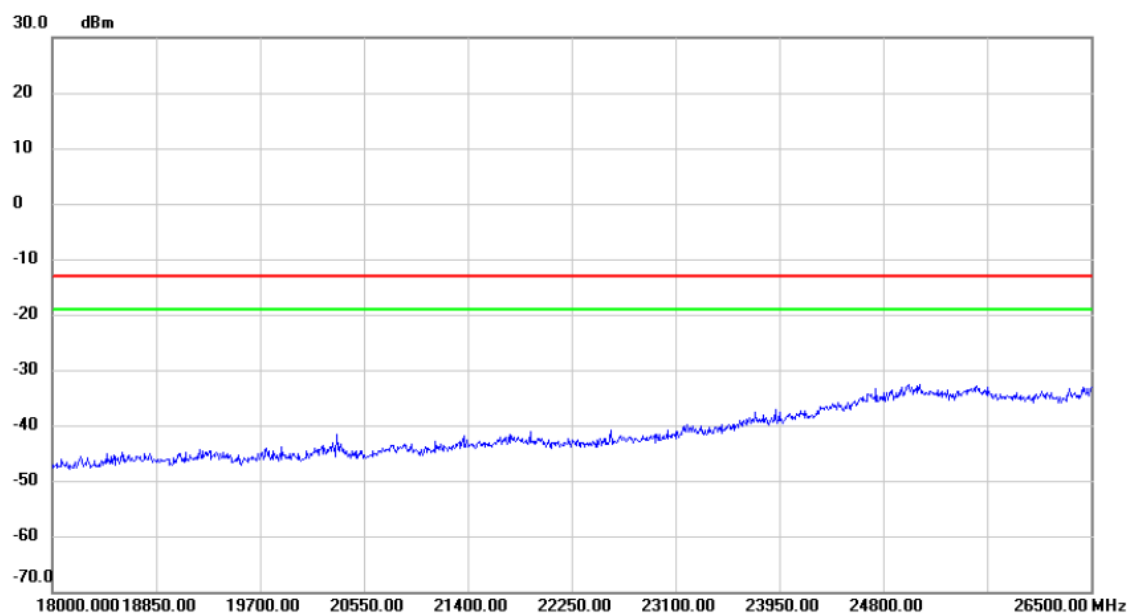


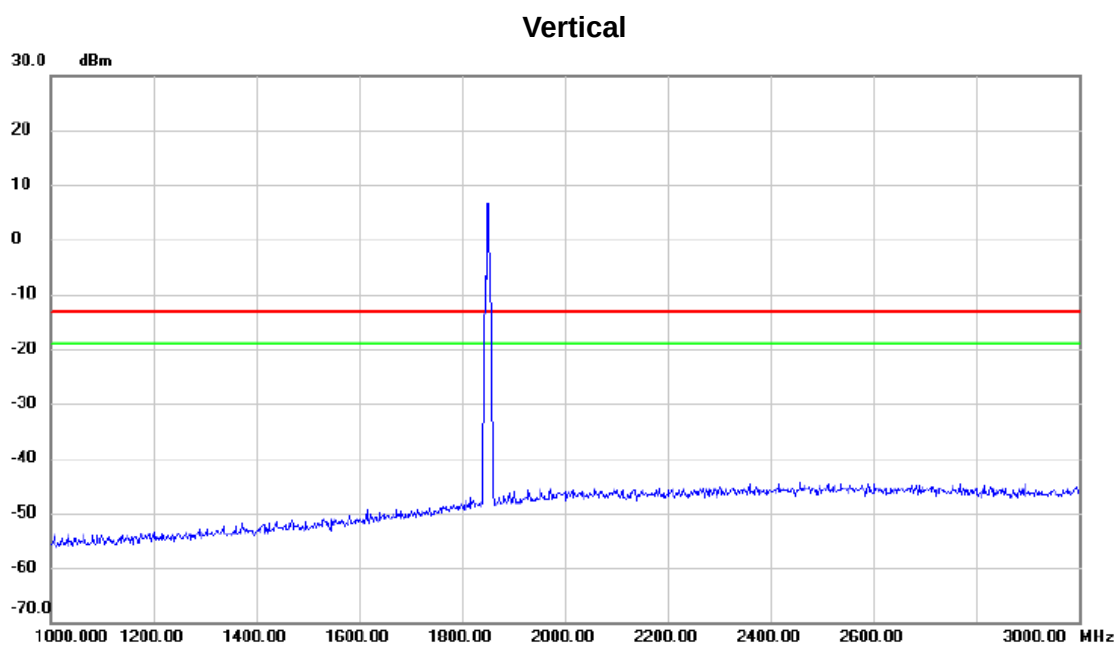
Test Mode:	WCDMA Band 2_HSUPA_TX CH9538
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Horizontal



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

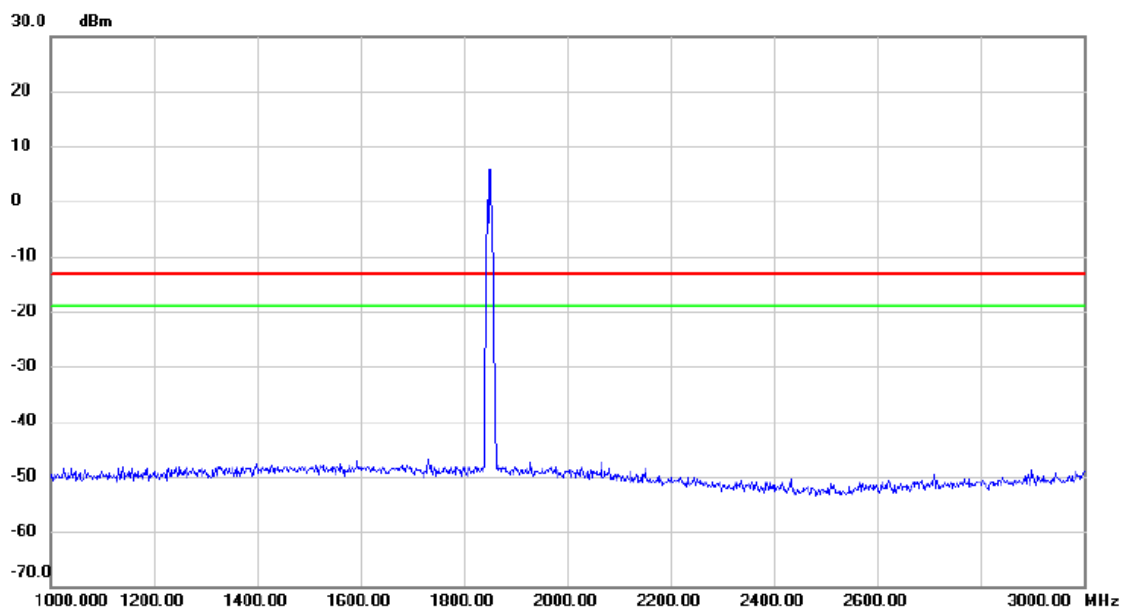
Test Mode:	LTE Band 2_TX CH19193_1.4M
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 2_TX CH19193_1.4M
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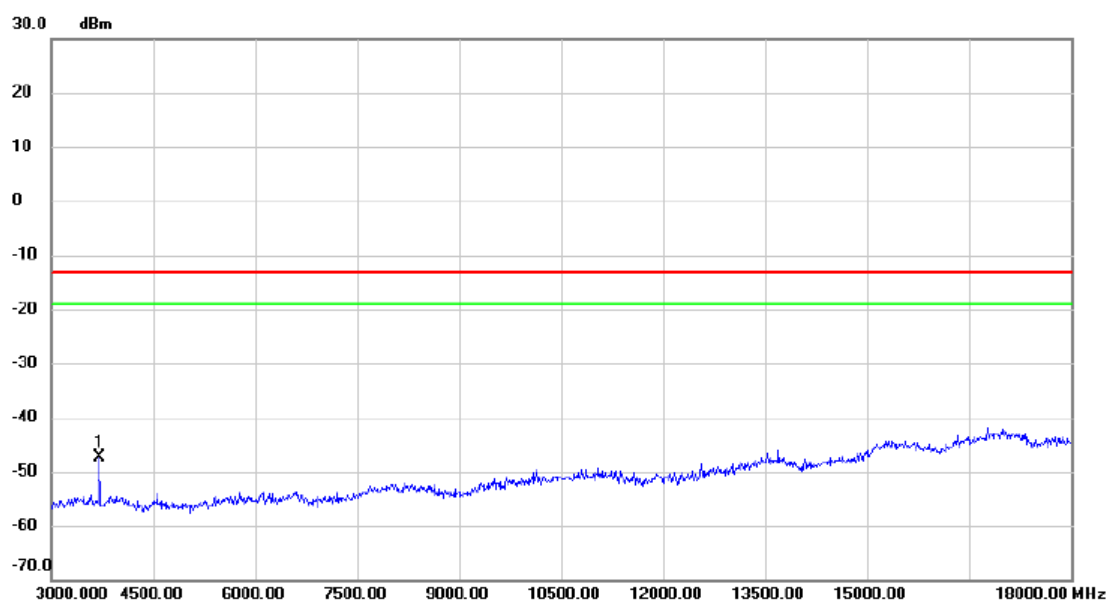
Horizontal



