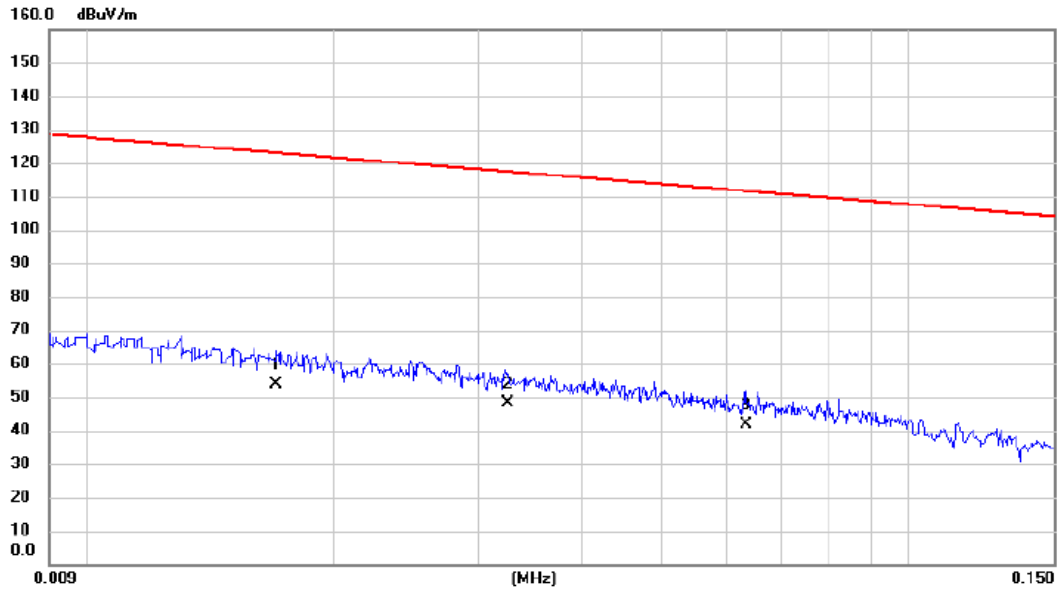


Test Mode: TX Mode\_Adapter AMS135-1201000FU

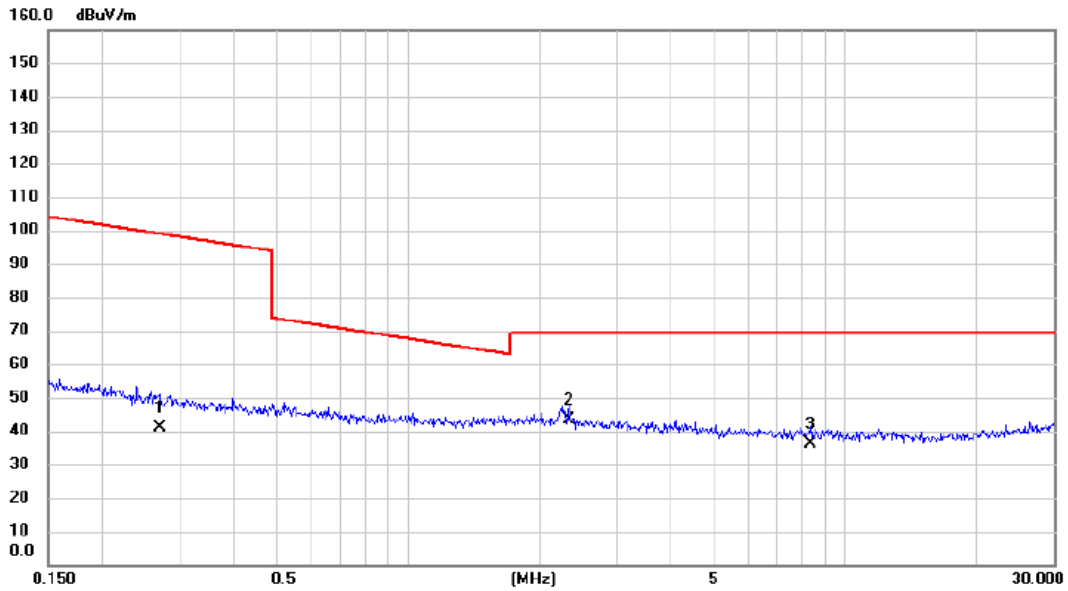
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0170	33.20	20.44	53.64	123.00	-69.36	AVG	
2	*	0.0325	28.50	19.82	48.32	117.37	-69.05	AVG	
3		0.0634	22.50	19.26	41.76	111.56	-69.80	AVG	

