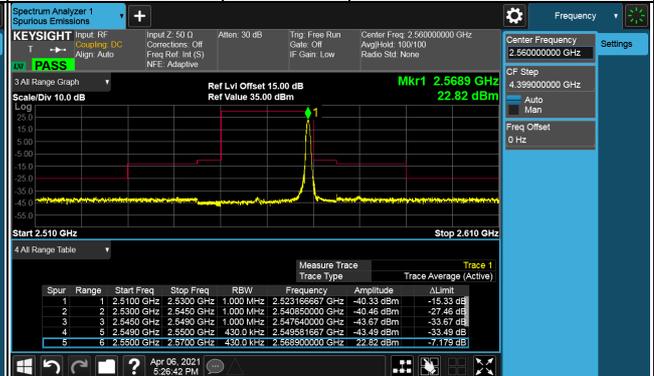
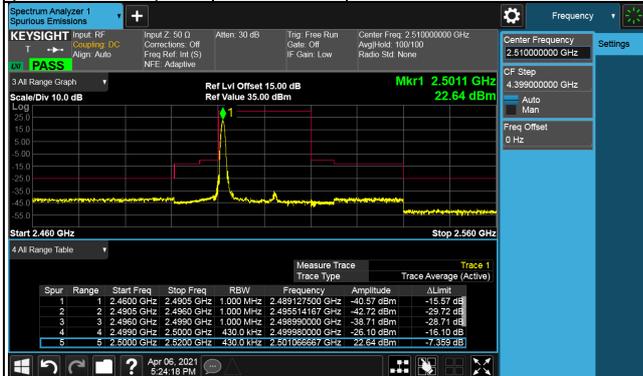
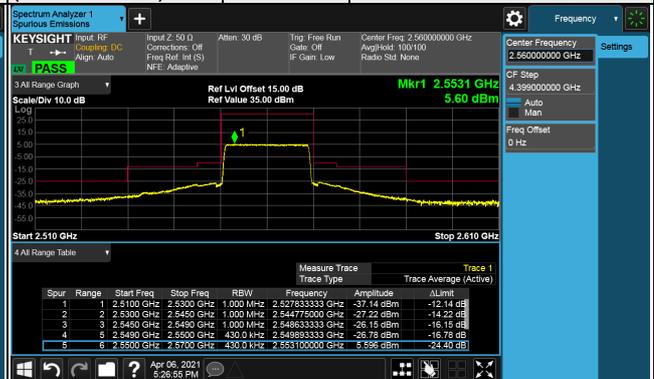
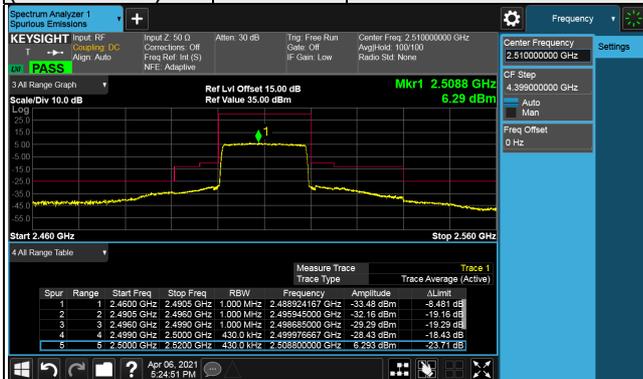


LTE Band 7, Channel Bandwidth 20MHz

Channel 20850 (2510.0MHz)	QPSK	1 RB / 0 RB Offset	Channel 21350 (2560.0MHz)	QPSK	1 RB / 99 RB Offset
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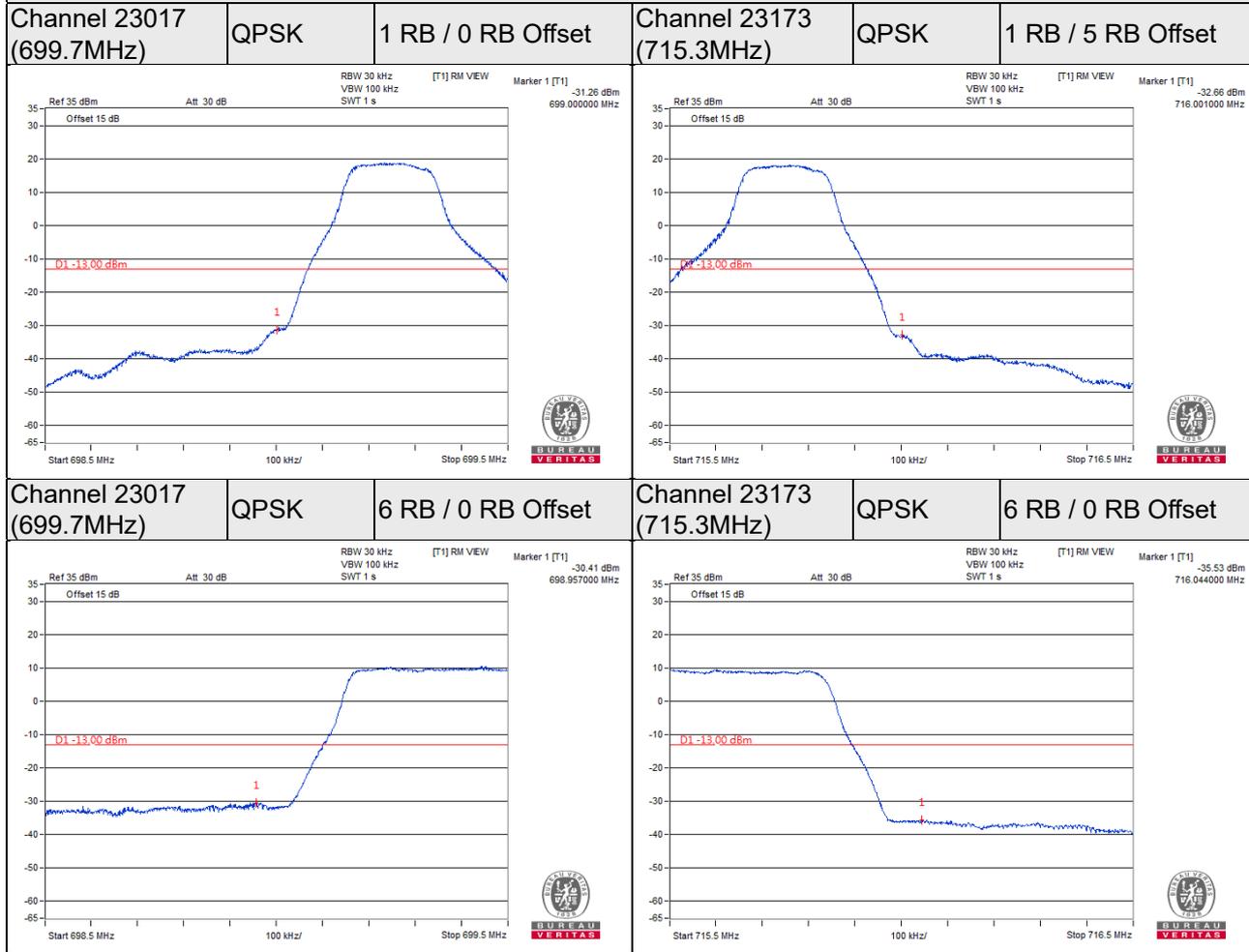


Channel 20850 (2510.0MHz)	QPSK	100 RB / 0 RB Offset	Channel 21350 (2560.0MHz)	QPSK	100 RB / 0 RB Offset
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Band Edge

LTE Band 12, Channel Bandwidth 1.4MHz



LTE Band 12, Channel Bandwidth 3MHz

Channel 23025
(700.5MHz)

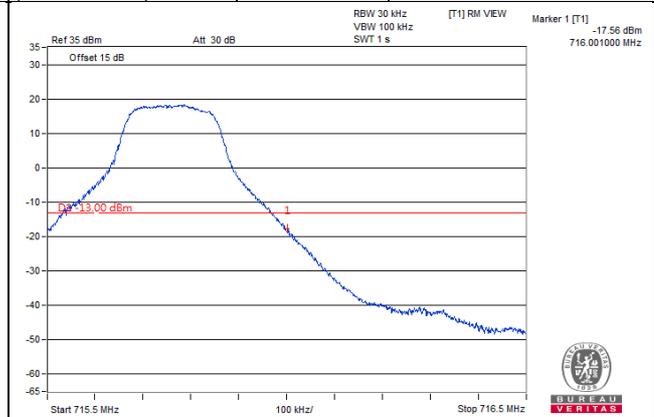
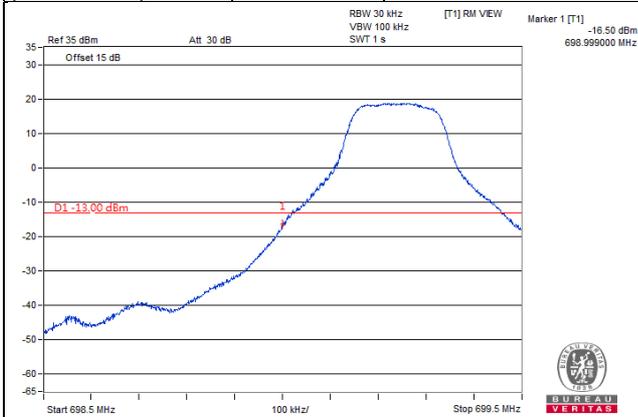
QPSK

1 RB / 0 RB Offset

Channel 23165
(714.5MHz)

QPSK

1 RB / 14RB Offset



Channel 23025
(700.5MHz)

