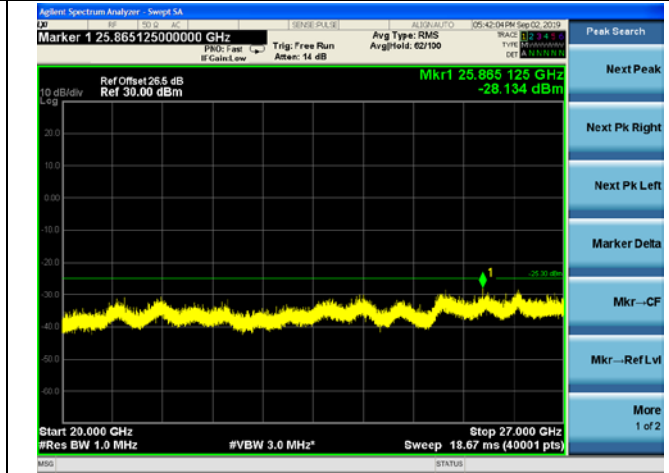
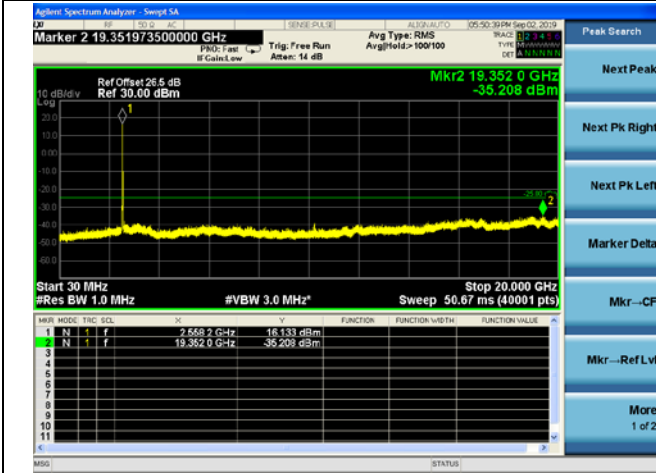


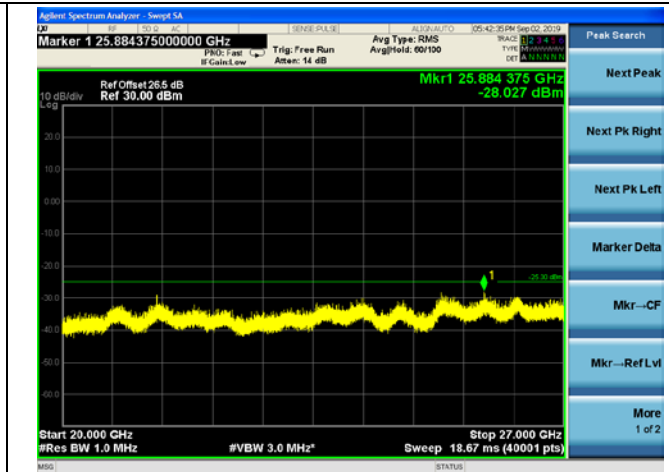
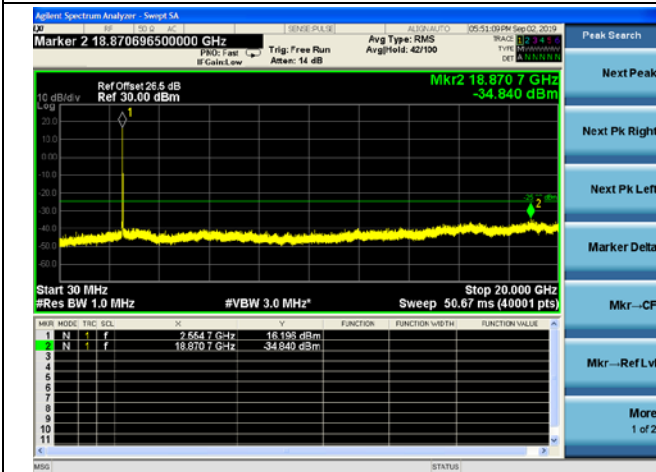


LTE Band 41 CSE

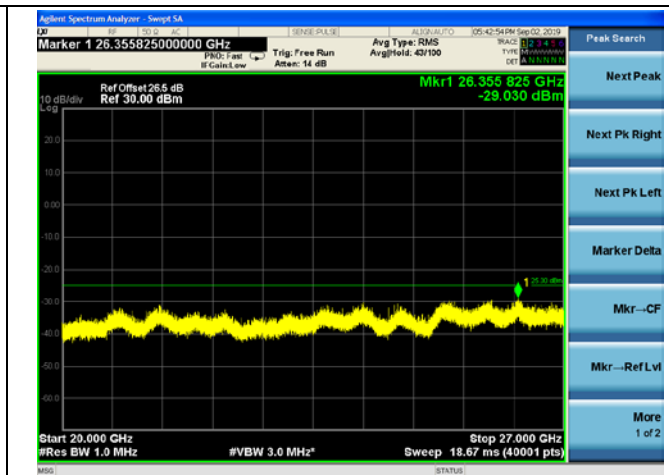
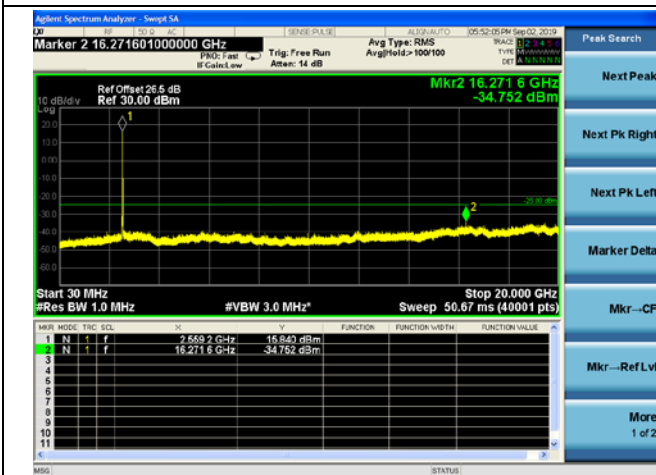
10MHz/QPSK /Low CH



10MHz/16QAM/Low CH



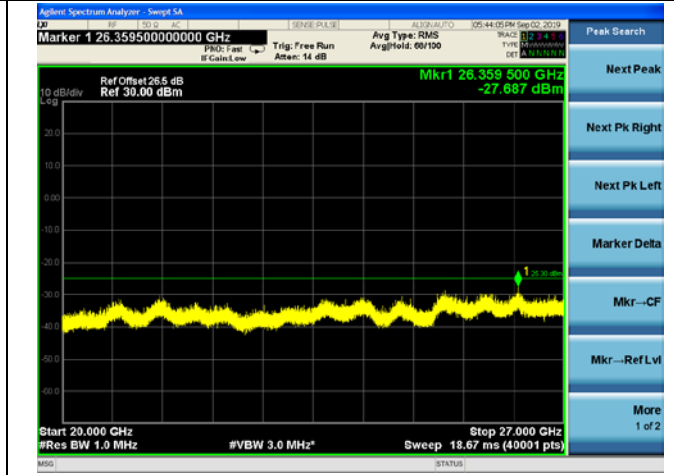
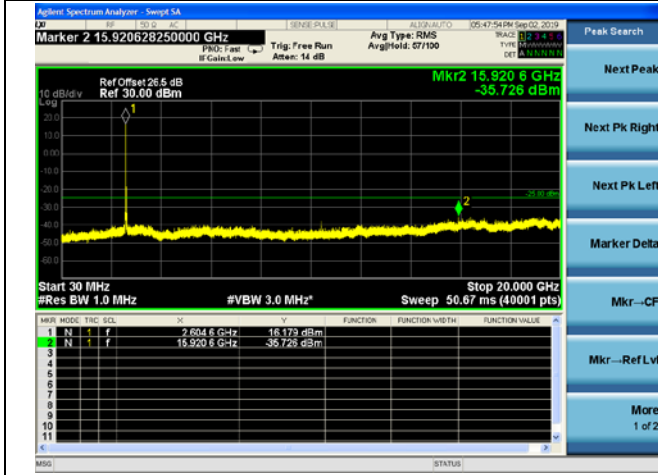
10MHz/64QAM/Low CH



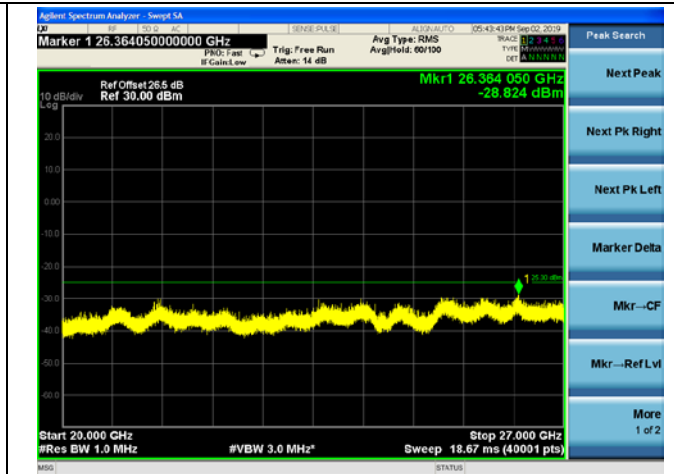
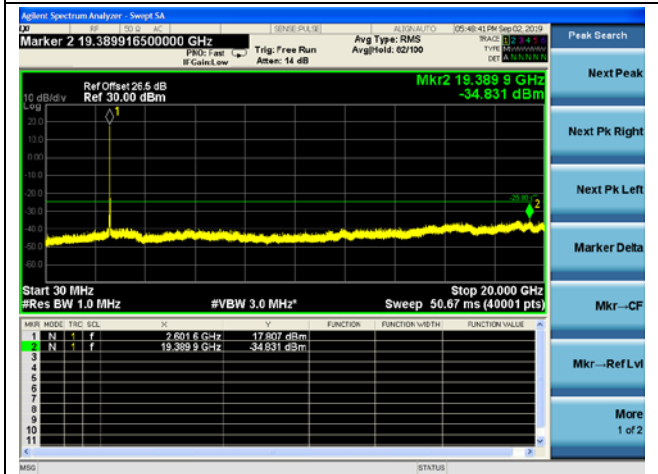


