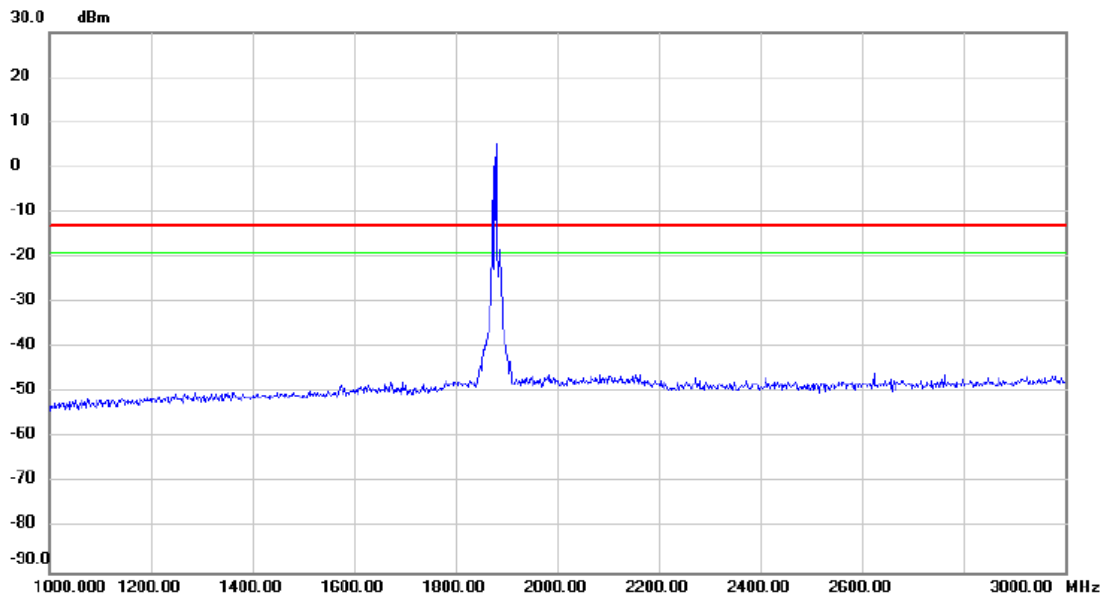


APPENDIX C - RADIATED EMISSION (ABOVE 1GHZ)

Test Mode: PCS1900_TX CH661_GSM

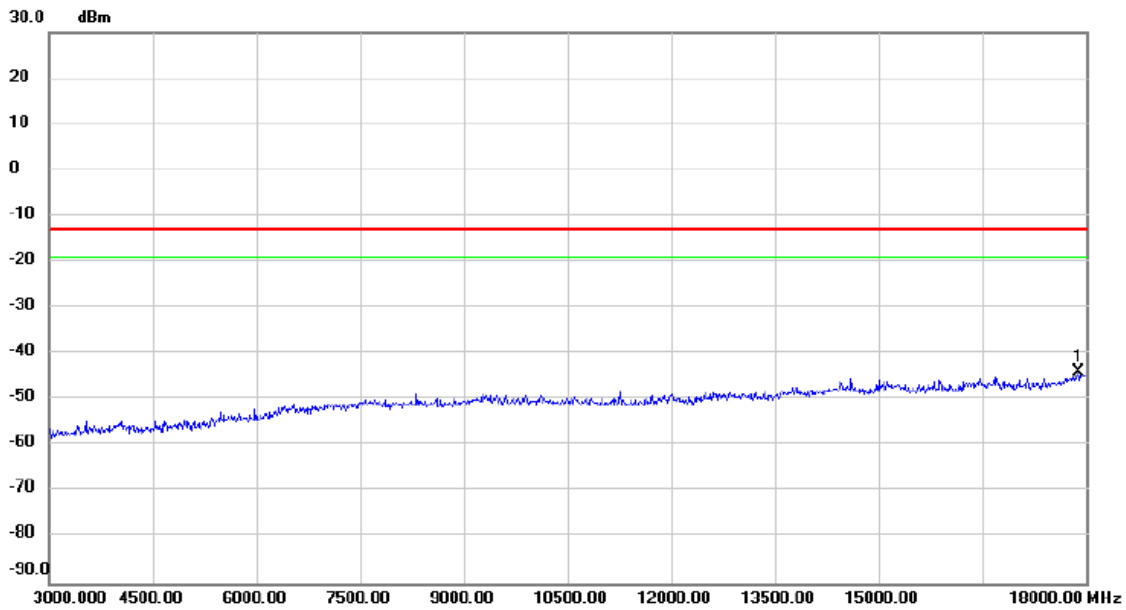
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1850.00	5.00	0.00	5.00	-13.00	18.00		

Test Mode: PCS1900_TX CH661_GSM

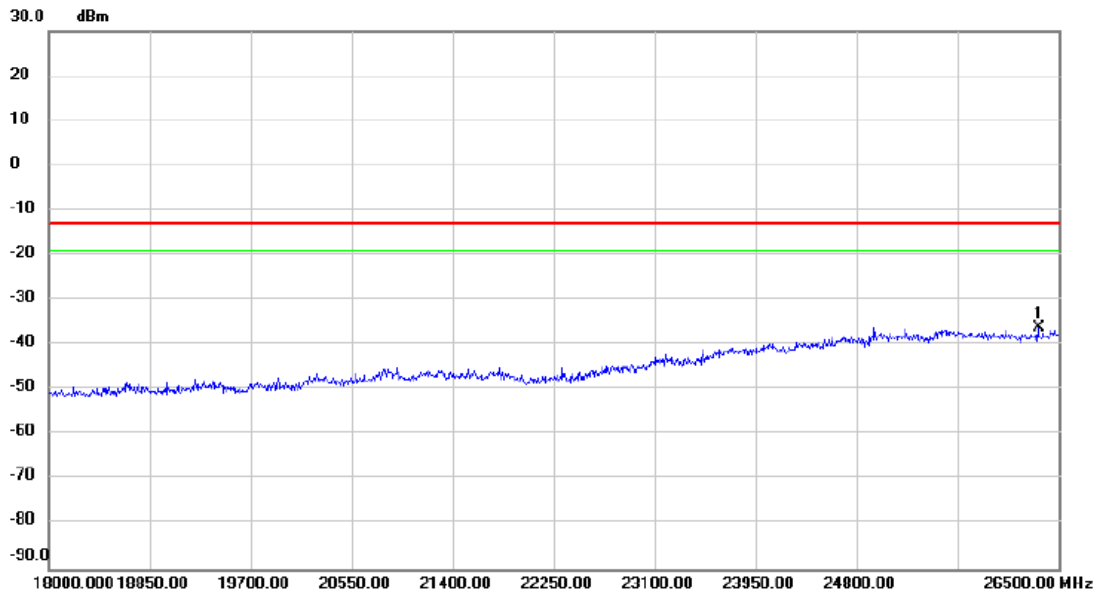
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	17880.000	-63.07	19.06	-44.01	-13.00	-31.01	peak	

Test Mode: PCS1900_TX CH661_GSM

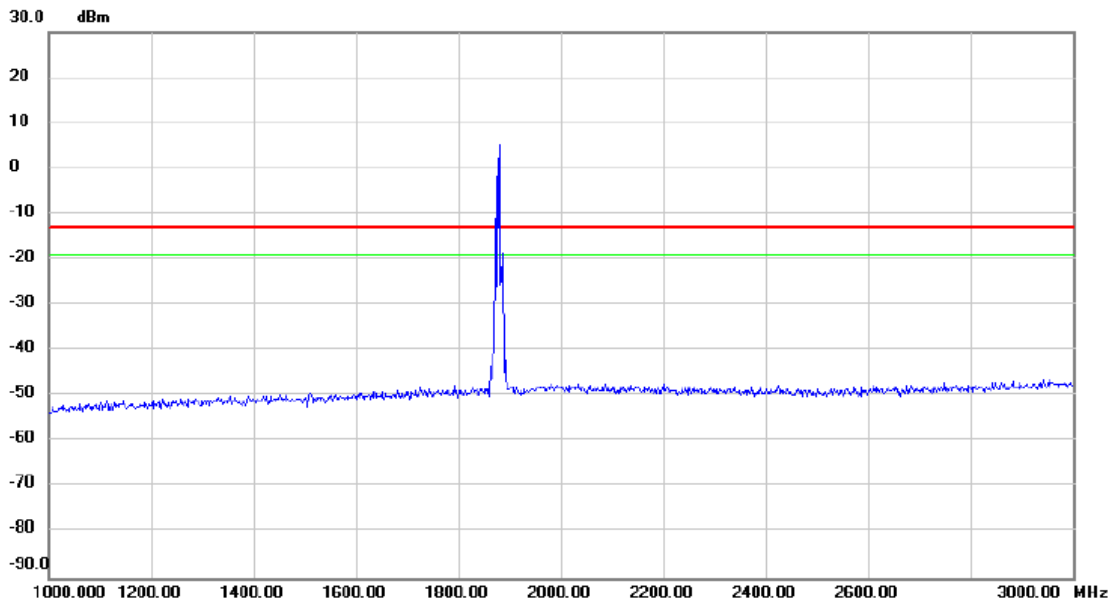
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	26330.000	-63.28	27.11	-36.17	-13.00	-23.17	peak	

Test Mode: PCS1900_TX CH661_GSM

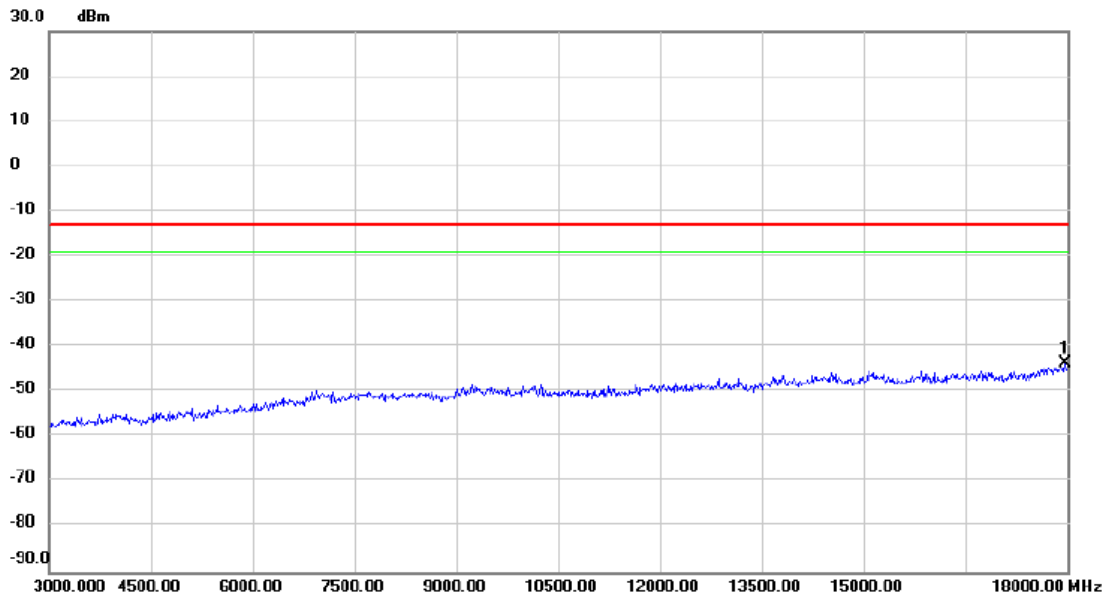
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1900.00	5.00	0.00	5.00	-15.00	-20.00		

Test Mode: PCS1900_TX CH661_GSM

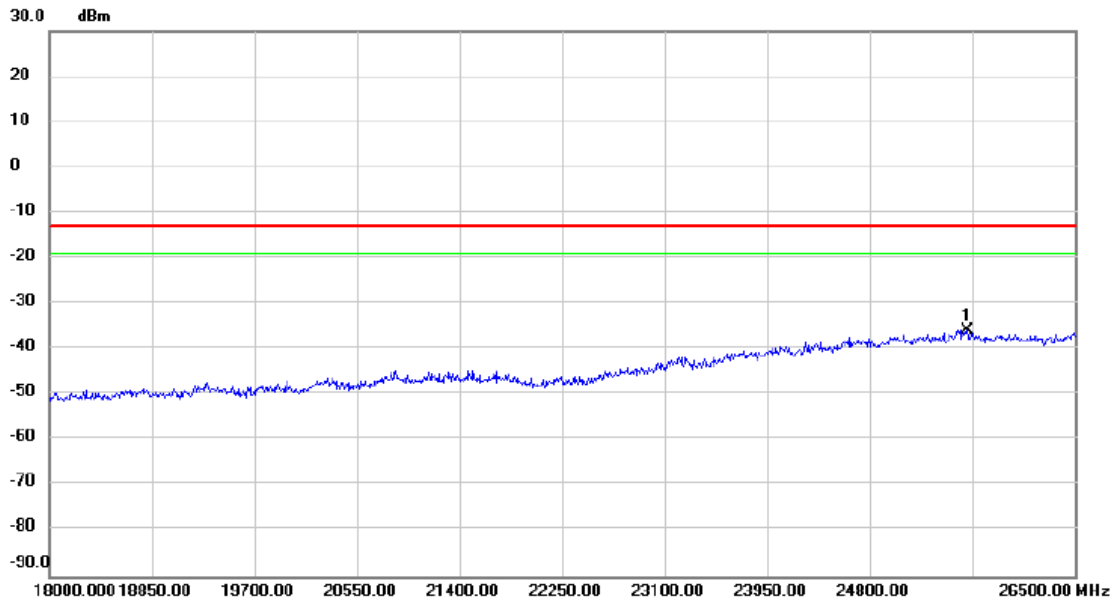
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	17962.500	-62.85	19.27	-43.58	-13.00	-30.58	peak	

Test Mode: PCS1900_TX CH661_GSM

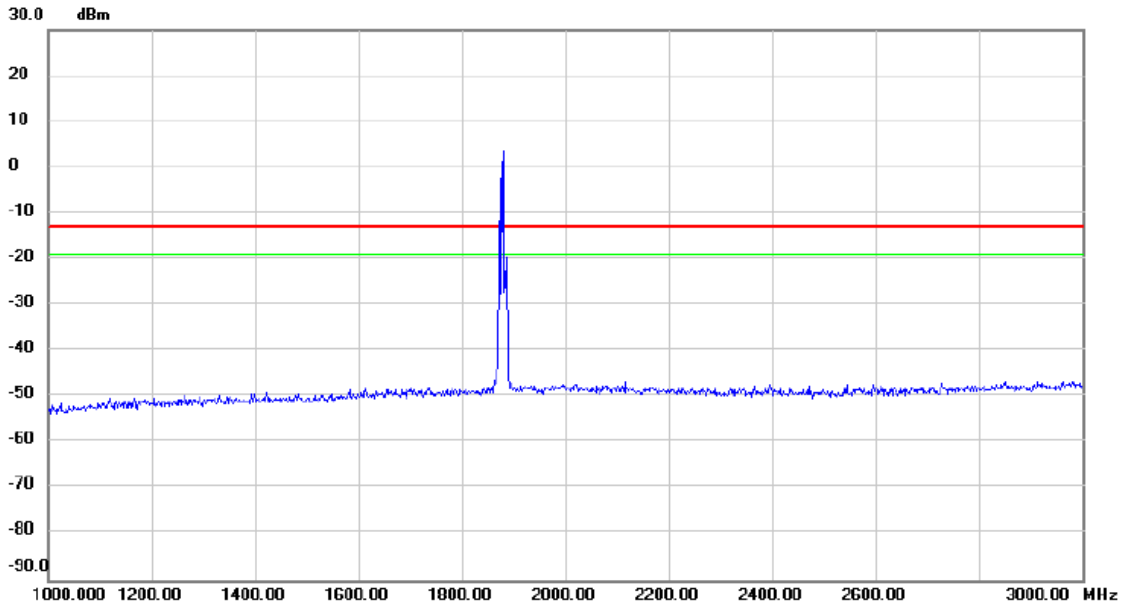
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	25607.500	-62.60	26.73	-35.87	-13.00	-22.87	peak	

Test Mode: PCS1900_TX CH661_EDGE

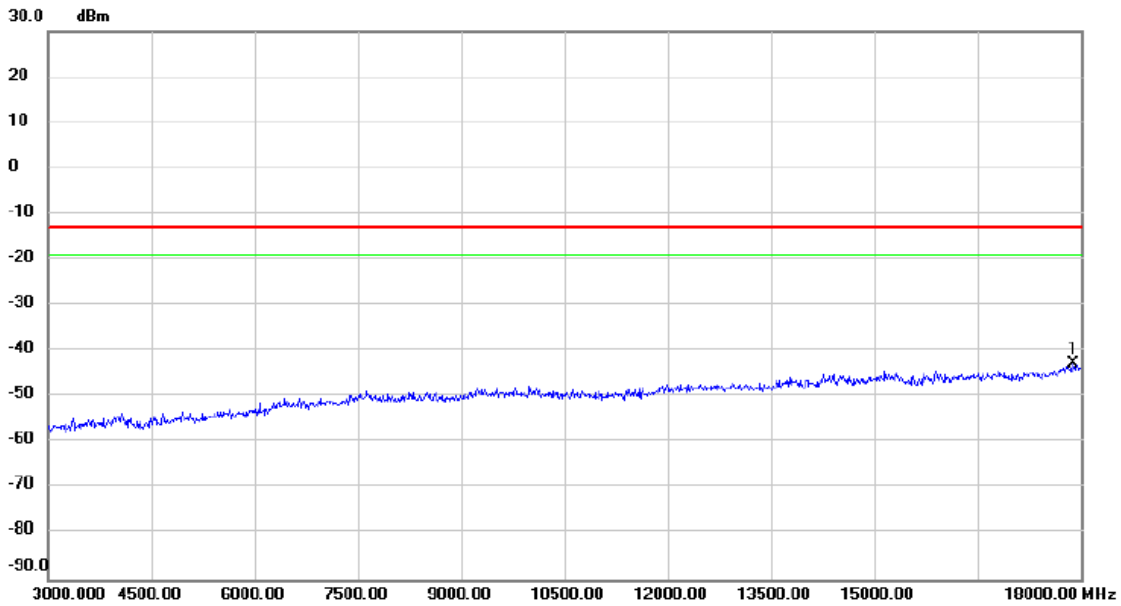
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1900.00	5.00	0.00	5.00	-15.00	-20.00		