Test Mode: TX Mode\_Adapter AMS135-1201000FU

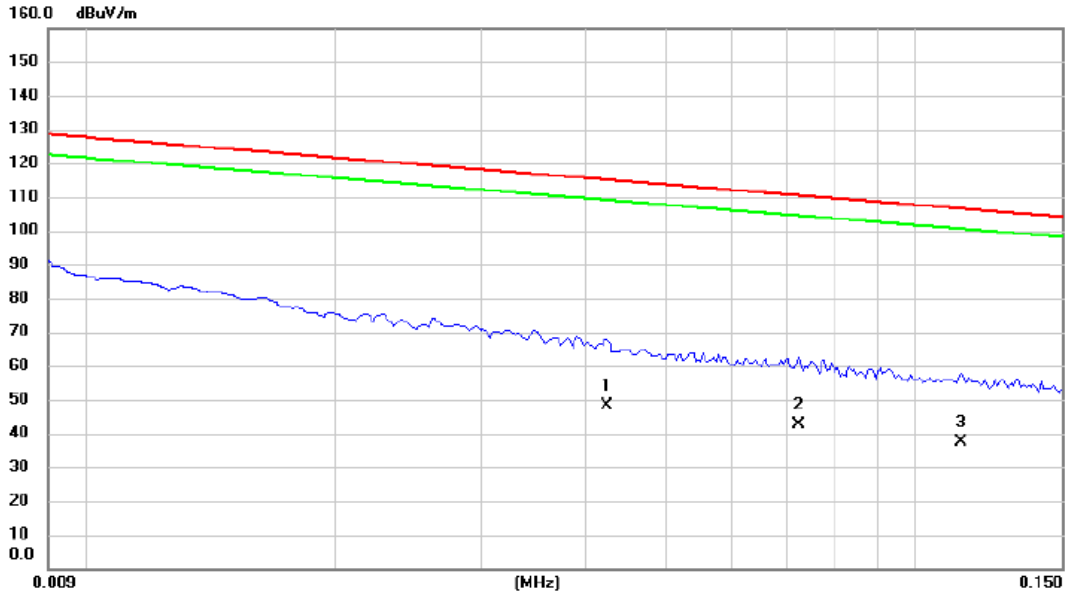
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2701	23.80	17.05	40.85	98.97	-58.12	AVG	
2	*	2.3336	26.50	16.92	43.42	69.54	-26.12	QP	
3		8.3228	21.70	14.61	36.31	69.54	-33.23	QP	

Test Mode: TX Mode\_Adapter AD120A120100UV

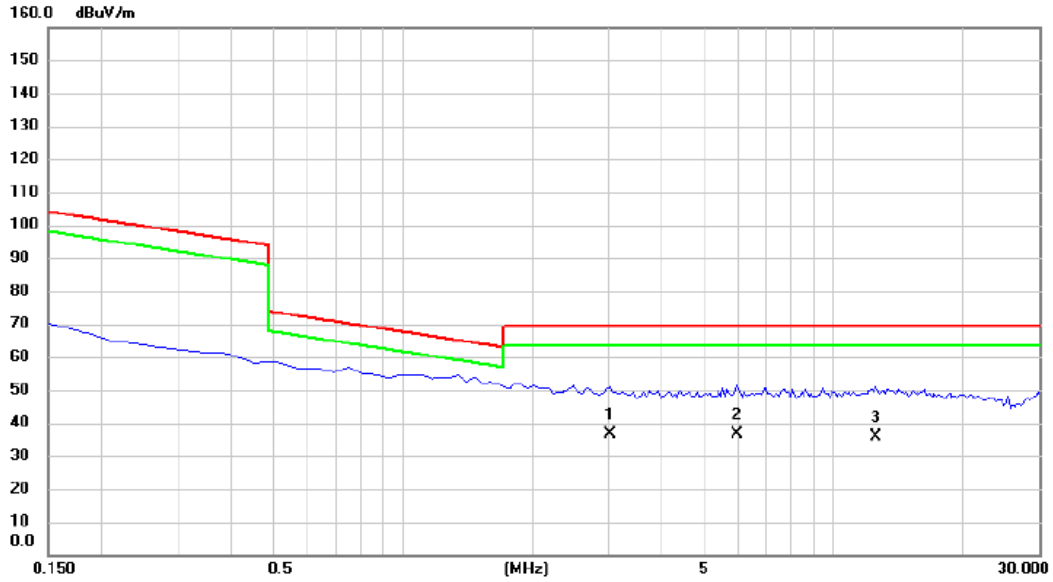
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	0.0425	-17.91	66.08	48.17	115.04	-66.87	AVG	
2		0.0723	-18.42	61.02	42.60	110.42	-67.82	AVG	
3		0.1135	-19.97	57.20	37.23	106.51	-69.28	AVG	

