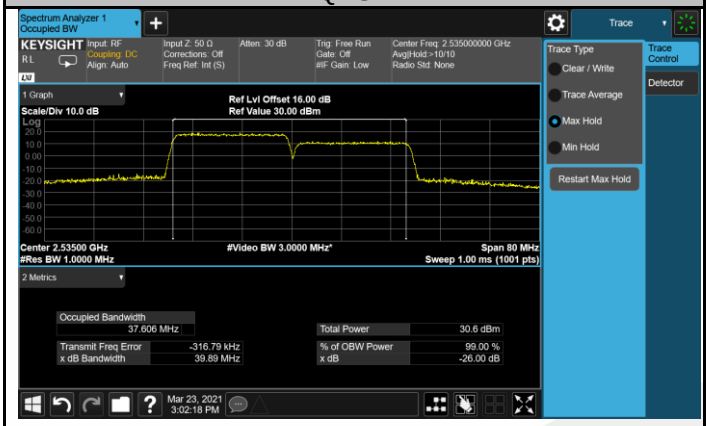
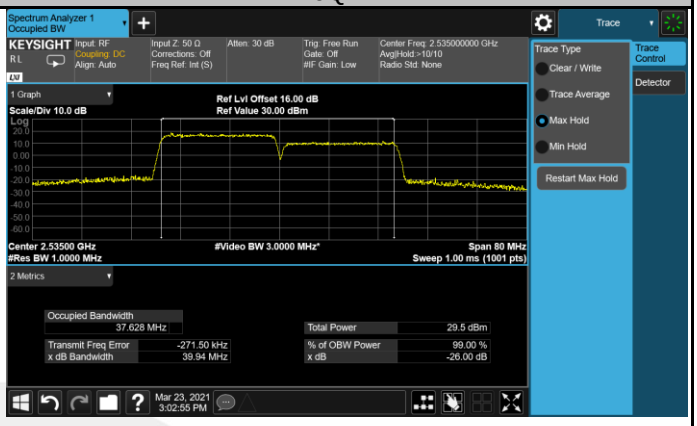
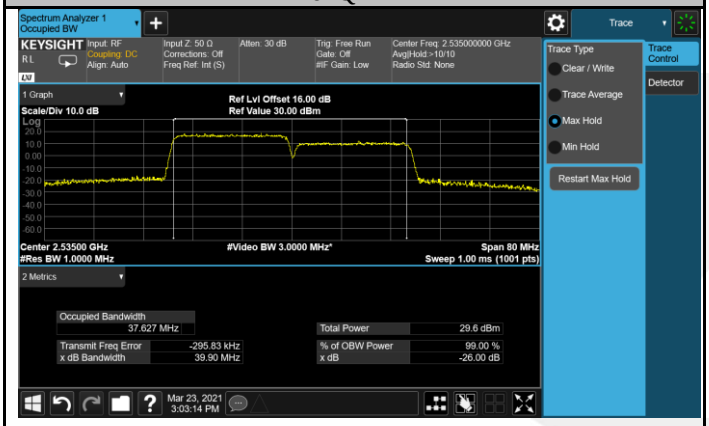
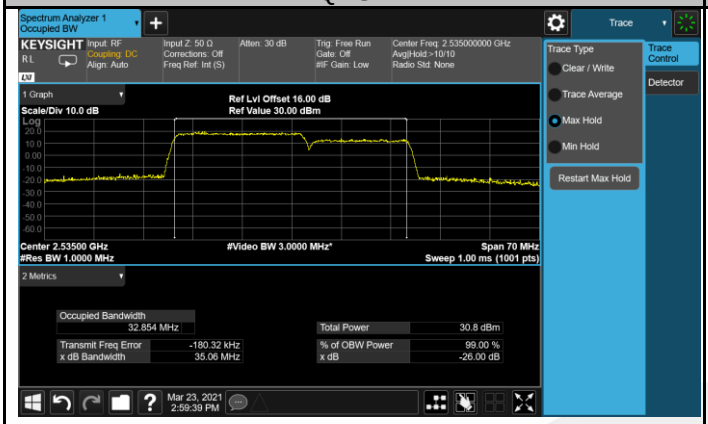
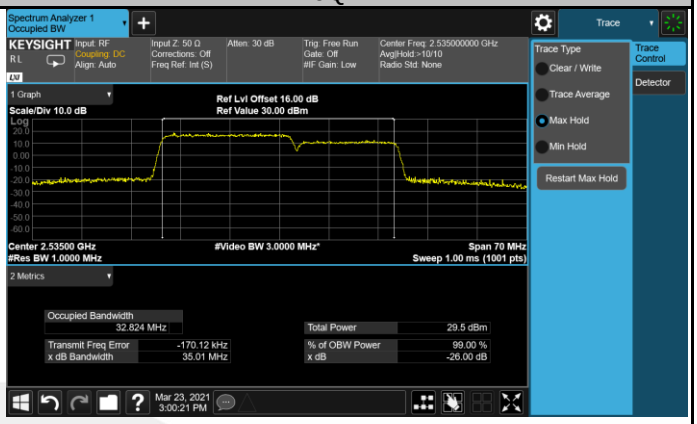
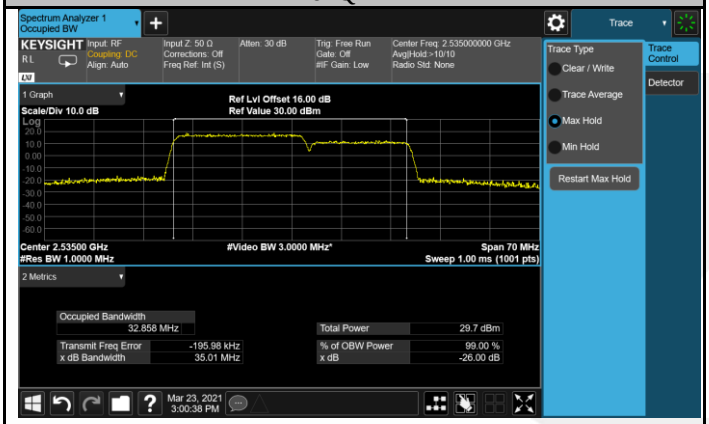
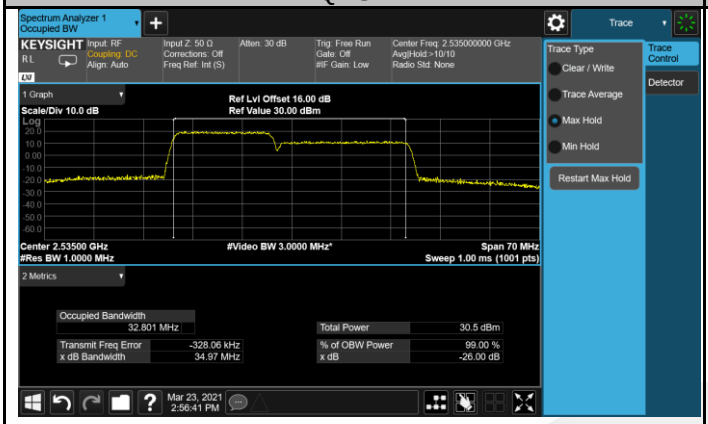
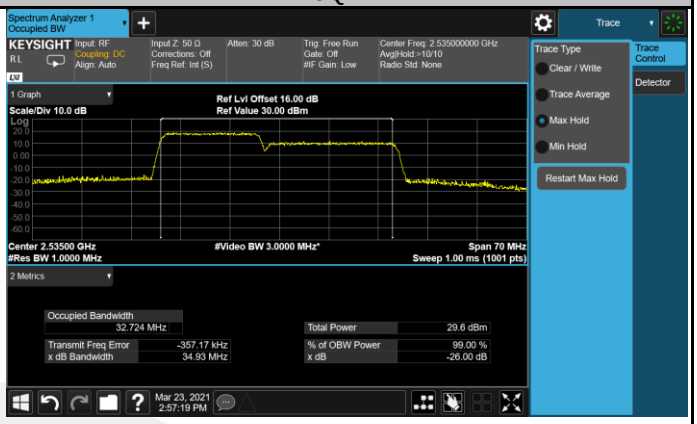
LTE Band 7_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 20+20MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

LTE Band 7_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 20+15MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

LTE Band 7_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 15+20MHz - Middle Channel	
QPSK	16QAM
	
