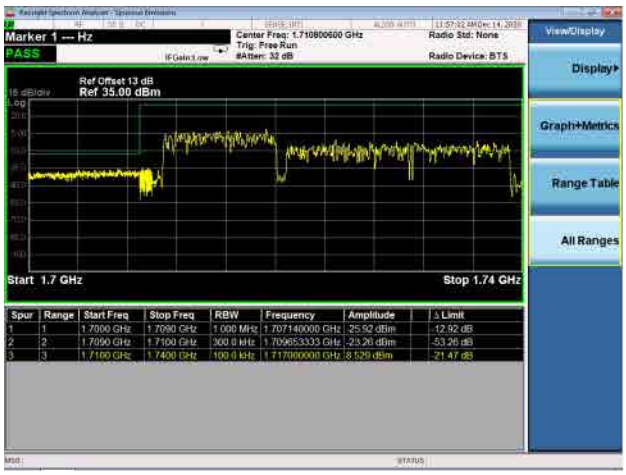
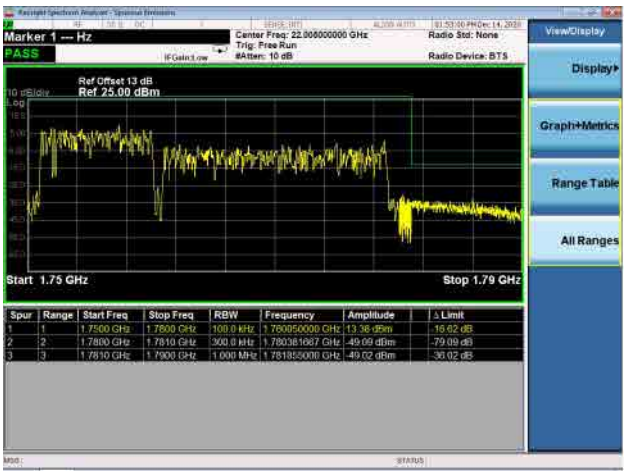
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