Test Mode: TX Mode\_Adapter AD120A120100UV

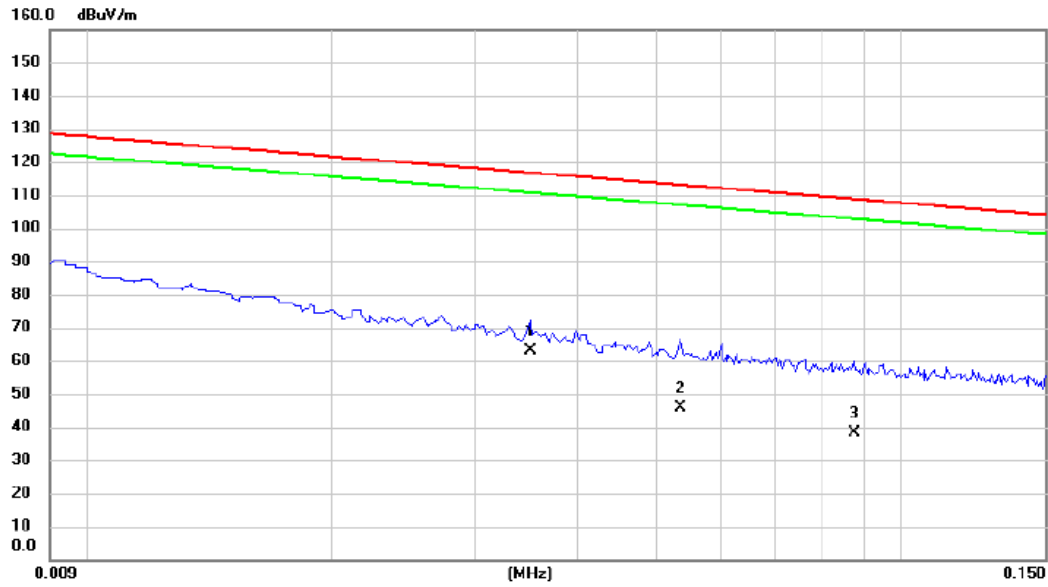
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3.0213	-1.45	38.00	36.55	69.54	-32.99	QP	
2	*	5.9525	-1.08	37.80	36.72	69.54	-32.82	QP	
3		12.5327	-1.96	37.92	35.96	69.54	-33.58	QP	