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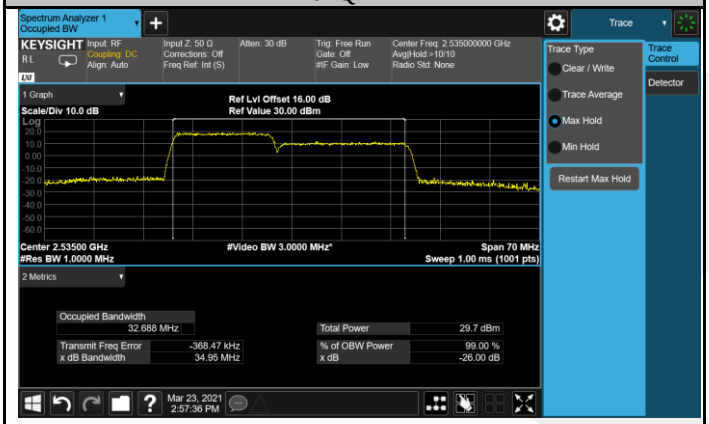
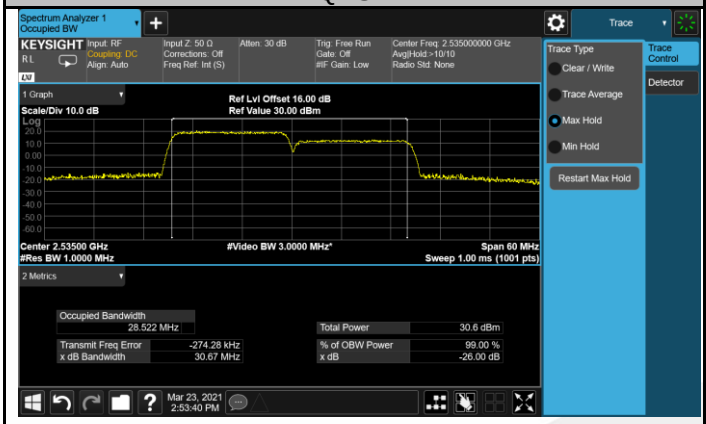
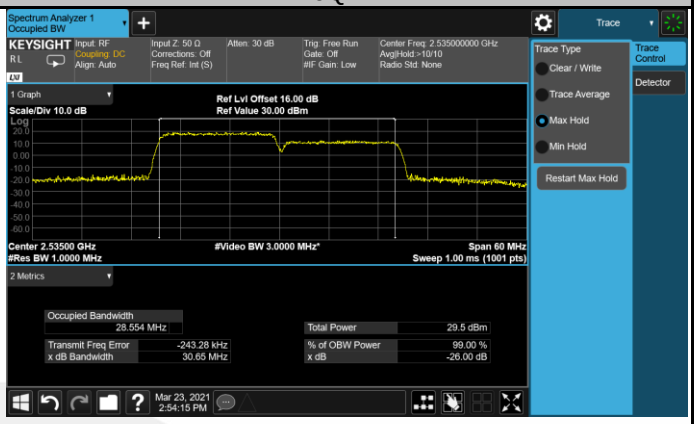
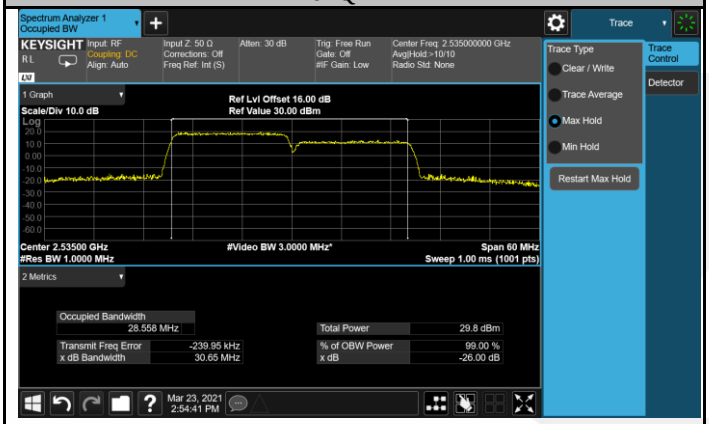
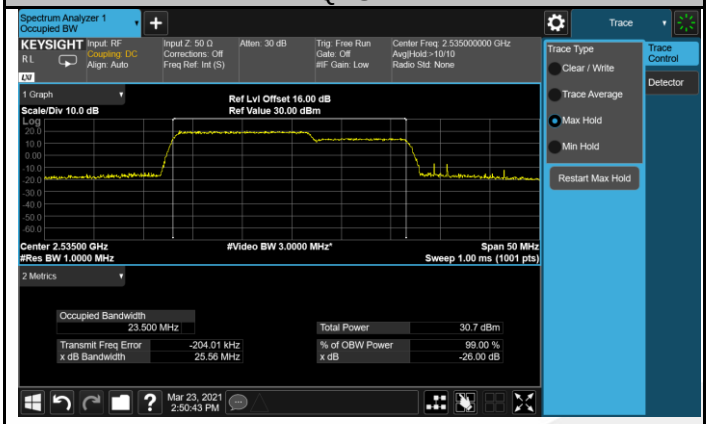
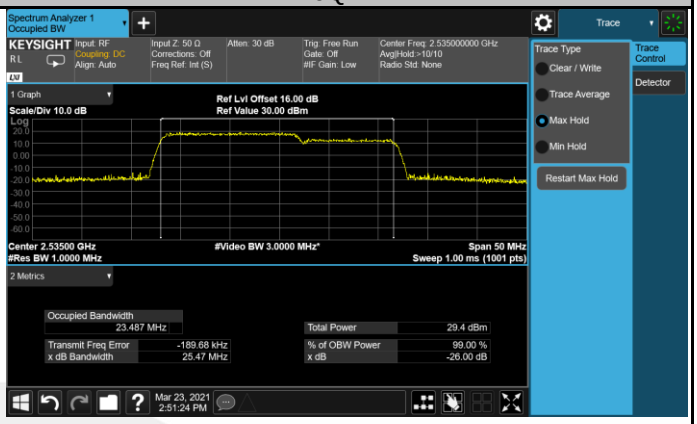
	

LTE Band 7_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 15+15MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

LTE Band 7_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 15+10MHz - Middle Channel	
QPSK	16QAM
	
