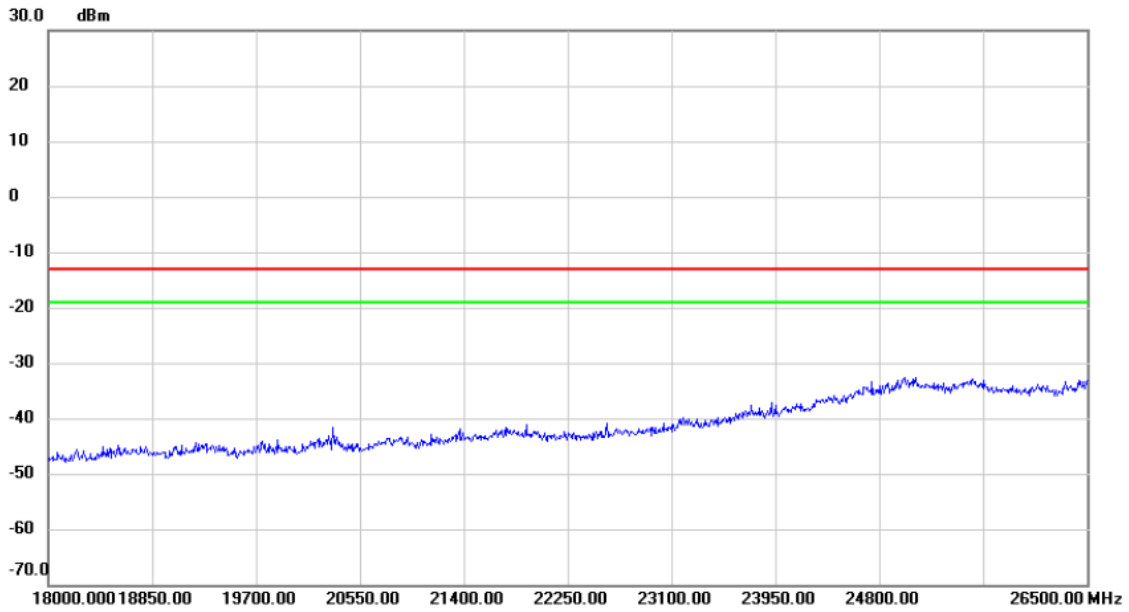


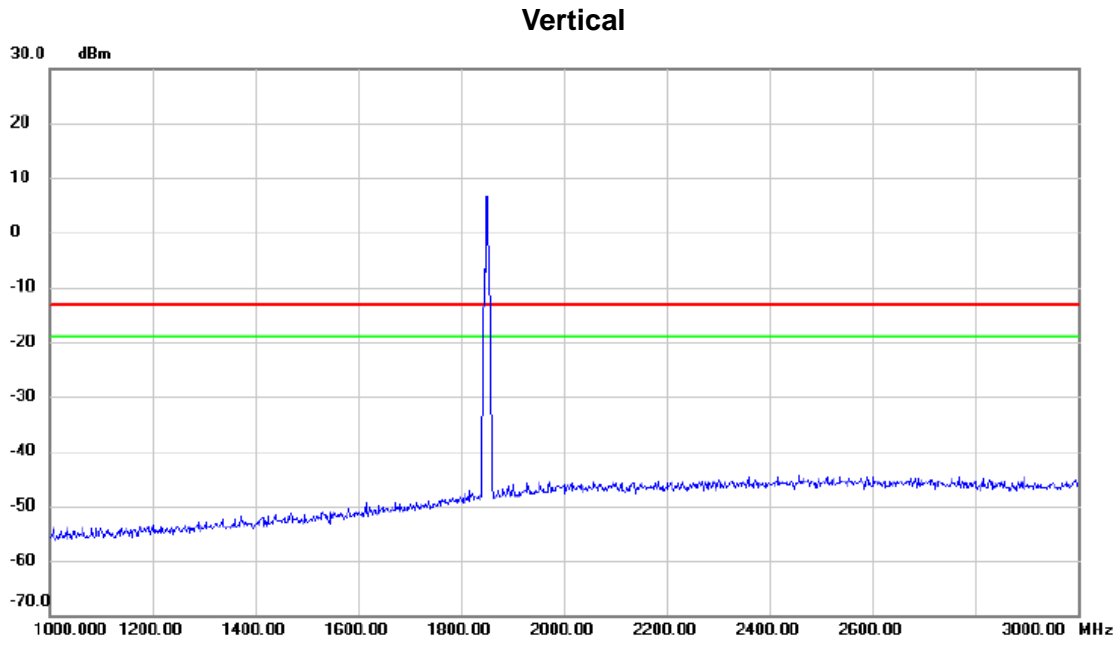
Test Mode: WCDMA Band 2\_HSUPA\_TX CH9538

Horizontal



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

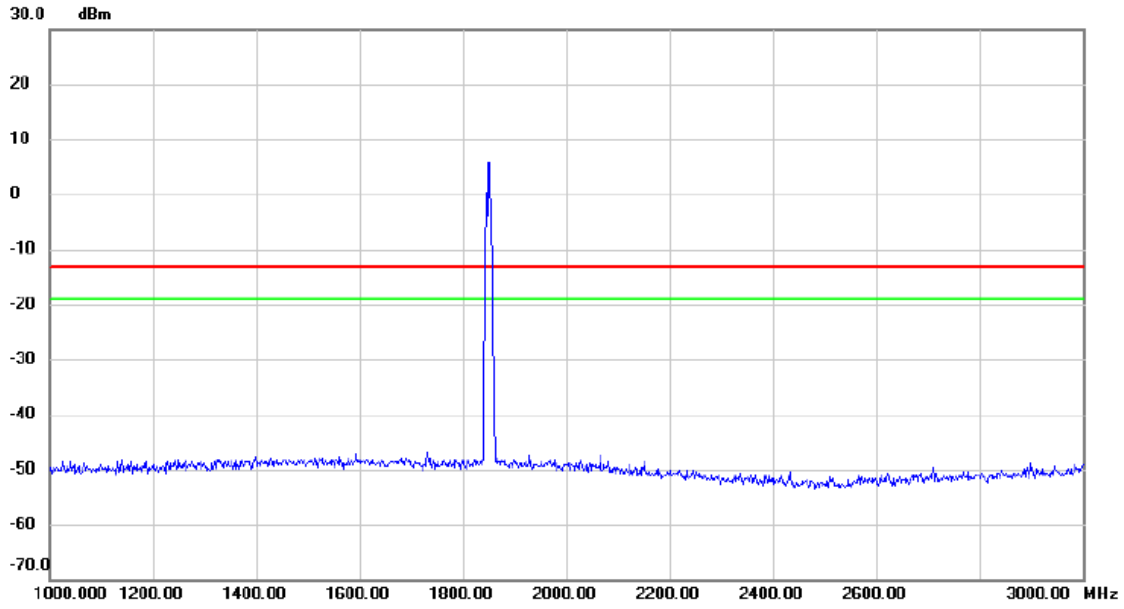
Test Mode: LTE Band 2\_TX CH19193\_1.4M



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1919.3	5		5	-15	20		

Test Mode: LTE Band 2\_TX CH19193\_1.4M

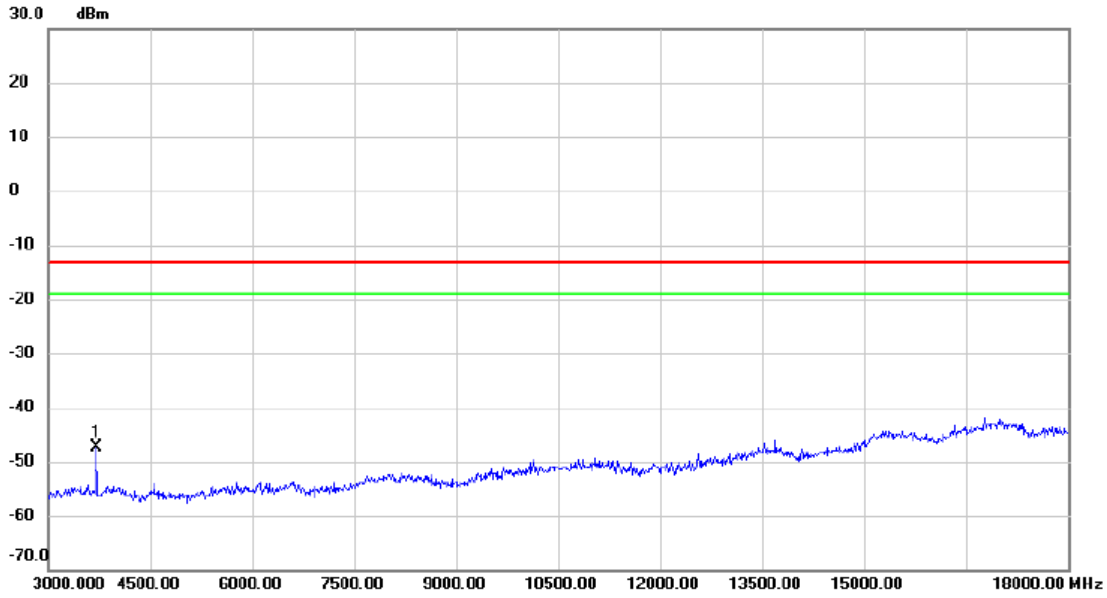
**Horizontal**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1875.00	5.00	0.00	5.00	-13.00	18.00		

Test Mode: LTE Band 2\_TX CH19193\_1.4M

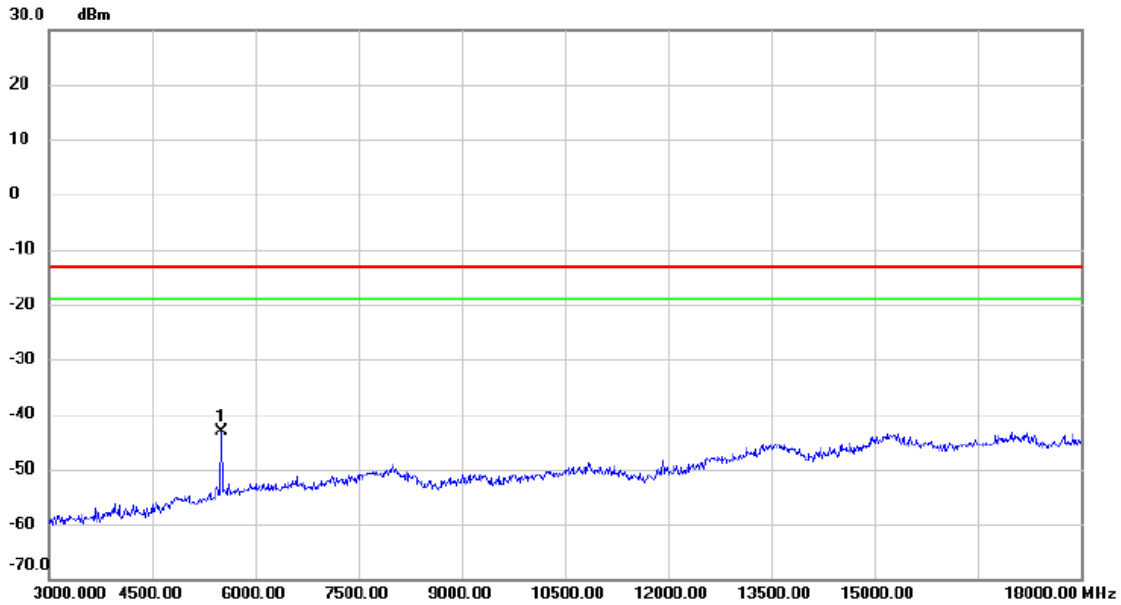
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3705.000	-61.73	14.46	-47.27	-13.00	-34.27	peak	

Test Mode: LTE Band 2\_TX CH19193\_1.4M

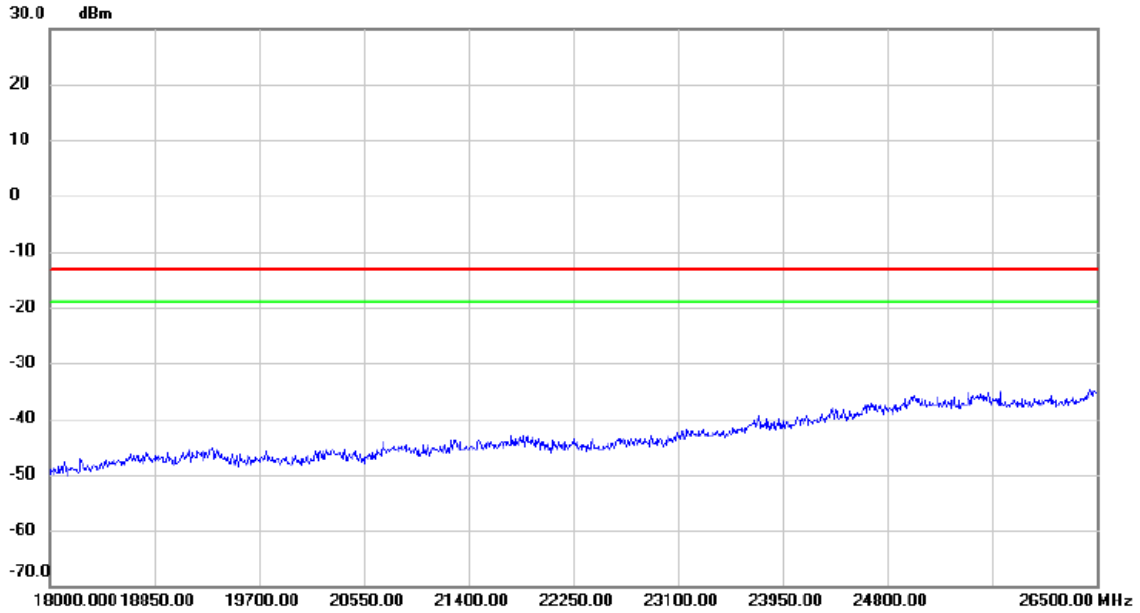
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	5505.000	-59.77	16.61	-43.16	-13.00	-30.16	peak	