LTE Band 41 CSE

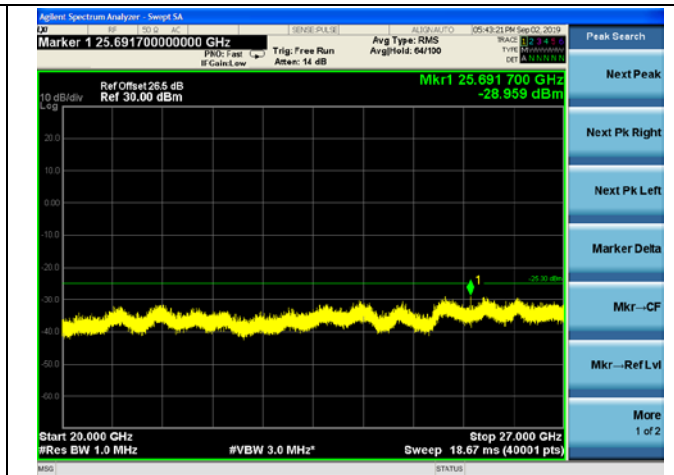
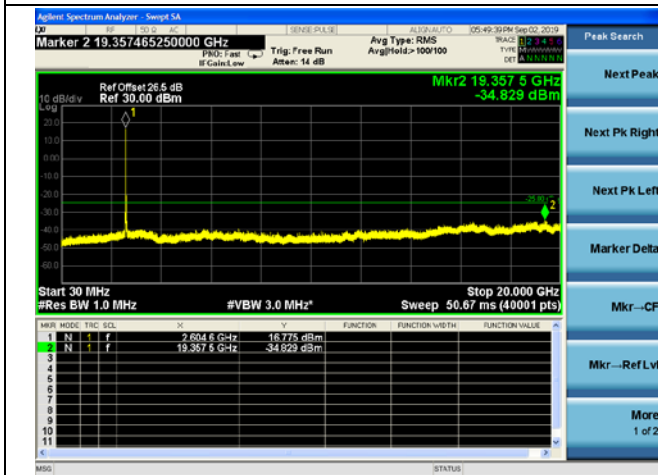
10MHz/QPSK /Mid CH



10MHz/16QAM/Mid CH



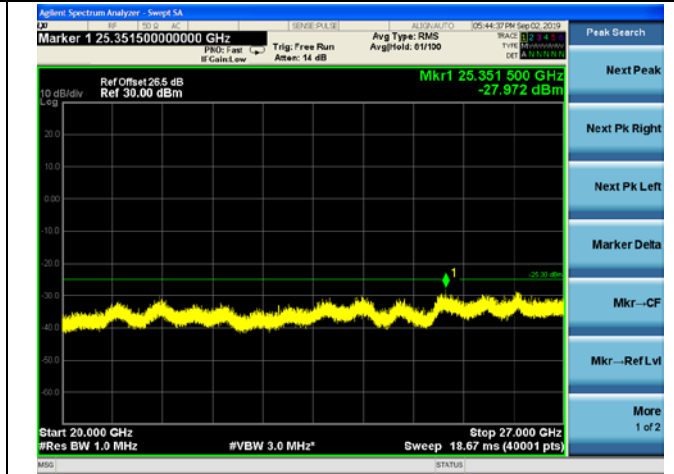
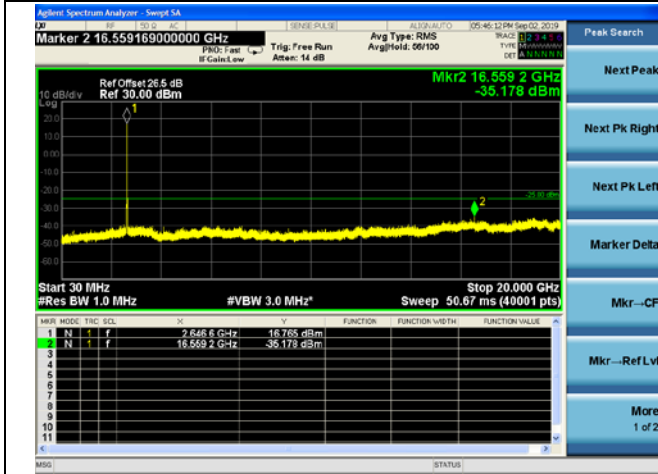
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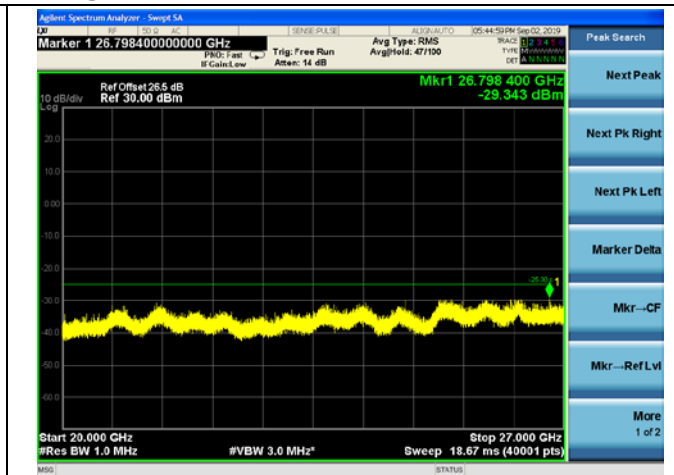
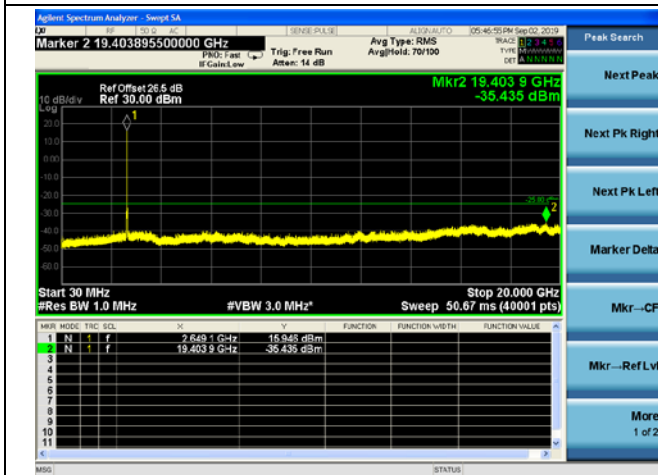


LTE Band 41 CSE

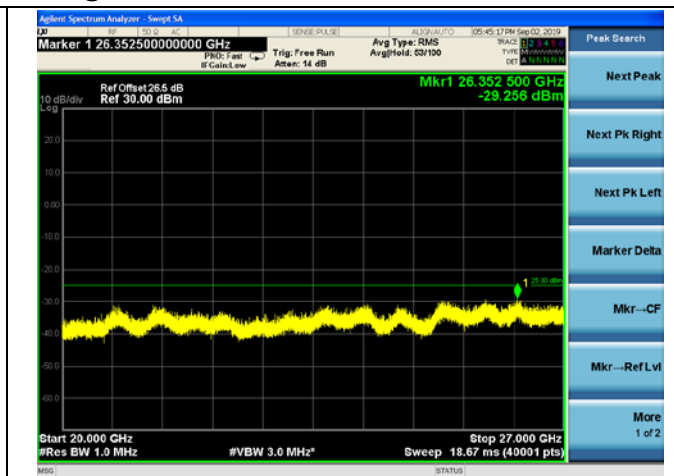
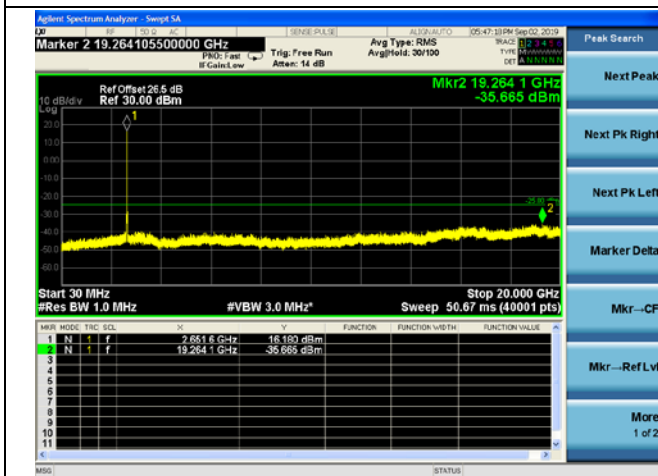
10MHz/QPSK /High CH