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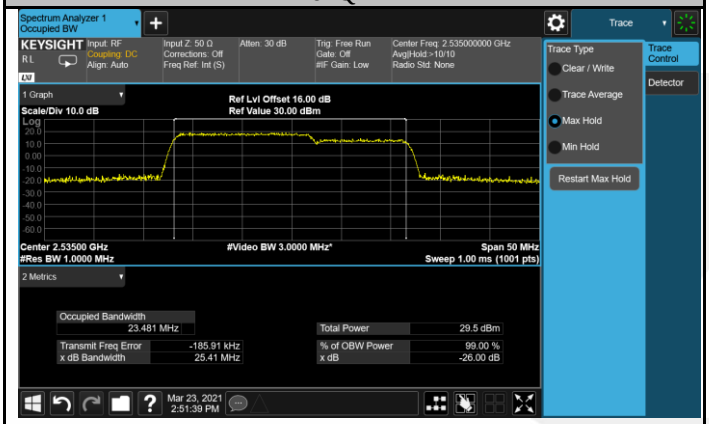
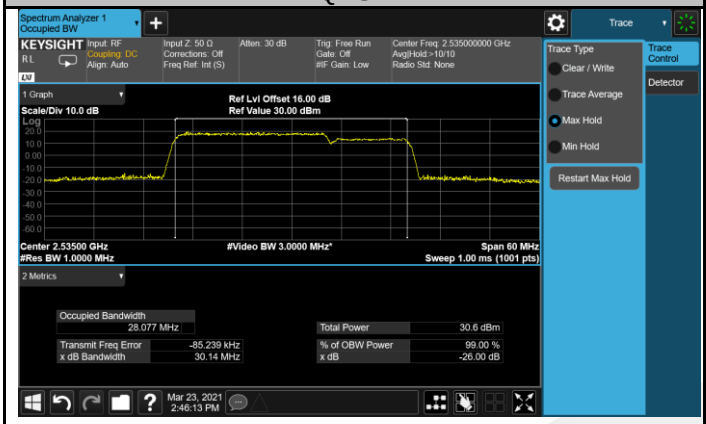
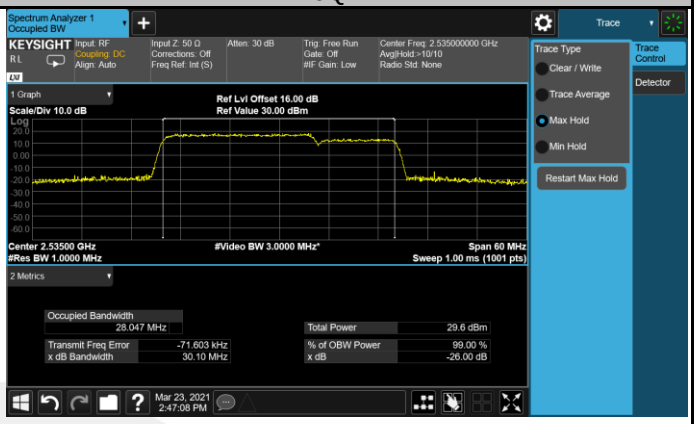
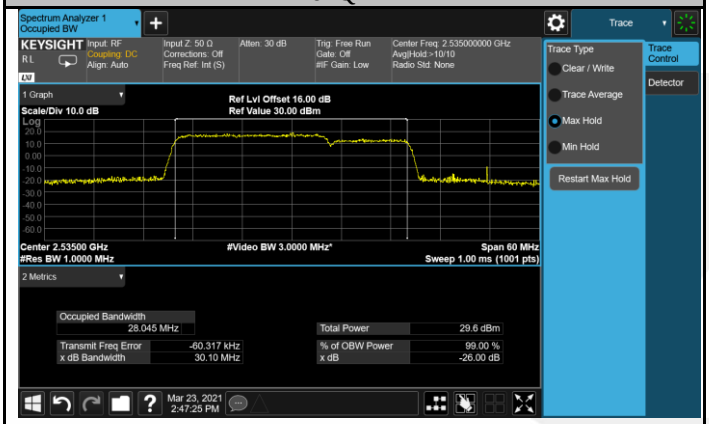
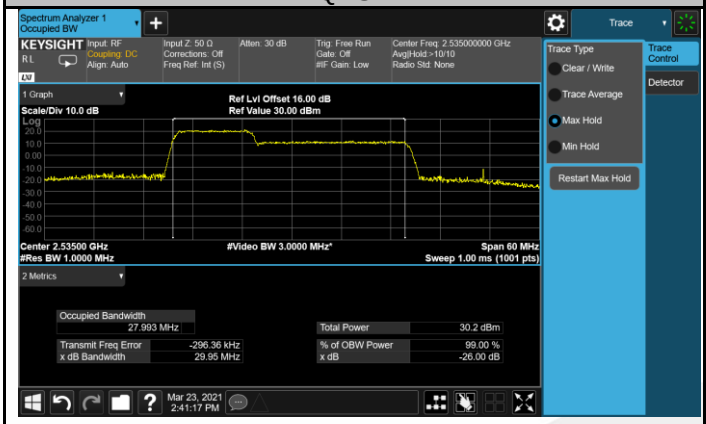
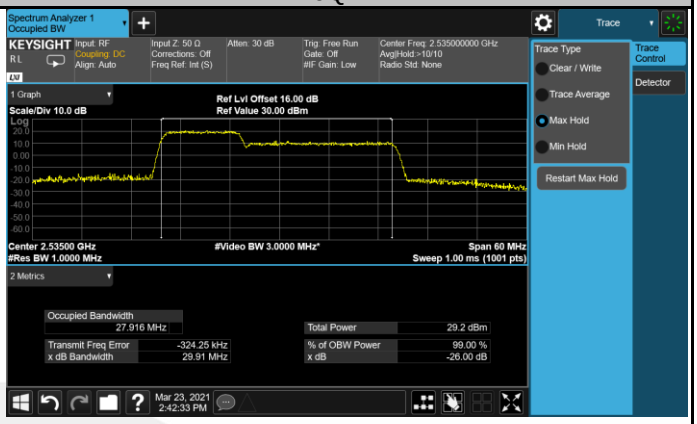
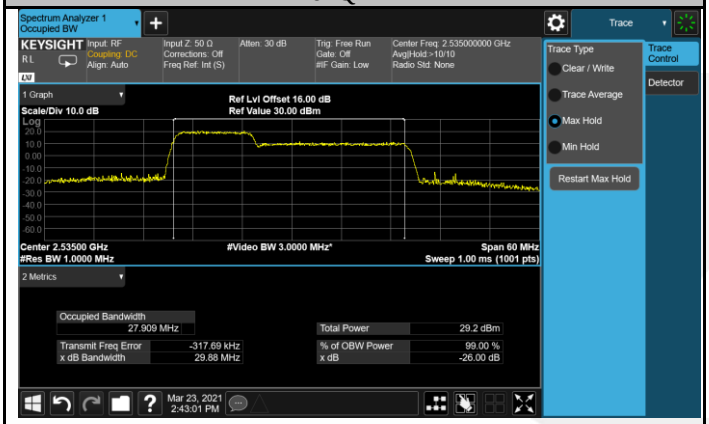
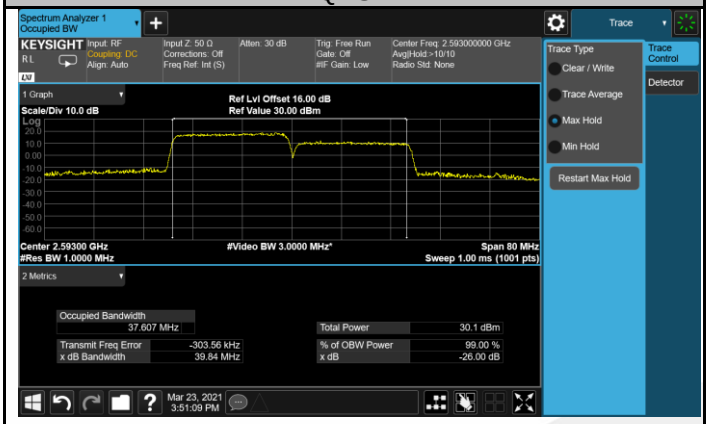
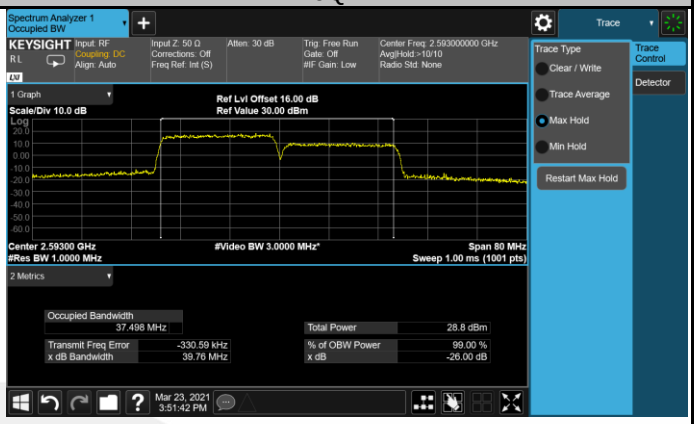
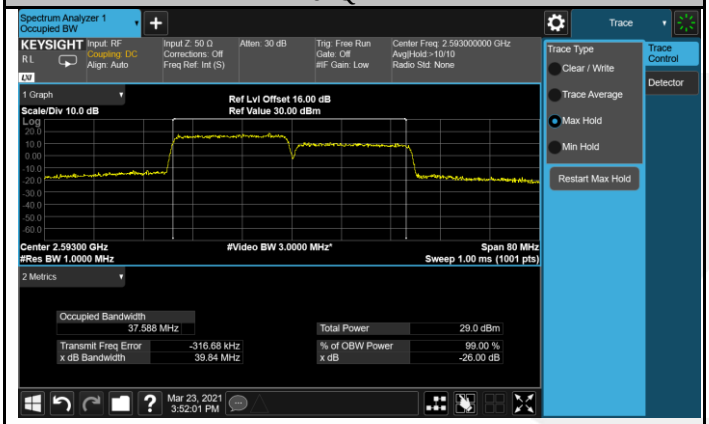
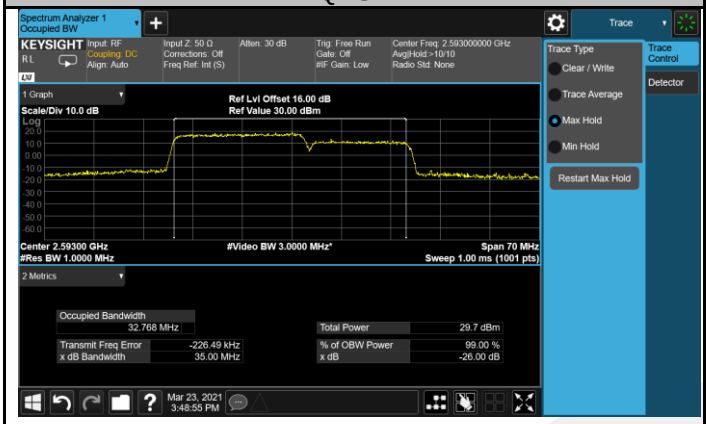
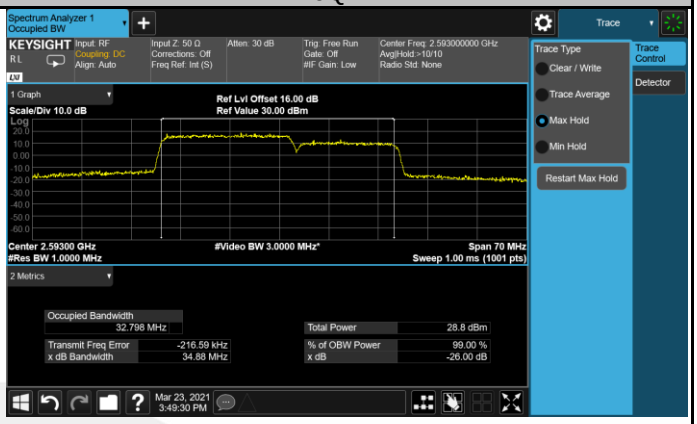
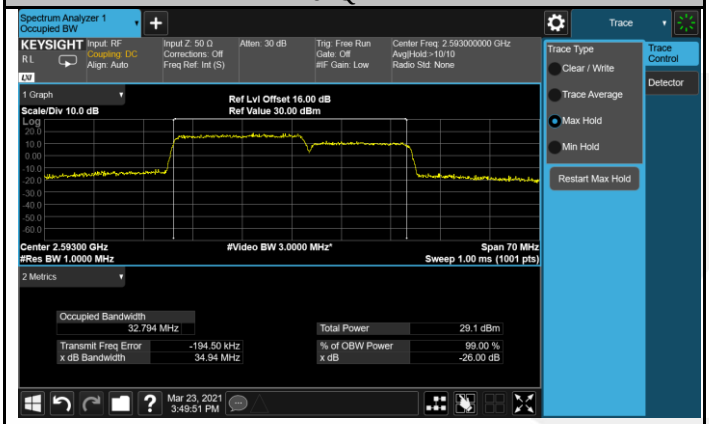
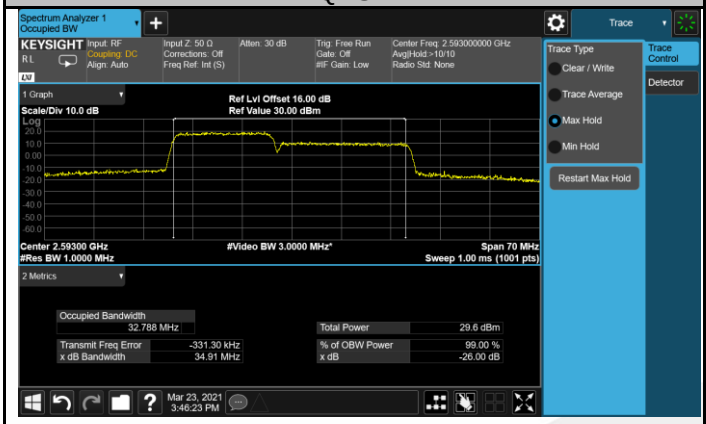
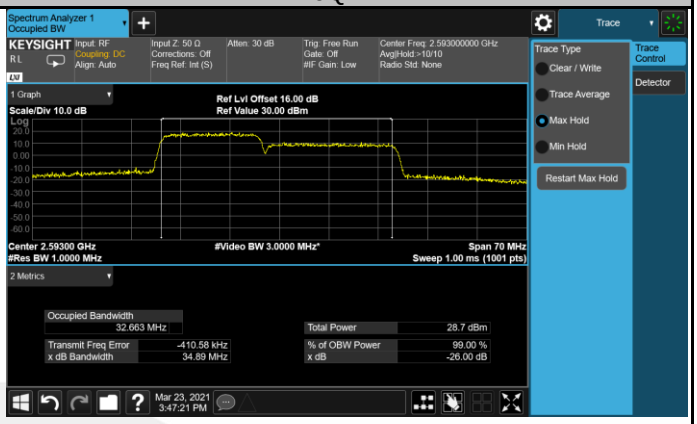
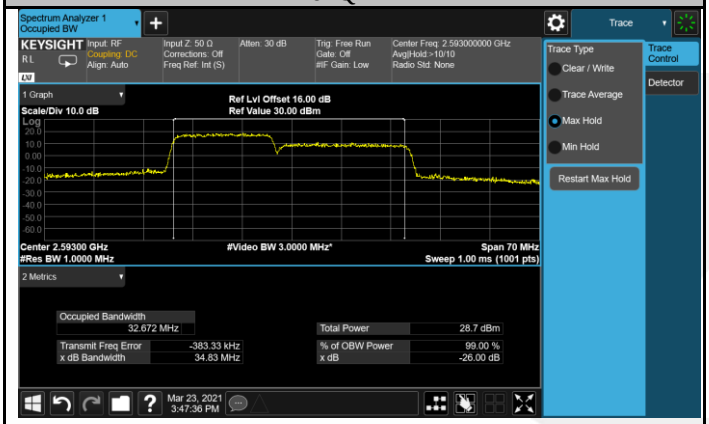
	