Test Mode: LTE Band 2\_TX CH19193\_1.4M

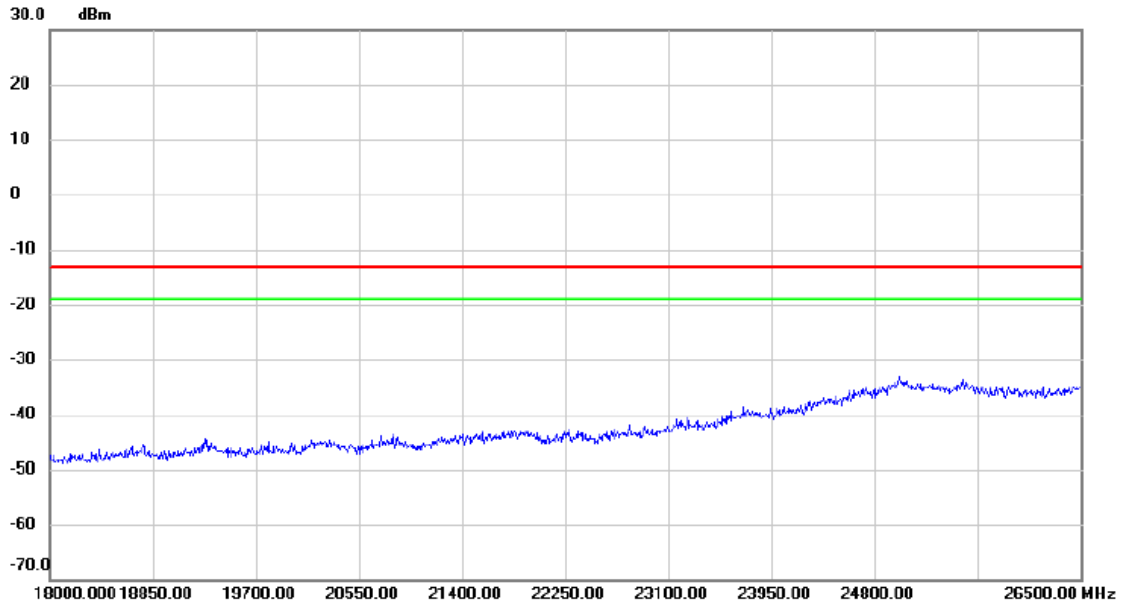
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
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Test Mode: LTE Band 2\_TX CH19193\_1.4M

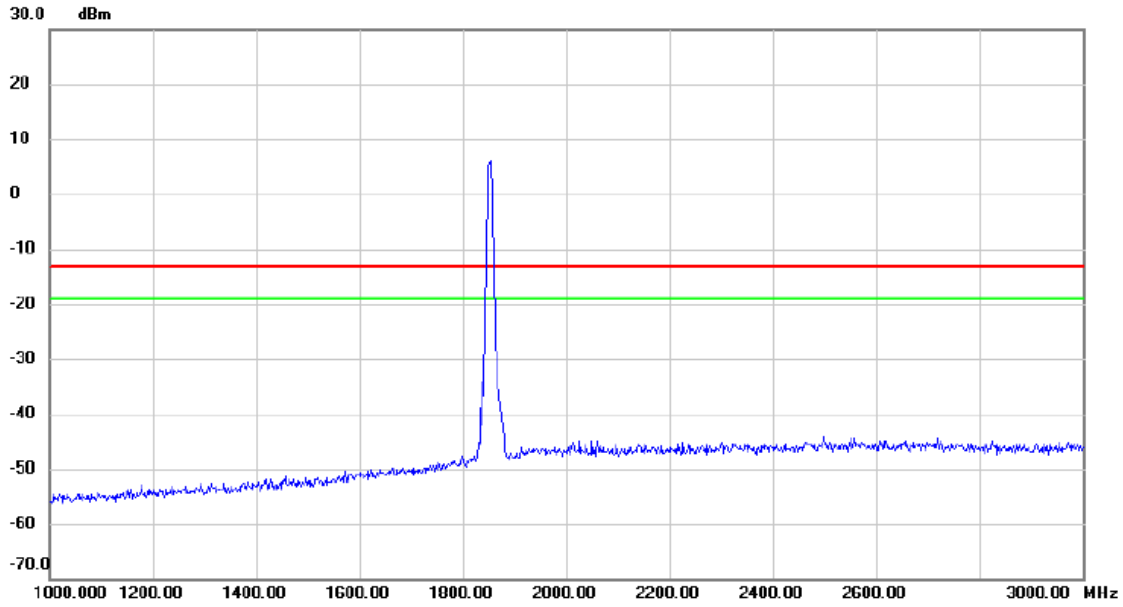
### Horizontal



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

Test Mode: LTE Band 2\_TX CH19175\_5M

Vertical

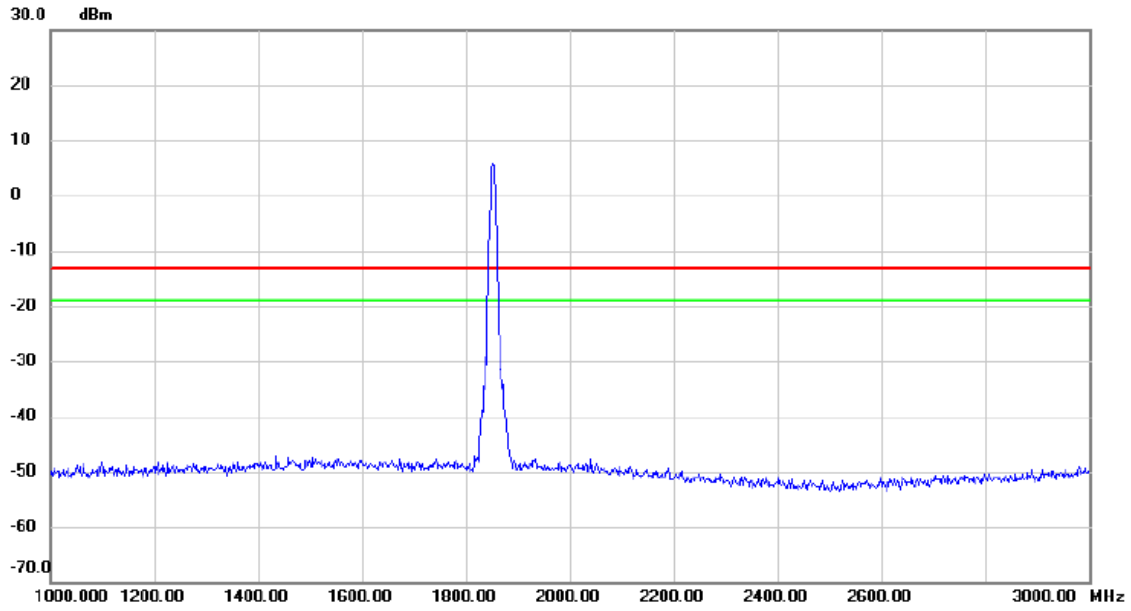


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		19175	5		5	-15	-20		



Test Mode: LTE Band 2\_TX CH19175\_5M

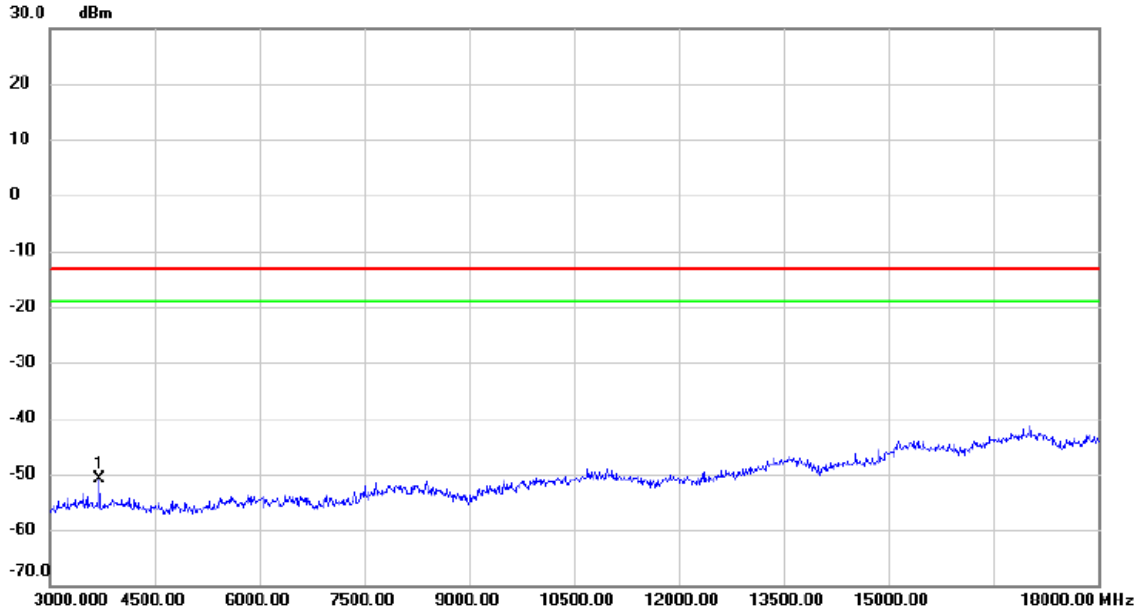
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1917.5	5		5	-13	18		

Test Mode: LTE Band 2\_TX CH19175\_5M

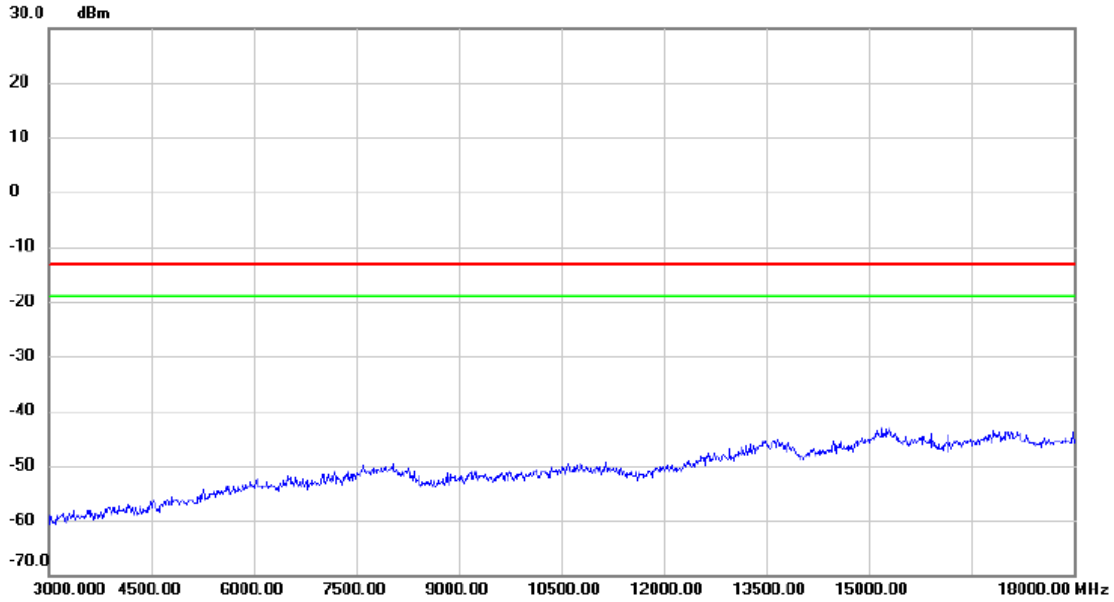
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3705.000	-65.33	14.46	-50.87	-13.00	-37.87	peak	