10MHz/16QAM/High CH



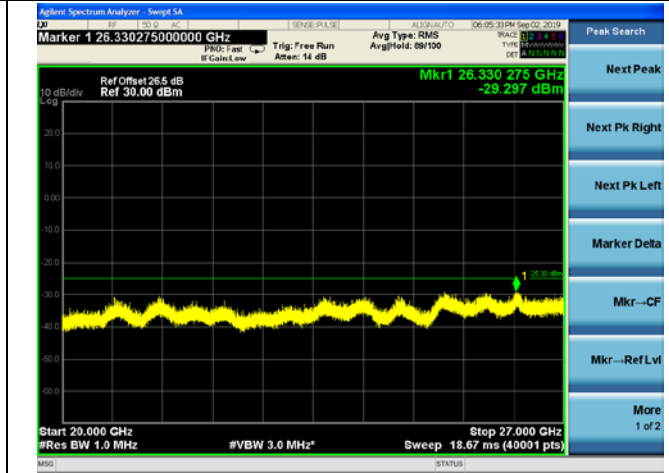
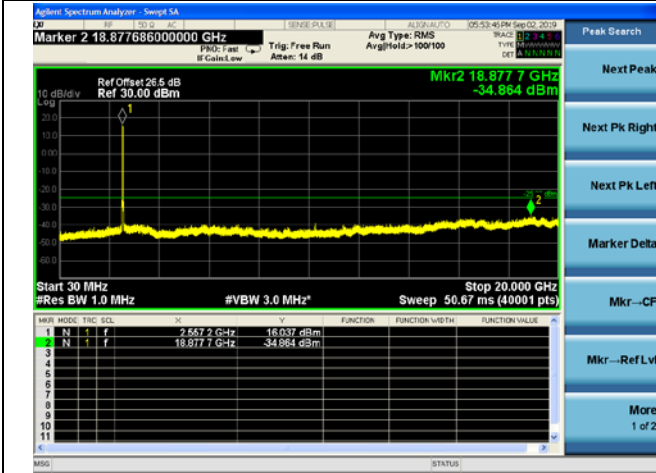
10MHz/64QAM/High CH



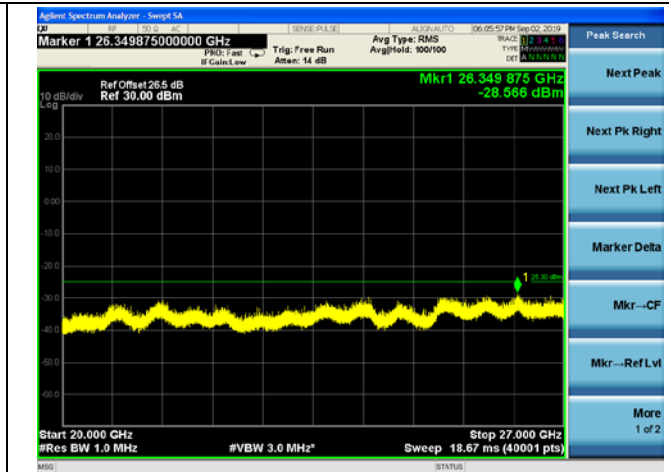
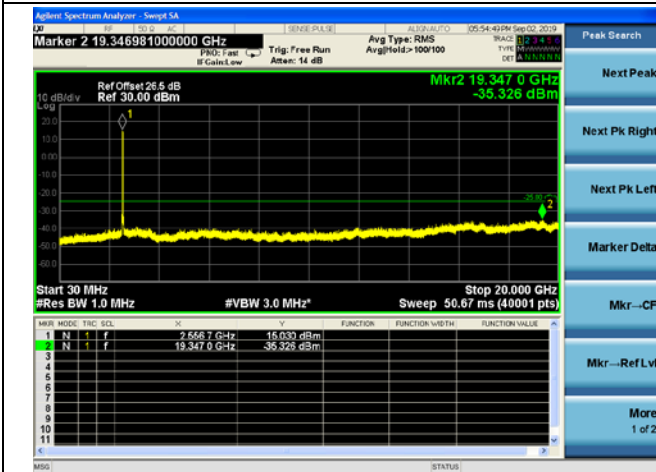


LTE Band 41 CSE

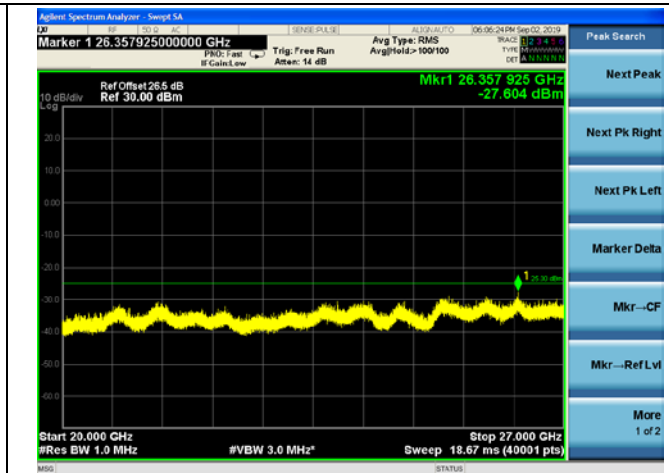
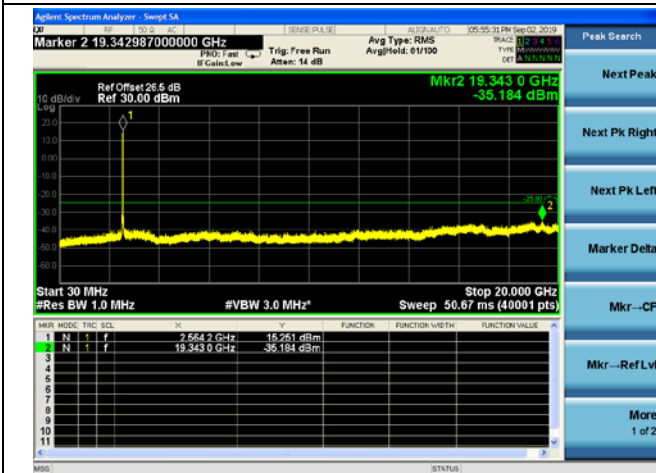
15MHz/QPSK /Low CH



15MHz/16QAM/Low CH



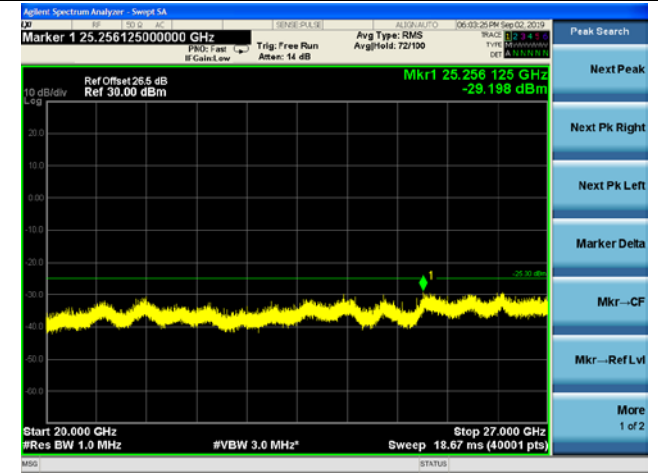
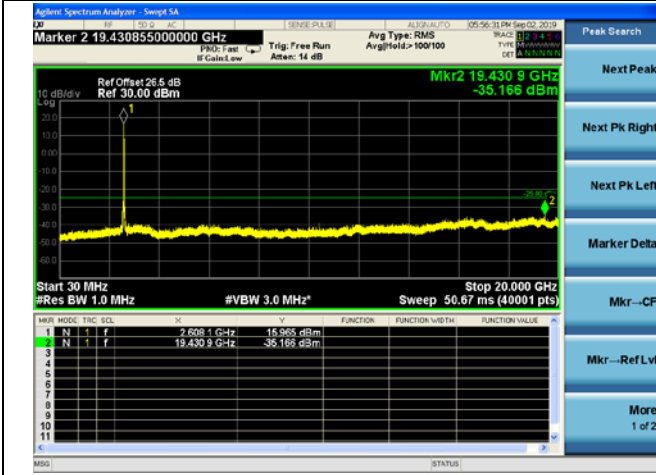
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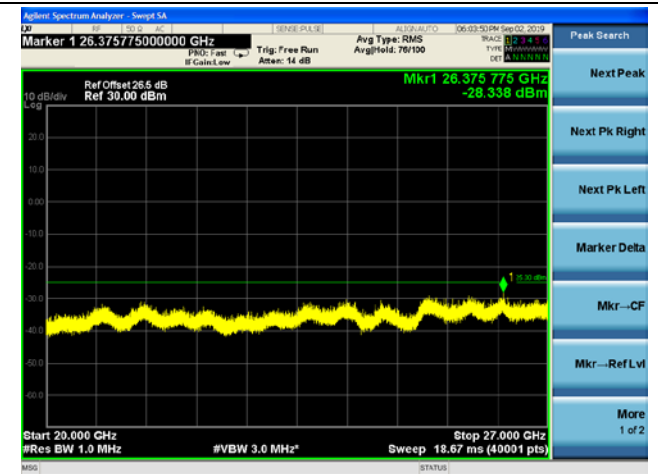
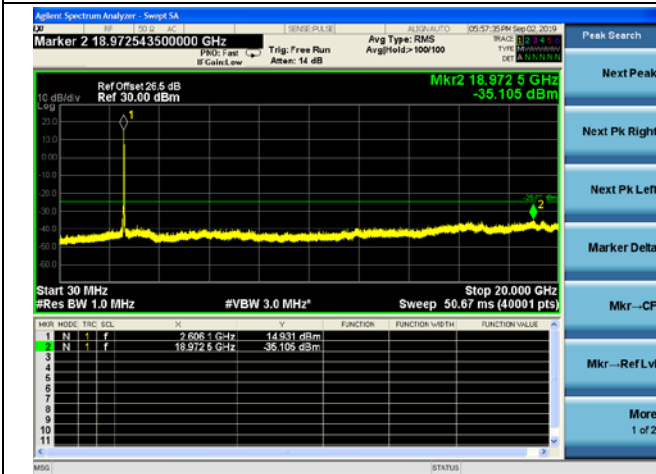