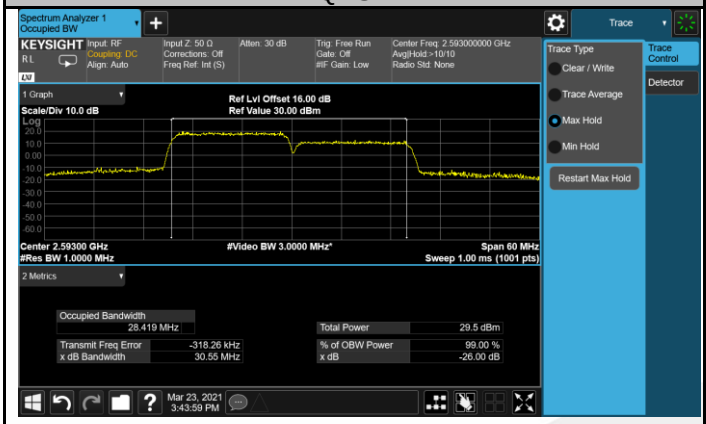
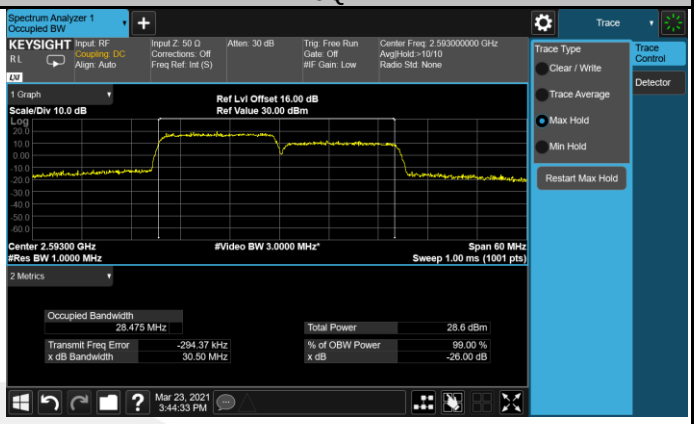
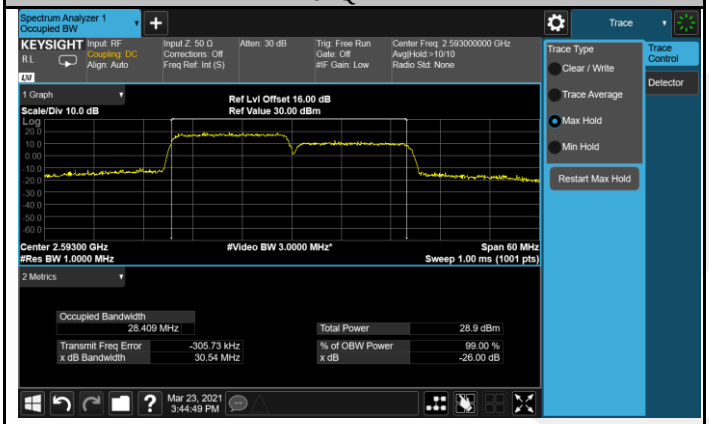
LTE Band 7_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 20+10MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

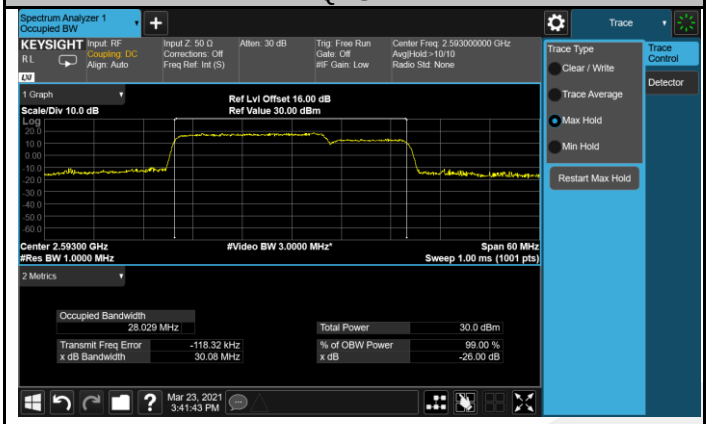
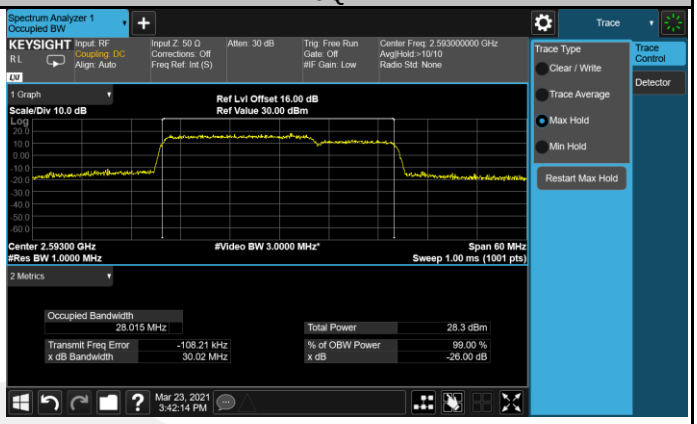
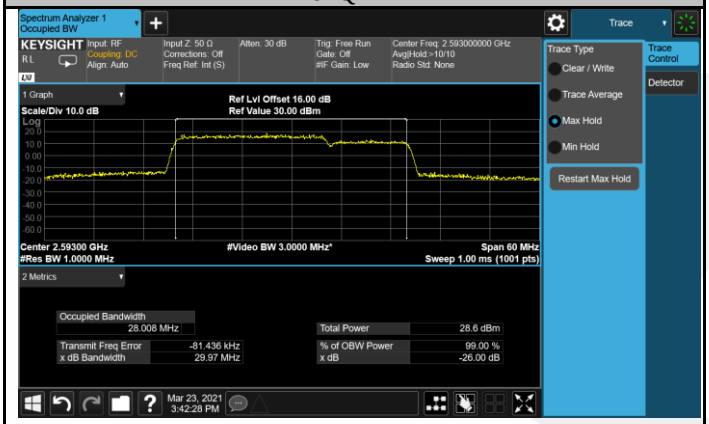
LTE Band 7_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 10+20MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