Test Mode: LTE Band 2\_TX CH19175\_5M

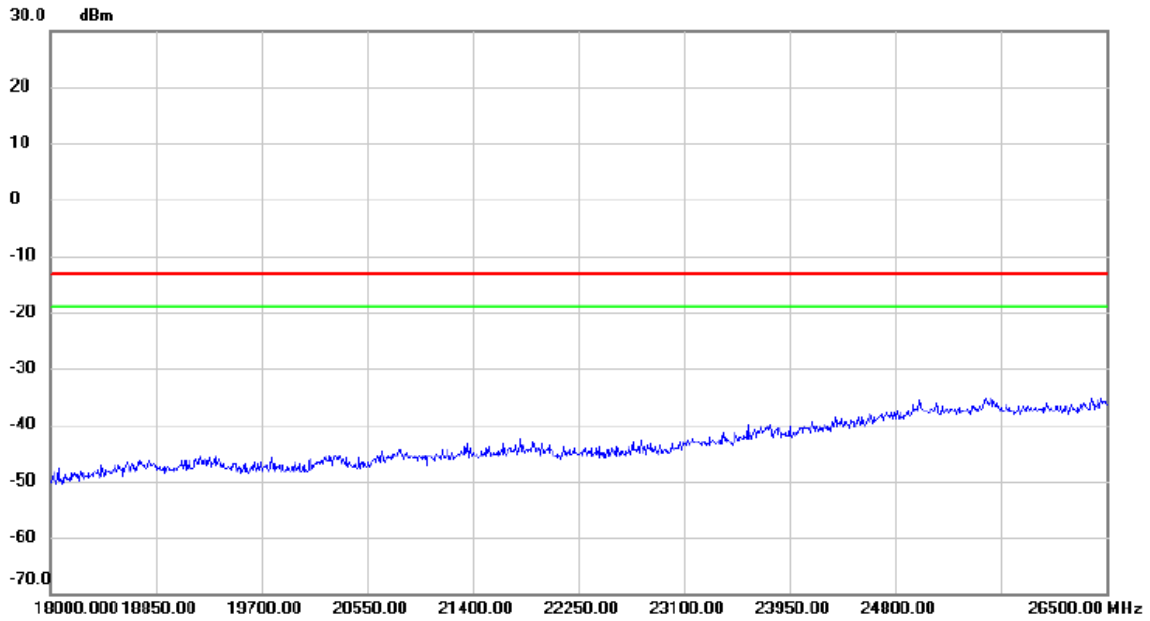
### Horizontal



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

Test Mode: LTE Band 2\_TX CH19175\_5M

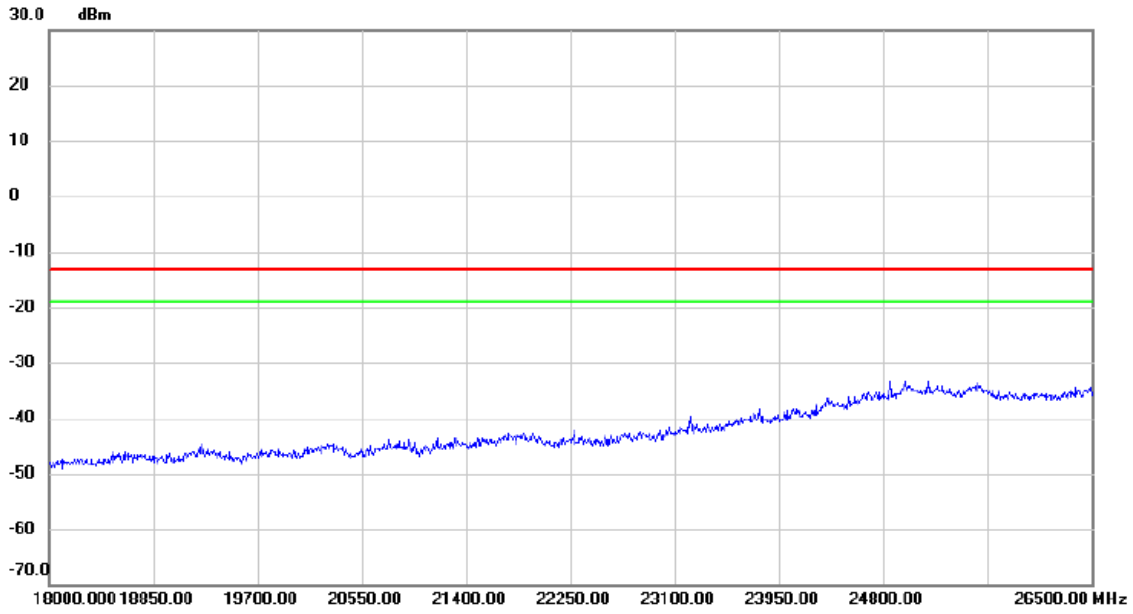
Vertical



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

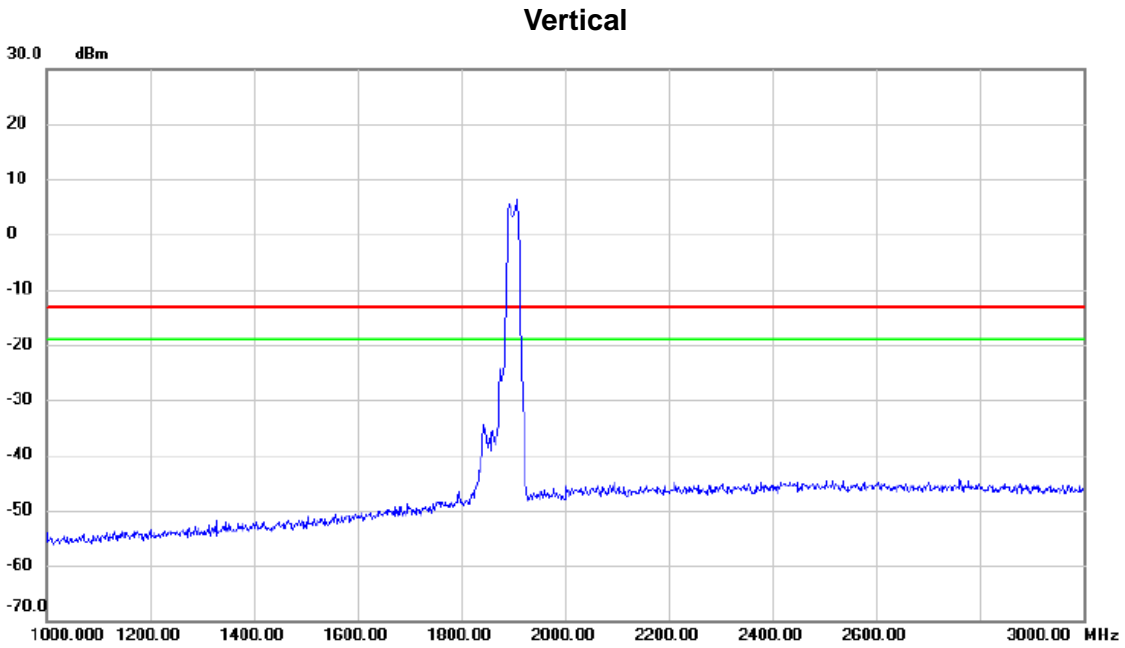
Test Mode: LTE Band 2\_TX CH19175\_5M

### Horizontal



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

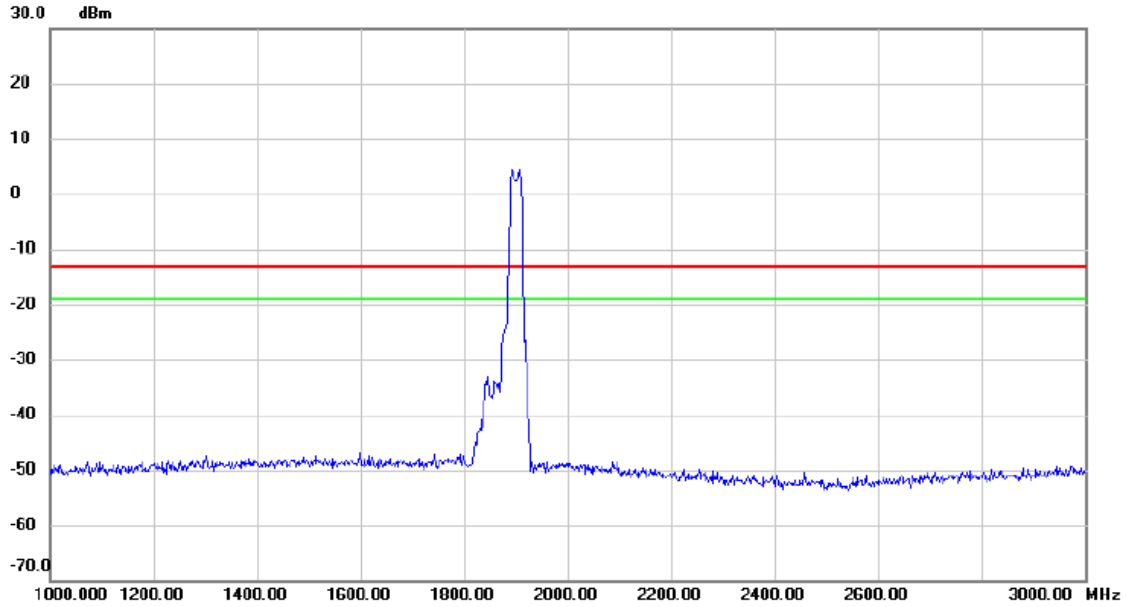
Test Mode: LTE Band 2\_TX CH19100\_20M



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
		1910.00	5.00	0.00	5.00	-15.00	-20.00		

Test Mode: LTE Band 2\_TX CH19100\_20M

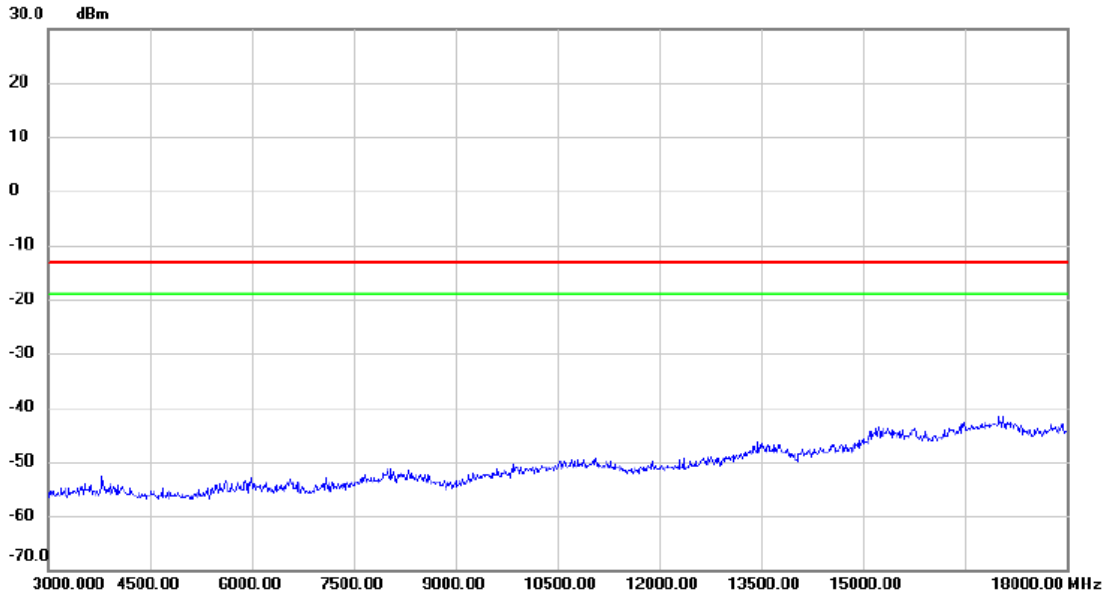
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
		1910.00	5.00	0.00	5.00	-15.00	20.00		