Test Mode: TX Mode\_Adapter AD120A120100UV

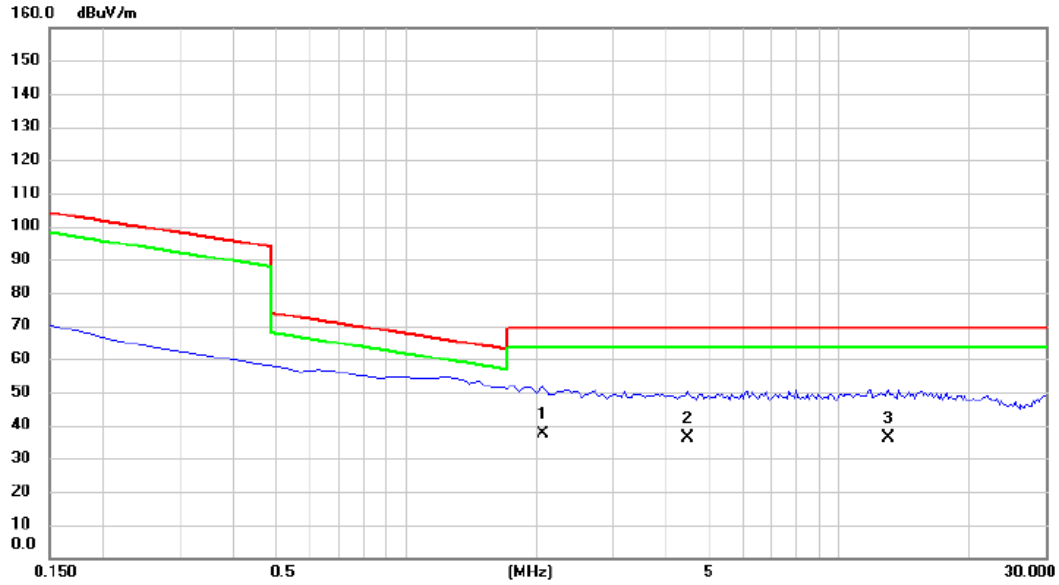
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	0.0350	-5.19	68.20	63.01	116.72	-53.71	AVG	
2		0.0536	-18.05	63.70	45.65	113.02	-67.37	AVG	
3		0.0875	-21.17	59.43	38.26	108.76	-70.50	AVG	

Test Mode: TX Mode\_Adapter AD120A120100UV

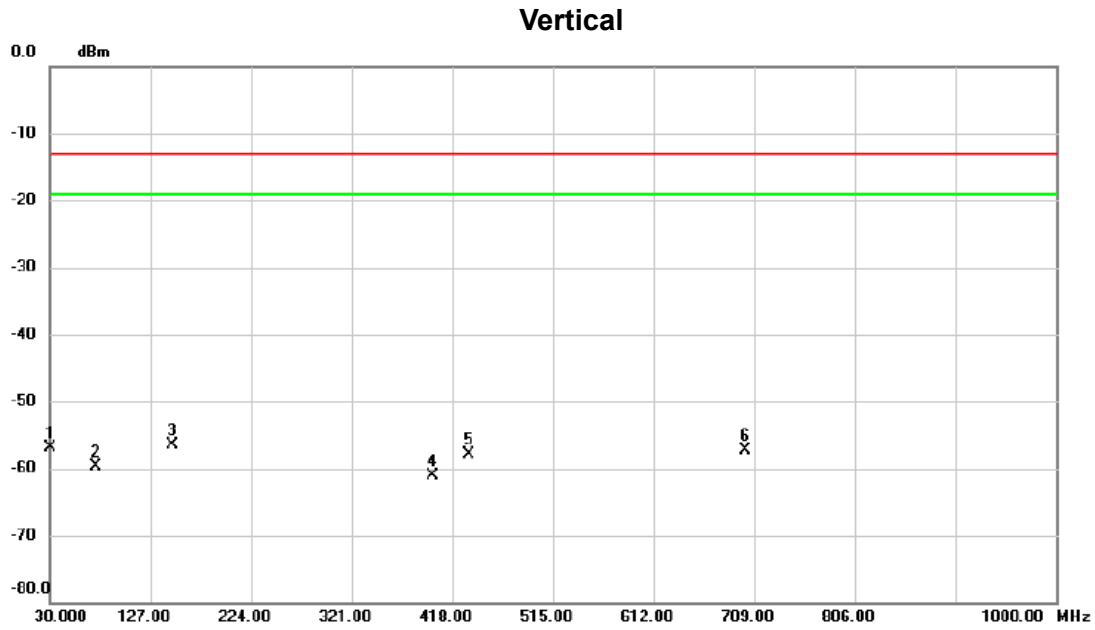
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2.0641	-1.48	38.75	37.27	69.54	-32.27	QP	
2		4.4570	-1.43	37.81	36.38	69.54	-33.16	QP	
3		12.9514	-1.96	37.97	36.01	69.54	-33.53	QP	