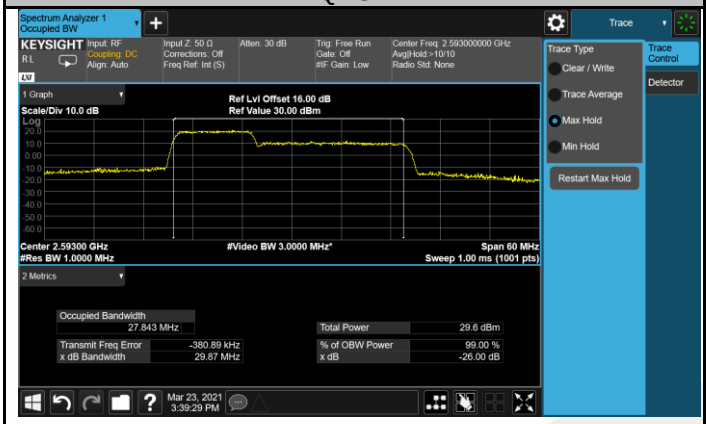
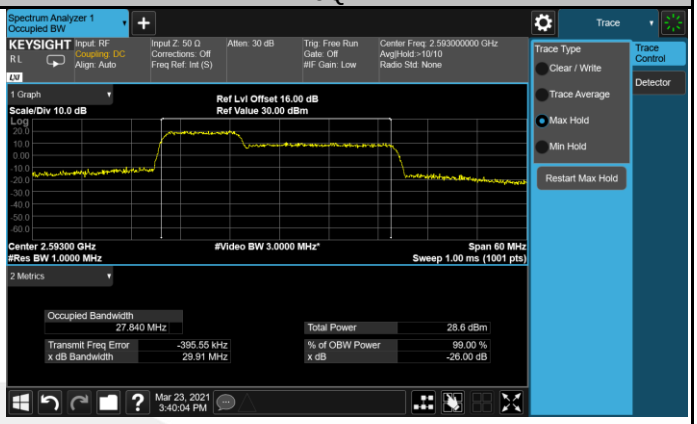
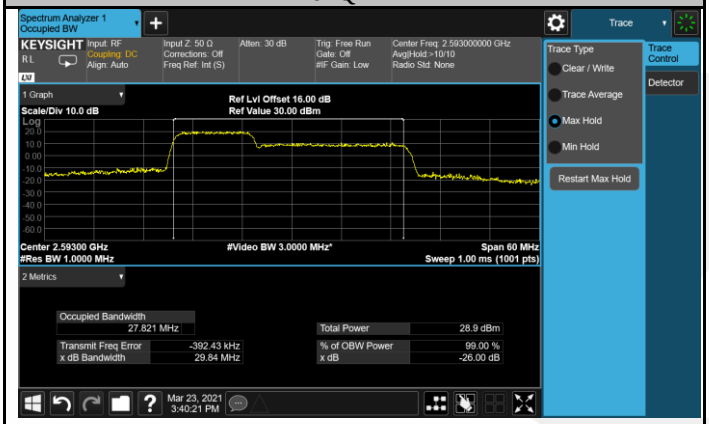
LTE Band 41_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 20+20MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

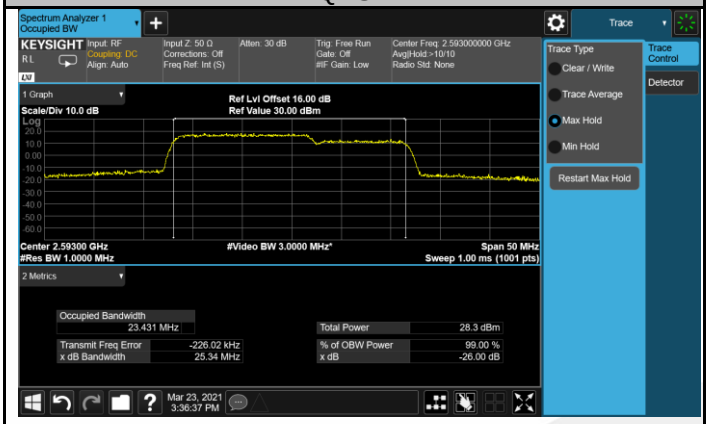
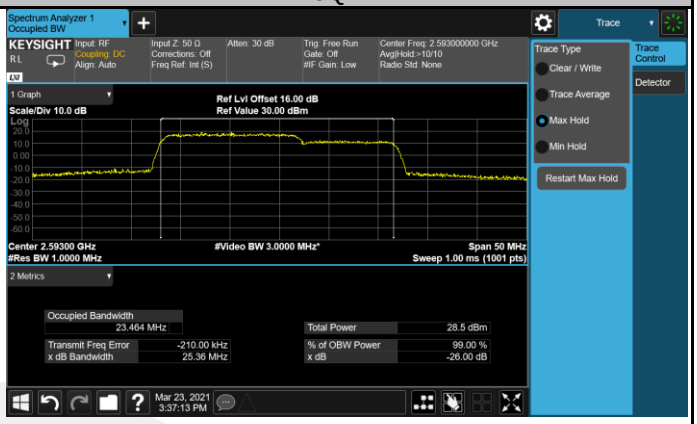
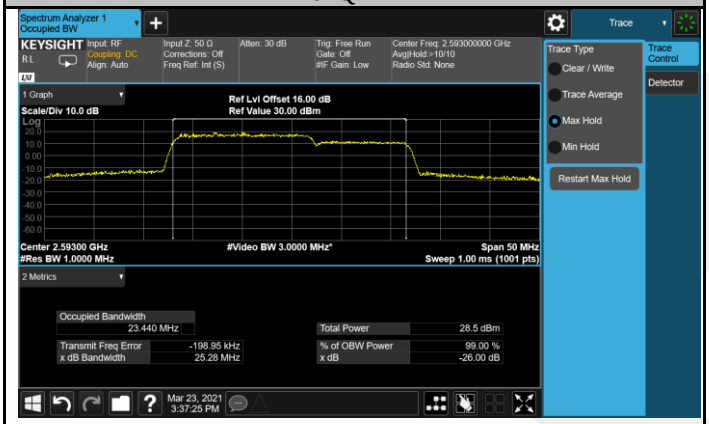
LTE Band 41_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 20+15MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

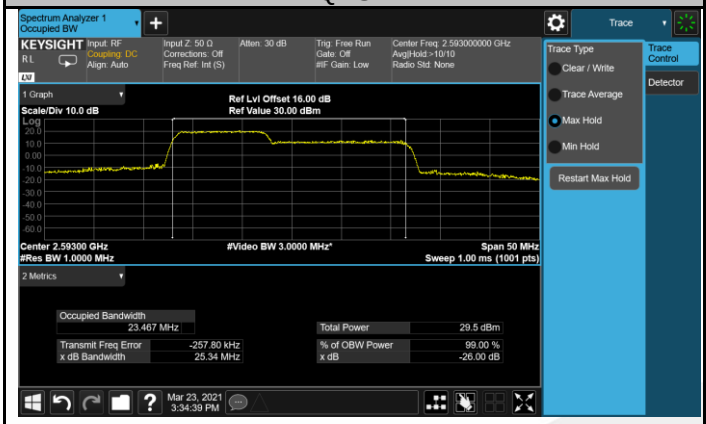
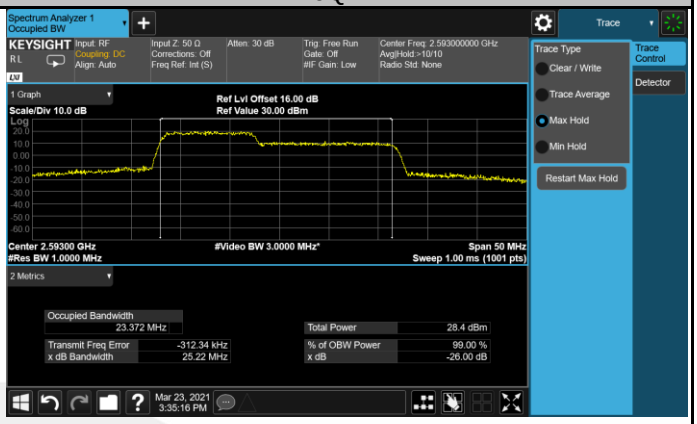
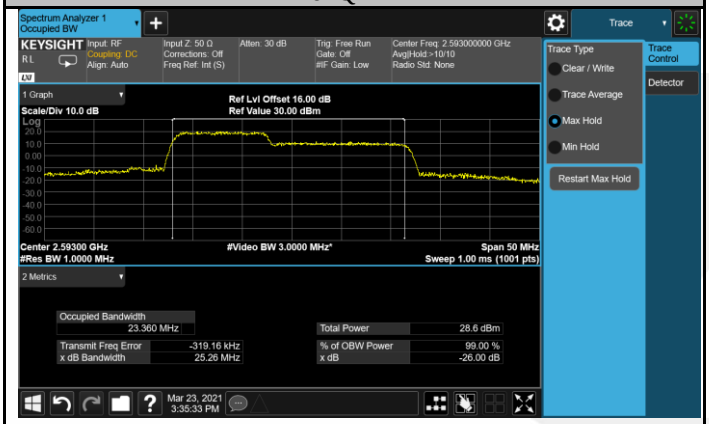
LTE Band 41_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 15+20MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