Test Mode: PCS1900_TX CH661_EDGE

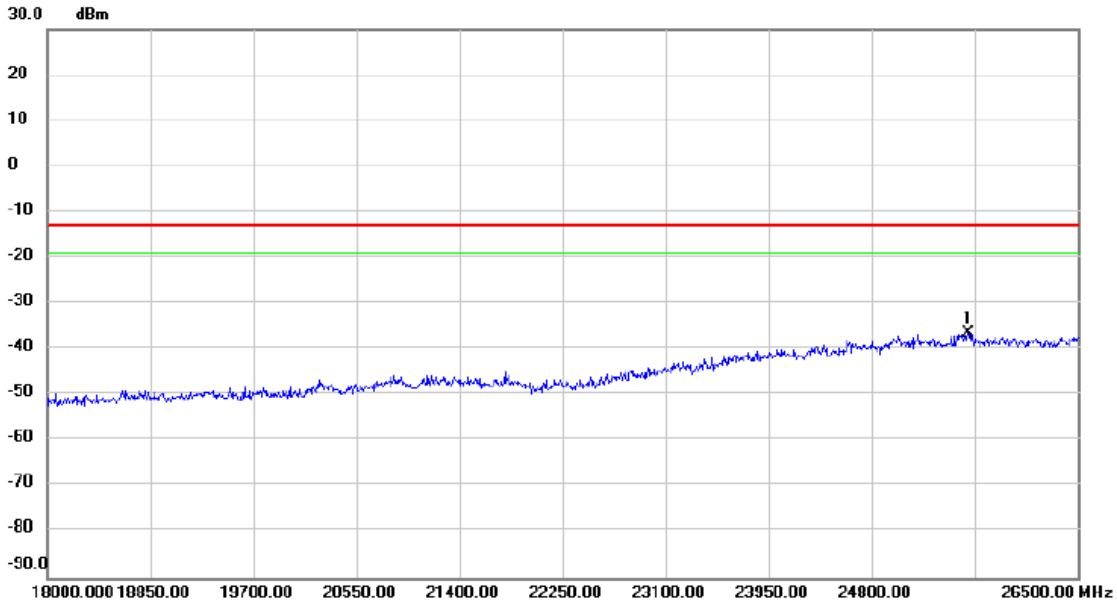
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	17887.500	-61.91	19.08	-42.83	-13.00	-29.83	peak	

Test Mode: PCS1900_TX CH661_EDGE

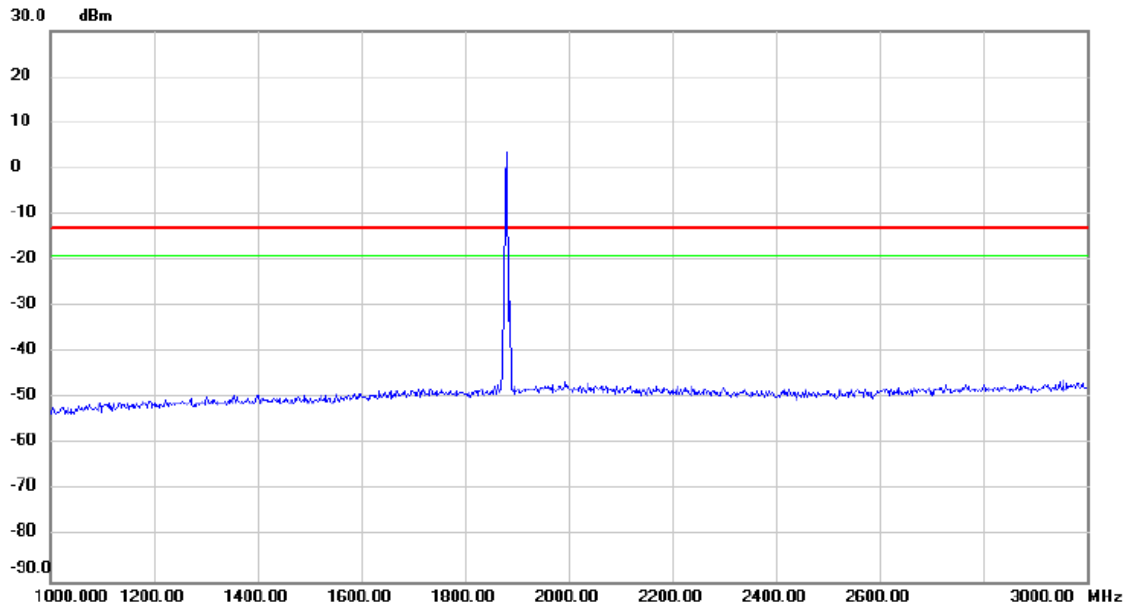
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	25599.000	-63.17	26.73	-36.44	-13.00	-23.44	peak	

Test Mode: PCS1900_TX CH661_EDGE

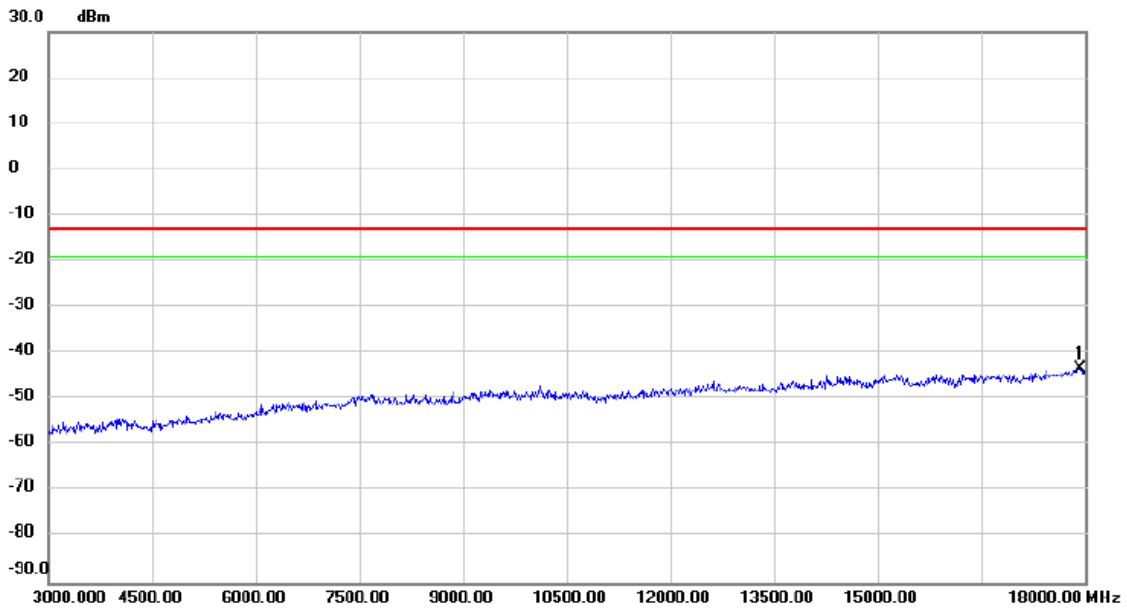
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment

Test Mode: PCS1900_TX CH661_EDGE

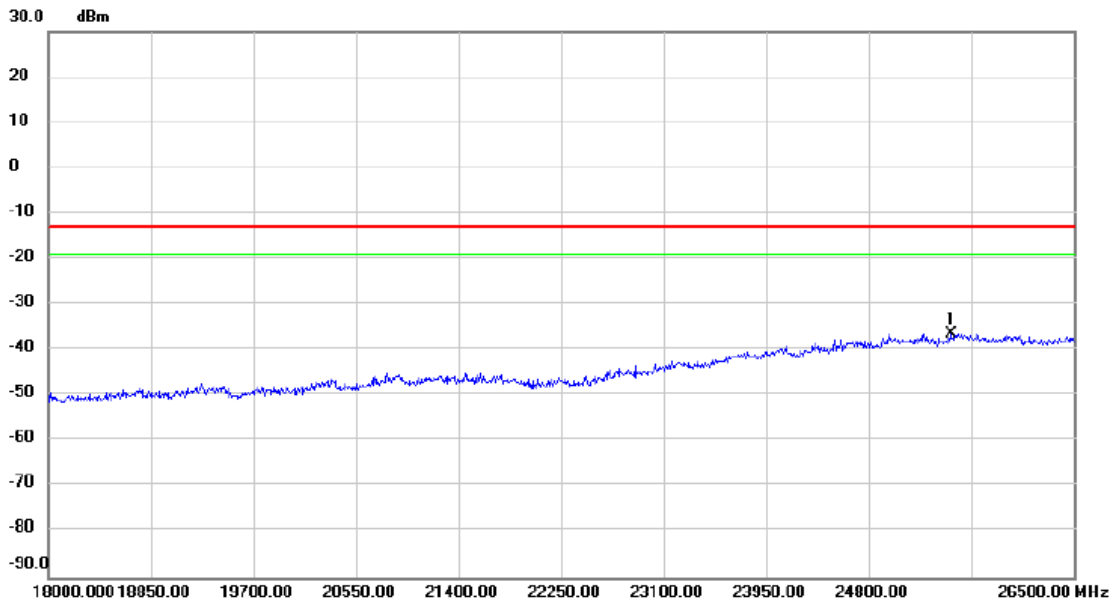
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	17932.500	-62.49	19.19	-43.30	-13.00	-30.30	peak	

Test Mode: PCS1900_TX CH661_EDGE

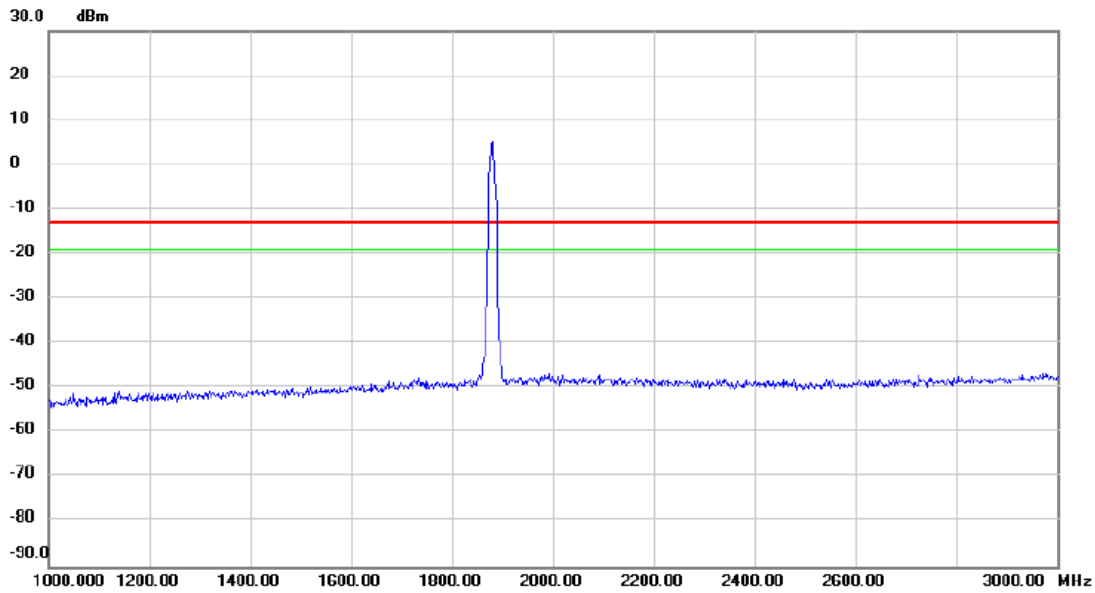
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	25480.000	-63.14	26.68	-36.46	-13.00	-23.46	peak	

Test Mode: WCDMA Band II_TX CH9400

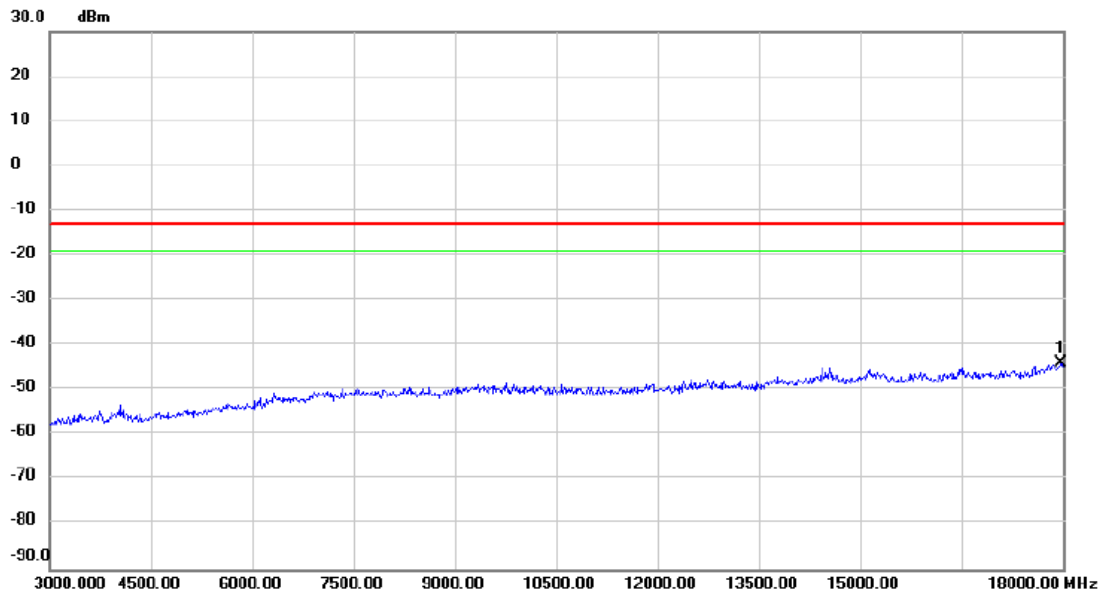
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1800.00	5.00	0.00	5.00	-15.00	20.00		

Test Mode: WCDMA Band II_TX CH9400

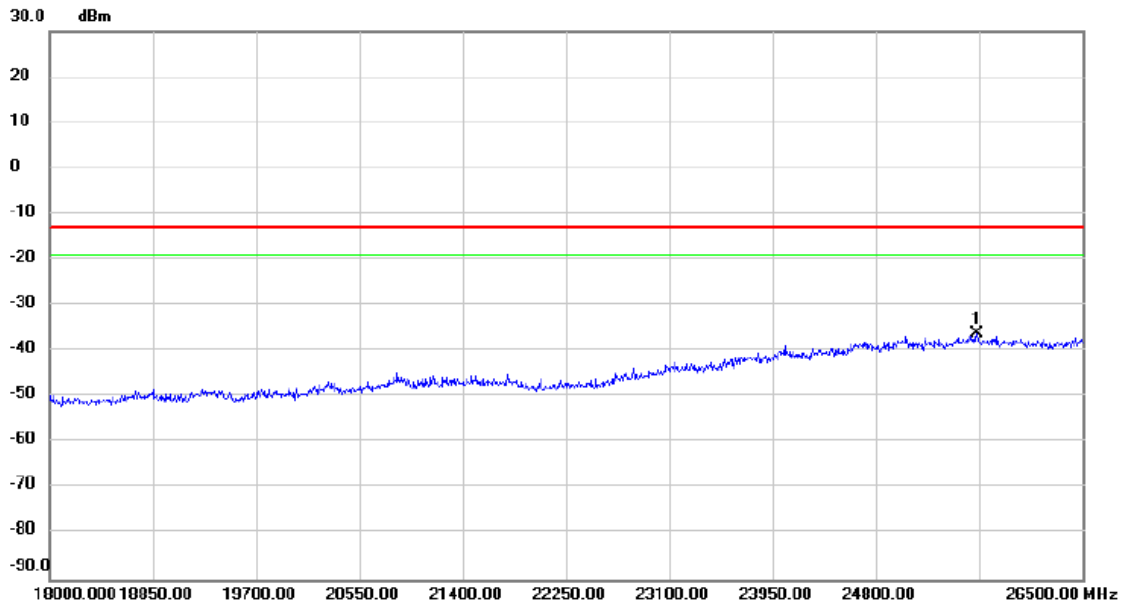
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	17970.000	-63.20	19.30	-43.90	-13.00	-30.90	peak	

Test Mode: WCDMA Band II_TX CH9400

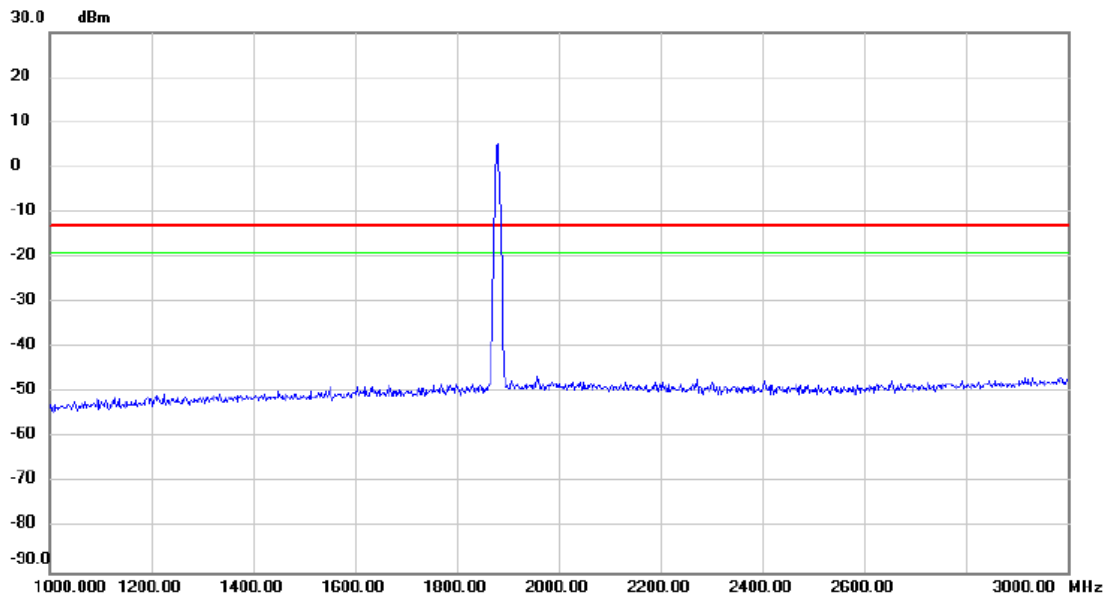
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	25633.000	-62.99	26.74	-36.25	-13.00	-23.25	peak	

Test Mode: WCDMA Band II_TX CH9400

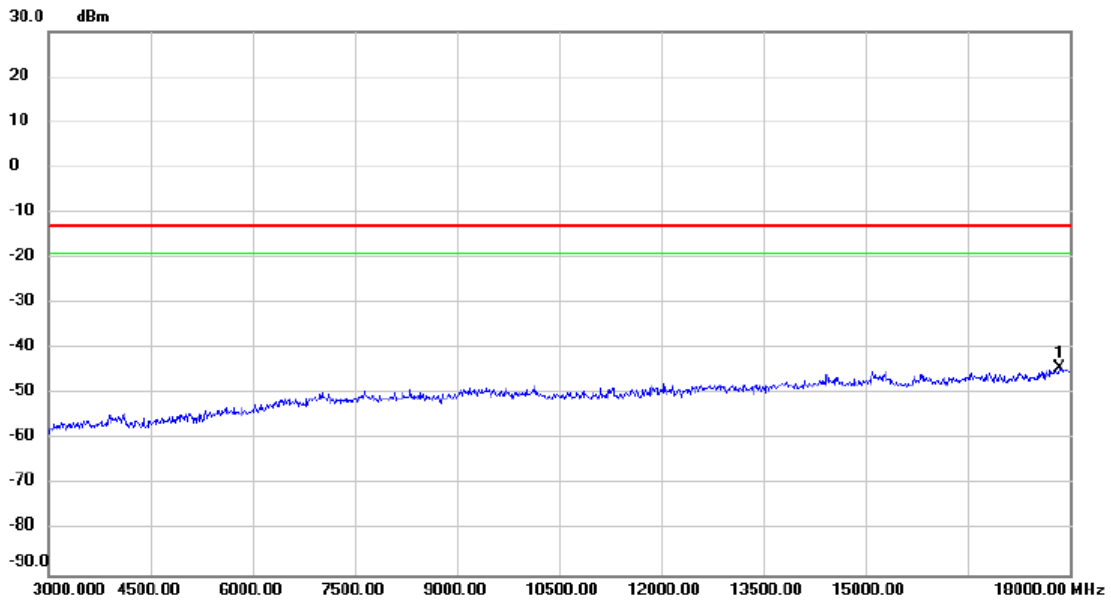
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1930.00	~5	0	~5	-13	~18		