LTE Band 41 CSE

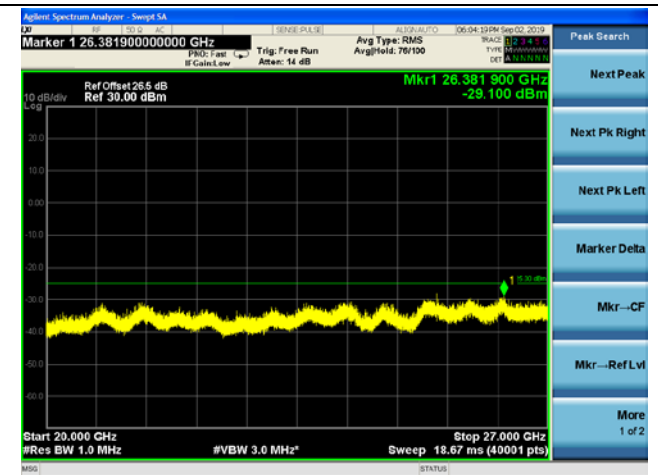
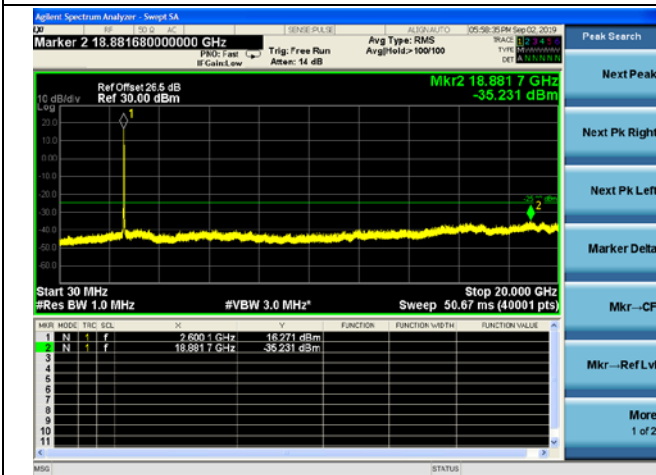
15MHz/QPSK /Mid CH



15MHz/16QAM/Mid CH



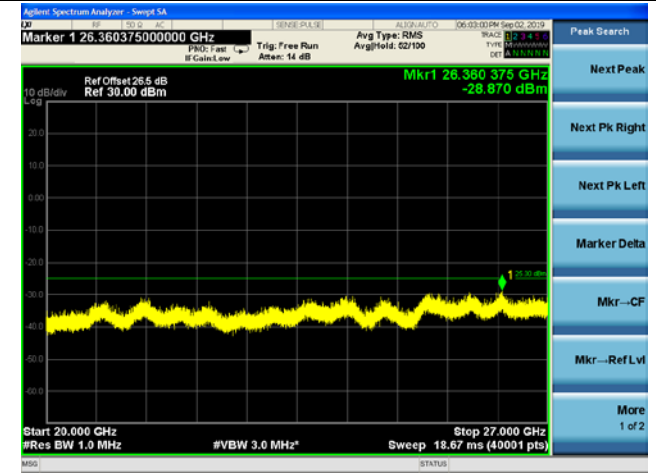
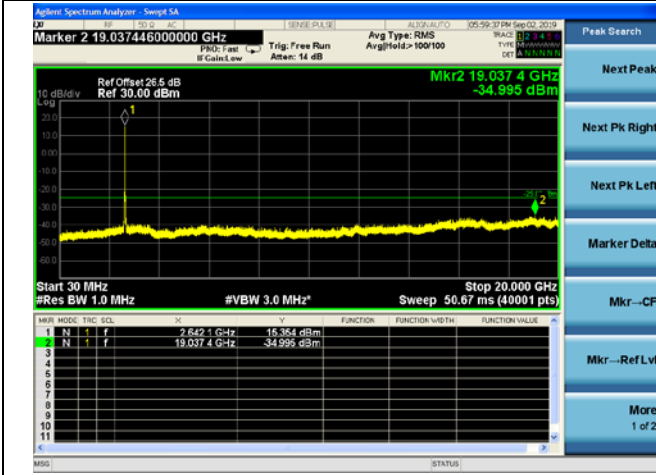
15MHz/64QAM/Mid CH



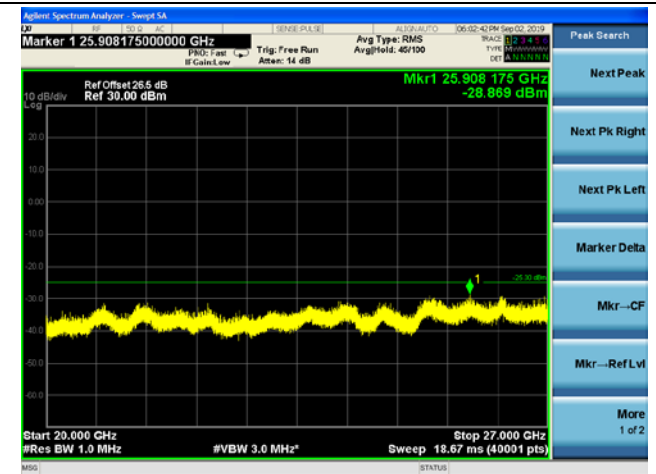
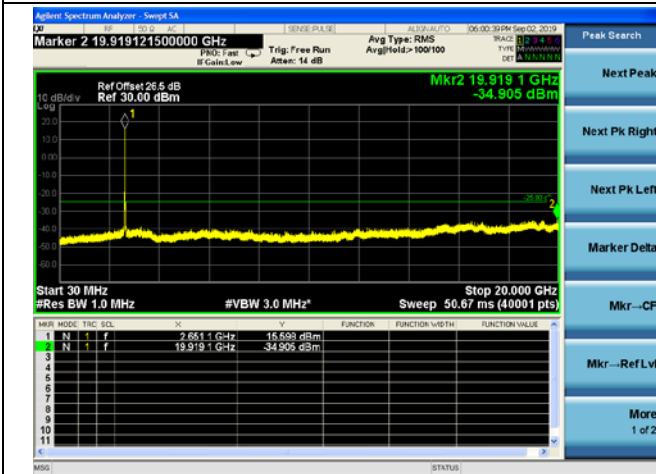


LTE Band 41 CSE

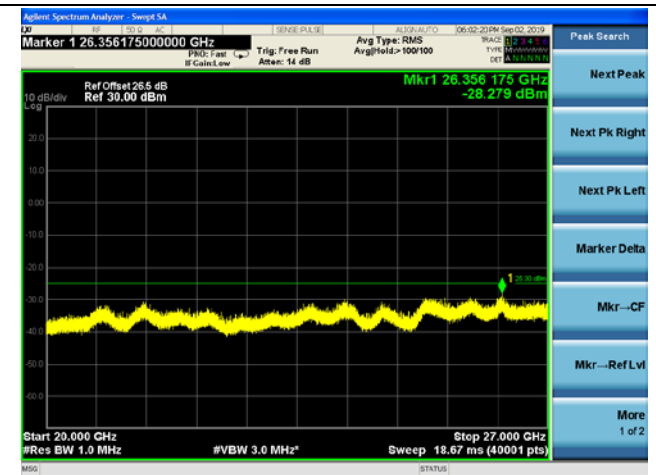
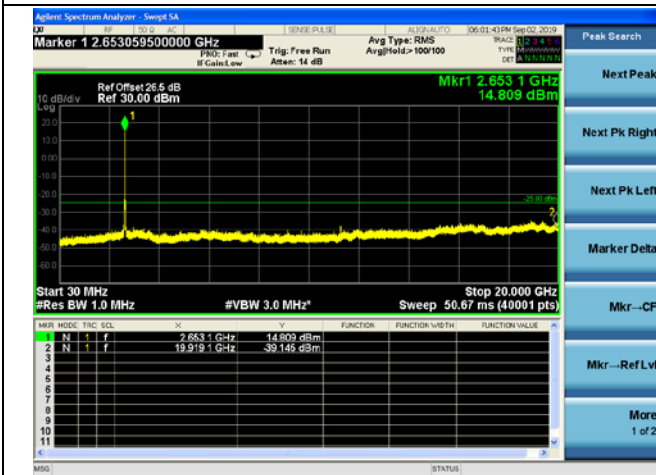
15MHz/QPSK /High CH



