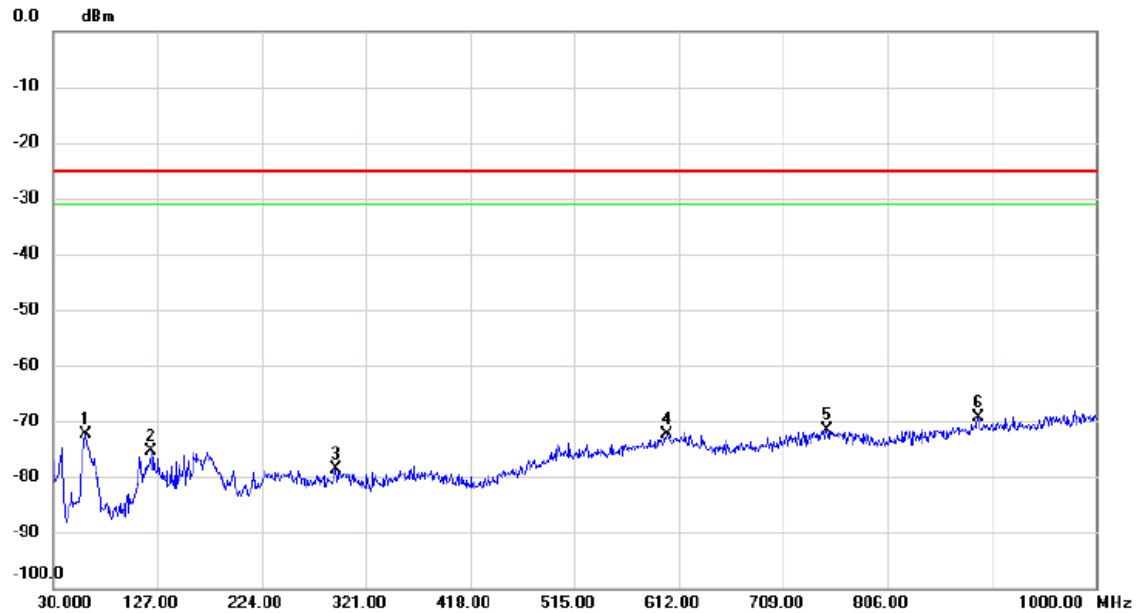


Test Mode: LTE Band 7_TX CH21100_20M

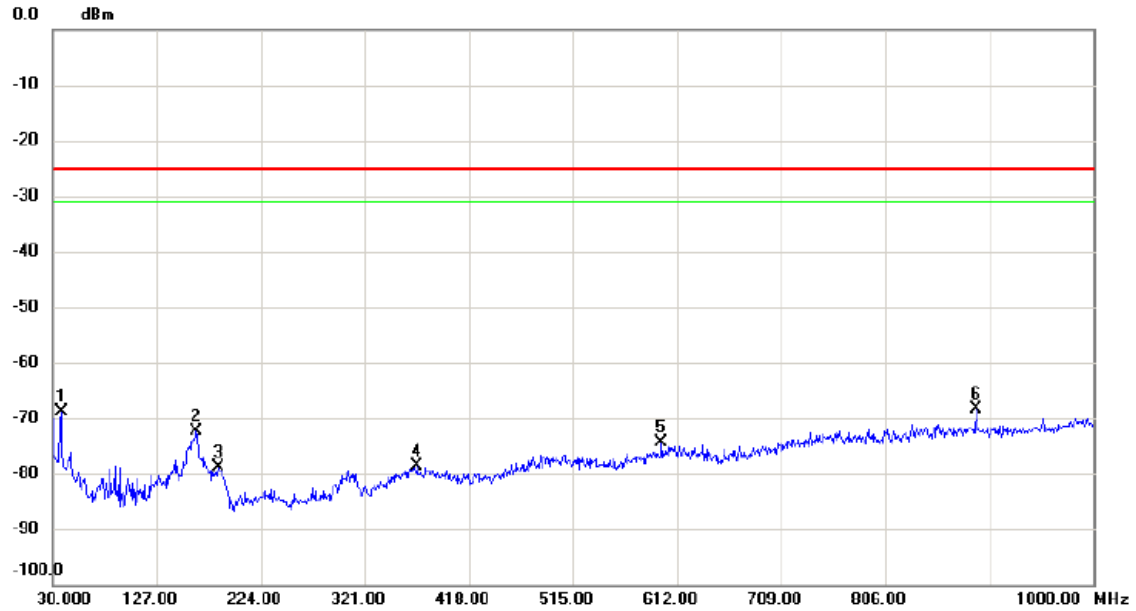
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		60.0700	-68.24	-4.06	-72.30	-25.00	-47.30	peak	
2		121.6650	-72.77	-2.71	-75.48	-25.00	-50.48	peak	
3		292.8700	-76.48	-2.20	-78.68	-25.00	-53.68	peak	
4		600.3600	-77.92	5.60	-72.32	-25.00	-47.32	peak	
5		749.7400	-77.46	5.80	-71.66	-25.00	-46.66	peak	
6	*	890.3900	-76.68	7.34	-69.34	-25.00	-44.34	peak	

Test Mode: LTE Band 7_TX CH21100_20M

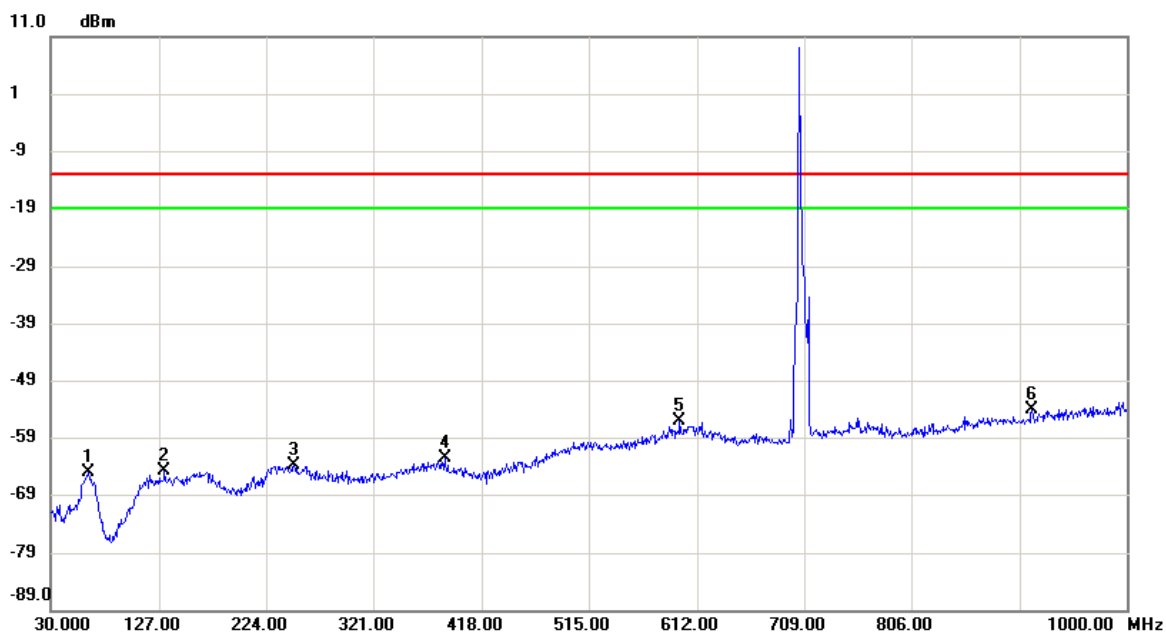
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		37.7600	-69.35	0.53	-68.82	-25.00	-43.82	peak	
2		164.3450	-67.71	-4.72	-72.43	-25.00	-47.43	peak	
3		184.2300	-71.59	-7.37	-78.96	-25.00	-53.96	peak	
4		369.9850	-78.03	-0.67	-78.70	-25.00	-53.70	peak	
5		597.4500	-76.91	2.42	-74.49	-25.00	-49.49	peak	
6	*	890.3900	-74.20	5.91	-68.29	-25.00	-43.29	peak	

Test Mode: LTE Band 17_TX CH23755_5M

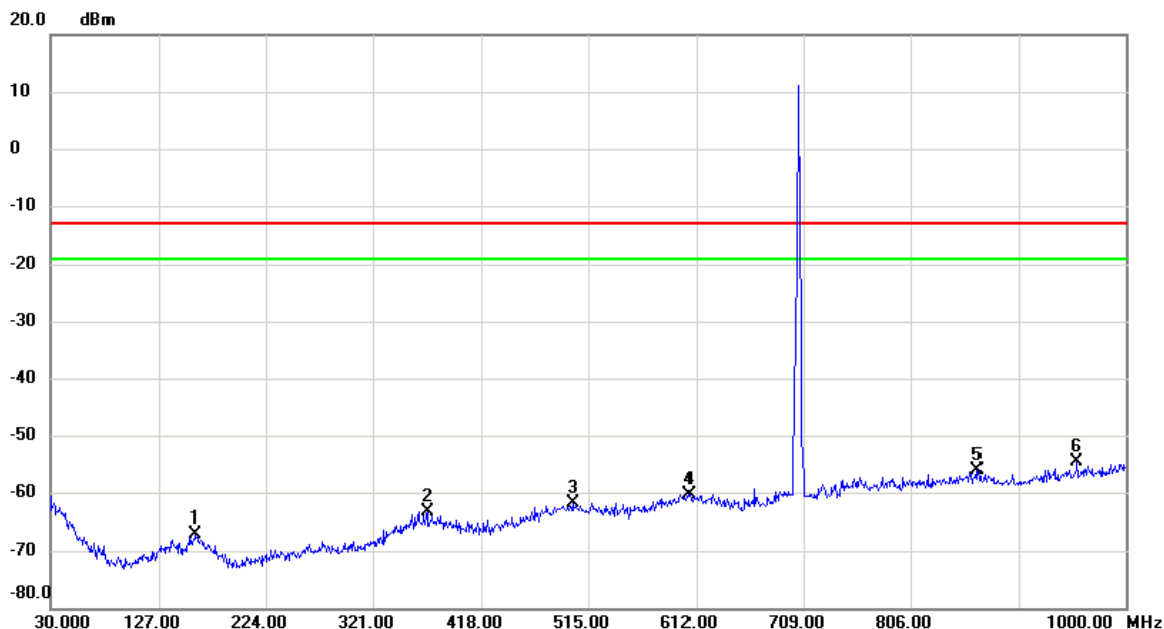
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		63.9500	-77.02	11.94	-65.08	-13.00	-52.08	peak	
2		131.8500	-77.37	12.60	-64.77	-13.00	-51.77	peak	
3		249.2200	-78.36	14.58	-63.78	-13.00	-50.78	peak	
4		384.5350	-77.29	14.63	-62.66	-13.00	-49.66	peak	
5		597.4500	-76.58	20.49	-56.09	-13.00	-43.09	peak	
6	*	913.6700	-77.06	22.95	-54.11	-13.00	-41.11	peak	

Test Mode: LTE Band 17_TX CH23755_5M

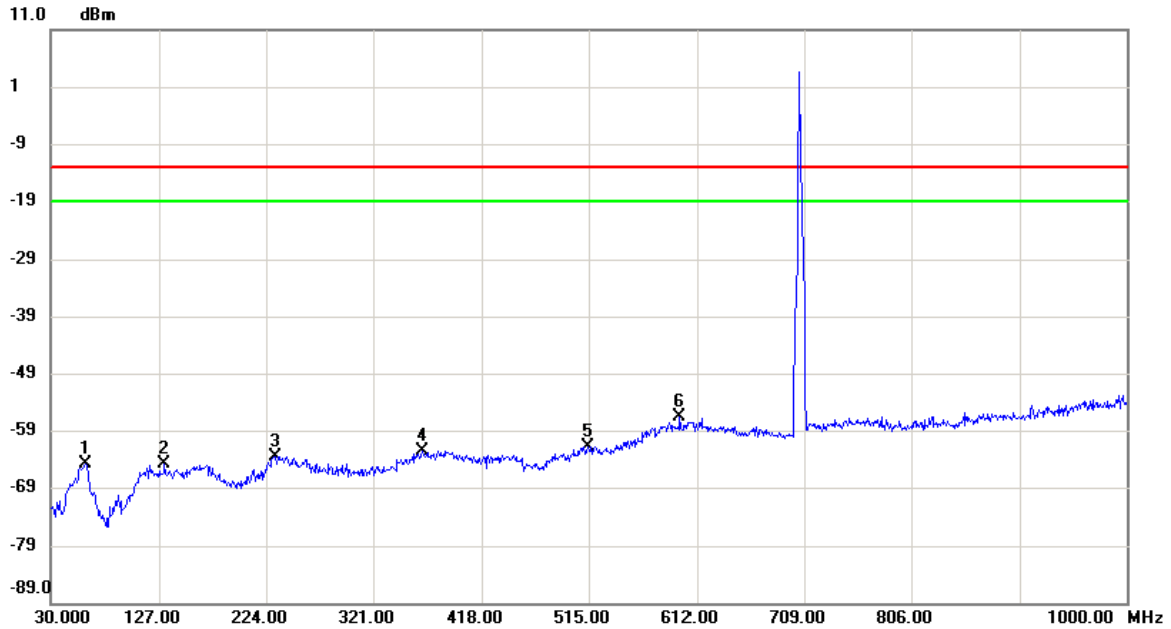
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		160.4650	-77.82	10.74	-67.08	-13.00	-54.08	peak	
2		369.0150	-77.78	14.32	-63.46	-13.00	-50.46	peak	
3		500.9350	-77.83	15.95	-61.88	-13.00	-48.88	peak	
4		606.6650	-77.60	17.28	-60.32	-13.00	-47.32	peak	
5		865.6550	-77.11	20.89	-56.22	-13.00	-43.22	peak	
6	*	955.3800	-76.85	22.15	-54.70	-13.00	-41.70	peak	

Test Mode: LTE Band 17_TX CH23755_10M

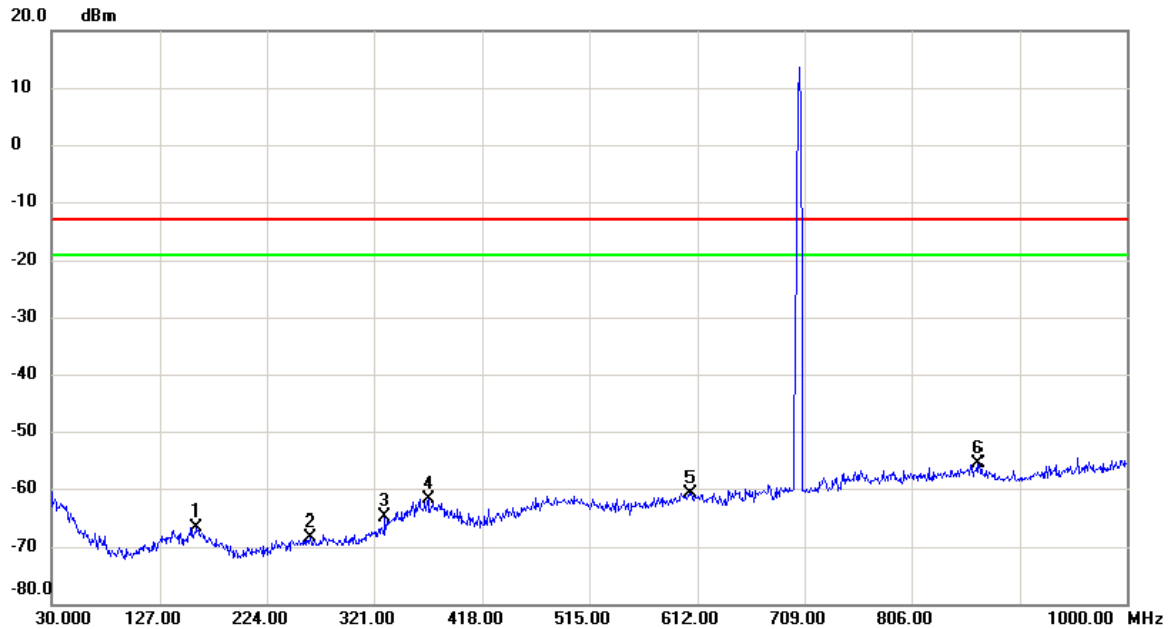
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		61.5250	-76.13	11.31	-64.82	-13.00	-51.82	peak	
2		131.8500	-77.37	12.60	-64.77	-13.00	-51.77	peak	
3		232.2450	-77.99	14.36	-63.63	-13.00	-50.63	peak	
4		363.6800	-77.31	14.75	-62.56	-13.00	-49.56	peak	
5		514.0300	-79.53	17.74	-61.79	-13.00	-48.79	peak	
6	*	597.4500	-77.08	20.49	-56.59	-13.00	-43.59	peak	

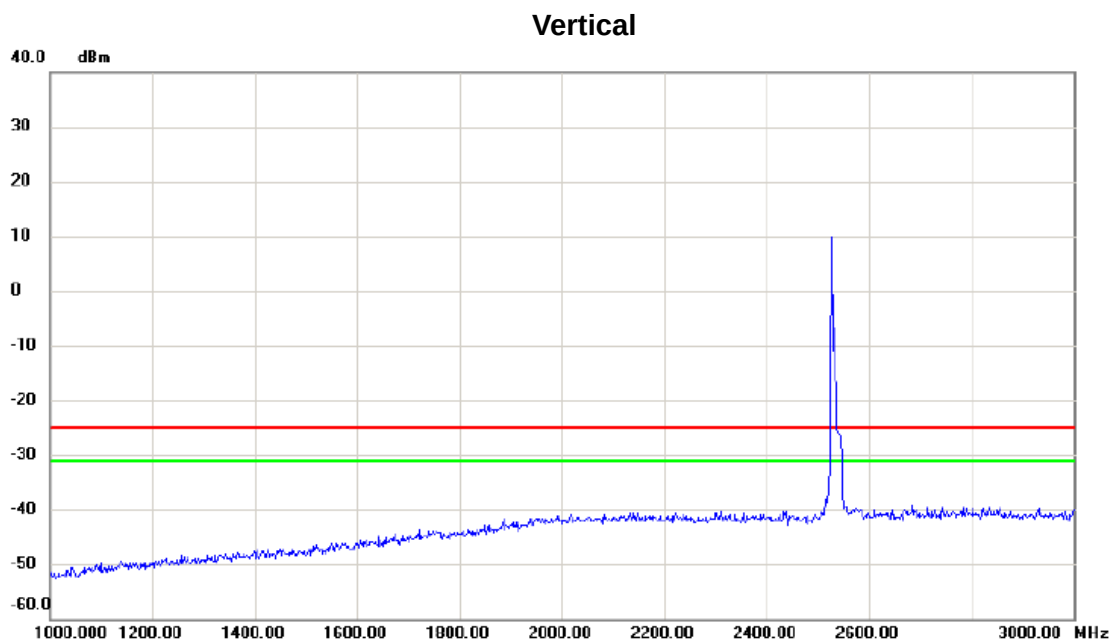
Test Mode: LTE Band 17_TX CH23755_10M

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		160.4650	-77.32	10.74	-66.58	-13.00	-53.58	peak	
2		262.8000	-78.12	9.63	-68.49	-13.00	-55.49	peak	
3		331.1850	-76.83	11.89	-64.94	-13.00	-51.94	peak	
4		369.0150	-76.28	14.32	-61.96	-13.00	-48.96	peak	
5		606.6650	-78.10	17.28	-60.82	-13.00	-47.82	peak	
6	*	865.6550	-76.61	20.89	-55.72	-13.00	-42.72	peak	