Test Mode: WCDMA Band II_TX CH9400

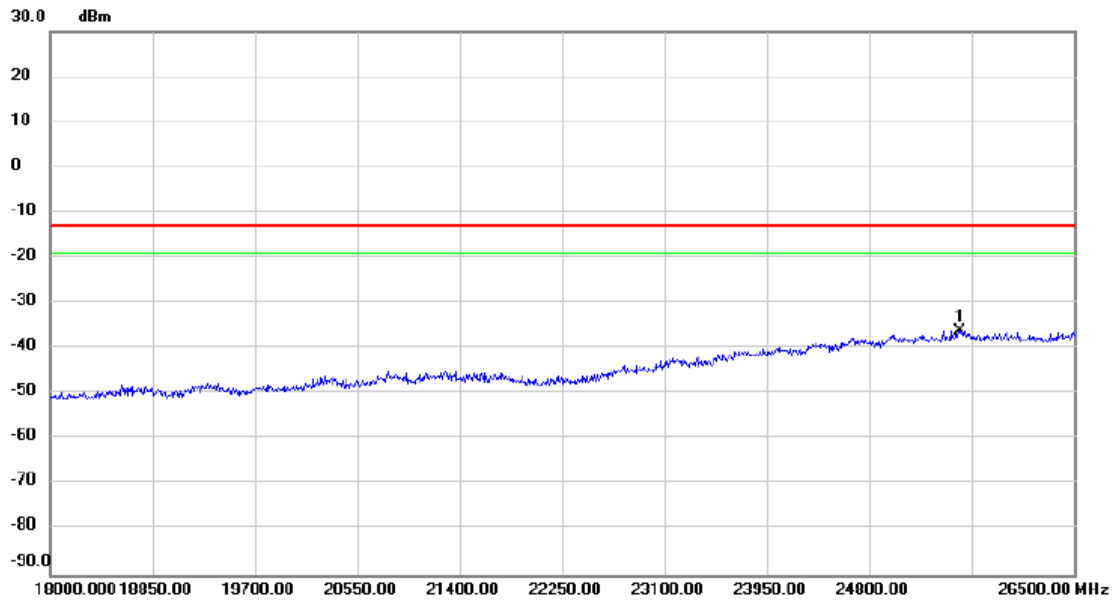
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	17850.000	-63.22	18.99	-44.23	-13.00	-31.23	peak	

Test Mode: WCDMA Band II_TX CH9400

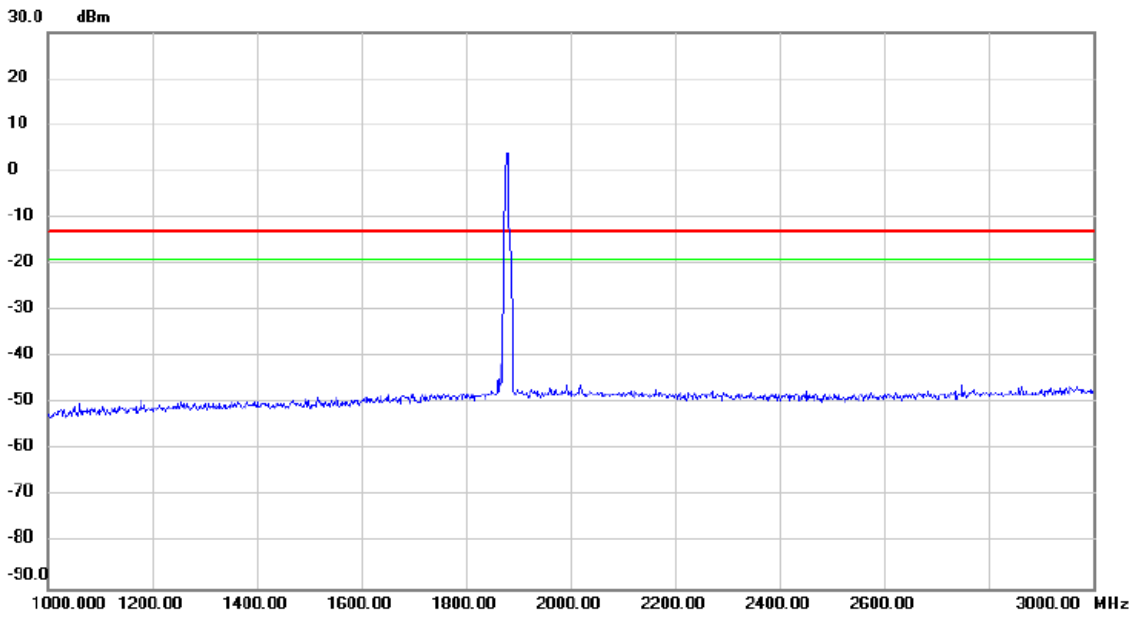
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	25556.500	-62.75	26.71	-36.04	-13.00	-23.04	peak	

Test Mode: LTE Band 2_TX CH18900_1.4M

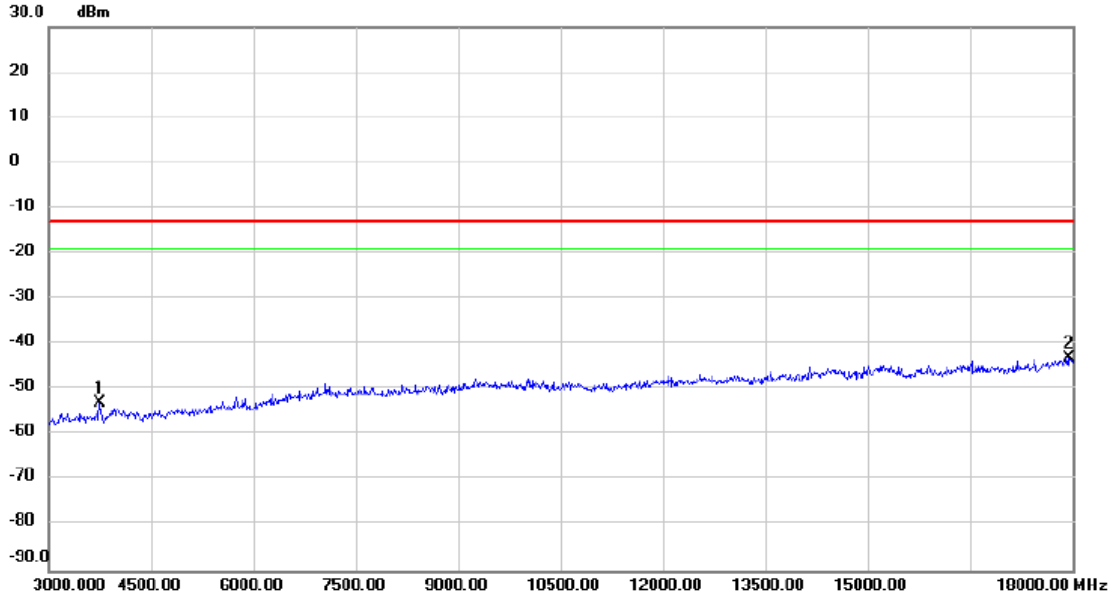
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
		1890.000	~5	0	~5	~-12	~17		

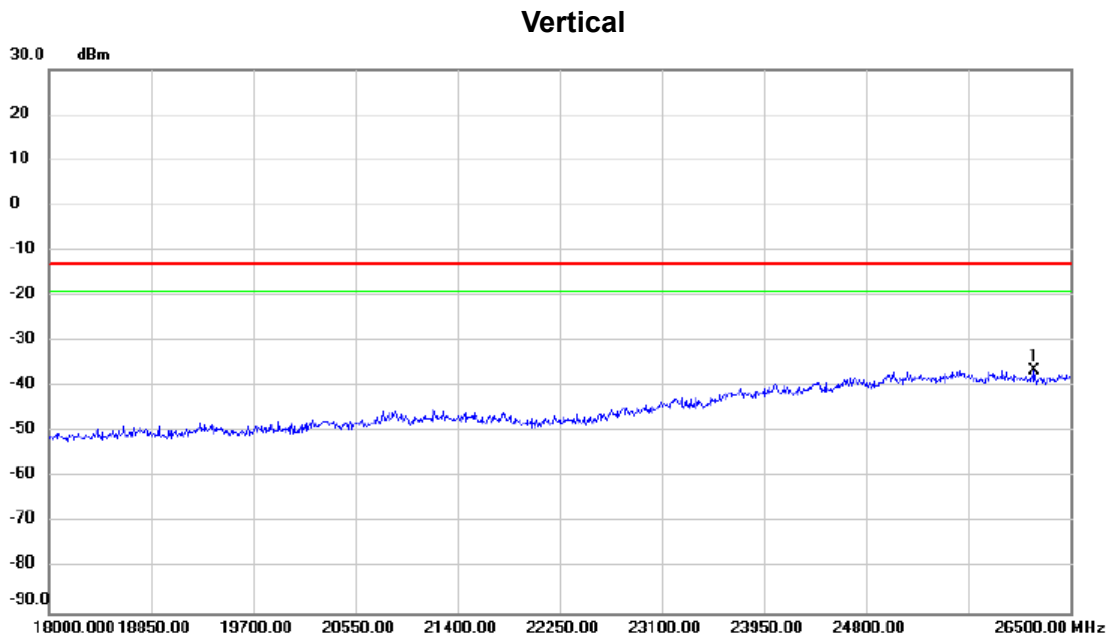
Test Mode: LTE Band 2_TX CH18900_1.4M

Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		3757.500	-54.69	1.71	-52.98	-13.00	-39.98	peak	
2	*	17955.000	-62.25	19.26	-42.99	-13.00	-29.99	peak	

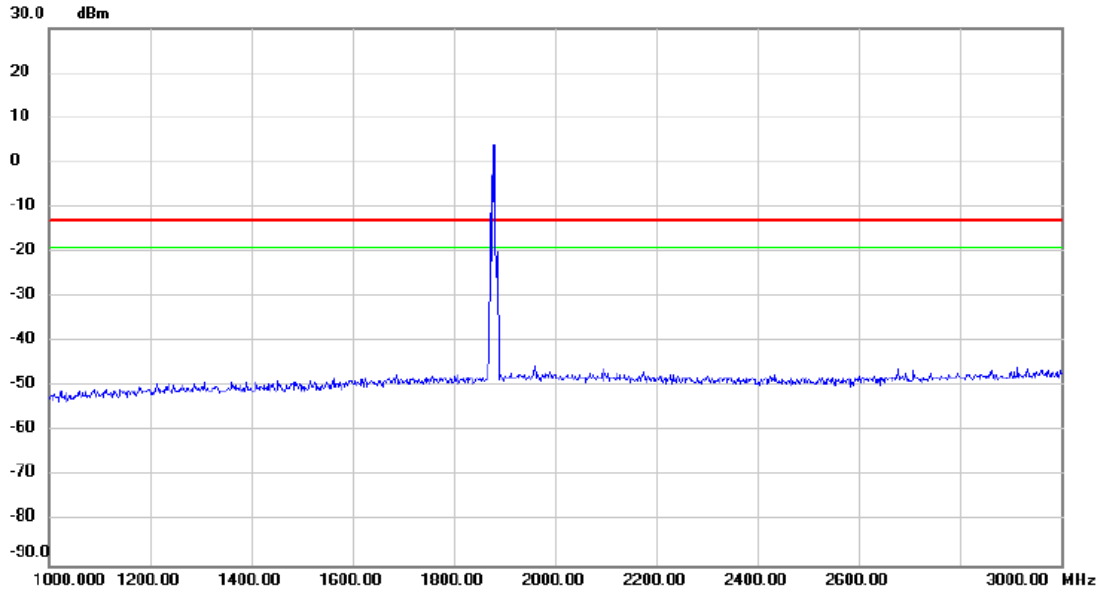
Test Mode: LTE Band 2_TX CH18900_1.4M



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	26202.500	-63.35	27.01	-36.34	-13.00	-23.34	peak	

Test Mode: LTE Band 2_TX CH18900_1.4M

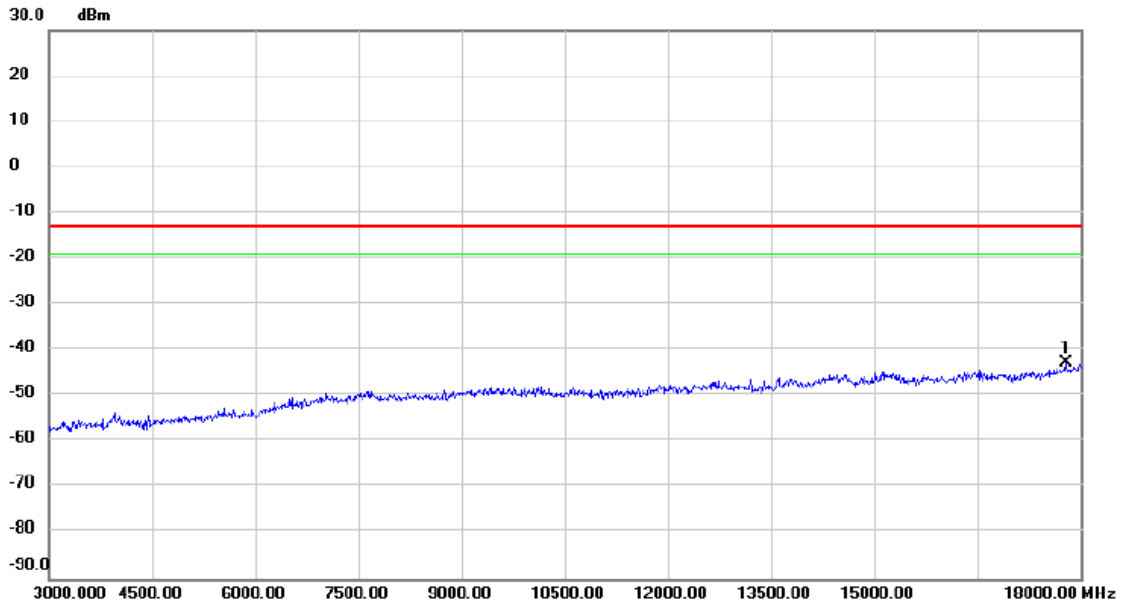
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1890.00	~5	0	~5	-15	-10		

Test Mode: LTE Band 2_TX CH18900_1.4M

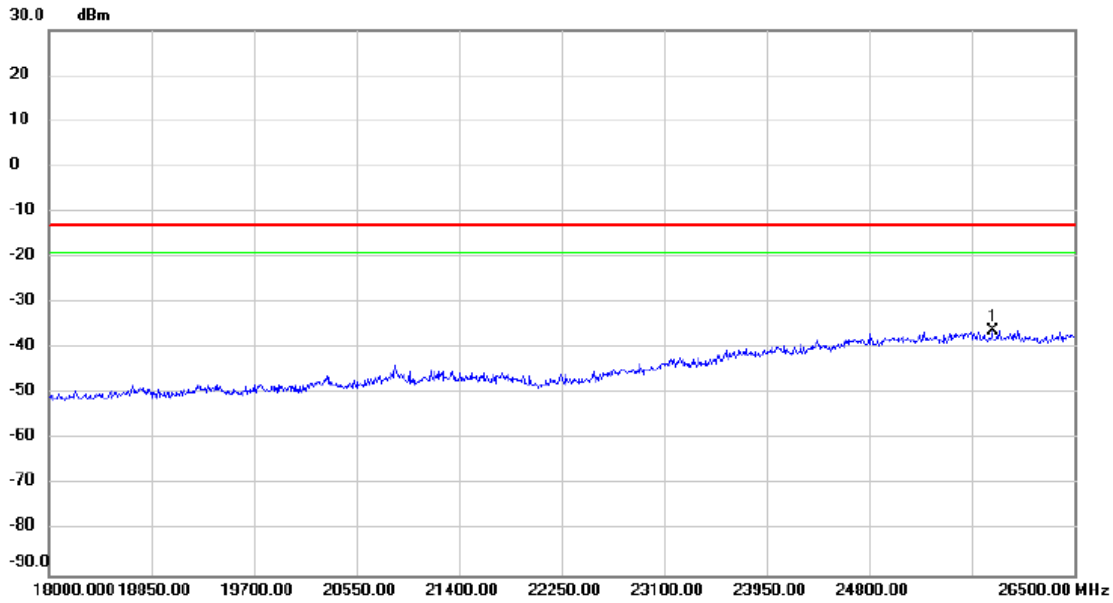
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	17782.500	-61.66	18.81	-42.85	-13.00	-29.85	peak	

Test Mode: LTE Band 2_TX CH18900_1.4M

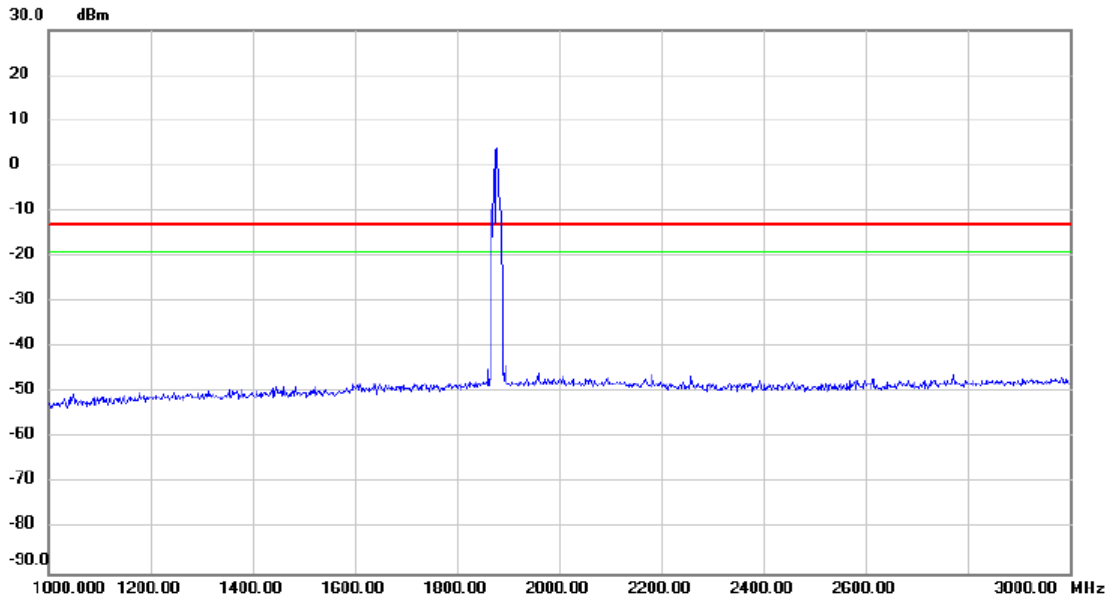
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	25820.000	-62.88	26.80	-36.08	-13.00	-23.08	peak	

