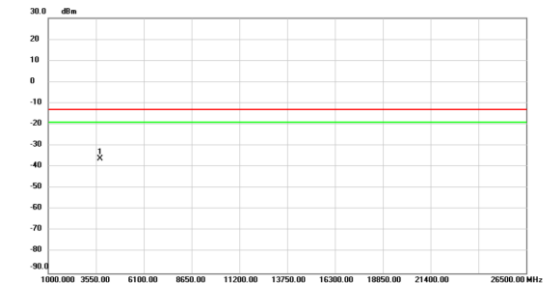


Test Mode : WCDMA Band II_TX CH9800

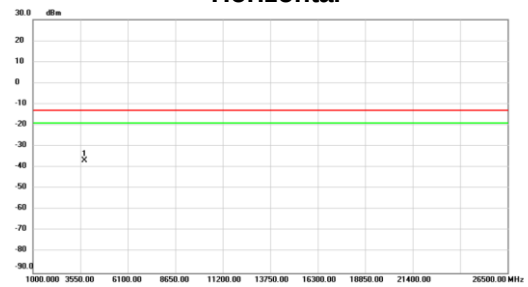
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3754.000	-35.19	-0.93	-36.12	-13.00	-23.12	peak	

Test Mode : WCDMA Band II_TX CH9800

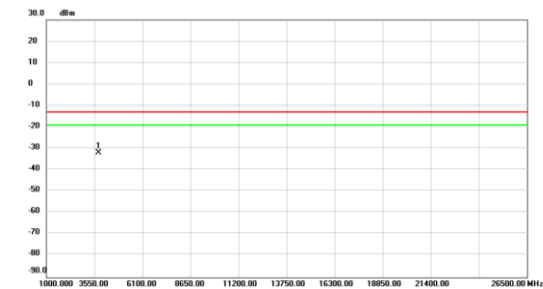
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3754.000	-35.67	-0.93	-36.60	-13.00	-23.60	peak	

Test Mode : LTE Band 2_TX CH18900_1.4MHz

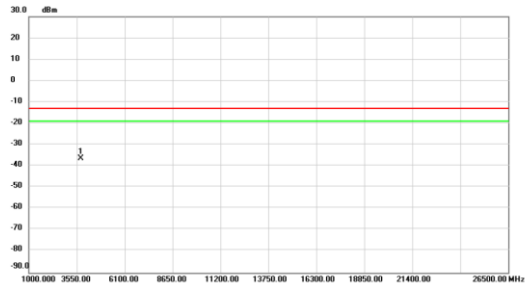
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3754.000	-30.89	-0.93	-31.82	-13.00	-18.82	peak	

Test Mode : LTE Band 2_TX CH18900_1.4MHz

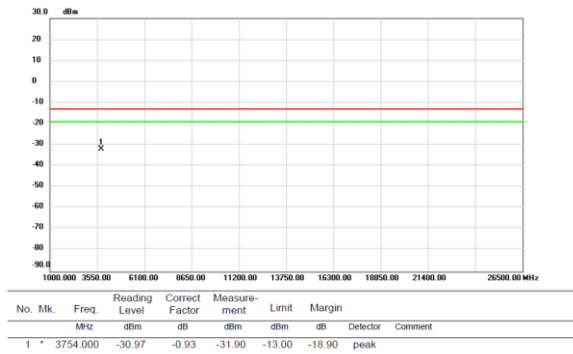
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3754.000	-35.59	-0.93	-36.52	-13.00	-23.52	peak	