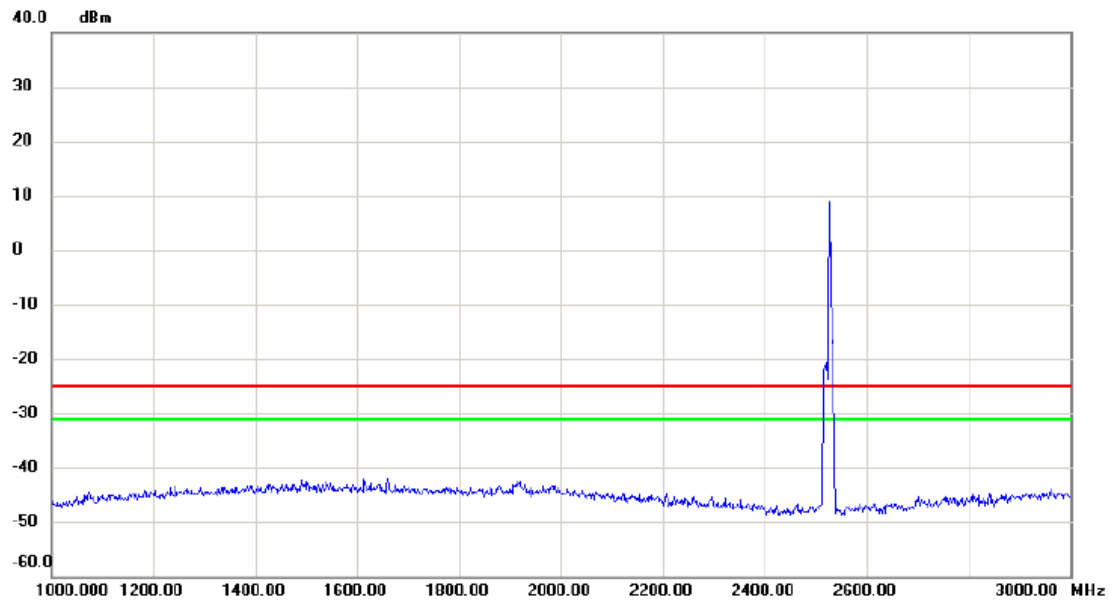
Test Mode:	LTE Band 7_TX CH21100_5M
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode: LTE Band 7_TX CH21100_5M

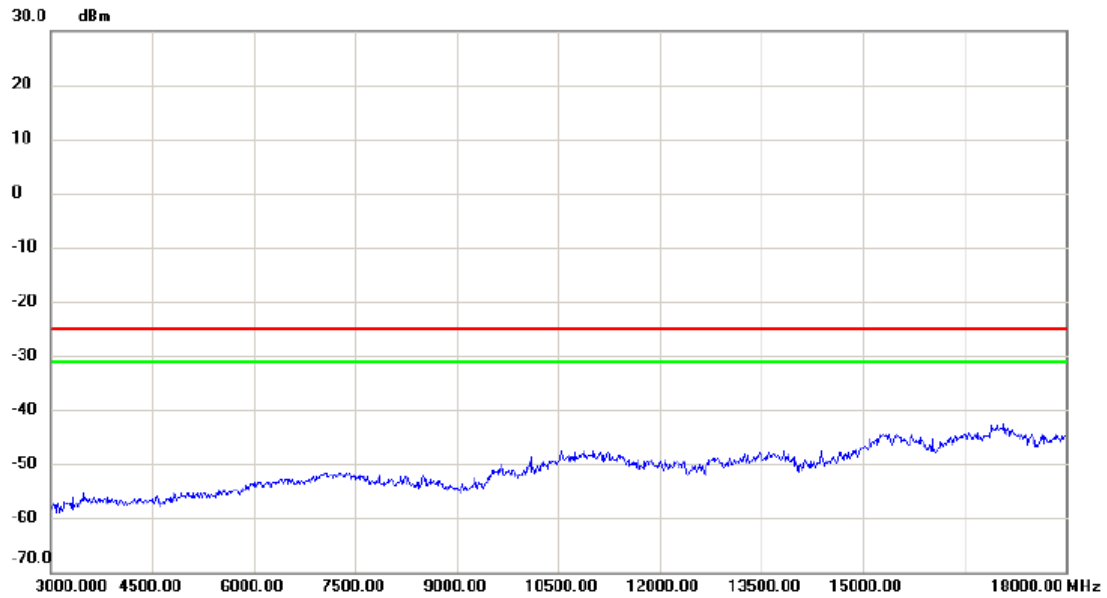
Horizontal



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

Test Mode: LTE Band 7_TX CH21100_5M

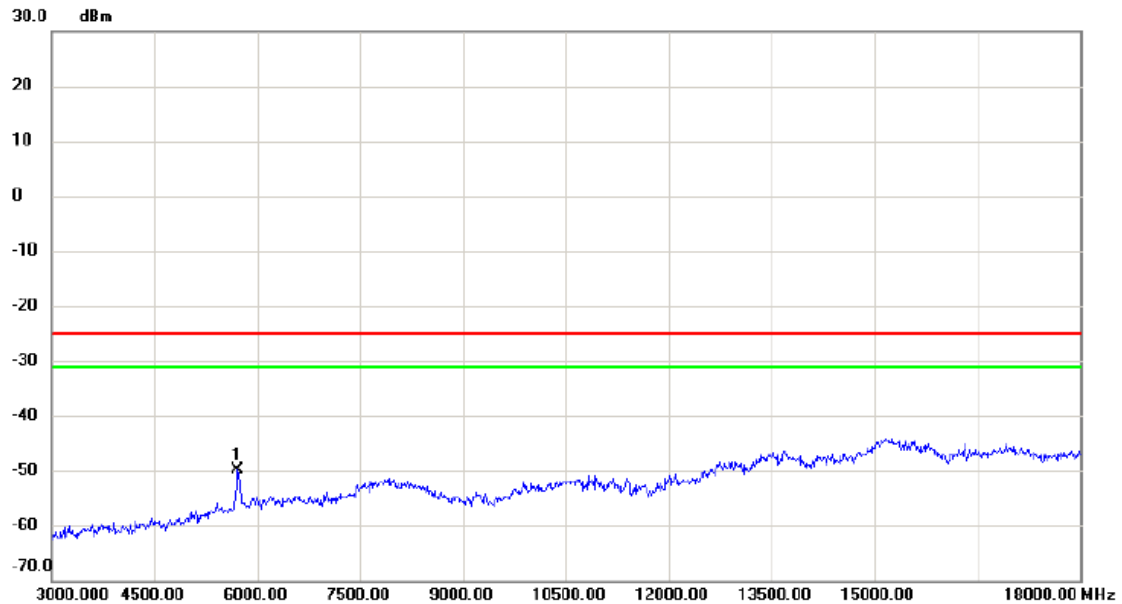
Vertical



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

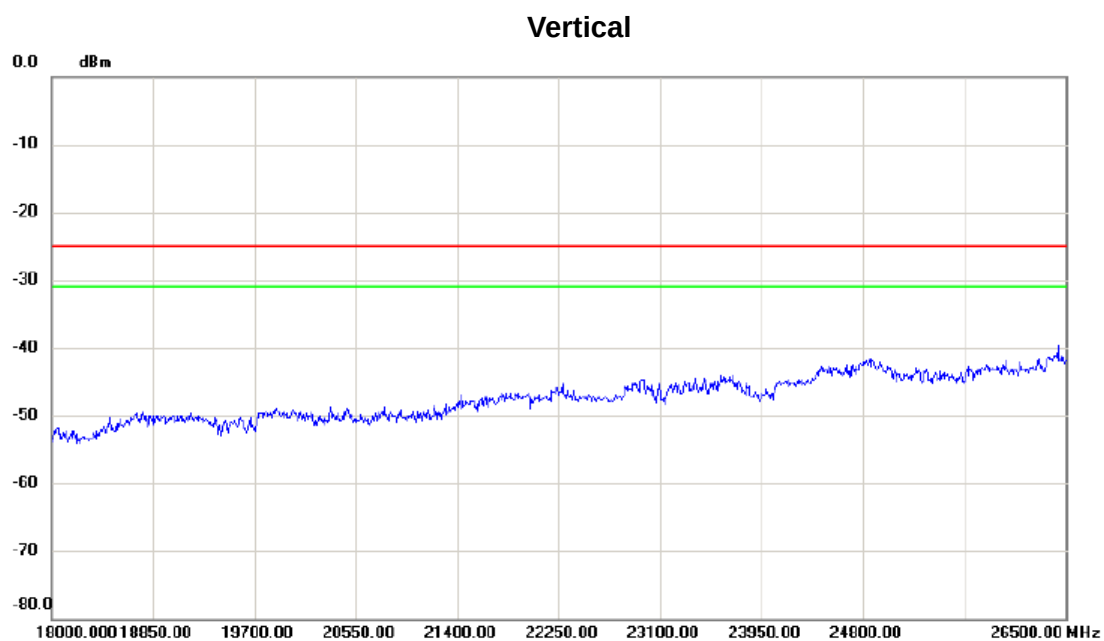
Test Mode: LTE Band 7_TX CH21100_5M

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5715.000	-67.13	17.28	-49.85	-25.00	-24.85	peak	

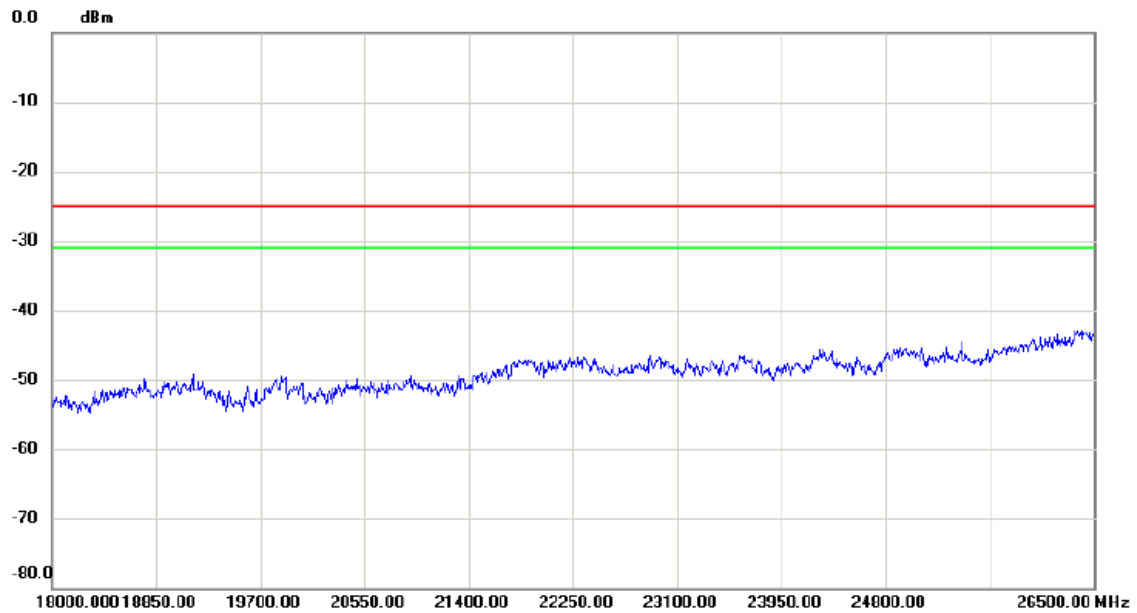
Test Mode:	LTE Band 7_TX CH21100_5M
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

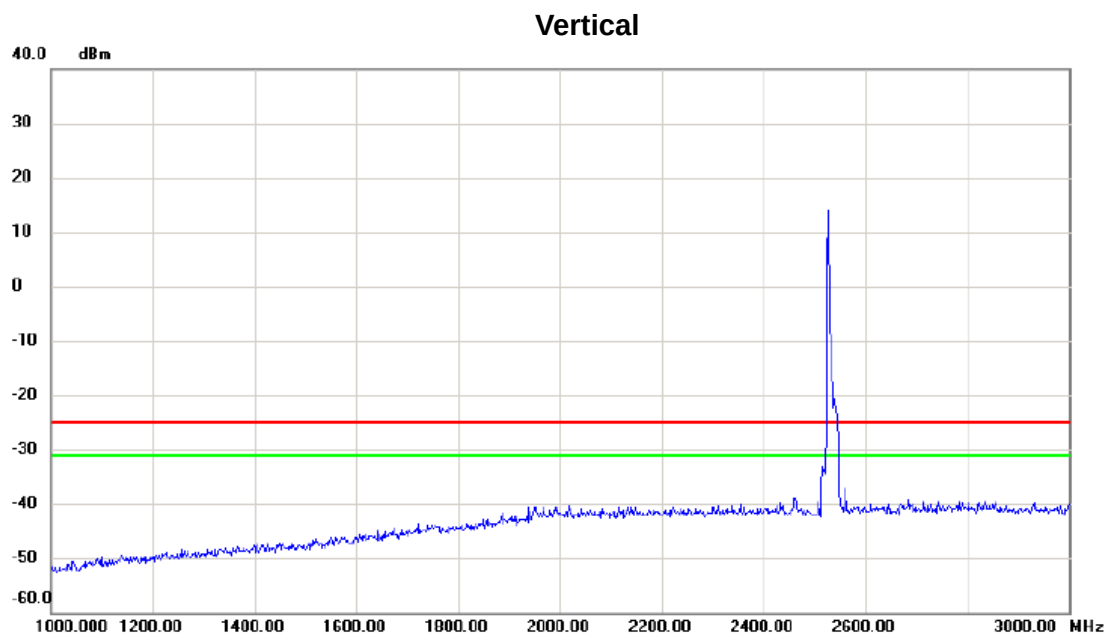
Test Mode: LTE Band 7_TX CH21100_5M

Horizontal



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

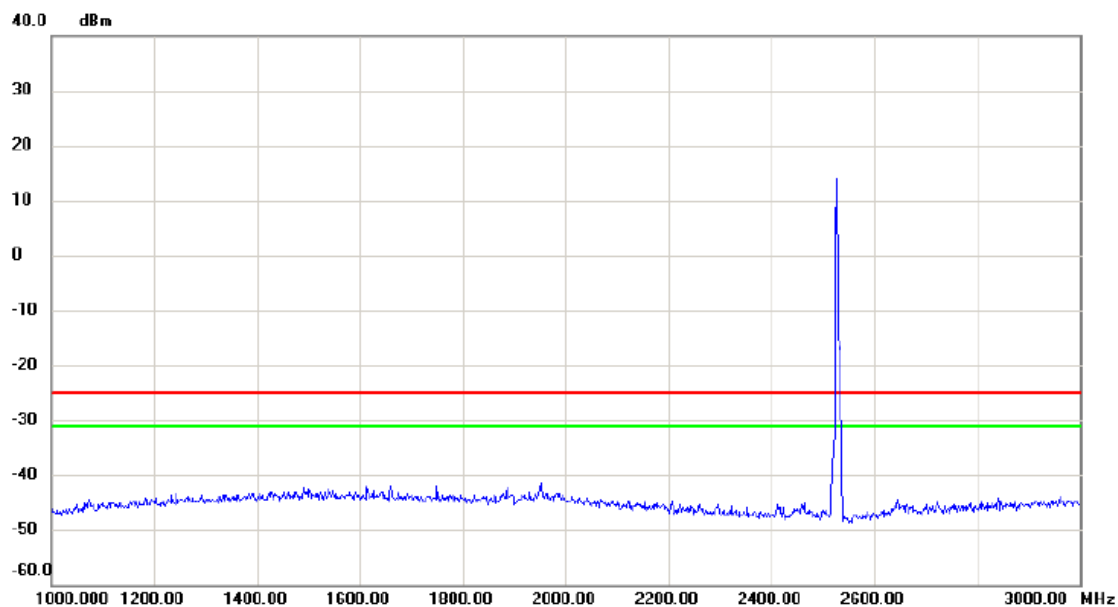
Test Mode: LTE Band 7_TX CH21100_20M



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

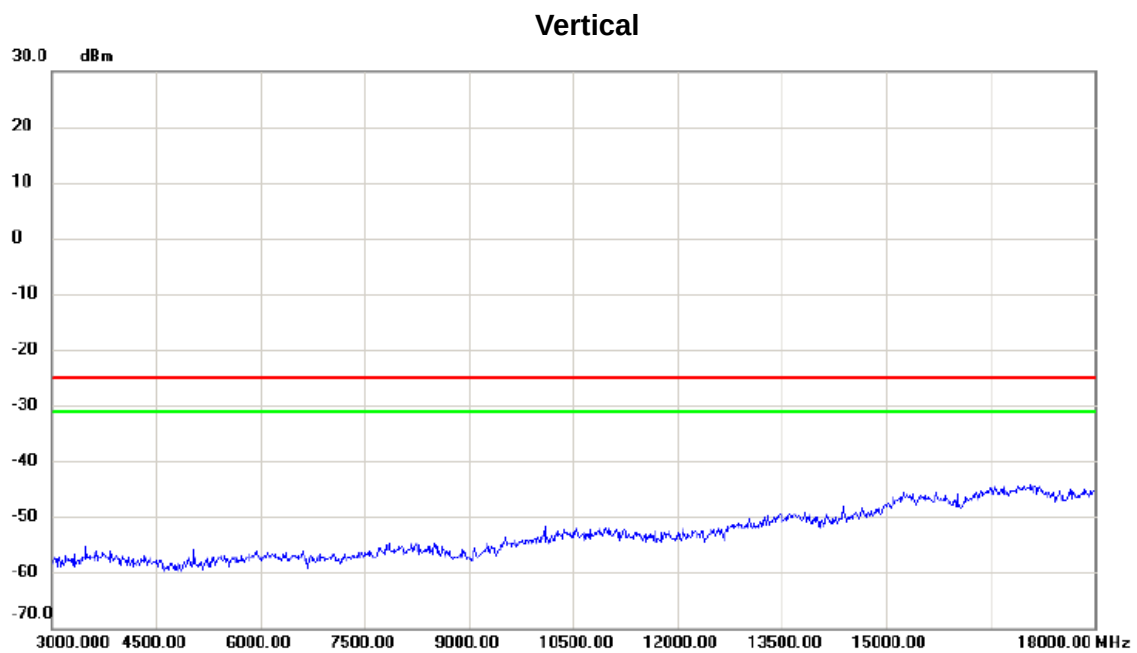
Test Mode: LTE Band 7_TX CH21100_20M

Horizontal



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

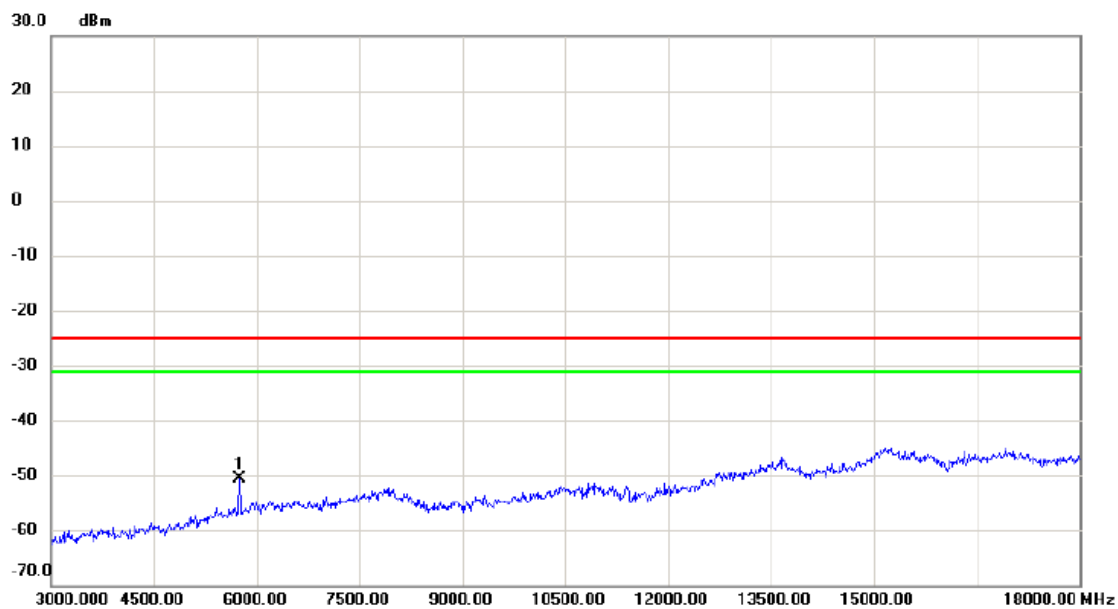
Test Mode:	LTE Band 7_TX CH21100_20M
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