15MHz/16QAM/High CH



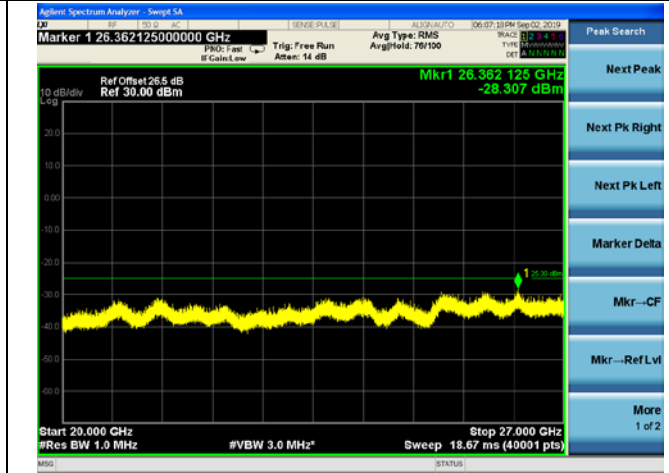
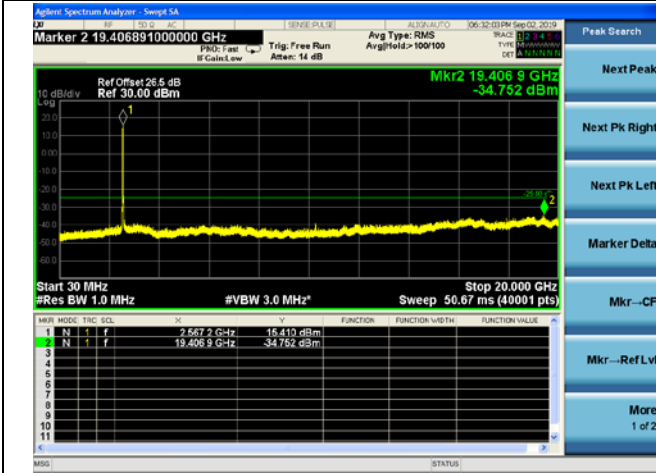
15MHz/64QAM/High CH



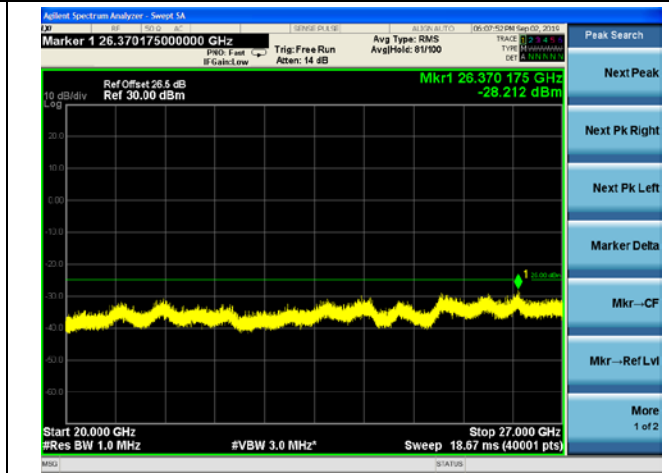
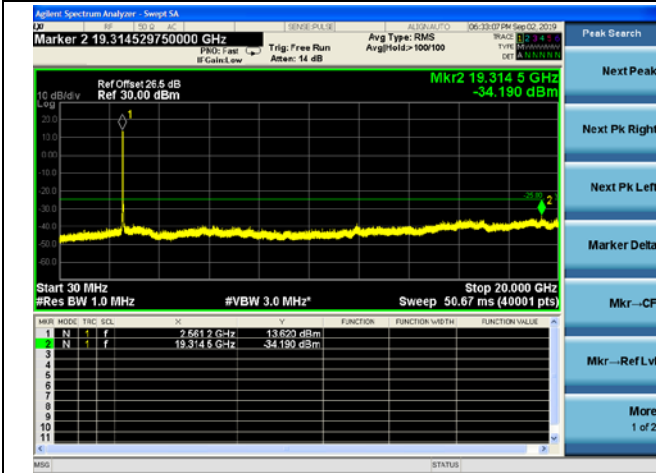


LTE Band 41 CSE

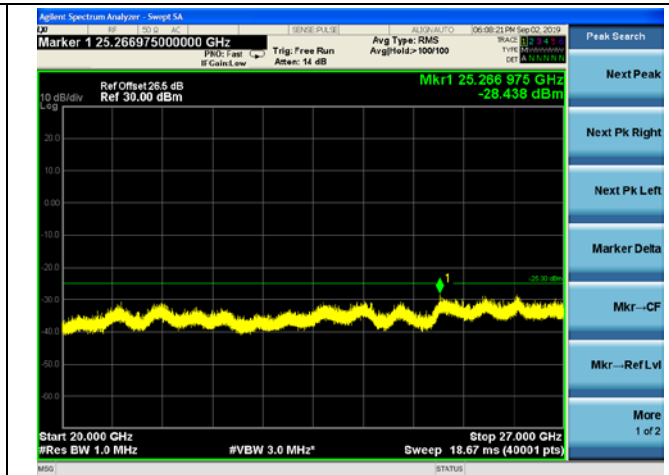
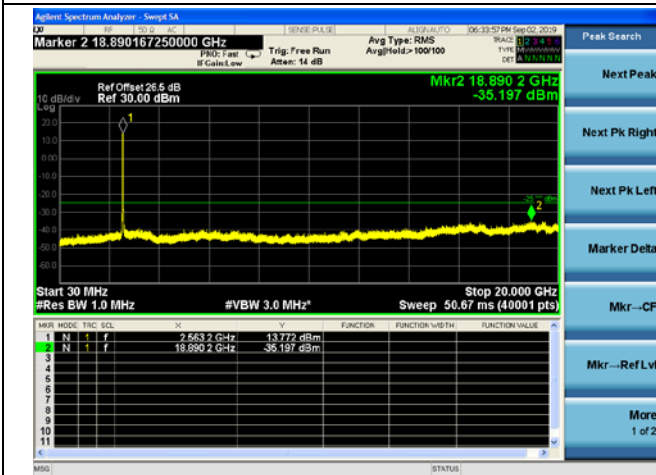
20MHz/QPSK /Low CH



20MHz/16QAM/Low CH



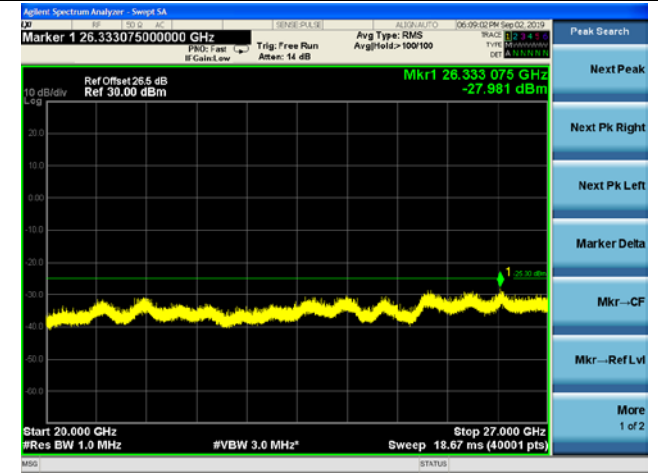
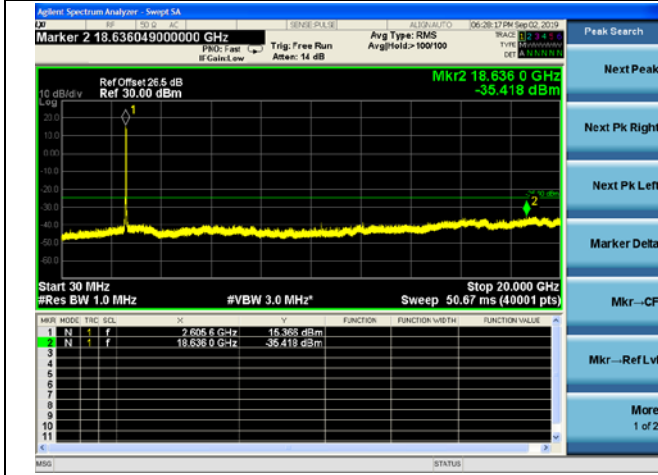
20MHz/64QAM/Low CH