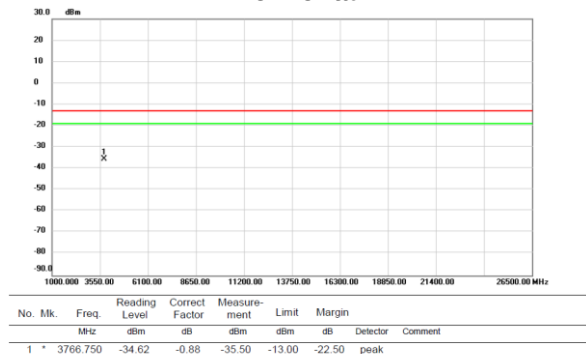
Test Mode : LTE Band 2_TX CH18900_5MHz

Vertical



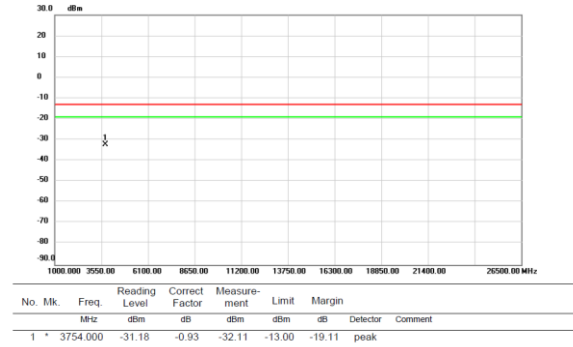
Test Mode : LTE Band 2_TX CH18900_5MHz

Horizontal



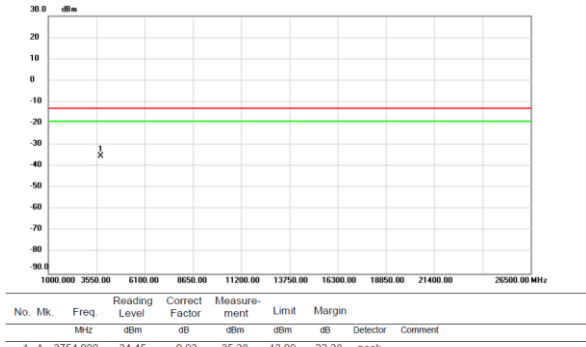
Test Mode : LTE Band 2_TX CH18900_20MHz

Vertical

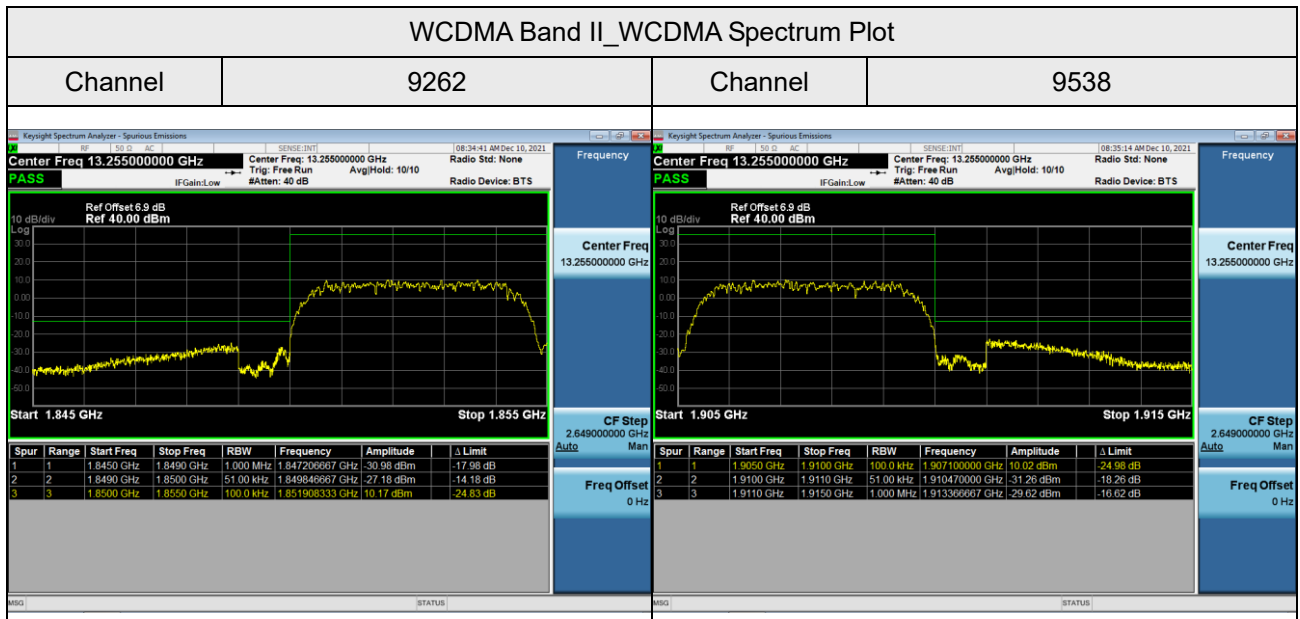


Test Mode : LTE Band 2_TX CH18900_20MHz

Horizontal



APPENDIX G - BAND EDGE



LTE Band 2_1.4MHz Spectrum Plot

1RB#0

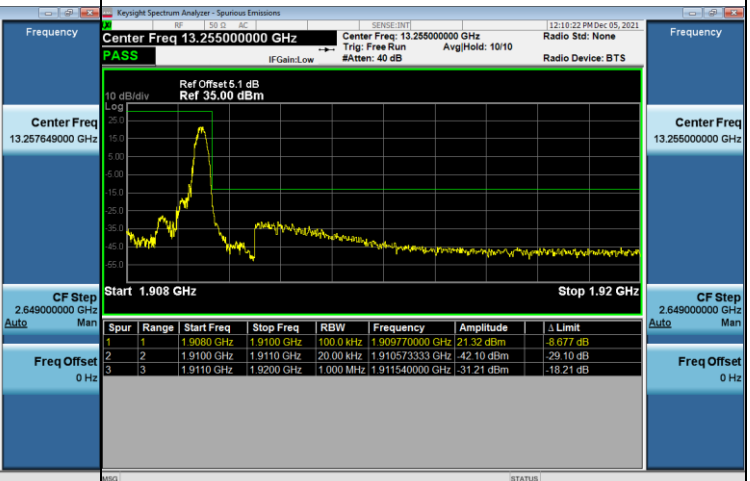
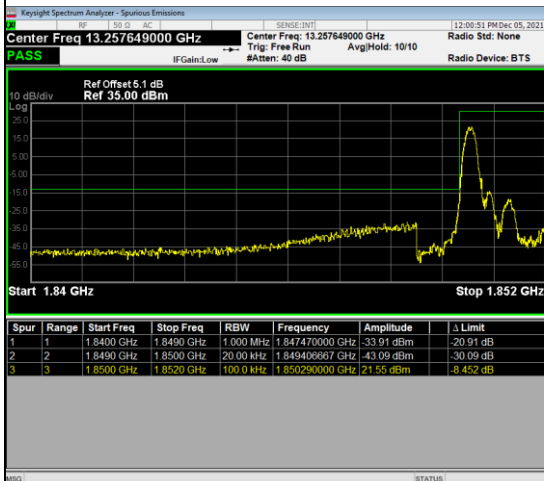
1RB#5

Channel

18607

Channel

19193



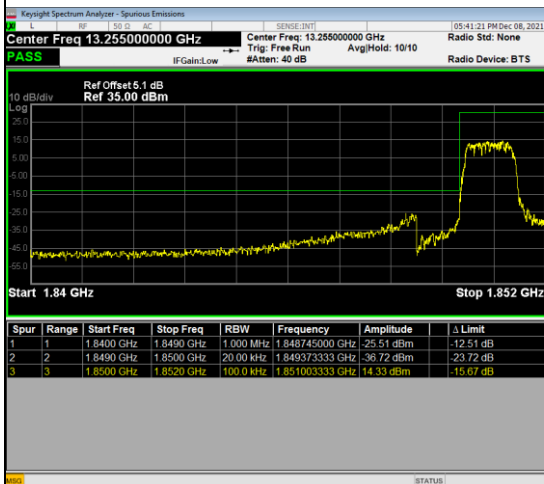
6RB#0

Channel

18607

Channel

19193



LTE Band 2_3MHz Spectrum Plot

1RB#0

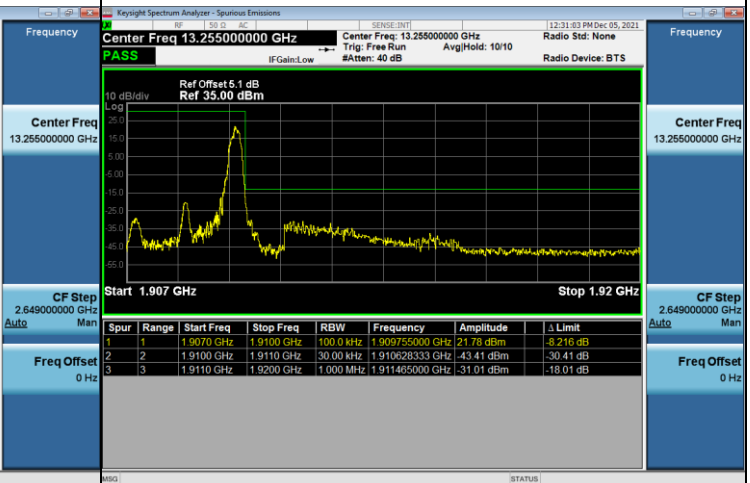
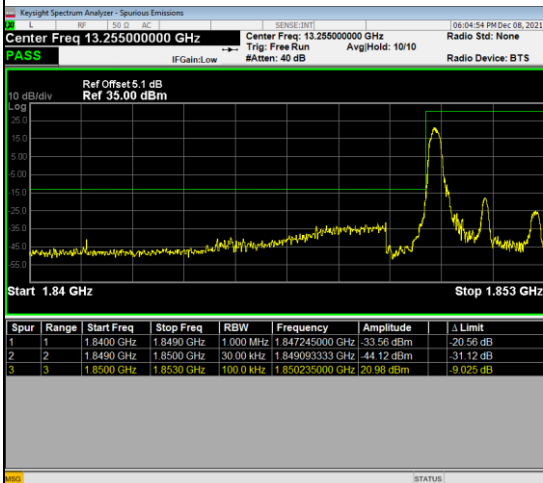
1RB#14