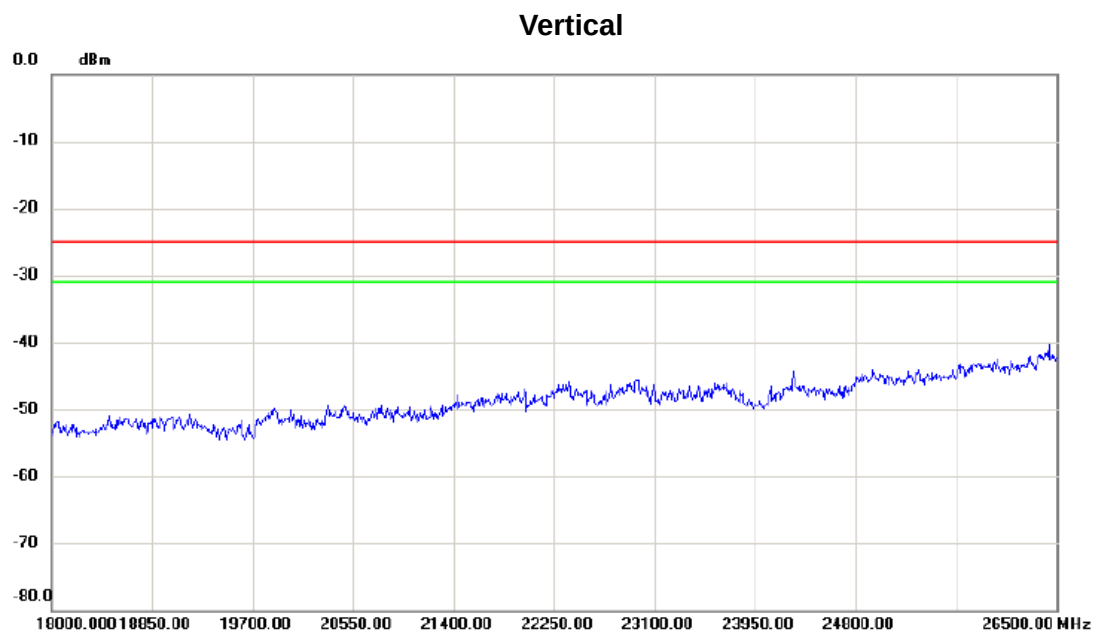
Test Mode: LTE Band 7_TX CH21100_20M

Horizontal



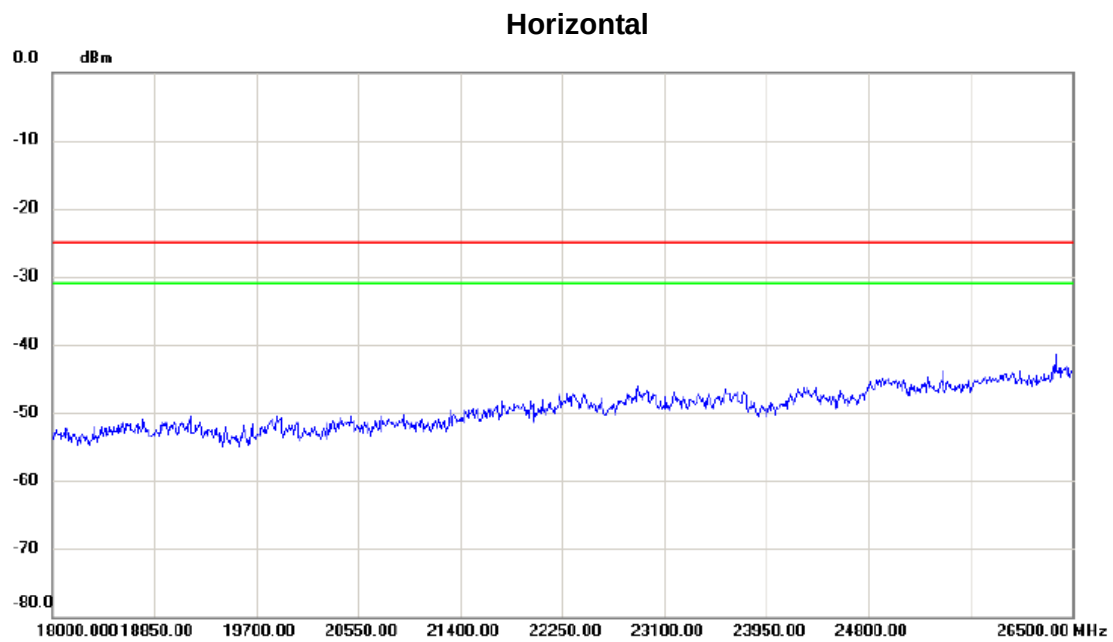
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	5745.000	-67.91	17.38	-50.53	-25.00	-25.53	peak	

Test Mode: LTE Band 7_TX CH21100_20M



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

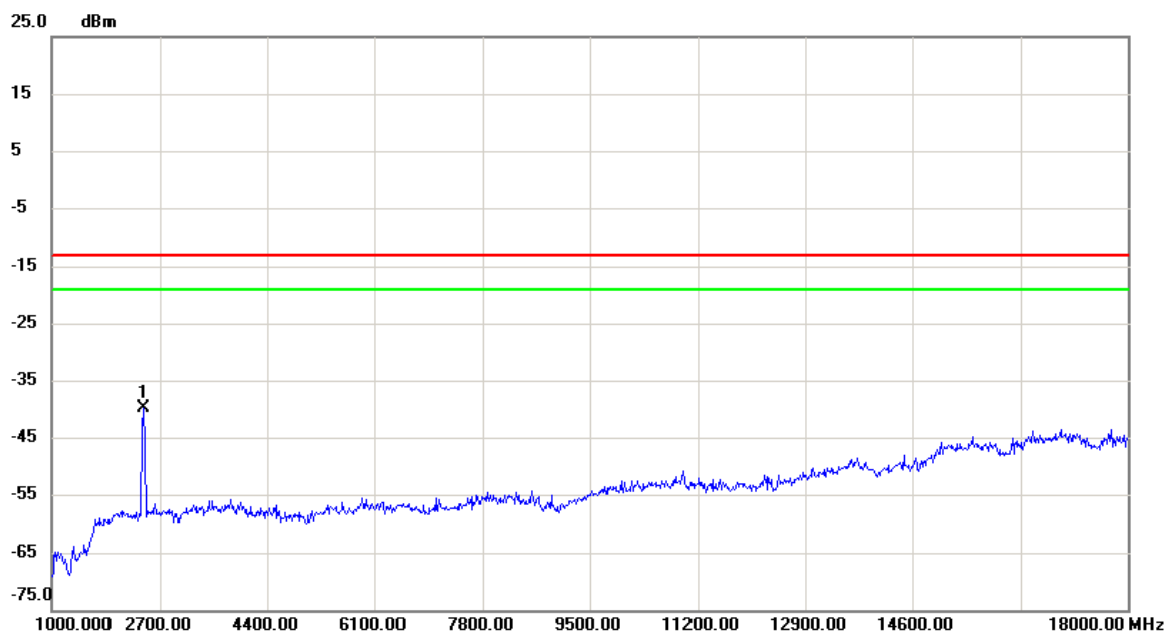
Test Mode:	LTE Band 7_TX CH21100_20M
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 17_TX CH23755_5M
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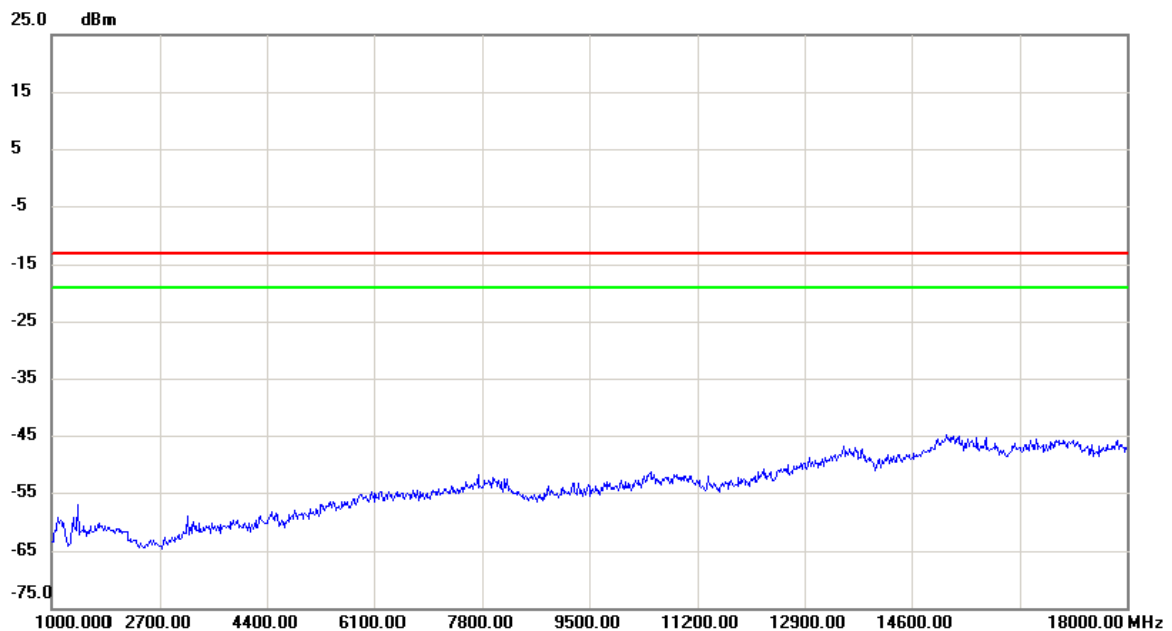
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2428.000	-51.89	12.02	-39.87	-13.00	-26.87	peak	

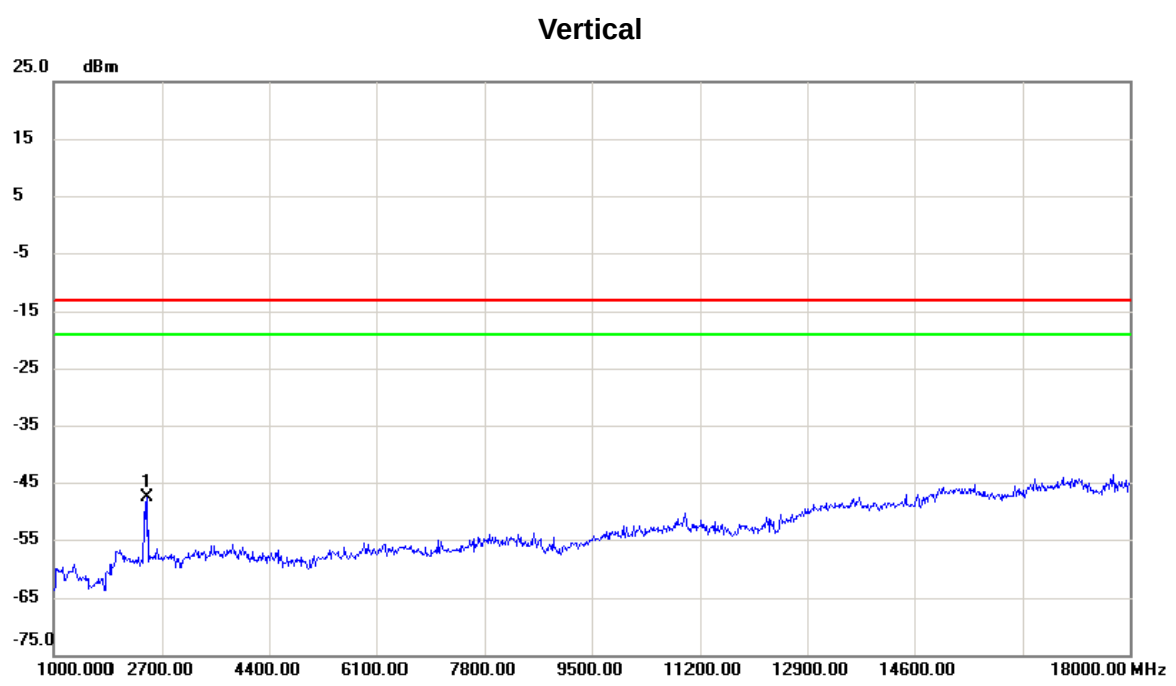
Test Mode: LTE Band 17_TX CH23755_5M

Horizontal



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

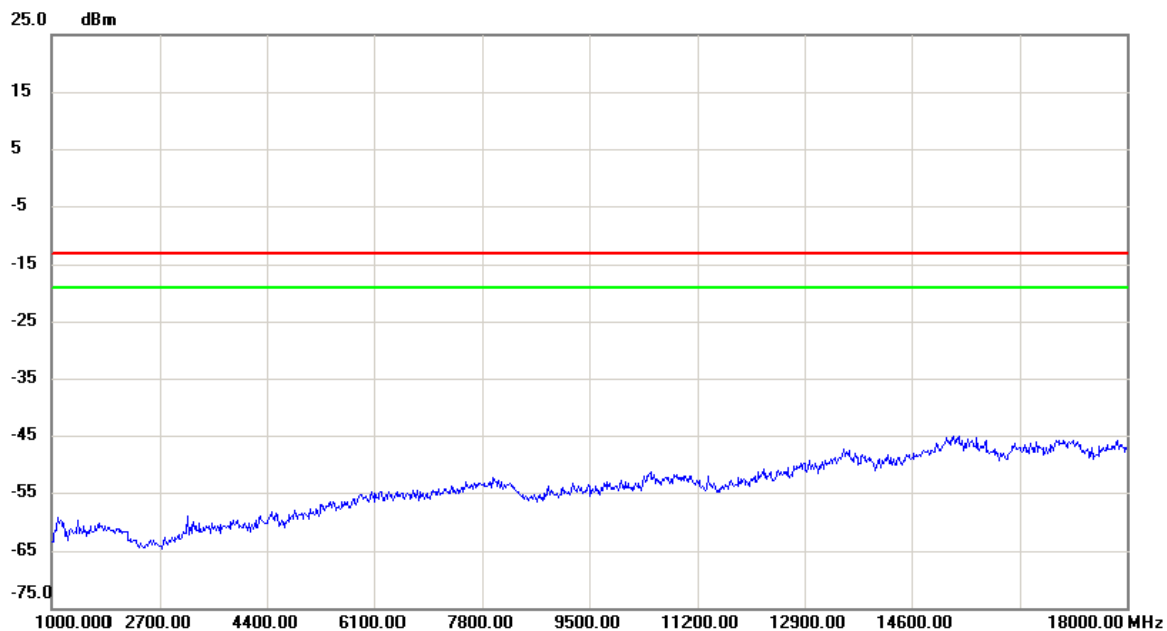
Test Mode:	LTE Band 17_TX CH23755_10M
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2462.000	-59.67	12.11	-47.56	-13.00	-34.56	peak	