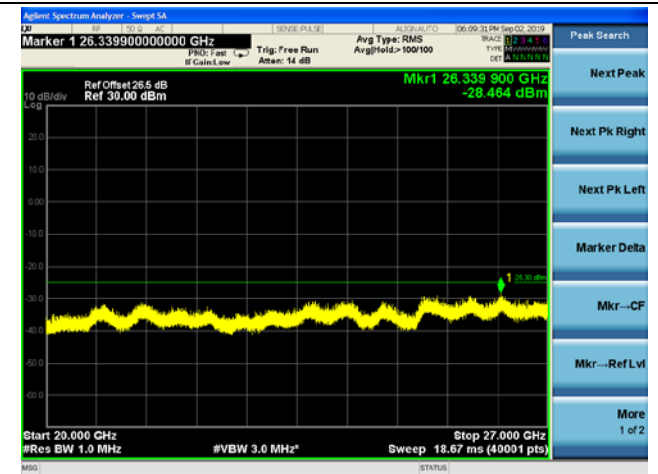
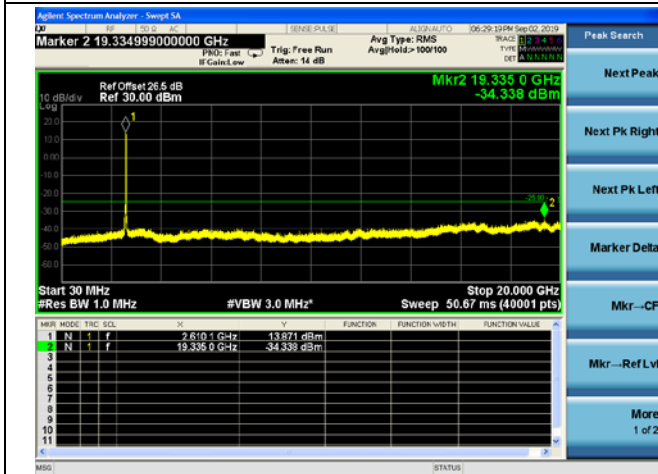


LTE Band 41 CSE

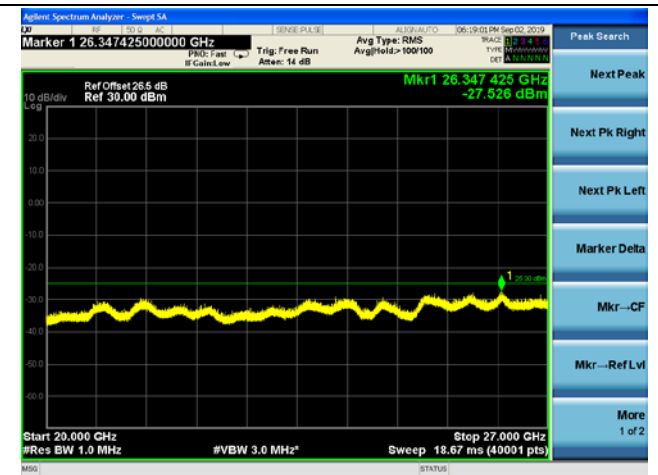
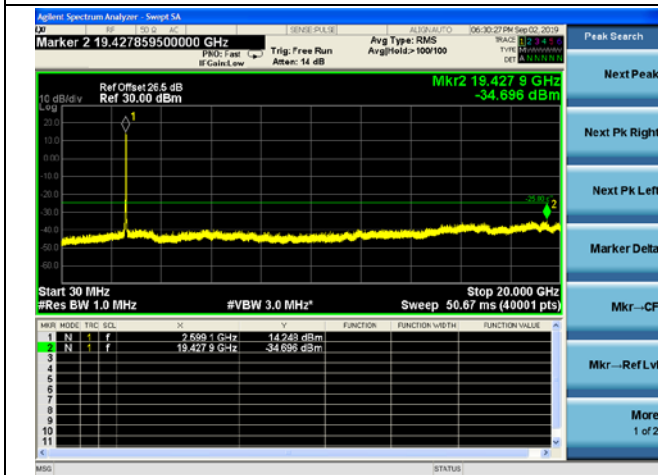
20MHz/QPSK /Mid CH



20MHz/16QAM/Mid CH



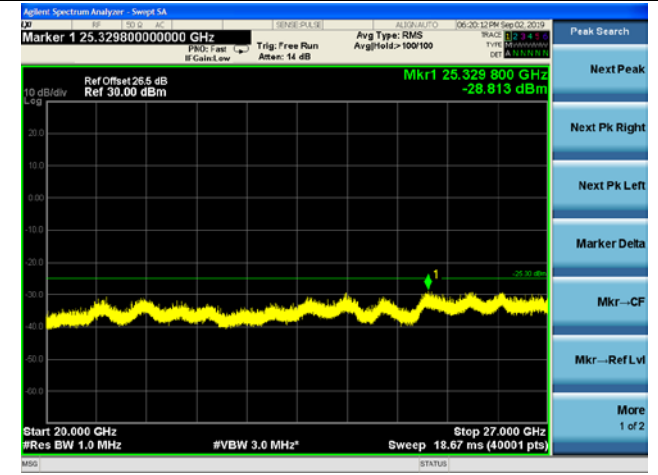
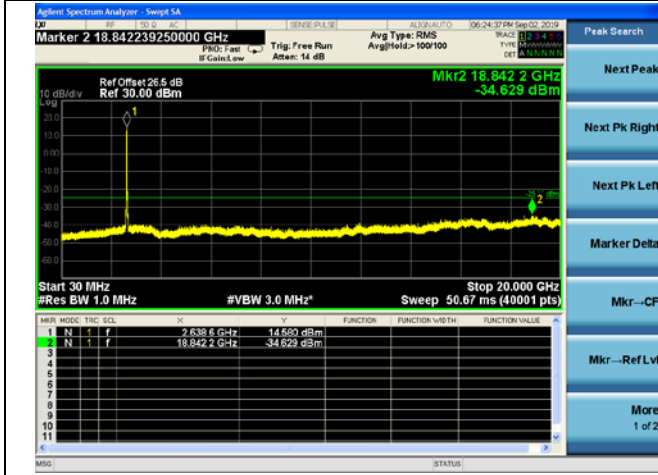
20MHz/64QAM/Mid CH



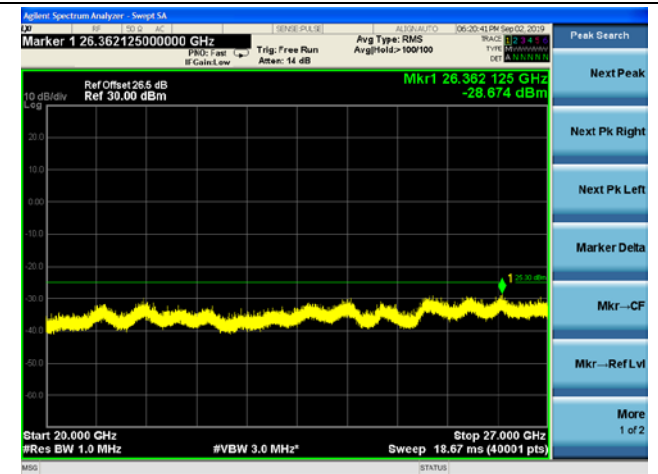
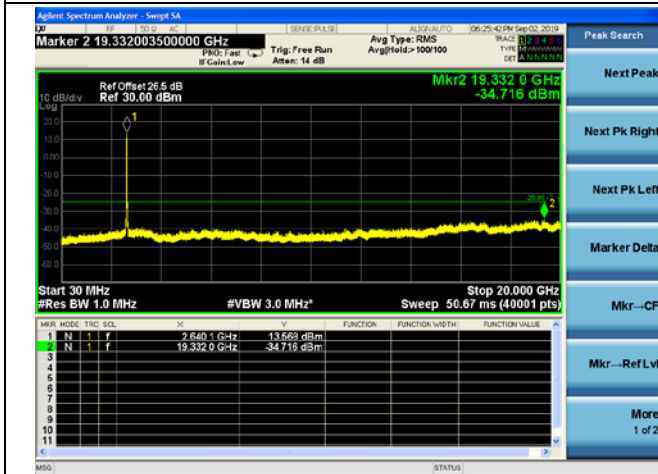


LTE Band 41 CSE

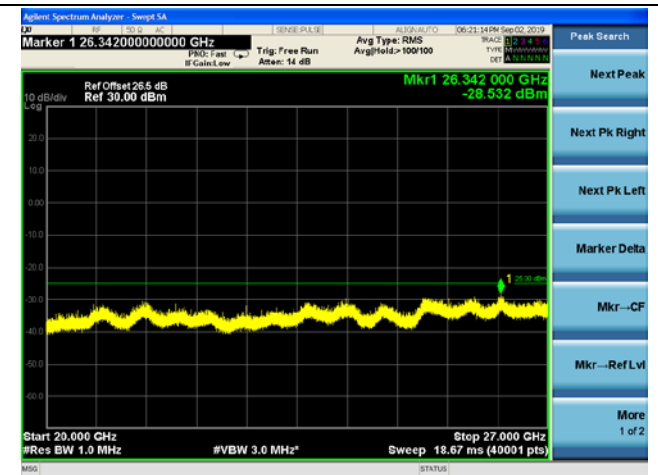
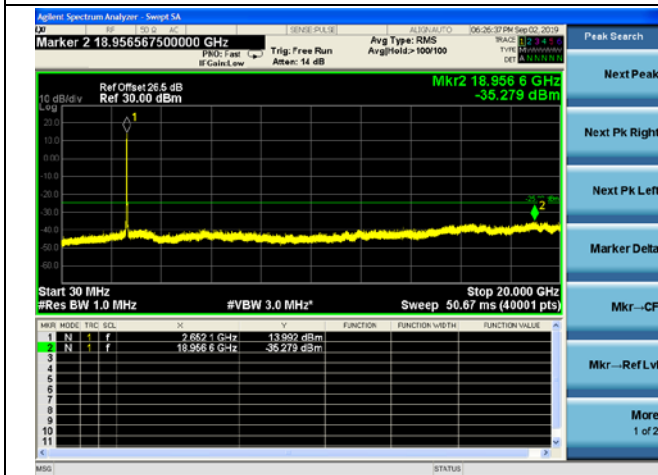
20MHz/QPSK /High CH



20MHz/16QAM/High CH



20MHz/64QAM/High CH





REPORT No.: SZ19070119W10



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(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(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 $43 + 10 \log_{10}(P)$ 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 50 Ohm; 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.