Channel

18615

Channel

19185



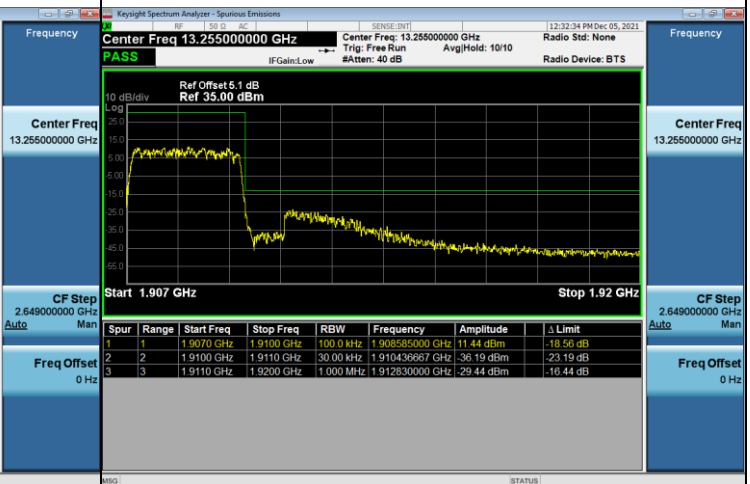
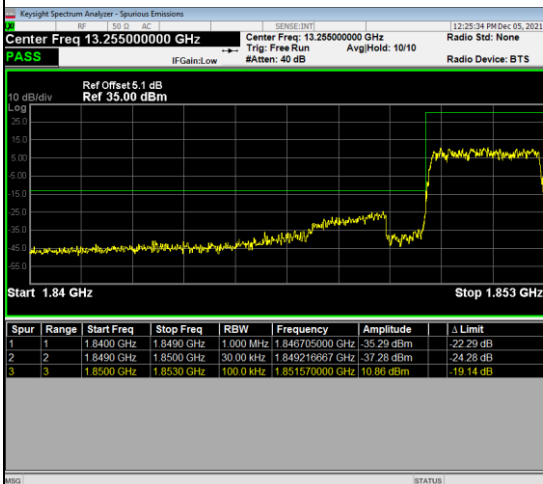
15RB#0

Channel

18615

Channel

19185



LTE Band 2_5MHz Spectrum Plot

1RB#0

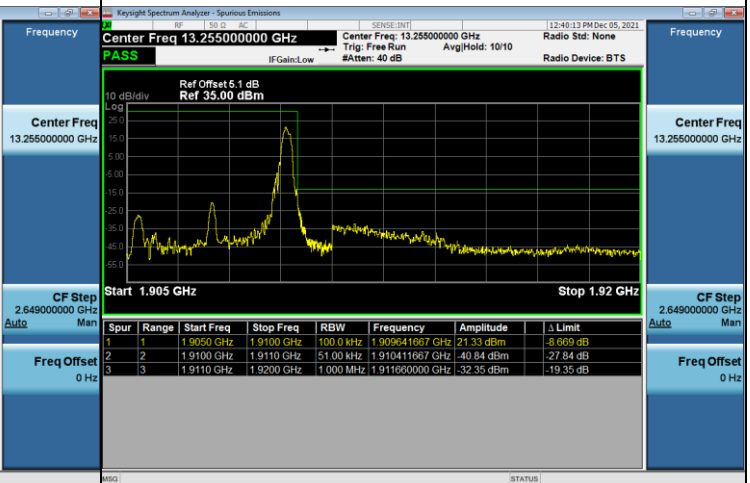
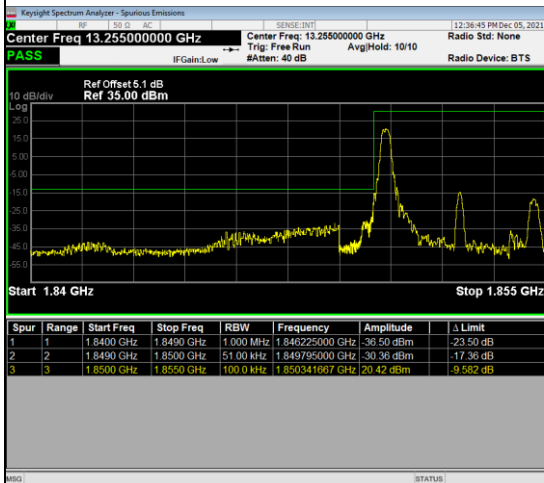
1RB#24