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

Test Mode: LTE Band 2_TX CH19193_1.4M

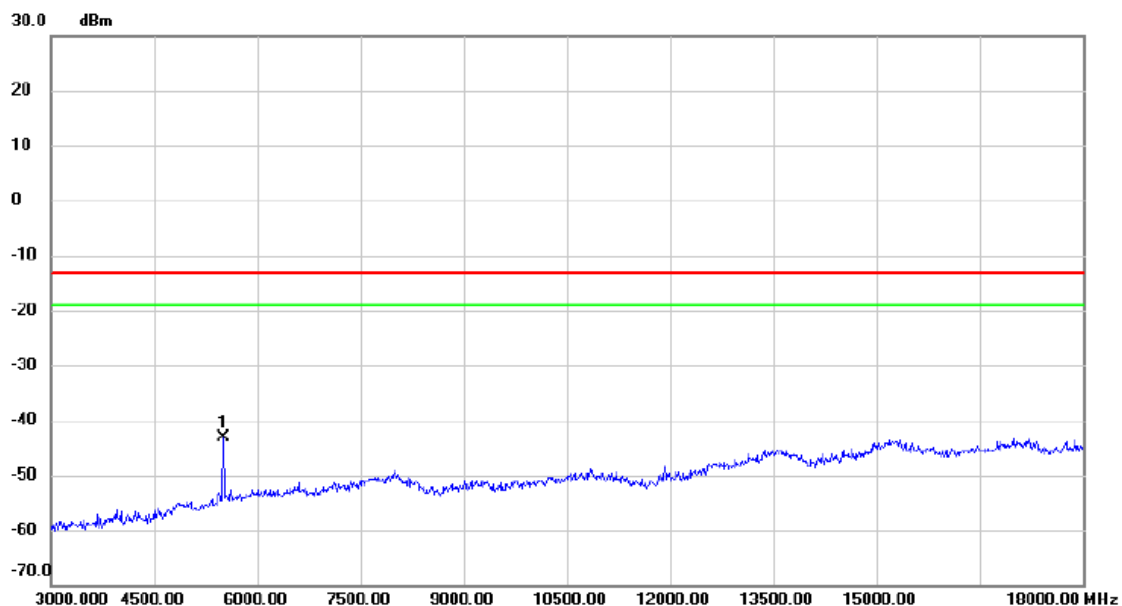
Vertical



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

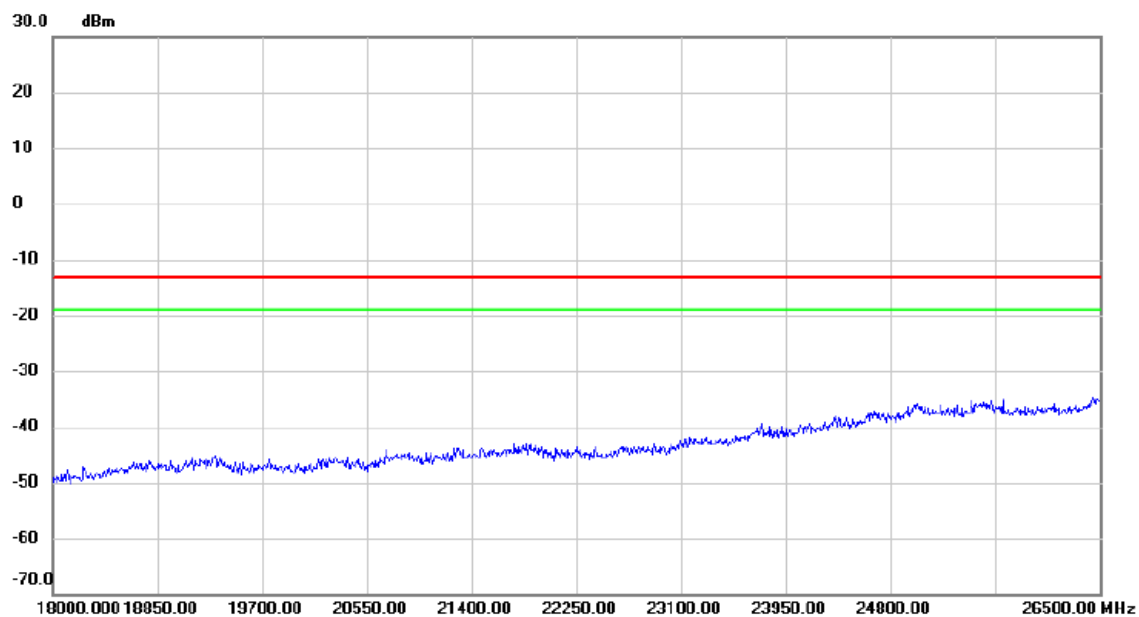
Horizontal



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
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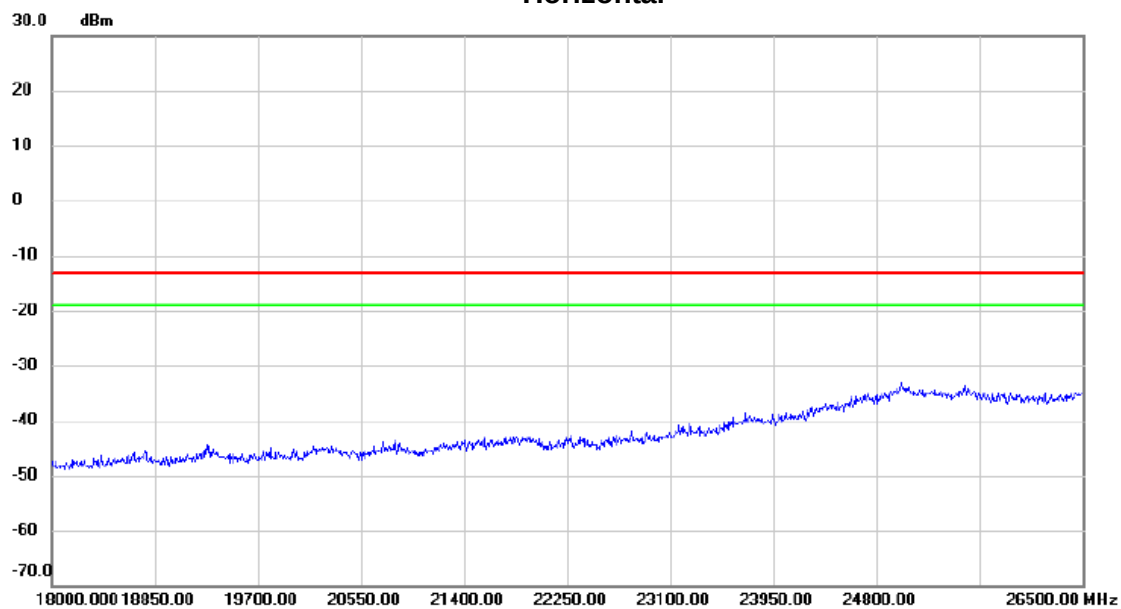
Vertical



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

Test Mode: LTE Band 2_TX CH19193_1.4M

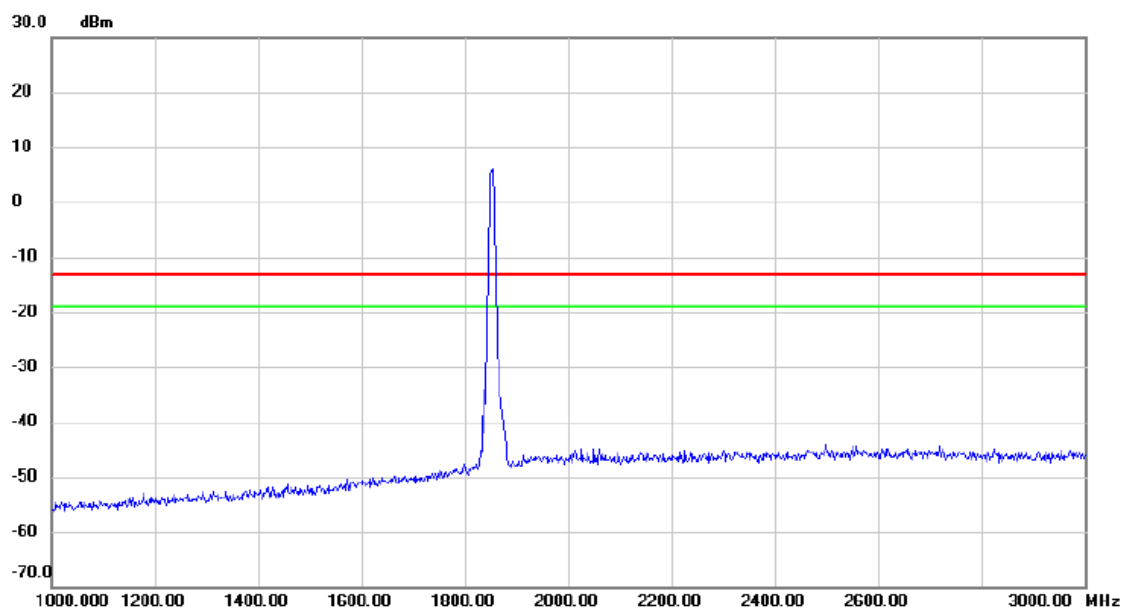
Horizontal



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

Test Mode: LTE Band 2_TX CH19175_5M

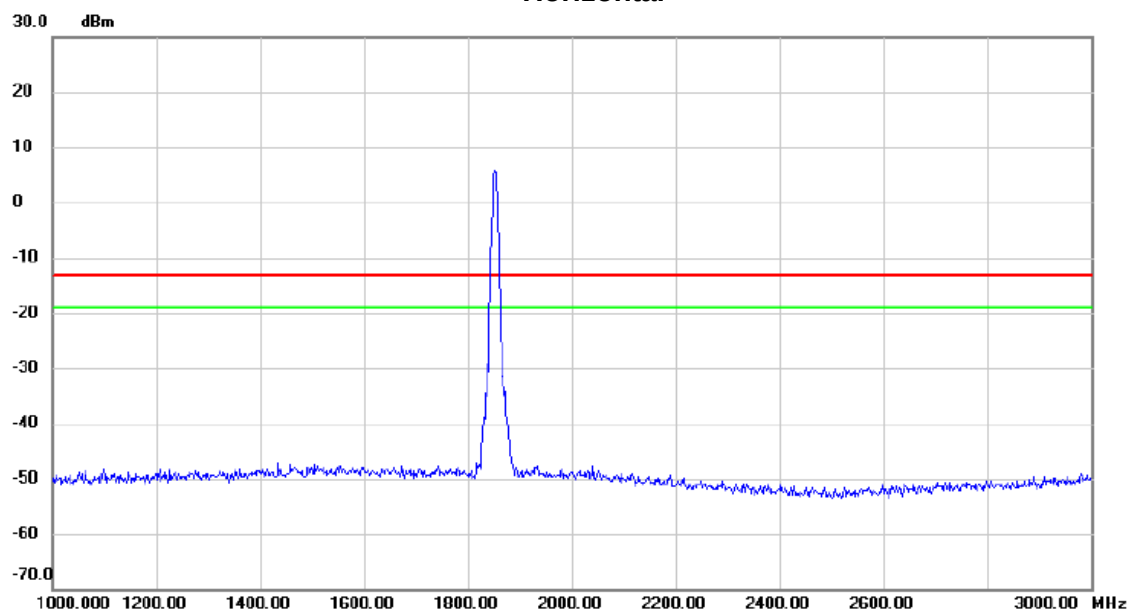
Vertical



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

Test Mode:	LTE Band 2_TX CH19175_5M
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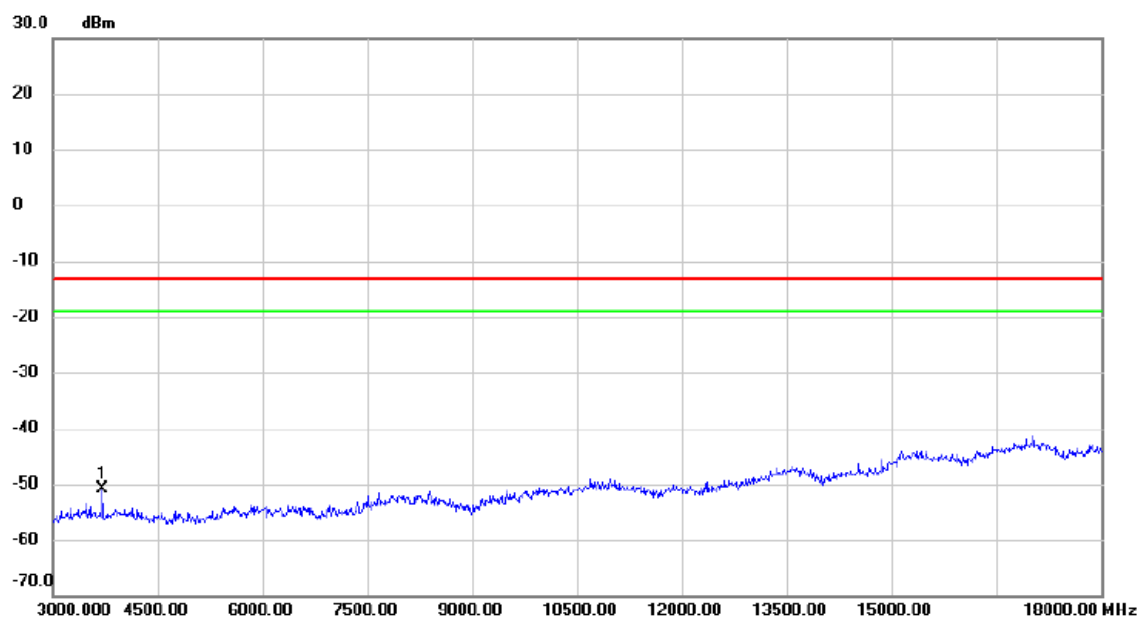
Horizontal