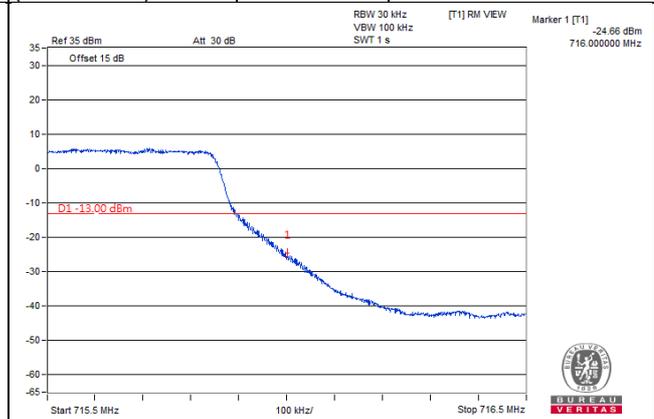
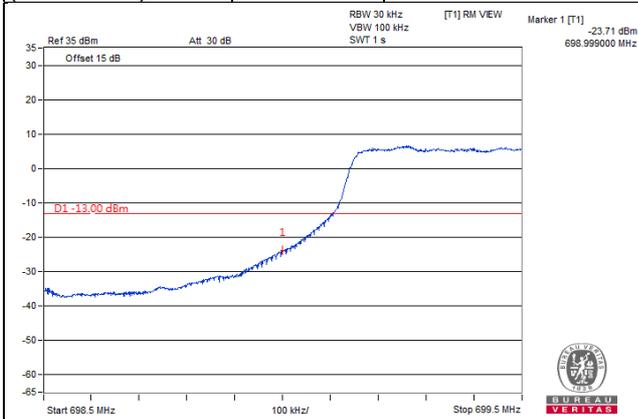
QPSK

15 RB / 0 RB Offset

Channel 23165
(714.5MHz)

QPSK

15 RB / 0 RB Offset



LTE Band 12, Channel Bandwidth 5MHz

Channel 23035
(701.5MHz)

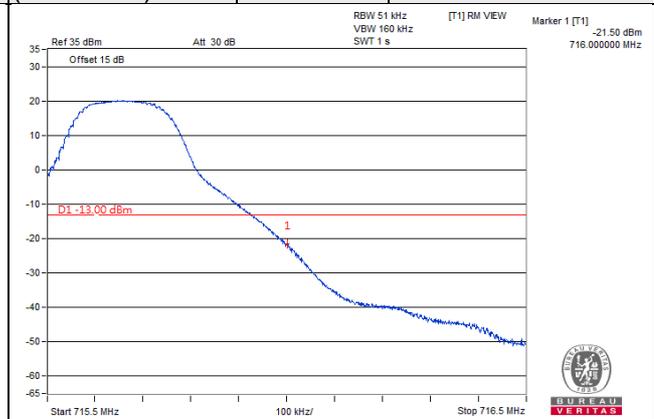
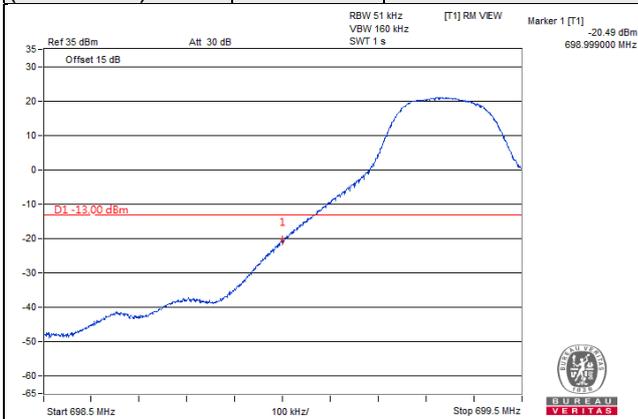
QPSK

1 RB / 0 RB Offset

Channel 23155
(713.5MHz)

QPSK

1 RB / 24RB Offset



Channel 23035
(701.5MHz)

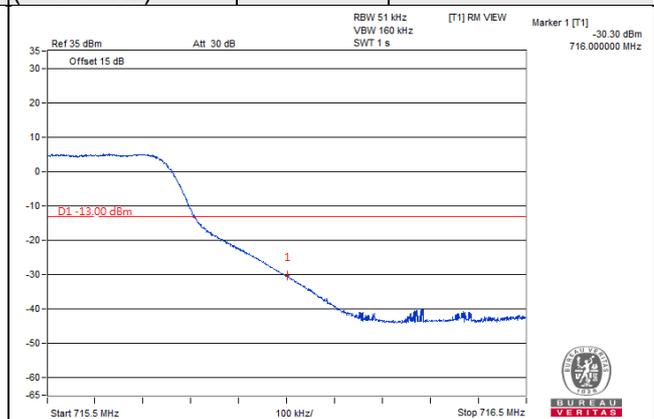
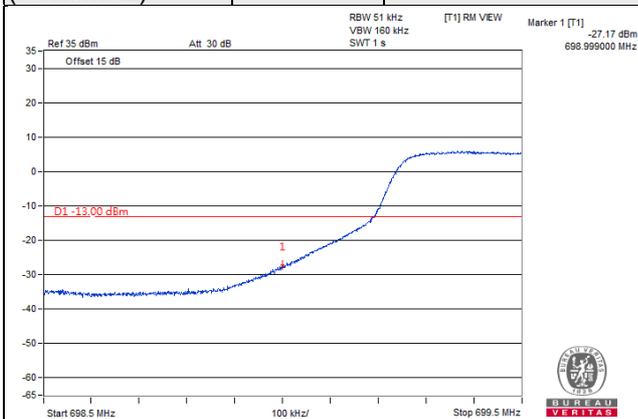
QPSK

25 RB / 0 RB Offset

Channel 23155
(713.5MHz)

QPSK

25 RB / 0 RB Offset



LTE Band 12, Channel Bandwidth 10MHz

Channel 23060
(704.0MHz)

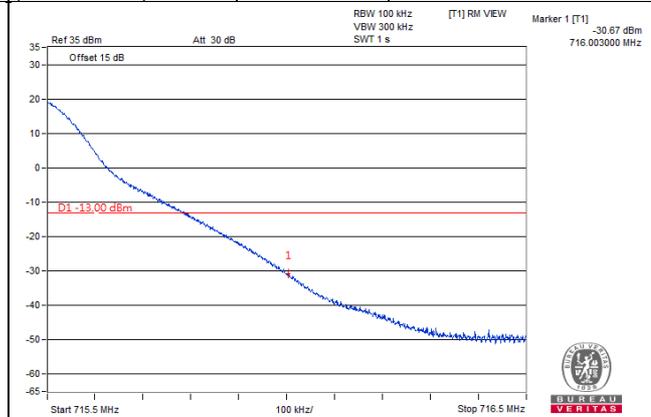
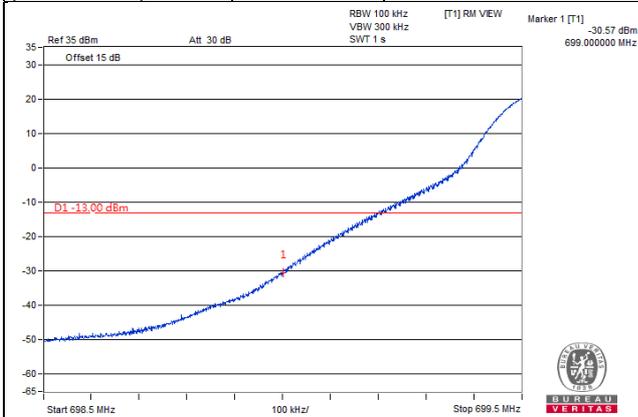
QPSK

1 RB / 0 RB Offset

Channel 23130
(711.0MHz)

QPSK

1 RB / 24RB Offset



Channel 23060
(704.0MHz)

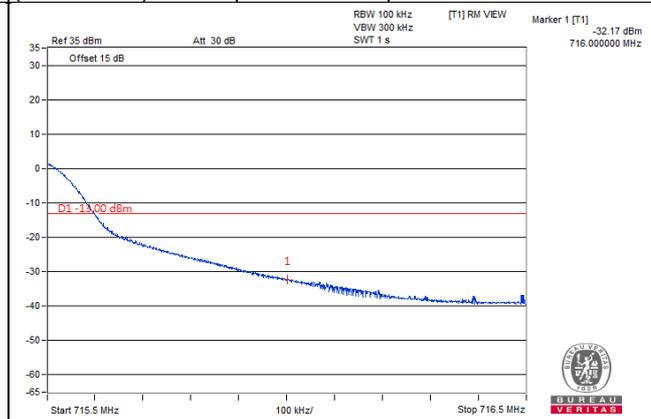
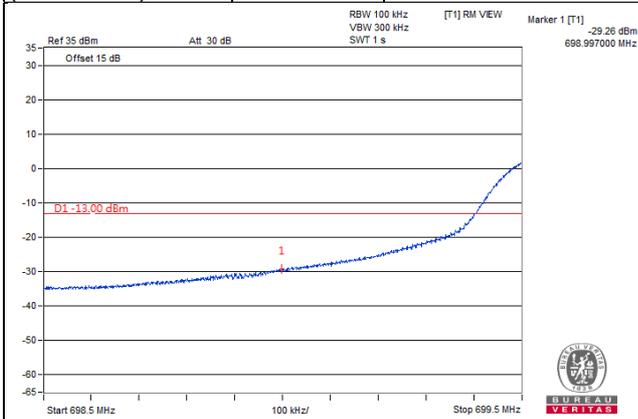
QPSK

50 RB / 0 RB Offset

Channel 23130
(711.0MHz)