Channel

18625

Channel

19175



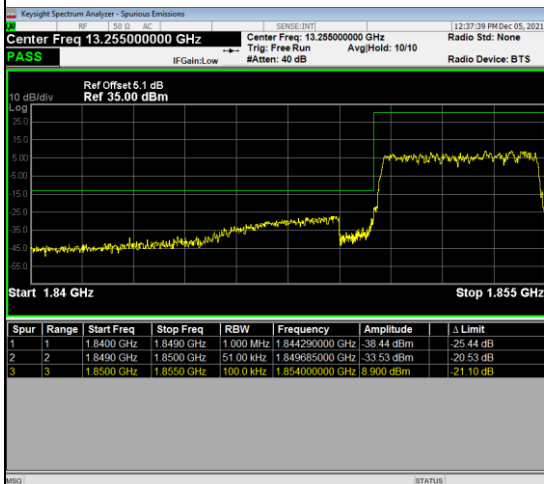
25RB#0

Channel

18625

Channel

19175



LTE Band 2_10MHz Spectrum Plot

1RB#0

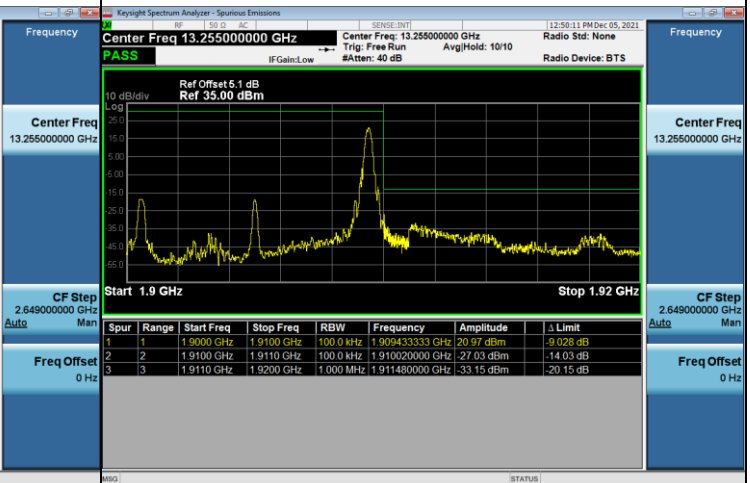
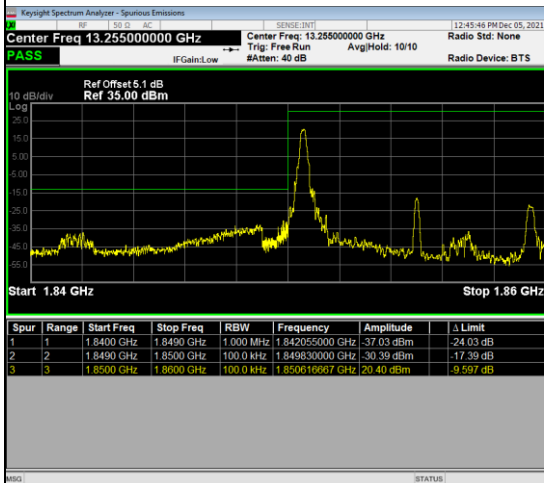
1RB#49

Channel

18650

Channel

19150



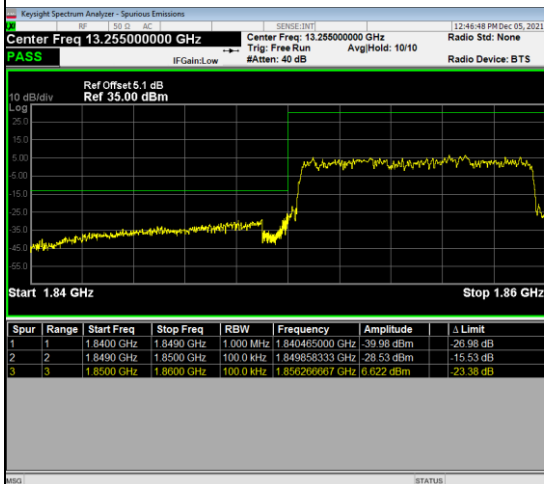
50RB#0

Channel

18650

Channel

19150



LTE Band 2_15MHz Spectrum Plot

1RB#0

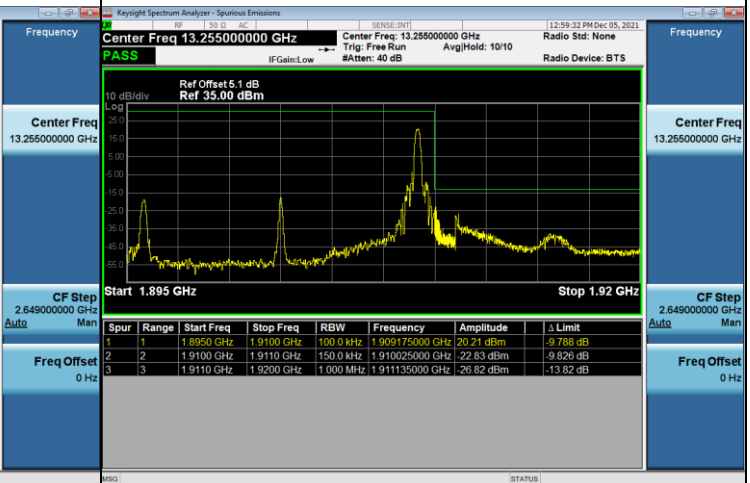
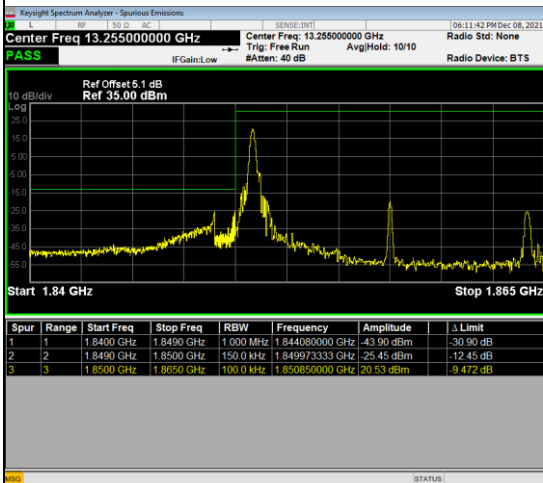
1RB#74

Channel

18675

Channel

19125



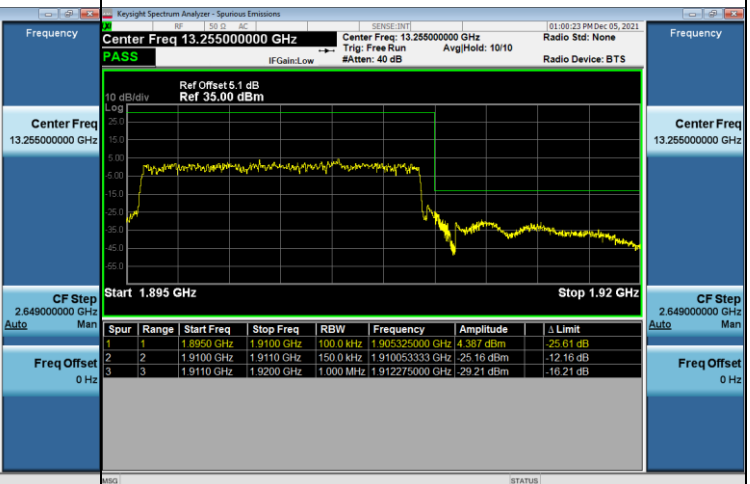
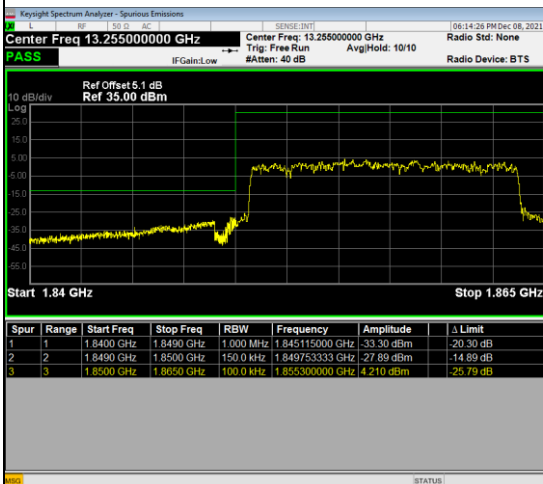
75RB#0