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
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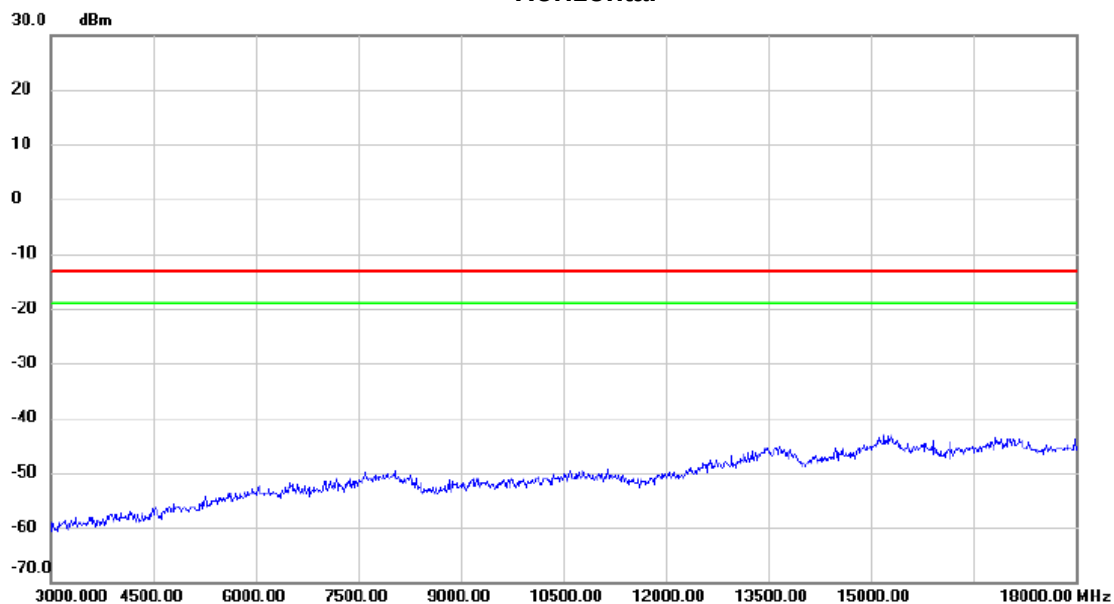
Vertical



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	

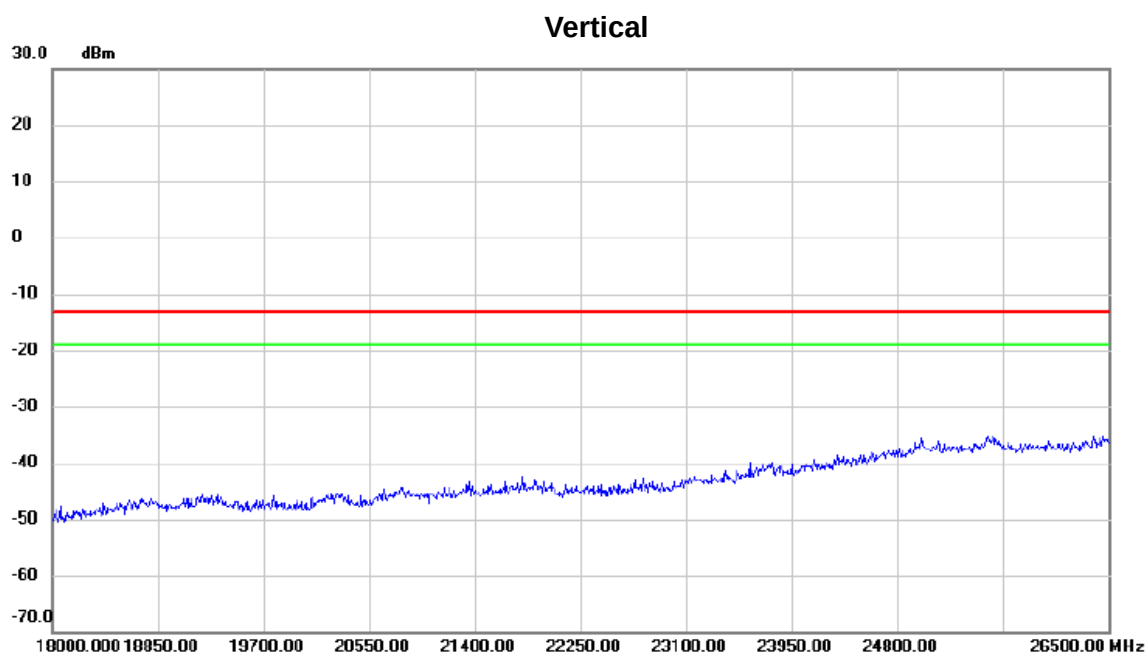
Test Mode: LTE Band 2_TX CH19175_5M

Horizontal



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

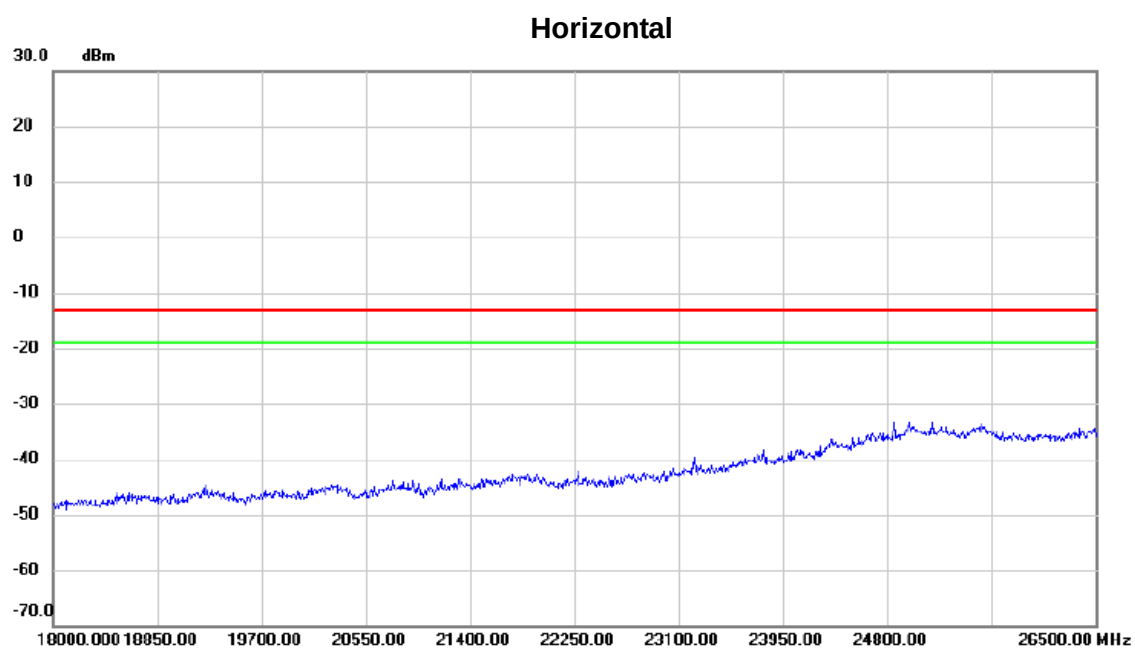
Test Mode:	LTE Band 2_TX CH19175_5M
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:

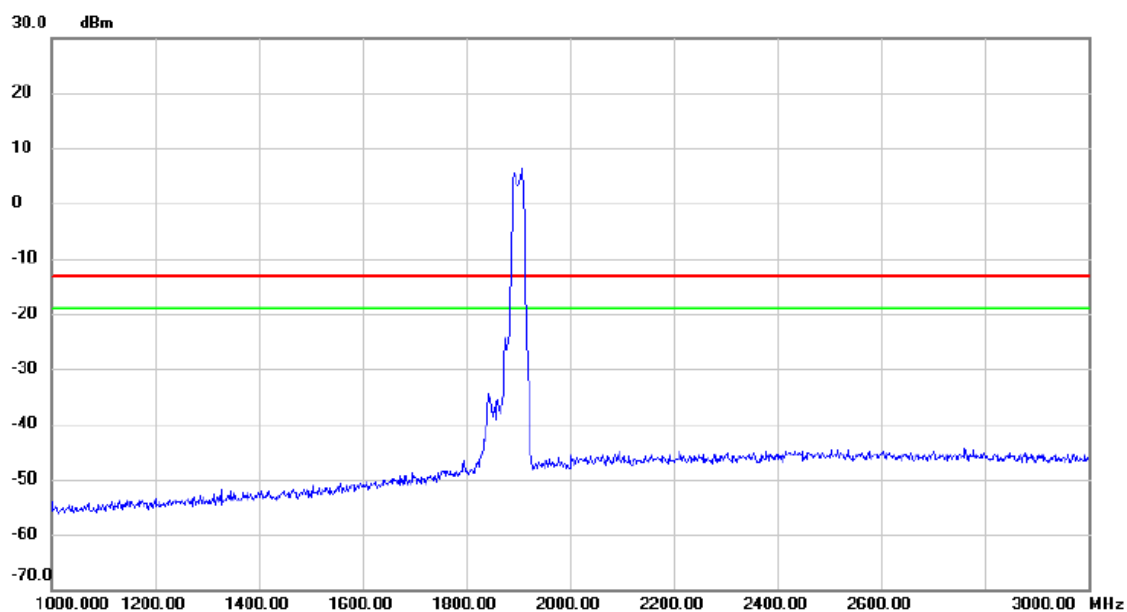
LTE Band 2_TX CH19175_5M



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

Test Mode: LTE Band 2_TX CH19100_20M

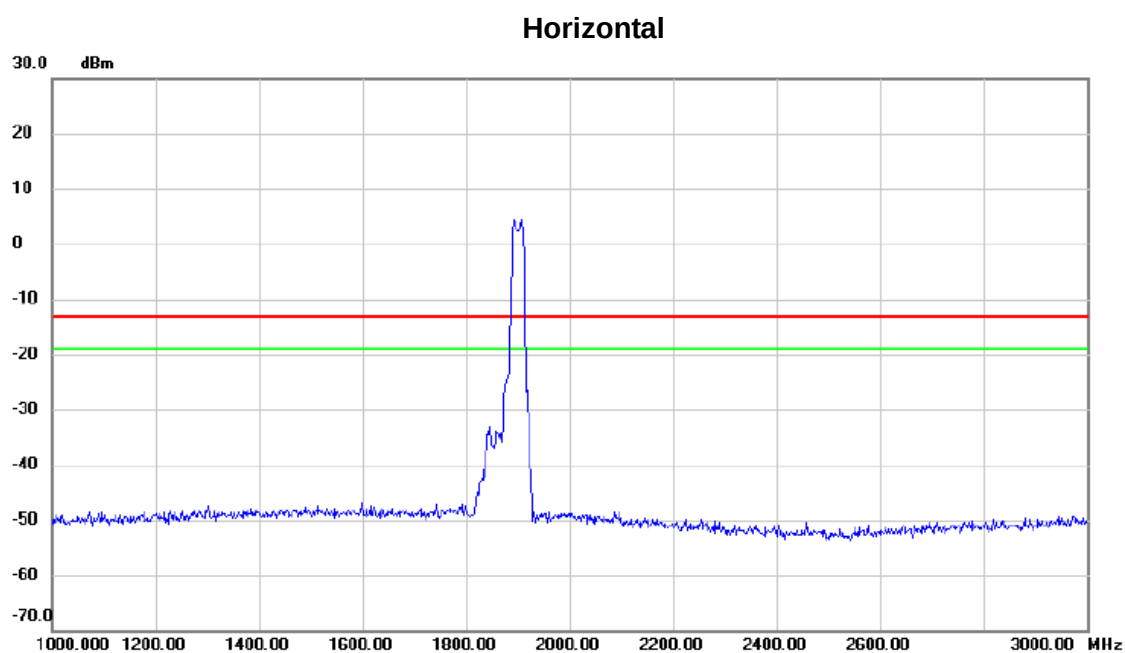
Vertical



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

Test Mode:

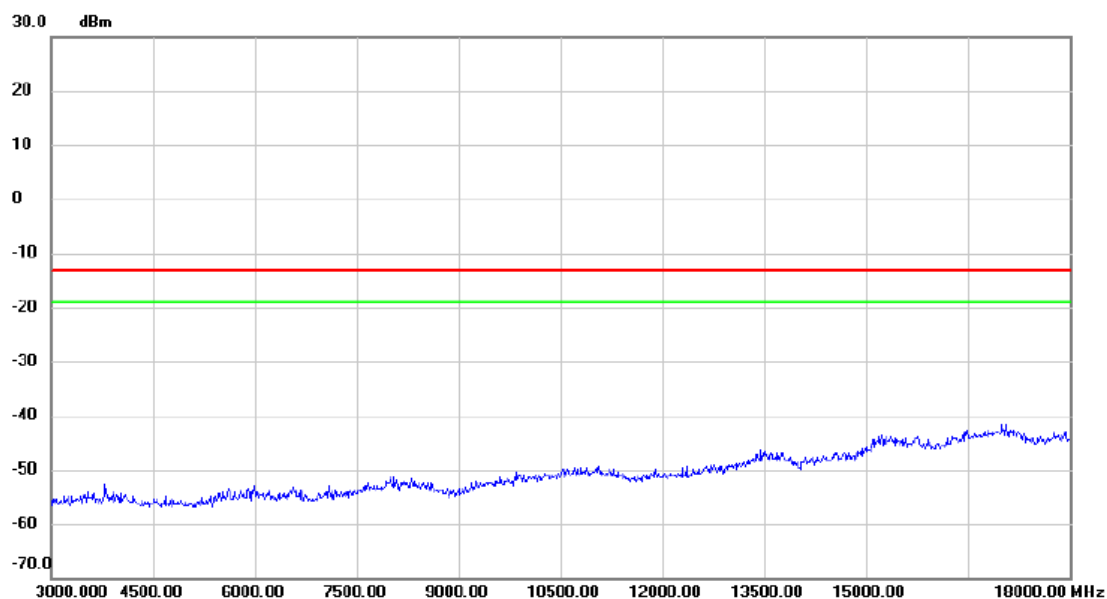
LTE Band 2_TX CH19100_20M



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

Test Mode:	LTE Band 2_TX CH19100_20M
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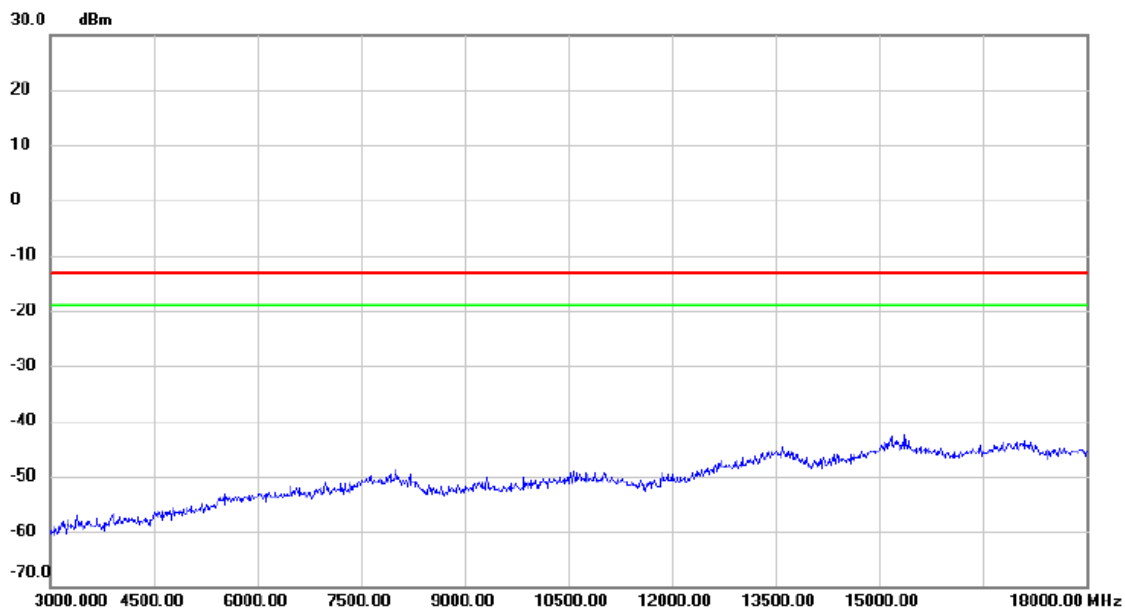
Vertical