Test Mode: LTE Band 2_ TX CH18900_5M

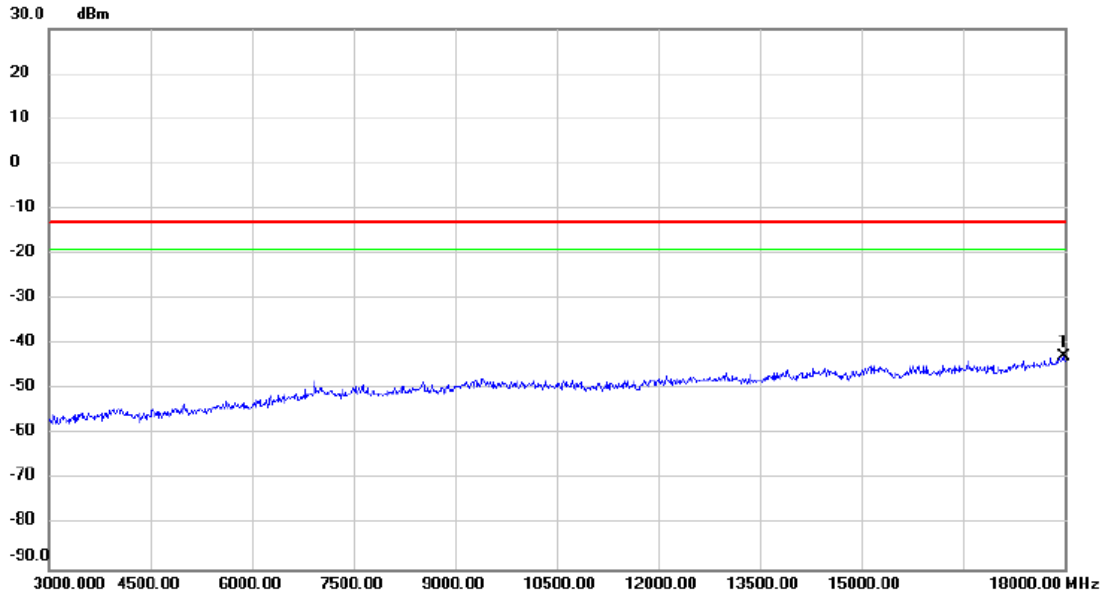
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1890.000	~5	0	~5	-15	20		

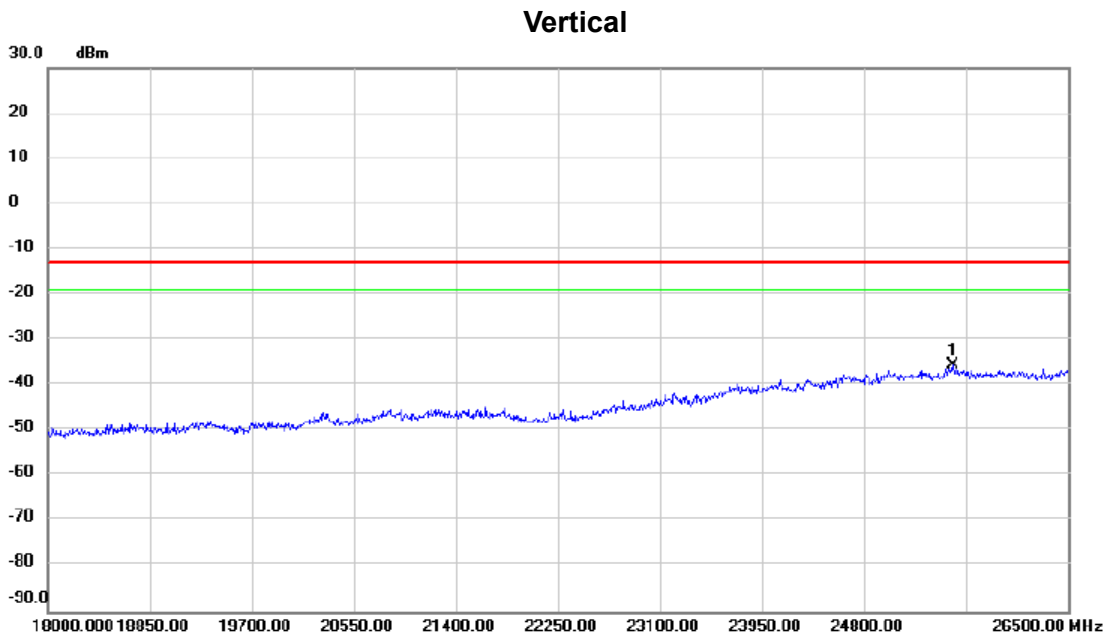
Test Mode: LTE Band 2_ TX CH18900_5M

Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	17992.500	-62.24	19.35	-42.89	-13.00	-29.89	peak	

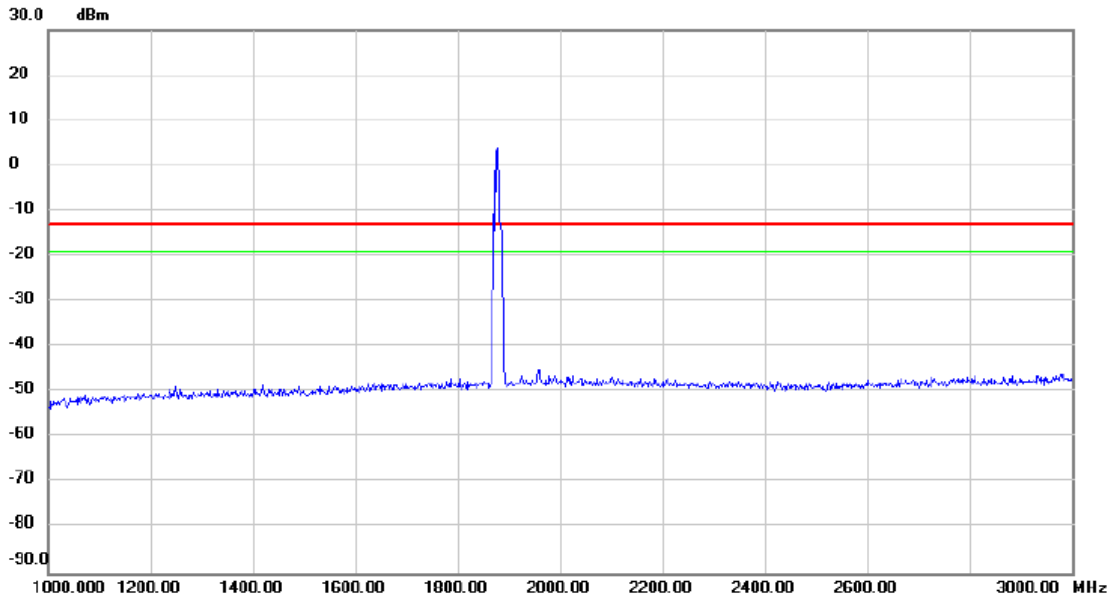
Test Mode: LTE Band 2_ TX CH18900_5M



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	25539.500	-62.12	26.71	-35.41	-13.00	-22.41	peak	

Test Mode: LTE Band 2_ TX CH18900_5M

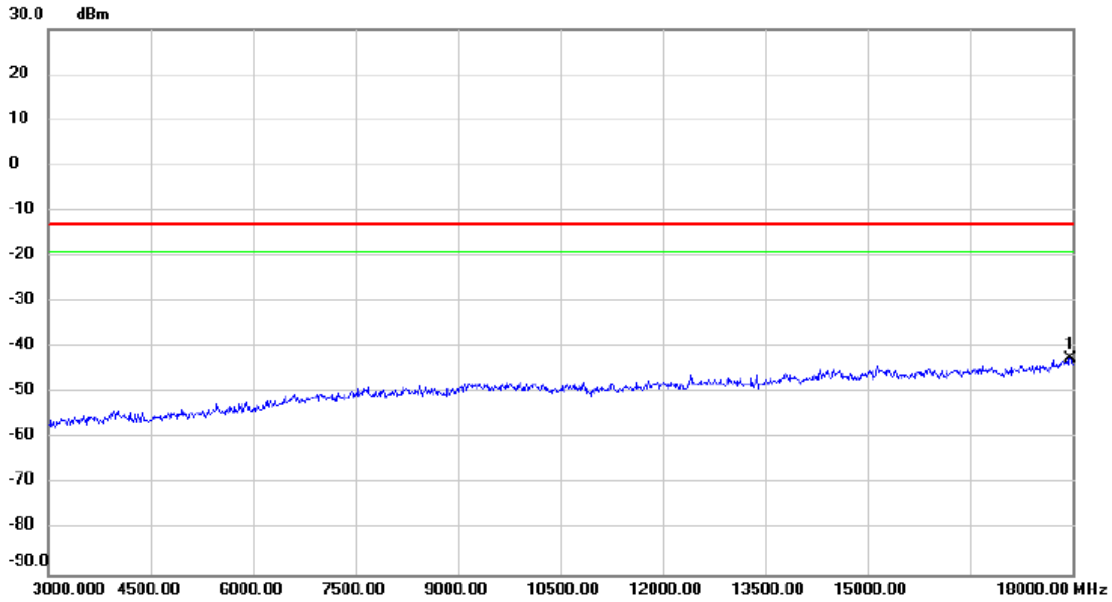
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1900.00	0.00	0.00	0.00	-15.00	15.00		

Test Mode: LTE Band 2_ TX CH18900_5M

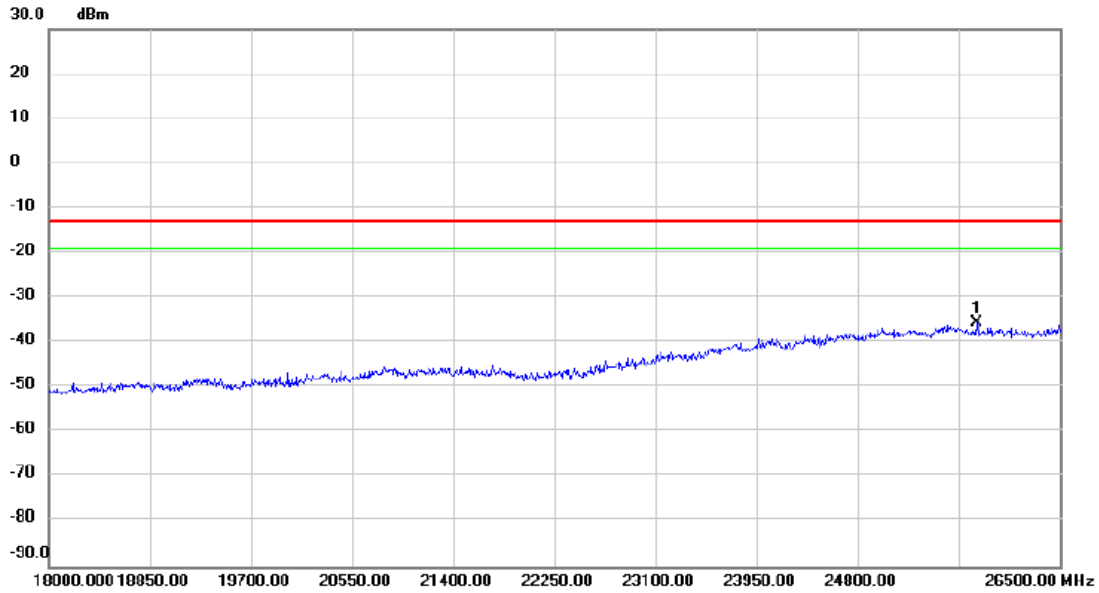
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	17970.000	-61.67	19.30	-42.37	-13.00	-29.37	peak	

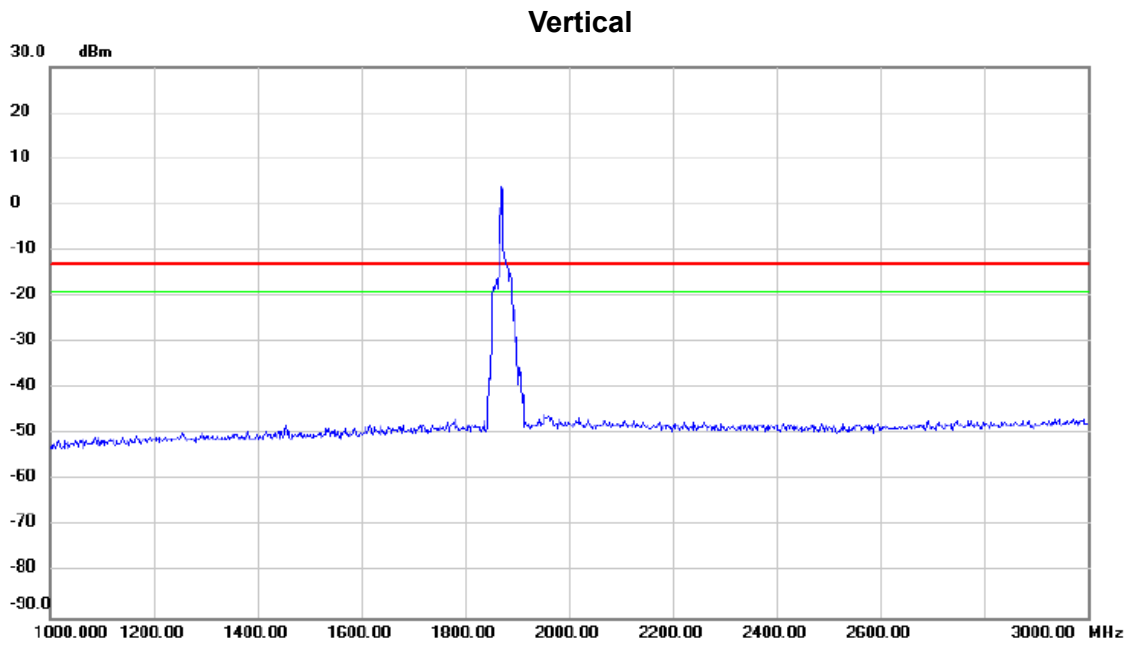
Test Mode: LTE Band 2_ TX CH18900_5M

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	25803.000	-62.27	26.79	-35.48	-13.00	-22.48	peak	

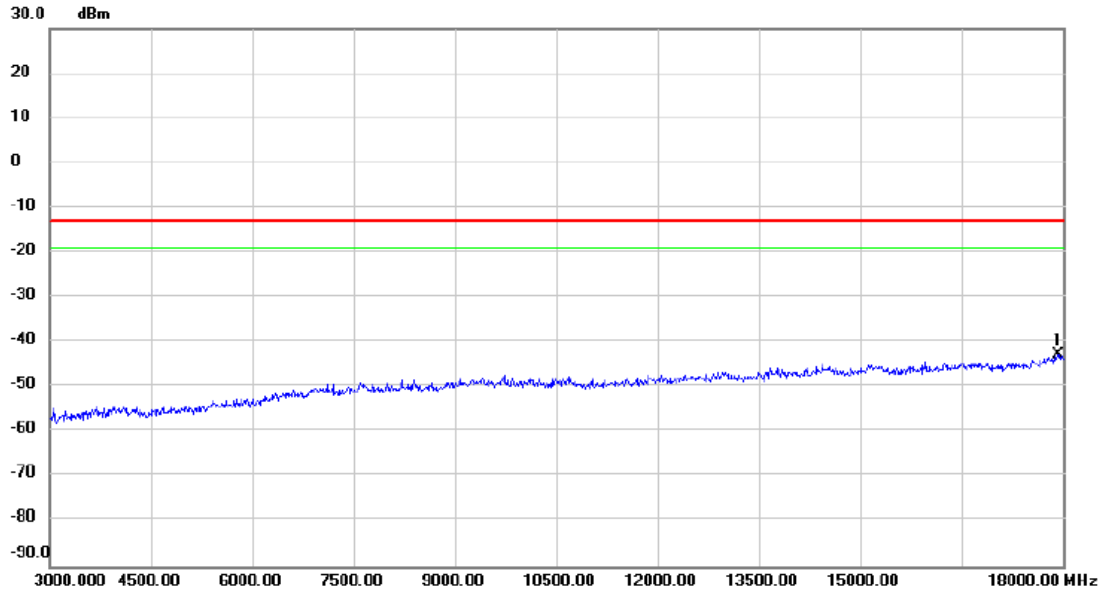
Test Mode: LTE Band 2_TX CH18900_20M



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1900.00	5.00	0.00	5.00	-15.00	-20.00		

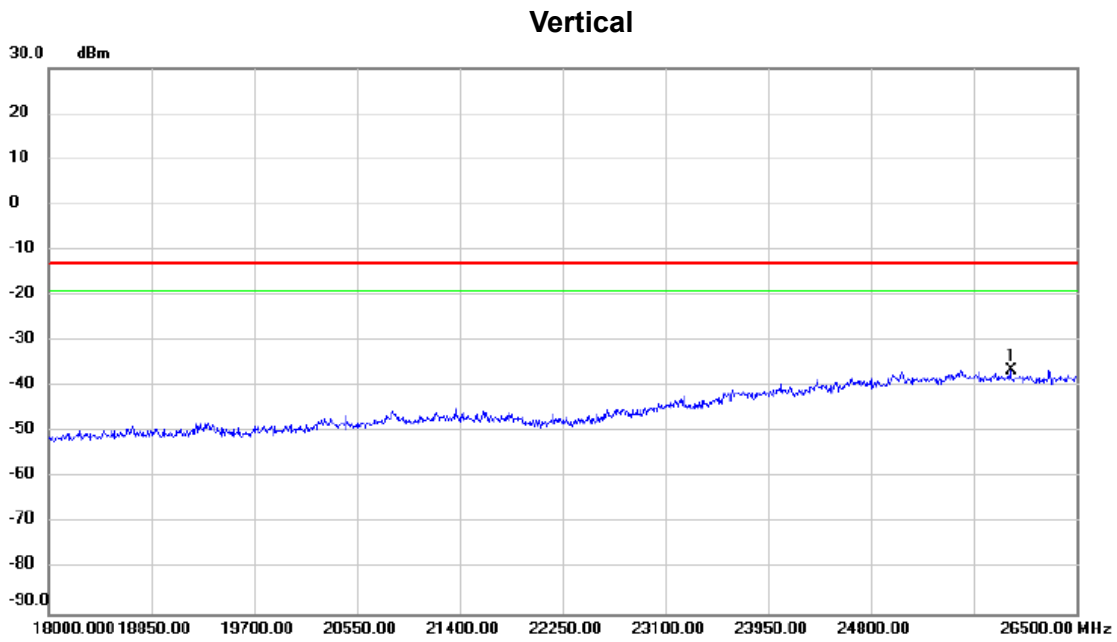
Test Mode: LTE Band 2_TX CH18900_20M

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	17925.000	-61.79	19.17	-42.62	-13.00	-29.62	peak	