## APPENDIX E - RADIATED EMISSION (30MHZ TO 1GHZ)

Test Mode: LTE Band 2\_TX CH18900\_1.4M\_Adapter AMS135-1201000FU

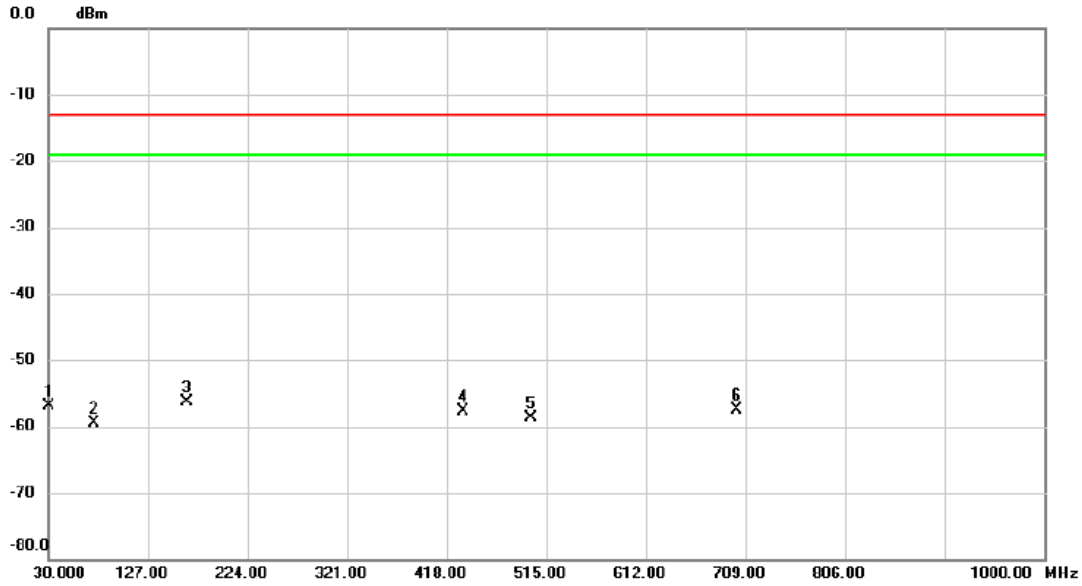


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		30.0000	-48.78	-8.08	-56.86	-13.00	-43.86	peak	
2		74.6200	-48.88	-10.79	-59.67	-13.00	-46.67	peak	
3	*	148.3400	-50.46	-6.09	-56.55	-13.00	-43.55	peak	
4		399.5700	-56.50	-4.57	-61.07	-13.00	-48.07	peak	
5		433.5200	-54.50	-3.33	-57.83	-13.00	-44.83	peak	
6		700.2700	-57.61	0.36	-57.25	-13.00	-44.25	peak	



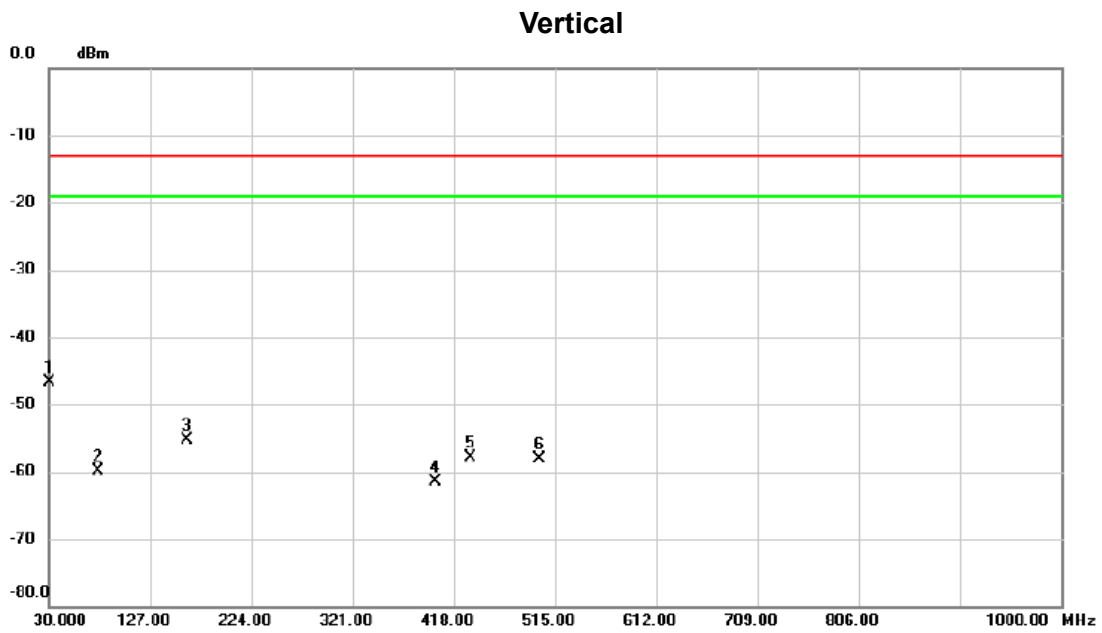
Test Mode: LTE Band 2\_TX CH18900\_1.4M\_Adapter AMS135-1201000FU