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

Test Mode: LTE Band 2_TX CH19100_20M

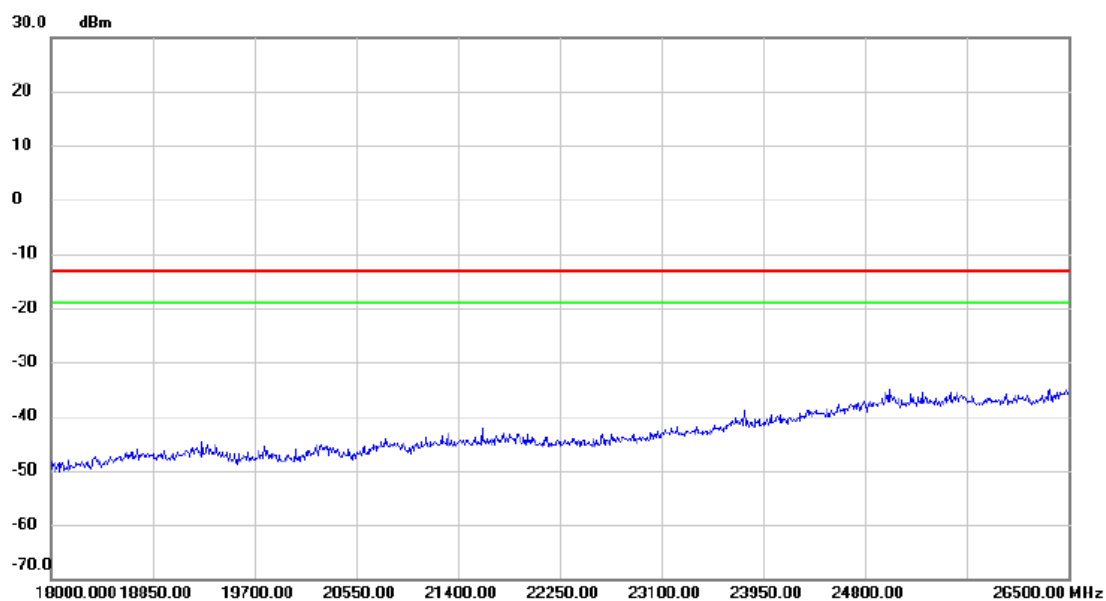
Horizontal



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

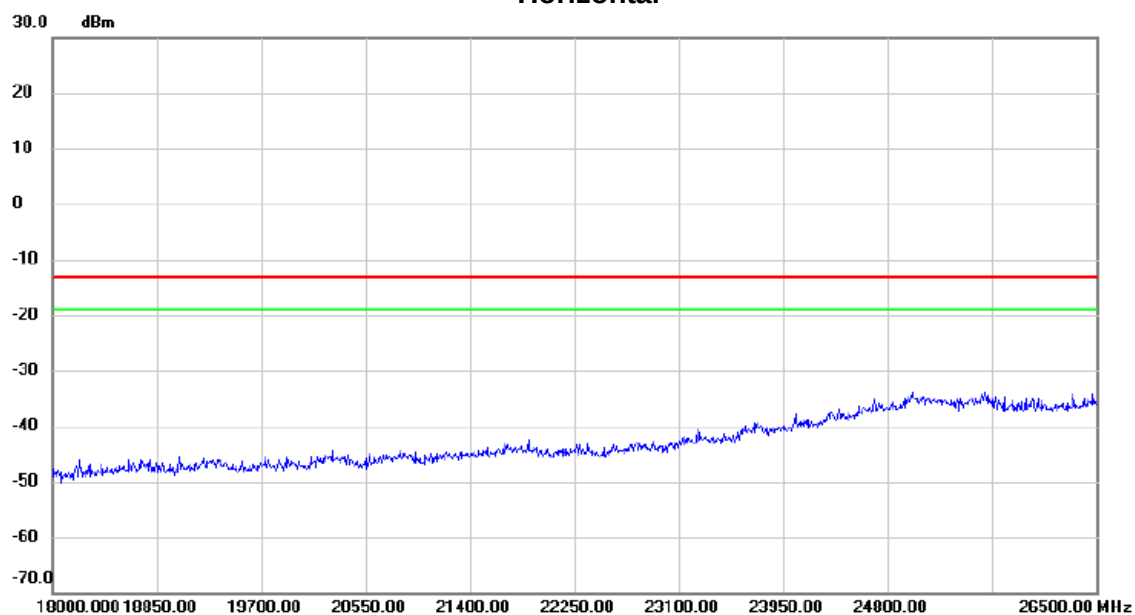
Vertical



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

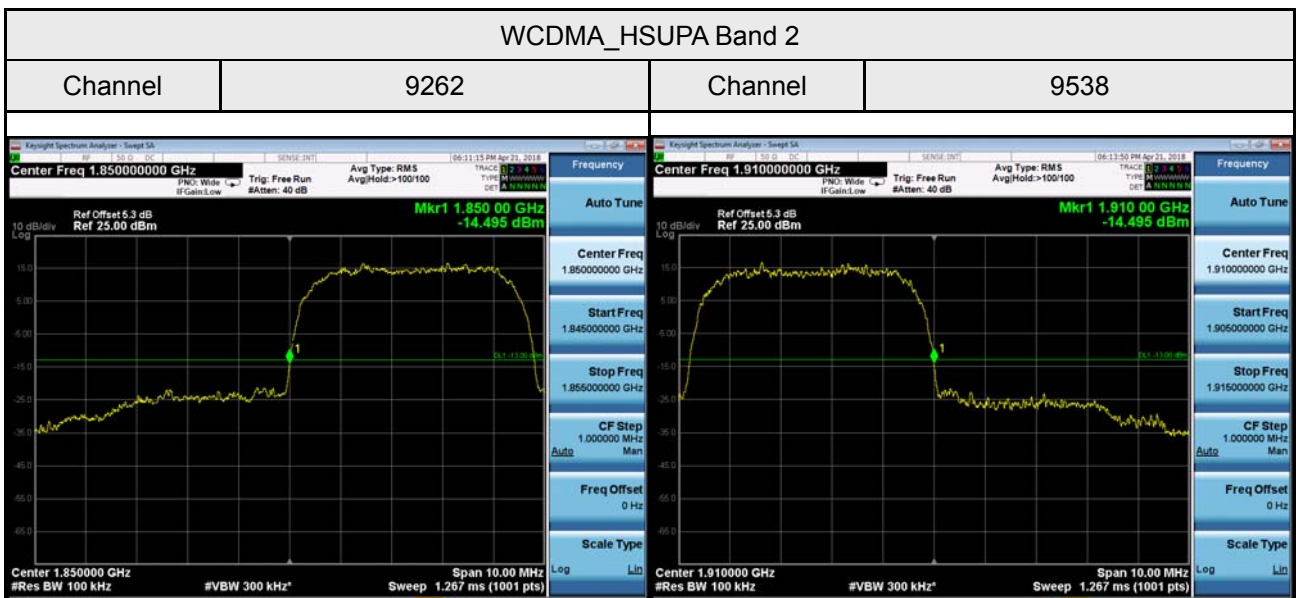
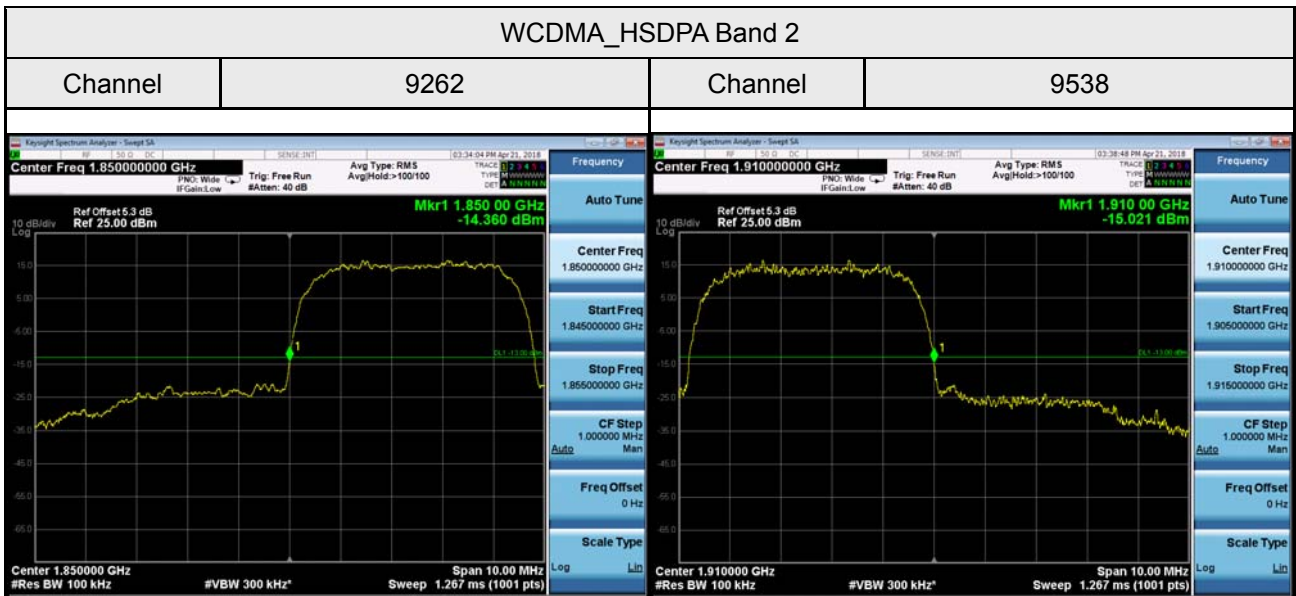
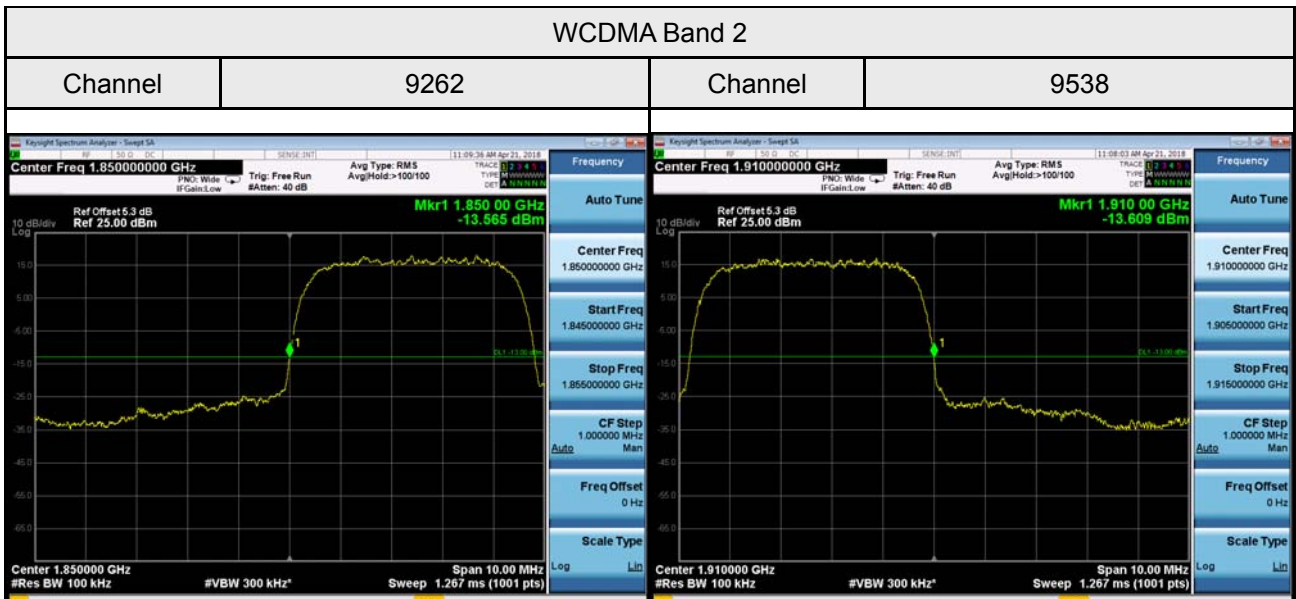
Test Mode:	LTE Band 2_TX CH19100_20M
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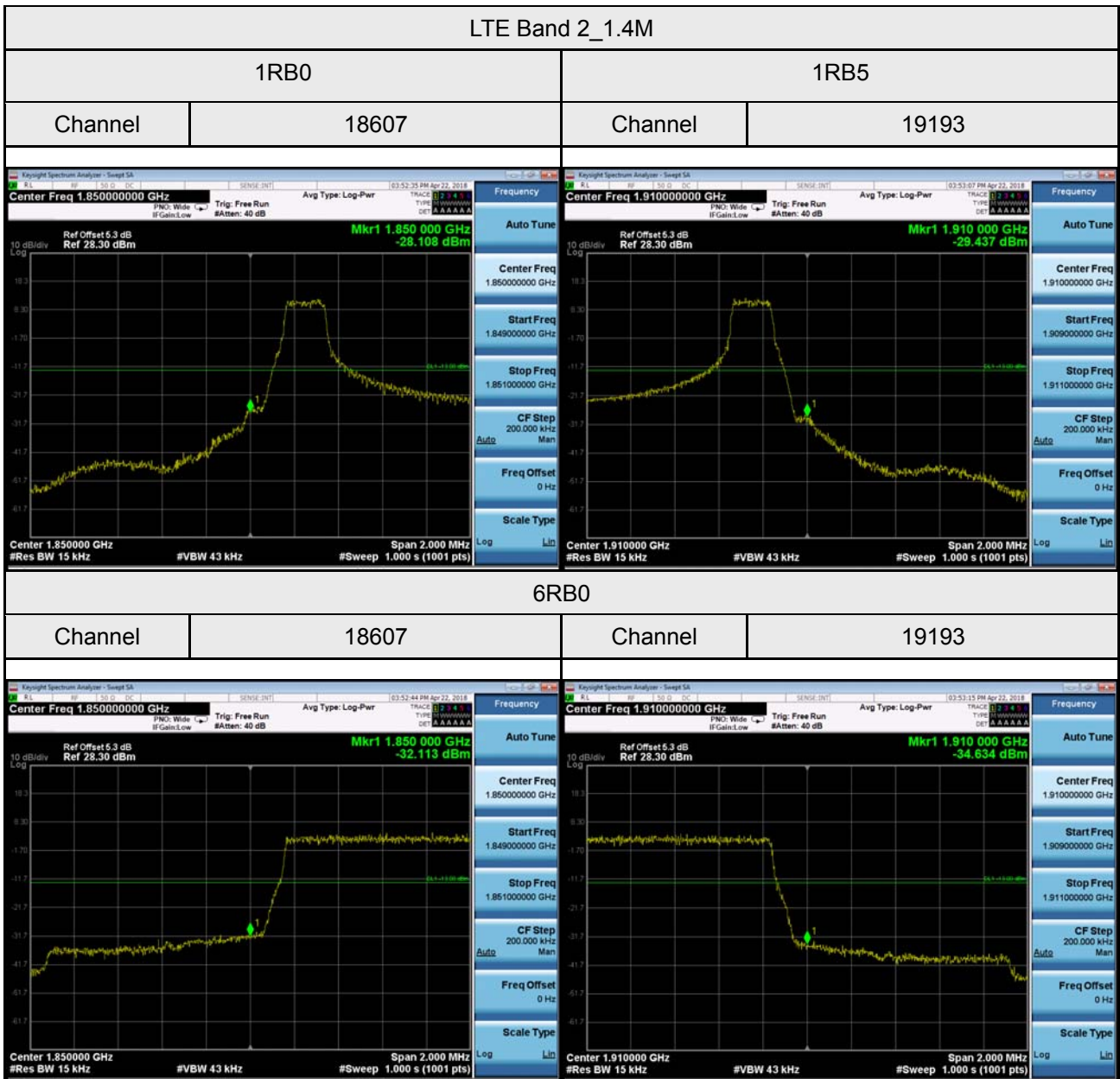
Horizontal