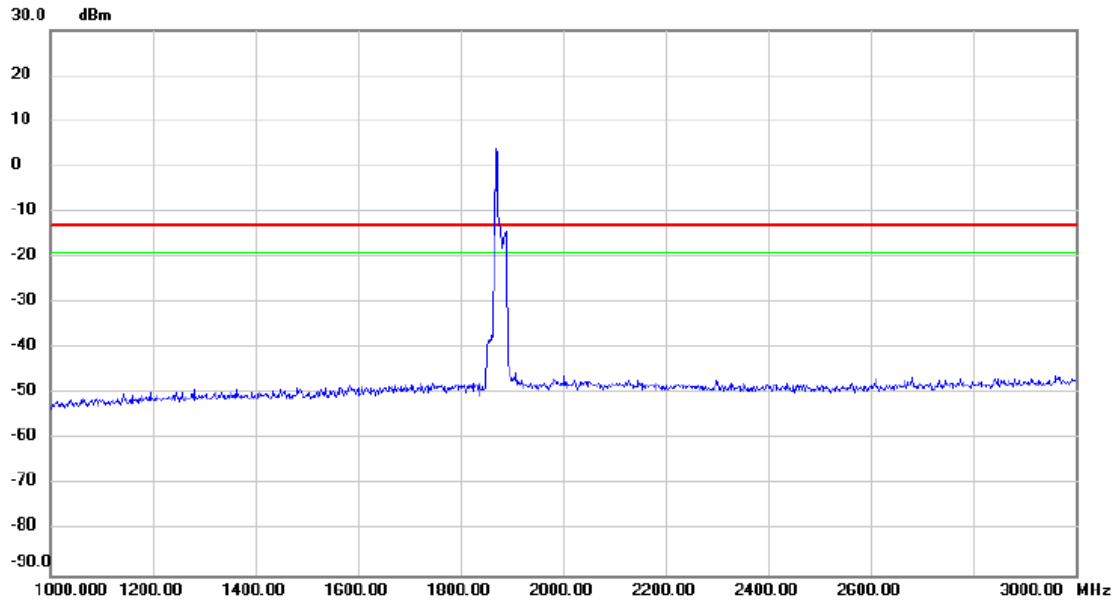
Test Mode: LTE Band 2_TX CH18900_20M



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	25956.000	-63.39	26.83	-36.56	-13.00	-23.56	peak	

Test Mode: LTE Band 2_TX CH18900_20M

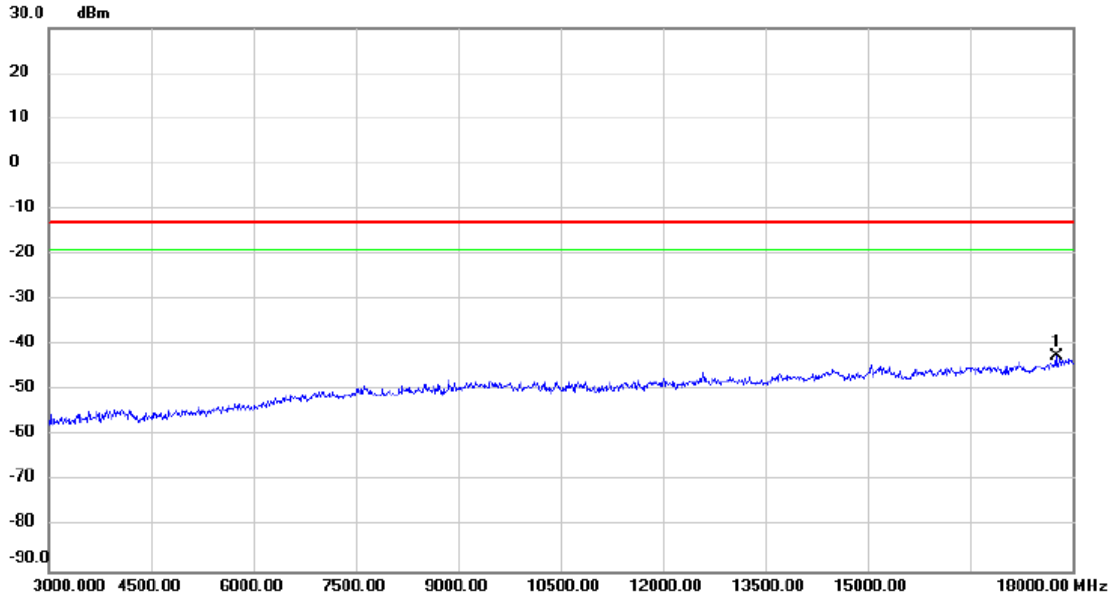
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
		1890.00	0.00	0.00	0.00	-15.00	15.00		

Test Mode: LTE Band 2_TX CH18900_20M

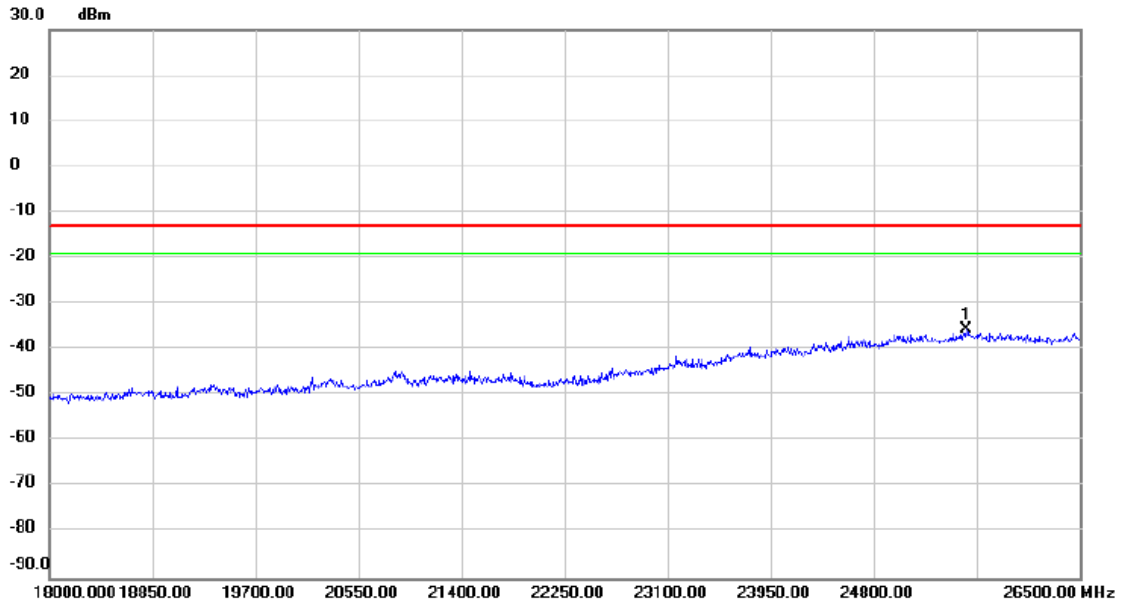
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	17760.000	-61.34	18.76	-42.58	-13.00	-29.58	peak	

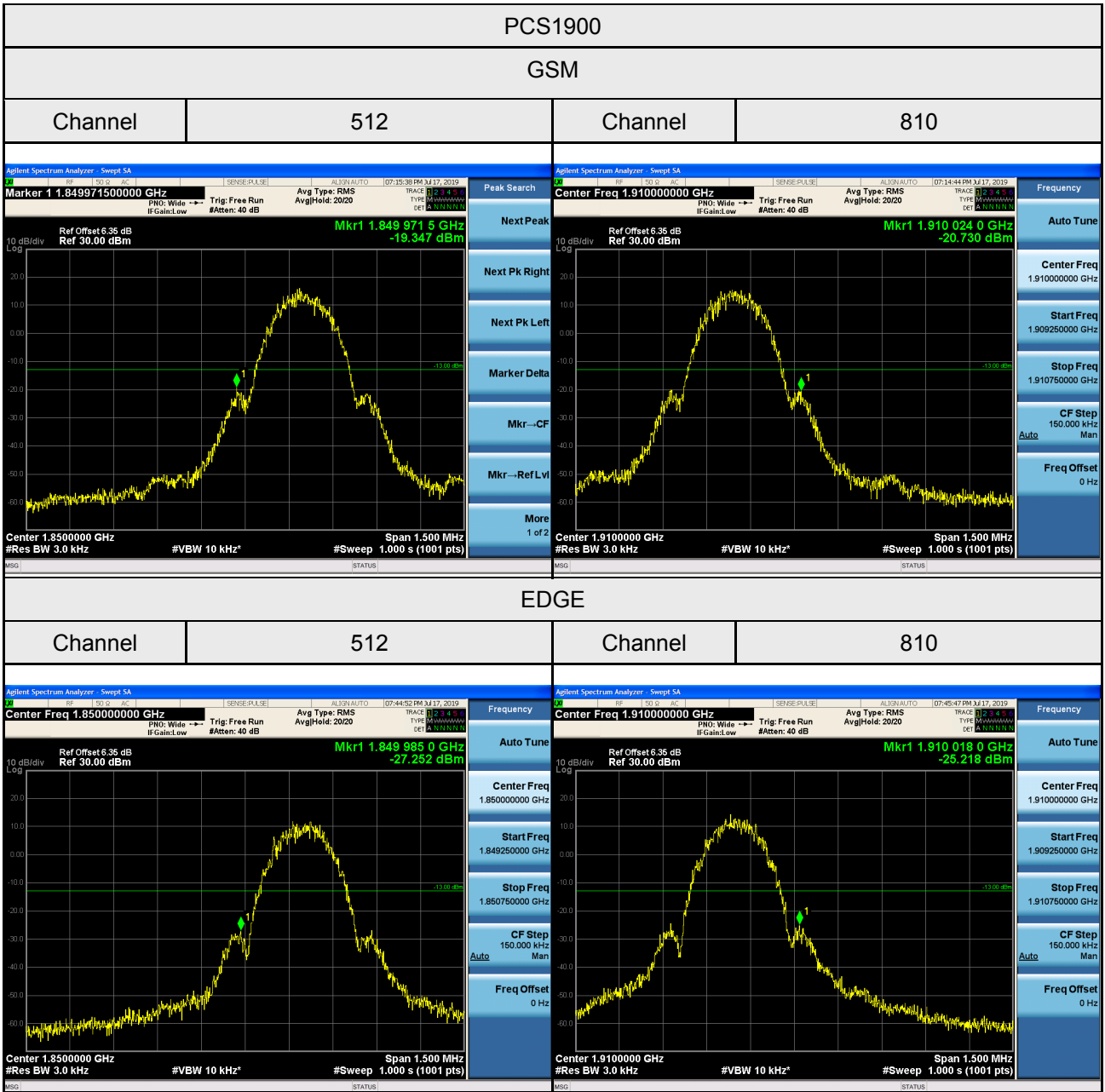
Test Mode: LTE Band 2_TX CH18900_20M

Horizontal

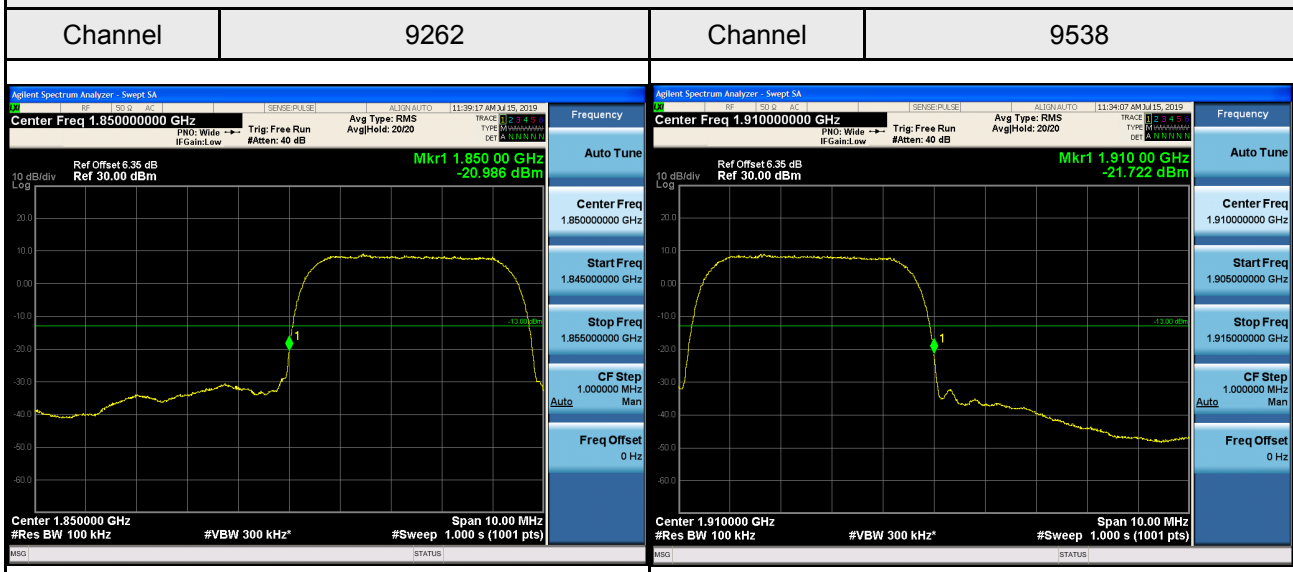


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	25565.000	-62.35	26.71	-35.64	-13.00	-22.64	peak	

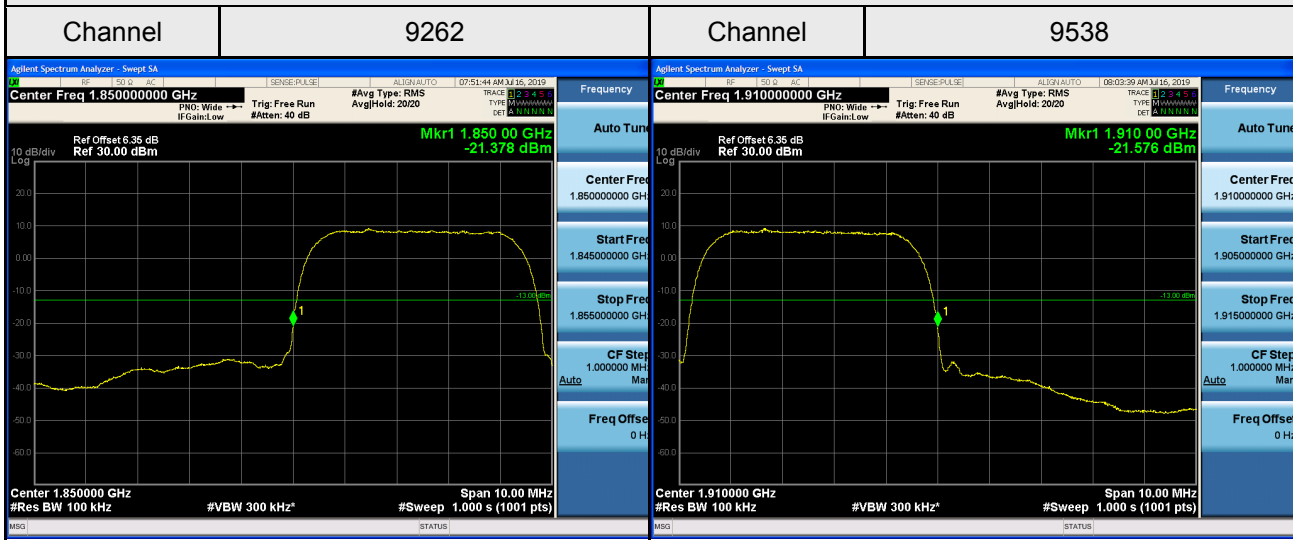
APPENDIX G - BAND EDGE



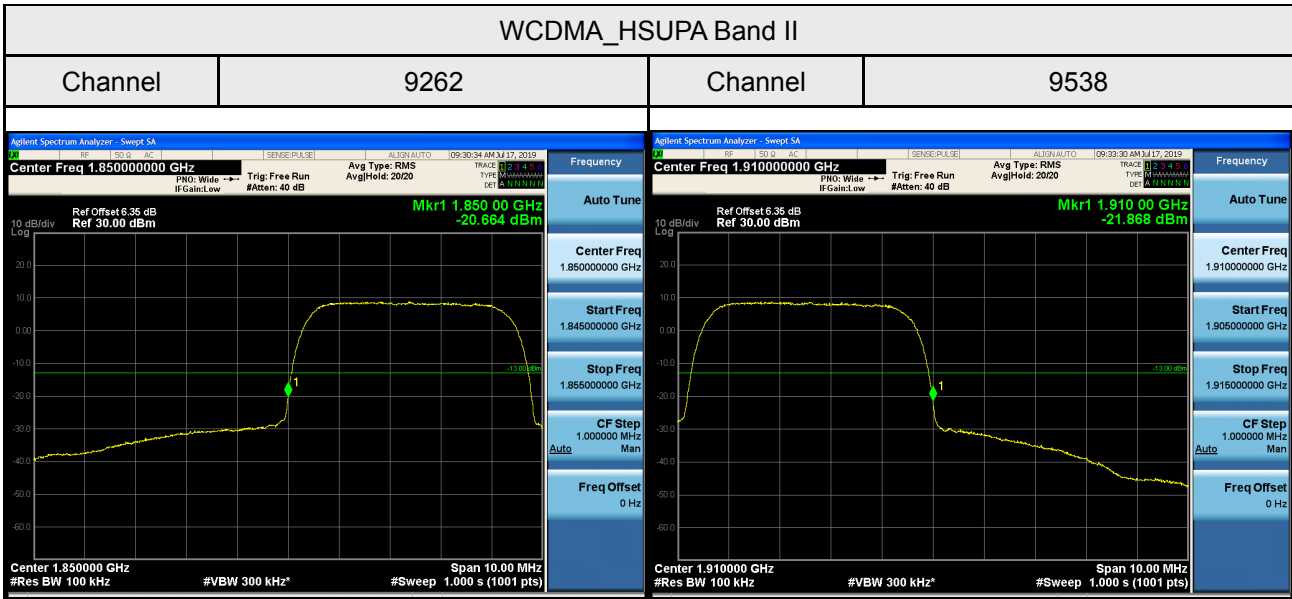
WCDMA Band II



WCDMA_HSDPA Band II



WCDMA_HSUPA Band II



LTE Band 2_1.4M

1RB#0

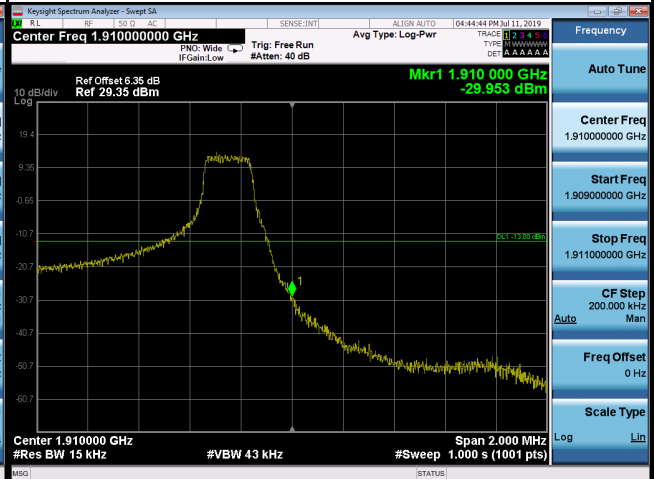
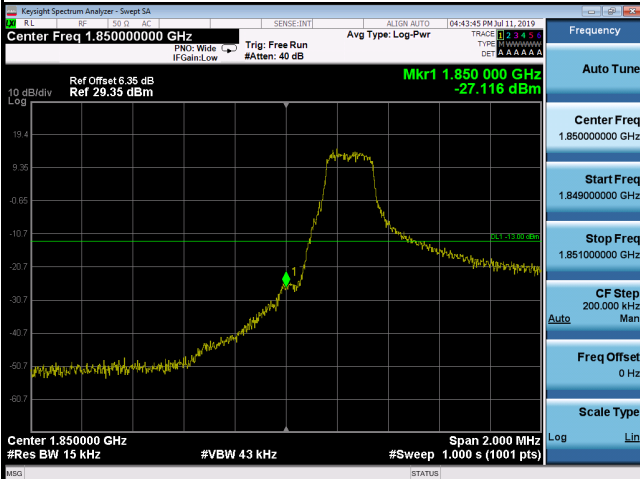
1RB#5