Test Mode: LTE Band 2\_TX CH19100\_20M

**Vertical**

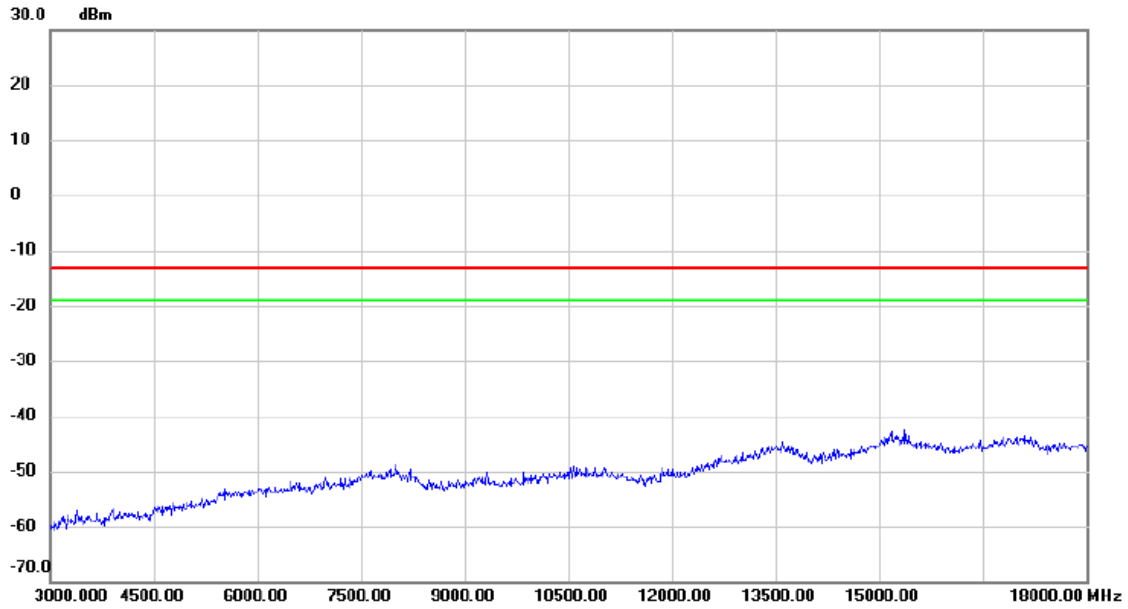


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		



Test Mode: LTE Band 2\_TX CH19100\_20M

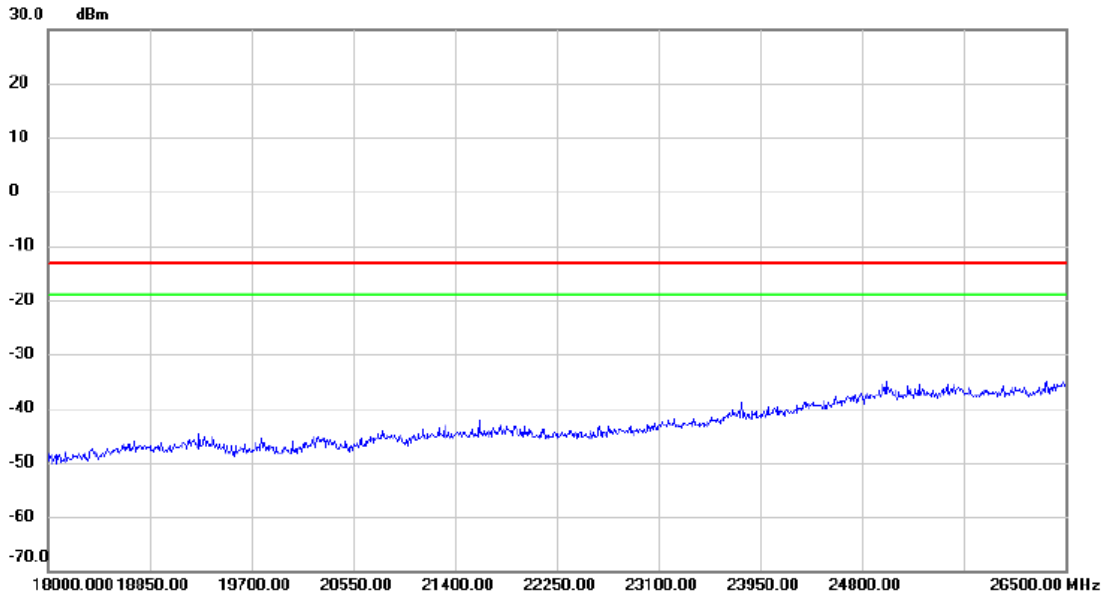
### Horizontal



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

Test Mode: LTE Band 2\_TX CH19100\_20M

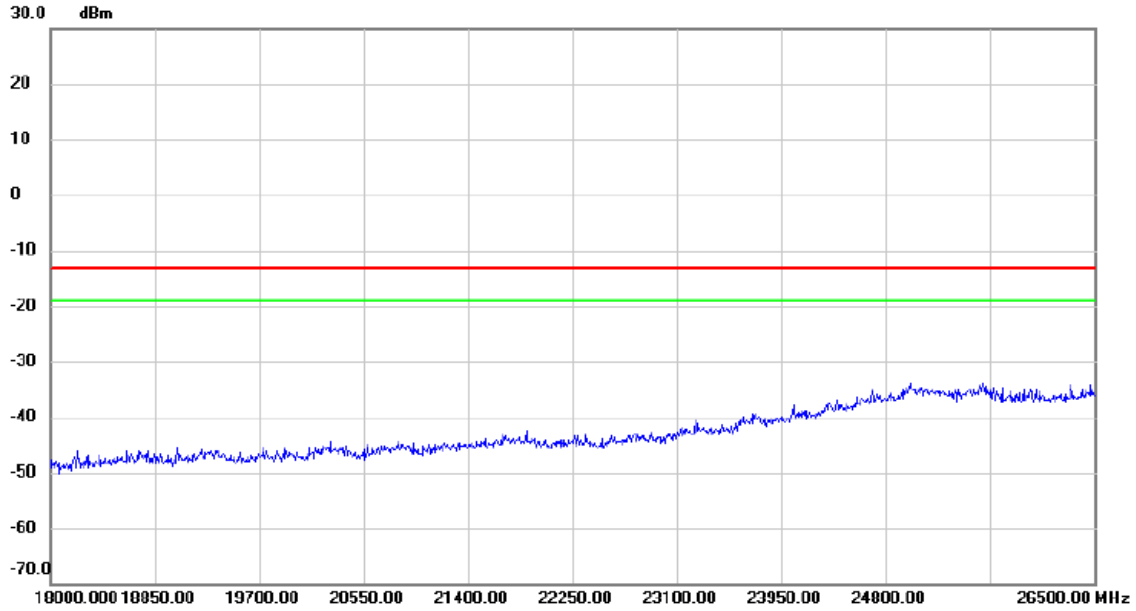
Vertical



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

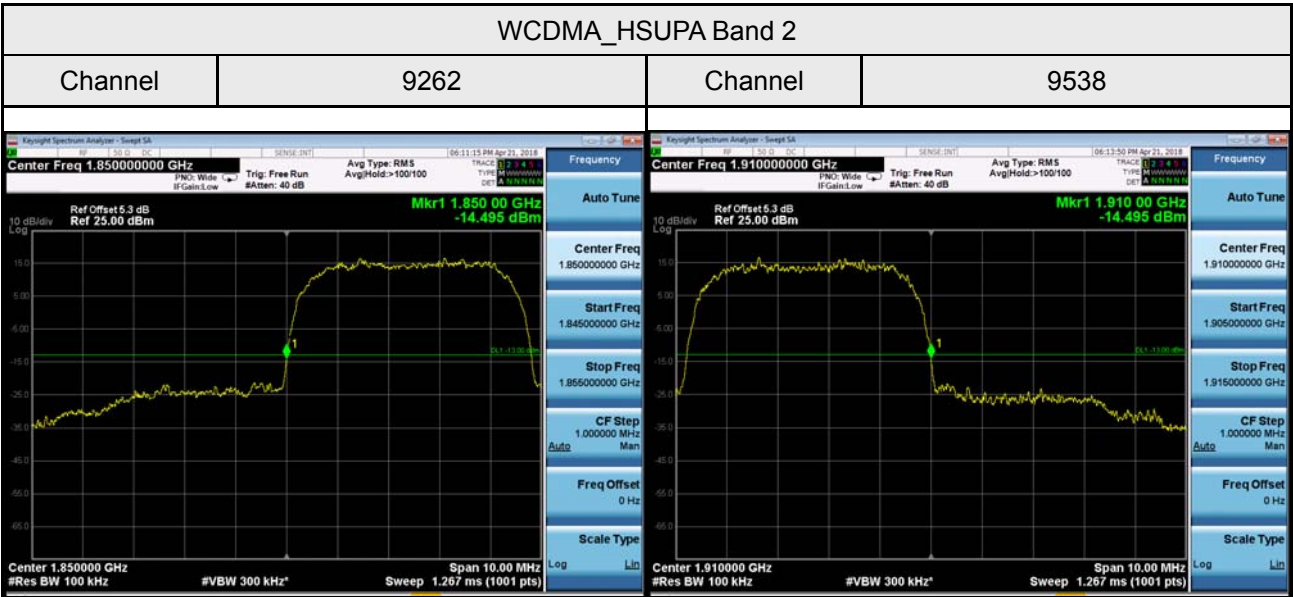
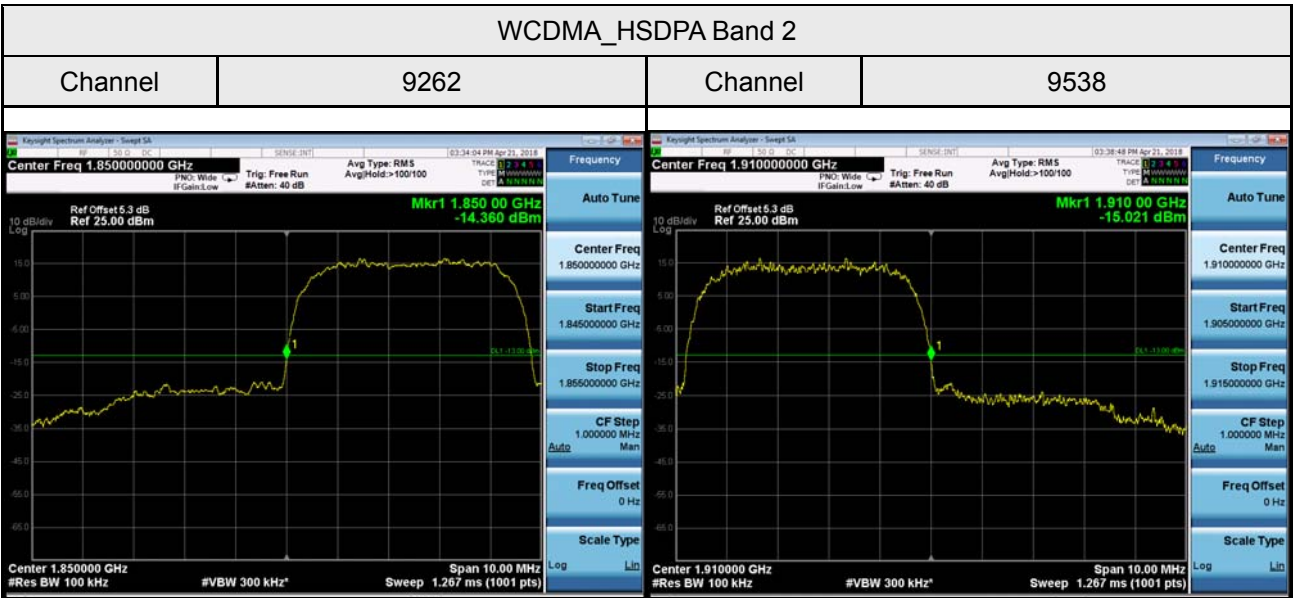
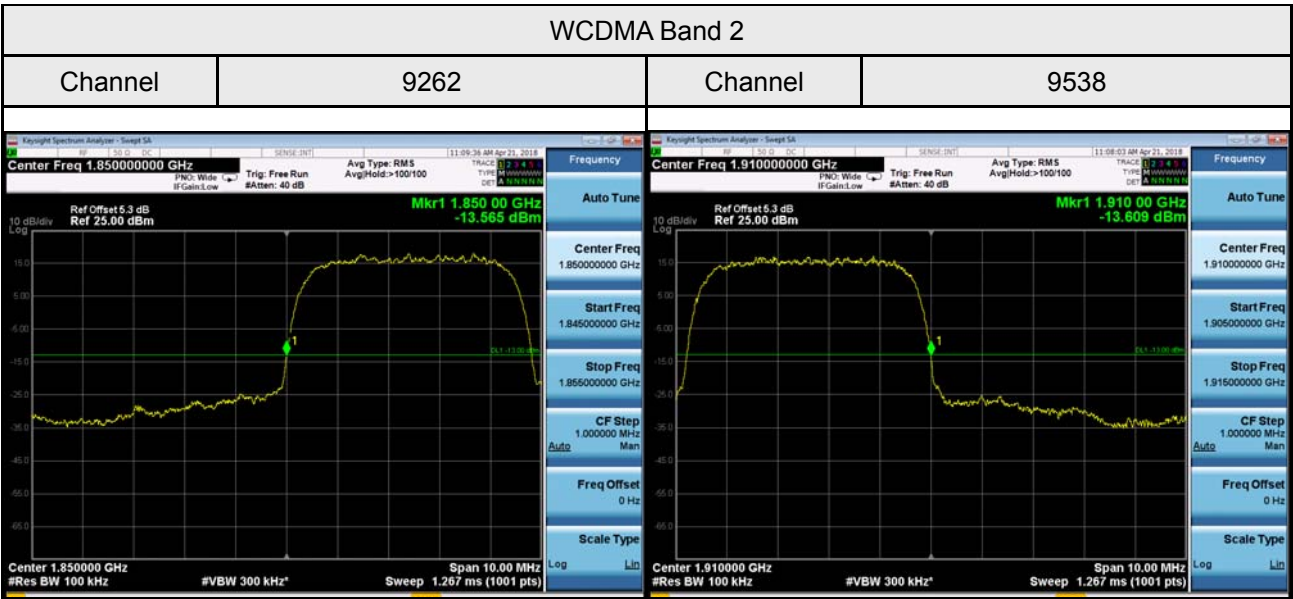
Test Mode: LTE Band 2\_TX CH19100\_20M

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
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## APPENDIX E - BAND EDGE



LTE Band 2\_1.4M

1RB0

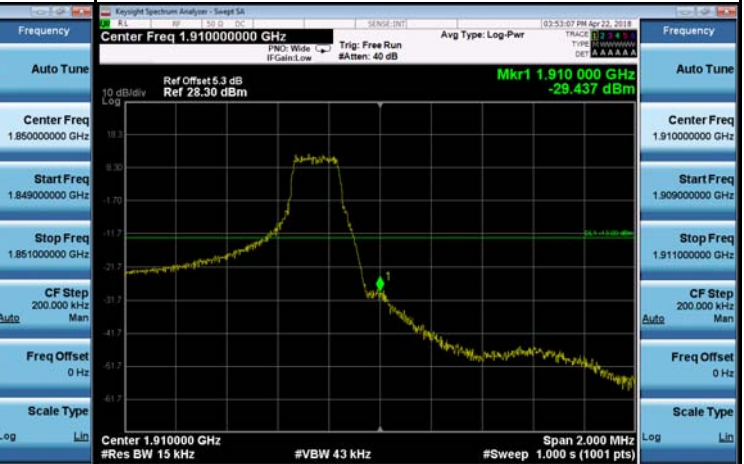
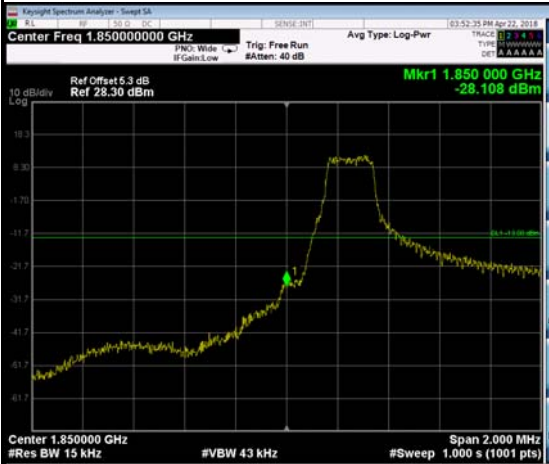
1RB5

Channel

18607

Channel

19193



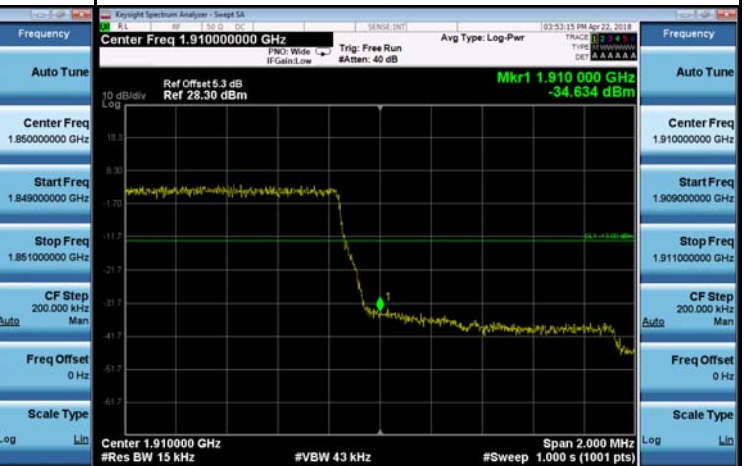
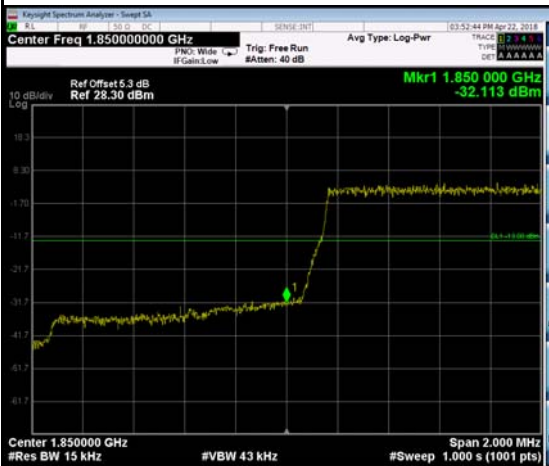
6RB0

Channel

18607

Channel

19193



LTE Band 2\_3M

1RB0

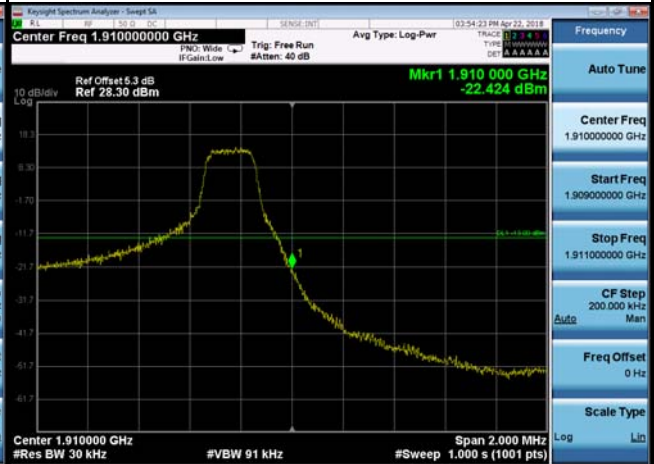
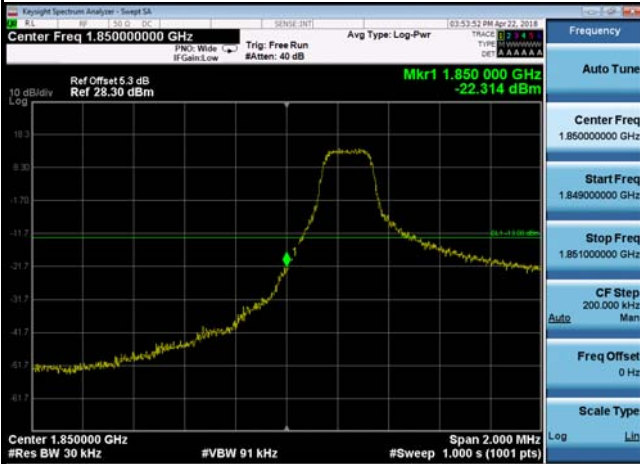
1RB14