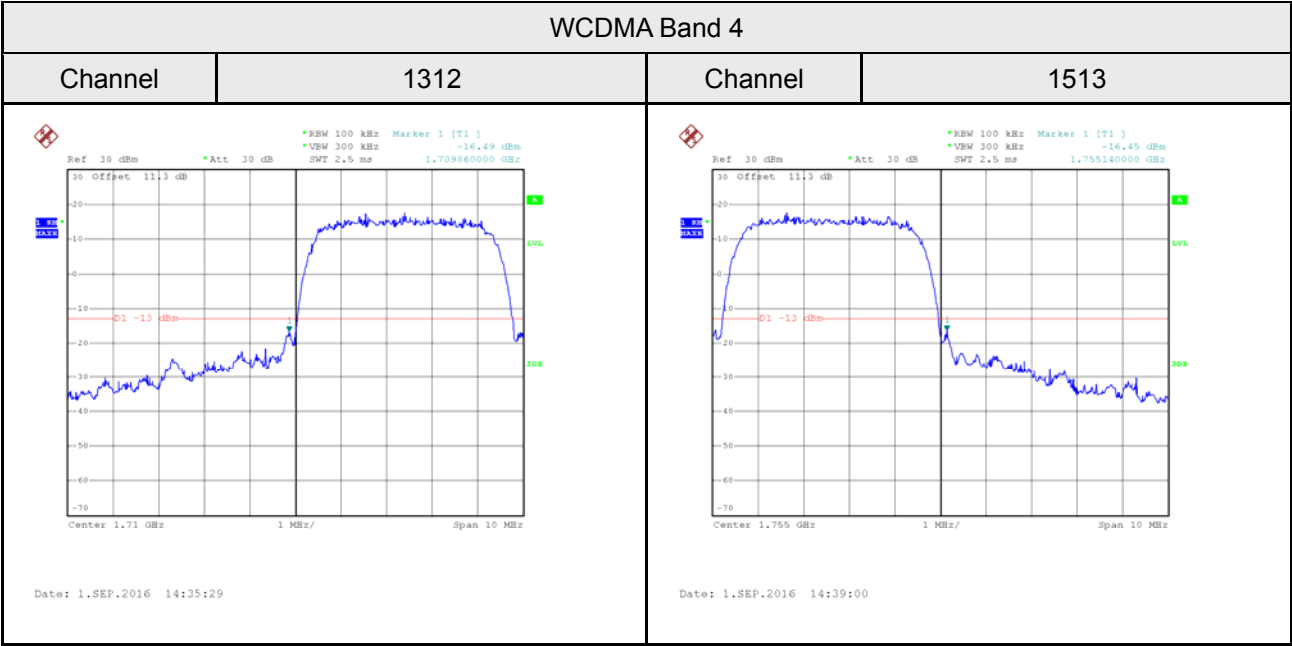
Test Mode: LTE Band 17_TX CH23755_10M

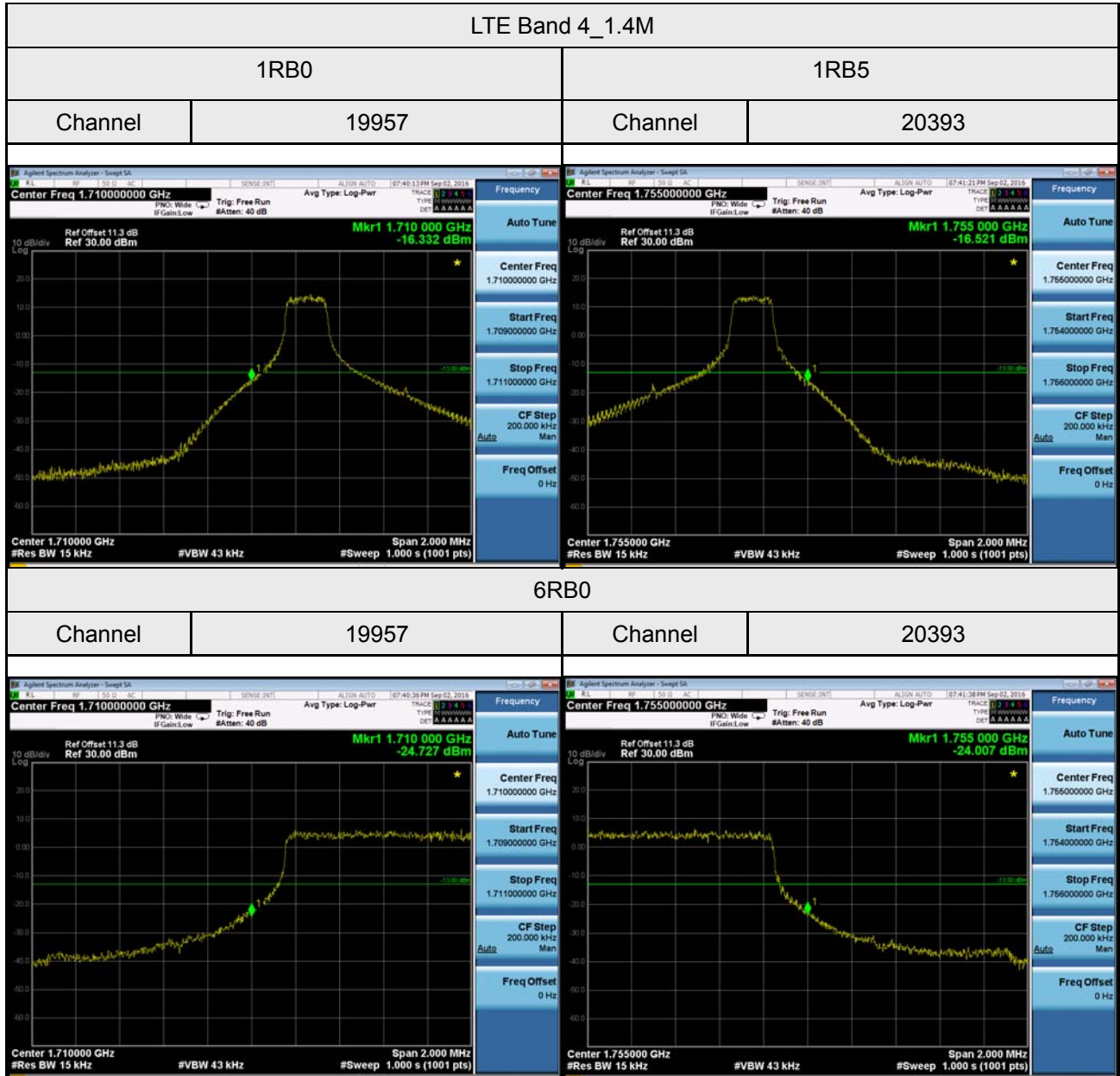
Horizontal

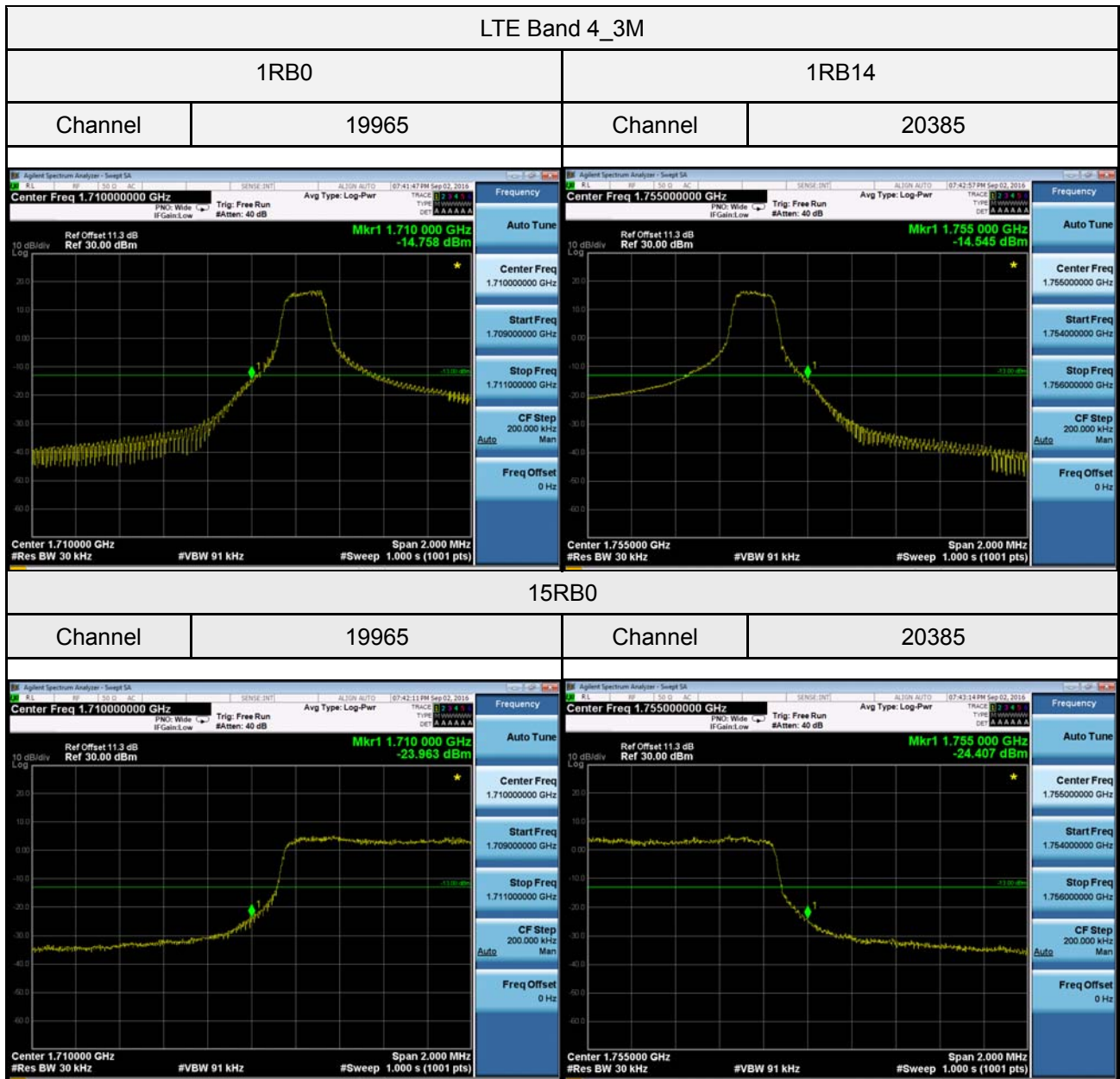


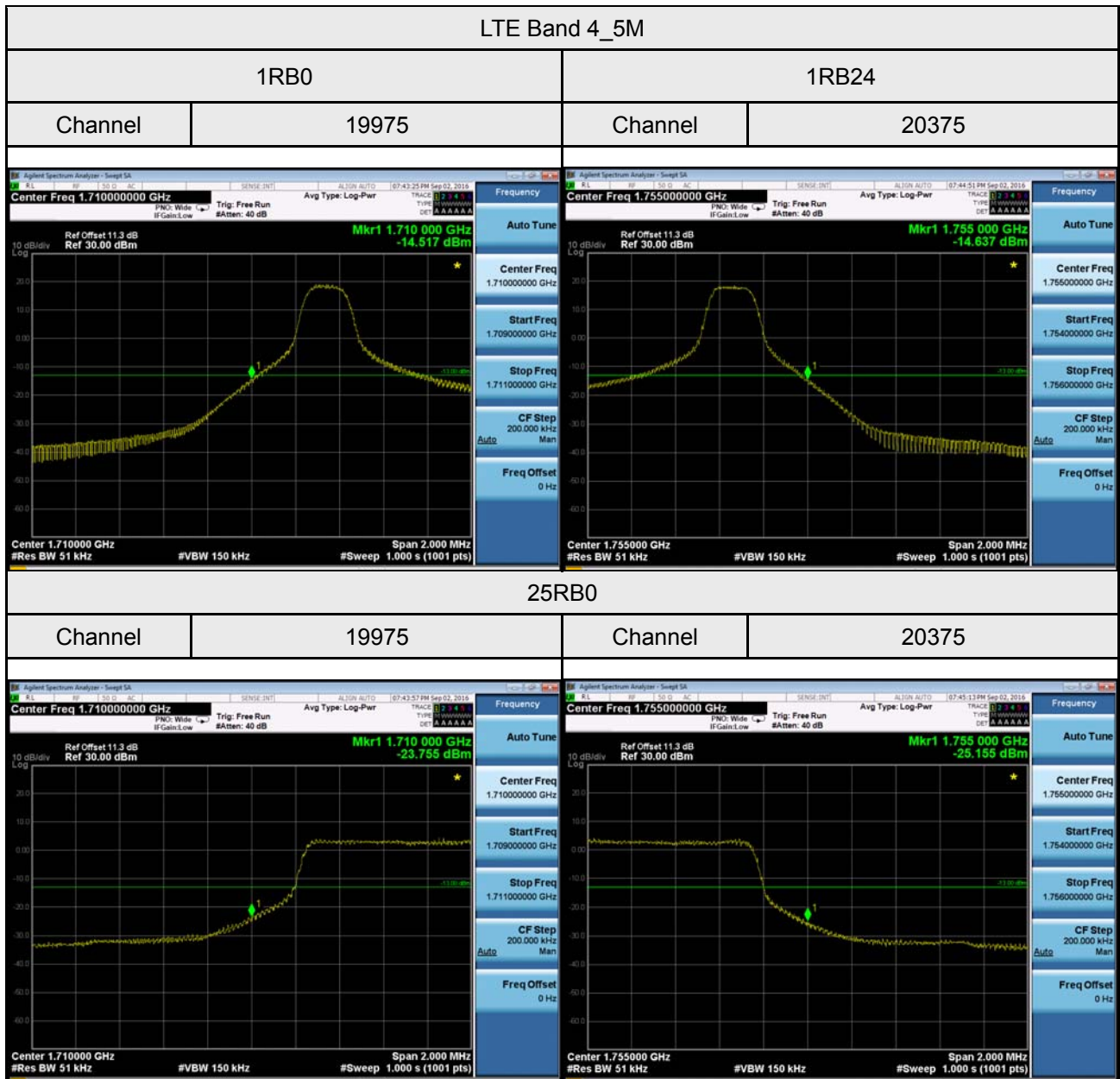
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