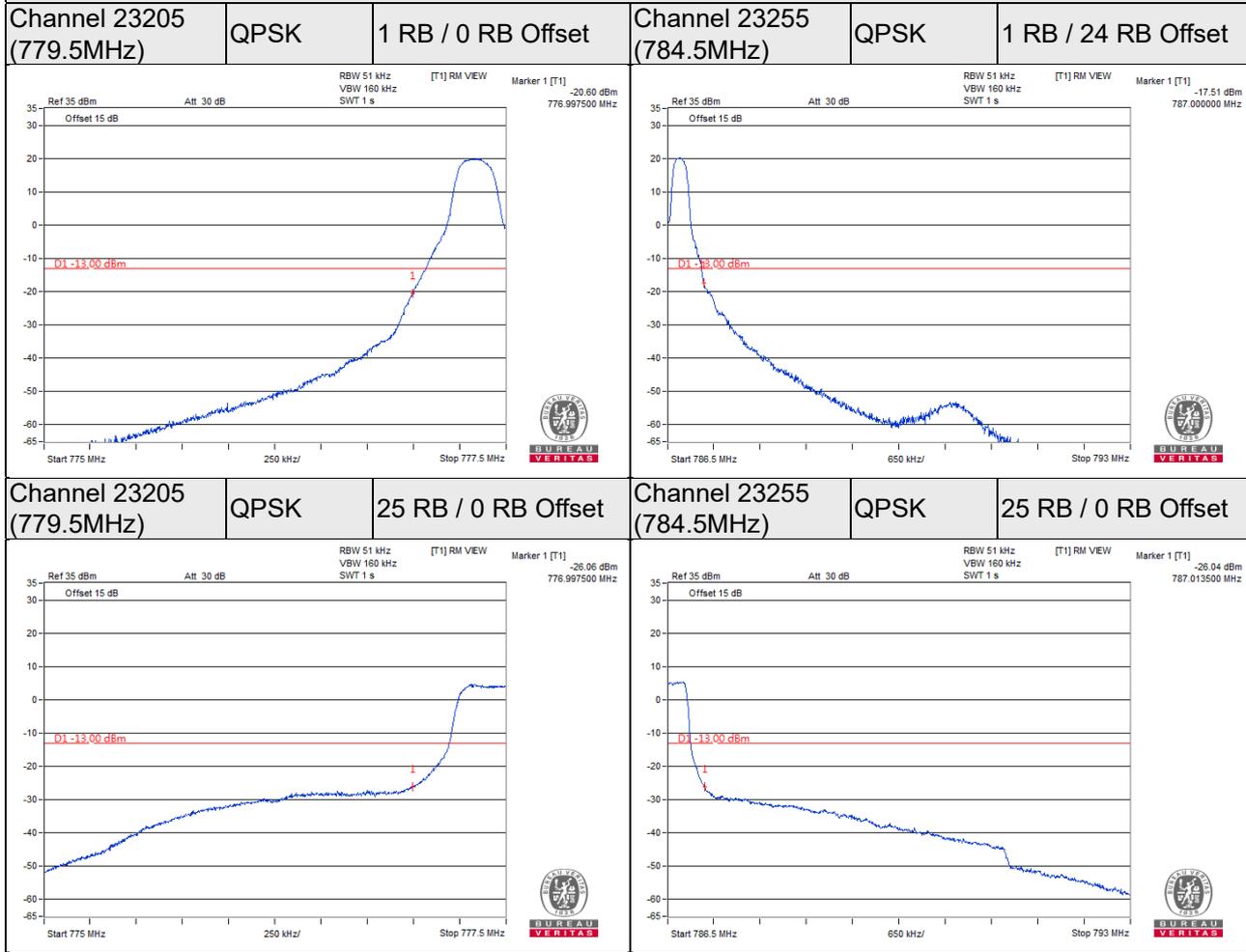
QPSK

25 RB / 0 RB Offset



Band Edge

LTE Band 13, Channel Bandwidth 5MHz



LTE Band 13, Channel Bandwidth 10MHz

Channel 23230
(782.0MHz)

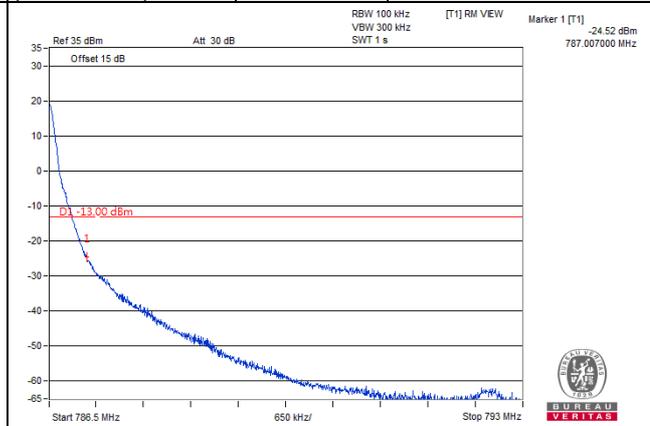
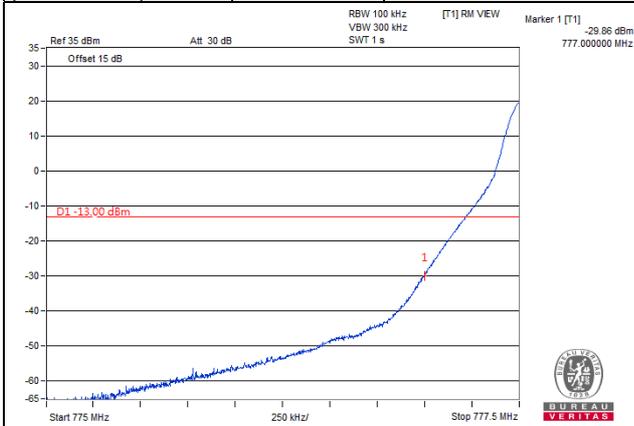
QPSK

1 RB / 0 RB Offset

Channel 23230
(782.0MHz)

QPSK

1 RB / 49 RB Offset



Channel 23230
(782.0MHz)

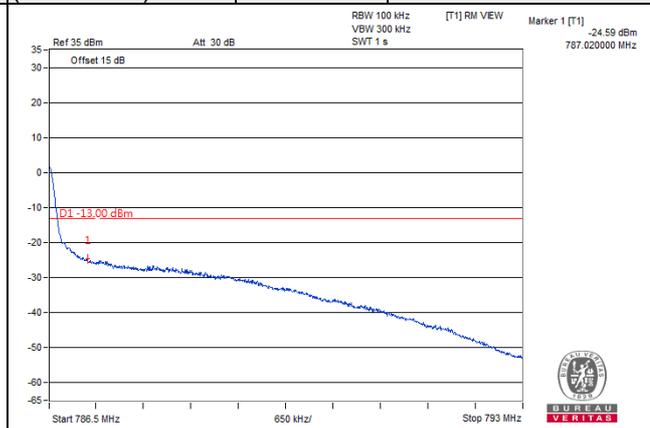
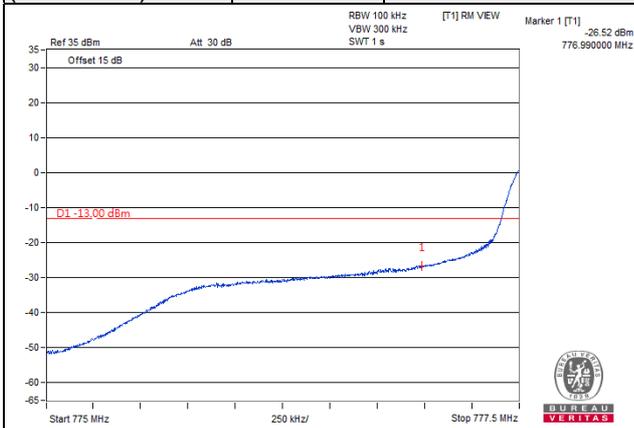
QPSK

50 RB / 0 RB Offset

Channel 23230
(782.0MHz)

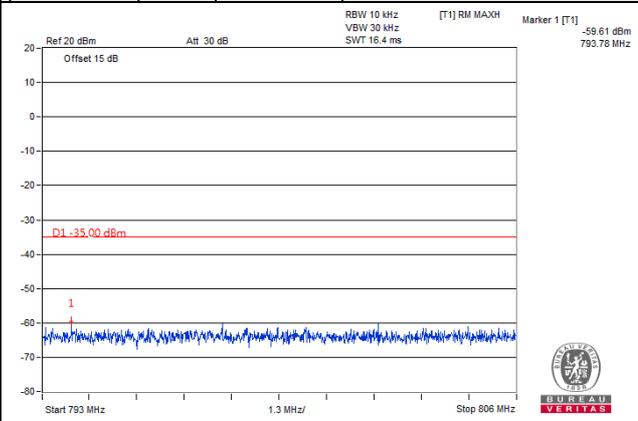
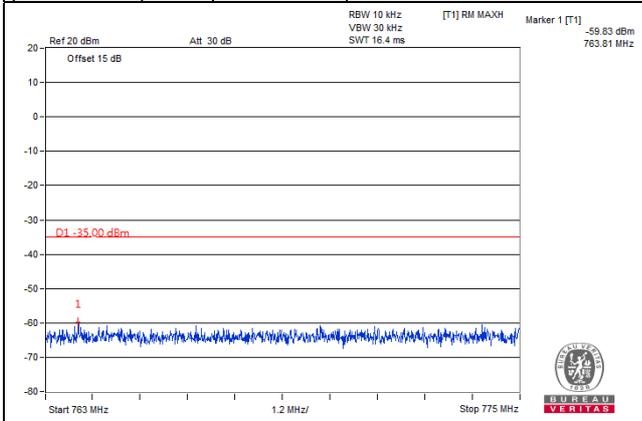
QPSK

50 RB / 0 RB Offset

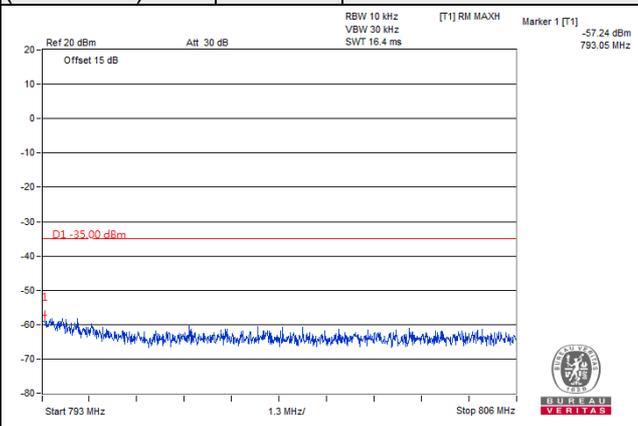
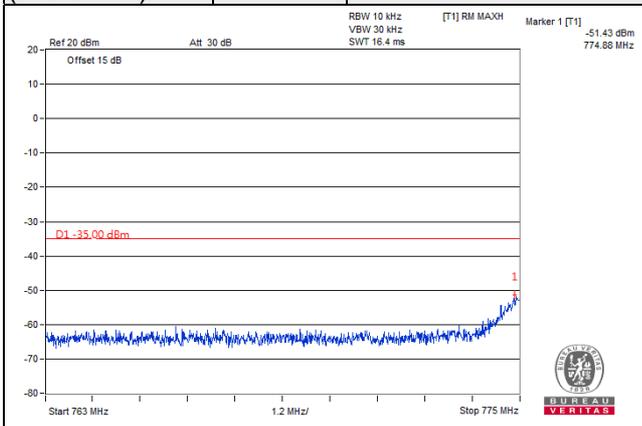