Channel

18615

Channel

19185



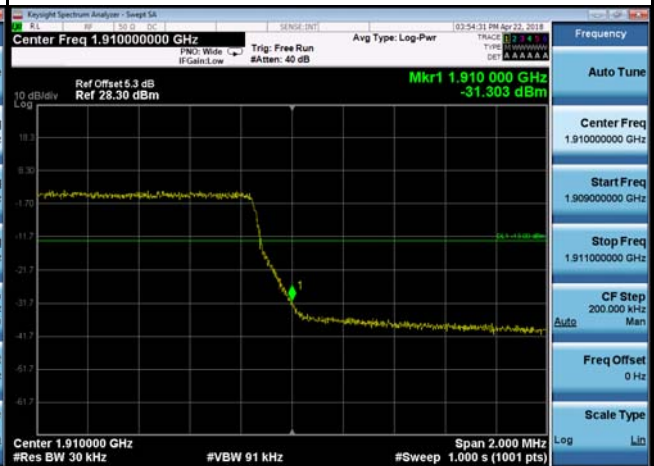
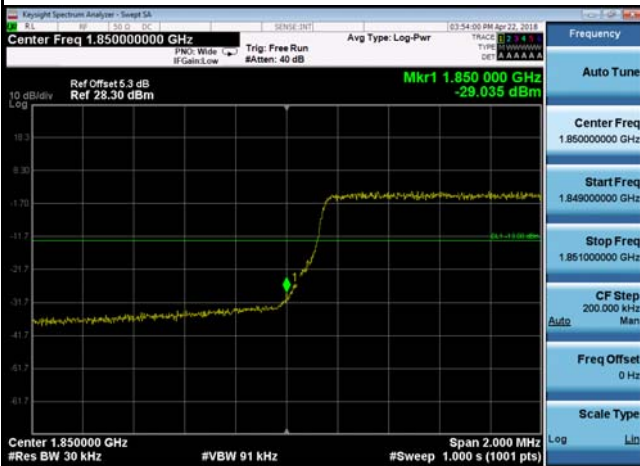
15RB0