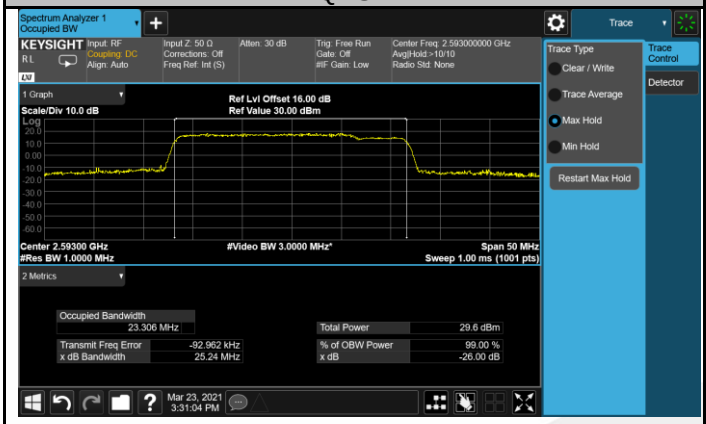
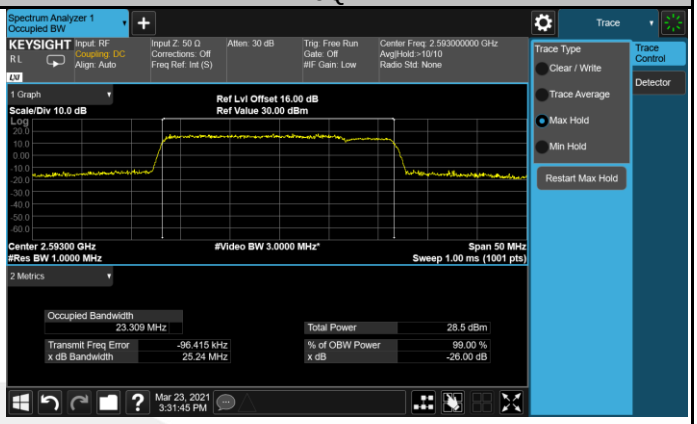
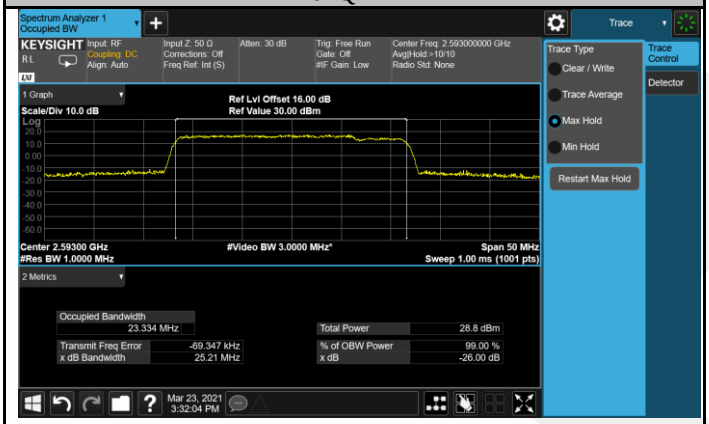
LTE Band 41_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 15+15MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

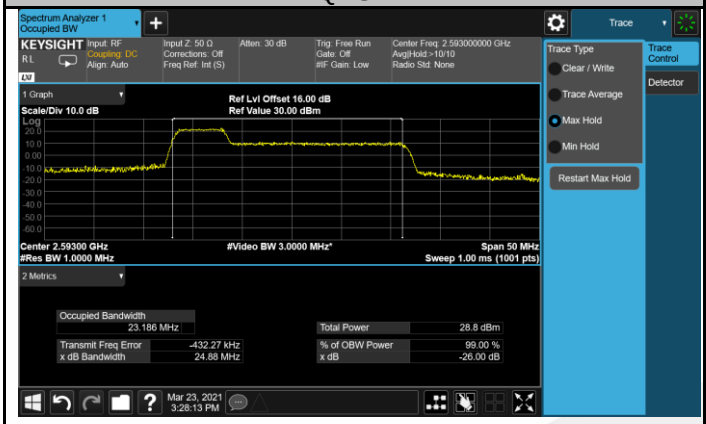
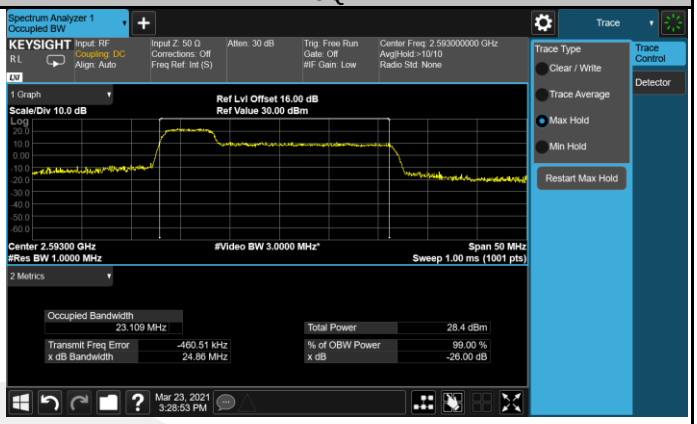
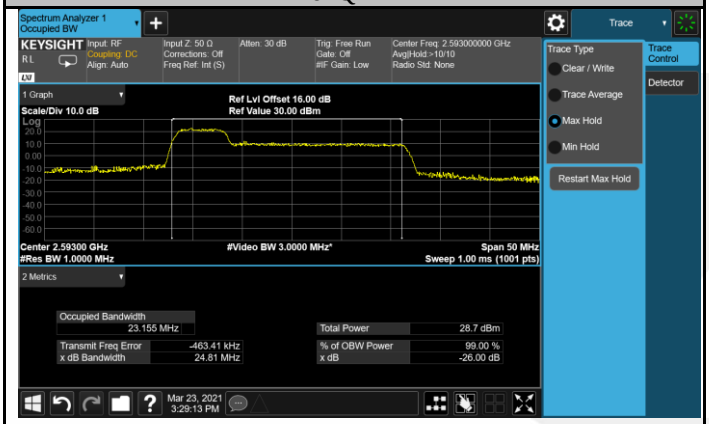
LTE Band 41_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 20+10MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

LTE Band 41_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 10+20MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

LTE Band 41_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 15+10MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

LTE Band 41_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 10+15MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

LTE Band 41_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 20+5MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

LTE Band 41_CA: Occupied Bandwidth and Emission Bandwidth	
Test BW: 5+20MHz - Middle Channel	
QPSK	16QAM
	
64QAM	
	

8.5 BAND EDGE EMISSION

8.5.1 Conformance Limit

LTE BAND5 (26)	FCC Part 22.917, Part 90.691
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	
LTE BAND2	FCC Part 24.238
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	
LTE BAND4(66)	FCC Part 27.53(h)
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	
LTE BAND7 (41)	FCC Part 27.53(m)
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	
LTE BAND12	FCC Part 27.53(g)
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	
LTE BAND13	FCC Part 27.53(c)
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	