LTE Band 13, Channel Bandwidth 5MHz

Channel 23205 (779.5MHz)	QPSK	1 RB / 0 RB Offset	Channel 23255 (784.5MHz)	QPSK	1 RB / 24 RB Offset
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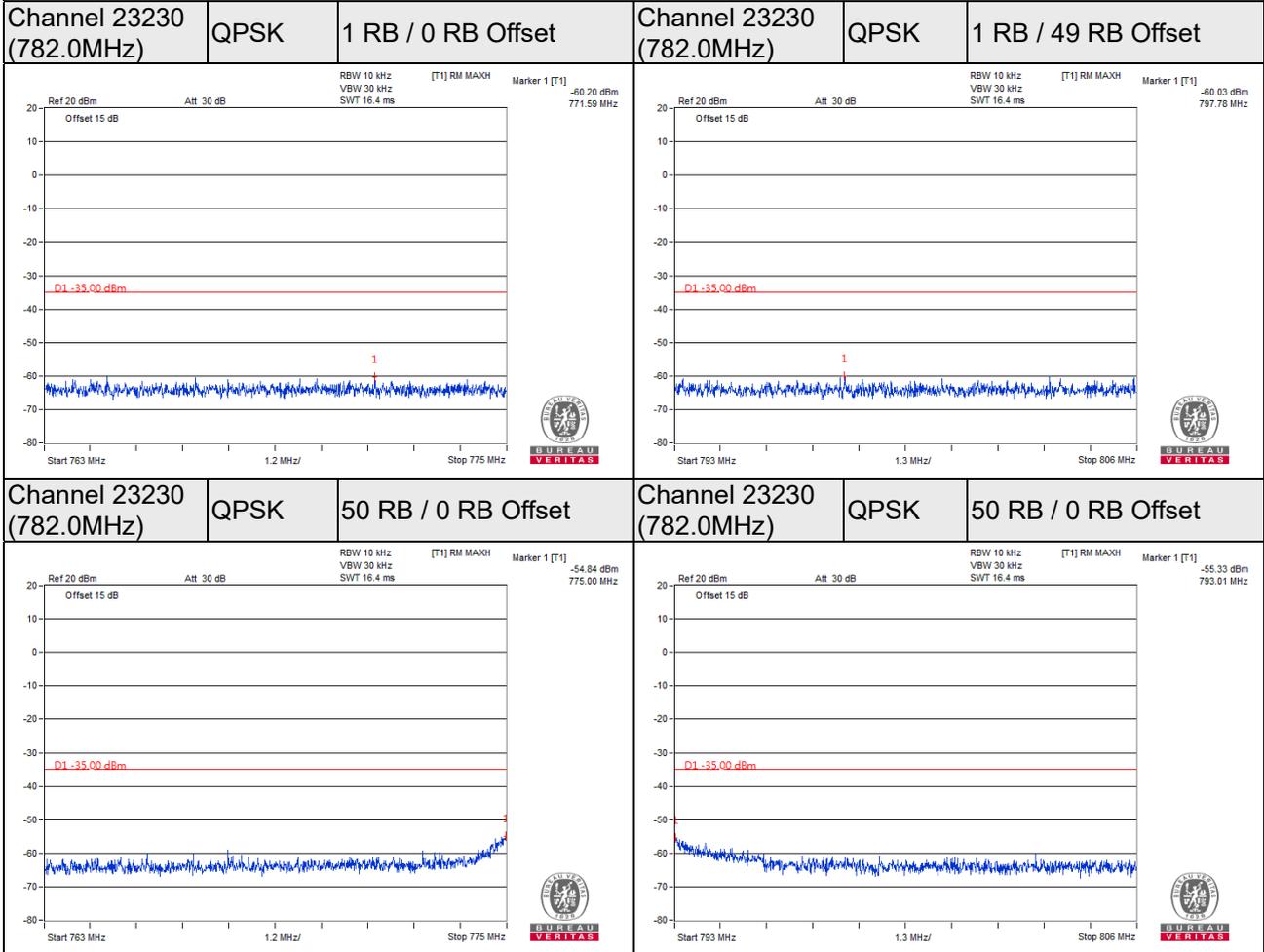


Channel 23205 (779.5MHz)	QPSK	25 RB / 0 RB Offset	Channel 23255 (784.5MHz)	QPSK	25 RB / 0 RB Offset
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For the 763-775MHz and 793-805MHz band, the FCC limit is $65+10\log(P[\text{watt}])$ in a 6.25 kHz bandwidth. Since it was not possible to set the resolution bandwidth to 6.25 kHz with the available equipment, a bandwidth of 10 kHz was used instead to show compliance, and the correction factor is compensated at the spectrum. By using a 10 kHz bandwidth on the spectrum analyzer.

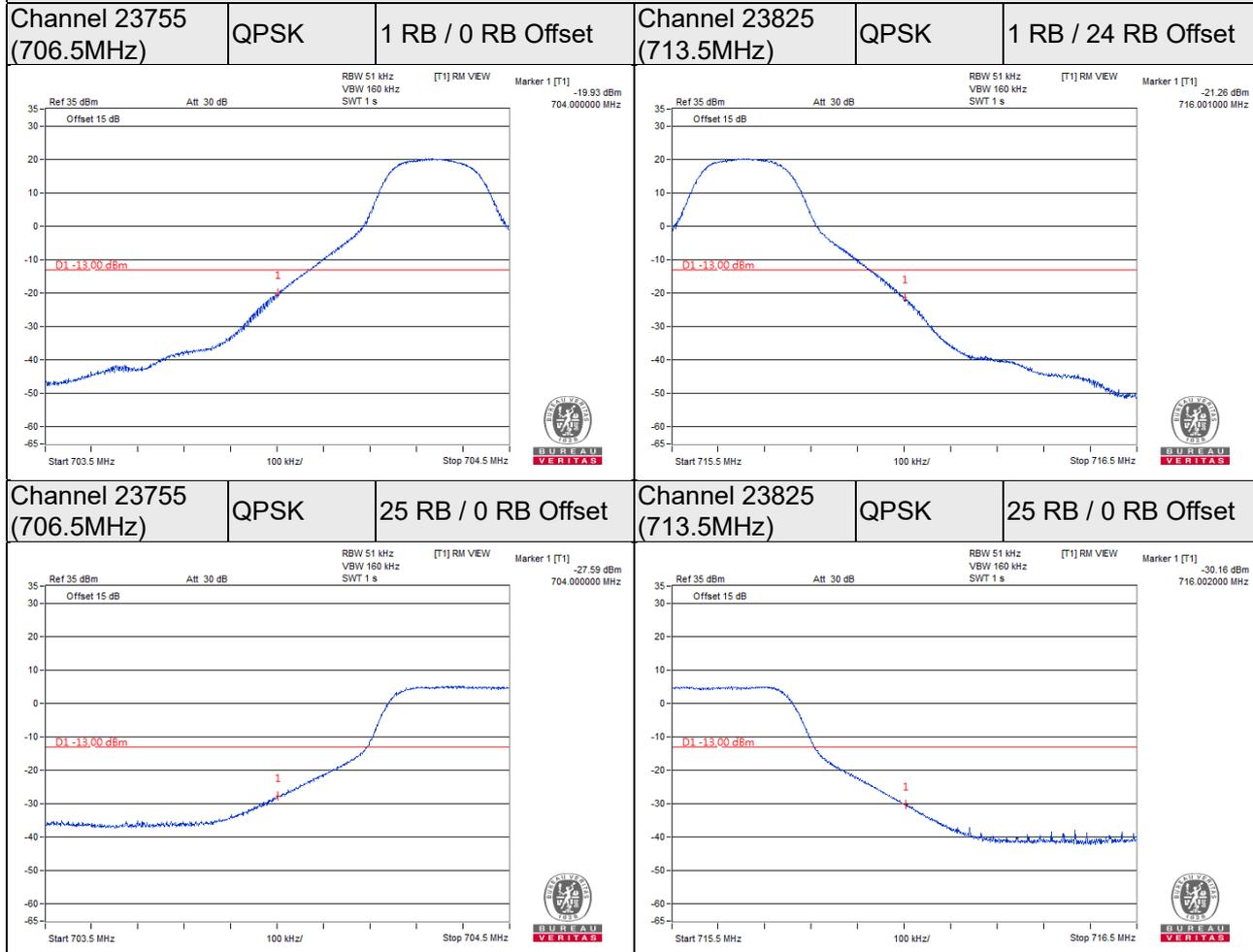
LTE Band 13, Channel Bandwidth 10MHz



For the 763-775MHz and 793-805MHz band, the FCC limit is $65+10\log(P[\text{watt}])$ in a 6.25 kHz bandwidth. Since it was not possible to set the resolution bandwidth to 6.25 kHz with the available equipment, a bandwidth of 10 kHz was used instead to show compliance, and the correction factor is compensated at the spectrum. By using a 10 kHz bandwidth on the spectrum analyzer.

Band Edge

LTE Band 17, Channel Bandwidth 5MHz



LTE Band 17, Channel Bandwidth 10MHz

Channel 23780
(709.0MHz)

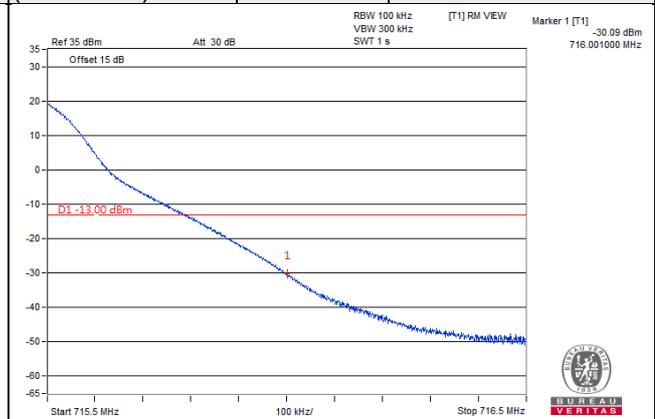
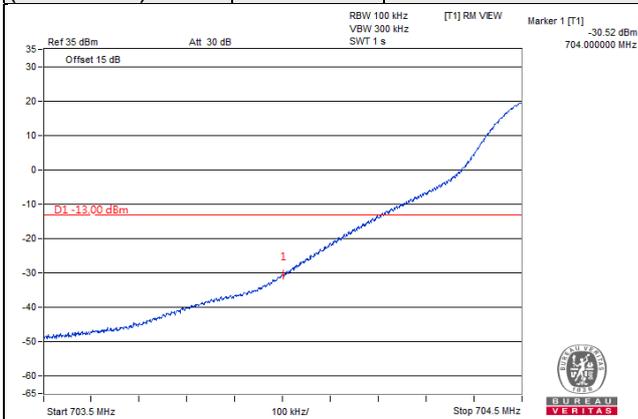
QPSK