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		30.0000	-48.74	-8.08	-56.82	-13.00	-43.82	peak	
2		74.6200	-48.70	-10.79	-59.49	-13.00	-46.49	peak	
3	*	164.8300	-49.89	-6.49	-56.38	-13.00	-43.38	peak	
4		433.5200	-54.44	-3.33	-57.77	-13.00	-44.77	peak	
5		500.4500	-56.60	-2.12	-58.72	-13.00	-45.72	peak	
6		700.2700	-57.78	0.36	-57.42	-13.00	-44.42	peak	

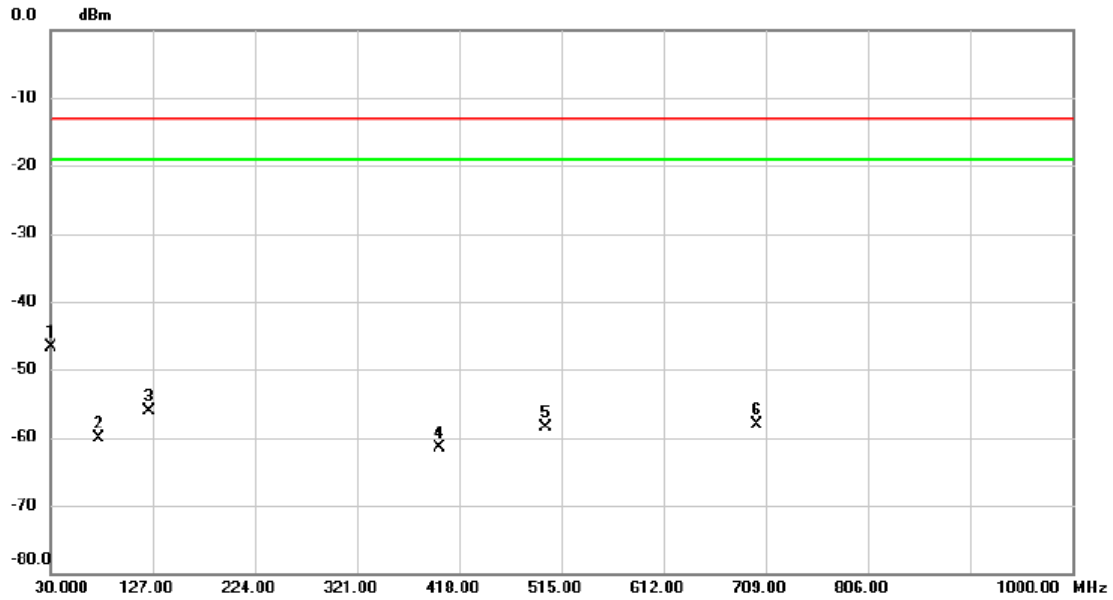
Test Mode: LTE Band 2\_TX CH18900\_5M\_Adapter AMS135-1201000FU



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	30.0000	-38.66	-8.08	-46.74	-13.00	-33.74	peak	
2		76.5600	-48.86	-11.02	-59.88	-13.00	-46.88	peak	
3		162.8900	-48.92	-6.39	-55.31	-13.00	-42.31	peak	
4		400.5400	-56.96	-4.55	-61.51	-13.00	-48.51	peak	
5		433.5200	-54.57	-3.33	-57.90	-13.00	-44.90	peak	
6		500.4500	-55.93	-2.12	-58.05	-13.00	-45.05	peak	