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

APPENDIX E - BAND EDGE





LTE Band 2_3M

1RB0

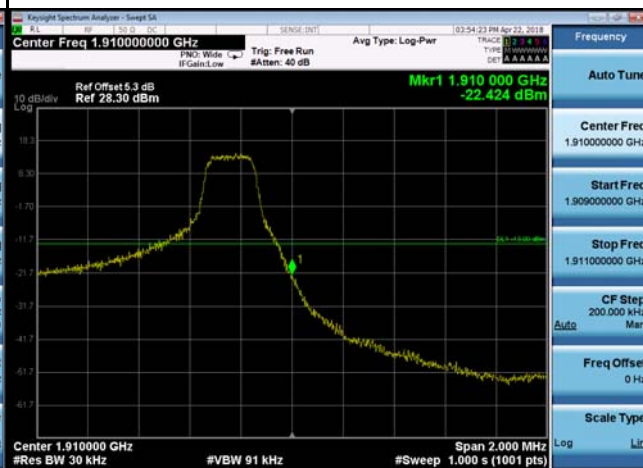
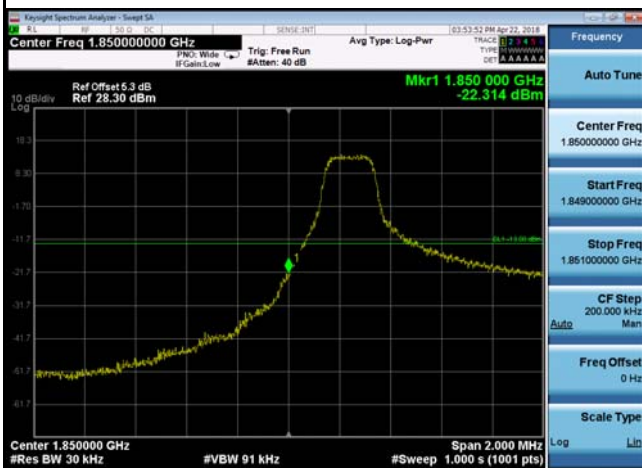
1RB14

Channel

18615

Channel

19185



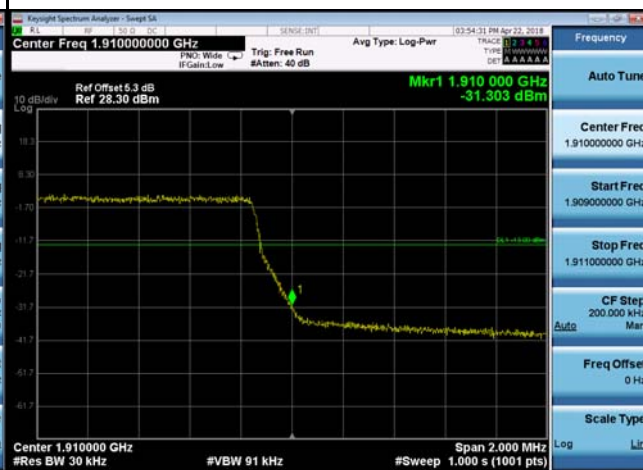
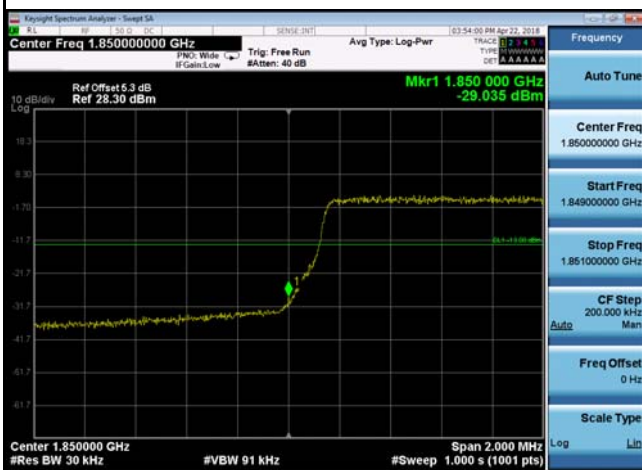
15RB0

Channel

18615

Channel

19185



LTE Band 2_5M

1RB0

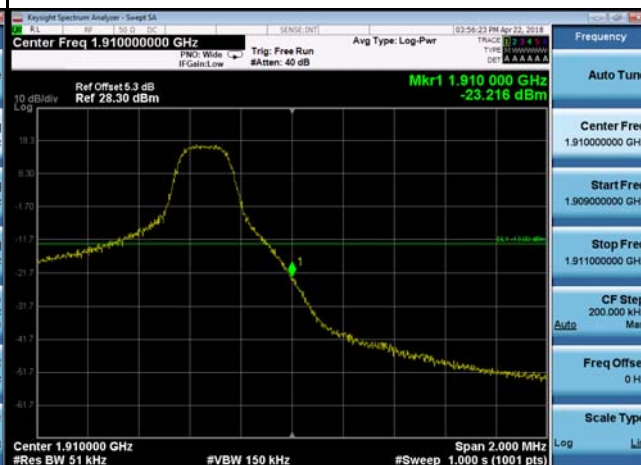
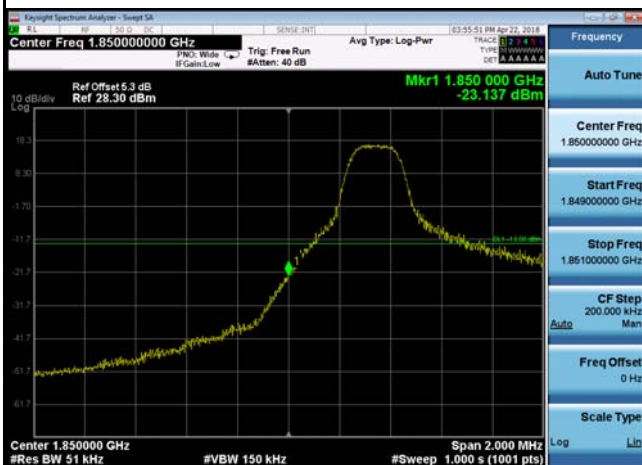
1RB24

Channel

18625

Channel

19175



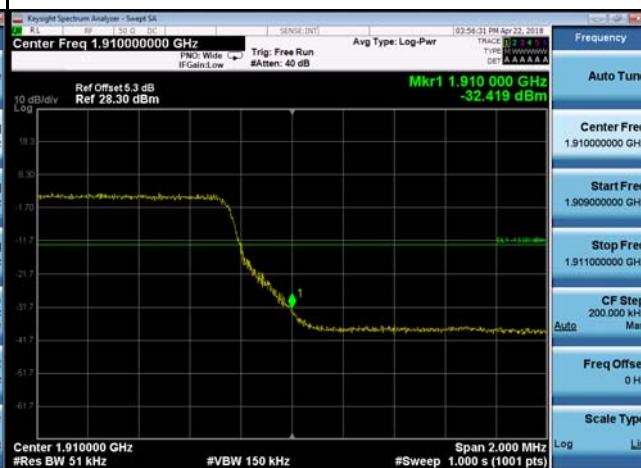
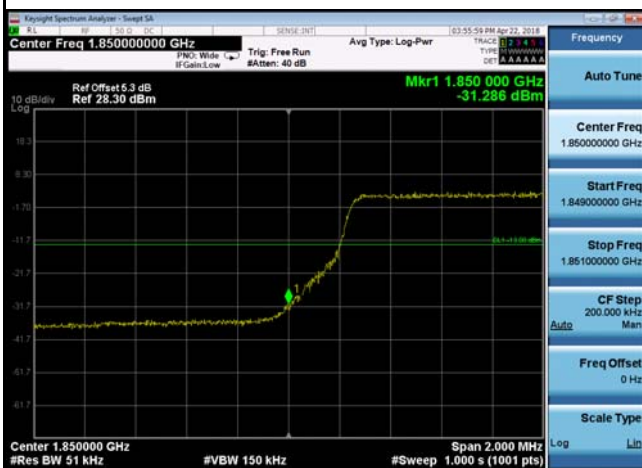
25RB0