1 RB / 0 RB Offset

Channel 23800
(711.0MHz)

QPSK

1 RB / 49 RB Offset



Channel 23780
(709.0MHz)

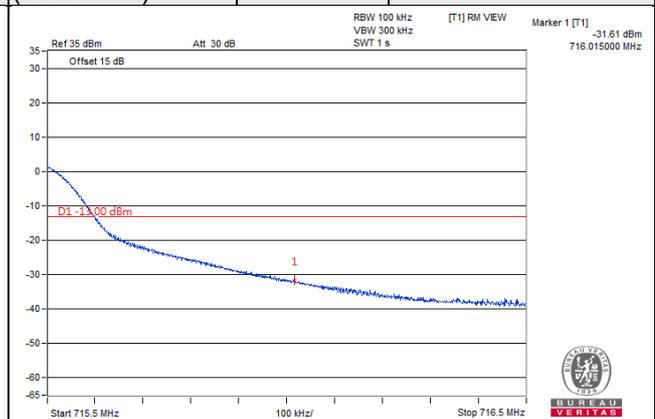
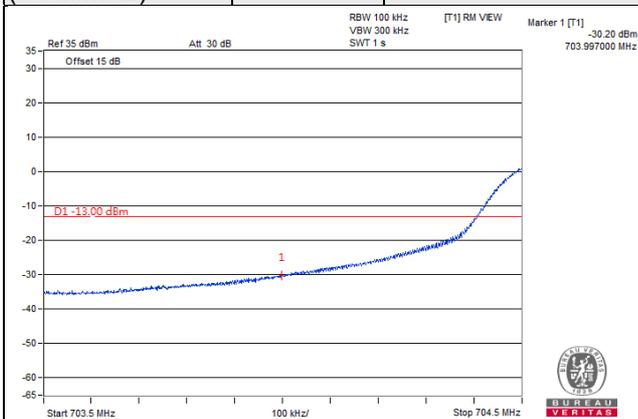
QPSK

50 RB / 0 RB Offset

Channel 23800
(711.0MHz)

QPSK

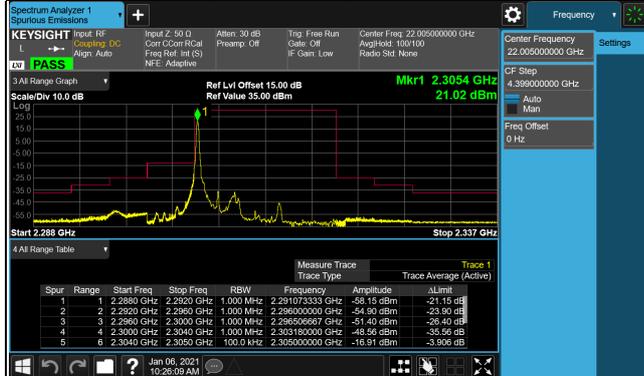
50 RB / 0 RB Offset



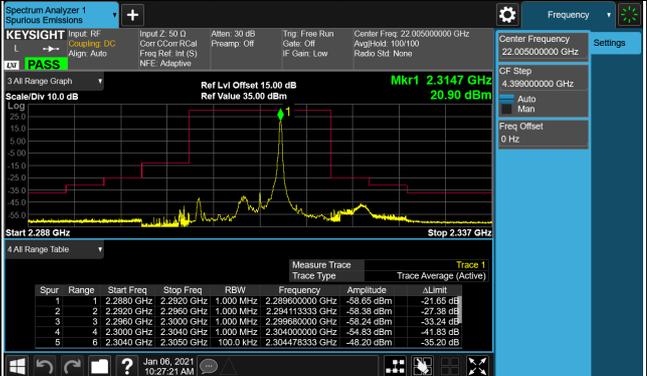
Emission Mask

LTE Band 30, Channel Bandwidth 5MHz

Channel 27685 (2307.5MHz)	QPSK	1 RB / 0 RB Offset	Channel 27735 (2312.5MHz)	QPSK	1 RB / 24 RB Offset
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Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.2880 GHz	2.2920 GHz	1.000 MHz	2.291073333 GHz	-58.15 dBm	-21.15 dB
2	2	2.2920 GHz	2.2960 GHz	1.000 MHz	2.296000000 GHz	-54.50 dBm	-23.30 dB
3	3	2.2960 GHz	2.3000 GHz	1.000 MHz	2.296566667 GHz	-51.40 dBm	-26.40 dB
4	4	2.3000 GHz	2.3040 GHz	1.000 MHz	2.303100000 GHz	-48.56 dBm	-35.56 dB
5	6	2.3040 GHz	2.3050 GHz	100.0 kHz	2.305000000 GHz	-16.91 dBm	-3.96 dB



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.2860 GHz	2.2920 GHz	1.000 MHz	2.286000000 GHz	-58.65 dBm	-21.65 dB
2	2	2.2920 GHz	2.2960 GHz	1.000 MHz	2.294113333 GHz	-58.36 dBm	-27.36 dB
3	3	2.2960 GHz	2.3000 GHz	1.000 MHz	2.299680000 GHz	-58.24 dBm	-33.24 dB
4	4	2.3000 GHz	2.3040 GHz	1.000 MHz	2.304000000 GHz	-54.83 dBm	-41.83 dB
5	6	2.3040 GHz	2.3050 GHz	100.0 kHz	2.304476333 GHz	-48.20 dBm	-35.20 dB

Channel 27685 (2307.5MHz)	QPSK	25 RB / 0 RB Offset	Channel 27735 (2312.5MHz)	QPSK	25 RB / 0 RB Offset
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Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.2880 GHz	2.2920 GHz	1.000 MHz	2.291973333 GHz	-47.63 dBm	-10.63 dB
2	2	2.2920 GHz	2.2960 GHz	1.000 MHz	2.296000000 GHz	-43.00 dBm	-12.00 dB
3	3	2.2960 GHz	2.3000 GHz	1.000 MHz	2.296873333 GHz	-39.09 dBm	-14.09 dB
4	4	2.3000 GHz	2.3040 GHz	1.000 MHz	2.303896667 GHz	-40.47 dBm	-27.47 dB
5	6	2.3040 GHz	2.3050 GHz	100.0 kHz	2.304896667 GHz	-26.54 dBm	-13.54 dB



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.2880 GHz	2.2920 GHz	1.000 MHz	2.291426667 GHz	-52.71 dBm	-15.71 dB
2	2	2.2920 GHz	2.2960 GHz	1.000 MHz	2.295383333 GHz	-48.55 dBm	-17.55 dB
3	3	2.2960 GHz	2.3000 GHz	1.000 MHz	2.299753333 GHz	-43.92 dBm	-18.92 dB
4	4	2.3000 GHz	2.3040 GHz	1.000 MHz	2.302626667 GHz	-46.18 dBm	-33.14 dB
5	6	2.3040 GHz	2.3050 GHz	100.0 kHz	2.304438333 GHz	-44.14 dBm	-31.14 dB

LTE Band 30, Channel Bandwidth 10MHz

Channel 27710
(2310.0MHz)

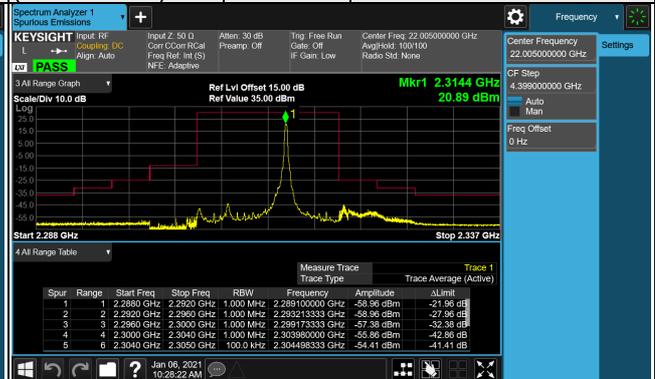
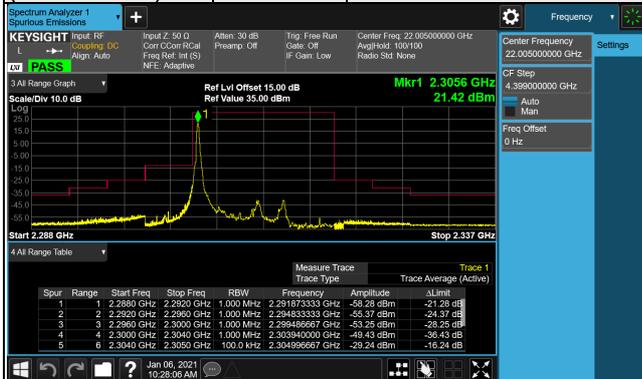
QPSK

1 RB / 0 RB Offset

Channel 27710
(2310.0MHz)

QPSK

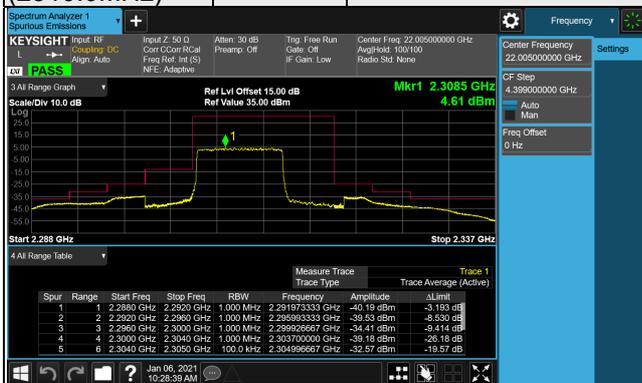
1 RB / 49 RB Offset



Channel 27710
(2310.0MHz)