Channel

18675

Channel

19125



LTE Band 2_20MHz Spectrum Plot

1RB#0

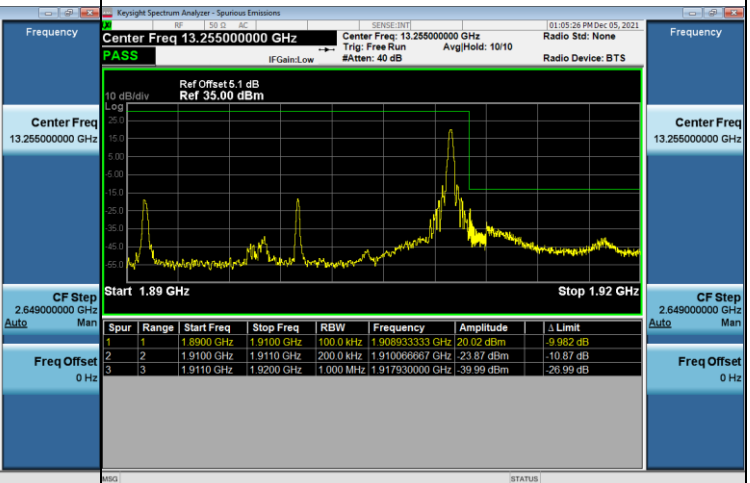
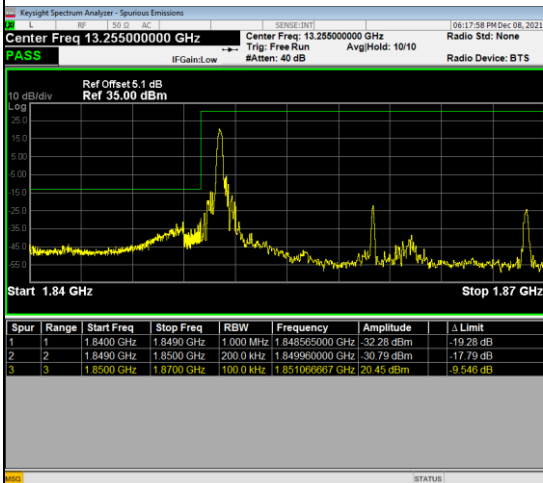
1RB#99