8.5.2 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.5.3 Test Procedure

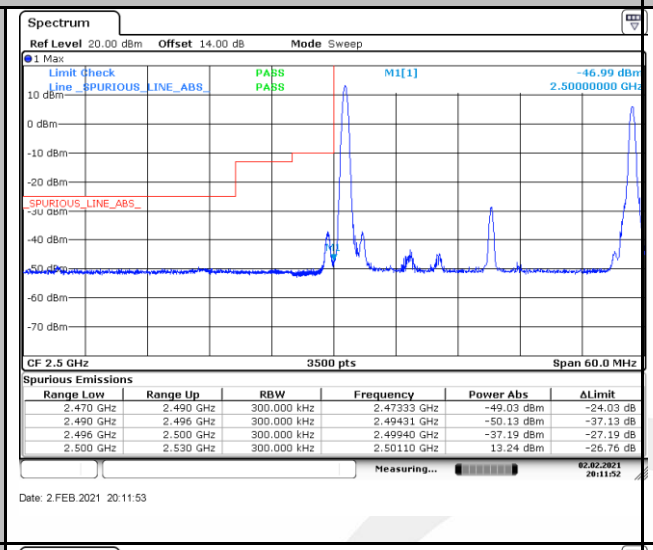
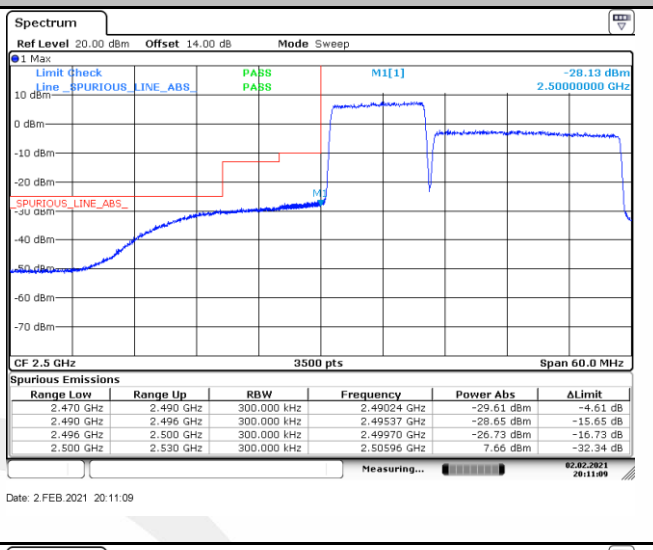
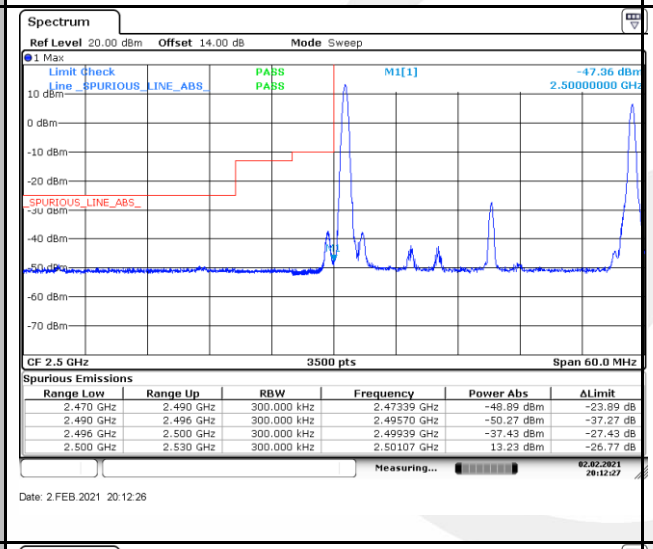
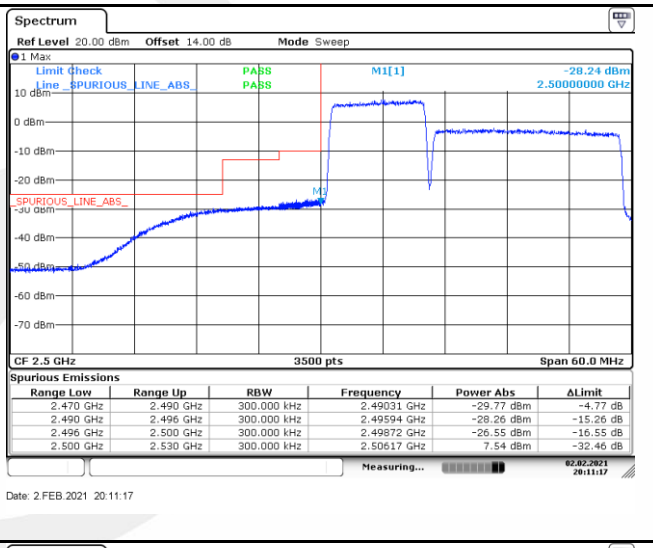
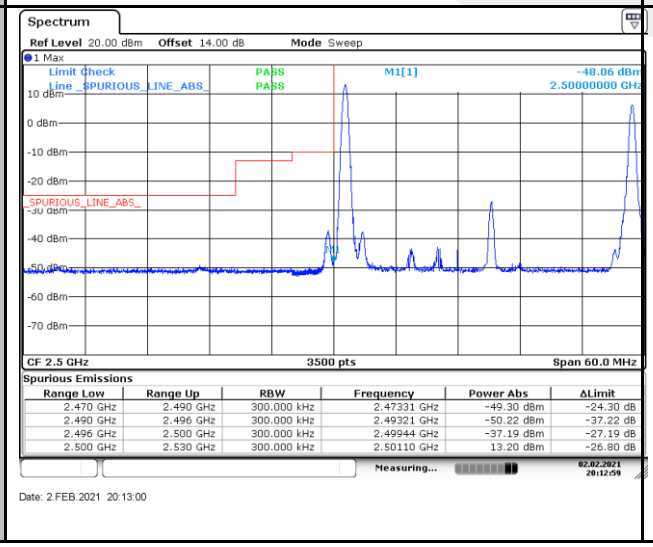
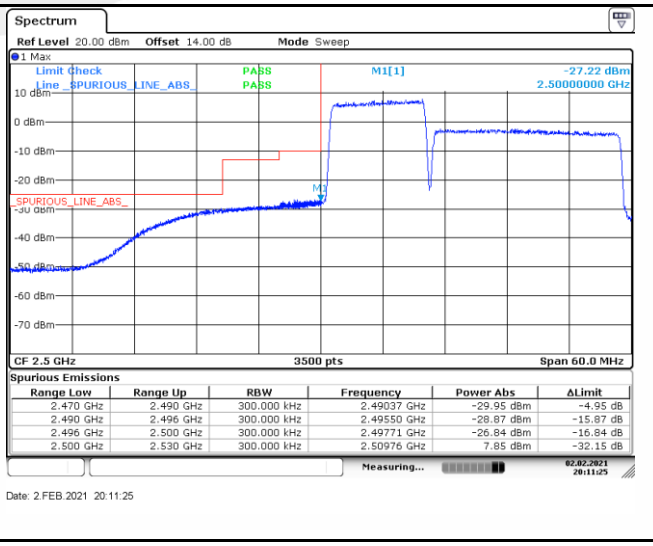
Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the Mid ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test,

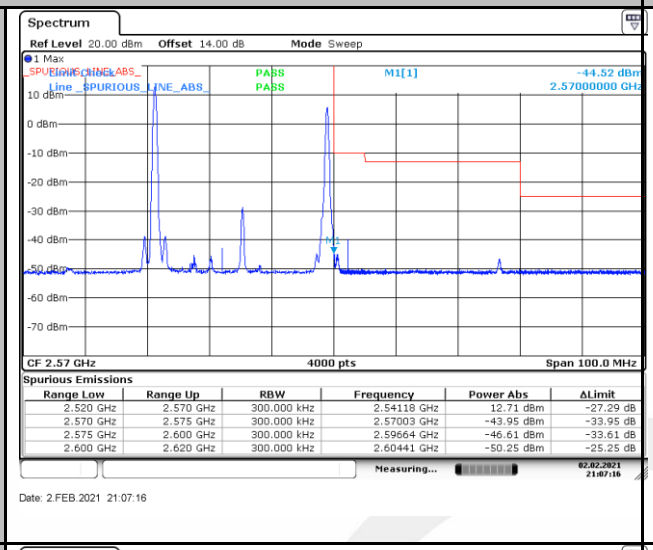
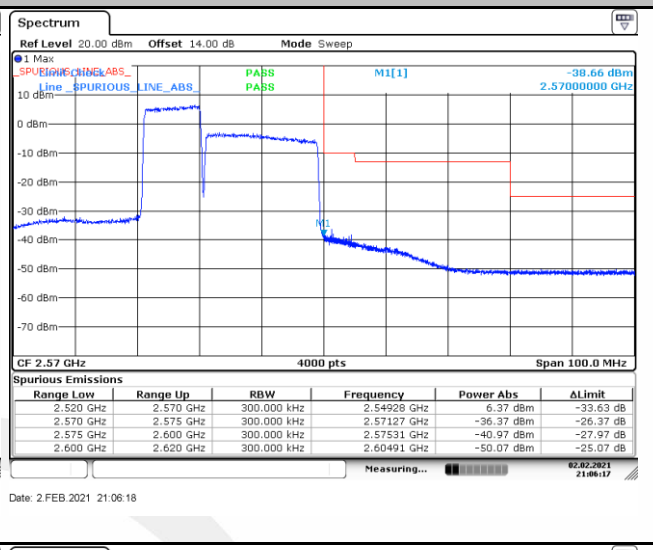
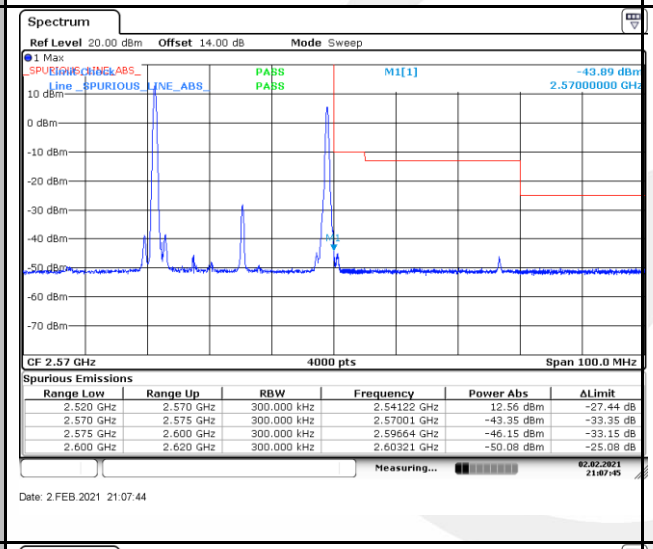
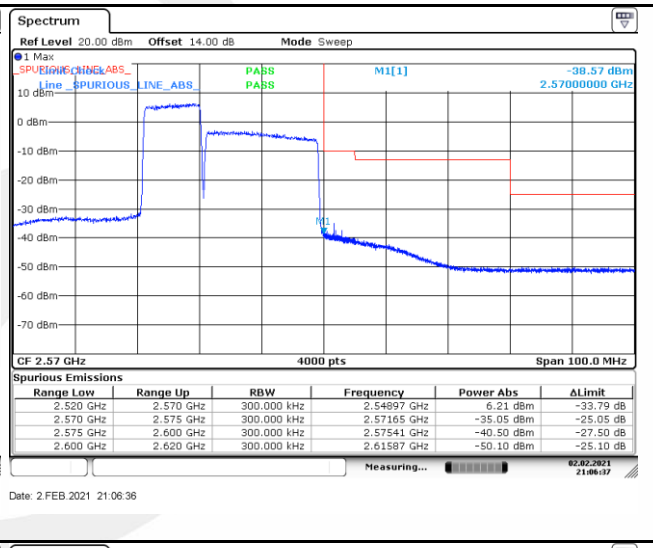
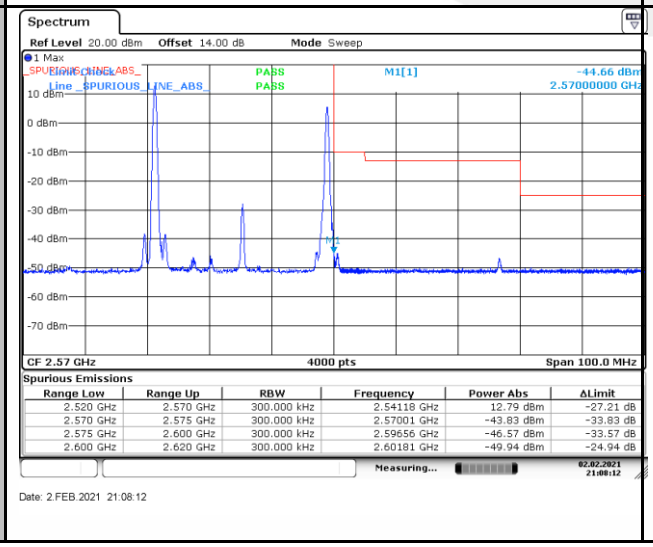
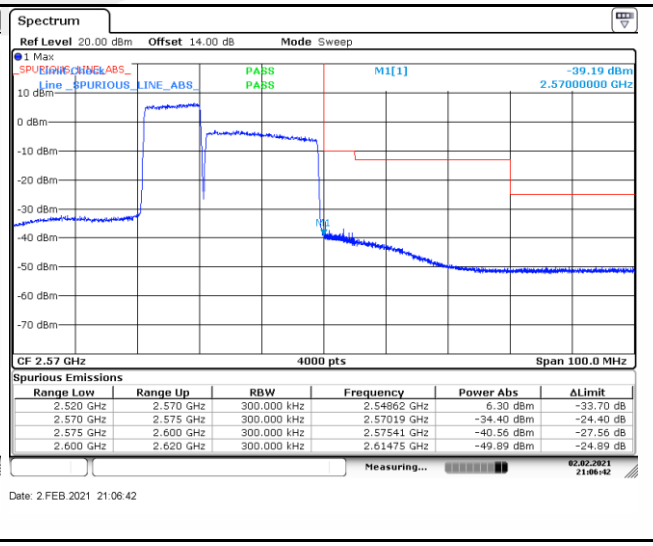
Spectrum Analyzer is set as below:
SET RBW ≥ 1% of Emission BW.
SET VBW about three times of RBW
Detector: RMS
Trace mode= max hold.