Channel

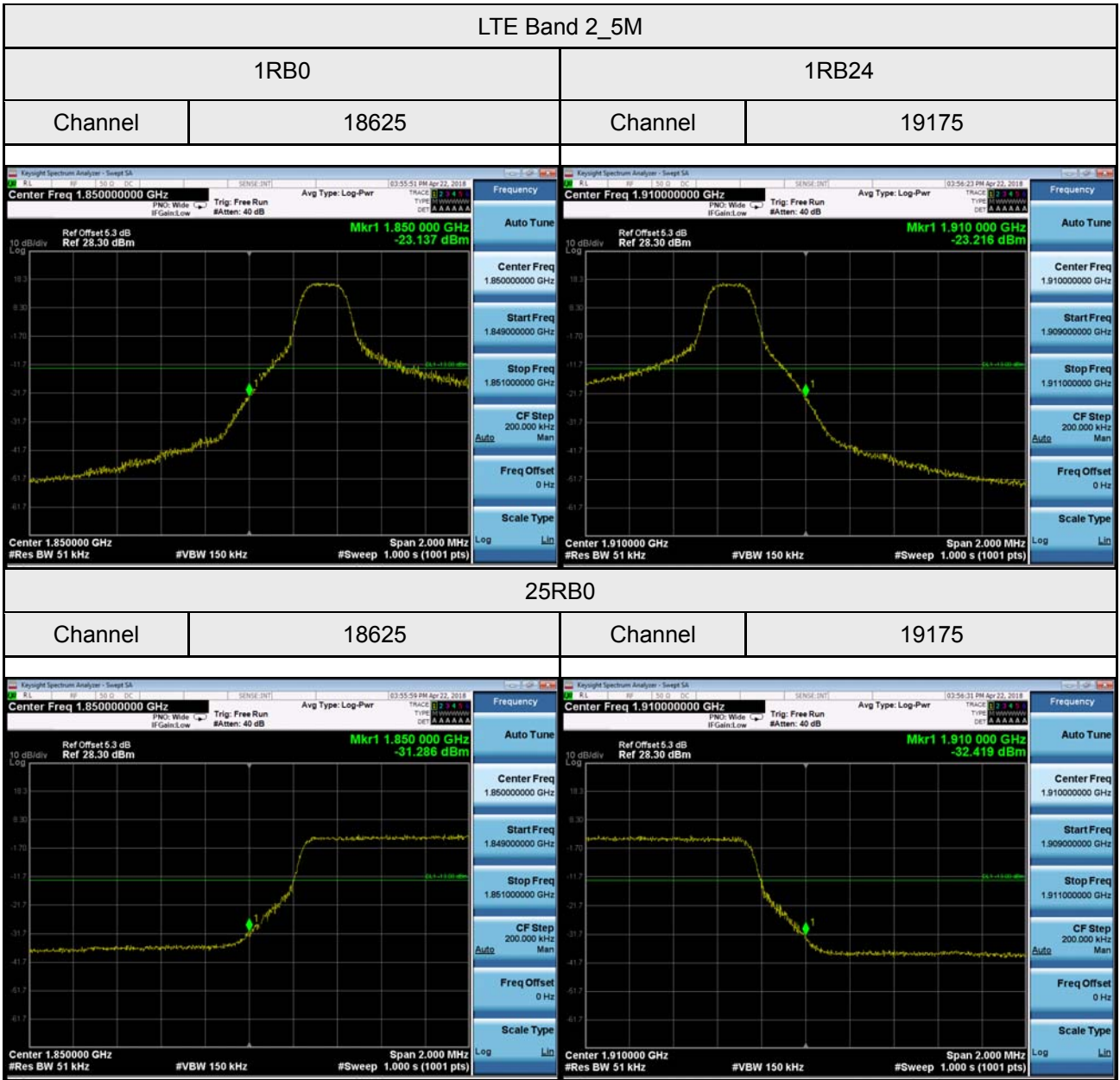
18615

Channel

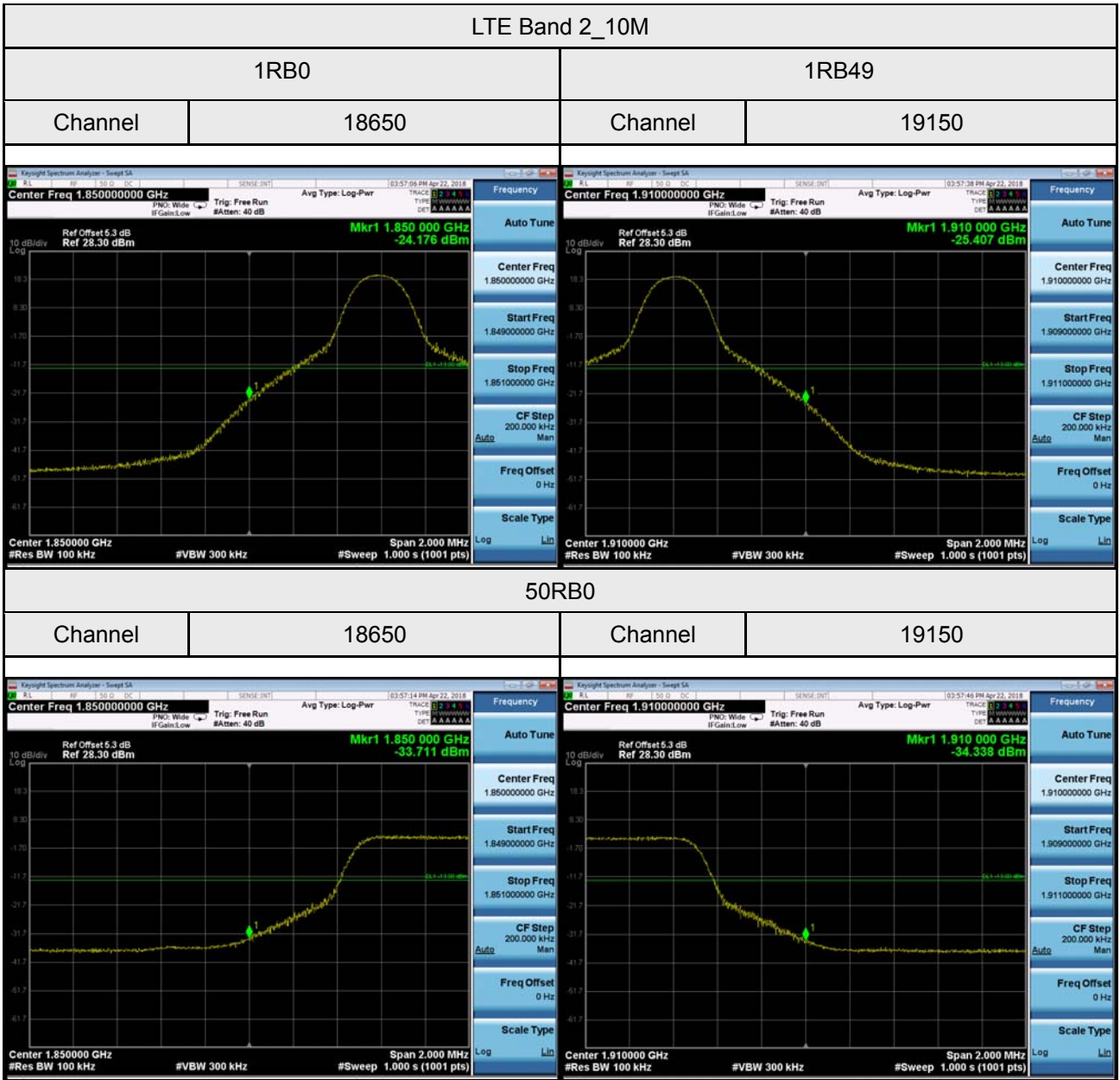
19185

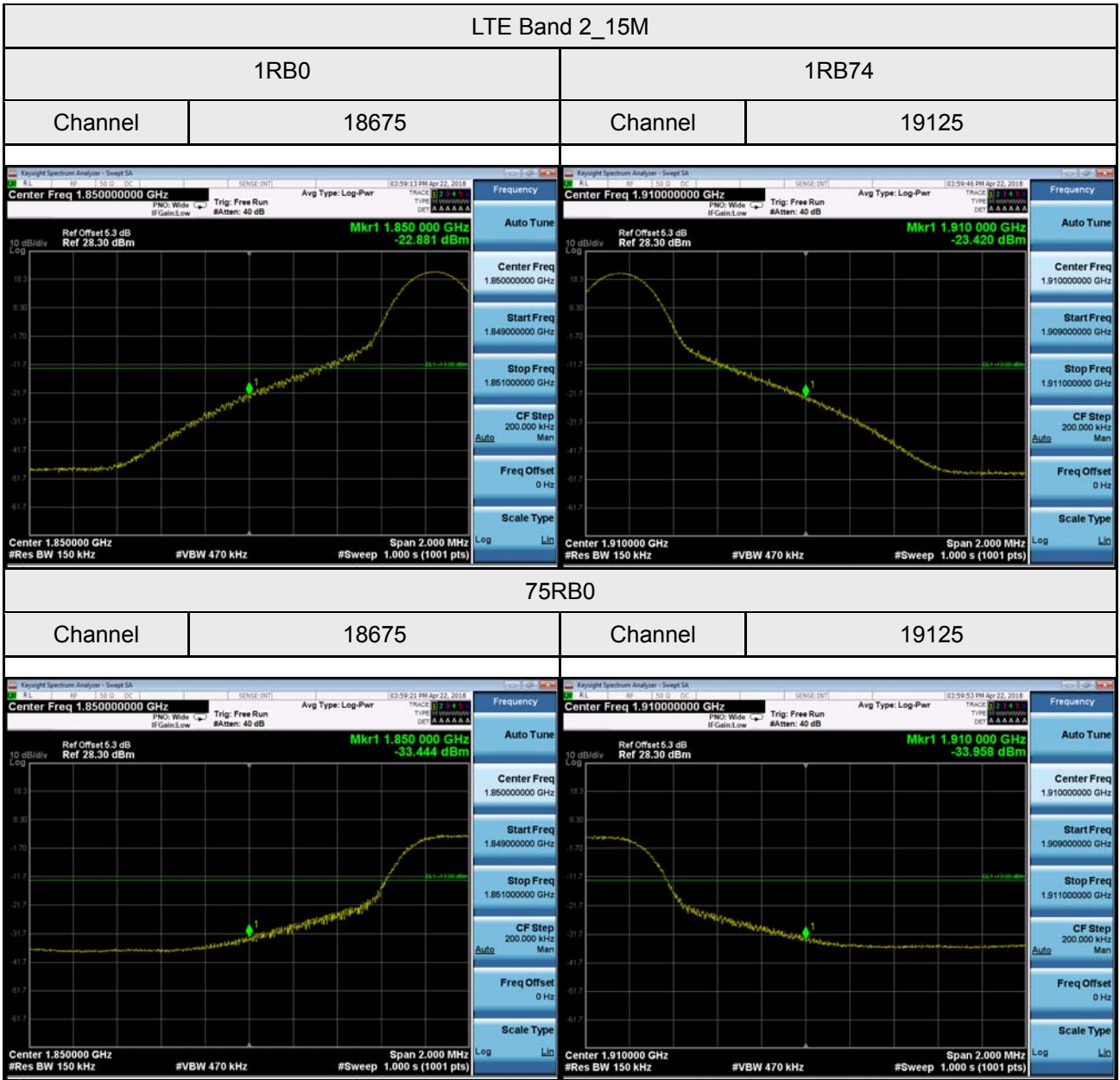


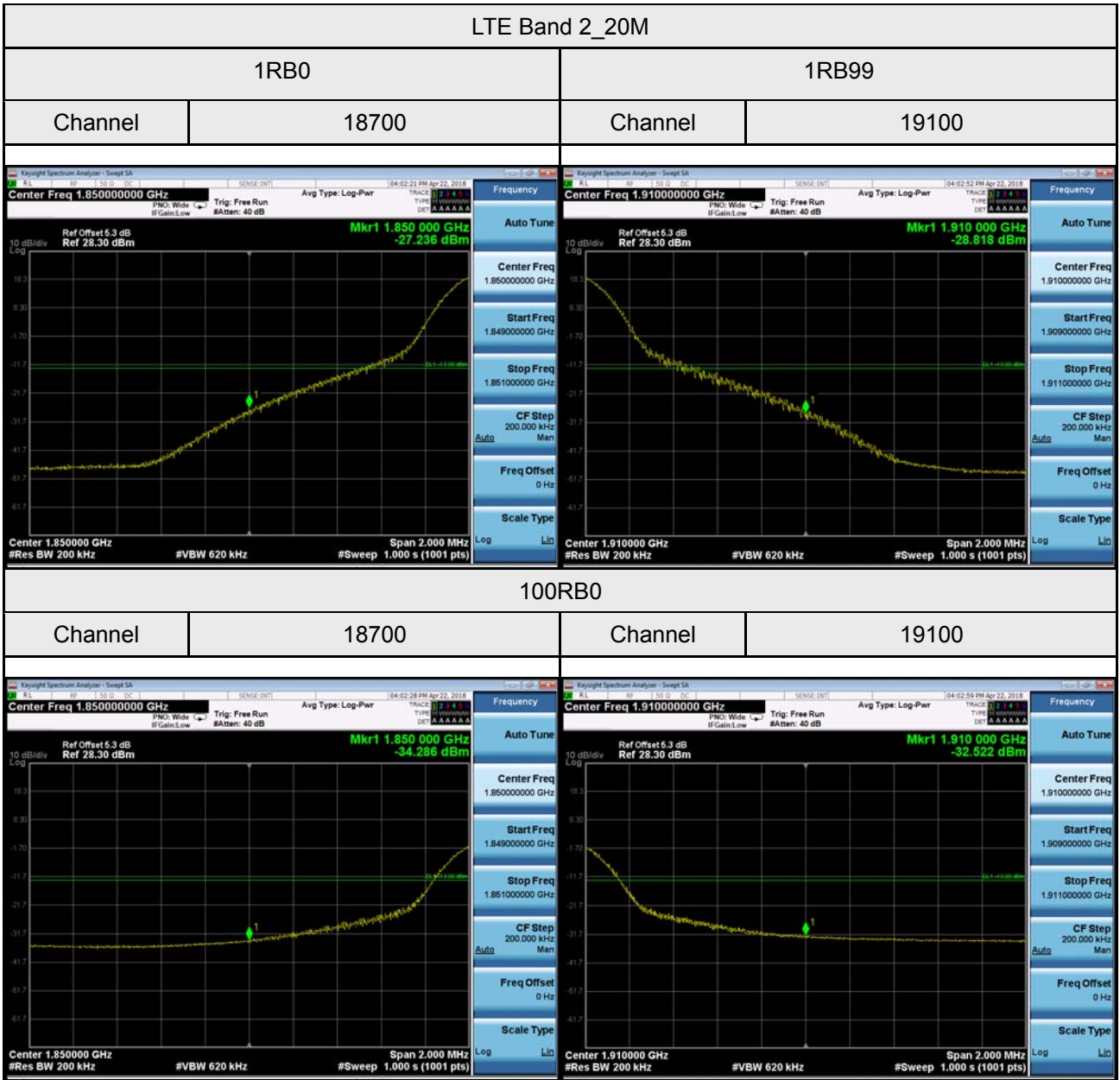






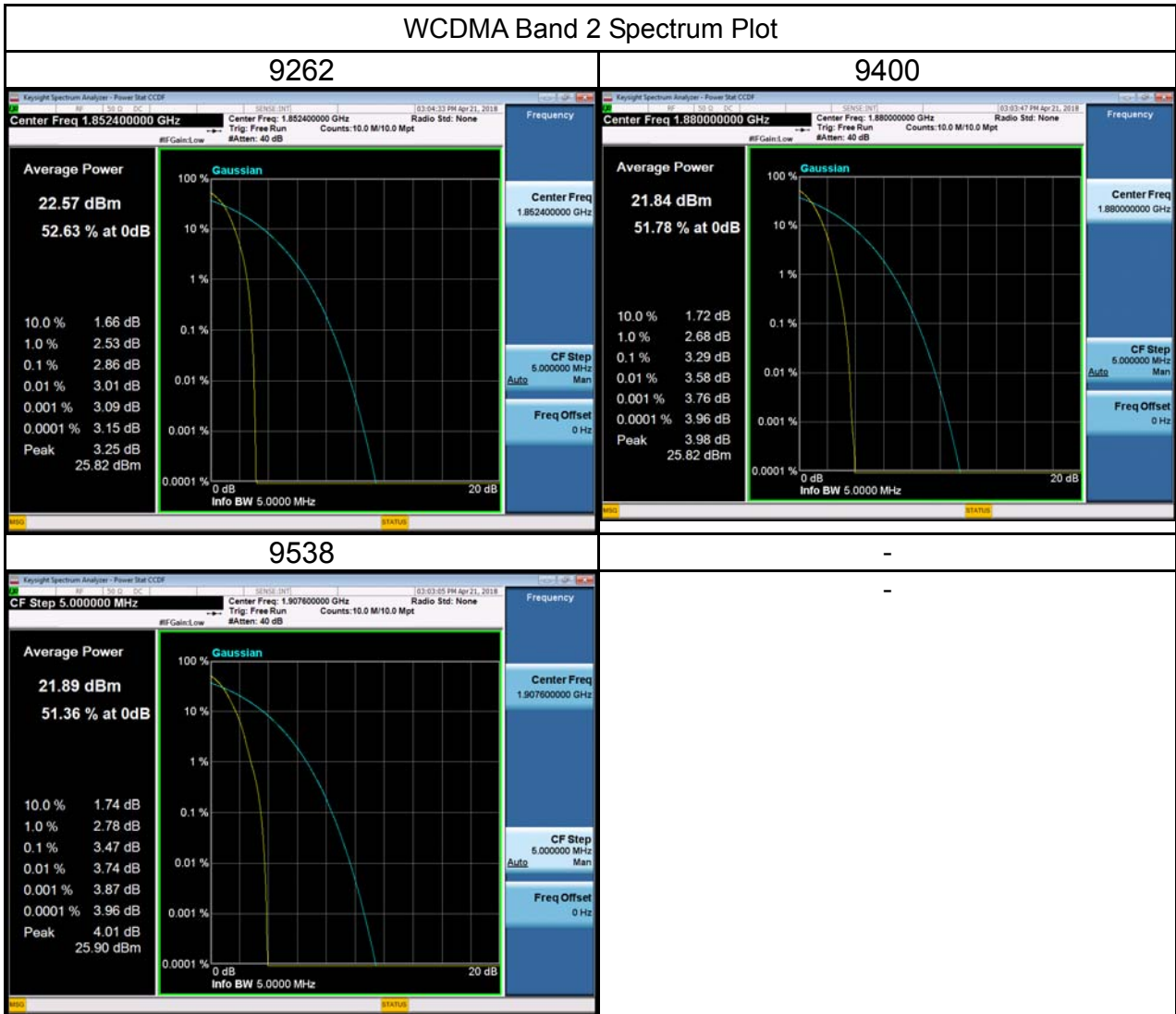




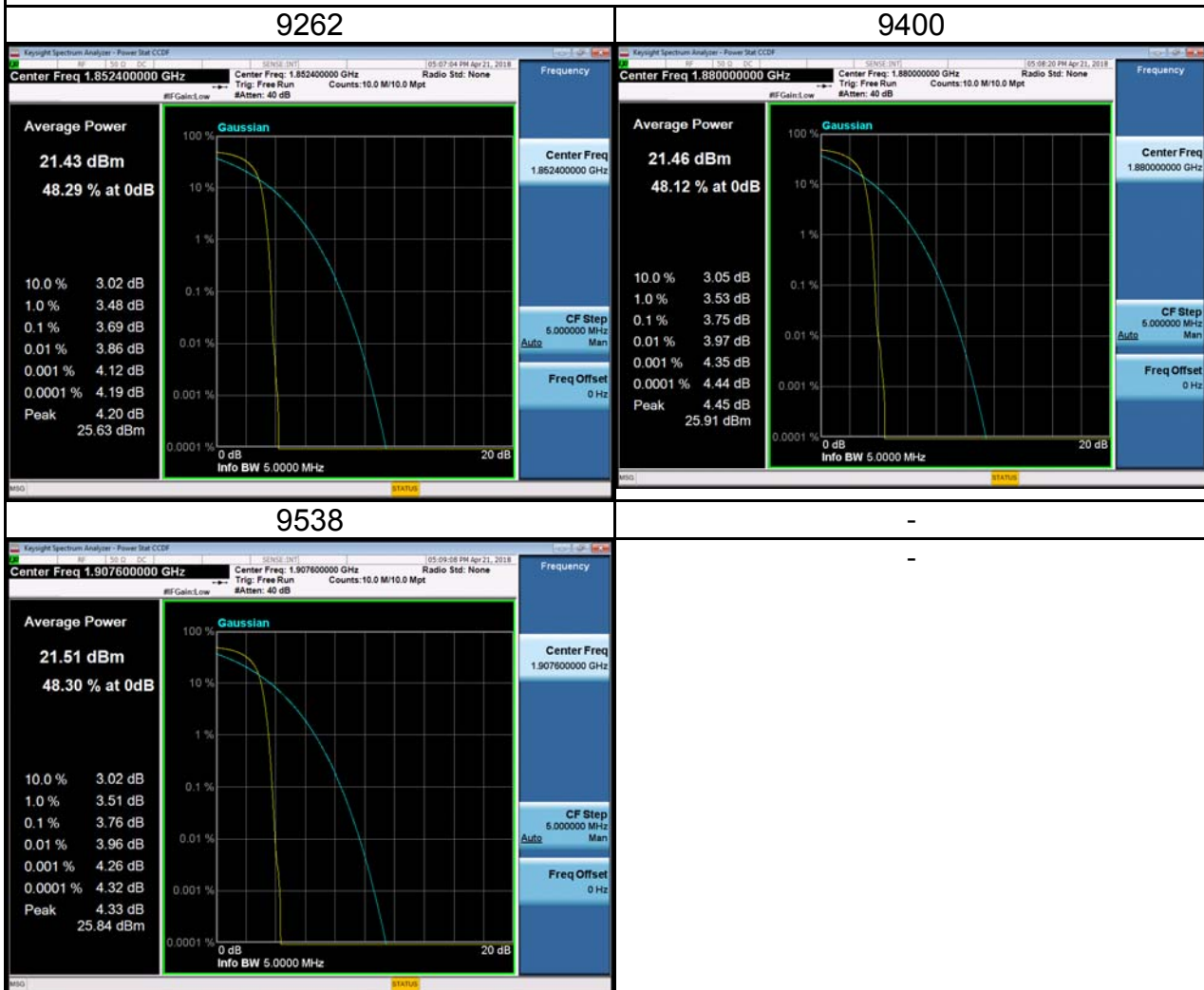


## APPENDIX F - PEAK TO AVERAGE RATIO

### WCDMA Band 2 Spectrum Plot

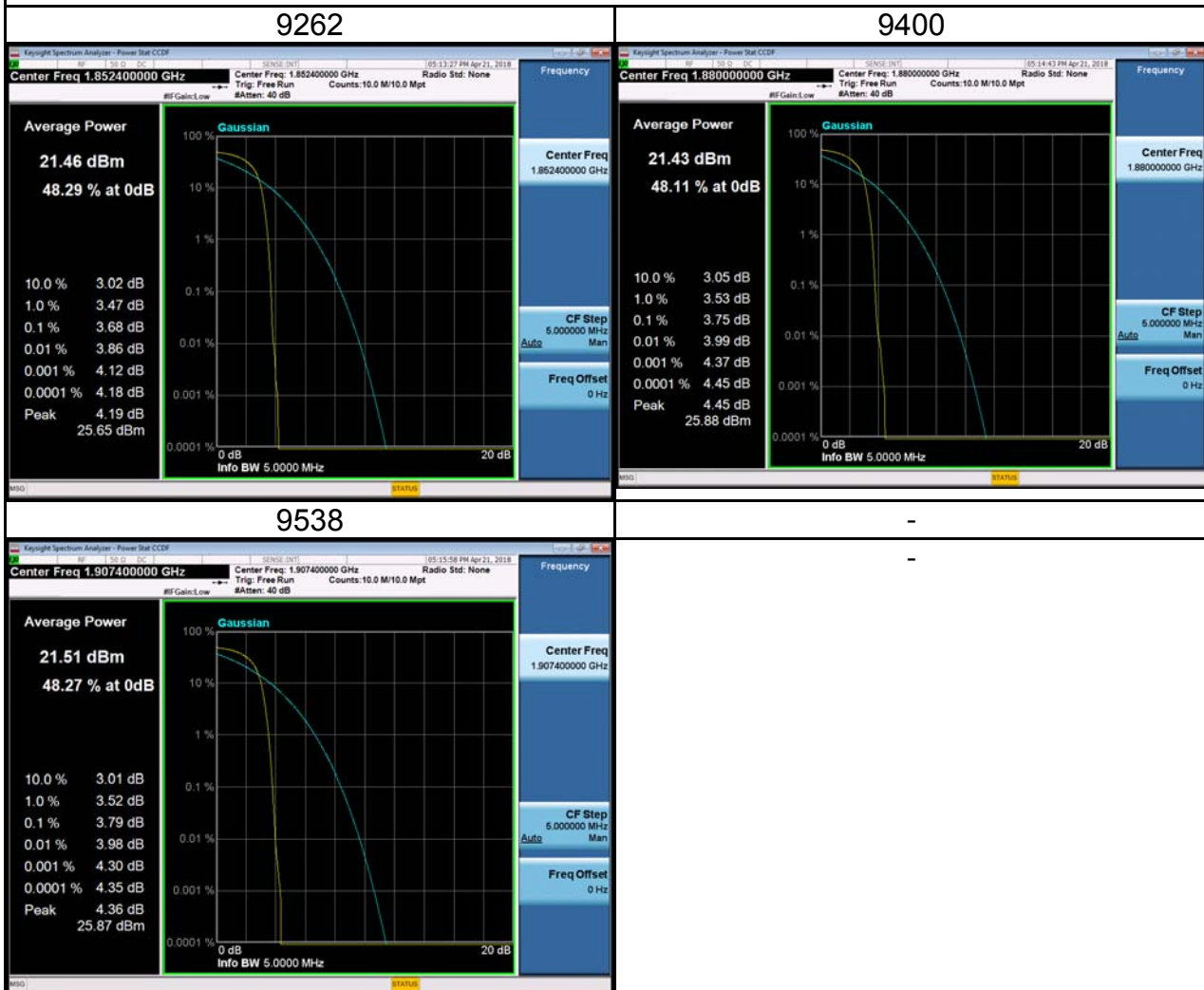


### WCDMA\_HSDPA Band 2 Spectrum Plot

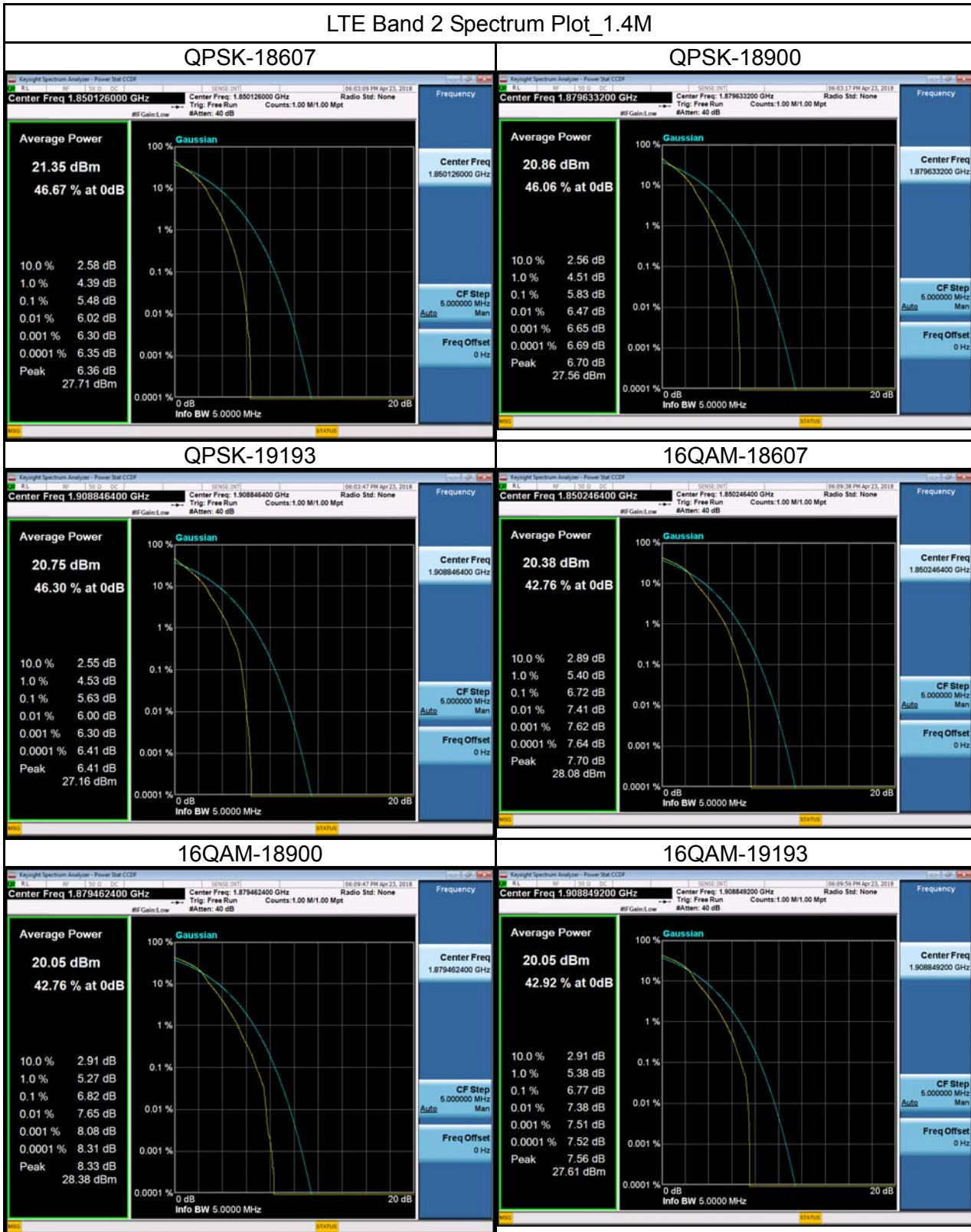




### WCDMA\_HSUPA Band 2 Spectrum Plot

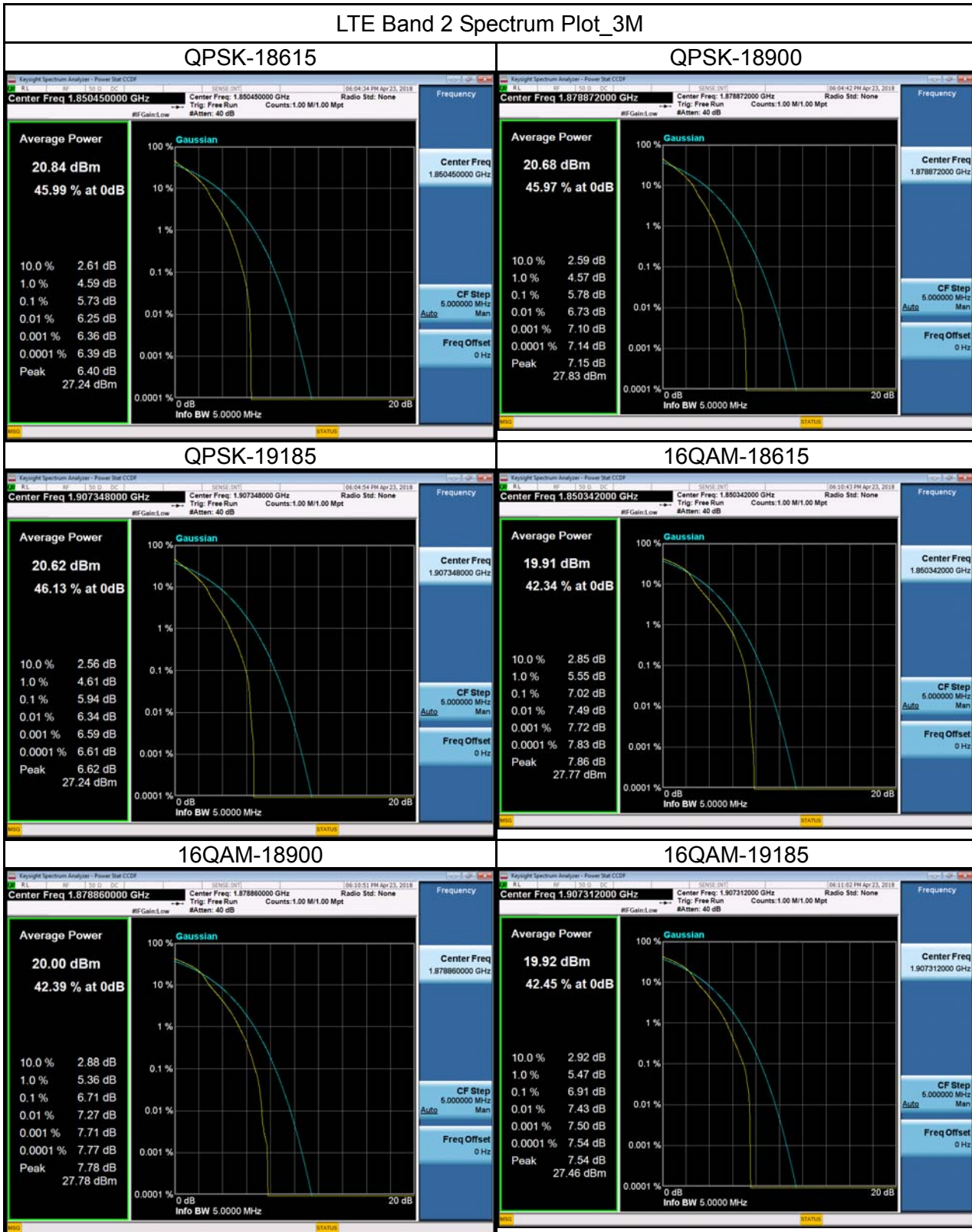


### LTE Band 2 Spectrum Plot\_1.4M

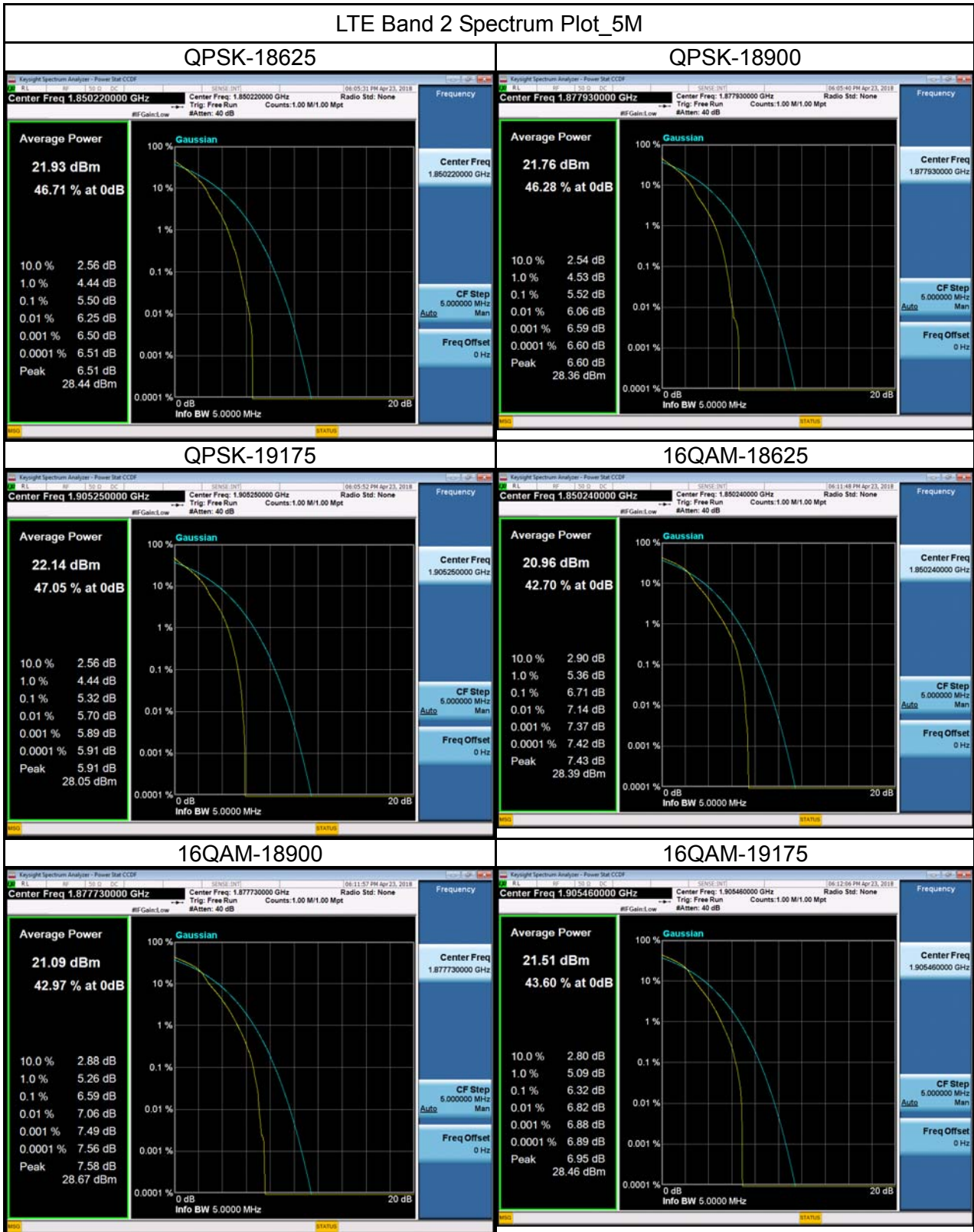




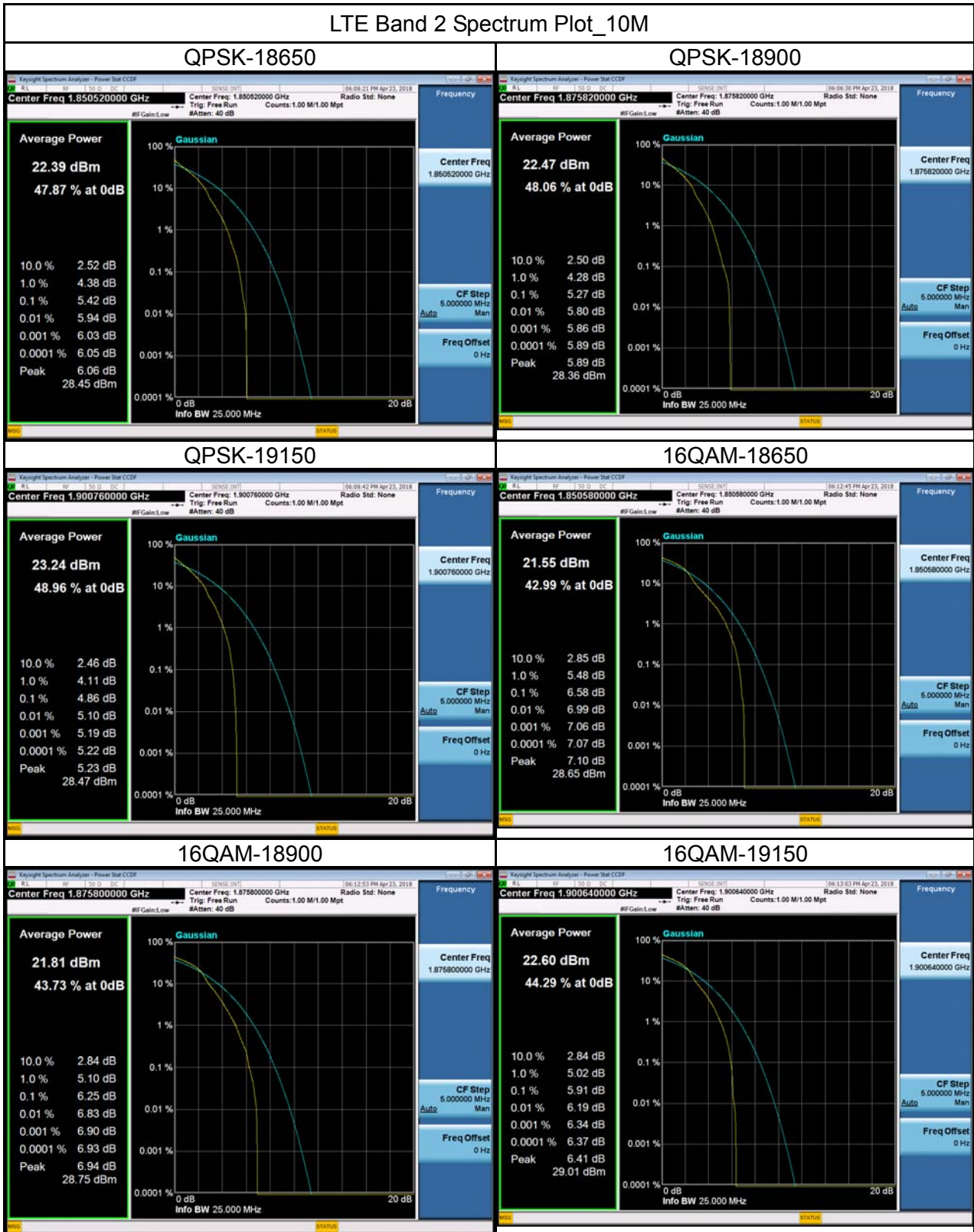
### LTE Band 2 Spectrum Plot\_3M



### LTE Band 2 Spectrum Plot\_5M

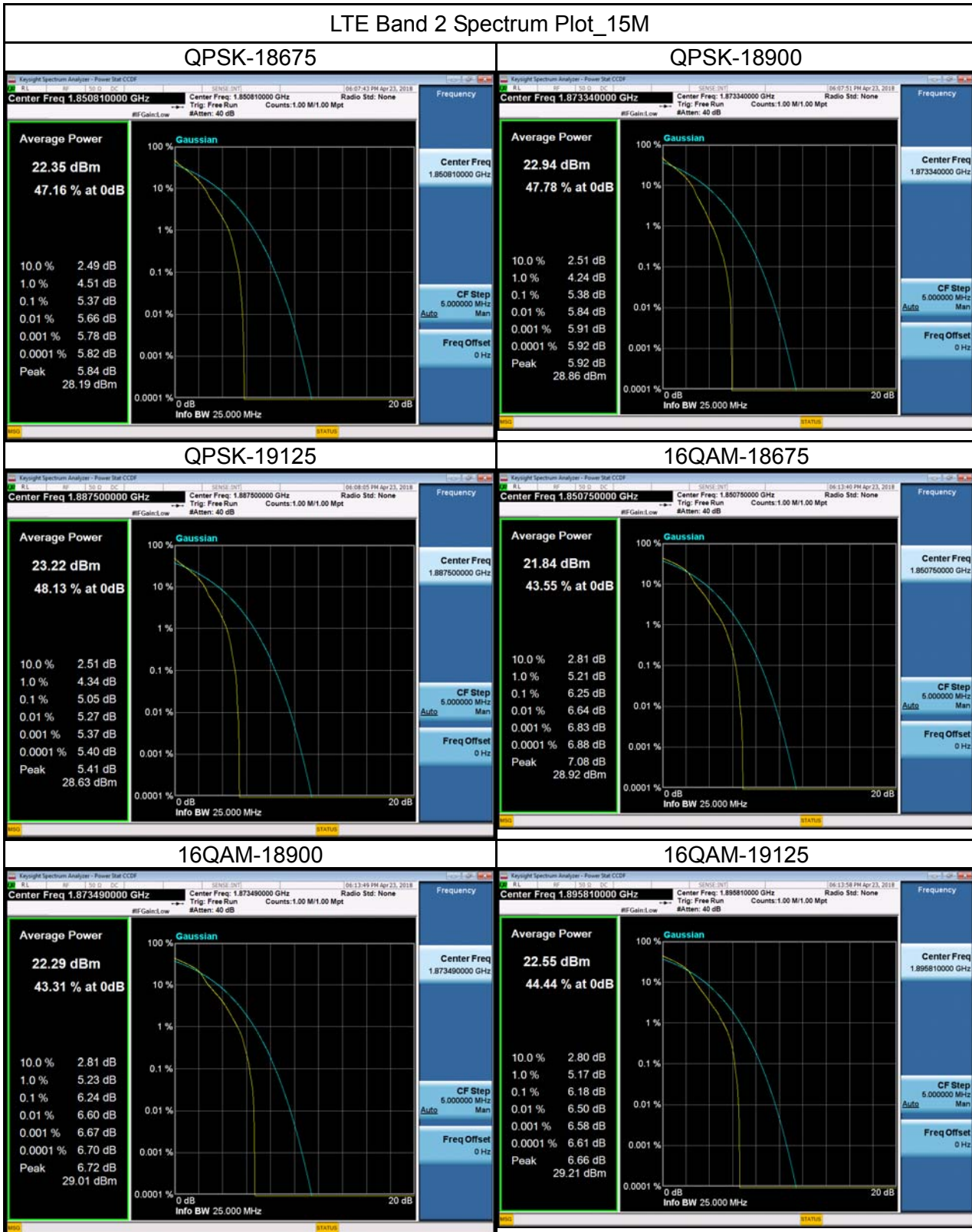


### LTE Band 2 Spectrum Plot\_10M

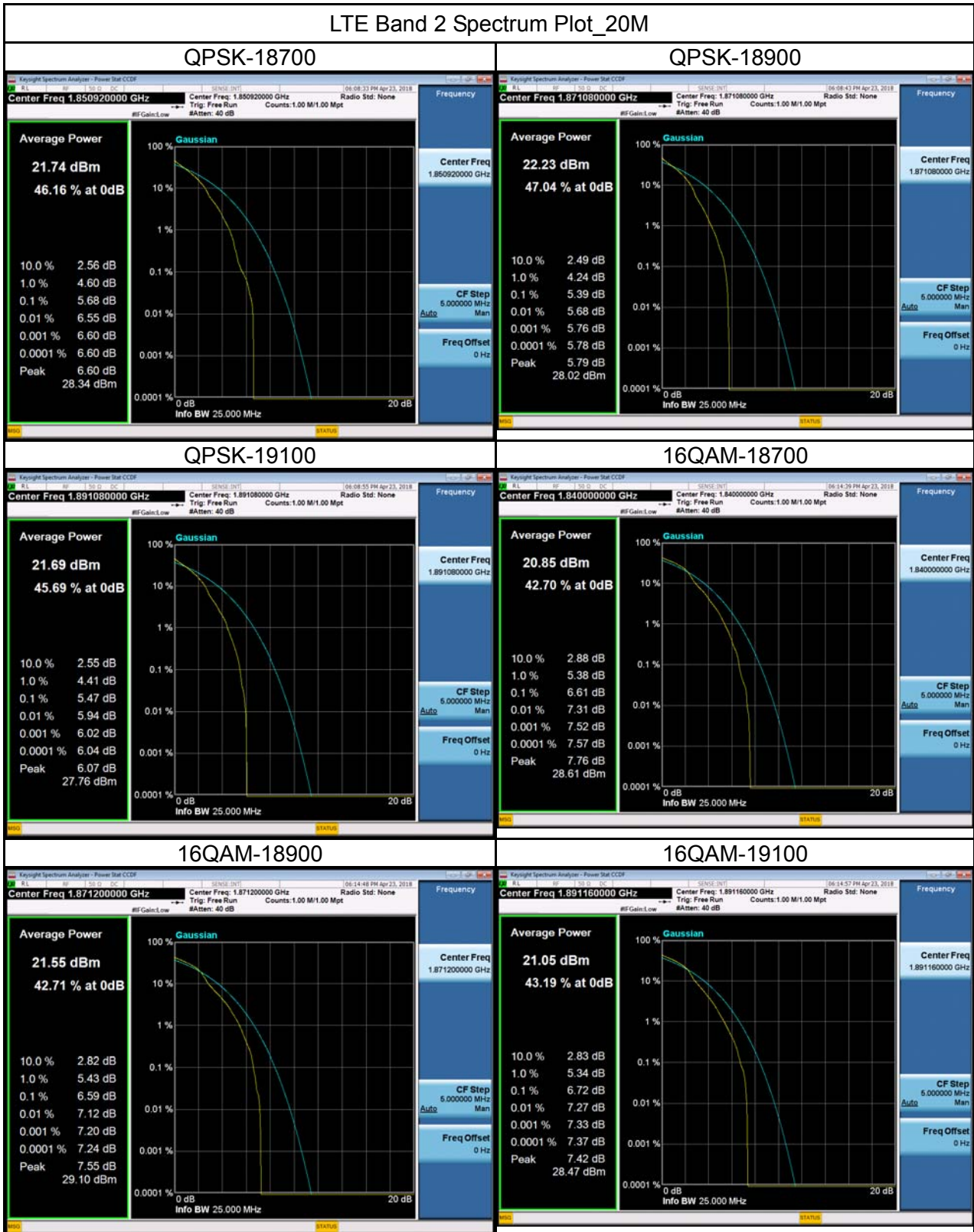




### LTE Band 2 Spectrum Plot\_15M



### LTE Band 2 Spectrum Plot\_20M



## APPENDIX G - FREQUENCY STABILITY

Test Mode:	WCDMA Band 2_CH9538
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	4.62	0.002457447	±2.5
-20	6.59	0.003505319	
-10	2.50	0.001329787	
0	3.07	0.001632979	
10	2.92	0.001553191	
20	3.48	0.001851064	
30	7.17	0.00381383	
40	2.46	0.001308511	
50	3.62	0.001925532	
Max. Deviation (ppm)	<b>7.17</b>	<b>0.00381383</b>	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	0.99	0.000526596	±2.5
3.8	2.54	0.001351064	
3.6	3.57	0.001898936	
Max. Deviation (ppm)	<b>3.57</b>	<b>0.001898936</b>	