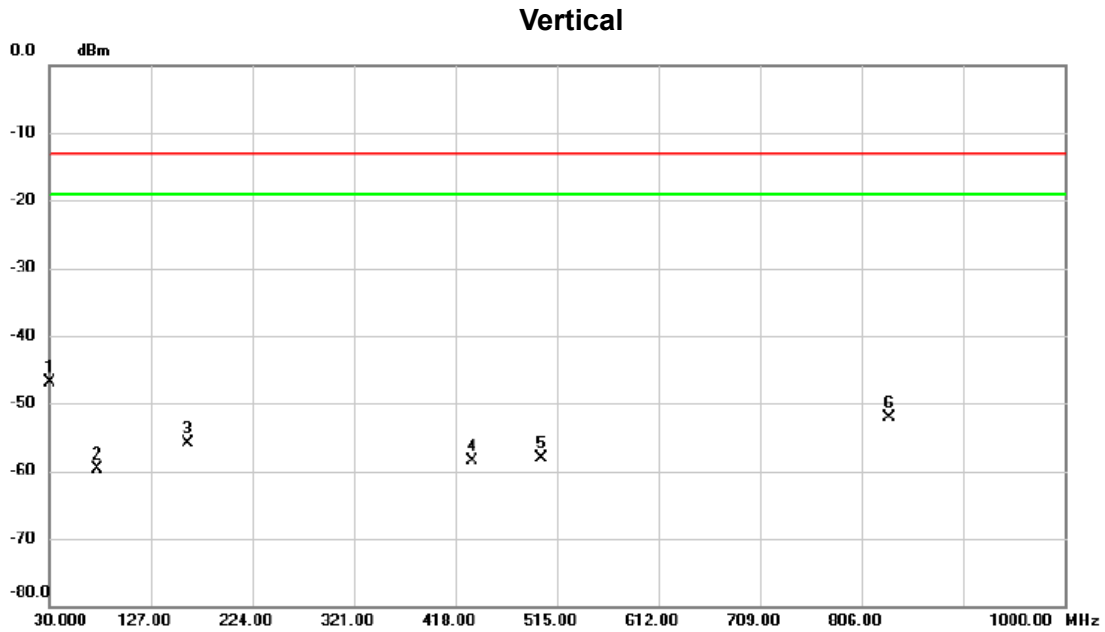
Test Mode: LTE Band 2\_ TX CH18900\_5M\_Adapter AMS135-1201000FU

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	30.0000	-38.71	-8.08	-46.79	-13.00	-33.79	peak	
2		75.5900	-49.21	-10.91	-60.12	-13.00	-47.12	peak	
3		124.0900	-48.16	-7.88	-56.04	-13.00	-43.04	peak	
4		399.5700	-56.88	-4.57	-61.45	-13.00	-48.45	peak	
5		499.4800	-56.30	-2.14	-58.44	-13.00	-45.44	peak	
6		700.2700	-58.36	0.36	-58.00	-13.00	-45.00	peak	

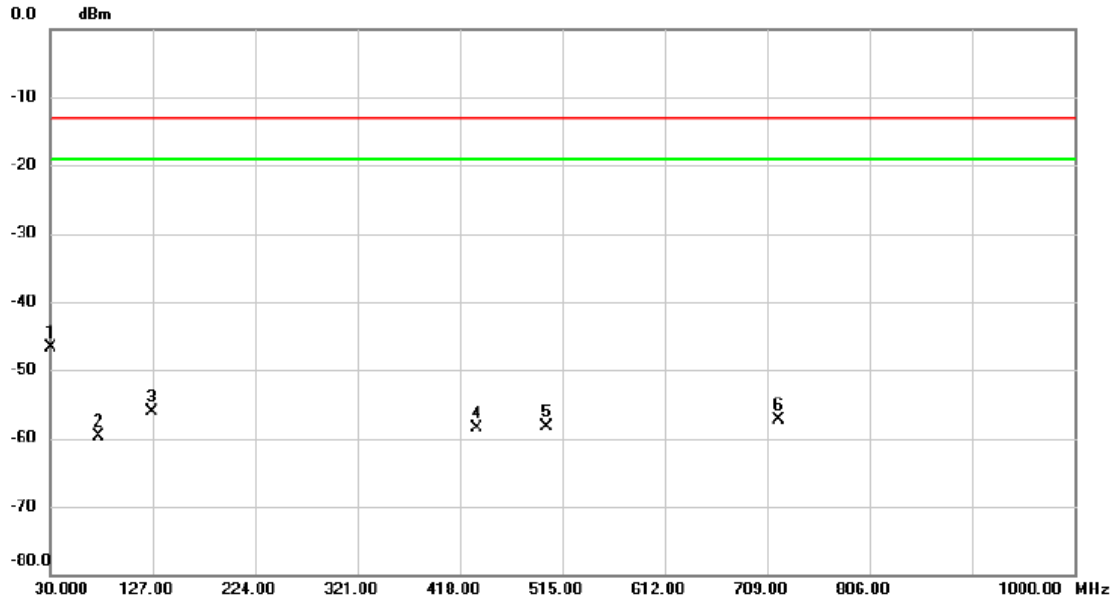
Test Mode: LTE Band 2\_TX CH18900\_20M\_Adapter AMS135-1201000FU