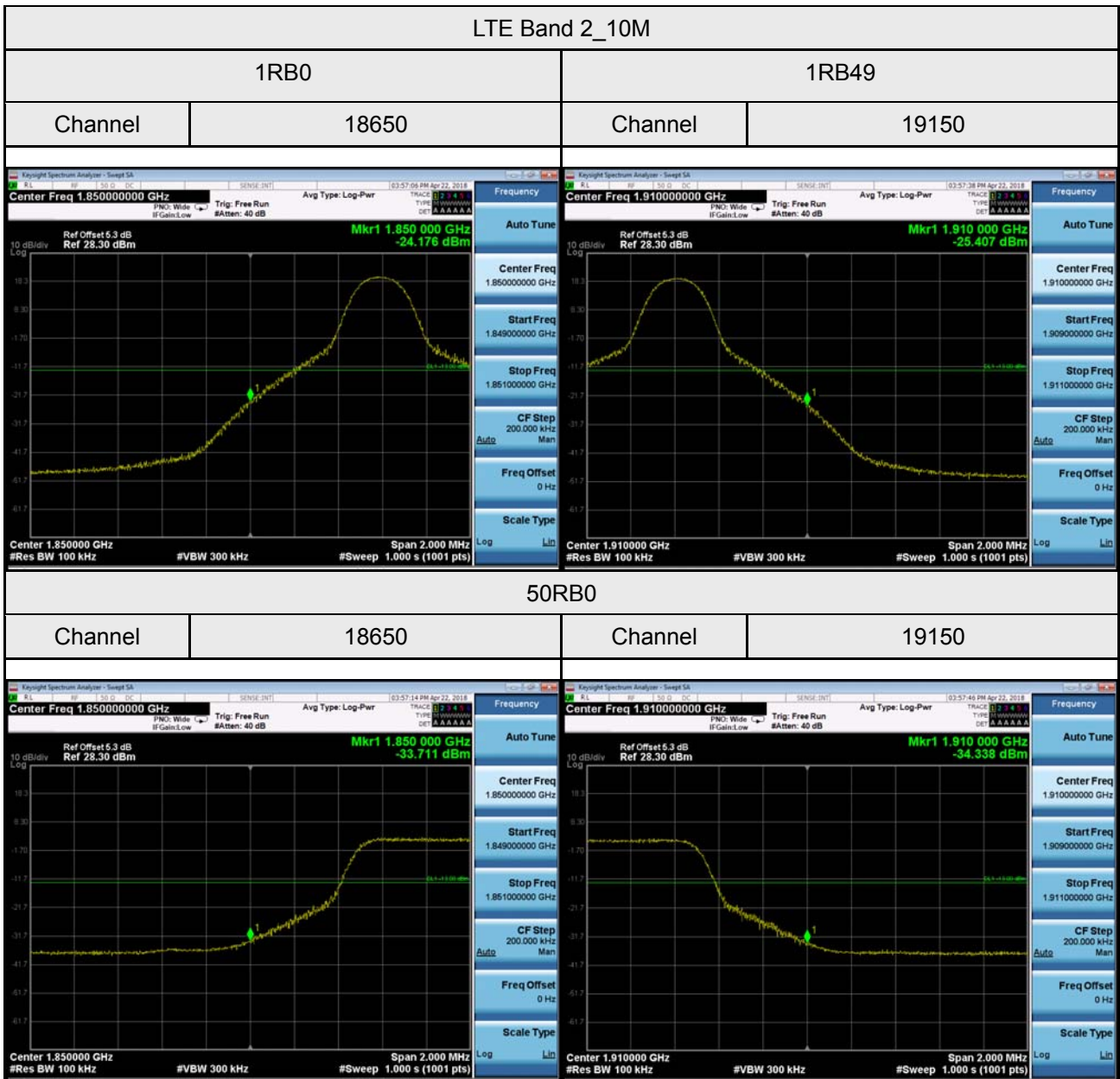
Channel

18625

Channel

19175





LTE Band 2_15M

1RB0

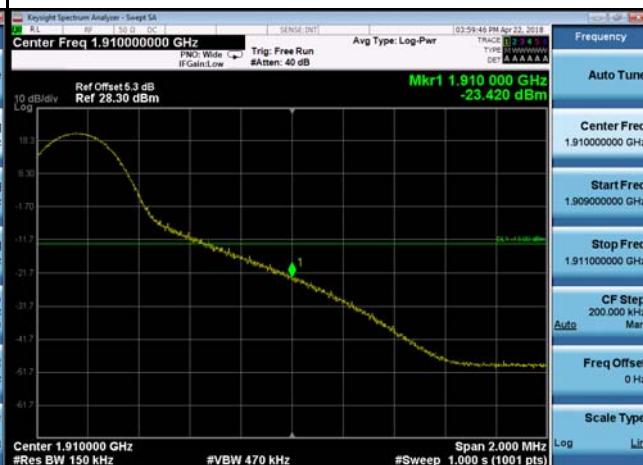
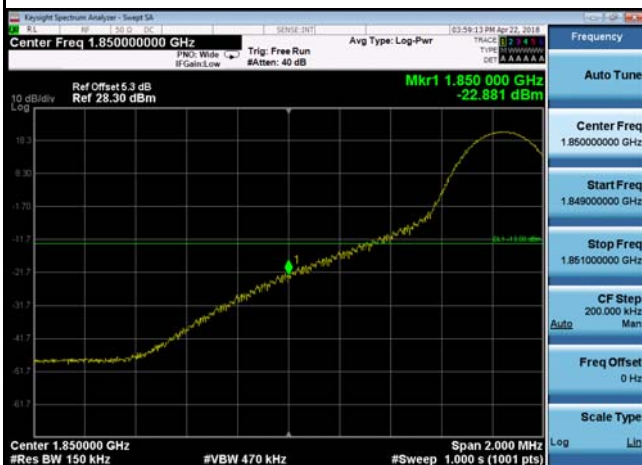
1RB74

Channel

18675

Channel

19125



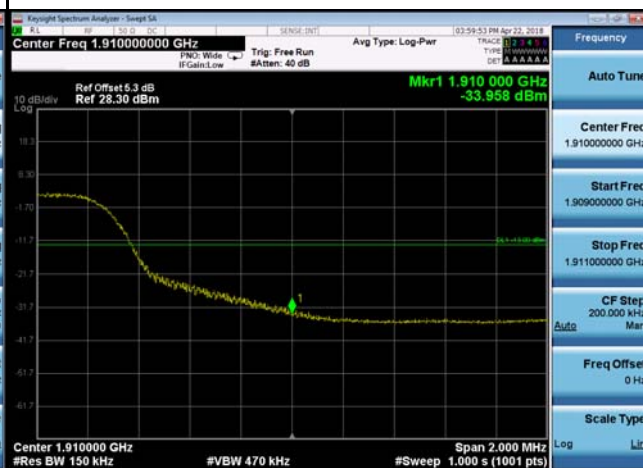
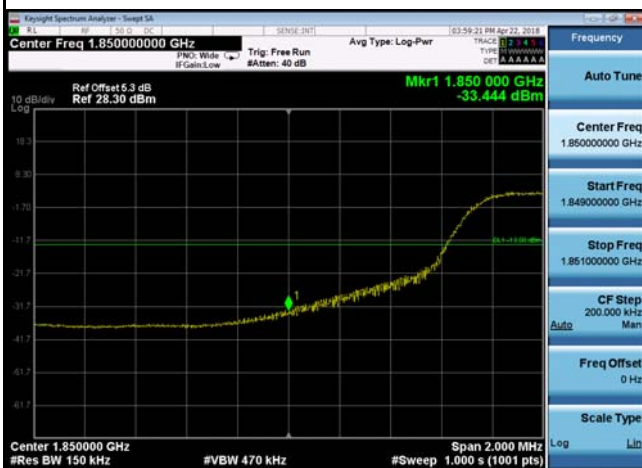
75RB0

Channel

18675

Channel

19125



LTE Band 2_20M

1RB0

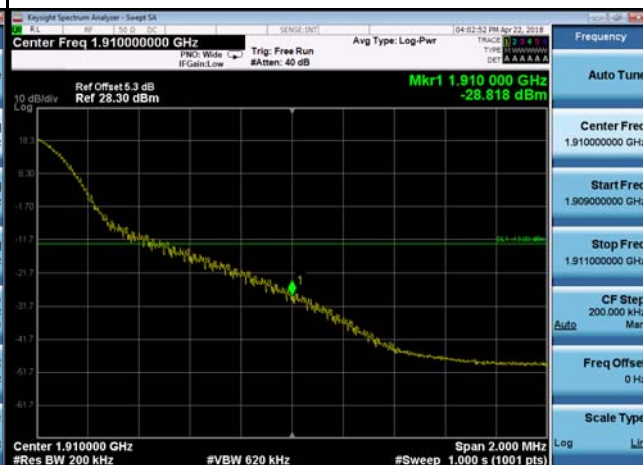
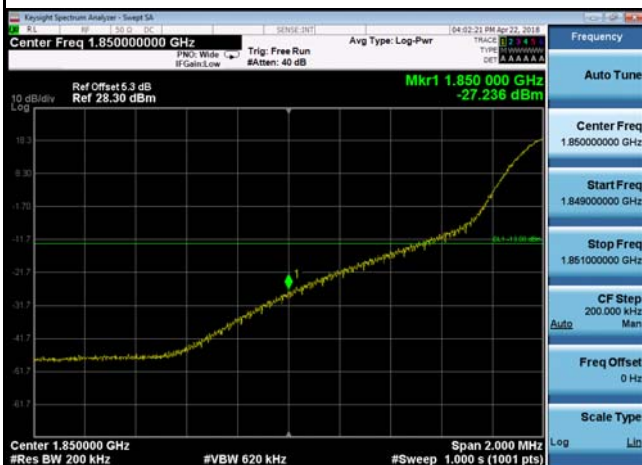
1RB99

Channel

18700

Channel

19100



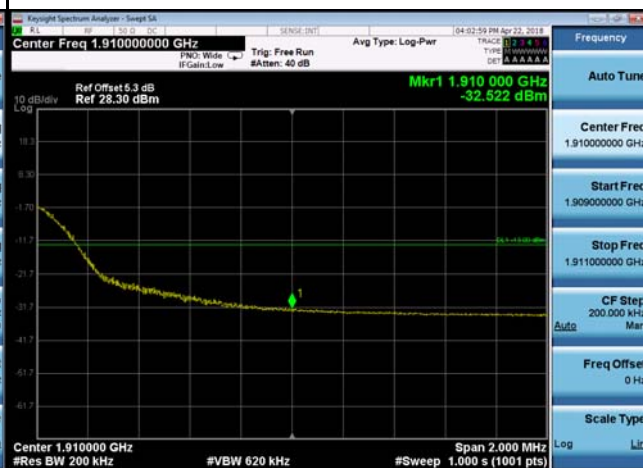
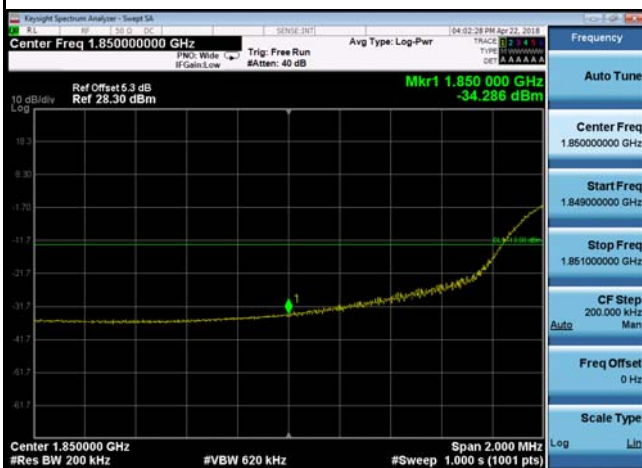
100RB0