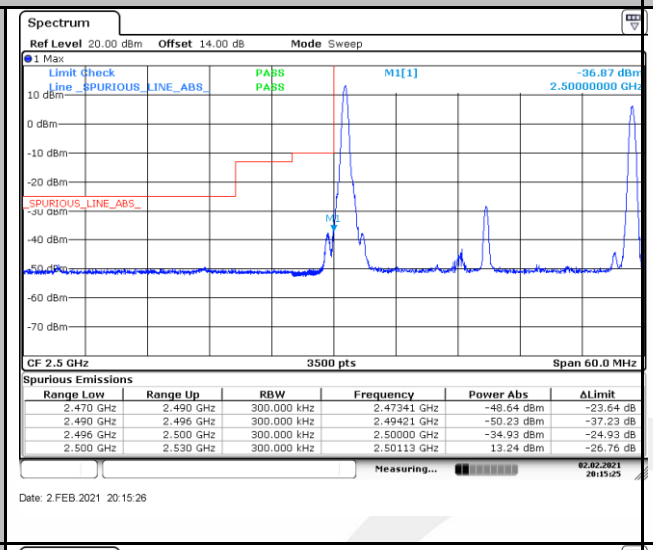
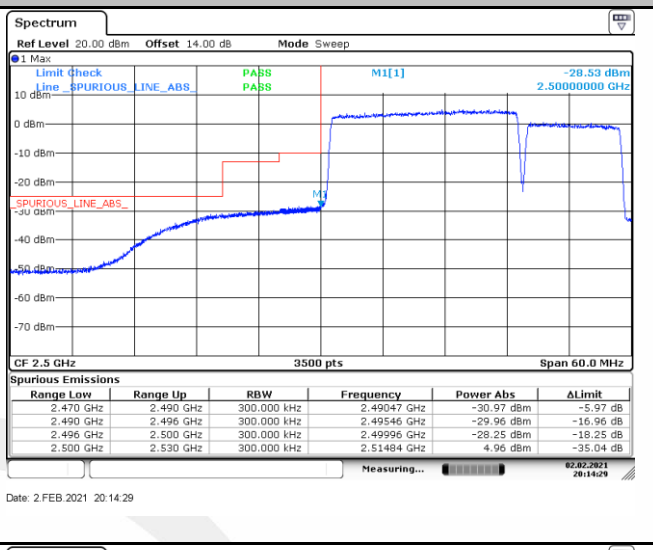
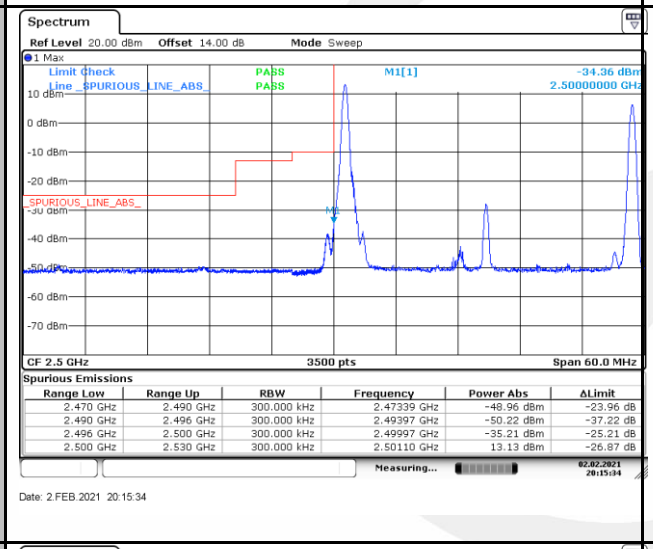
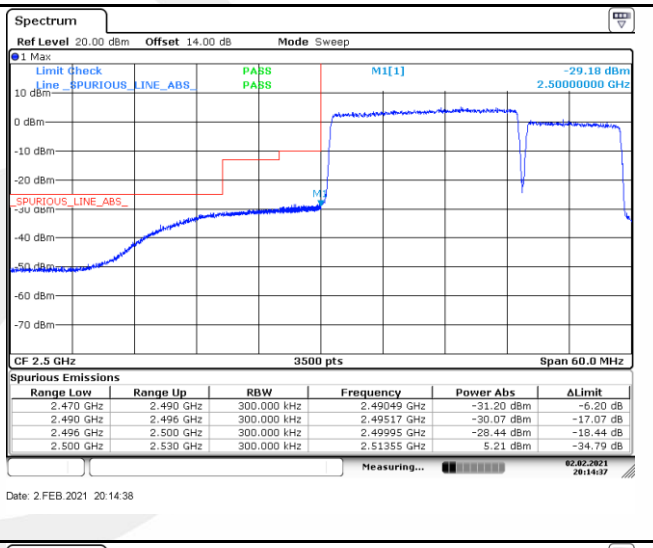
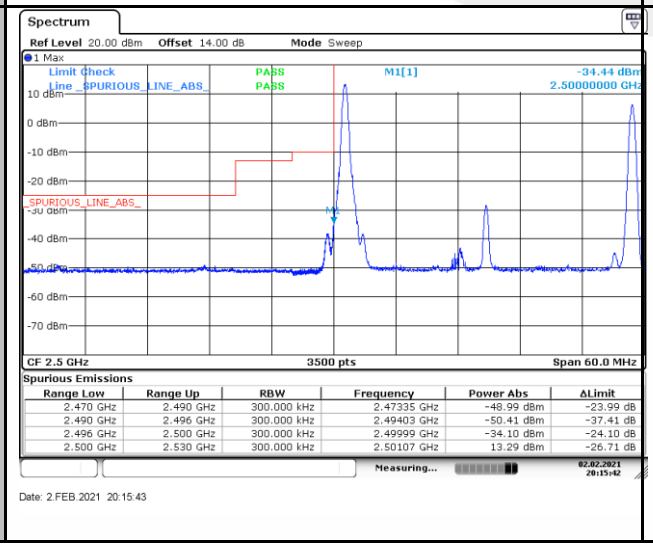
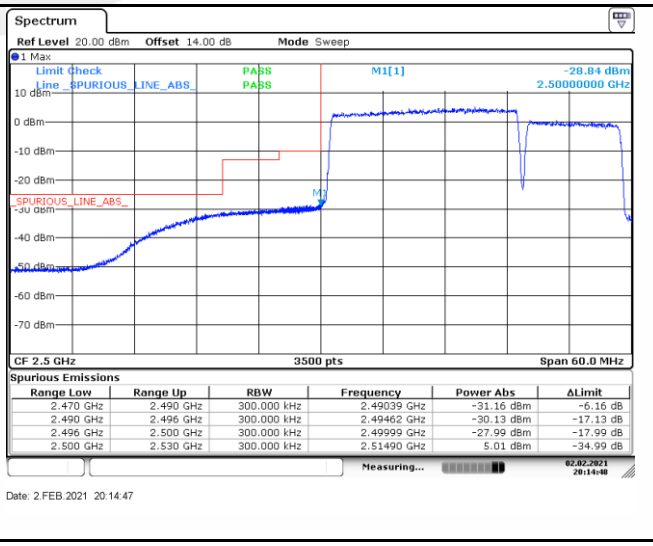
8.5.4 Test Results

Pass

Note:
The data of LTE Band 7_CA and LTE Band 41_CA are recorded as below. And the other data please see Appendix 4G BAND2, BAND4, BAND5, BAND7, BAND12, BAND13, BAND26, BAND66, BAND41.

LTE Band 7_CA: BAND EDGE EMISSION BW: 10+20MHz-Low Channel		
	RB1#0&RB1#99	Full RB
QPSK		
16QAM		
64QAM		

LTE Band 7_CA: BAND EDGE EMISSION BW: 10+20MHz-High Channel		
	RB1#0&RB1#99	Full RB
QPSK		
16QAM		
64QAM		

LTE Band 7_CA: BAND EDGE EMISSION BW: 20+10MHz-Low Channel		
	RB1#0&RB1#49	Full RB
QPSK		
16QAM		
64QAM