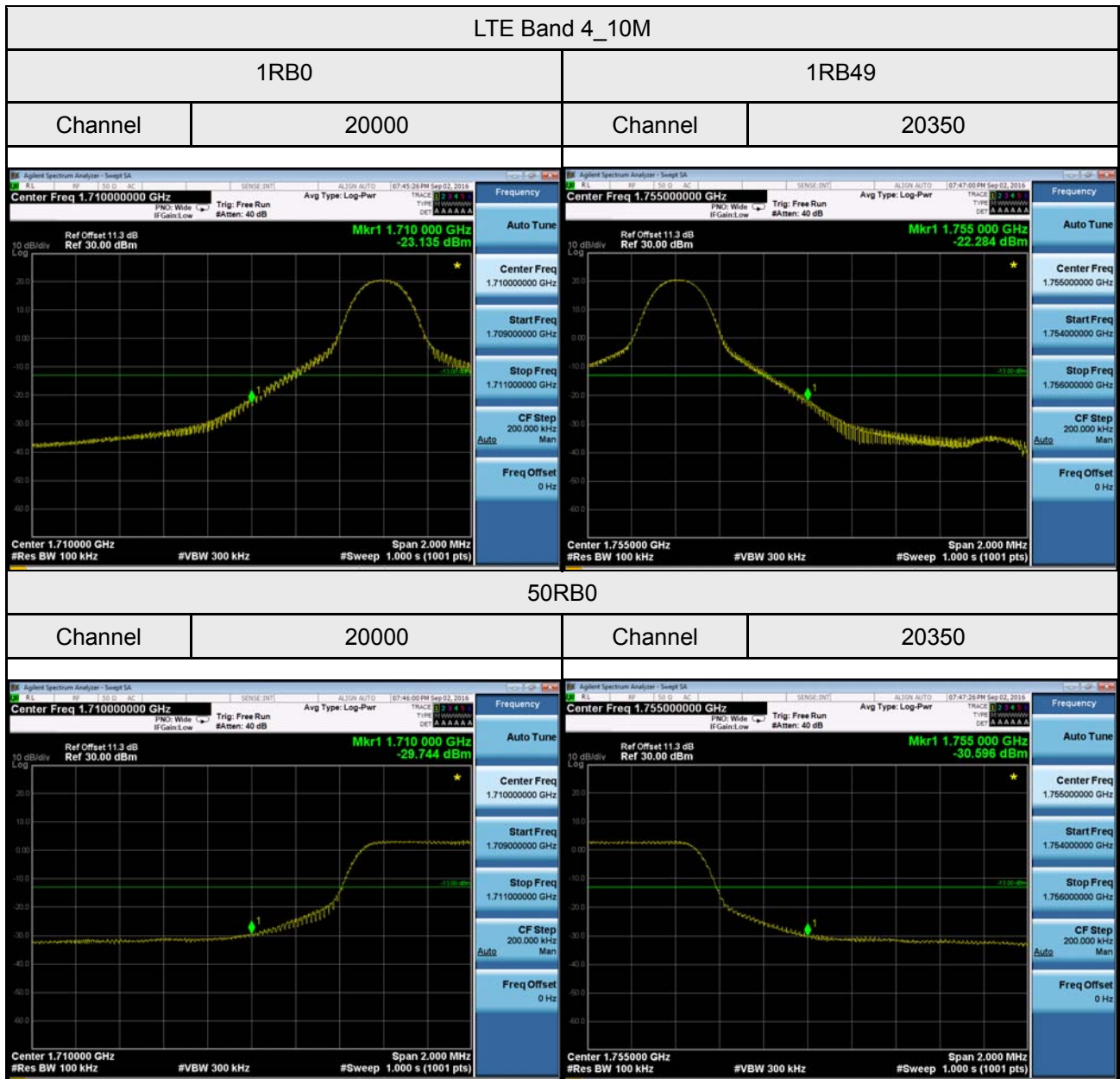
ATTACHMENT E - BAND EDGE

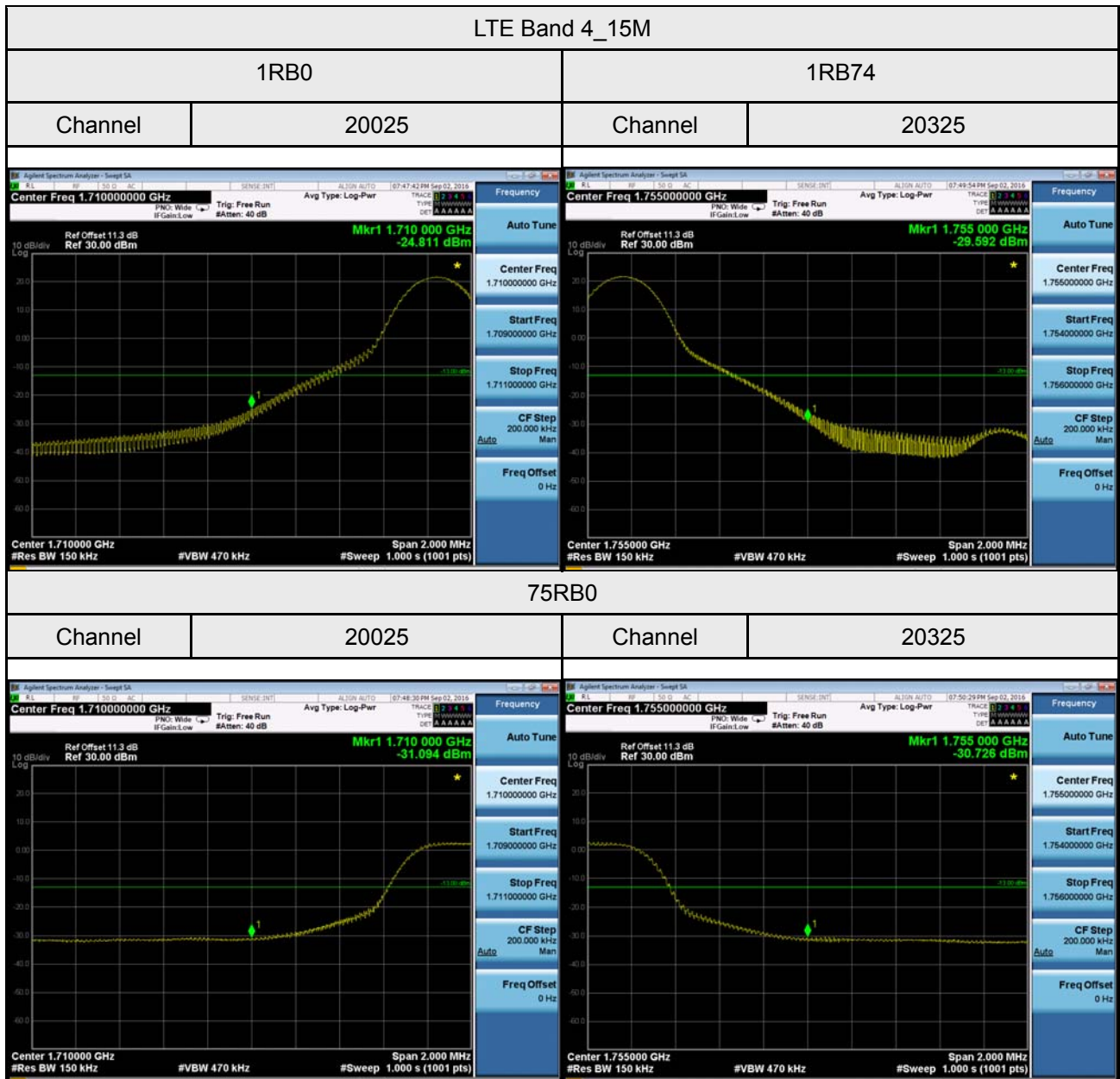


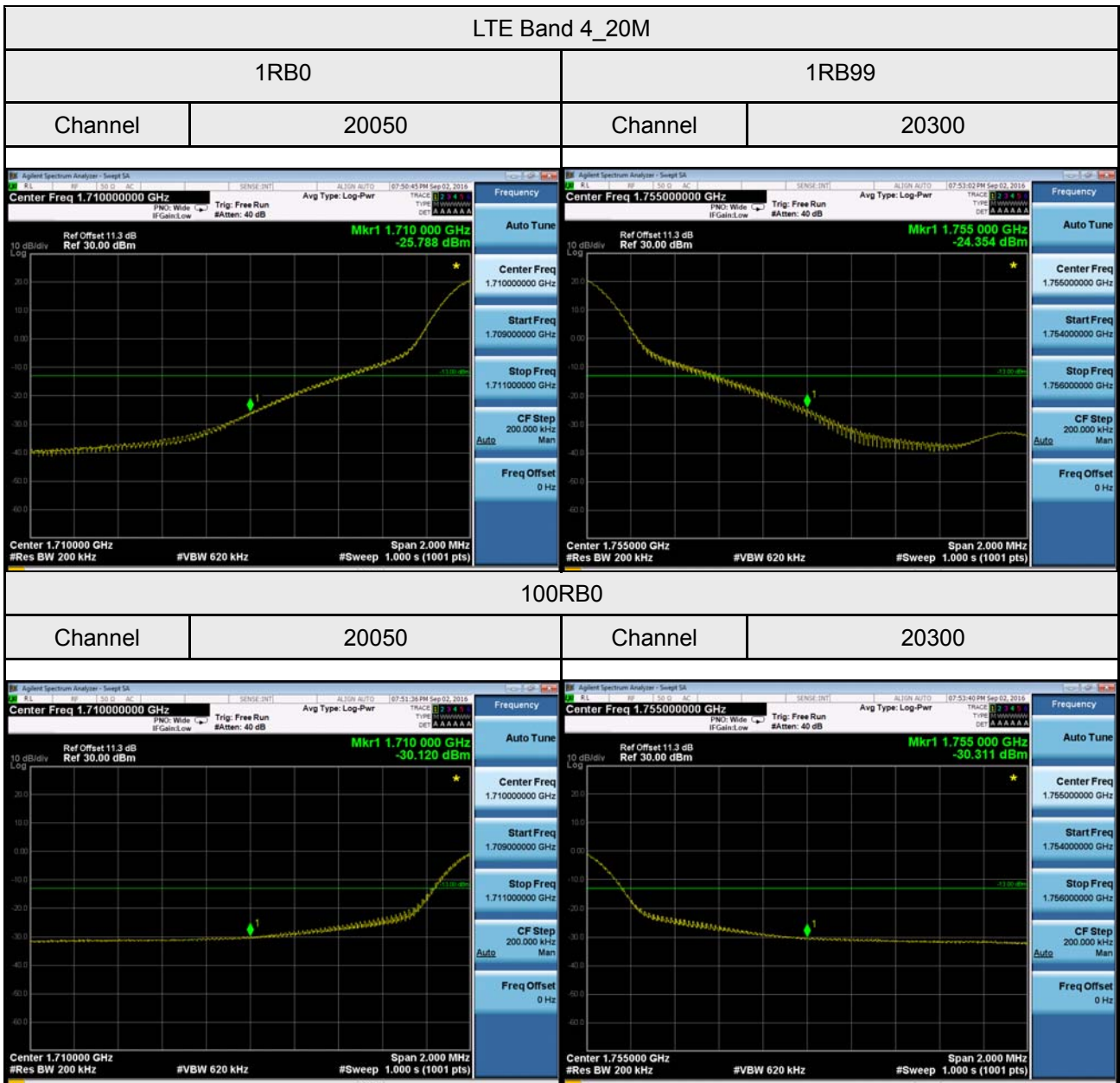


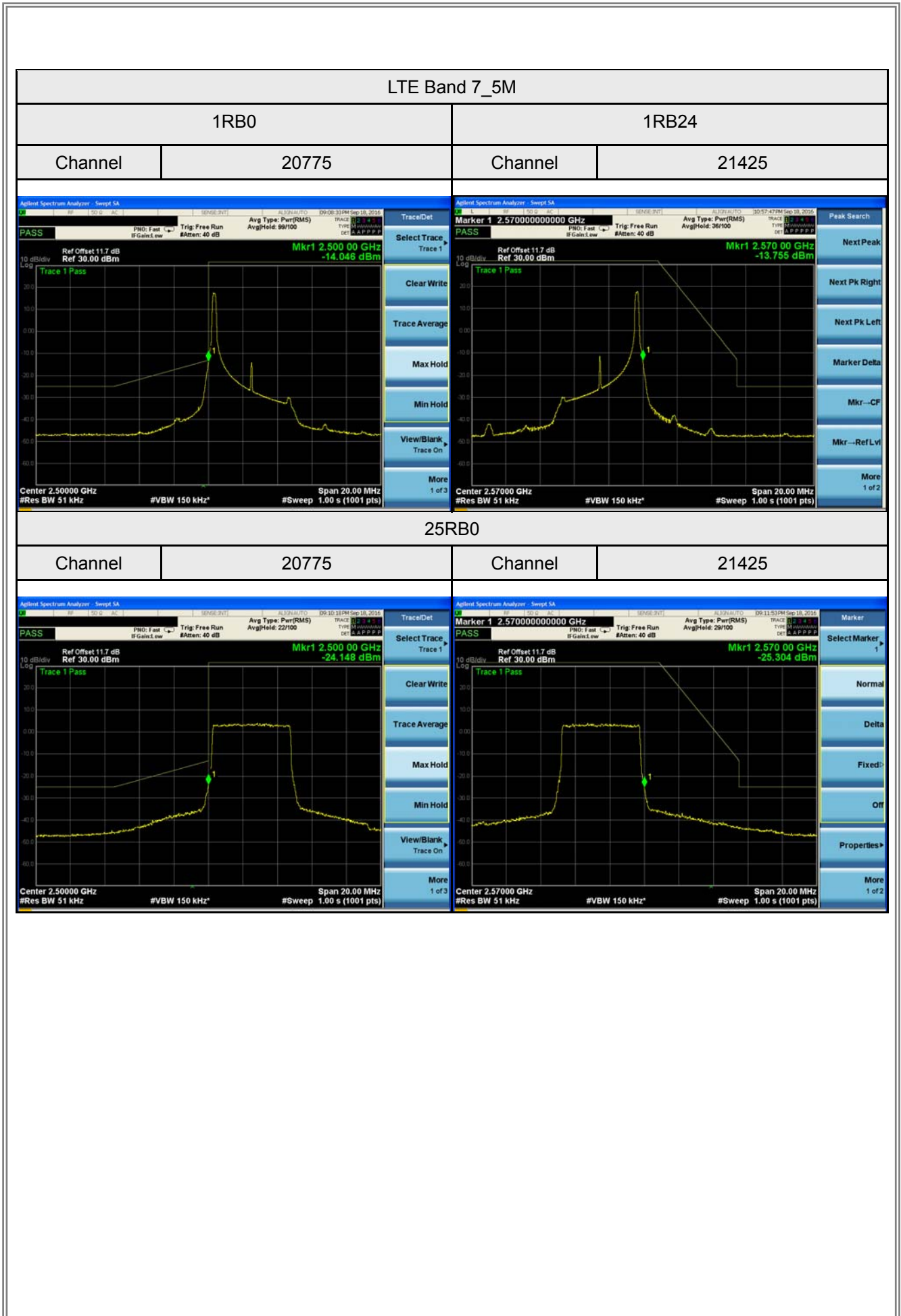


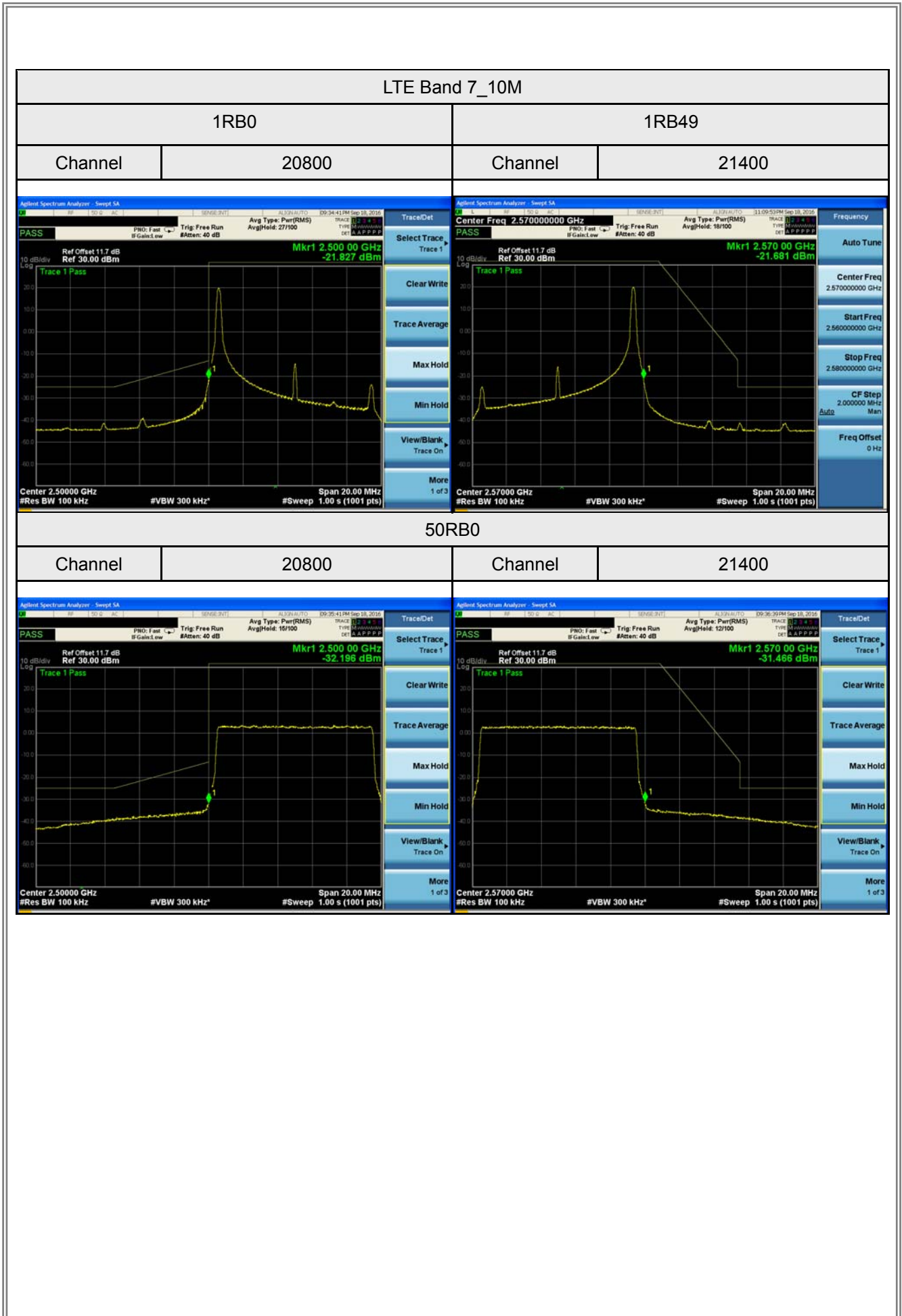


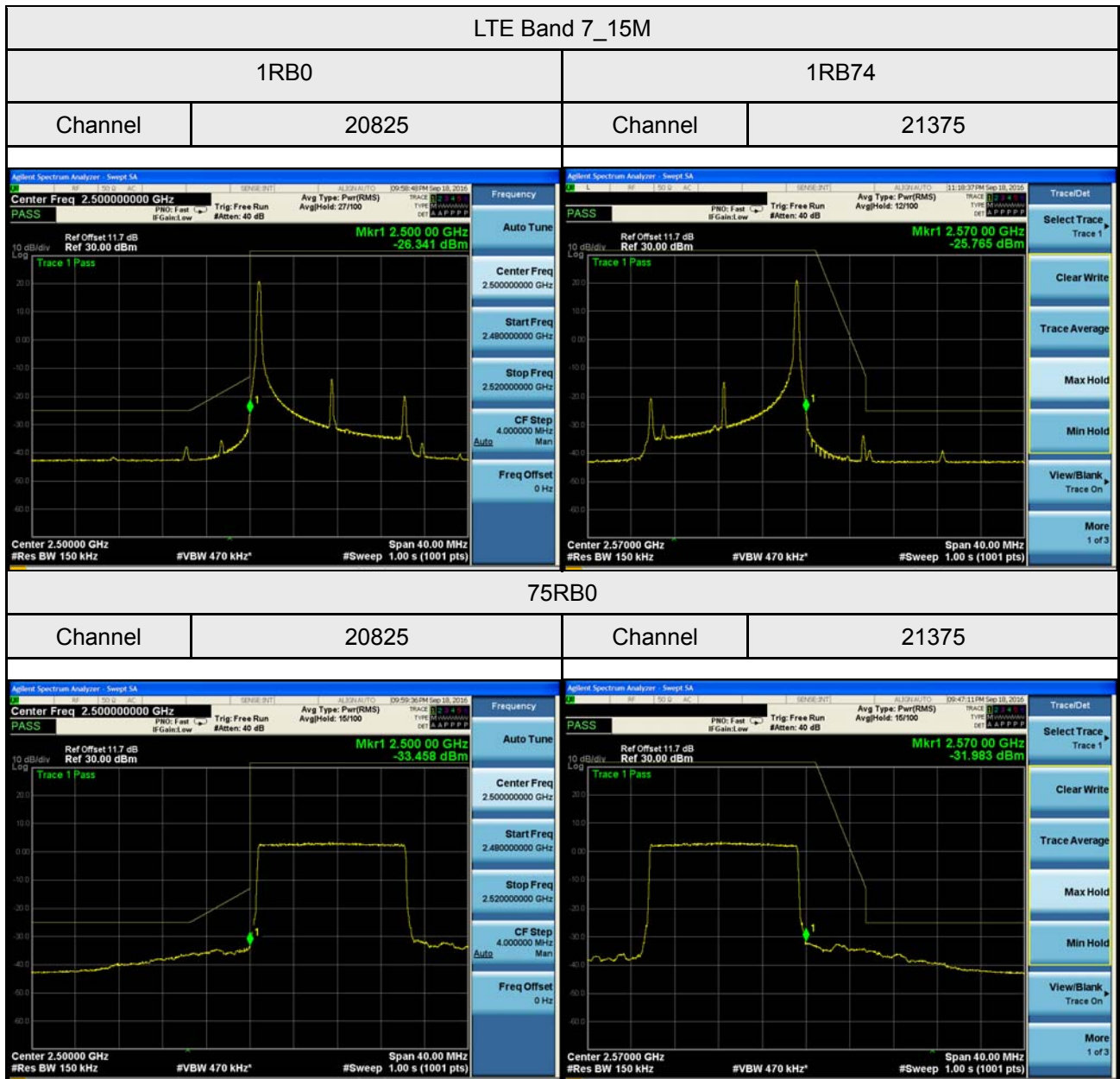


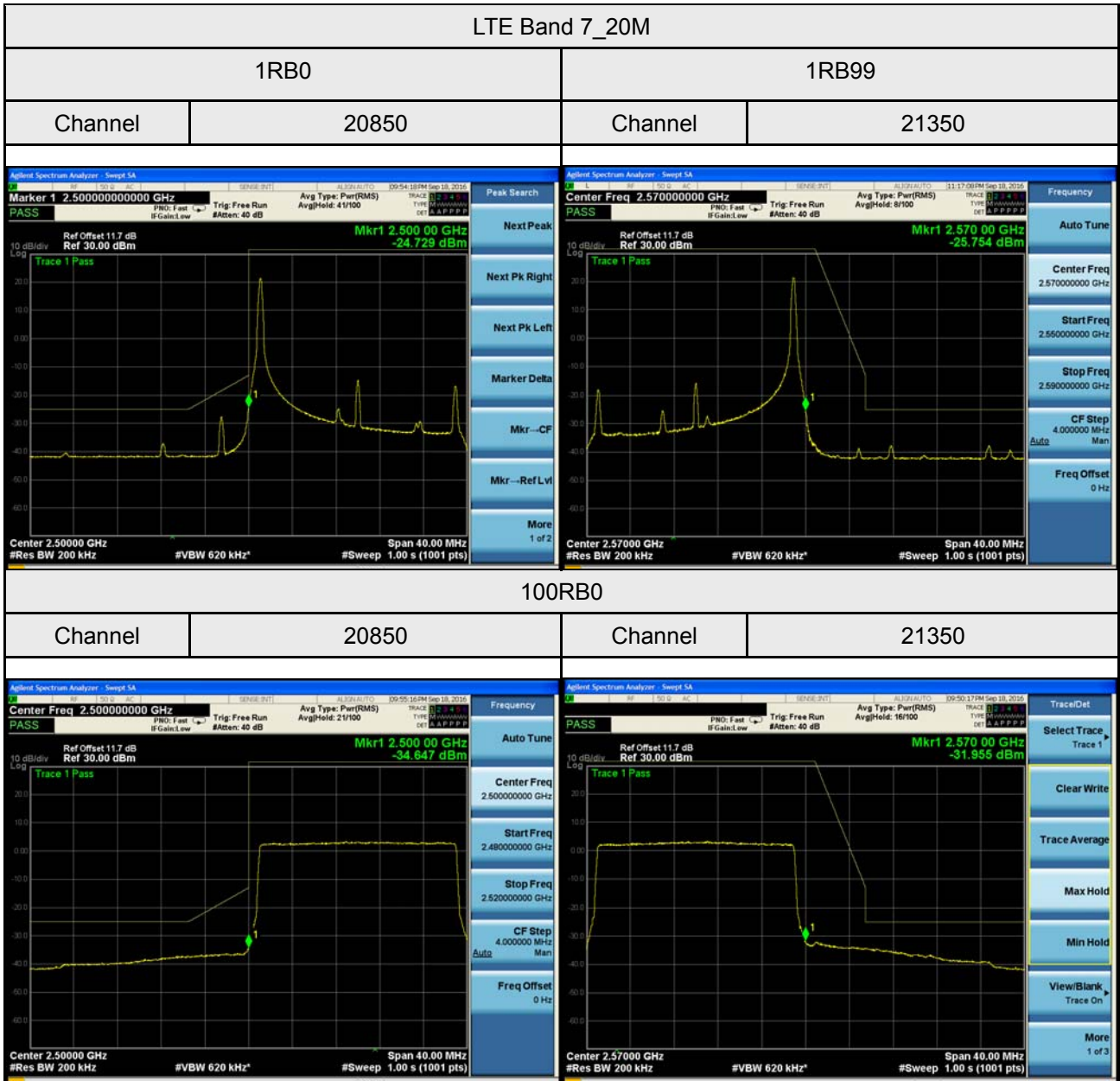


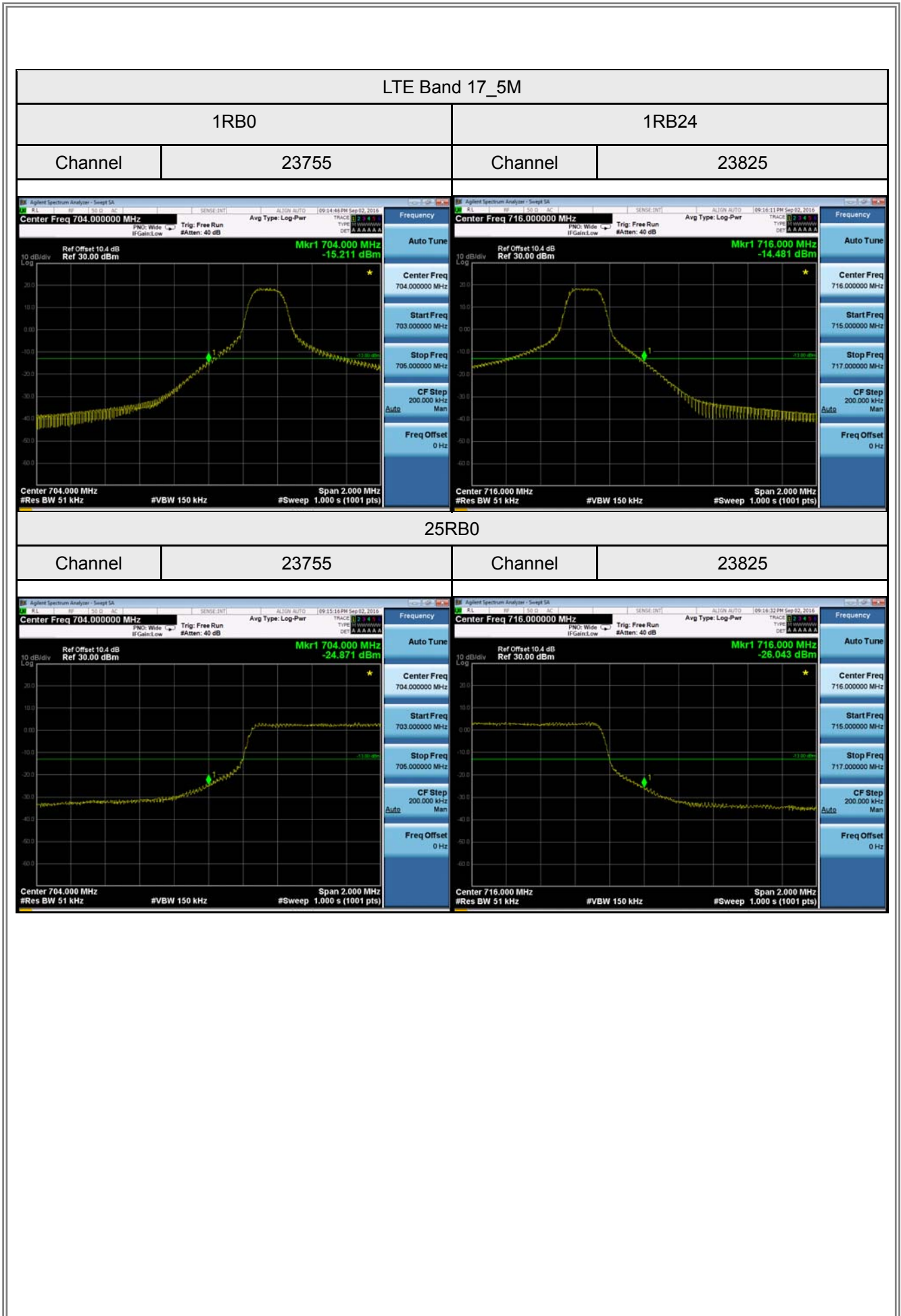


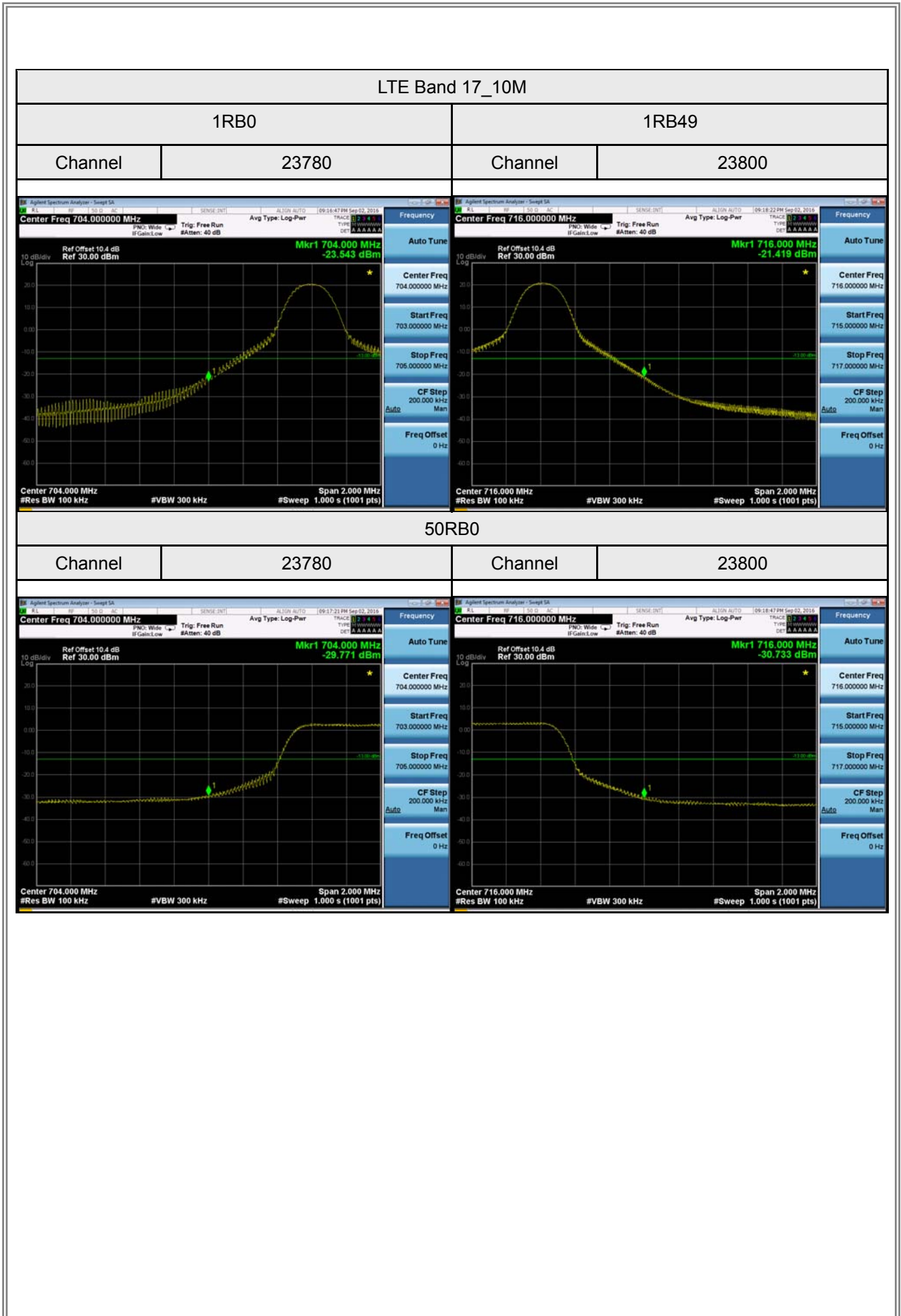








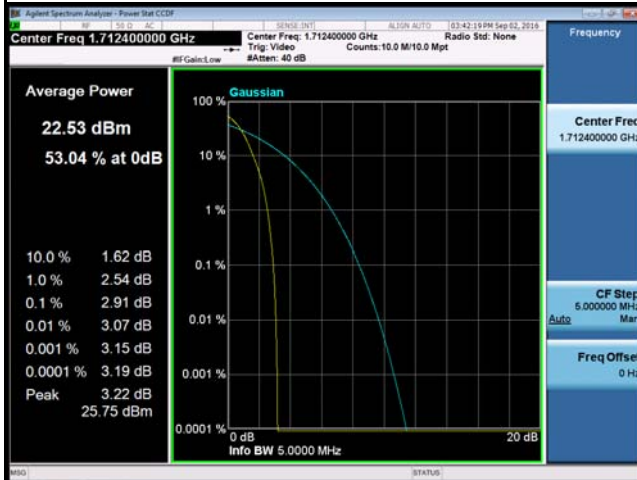




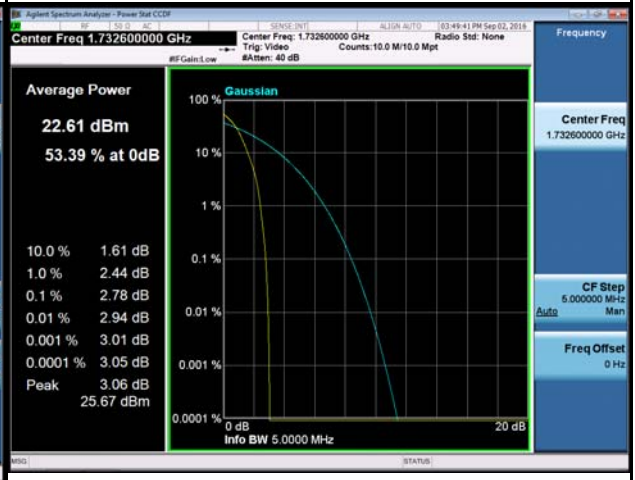
ATTACHMENT F - PEAK TO AVERAGE RATIO

WCDMA Band 4 Spectrum Plot

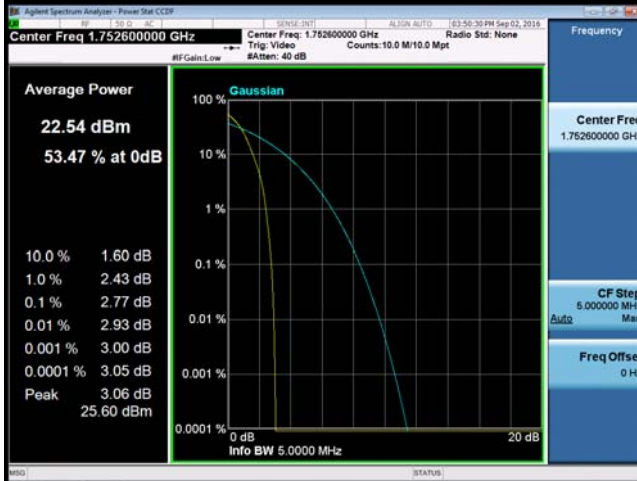
1312



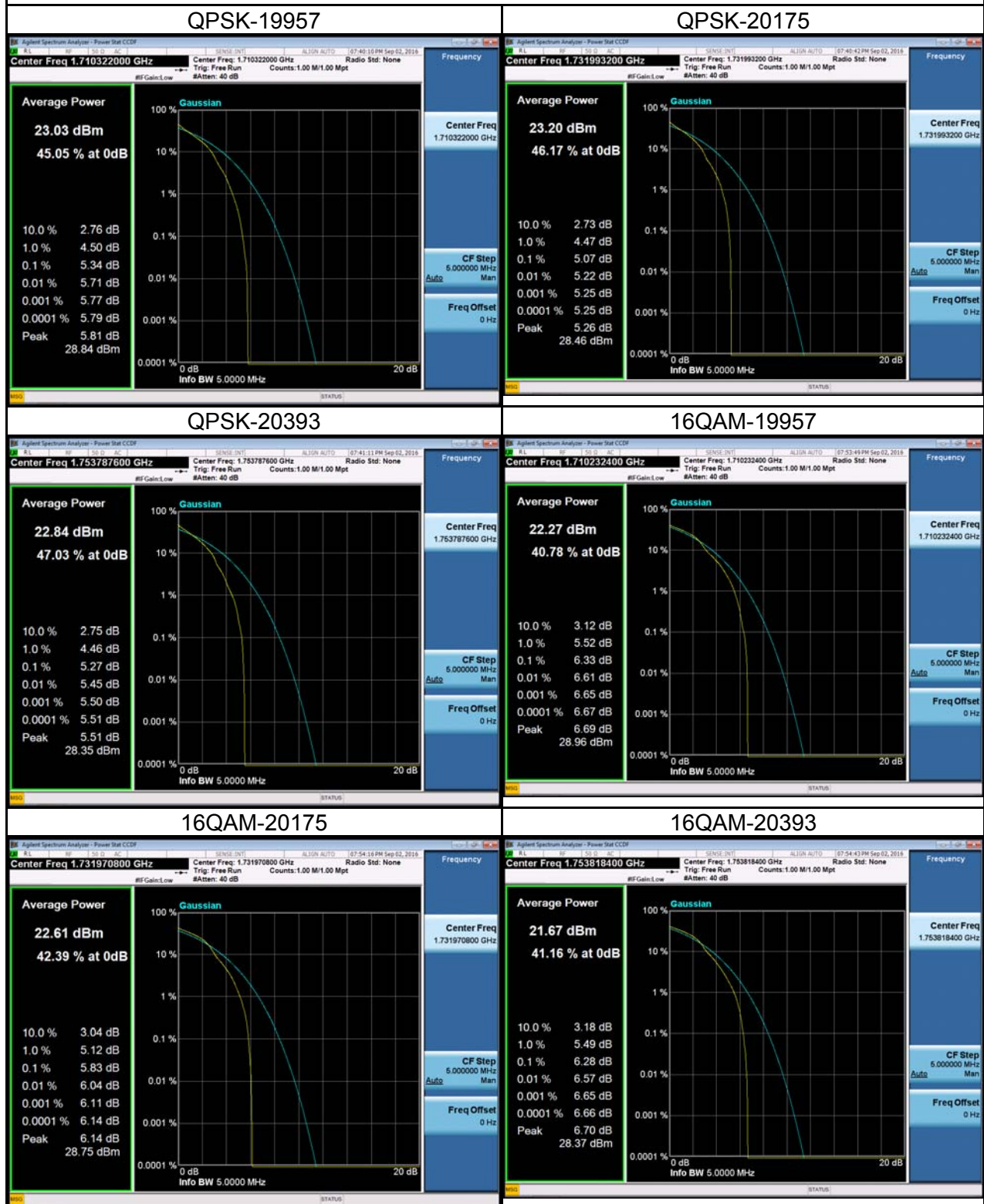
1413



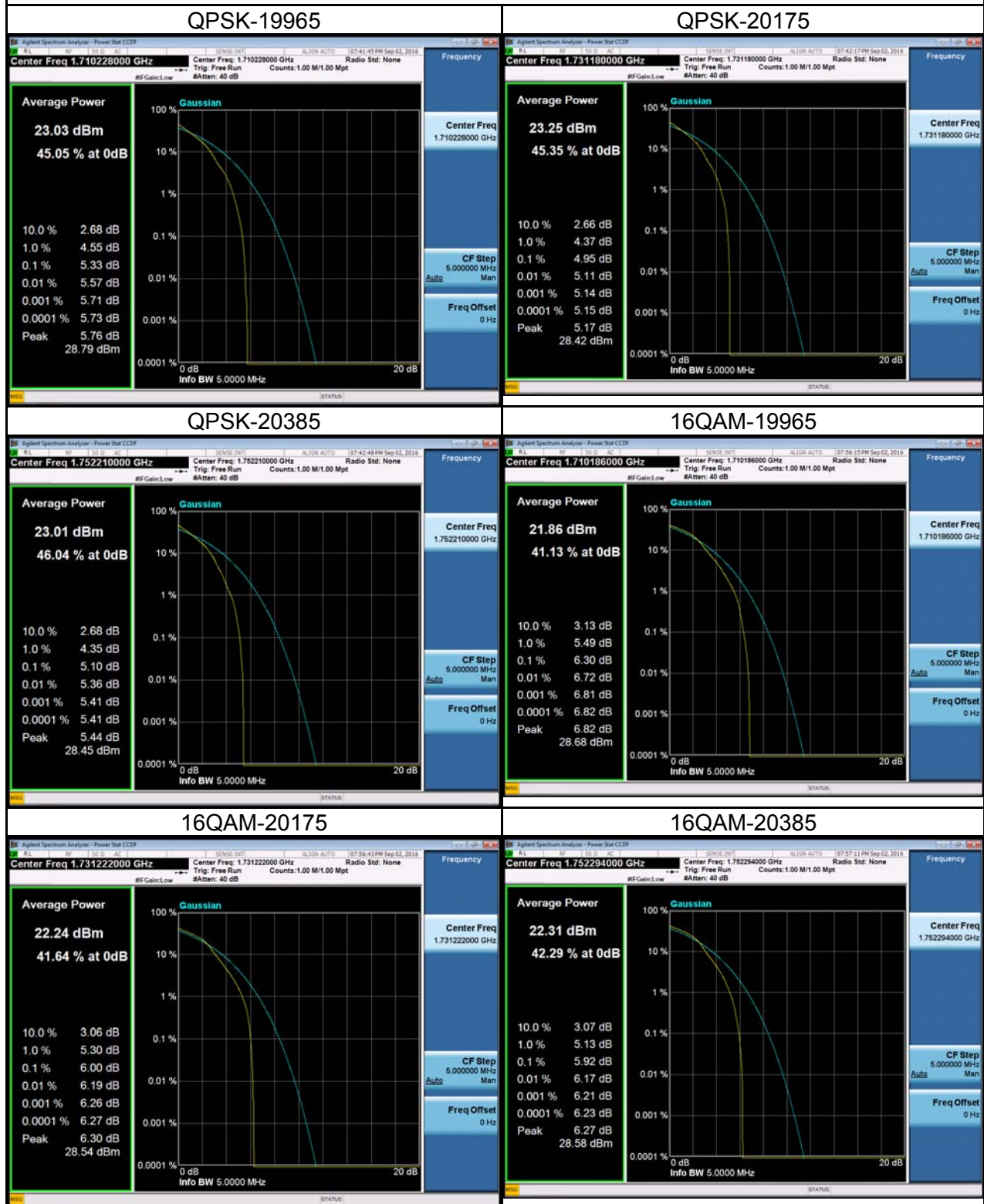
1513



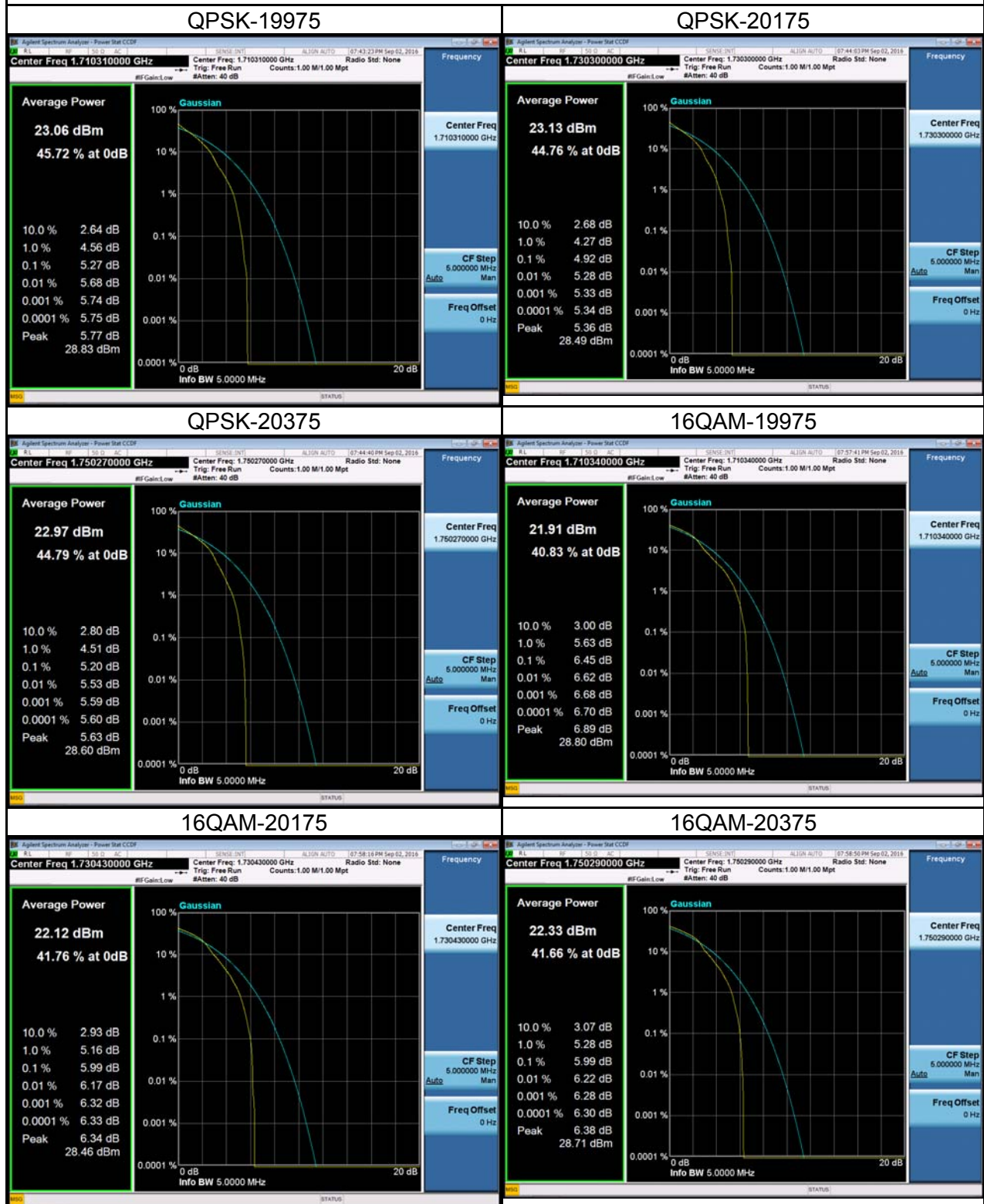
LTE Band 4 Spectrum Plot_1.4M



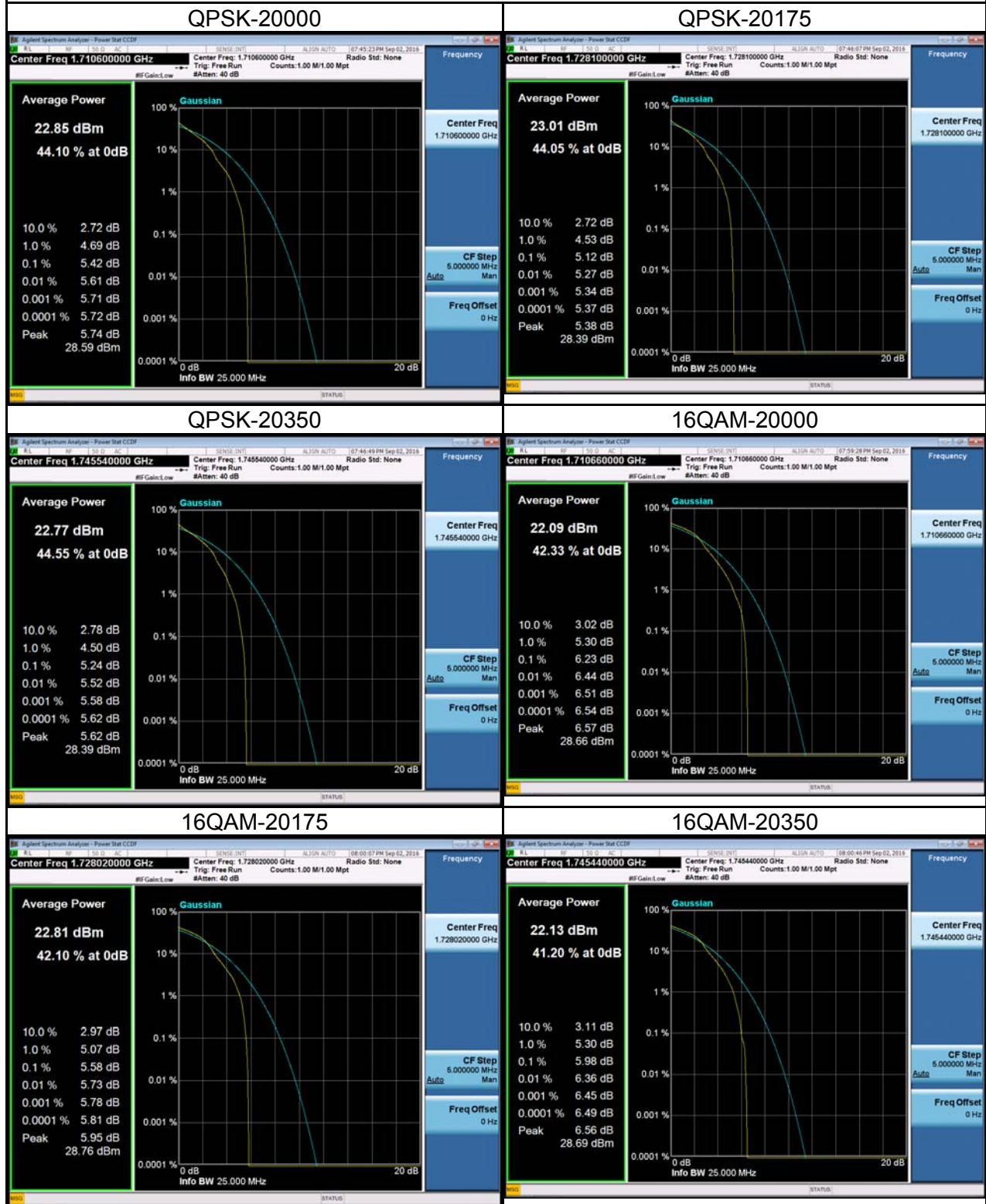
LTE Band 4 Spectrum Plot_3M



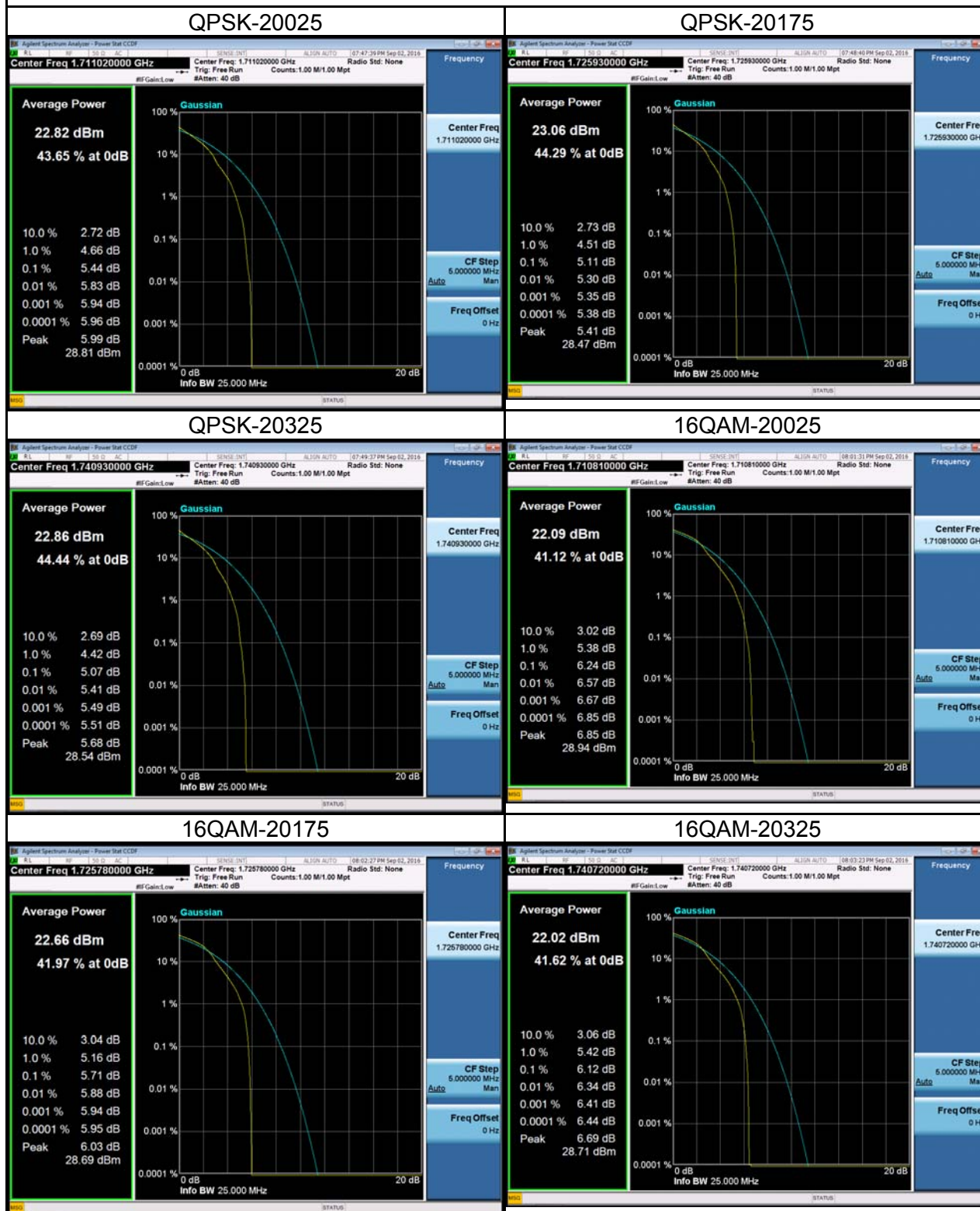
LTE Band 4 Spectrum Plot_5M



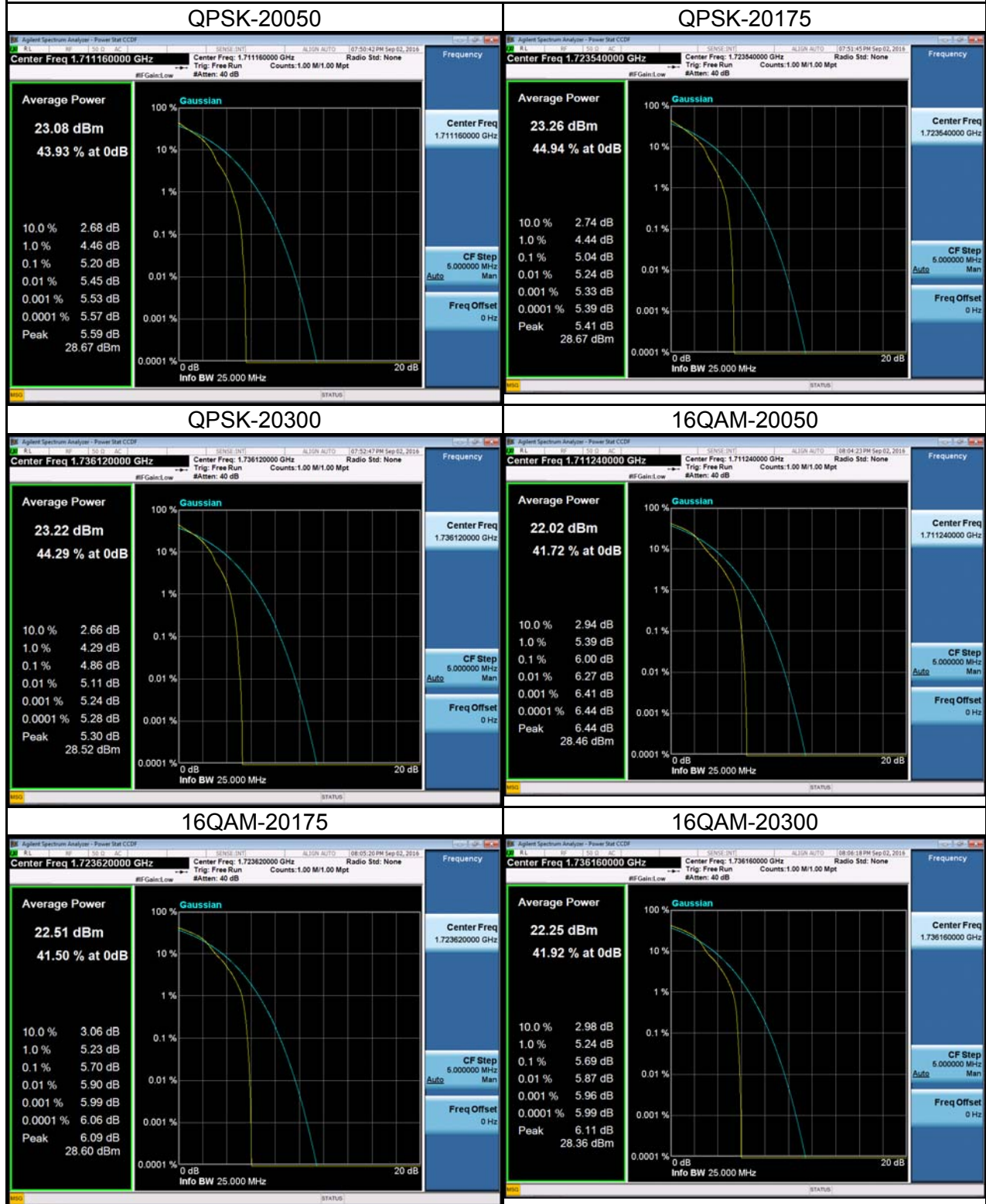
LTE Band 4 Spectrum Plot_10M



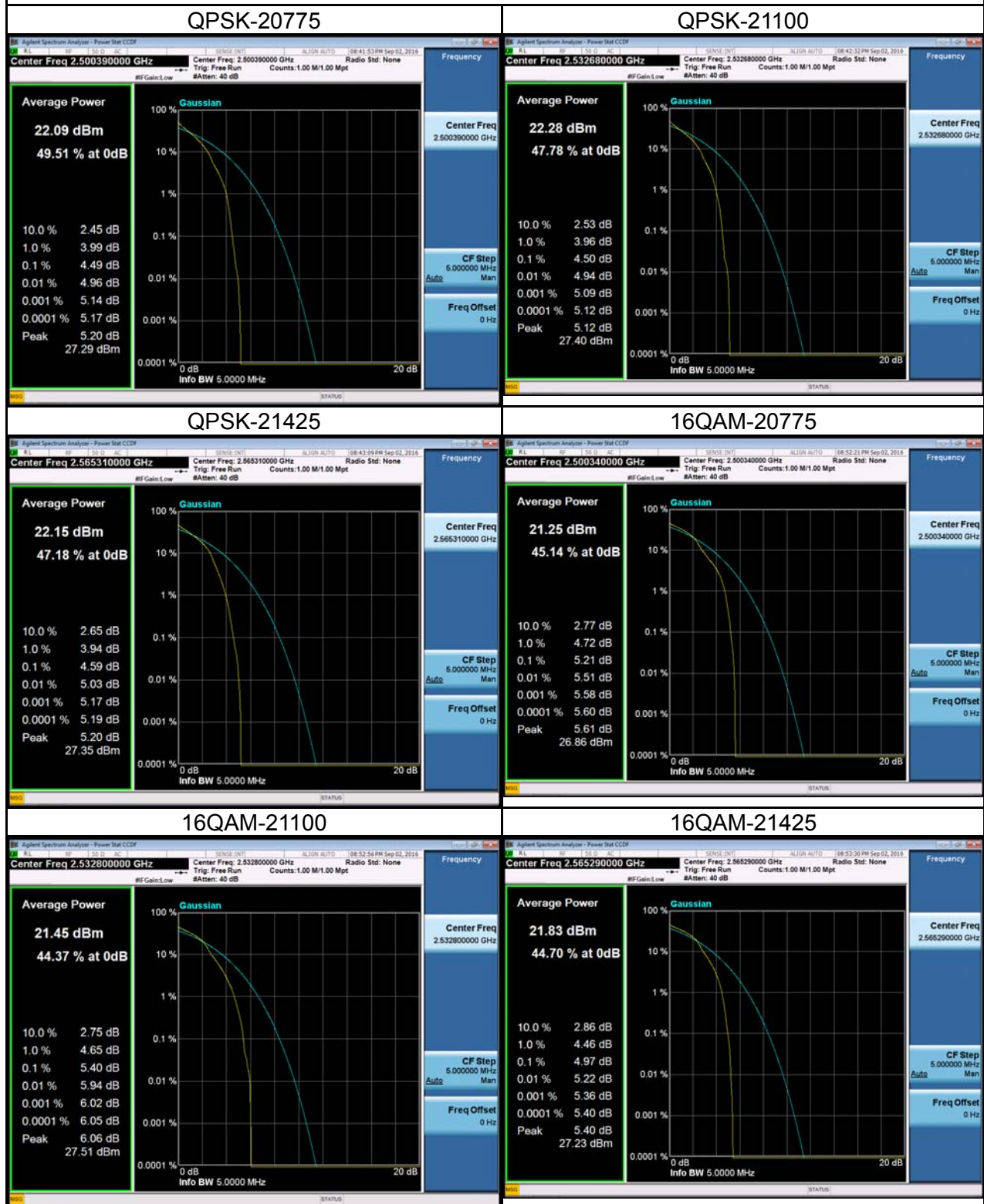
LTE Band 4 Spectrum Plot_15M



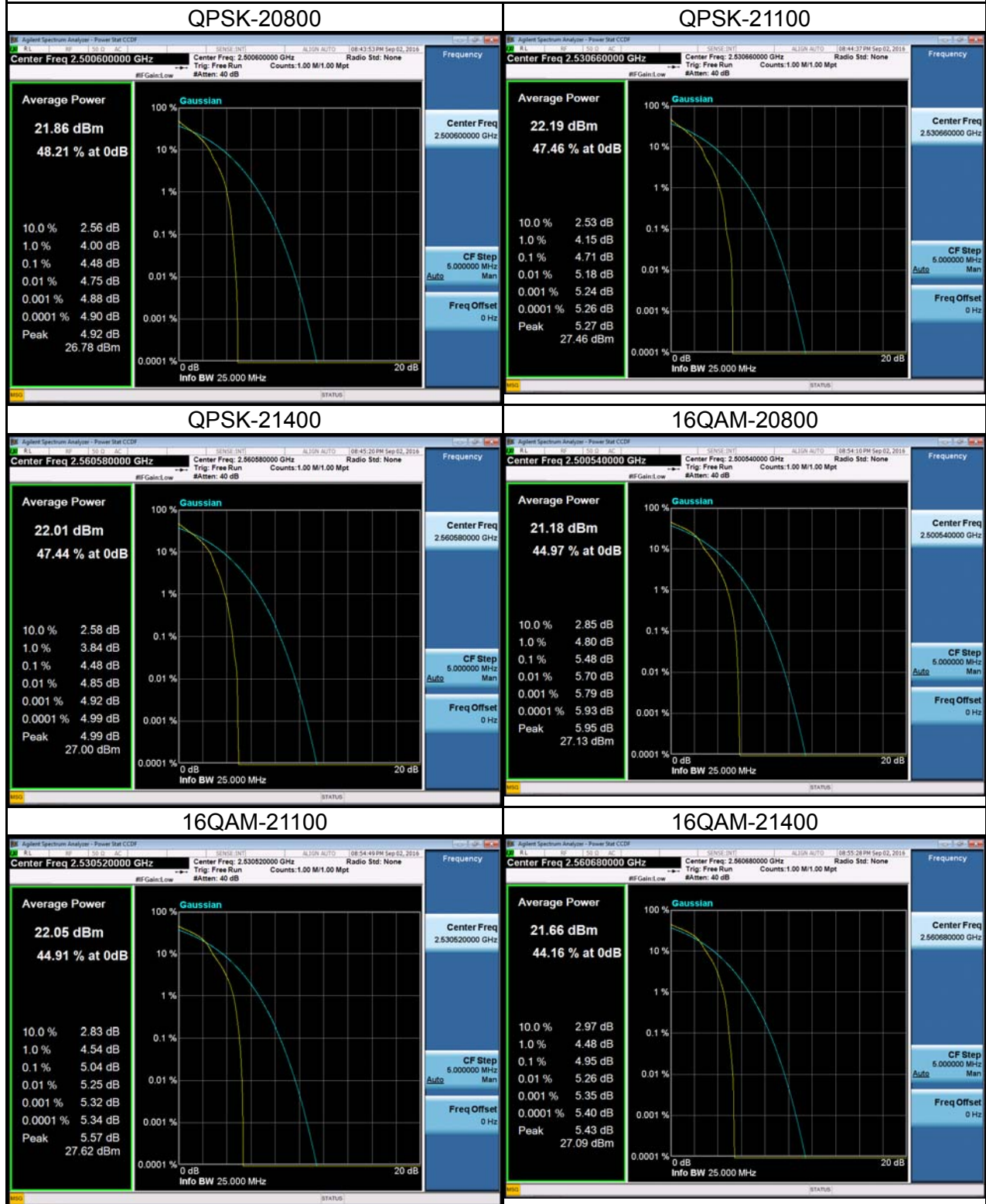
LTE Band 4 Spectrum Plot_20M



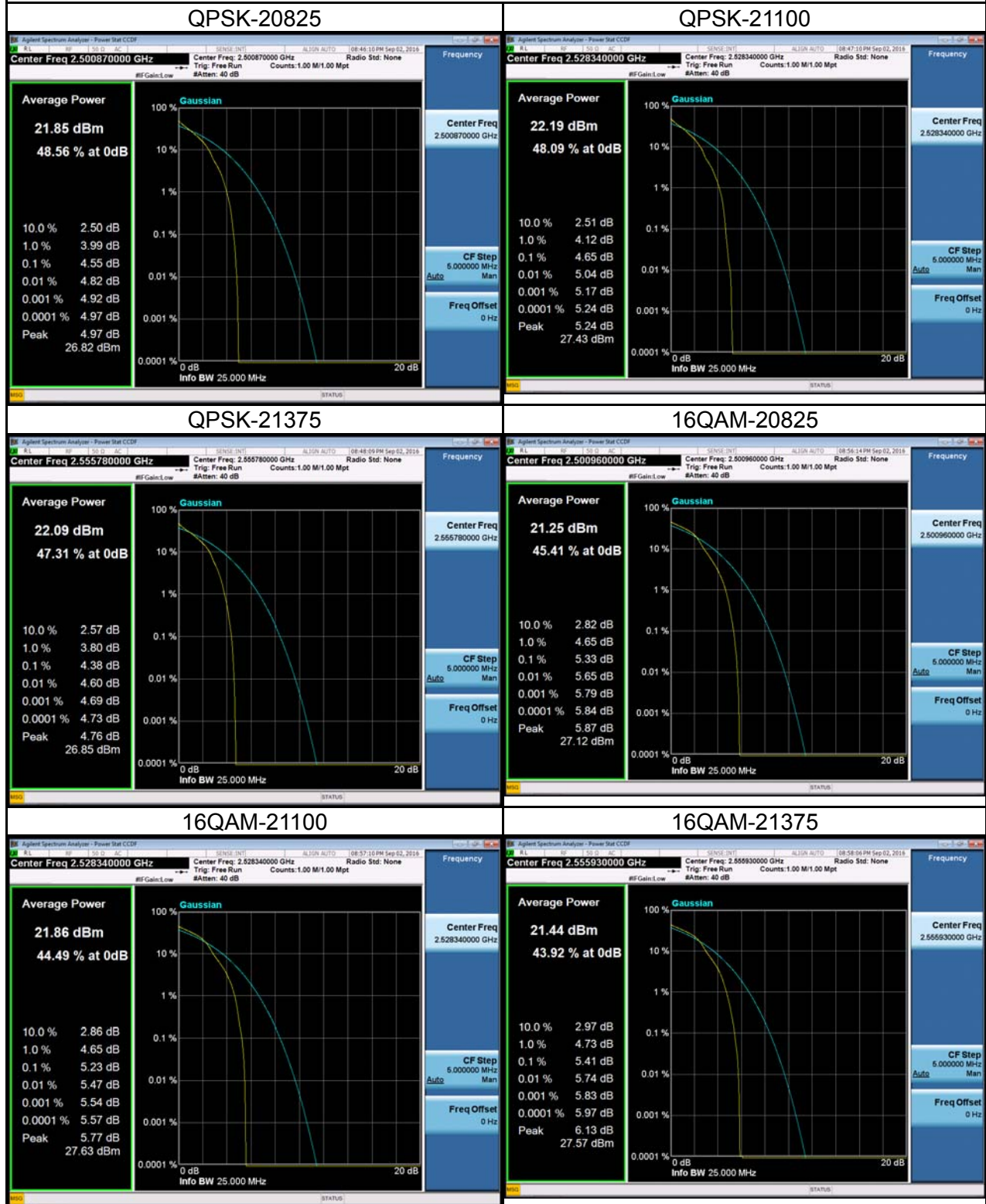
LTE Band 7 Spectrum Plot_5M



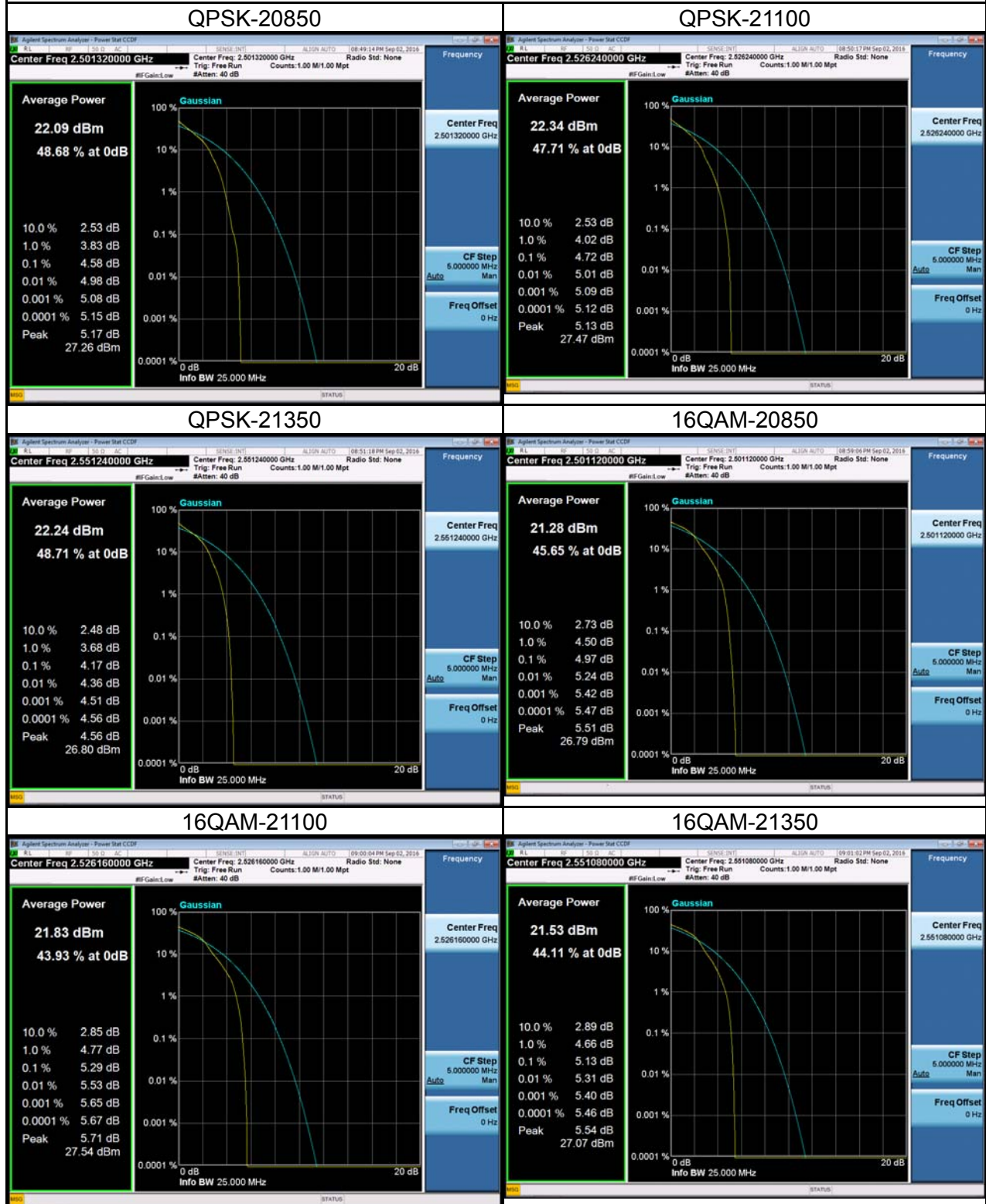
LTE Band 7 Spectrum Plot_10M



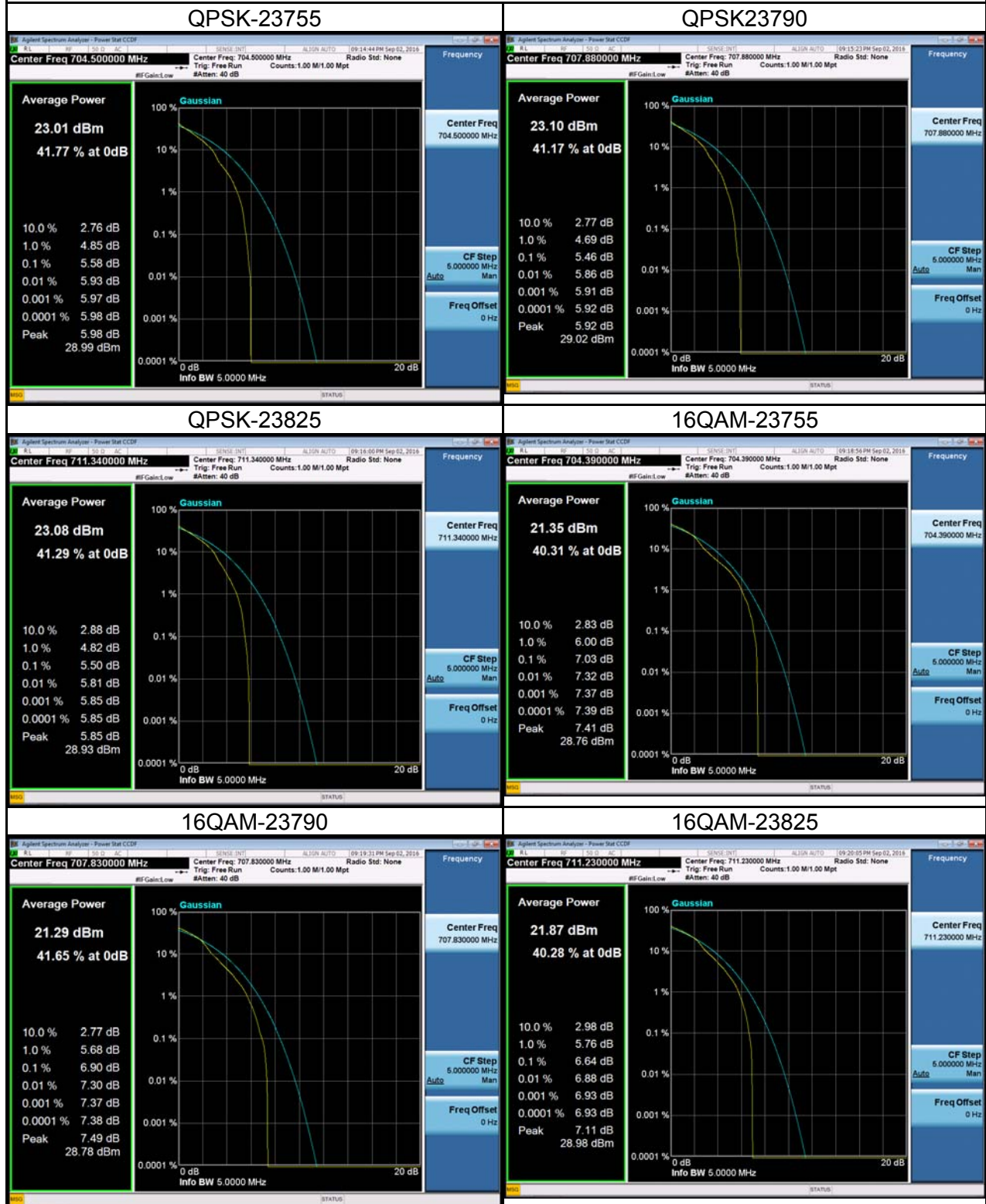
LTE Band 7 Spectrum Plot_15M



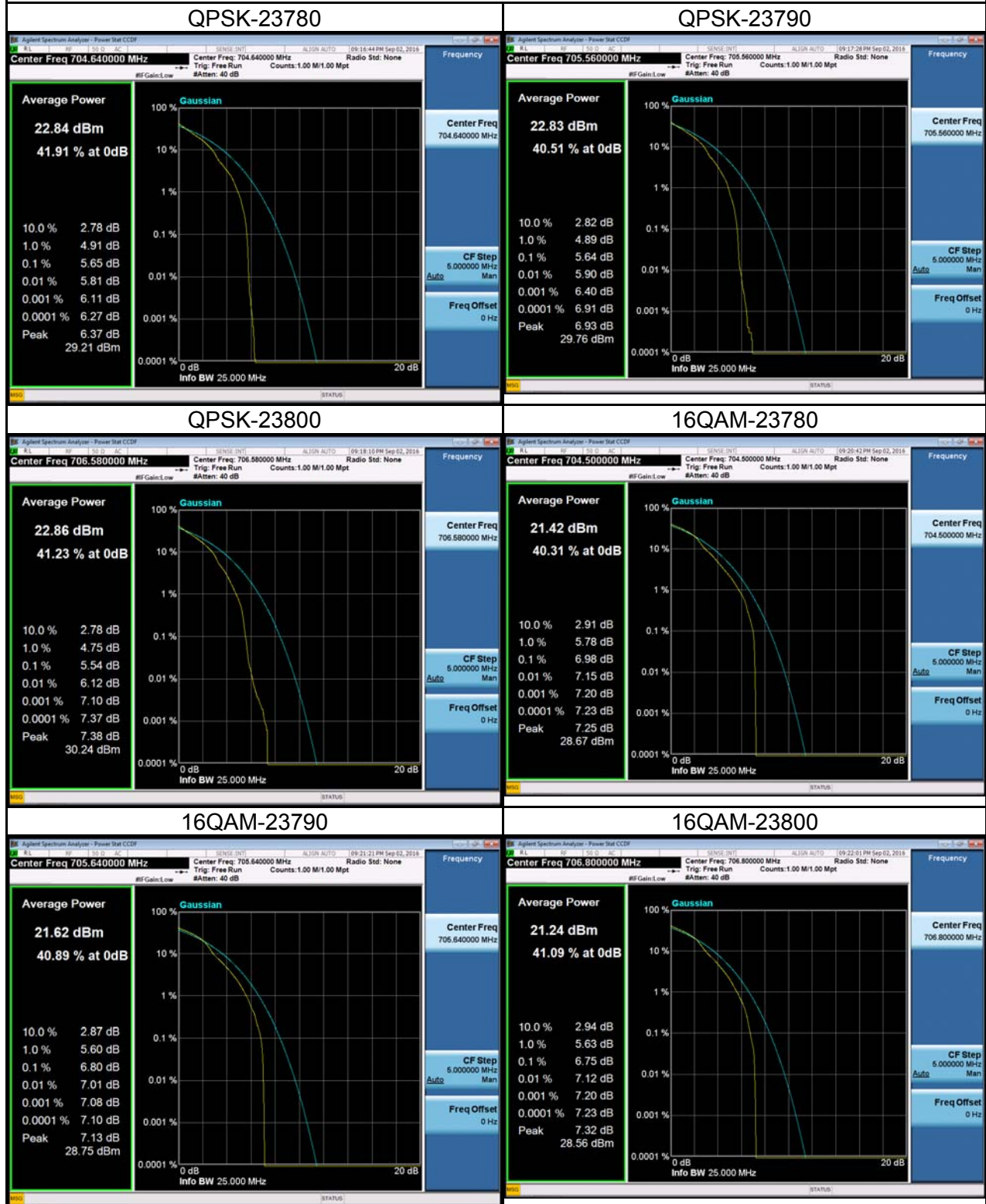
LTE Band 7 Spectrum Plot_20M



LTE Band 17 Spectrum Plot_5M



LTE Band 17 Spectrum Plot_10M



ATTACHMENT G - FREQUENCY STABILITY

Test Mode:	WCDMA Band 4_CH1413
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	5.34	0.003075683	2.5
5	4.26	0.002453634	2.5
10	4.22	0.002430596	2.5
15	3.16	0.001820067	2.5
20	2.33	0.001342011	2.5
25	1.58	0.000910033	2.5
30	3.16	0.001820067	2.5
35	5.26	0.003029605	2.5
Max. Deviation (ppm)	5.34	0.003075683	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	6.33	0.003645893	2.5
3.5	4.16	0.002396037	2.5