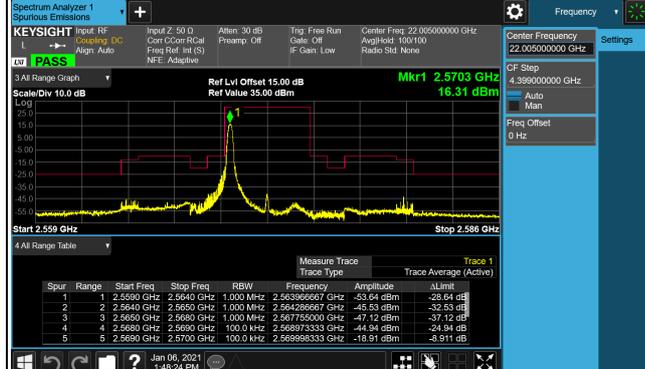
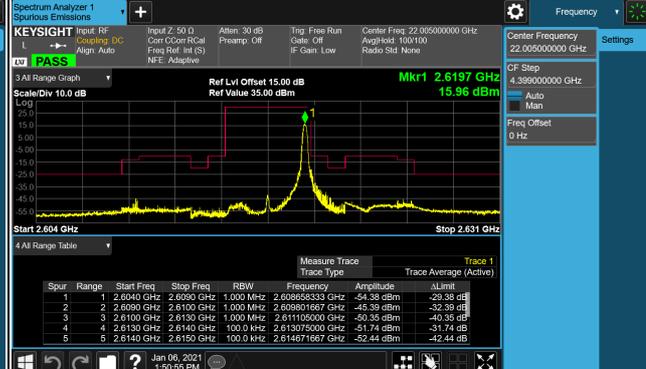
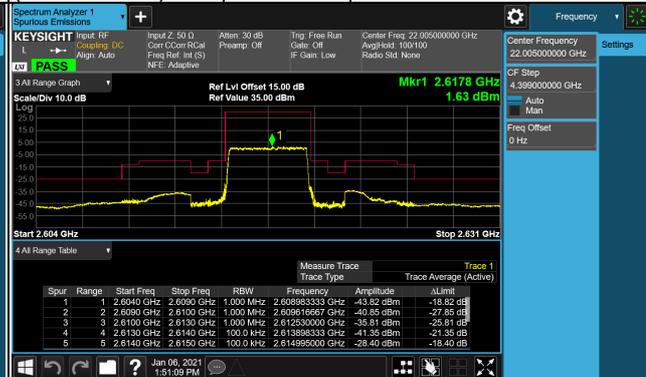
QPSK

50 RB / 0 RB Offset



Out-of-Band Emission

LTE Band 38, Channel Bandwidth 5MHz

Channel 37775 (2572.5MHz)	QPSK	1 RB / 0 RB Offset	Channel 38225 (2617.5MHz)	QPSK	1 RB / 24 RB Offset
					
Channel 37775 (2572.5MHz)	QPSK	25 RB / 0 RB Offset	Channel 38225 (2617.5MHz)	QPSK	25 RB / 0 RB Offset
					

LTE Band 38, Channel Bandwidth 10MHz

Channel 37800
(2575.0MHz)

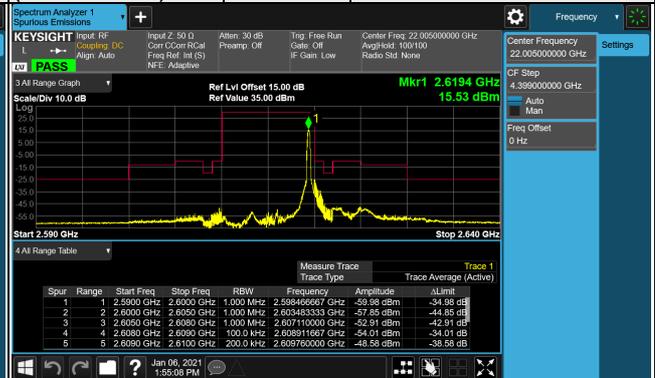
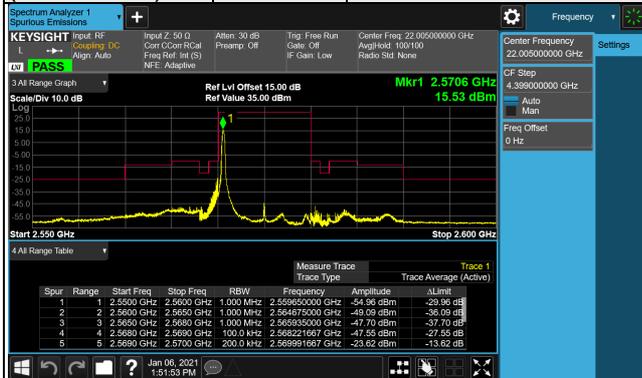
QPSK

1 RB / 0 RB Offset

Channel 38200
(2615.0MHz)

QPSK

1 RB / 49 RB Offset



Channel 37800
(2575.0MHz)

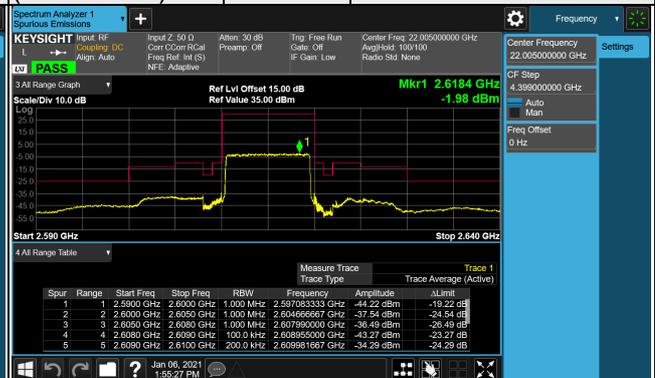
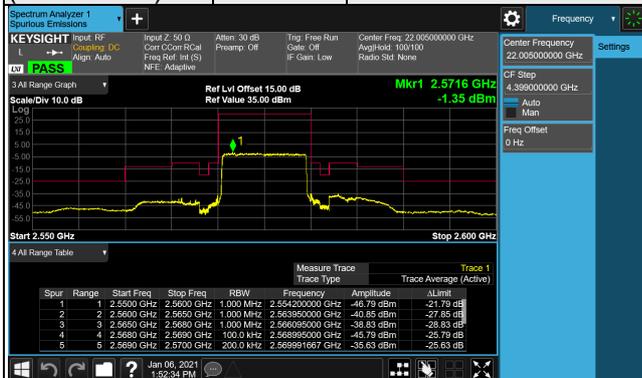
QPSK

50 RB / 0 RB Offset

Channel 38200
(2615.0MHz)

QPSK

50 RB / 0 RB Offset



LTE Band 38, Channel Bandwidth 15MHz

Channel 37825
(2577.5MHz)

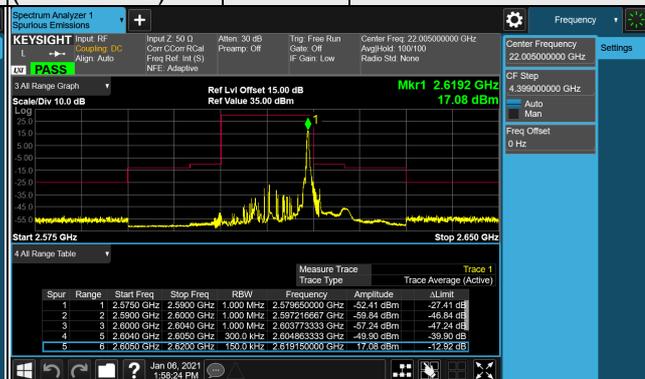
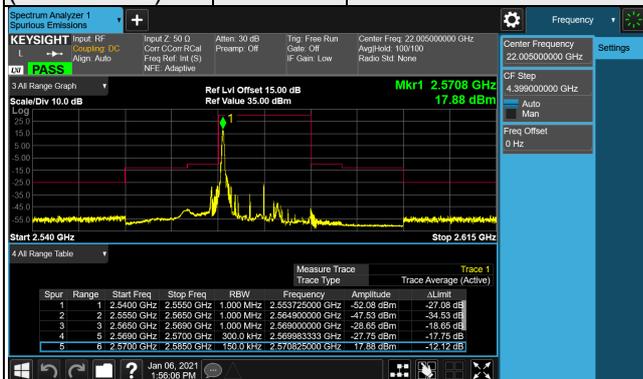
QPSK

1 RB / 0 RB Offset

Channel 38175
(2612.5MHz)

QPSK

1 RB / 74 RB Offset



Channel 37825
(2577.5MHz)

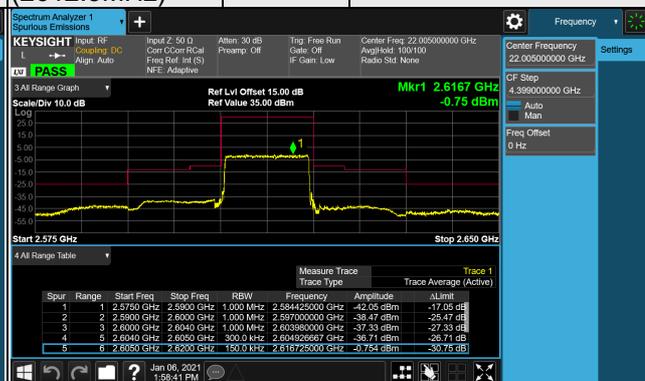
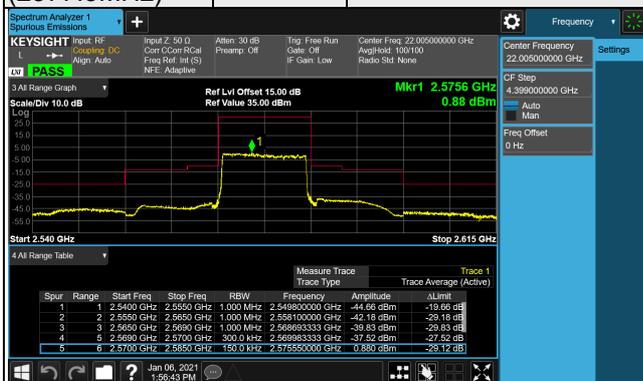
QPSK

75 RB / 0 RB Offset

Channel 38175
(2612.5MHz)