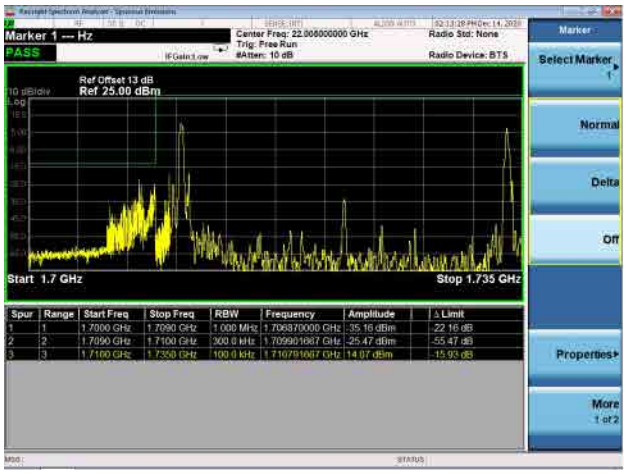
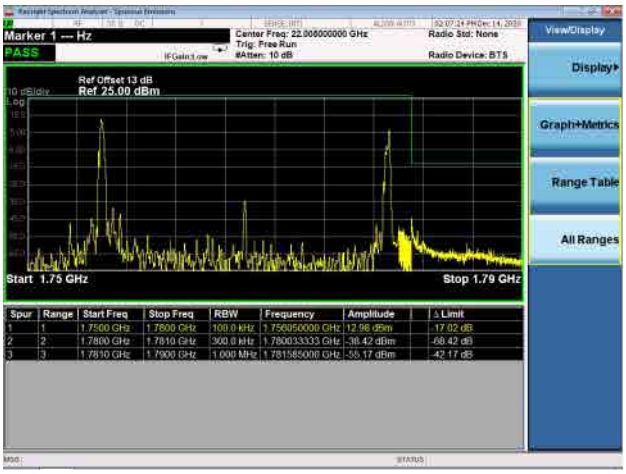
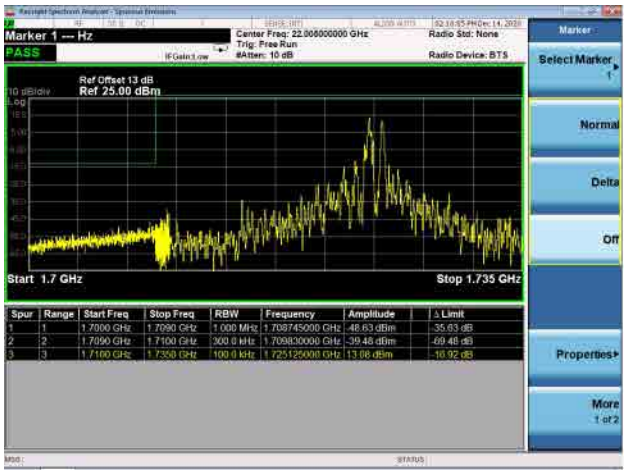
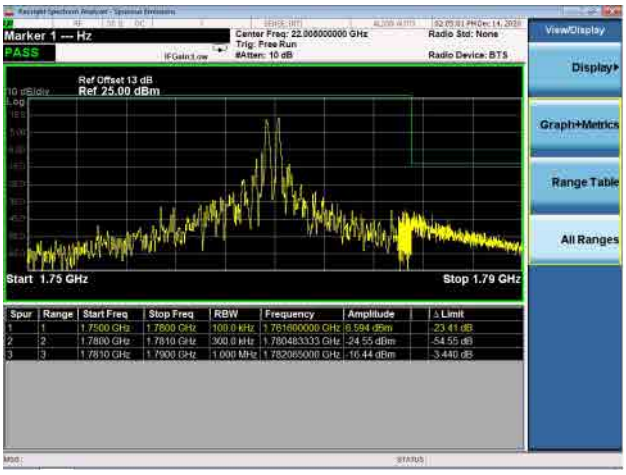
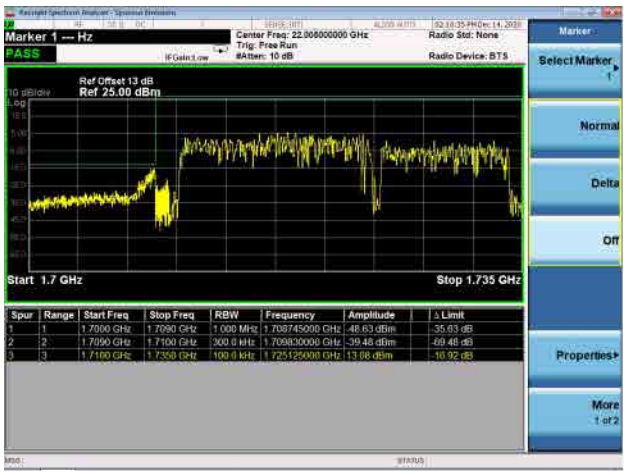
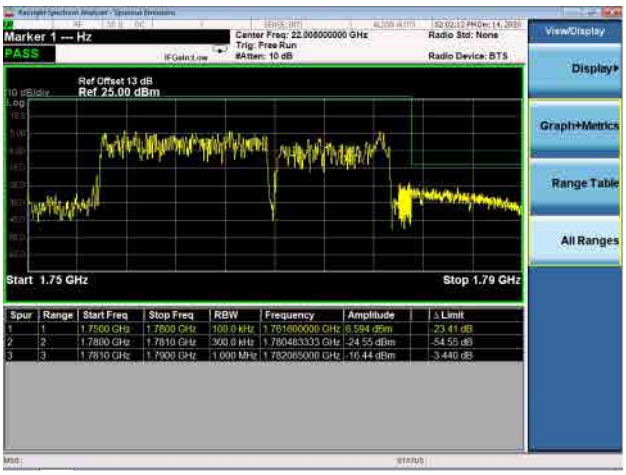
2.4.4. Test Result

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

LTE Band 66C	
Channel Bandwidth: 5MHz+20MHz	
Low 1RB0 and 1RB99	High 1RB0 and 1RB99
	
Low 1RB24 and 1RB0	High 1RB24 and 1RB0
Low FULL RB	High FULL RB
	

LTE Band 66C	
Channel Bandwidth: 10MHz+15MHz	
Low 1RB0 and 1RB74	High 1RB0 and 1RB74
	
Low 1RB49 and 1RB0	High 1RB49 and 1RB0
	
Low FULL RB	High FULL RB
	

LTE Band 66C	
Channel Bandwidth: 10MHz+20MHz	
Low 1RB0 and 1RB99	High 1RB0 and 1RB99
	
Low 1RB49 and 1RB0	High 1RB49 and 1RB0
	
Low FULL RB	High FULL RB
	

LTE Band 66C	
Channel Bandwidth: 15MHz+10MHz	
Low 1RB0 and 1RB49	High 1RB0 and 1RB49
	
Low 1RB74 and 1RB0	High 1RB74 and 1RB0
	
Low FULL RB	High FULL RB