Channel

18607

Channel

19193



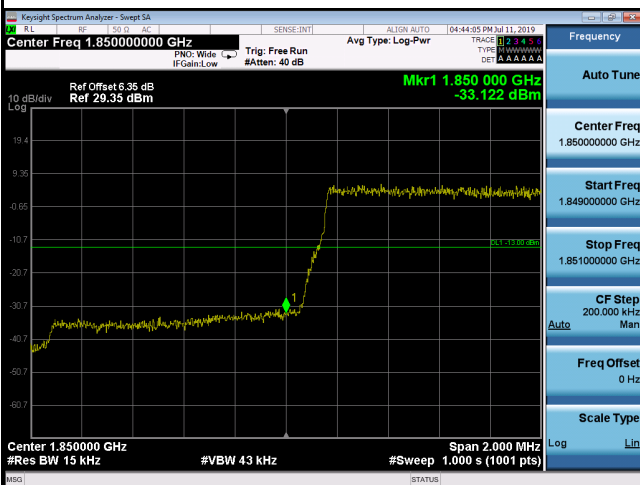
6RB#0

Channel

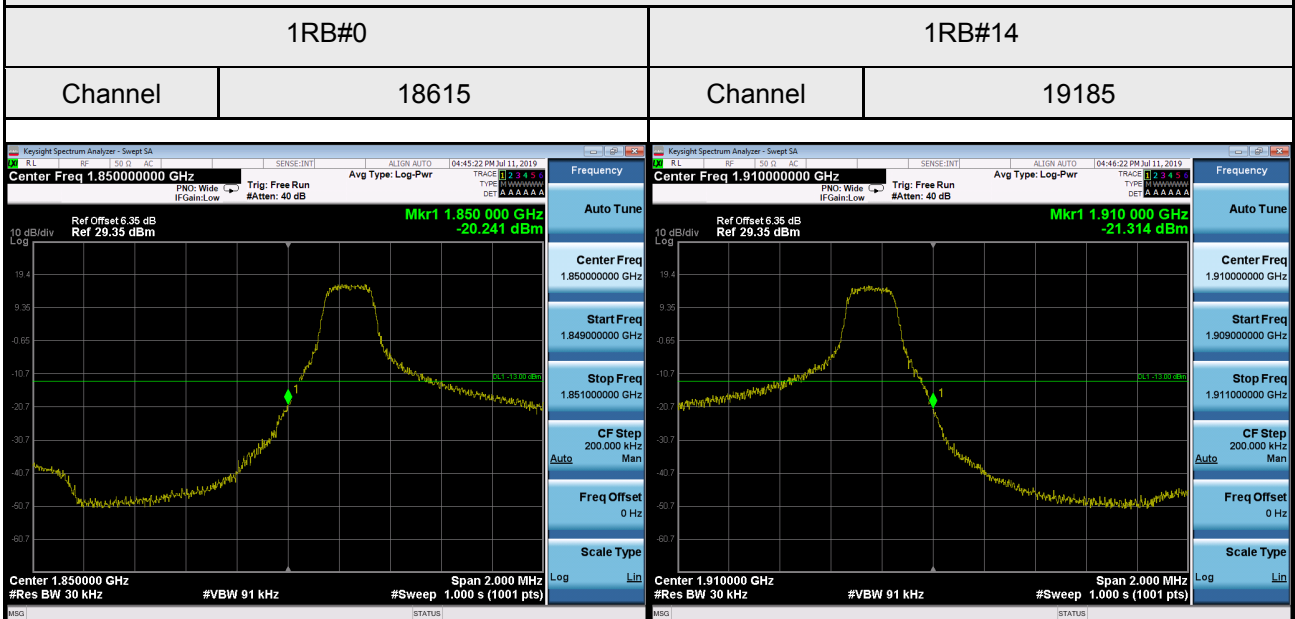
18607

Channel

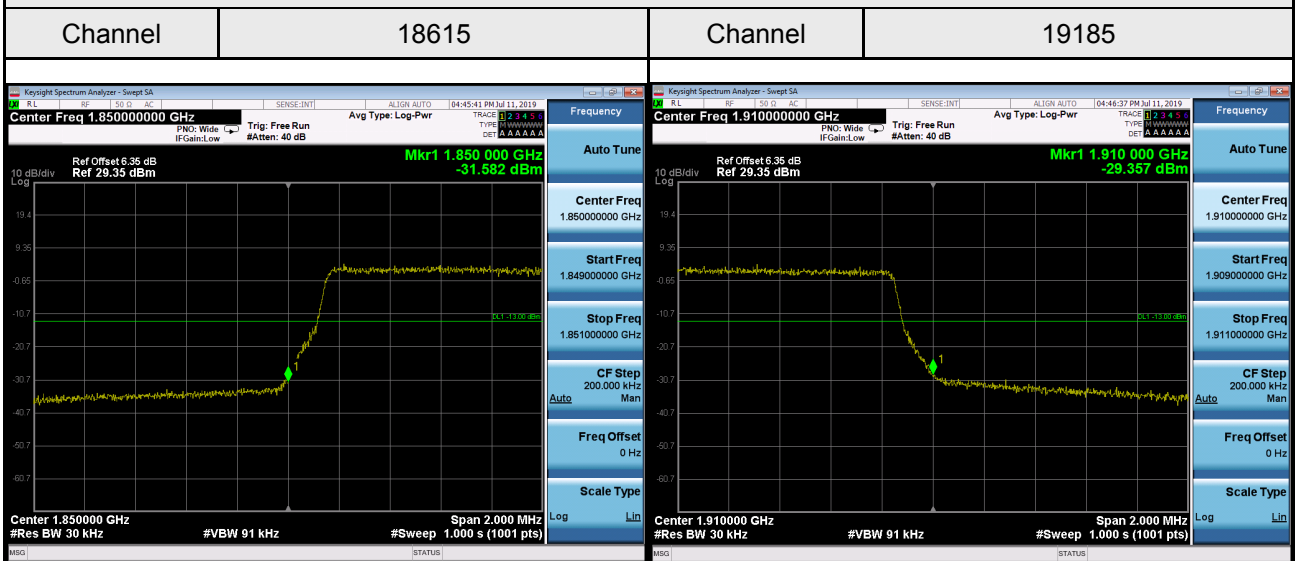
19193



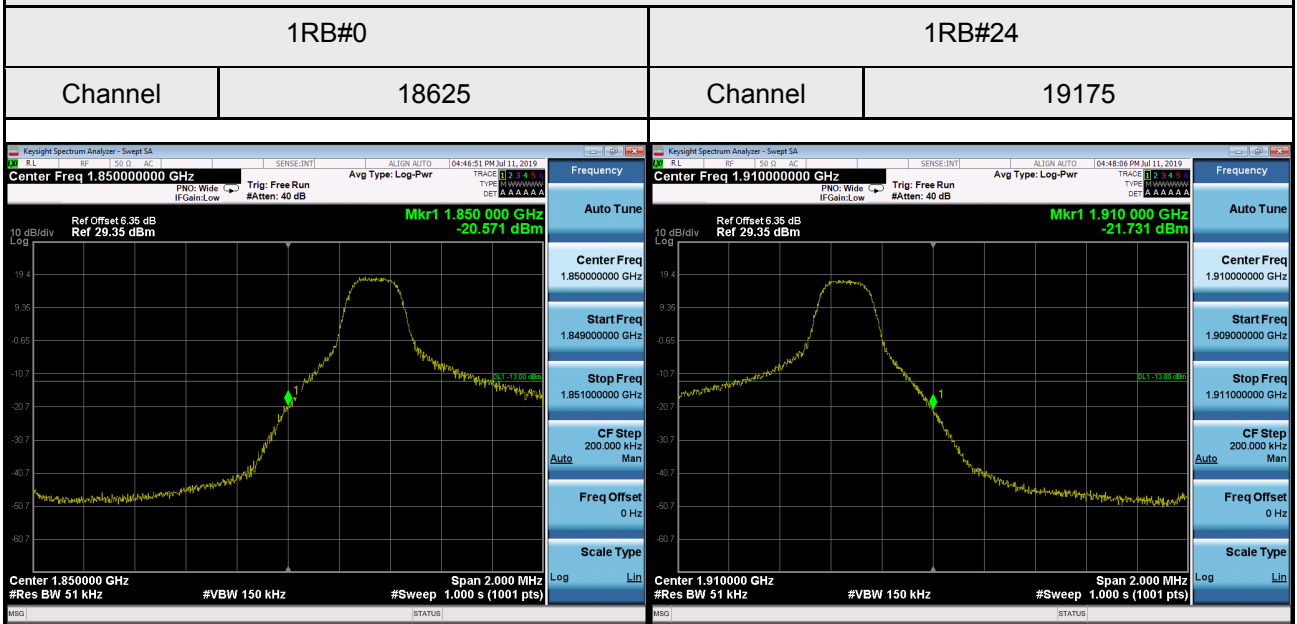
LTE Band 2_3M



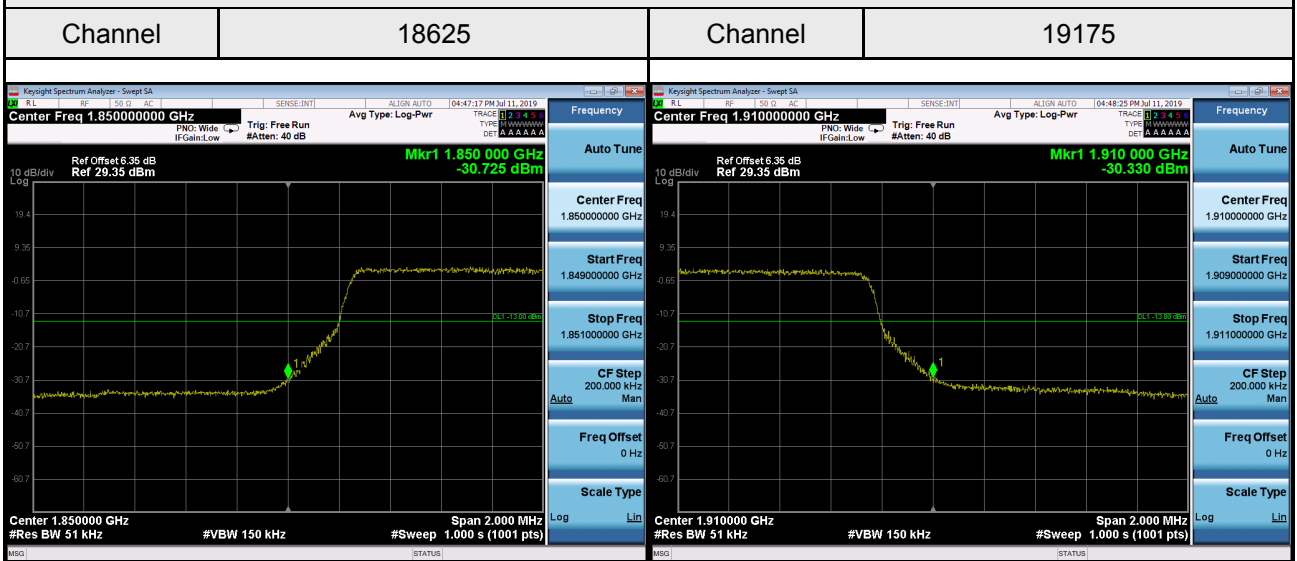
15RB#0



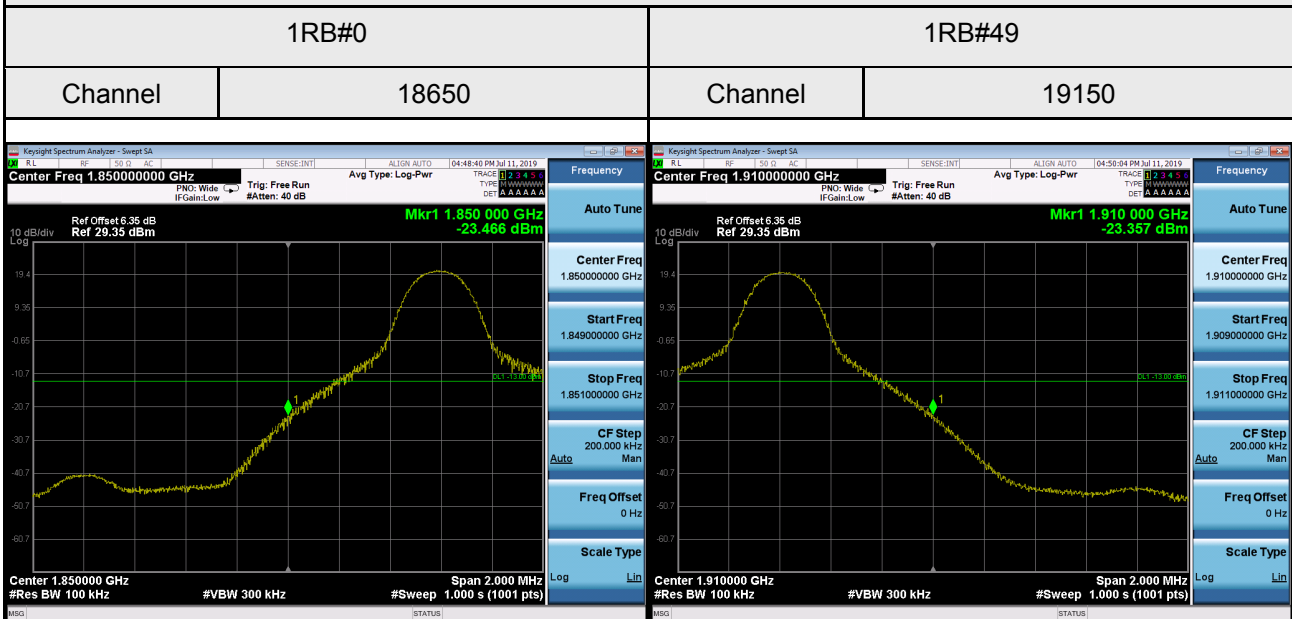
LTE Band 2_5M



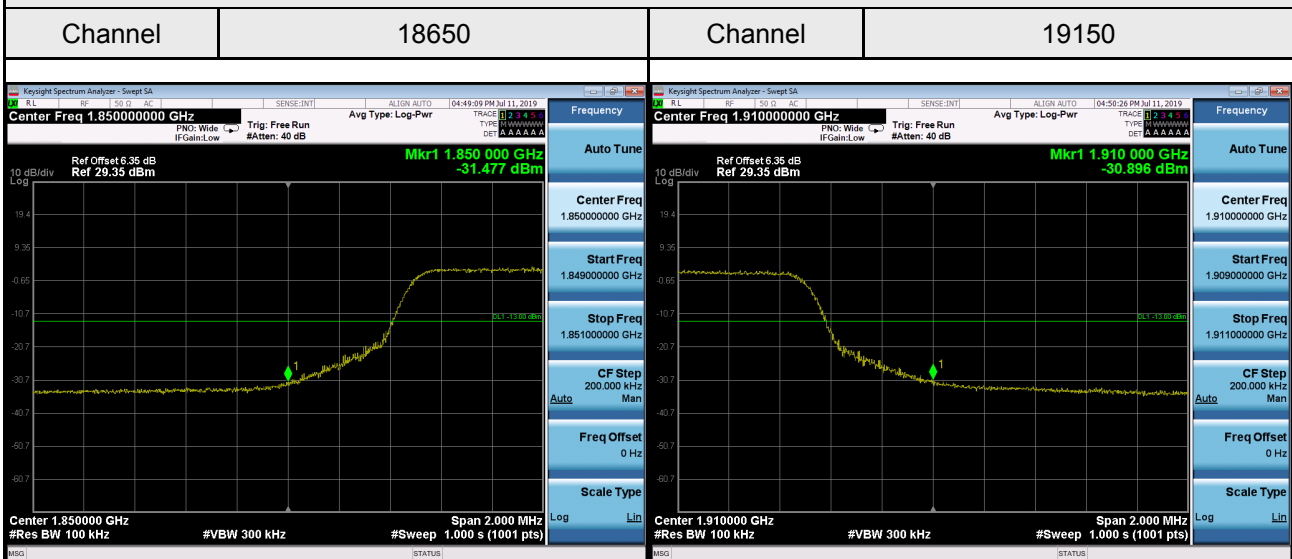
25RB#0

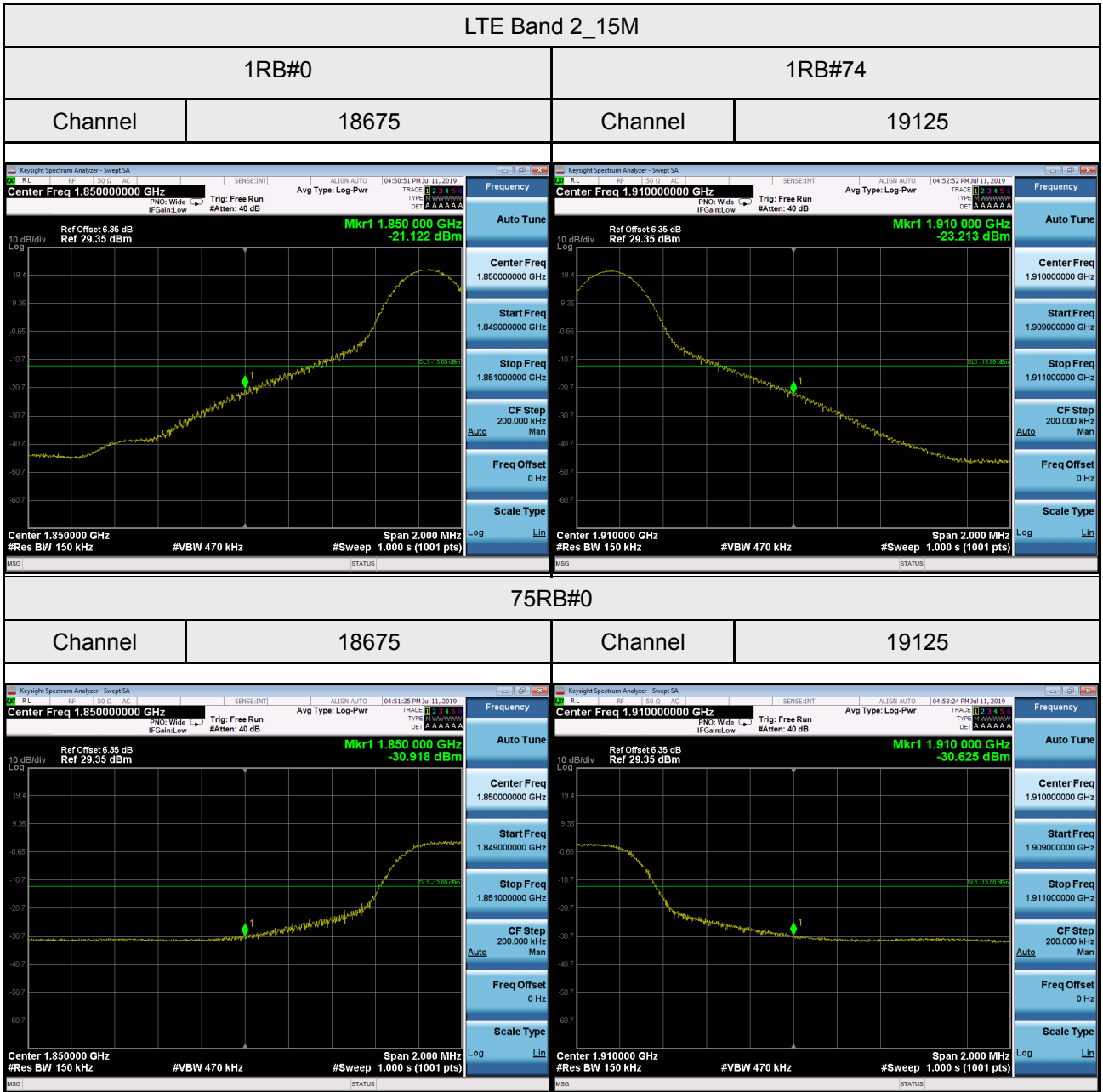


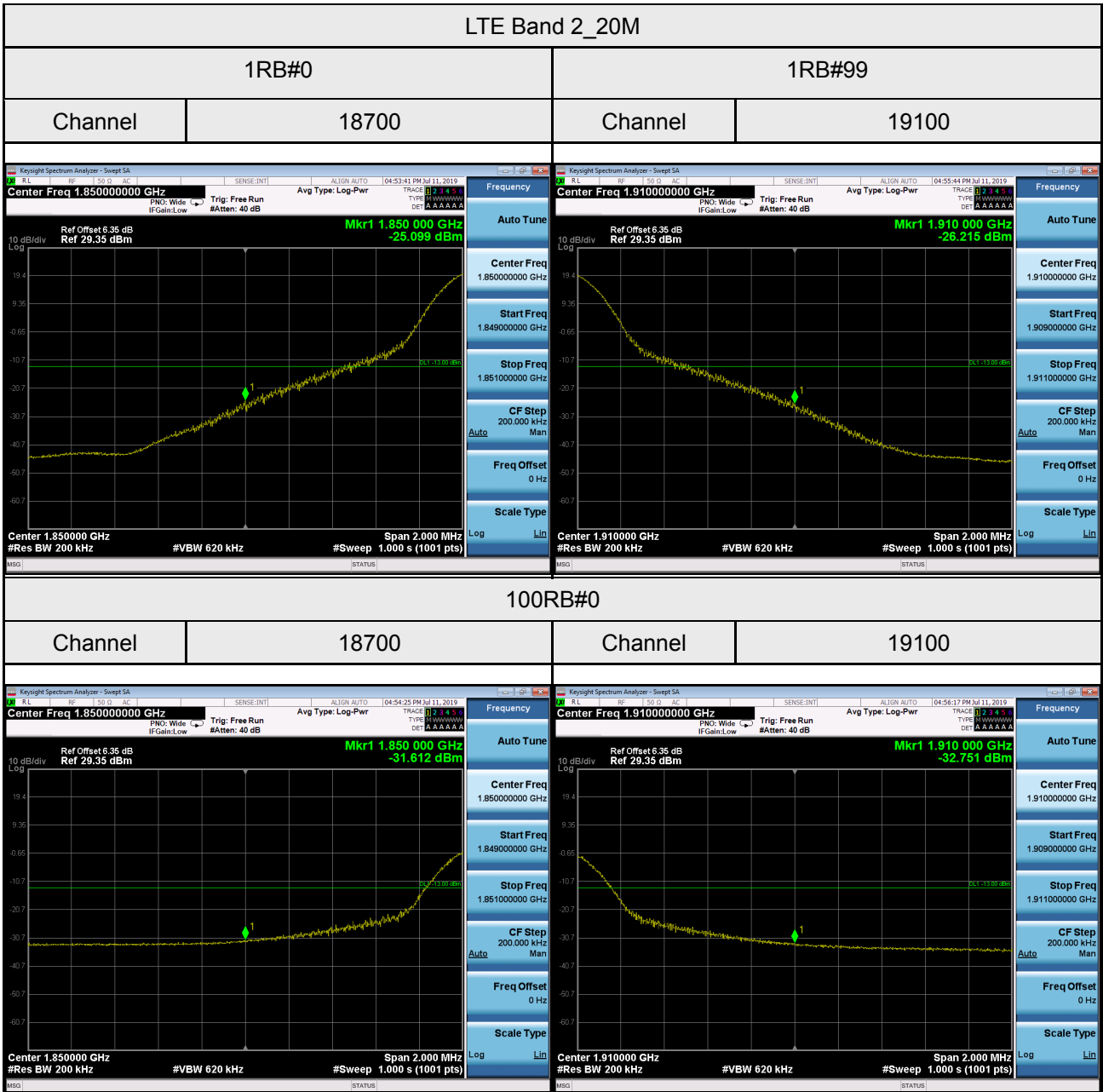
LTE Band 2_10M



50RB#0





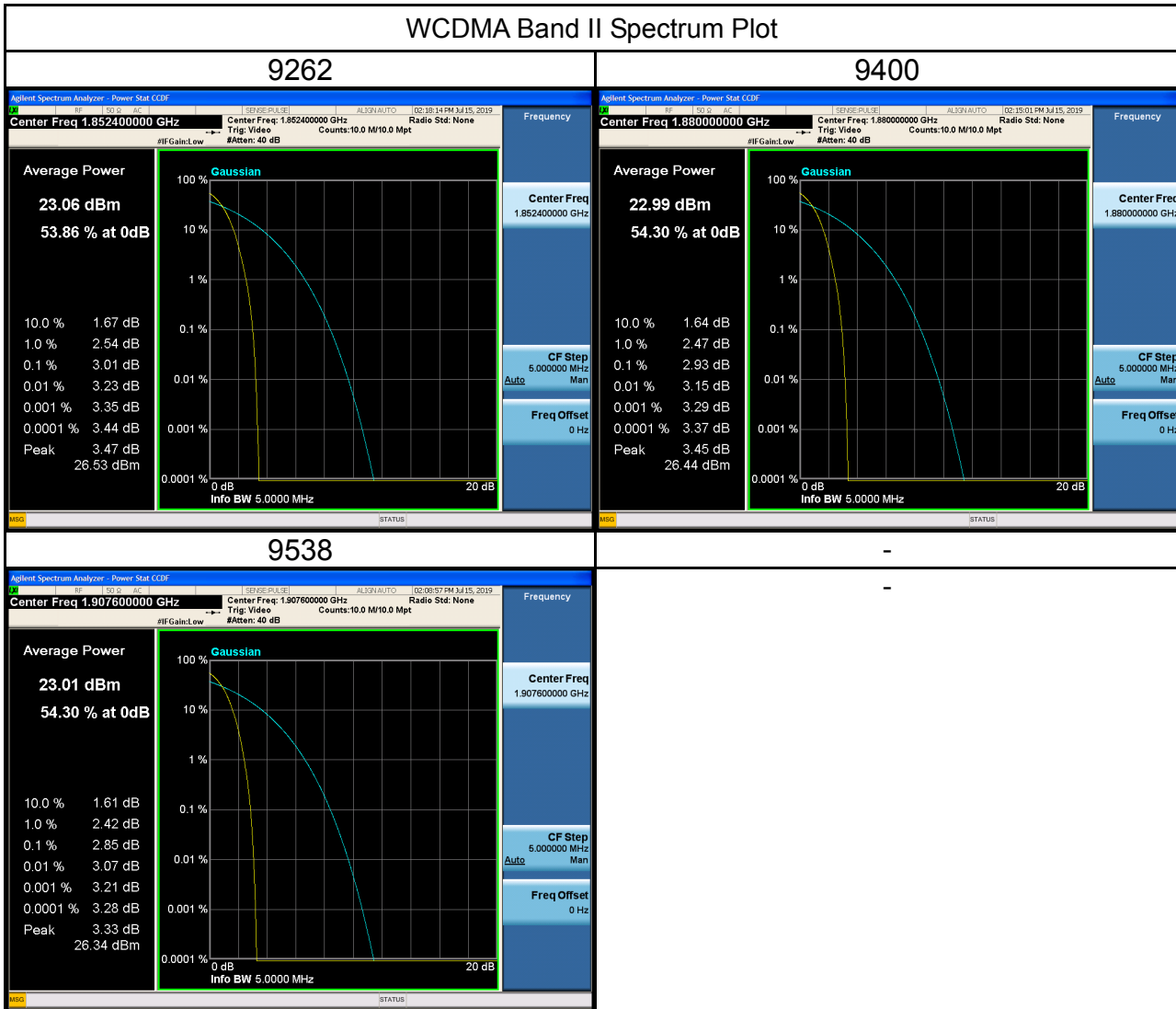


APPENDIX H - PEAK TO AVERAGE RATIO

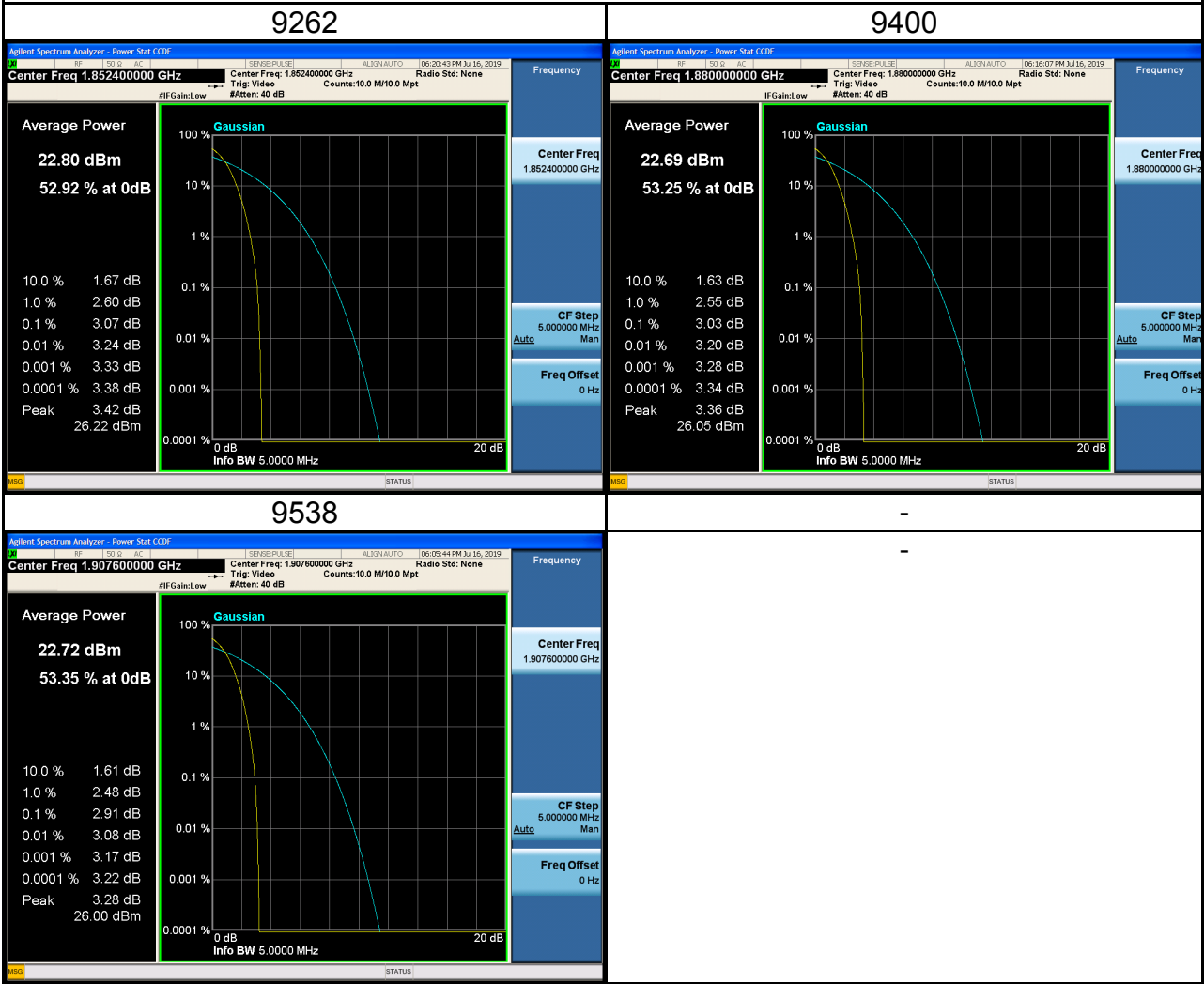
PCS1900 Spectrum Plot



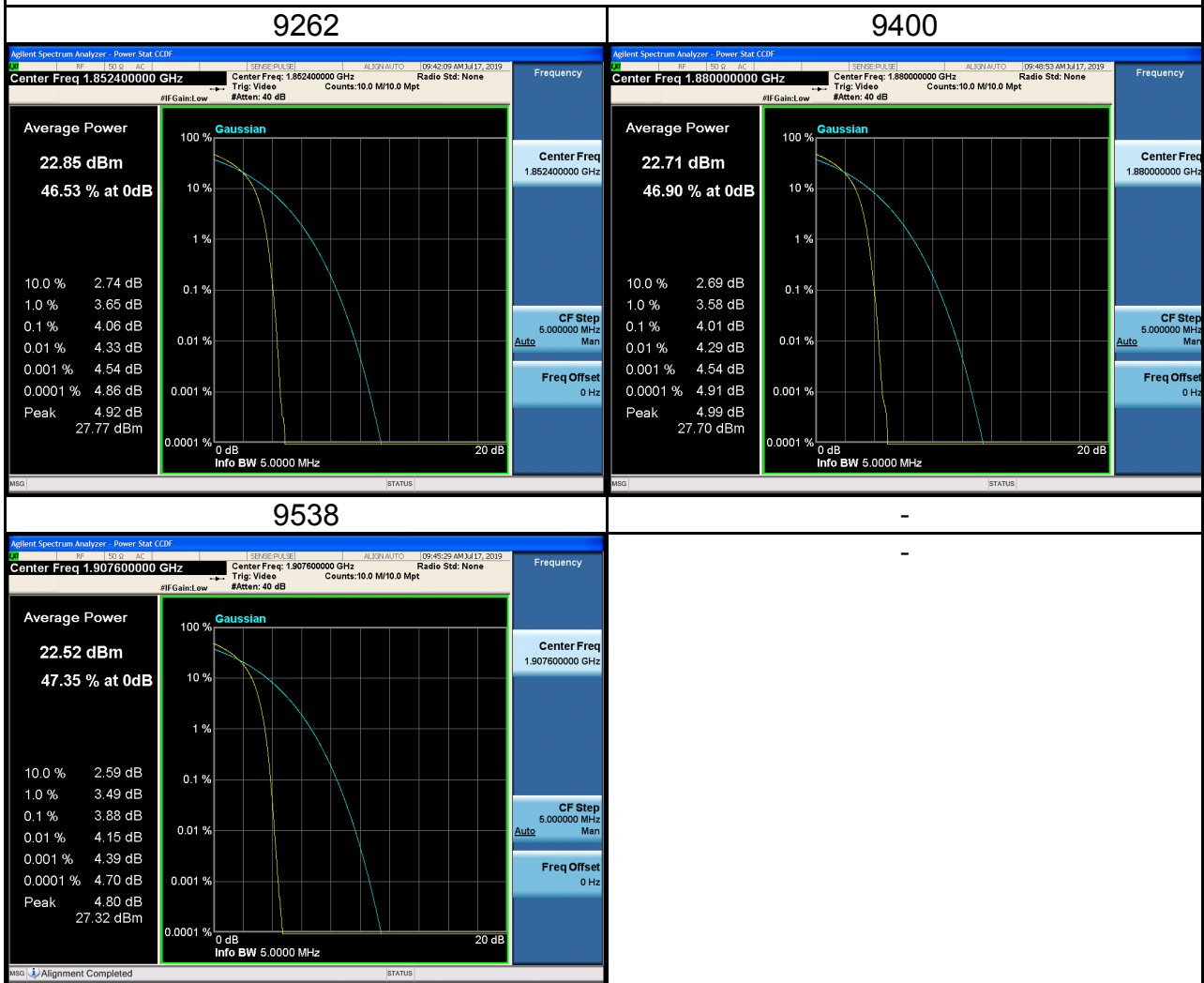
WCDMA Band II Spectrum Plot



WCDMA_HSDPA Band II Spectrum Plot



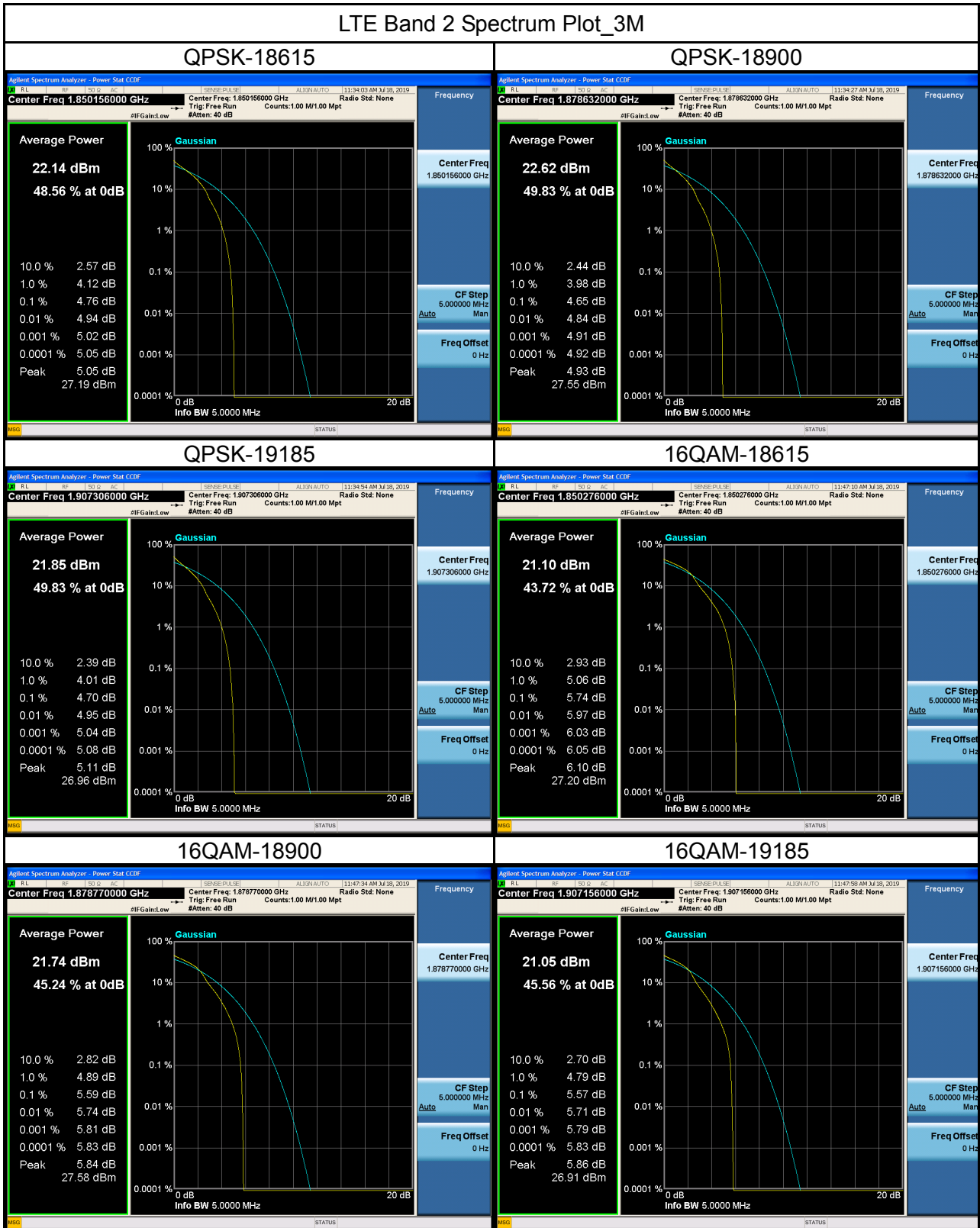
WCDMA_HSUPA Band II Spectrum Plot



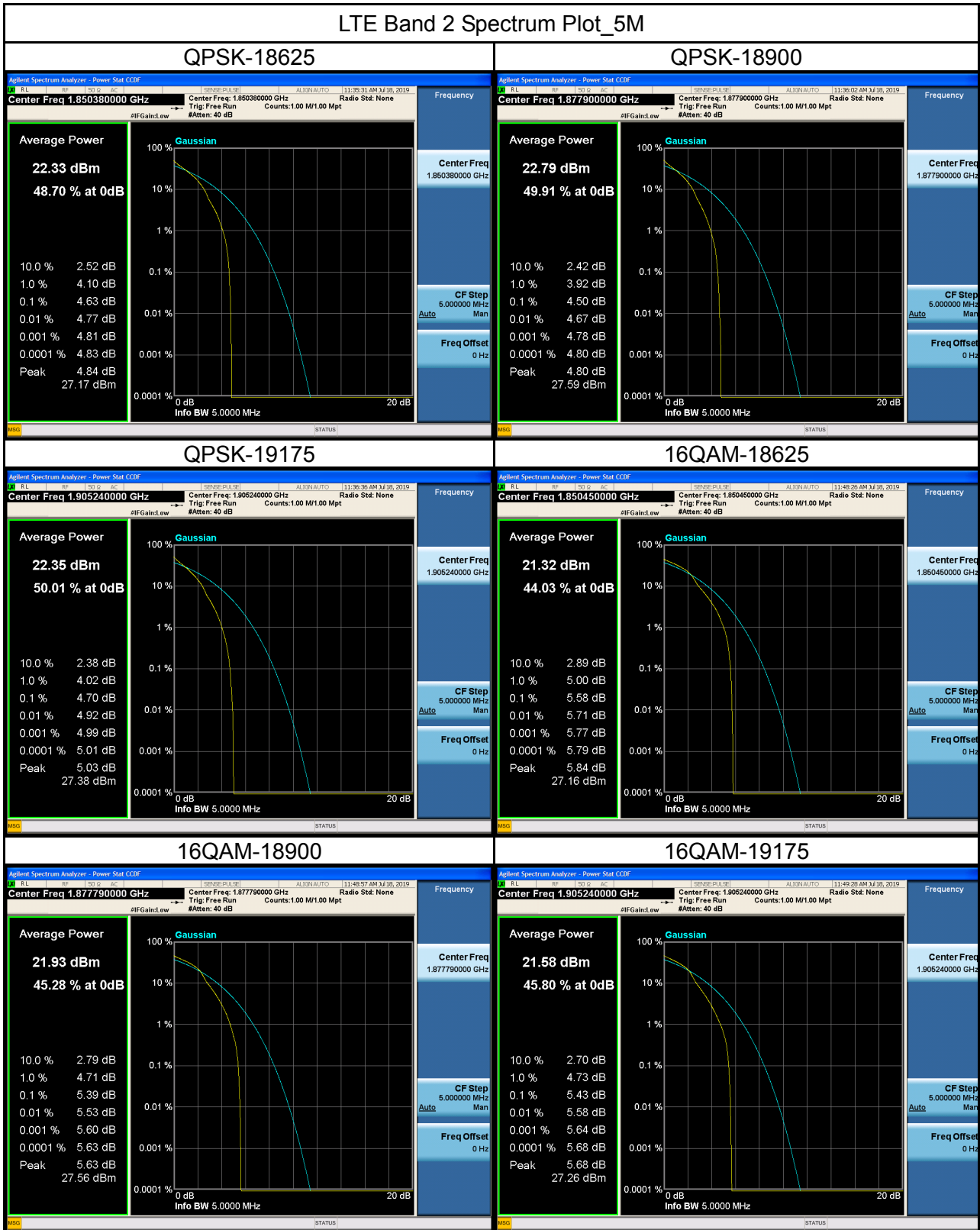
LTE Band 2 Spectrum Plot_1.4M



LTE Band 2 Spectrum Plot_3M



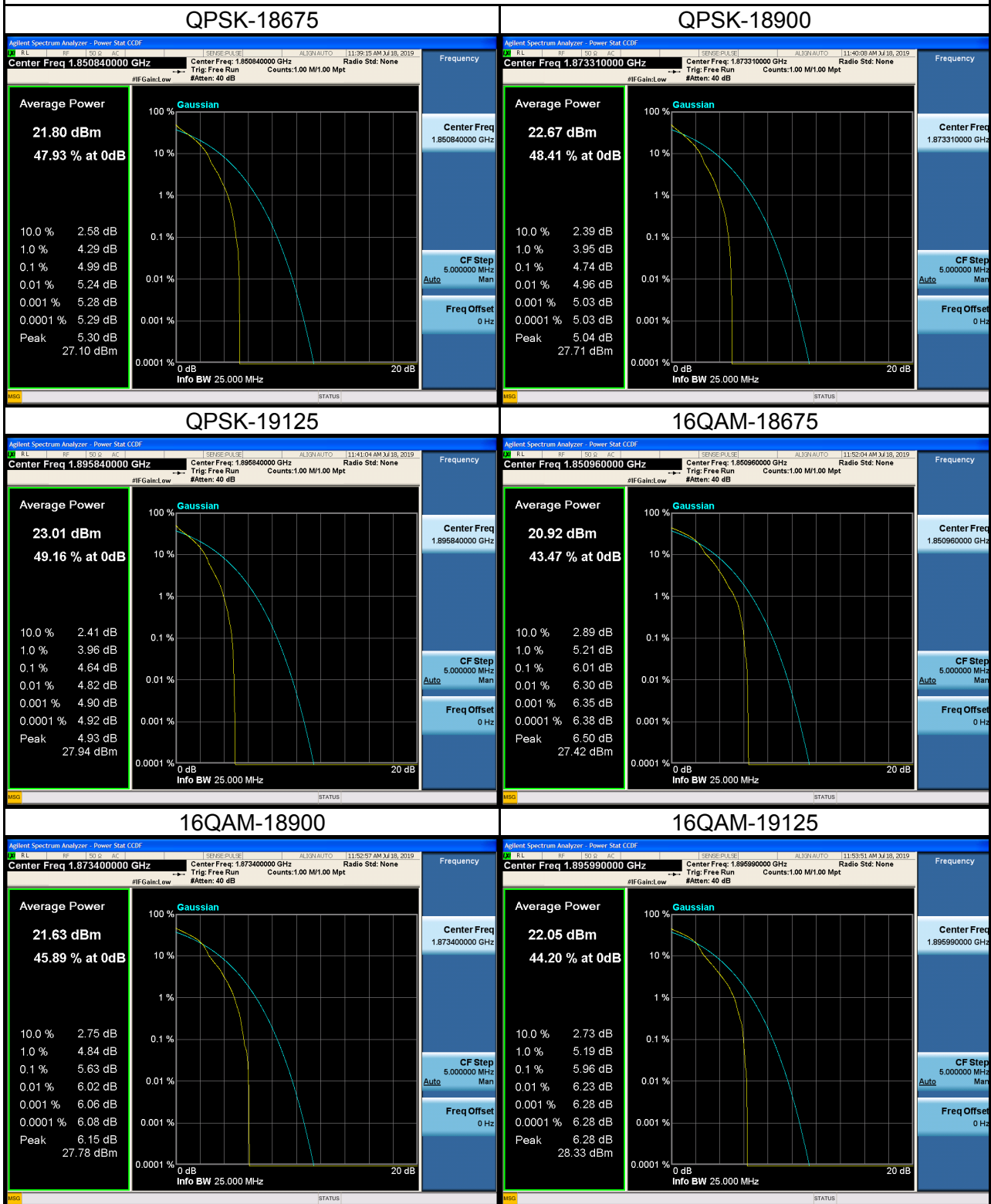
LTE Band 2 Spectrum Plot_5M



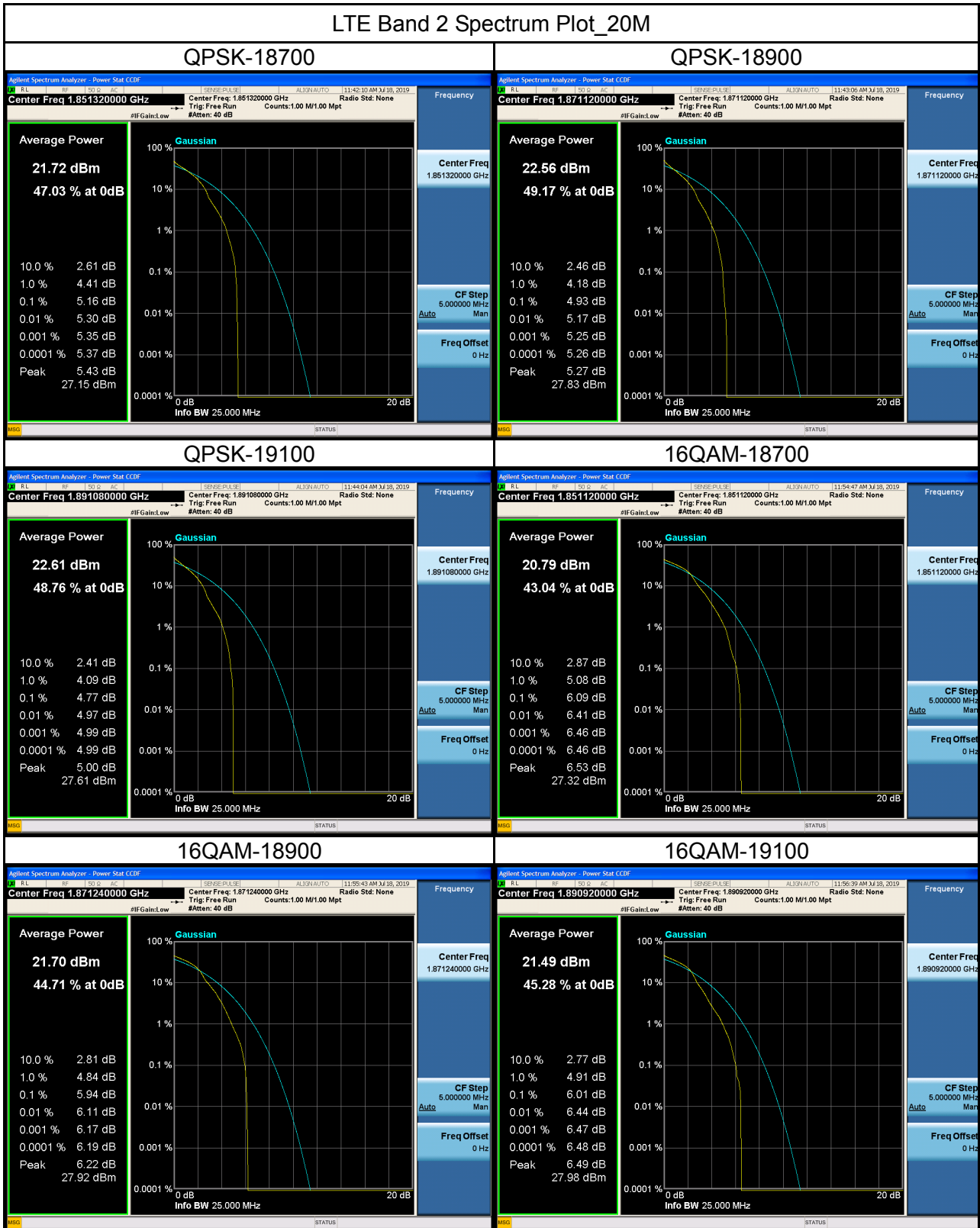
LTE Band 2 Spectrum Plot_10M



LTE Band 2 Spectrum Plot_15M



LTE Band 2 Spectrum Plot_20M



APPENDIX I - FREQUENCY STABILITY

Test Mode: PCS1900_CH661

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	5.43	0.002888298	±2.5
-20	4.64	0.002468085	
-10	4.07	0.002164894	
0	4.57	0.002430851	
10	6.83	0.003632979	
20	6.72	0.003574468	
30	4.39	0.002335106	
40	6.27	0.003335106	
50	6.51	0.003462766	
60	4.96	0.002638298	
75	5.92	0.003148936	
Max. Deviation (ppm)	6.83	0.003632979	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.32	0.001765957	±2.5
4.0	3.94	0.002095745	
4.2	3.3	0.001755319	
Max. Deviation (ppm)	3.94	0.002095745	

Test Mode:	WCDMA Band II_CH9400
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	3.99	0.00212234	±2.5