Channel

18700

Channel

19100



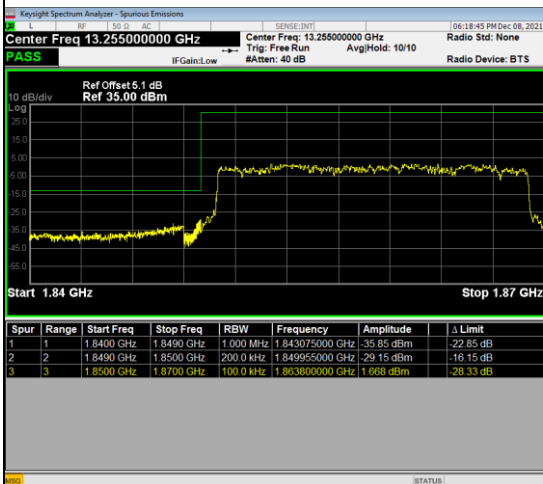
100RB#0

Channel

18700

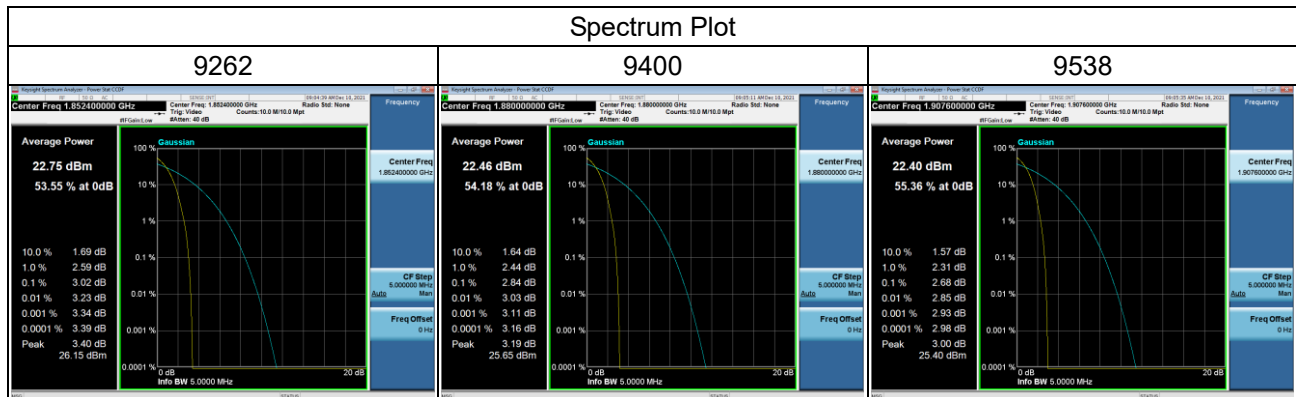
Channel

19100

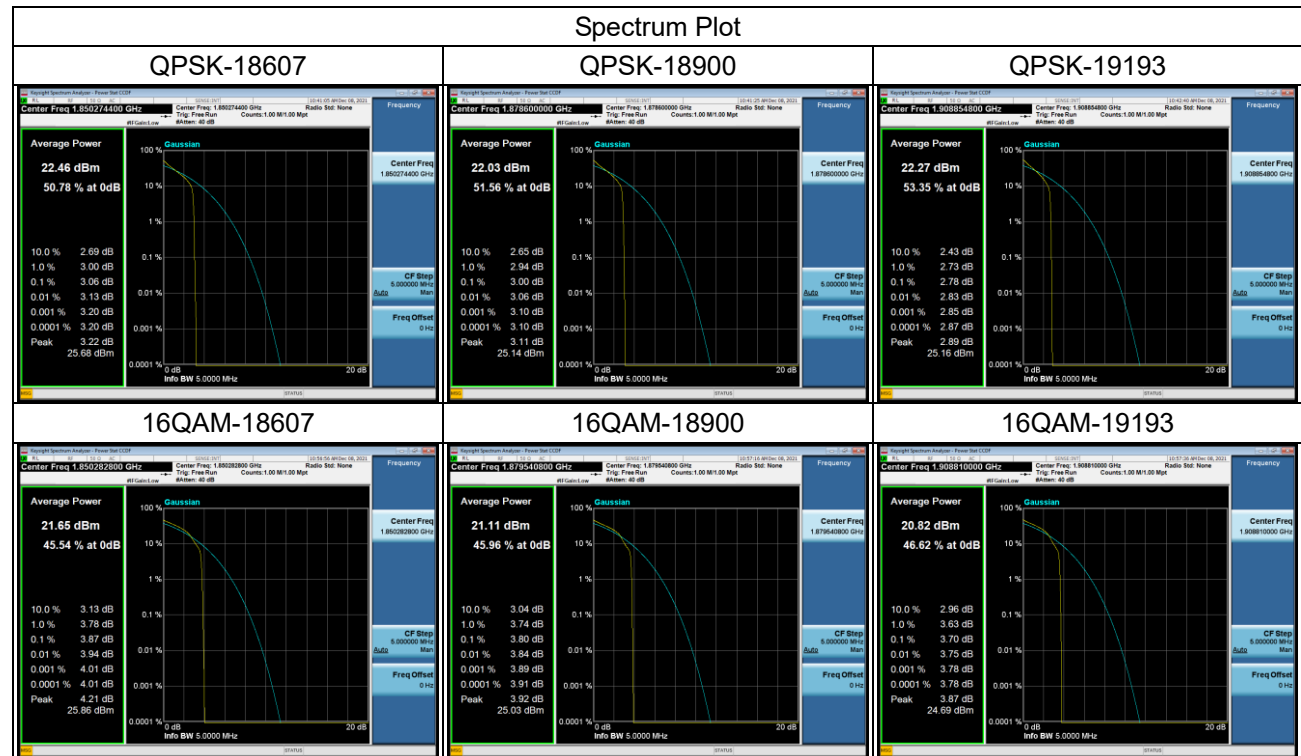


APPENDIX H - PEAK TO AVERAGE RATIO

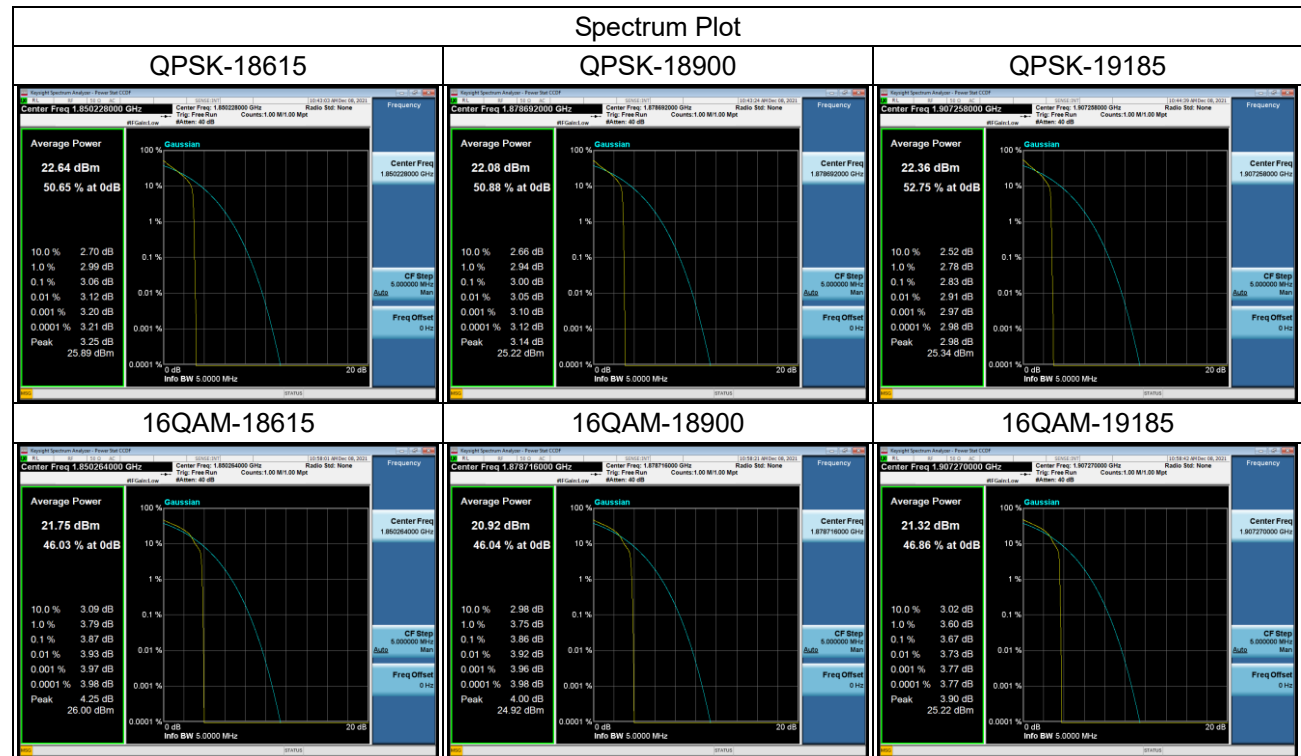
WCDMA Band II_WCDMA				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)	Max. Limit (dB)	Result
		QPSK		
9262	1852.4	3.02	13	Pass
9400	1880	2.84	13	Pass
9538	1907.6	2.68	13	Pass



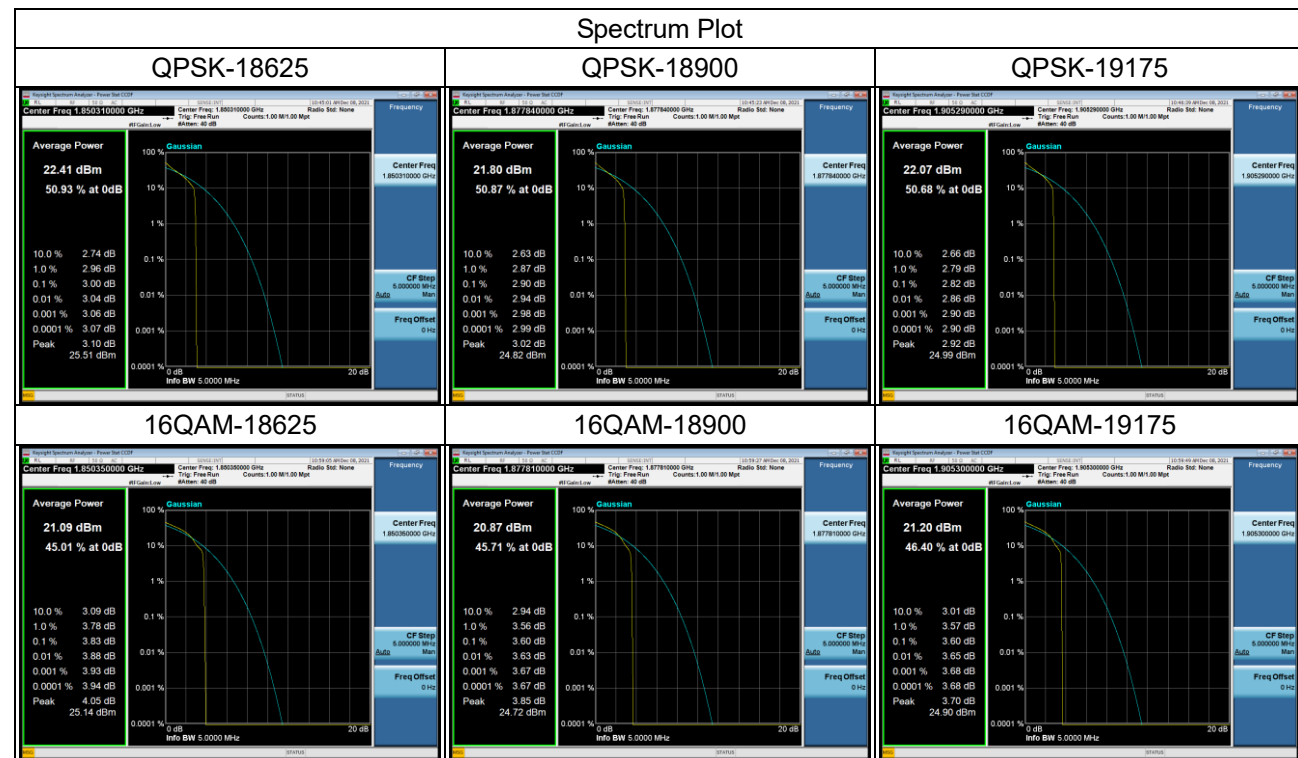
LTE Band 2_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
18607	1850.7	3.06	3.87	13	Pass
18900	1880	3.00	3.80	13	Pass
19193	1909.3	2.78	3.70	13	Pass