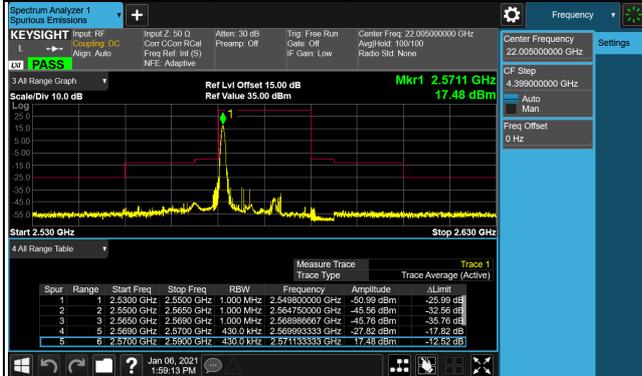
QPSK

75 RB / 0 RB Offset

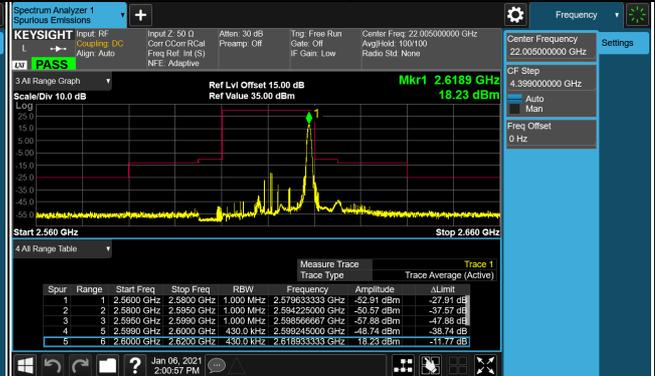


LTE Band 38, Channel Bandwidth 20MHz

Channel 37850 (2580.0MHz)	QPSK	1 RB / 0 RB Offset	Channel 38150 (2610.0MHz)	QPSK	1 RB / 99 RB Offset
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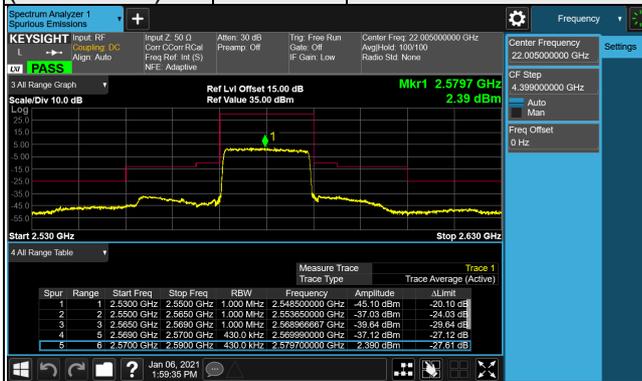


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.5300 GHz	2.5500 GHz	1.000 MHz	2.548800000 GHz	-50.99 dBm	-25.99 dB
2	2	2.5300 GHz	2.5500 GHz	1.000 MHz	2.554700000 GHz	-45.56 dBm	-32.56 dB
3	3	2.5650 GHz	2.5690 GHz	1.000 MHz	2.568866667 GHz	-45.76 dBm	-35.76 dB
4	5	2.5990 GHz	2.5700 GHz	430.0 kHz	2.589993333 GHz	-42.82 dBm	-17.82 dB
5	6	2.5700 GHz	2.5900 GHz	430.0 kHz	2.571133333 GHz	17.48 dBm	-12.52 dB

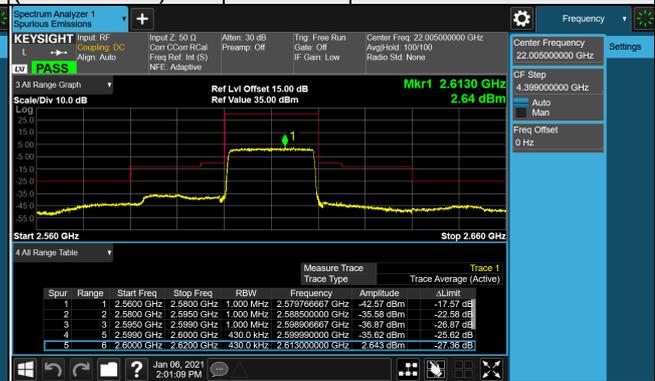


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.5600 GHz	2.5900 GHz	1.000 MHz	2.576333333 GHz	-52.91 dBm	-27.91 dB
2	2	2.5900 GHz	2.5950 GHz	1.000 MHz	2.594250000 GHz	-50.57 dBm	-37.57 dB
3	3	2.5950 GHz	2.5990 GHz	1.000 MHz	2.596666667 GHz	-57.88 dBm	-47.88 dB
4	5	2.5990 GHz	2.6000 GHz	430.0 kHz	2.599250000 GHz	-48.74 dBm	-38.74 dB
5	6	2.6000 GHz	2.6200 GHz	430.0 kHz	2.618933333 GHz	18.23 dBm	-17.77 dB

Channel 37850 (2580.0MHz)	QPSK	100 RB / 0 RB Offset	Channel 38150 (2610.0MHz)	QPSK	100 RB / 0 RB Offset
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Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.5300 GHz	2.5500 GHz	1.000 MHz	2.548800000 GHz	-45.10 dBm	-20.10 dB
2	2	2.5500 GHz	2.5690 GHz	1.000 MHz	2.553650000 GHz	-37.03 dBm	-24.03 dB
3	3	2.5650 GHz	2.5690 GHz	1.000 MHz	2.568866667 GHz	-39.64 dBm	-29.64 dB
4	5	2.5690 GHz	2.5700 GHz	430.0 kHz	2.569990000 GHz	-37.12 dBm	-27.12 dB
5	6	2.5700 GHz	2.5900 GHz	430.0 kHz	2.579700000 GHz	2.39 dBm	-27.61 dB



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.5600 GHz	2.5900 GHz	1.000 MHz	2.576766667 GHz	-42.57 dBm	-17.57 dB
2	2	2.5900 GHz	2.5950 GHz	1.000 MHz	2.588500000 GHz	-35.58 dBm	-22.58 dB
3	3	2.5950 GHz	2.5990 GHz	1.000 MHz	2.596906667 GHz	-36.97 dBm	-38.97 dB
4	5	2.5990 GHz	2.6000 GHz	430.0 kHz	2.599990000 GHz	-35.62 dBm	-25.62 dB
5	6	2.6000 GHz	2.6200 GHz	430.0 kHz	2.613000000 GHz	2.64 dBm	-27.36 dB

Emission Mask

LTE Band 40 (2305MHz ~ 2315MHz), Channel Bandwidth 5MHz

Channel 38725 (2307.5MHz)	QPSK	1 RB / 0 RB Offset	Channel 38775 (2312.5MHz)	QPSK	1 RB / 24 RB Offset
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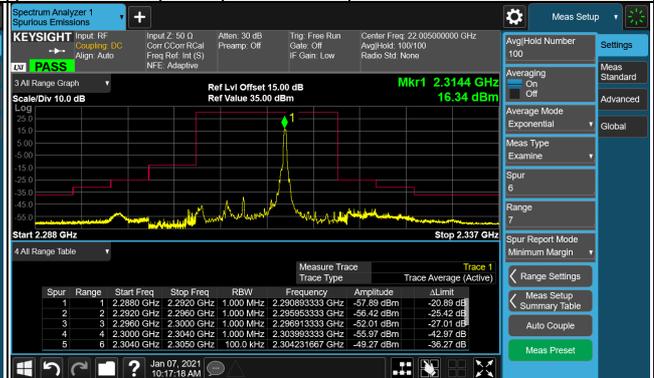
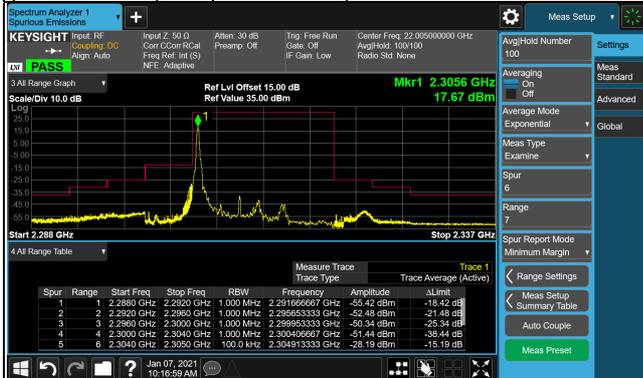


Channel 38725 (2307.5MHz)	QPSK	25 RB / 0 RB Offset	Channel 38775 (2312.5MHz)	QPSK	25 RB / 0 RB Offset
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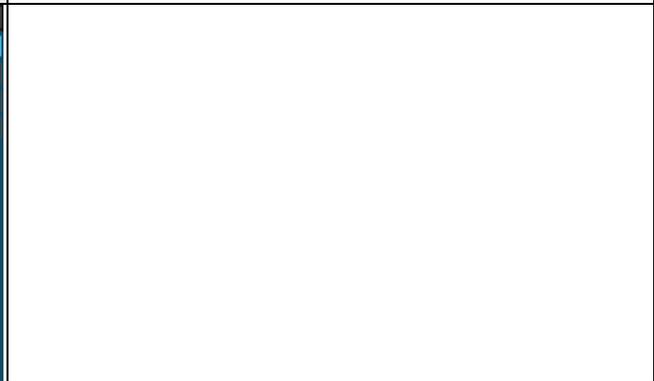
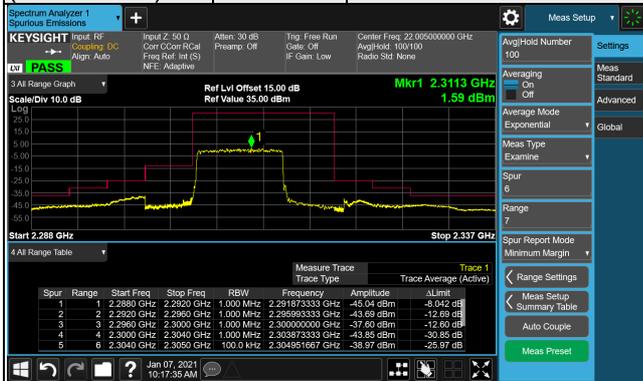