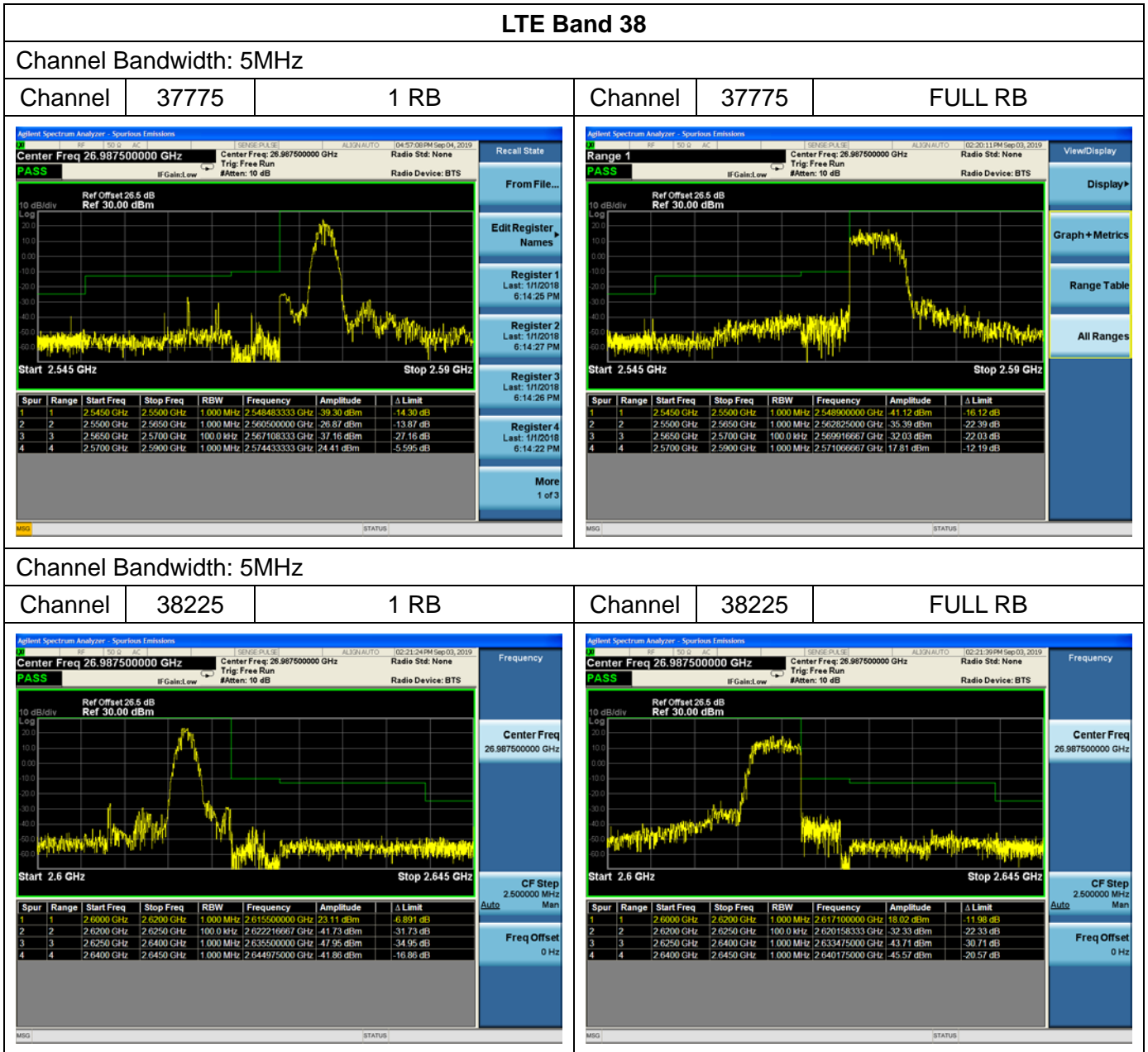
2.6.3. Test procedure

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



2.6.4. Test Result

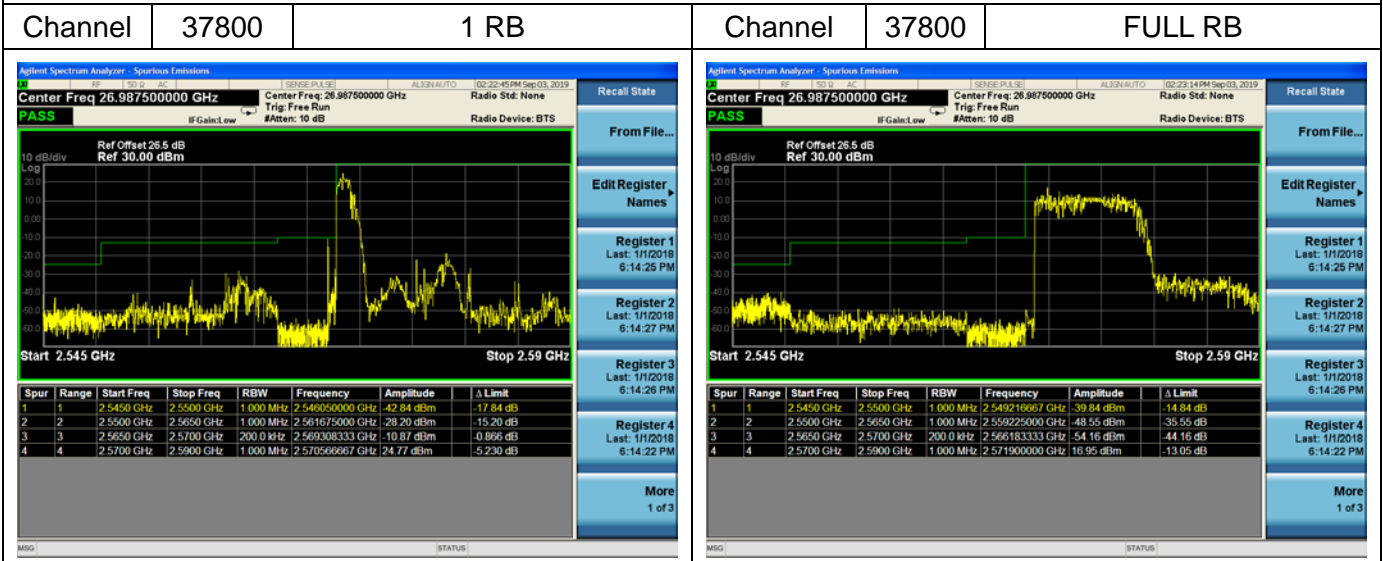
The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.



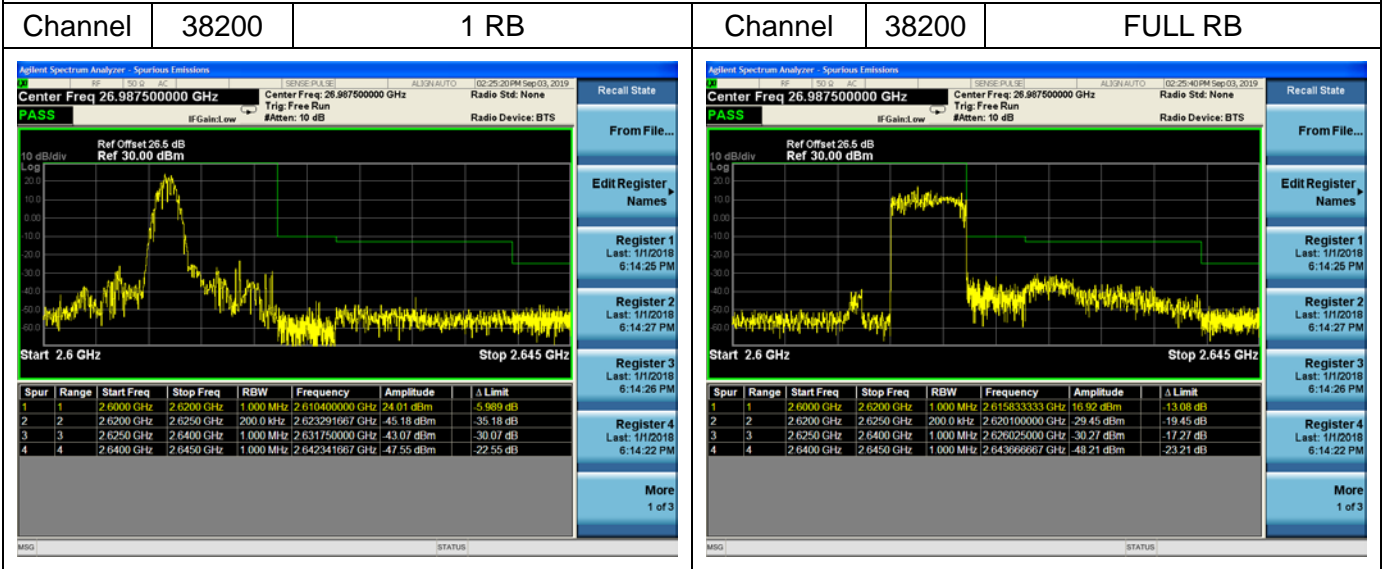


LTE Band 38

Channel Bandwidth: 10MHz



Channel Bandwidth: 10MHz





LTE Band 38

Channel Bandwidth: 15MHz

Channel	37825	1 RB		Channel	37825	FULL RB
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Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5450 GHz	2.5500 GHz	1.000 MHz	2.548408333 GHz	44.01 dBm	-19.01 dB
2	2	2.5500 GHz	2.5650 GHz	1.000 MHz	2.563800000 GHz	-36.36 dBm	-23.36 dB
3	3	2.5650 GHz	2.5700 GHz	300.0 kHz	2.566325000 GHz	-30.35 dBm	-20.35 dB
4	4	2.5700 GHz	2.5900 GHz	1.000 MHz	2.570600000 GHz	23.93 dBm	-6.066 dB