4.35	5.39	0.003104481	2.5
Max. Deviation (ppm)	6.33	0.003645893	2.5

Test Mode:	LTE Band 4_CH20175_1.4M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	5.62	0.003243867	2.5
5	2.97	0.001714286	2.5
10	4.62	0.002666667	2.5
15	5.33	0.003076479	2.5
20	1.96	0.001131313	2.5
25	4.36	0.002516595	2.5
30	3.94	0.00227417	2.5
35	4.33	0.002499278	2.5
Max. Deviation (ppm)	5.62	0.003243867	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	2.55	0.001471861	2.5
3.5	4.16	0.002401154	2.5
4.35	5.64	0.003255411	2.5
Max. Deviation (ppm)	5.64	0.003255411	2.5

Test Mode:	LTE Band 4_CH20175_3M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	1.84	0.001062049	2.5
5	2.28	0.001316017	2.5
10	-6.15	0.003549784	2.5
15	2.93	0.001691198	2.5
20	-1.66	0.000958153	2.5
25	2.99	0.00172583	2.5
30	3.60	0.002077922	2.5
35	5.76	0.003324675	2.5
Max. Deviation (ppm)	6.15	0.003549784	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.20	0.001847042	2.5
3.5	-2.56	0.001477633	2.5
4.35	3.66	0.002112554	2.5
Max. Deviation (ppm)	3.66	0.002112554	2.5

Test Mode:	LTE Band 4_CH20175_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	2.23	0.001287157	2.5
5	5.48	0.003163059	2.5
10	4.10	0.002366522	2.5
15	-2.24	0.001292929	2.5
20	3.12	0.001800866	2.5
25	-1.66	0.000958153	2.5
30	2.88	0.001662338	2.5
35	2.36	0.001362193	2.5
Max. Deviation (ppm)	5.48	0.003163059	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	6.73	0.00388456	2.5
3.5	-1.64	0.000946609	2.5
4.35	4.09	0.00236075	2.5
Max. Deviation (ppm)	6.73	0.00388456	2.5

Test Mode:	LTE Band 4_CH20175_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	3.44	0.00198557	2.5
5	-2.56	0.001477633	2.5
10	5.97	0.003445887	2.5
15	2.67	0.001541126	2.5
20	1.88	0.001085137	2.5
25	-2.54	0.001466089	2.5
30	4.16	0.002401154	2.5
35	5.77	0.003330447	2.5
Max. Deviation (ppm)	5.97	0.003445887	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	2.56	0.001477633	2.5
3.5	3.14	0.00181241	2.5
4.35	2.09	0.001206349	2.5