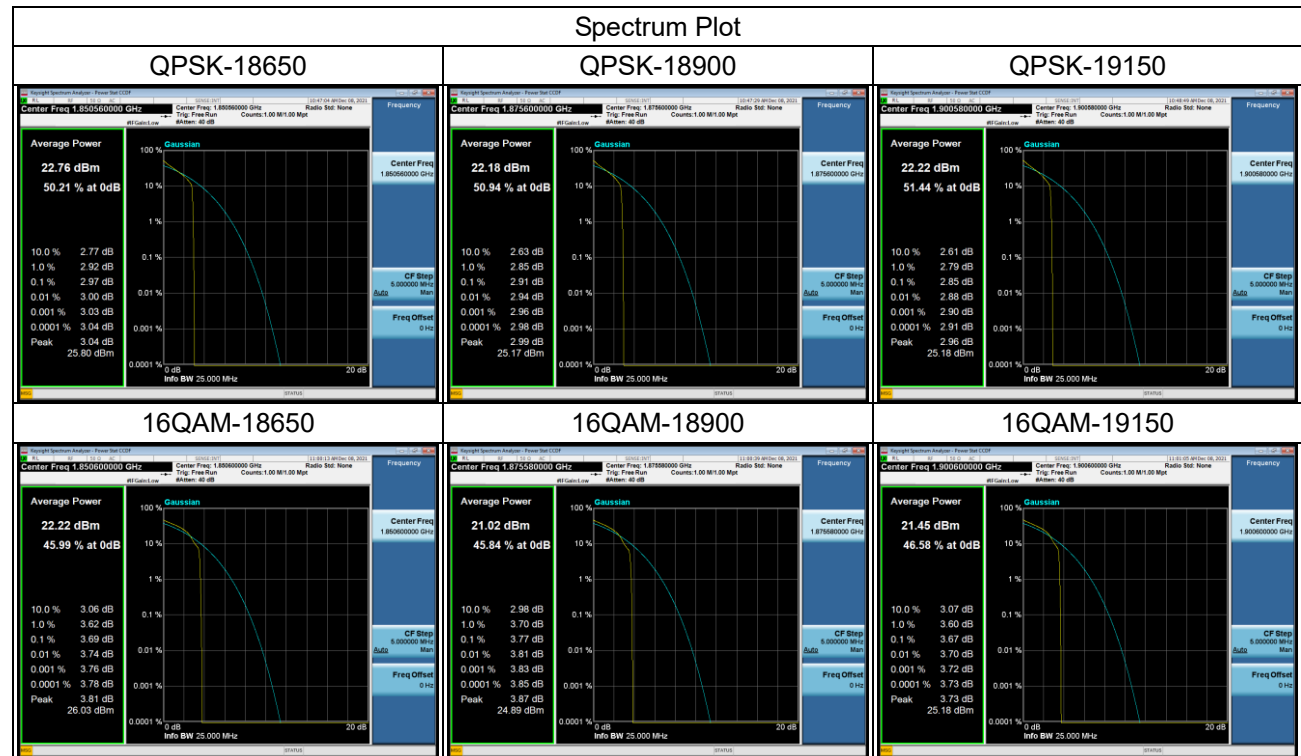
LTE Band 2_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
18615	1851.5	3.06	3.87	13	Pass
18900	1880	3.00	3.86	13	Pass
19185	1908.5	2.83	3.67	13	Pass



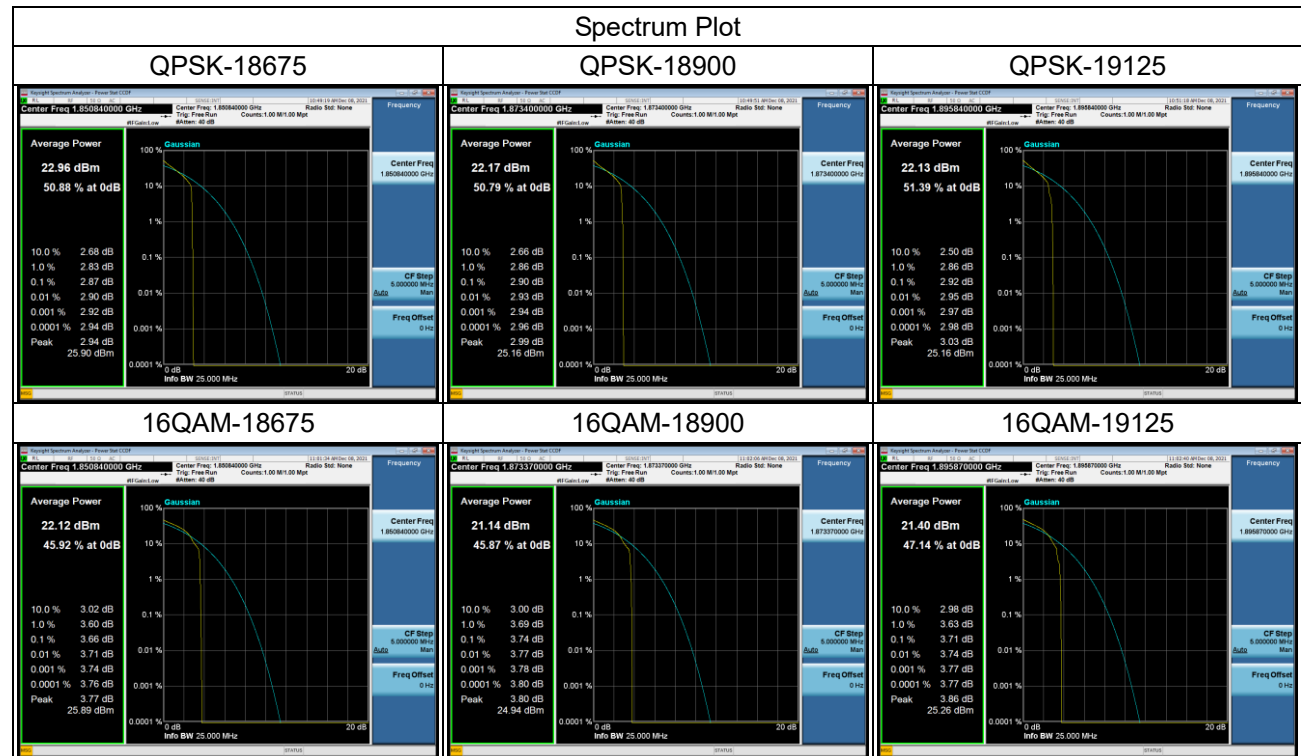
LTE Band 2_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
18625	1852.5	3.00	3.83	13	Pass
18900	1880	2.90	3.60	13	Pass
19175	1907.5	2.82	3.60	13	Pass