LTE Band 40 (2305MHz ~ 2315MHz), Channel Bandwidth 10MHz

Channel 38750 (2310.0MHz)	QPSK	1 RB / 0 RB Offset	Channel 38750 (2310.0MHz)	QPSK	1 RB / 49 RB Offset
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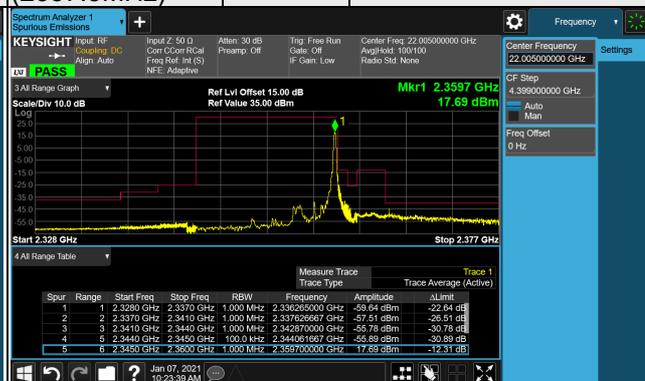
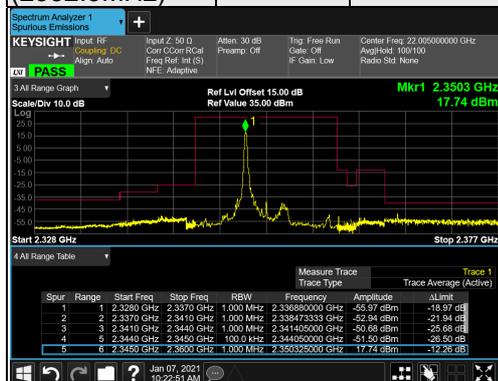
Channel 38750 (2310.0MHz)	QPSK	50 RB / 0 RB Offset			
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Emission Mask

LTE Band 40 (2350MHz ~ 2360MHz), Channel Bandwidth 5MHz

Channel 39175 (2352.5MHz)	QPSK	1 RB / 0 RB Offset	Channel 39225 (2357.5MHz)	QPSK	1 RB / 24 RB Offset
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Channel 39175 (2352.5MHz)	QPSK	25 RB / 0 RB Offset
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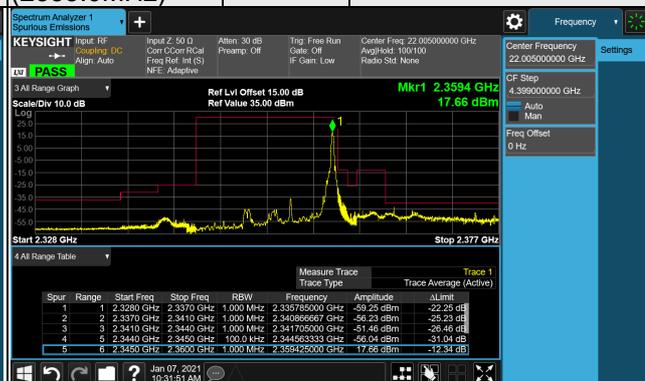
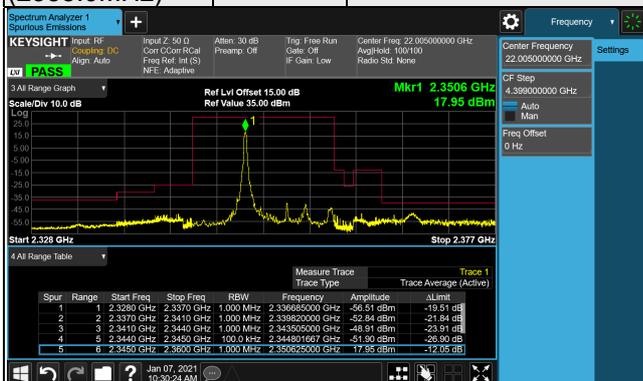


Channel 39225 (2357.5MHz)	QPSK	25 RB / 0 RB Offset
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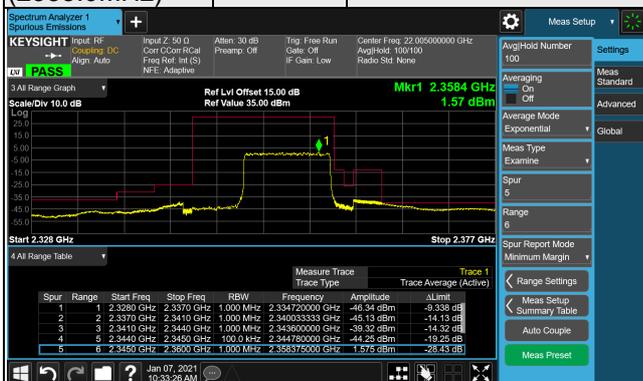


LTE Band 40 (2350MHz ~ 2360MHz), Channel Bandwidth 10MHz

Channel 39200 (2355.0MHz)	QPSK	1 RB / 0 RB Offset	Channel 39200 (2355.0MHz)	QPSK	1 RB / 49 RB Offset
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Channel 39200 (2355.0MHz)	QPSK	50 RB / 0 RB Offset
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Meas Setup

Avg/Hold Number: 100

Averaging: On

Average Mode: Exponential

Meas Type: Examine

Spur: 5

Range: 6

Spur Report Mode: Minimum Margin

Range Settings

Meas Setup

Summary Table

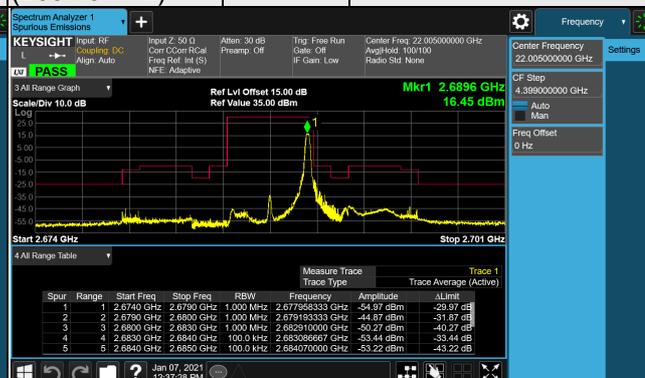
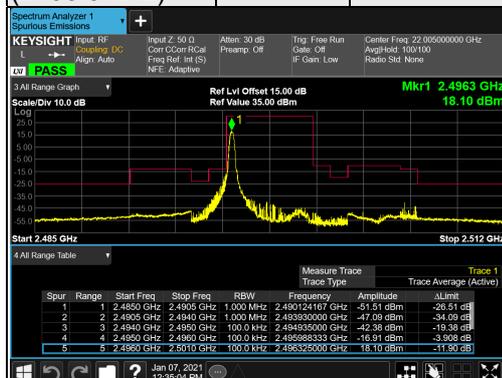
Auto Couple

Meas Preset

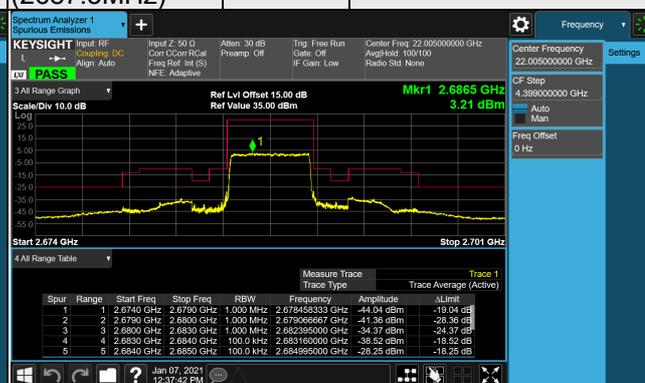
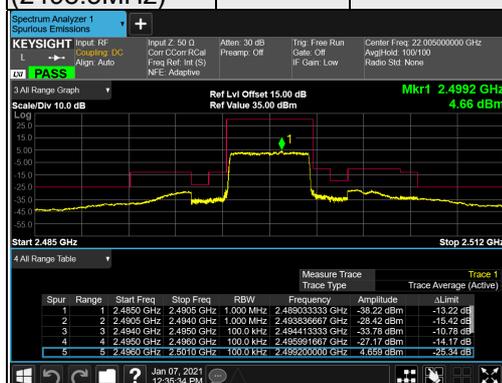
Out-of-Band Emission

LTE Band 41, Channel Bandwidth 5MHz

Channel 39675 (2498.5MHz)	QPSK	1 RB / 0 RB Offset	Channel 41565 (2687.5MHz)	QPSK	1 RB / 24 RB Offset
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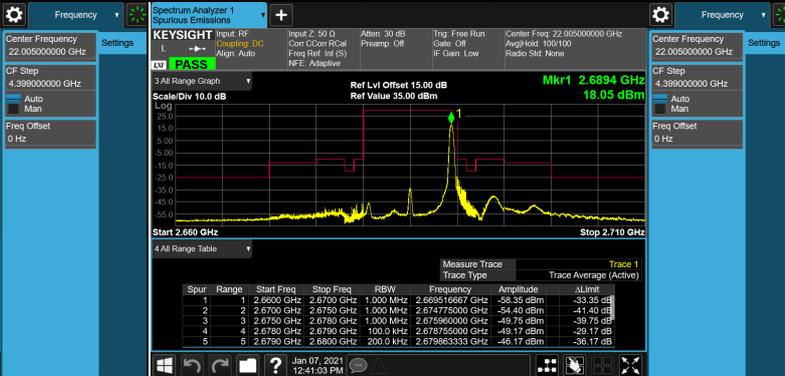
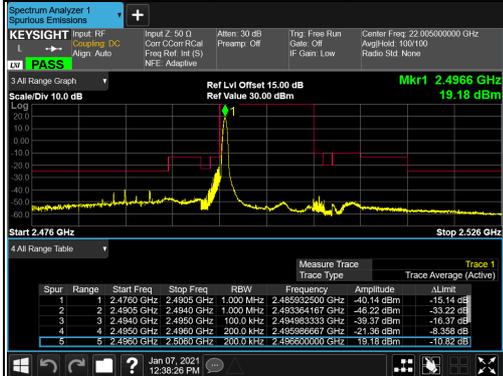


Channel 39675 (2498.5MHz)	QPSK	25 RB / 0 RB Offset	Channel 41565 (2687.5MHz)	QPSK	25 RB / 0 RB Offset
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LTE Band 41, Channel Bandwidth 10MHz

Channel 39700 (2501.0MHz)	QPSK	1 RB / 0 RB Offset	Channel 41540 (2685.0MHz)	QPSK	1 RB / 49 RB Offset
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Channel 39700 (2501.0MHz)	QPSK	50 RB / 0 RB Offset	Channel 41540 (2685.0MHz)	QPSK	50 RB / 0 RB Offset
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