Max. Deviation (ppm)	3.14	0.00181241	2.5

Test Mode:	LTE Band 4_CH20175_15M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	2.38	0.001373737	2.5
5	3.66	0.002112554	2.5
10	-1.97	0.001137085	2.5
15	2.55	0.001471861	2.5
20	-1.44	0.000831169	2.5
25	3.56	0.002054834	2.5
30	-2.84	0.00163925	2.5
35	4.19	0.00241847	2.5
Max. Deviation (ppm)	4.19	0.00241847	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	-2.53	0.001460317	2.5
3.5	1.94	0.001119769	2.5
4.35	6.73	0.00388456	2.5
Max. Deviation (ppm)	6.73	0.00388456	2.5

Test Mode:	LTE Band 4_CH20175_20M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	2.19	0.001264069	2.5
5	2.66	0.001535354	2.5
10	5.46	0.003151515	2.5
15	2.25	0.001298701	2.5
20	1.99	0.001148629	2.5
25	4.41	0.002545455	2.5
30	2.08	0.001200577	2.5
35	9.67	0.00558153	2.5
Max. Deviation (ppm)	9.67	0.00558153	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.33	0.003076479	2.5
3.5	3.46	0.001997114	2.5
4.35	4.32	0.002493506	2.5
Max. Deviation (ppm)	5.33	0.003076479	2.5

Test Mode:	LTE Band 7_CH21100_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	-4.22	0.001664694	2.5
5	3.94	0.001554241	2.5
10	5.74	0.0022643	2.5
15	4.33	0.001708087	2.5
20	2.30	0.000907298	2.5
25	-4.66	0.001838264	2.5
30	4.92	0.001940828	2.5
35	3.75	0.00147929	2.5
Max. Deviation (ppm)	5.74	0.0022643	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.46	0.002153846	2.5
3.5	-4.66	0.001838264	2.5
4.35	3.77	0.001487179	2.5
Max. Deviation (ppm)	5.46	0.002153846	2.5

Test Mode:	LTE Band 7_CH21100_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	5.62	0.002216963	2.5
5	-6.21	0.002449704	2.5
10	-4.36	0.001719921	2.5
15	-2.97	0.001171598	2.5
20	3.33	0.001313609	2.5
25	2.97	0.001171598	2.5
30	3.19	0.001258383	2.5
35	-5.76	0.002272189	2.5
Max. Deviation (ppm)	5.62	0.002449704	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.66	0.002232742	2.5
3.5	-4.43	0.001747535	2.5
4.35	3.47	0.001368836	2.5
Max. Deviation (ppm)	5.66	0.002232742	2.5