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5450 GHz	2.5500 GHz	1.000 MHz	2.548825000 GHz	38.79 dBm	-13.79 dB
2	2	2.5500 GHz	2.5650 GHz	1.000 MHz	2.557800000 GHz	-34.82 dBm	-21.82 dB
3	3	2.5650 GHz	2.5700 GHz	300.0 kHz	2.569975000 GHz	-33.26 dBm	-23.26 dB
4	4	2.5700 GHz	2.5900 GHz	1.000 MHz	2.578066667 GHz	13.73 dBm	-16.27 dB

Channel Bandwidth: 15MHz

Channel	38175	1 RB		Channel	38175	FULL RB
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Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6000 GHz	2.6200 GHz	1.000 MHz	2.608333333 GHz	24.12 dBm	-5.883 dB
2	2	2.6200 GHz	2.6250 GHz	300.0 kHz	2.620916667 GHz	38.51 dBm	-28.51 dB
3	3	2.6250 GHz	2.6400 GHz	1.000 MHz	2.631825000 GHz	46.86 dBm	-33.86 dB
4	4	2.6400 GHz	2.6450 GHz	1.000 MHz	2.644758333 GHz	47.46 dBm	-22.46 dB

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6000 GHz	2.6200 GHz	1.000 MHz	2.618266667 GHz	15.80 dBm	-14.20 dB
2	2	2.6200 GHz	2.6250 GHz	300.0 kHz	2.621583333 GHz	29.16 dBm	-19.16 dB
3	3	2.6250 GHz	2.6400 GHz	1.000 MHz	2.637400000 GHz	48.63 dBm	-35.63 dB
4	4	2.6400 GHz	2.6450 GHz	1.000 MHz	2.644866667 GHz	47.82 dBm	-22.82 dB



LTE Band 38

Channel Bandwidth: 20MHz

Channel	37850	1 RB	Channel	37850	FULL RB																																																																																
<table border="1"> <thead> <tr> <th>Spur</th> <th>Range</th> <th>Start Freq</th> <th>Stop Freq</th> <th>RBW</th> <th>Frequency</th> <th>Amplitude</th> <th>Δ Limit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>2.5450 GHz</td> <td>2.5500 GHz</td> <td>1.000 MHz</td> <td>2.549066667 GHz</td> <td>49.47 dBm</td> <td>-24.47 dB</td> </tr> <tr> <td>2</td> <td>2</td> <td>2.5500 GHz</td> <td>2.5650 GHz</td> <td>1.000 MHz</td> <td>2.557675000 GHz</td> <td>49.44 dBm</td> <td>-36.44 dB</td> </tr> <tr> <td>3</td> <td>3</td> <td>2.5650 GHz</td> <td>2.5700 GHz</td> <td>430.0 kHz</td> <td>2.569916667 GHz</td> <td>-26.18 dBm</td> <td>-16.18 dB</td> </tr> <tr> <td>4</td> <td>4</td> <td>2.5700 GHz</td> <td>2.5900 GHz</td> <td>1.000 MHz</td> <td>2.571166667 GHz</td> <td>24.97 dBm</td> <td>-5.027 dB</td> </tr> </tbody> </table>			Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	1	2.5450 GHz	2.5500 GHz	1.000 MHz	2.549066667 GHz	49.47 dBm	-24.47 dB	2	2	2.5500 GHz	2.5650 GHz	1.000 MHz	2.557675000 GHz	49.44 dBm	-36.44 dB	3	3	2.5650 GHz	2.5700 GHz	430.0 kHz	2.569916667 GHz	-26.18 dBm	-16.18 dB	4	4	2.5700 GHz	2.5900 GHz	1.000 MHz	2.571166667 GHz	24.97 dBm	-5.027 dB	<table border="1"> <thead> <tr> <th>Spur</th> <th>Range</th> <th>Start Freq</th> <th>Stop Freq</th> <th>RBW</th> <th>Frequency</th> <th>Amplitude</th> <th>Δ Limit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>2.5450 GHz</td> <td>2.5500 GHz</td> <td>1.000 MHz</td> <td>2.549333333 GHz</td> <td>49.55 dBm</td> <td>-24.55 dB</td> </tr> <tr> <td>2</td> <td>2</td> <td>2.5500 GHz</td> <td>2.5650 GHz</td> <td>1.000 MHz</td> <td>2.552200000 GHz</td> <td>40.78 dBm</td> <td>-27.78 dB</td> </tr> <tr> <td>3</td> <td>3</td> <td>2.5650 GHz</td> <td>2.5700 GHz</td> <td>430.0 kHz</td> <td>2.567791667 GHz</td> <td>51.26 dBm</td> <td>-41.26 dB</td> </tr> <tr> <td>4</td> <td>4</td> <td>2.5700 GHz</td> <td>2.5900 GHz</td> <td>1.000 MHz</td> <td>2.579066667 GHz</td> <td>12.57 dBm</td> <td>-17.43 dB</td> </tr> </tbody> </table>			Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	1	2.5450 GHz	2.5500 GHz	1.000 MHz	2.549333333 GHz	49.55 dBm	-24.55 dB	2	2	2.5500 GHz	2.5650 GHz	1.000 MHz	2.552200000 GHz	40.78 dBm	-27.78 dB	3	3	2.5650 GHz	2.5700 GHz	430.0 kHz	2.567791667 GHz	51.26 dBm	-41.26 dB	4	4	2.5700 GHz	2.5900 GHz	1.000 MHz	2.579066667 GHz	12.57 dBm	-17.43 dB
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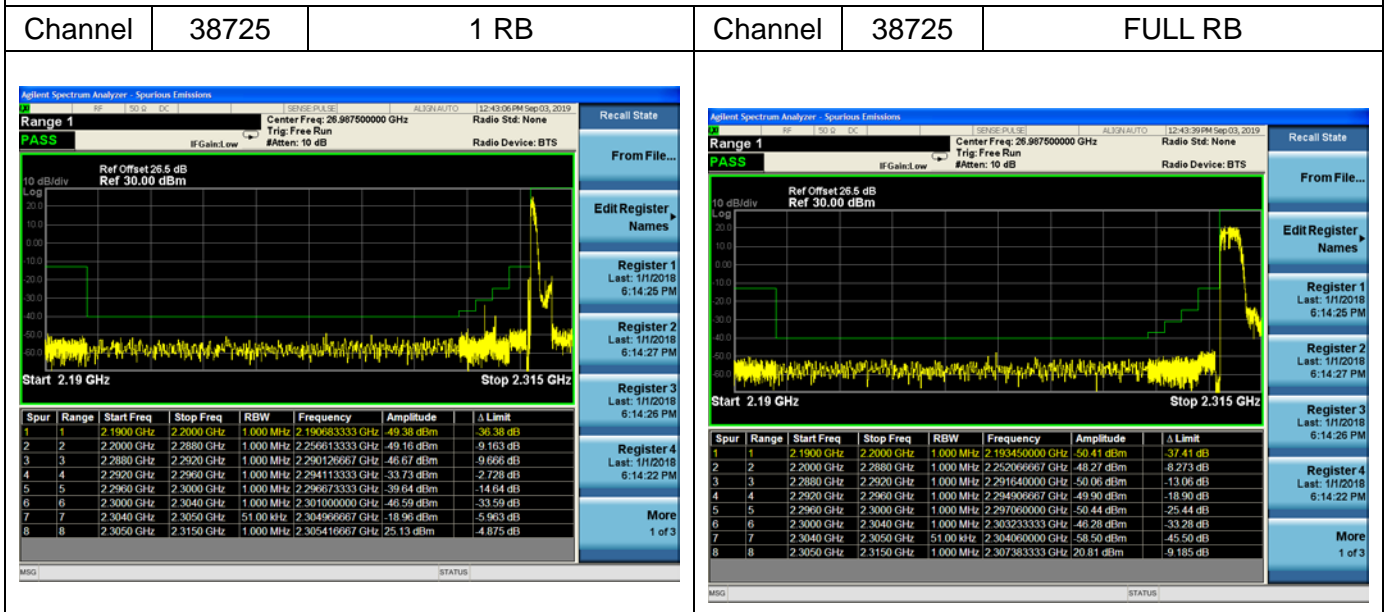
Channel Bandwidth: 20MHz

Channel	38150	1 RB	Channel	38150	FULL RB																																																																																
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LTE Band 40(2305-2315MHz)

Channel Bandwidth: 5MHz



Channel Bandwidth: 5MHz