-20	6.54	0.003478723	
-10	6.53	0.003473404	
0	2.88	0.001531915	
10	1.14	0.000606383	
20	6.62	0.003521277	
30	4.27	0.002271277	
40	5.51	0.002930851	
50	7.51	0.003994681	
60	6.64	0.003531915	
75	4.76	0.002531915	
Max. Deviation (ppm)	7.51	0.003994681	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.17	0.00168617	±2.5
4.0	2.25	0.001196809	
4.2	1.78	0.000946809	
Max. Deviation (ppm)	3.17	0.00168617	

Test Mode:	LTE Band 2_CH18900_1.4M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	4.01	0.002132979	±2.5
-20	-3.27	-0.001739362	
-10	2.86	0.001521277	
0	2.89	0.001537234	
10	-4.55	-0.002420213	
20	-3.02	-0.001606383	
30	4.49	0.002388298	
40	-3.50	-0.001861702	
50	2.90	0.001542553	
60	3.33	0.001771277	
75	5.18	0.002755319	
Max. Deviation (ppm)	5.18	-0.002420213	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	4.35	0.00231383	±2.5
4.0	-2.10	-0.001117021	
4.2	5.30	0.002819149	
Max. Deviation (ppm)	5.3	0.002819149	

Test Mode: LTE Band 2_CH18900_3M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	2.19	0.001164894	±2.5
-20	-3.13	-0.001664894	
-10	5.29	0.00281383	
0	-5.52	-0.00293617	
10	3.56	0.001893617	
20	-2.61	-0.001388298	
30	4.20	0.002234043	
40	-4.90	-0.002606383	
50	4.96	0.002638298	
60	3.49	0.001856383	
75	5.07	0.002696809	
Max. Deviation (ppm)	-5.52	-0.00293617	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	-4.21	-0.002239362	±2.5
4.0	-6.24	-0.003319149	
4.2	3.87	0.002058511	
Max. Deviation (ppm)	-6.24	-0.003319149	

Test Mode: LTE Band 2_CH18900_5M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	4.20	0.002234043	±2.5
-20	-3.24	-0.001723404	
-10	4.62	0.002457447	
0	-5.28	-0.002808511	
10	5.78	0.003074468	
20	-3.33	-0.001771277	
30	7.35	0.003909574	
40	-5.91	-0.003143617	
50	4.16	0.002212766	
60	7.36	0.003914894	
75	3.92	0.002085106	