Test Mode:	LTE Band 7_CH21100_15M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	6.47	0.002552268	2.5
5	-5.46	0.002153846	2.5
10	2.99	0.001179487	2.5
15	1.79	0.000706114	2.5
20	2.16	0.000852071	2.5
25	5.46	0.002153846	2.5
30	-3.79	0.001495069	2.5
35	5.55	0.002189349	2.5
Max. Deviation (ppm)	6.47	0.002552268	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.47	0.001368836	2.5
3.5	2.08	0.000820513	2.5
4.35	2.16	0.000852071	2.5
Max. Deviation (ppm)	3.47	0.001368836	2.5

Test Mode:	LTE Band 7_CH21100_20M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	1.54	0.000607495	2.5
5	-3.67	0.001447732	2.5
10	-4.58	0.001806706	2.5
15	0.66	0.000260355	2.5
20	-2.53	0.000998028	2.5
25	1.42	0.000560158	2.5
30	-4.35	0.001715976	2.5
35	-1.93	0.000761341	2.5
Max. Deviation (ppm)	4.58	0.001806706	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	0.93	0.000366864	2.5
3.5	-3.67	0.001447732	2.5
4.35	-4.84	0.00190927	2.5
Max. Deviation (ppm)	4.84	0.00190927	2.5

Test Mode:	LTE Band 17_CH23790_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	5.29	0.007450704	2.5
5	3.67	0.005169014	2.5
10	-4.33	0.006098592	2.5
15	2.97	0.004183099	2.5
20	4.63	0.006521127	2.5
25	2.46	0.003464789	2.5
30	5.31	0.007478873	2.5
35	-4.95	0.006971831	2.5
Max. Deviation (ppm)	5.29	0.007478873	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.97	0.005591549	2.5
3.5	2.64	0.00371831	2.5
4.35	-8.55	0.012042254	2.5
Max. Deviation (ppm)	8.55	0.012042254	2.5

Test Mode:	LTE Band 17_CH23790_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	5.36	0.007549296	2.5
5	-4.72	0.006647887	2.5
10	2.68	0.003774648	2.5
15	-3.73	0.005253521	2.5
20	2.94	0.004140845	2.5
25	6.34	0.008929577	2.5
30	-2.98	0.004197183	2.5
35	5.61	0.007901408	2.5
Max. Deviation (ppm)	6.34	0.008929577	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.69	0.008014085	2.5
3.5	4.39	0.006183099	2.5
4.35	-4.33	0.006098592	2.5
Max. Deviation (ppm)	5.69	0.008014085	2.5