Channel

18700

Channel

19100

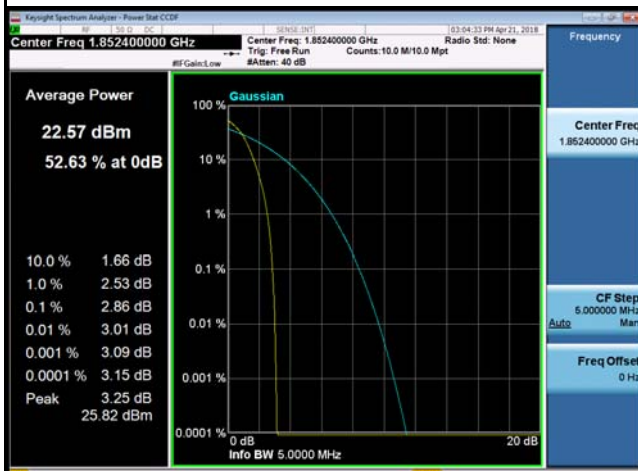


APPENDIX F - PEAK TO AVERAGE RATIO

WCDMA Band 2 Spectrum Plot

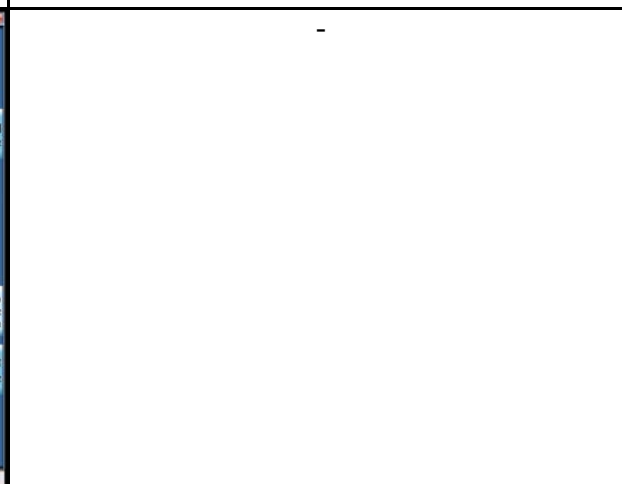
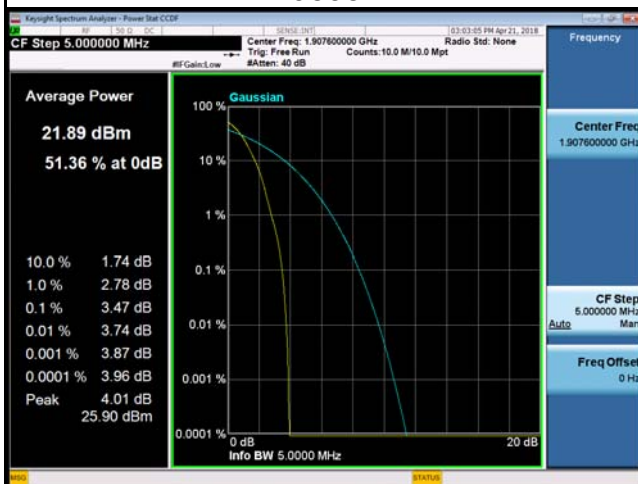
9262

9400



9538

-



WCDMA_HSDPA Band 2 Spectrum Plot

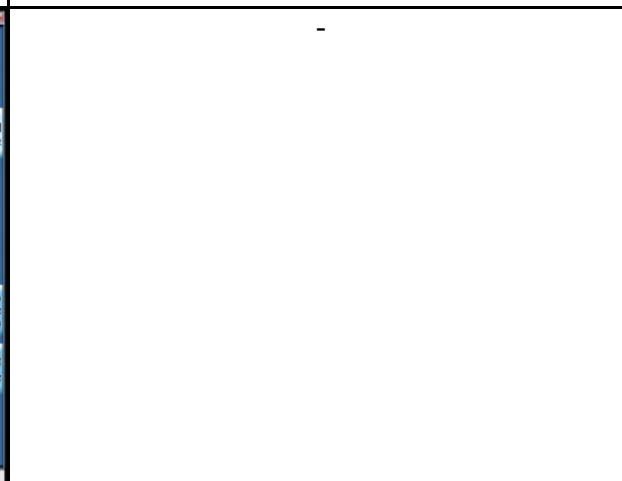
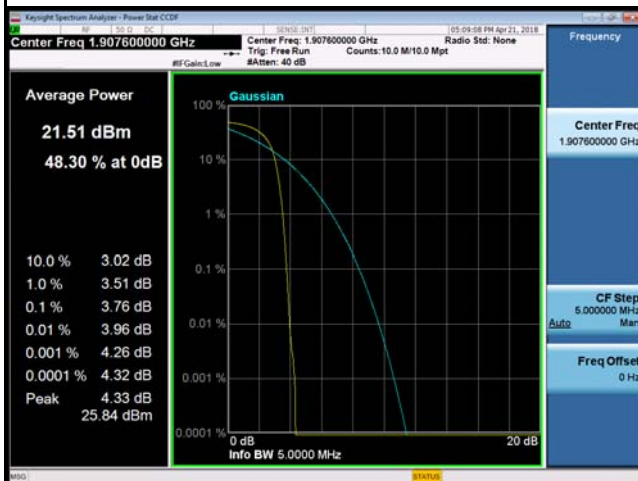
9262

9400



9538

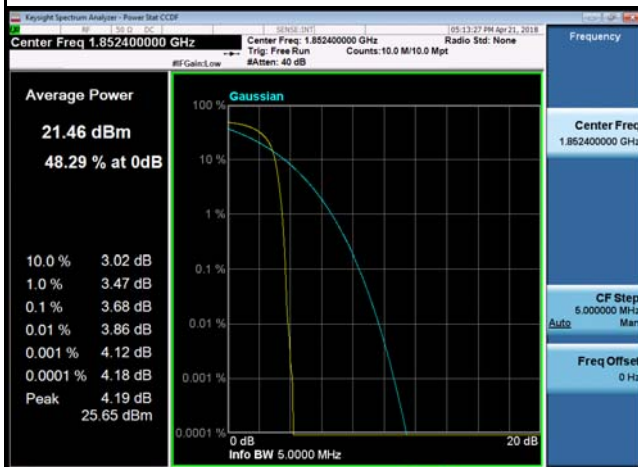
-



WCDMA_HSUPA Band 2 Spectrum Plot

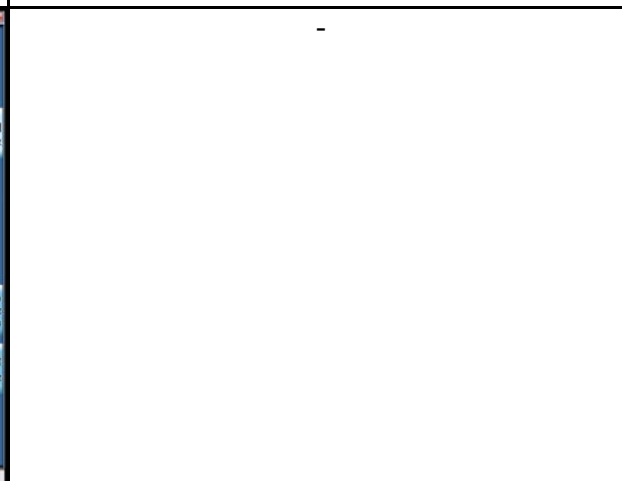
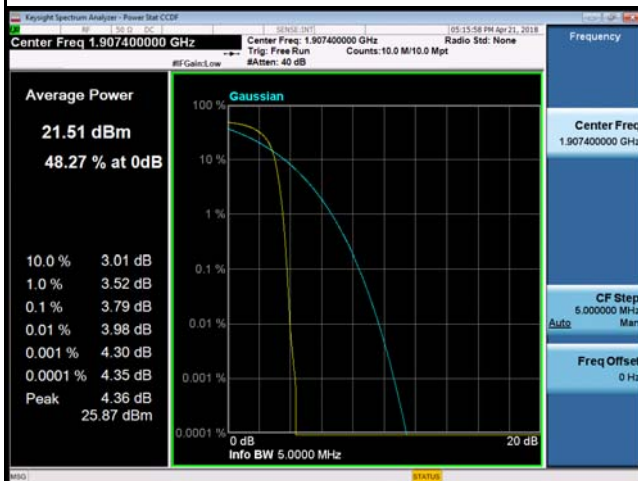
9262

9400



9538

-



LTE Band 2 Spectrum Plot_1.4M

QPSK-18607



QPSK-18900



QPSK-19193



16QAM-18607



16QAM-18900



16QAM-19193



LTE Band 2 Spectrum Plot_3M



LTE Band 2 Spectrum Plot_5M

QPSK-18625



QPSK-18900



QPSK-19175



16QAM-18625



16QAM-18900



16QAM-19175



LTE Band 2 Spectrum Plot_10M

QPSK-18650



QPSK-18900



QPSK-19150



16QAM-18650



16QAM-18900



16QAM-19150



LTE Band 2 Spectrum Plot_15M

QPSK-18675



QPSK-18900



QPSK-19125



16QAM-18675



16QAM-18900



16QAM-19125



LTE Band 2 Spectrum Plot_20M

QPSK-18700



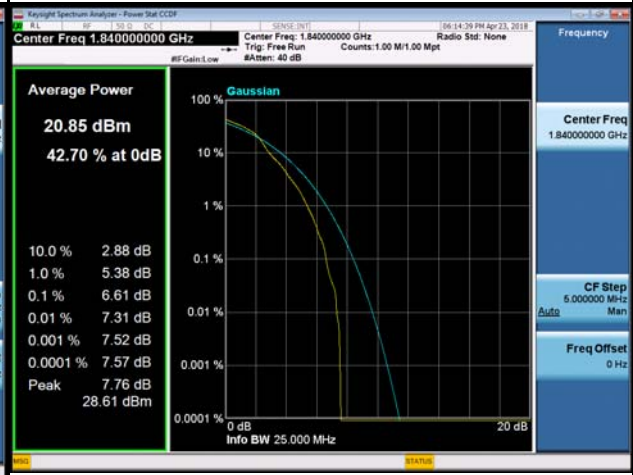
QPSK-18900



QPSK-19100



16QAM-18700



16QAM-18900



16QAM-19100



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)	7.17	0.00381383	

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)	3.57	0.001898936	

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)	-5.67	-0.003015957	

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)	5.05	0.00268617	

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)	5.58	0.002968085	

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)	-6.18	-0.003287234	

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)	-8.48	-0.004510638	

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)	-4.31	-0.002292553	

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)	4.13	0.002196809	

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)	4.12	0.002191489	

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)	5.83	0.003101064	

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)	6.77	0.003601064	

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)	6.7	0.00356383	

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)	6.41	0.003409574	