Max. Deviation (ppm)	7.36	0.003909574	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.21	0.001707447	±2.5
4.0	-5.14	-0.002734043	
4.2	2.24	0.001191489	
Max. Deviation (ppm)	-5.14	-0.002734043	

Test Mode: LTE Band 2_CH18900_10M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	5.25	0.002792553	±2.5
-20	-6.07	-0.003228723	
-10	3.36	0.001787234	
0	-5.76	-0.00306383	
10	4.06	0.002159574	
20	-2.02	-0.001074468	
30	-4.82	-0.00256383	
40	-2.61	-0.001388298	
50	3.79	0.002015957	
60	5.27	0.002803191	
75	4.28	0.002276596	
Max. Deviation (ppm)	-5.76	-0.003228723	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.21	0.001707447	±2.5
4.0	4.68	0.002489362	
4.2	5.23	0.002781915	
Max. Deviation (ppm)	5.23	0.002781915	

Test Mode: LTE Band 2_CH18900_15M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	2.53	0.001345745	±2.5
-20	4.62	0.002457447	
-10	5.92	0.003148936	
0	-5.81	-0.003090426	
10	5.60	0.002978723	
20	-5.55	-0.002952128	
30	-2.38	-0.001265957	
40	-3.17	-0.00168617	
50	3.46	0.001840426	
60	6.29	0.003345745	
75	4.18	0.002223404	
Max. Deviation (ppm)	6.29	0.003148936	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	-2.31	-0.001228723	±2.5
4.0	6.24	0.003319149	
4.2	-3.21	-0.001707447	
Max. Deviation (ppm)	6.24	0.003319149	

Test Mode: LTE Band 2_CH18900_20M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	3.93	0.002090426	±2.5
-20	6.34	0.00337234	
-10	3.57	0.001898936	
0	-3.32	-0.001765957	
10	2.14	0.001138298	
20	-5.95	-0.003164894	
30	-2.82	-0.0015	
40	-2.26	-0.001202128	
50	4.24	0.002255319	
60	5.55	0.002952128	
75	3.92	0.002085106	
Max. Deviation (ppm)	-5.95	0.00337234	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.94	0.003159574	±2.5
4.0	-3.31	-0.001760638	
4.2	2.54	0.001351064	
Max. Deviation (ppm)	5.94	0.003159574	

End of Test Report