Test Mode:	LTE Band 2_CH19193_1.4M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	4.35	0.00231383	±2.5
-20	-5.67	-0.003015957	
-10	4.22	0.002244681	
0	-3.40	-0.001808511	
10	-1.55	-0.000824468	
20	-0.59	-0.00031383	
30	1.02	0.000542553	
40	-3.10	-0.001648936	
50	4.44	0.002361702	
Max. Deviation (ppm)	<b>-5.67</b>	<b>-0.003015957</b>	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	3.58	0.001904255	±2.5
3.8	-2.03	-0.001079787	
3.6	5.05	0.00268617	
Max. Deviation (ppm)	<b>5.05</b>	<b>0.00268617</b>	



Test Mode:	LTE Band 2_CH19185_3M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	4.29	0.002281915	±2.5
-20	-5.56	-0.002957447	
-10	-3.89	-0.002069149	
0	-3.49	-0.001856383	
10	4.83	0.002569149	
20	3.99	0.00212234	
30	-2.31	-0.001228723	
40	-4.81	-0.002558511	
50	5.58	0.002968085	
Max. Deviation (ppm)	<b>5.58</b>	<b>0.002968085</b>	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-4.01	-0.002132979	±2.5
3.8	-6.18	-0.003287234	
3.6	4.10	0.002180851	
Max. Deviation (ppm)	<b>-6.18</b>	<b>-0.003287234</b>	

Test Mode:	LTE Band 2_CH19175_5M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	3.63	0.001930851	±2.5
-20	4.84	0.002574468	
-10	-5.72	-0.003042553	
0	-3.45	-0.001835106	
10	2.60	0.001382979	
20	-8.48	-0.004510638	
30	-1.92	-0.001021277	
40	5.57	0.002962766	
50	2.32	0.001234043	
Max. Deviation (ppm)	<b>-8.48</b>	<b>-0.004510638</b>	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	3.24	0.001723404	±2.5
3.8	-4.31	-0.002292553	
3.6	-0.82	-0.00043617	
Max. Deviation (ppm)	<b>-4.31</b>	<b>-0.002292553</b>	