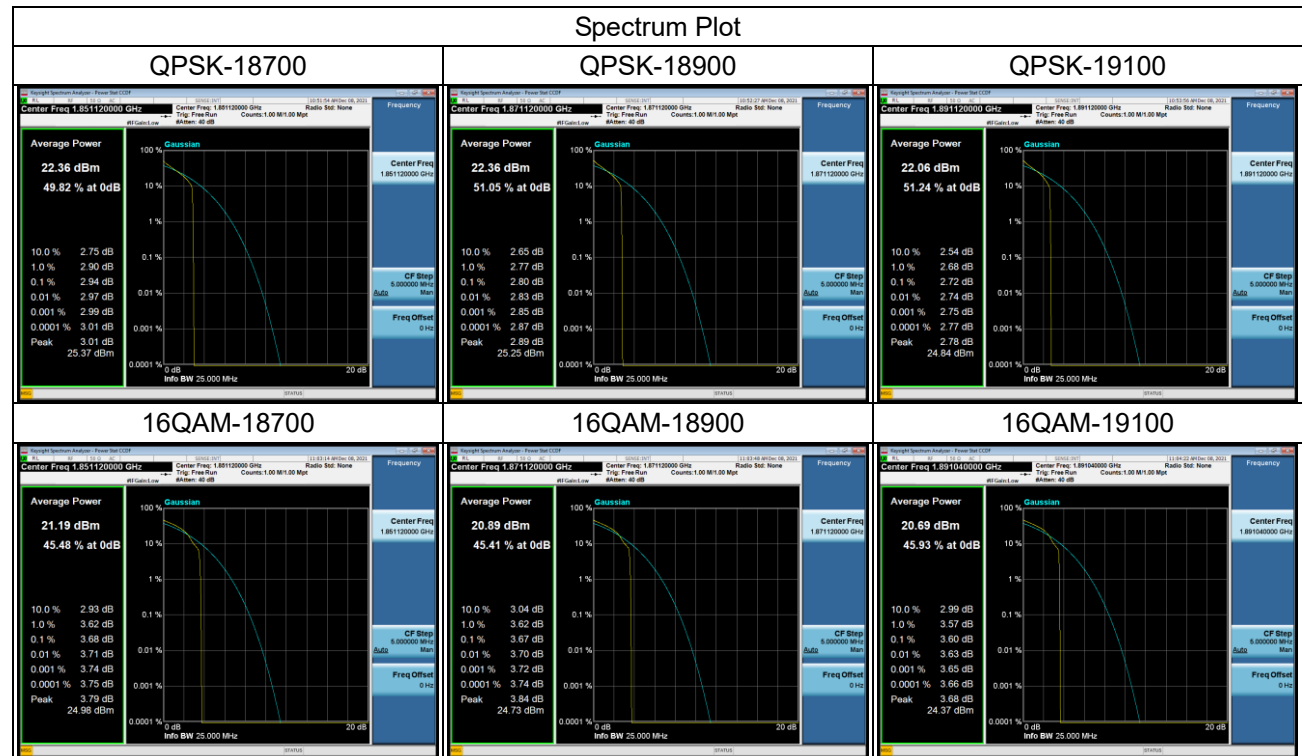
LTE Band 2_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
18650	1855	2.97	3.69	13	Pass
18900	1880	2.91	3.77	13	Pass
19150	1905	2.85	3.67	13	Pass



LTE Band 2_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
18675	1857.5	2.87	3.66	13	Pass
18900	1880	2.90	3.74	13	Pass
19125	1902.5	2.92	3.71	13	Pass



LTE Band 2_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
18700	1860	2.94	3.68	13	Pass
18900	1880	2.80	3.67	13	Pass
19100	1900	2.72	3.60	13	Pass



APPENDIX I - FREQUENCY STABILITY

Test Mode	WCDMA Band II
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit: 1850 Reference point -13dBm	High channel limit: 1910 Reference point -13dBm	Record only
50	1850.030000	1909.910000	-47.1204188
40	1850.030000	1909.910000	-47.1204188
30	1850.030000	1909.910000	-47.1204188
20	1850.030000	1909.910000	-47.1204188
10	1850.030000	1909.910000	-47.1204188
0	1850.030000	1909.910000	-47.1204188
-10	1850.030000	1909.910000	-47.1204188
-20	1850.030000	1909.910000	-47.1204188
-30	1850.030000	1909.910000	-47.1204188
Minimum voltage	1850.030000	1909.910000	-47.1204188
Maximum voltage	1850.030000	1909.910000	-47.1204188
Nominal voltage	1850.030000	1909.910000	-47.1204188

Note: Nominal voltage= 3.8V, Maximum voltage= 4.3V, Minimum voltage= 3.3V.

Test Mode	LTE Band 2 _20MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:1850 Reference point -13dBm	High channel limit:1910 Reference point -13dBm	Record only
50	1850.350000	1909.700000	189.1891892
40	1850.350000	1909.700000	189.1891892
30	1850.350000	1909.700000	189.1891892
20	1850.350000	1909.700000	189.1891892
10	1850.350000	1909.700000	189.1891892
0	1850.350000	1909.700000	189.1891892
-10	1850.350000	1909.700000	189.1891892
-20	1850.350000	1909.700000	189.1891892
-30	1850.350000	1909.700000	189.1891892
Minimum voltage	1850.350000	1909.700000	189.1891892
Maximum voltage	1850.350000	1909.700000	189.1891892
Nominal voltage	1850.350000	1909.700000	189.1891892

Note: Nominal voltage= 3.8V, Maximum voltage= 4.3V, Minimum voltage= 3.3V.

End of Test Report