Test Mode:	LTE Band 2_CH19150_10M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	3.56	0.001893617	±2.5
-20	-2.52	-0.001340426	
-10	-3.50	-0.001861702	
0	-2.56	-0.001361702	
10	1.66	0.000882979	
20	3.22	0.001712766	
30	3.81	0.002026596	
40	4.13	0.002196809	
50	3.64	0.00193617	
Max. Deviation (ppm)	<b>4.13</b>	<b>0.002196809</b>	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.5	2.67	0.001420213	±2.5
5	3.75	0.001994681	
5.5	4.12	0.002191489	
Max. Deviation (ppm)	<b>4.12</b>	<b>0.002191489</b>	

Test Mode:	LTE Band 2_CH19125_15M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	1.60	0.000851064	±2.5
-20	5.23	0.002781915	
-10	3.31	0.001760638	
0	-2.57	-0.001367021	
10	-4.75	-0.002526596	
20	5.54	0.002946809	
30	4.01	0.002132979	
40	1.03	0.000547872	
50	5.83	0.003101064	
Max. Deviation (ppm)	<b>5.83</b>	<b>0.003101064</b>	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	2.20	0.001170213	±2.5
3.8	-1.05	-0.000558511	
3.6	6.77	0.003601064	
Max. Deviation (ppm)	<b>6.77</b>	<b>0.003601064</b>	

Test Mode:	LTE Band 2_CH19100_20M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	3.59	0.001909574	±2.5
-20	2.93	0.001558511	
-10	-3.29	-0.00175	
0	-2.13	-0.001132979	
10	6.70	0.00356383	
20	2.40	0.001276596	
30	5.37	0.002856383	
40	-3.43	-0.001824468	
50	5.45	0.002898936	
Max. Deviation (ppm)	<b>6.7</b>	<b>0.00356383</b>	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	6.41	0.003409574	±2.5
3.8	3.69	0.001962766	
3.6	-2.36	-0.001255319	
Max. Deviation (ppm)	<b>6.41</b>	<b>0.003409574</b>	