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	30.0000	-38.79	-8.08	-46.87	-13.00	-33.87	peak	
2		75.5900	-48.84	-10.91	-59.75	-13.00	-46.75	peak	
3		162.8900	-49.45	-6.39	-55.84	-13.00	-42.84	peak	
4		433.5200	-55.13	-3.33	-58.46	-13.00	-45.46	peak	
5		499.4800	-55.91	-2.14	-58.05	-13.00	-45.05	peak	
6		832.1900	-54.56	2.53	-52.03	-13.00	-39.03	peak	

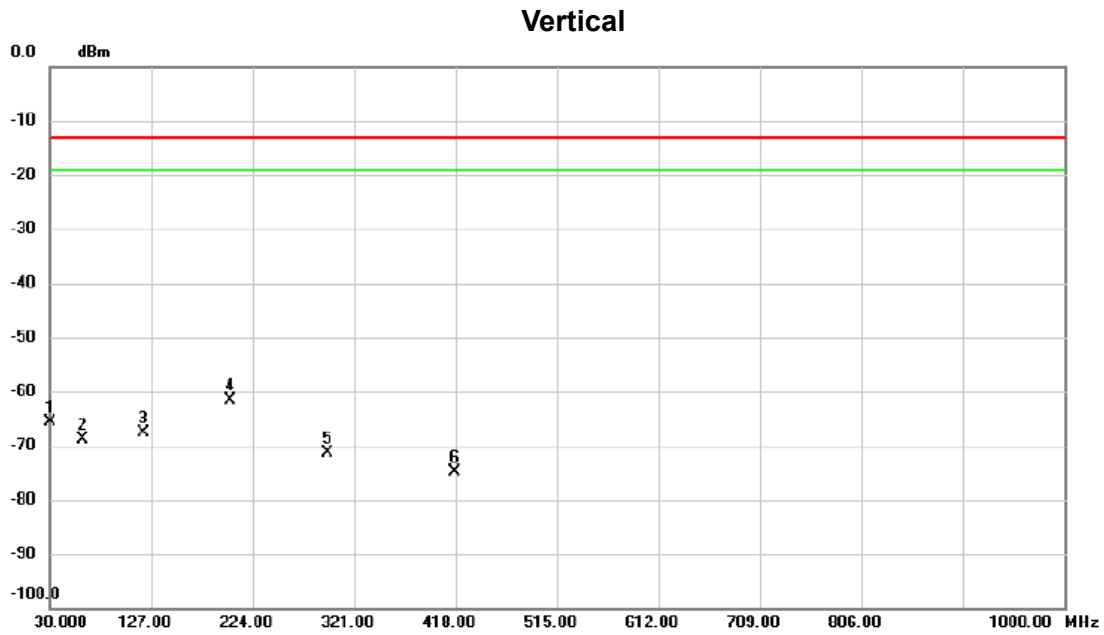
Test Mode: LTE Band 2\_TX CH18900\_20M\_Adapter AMS135-1201000FU

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	30.0000	-38.57	-8.08	-46.65	-13.00	-33.65	peak	
2		75.5900	-48.82	-10.91	-59.73	-13.00	-46.73	peak	
3		126.0300	-48.36	-7.80	-56.16	-13.00	-43.16	peak	
4		433.5200	-55.12	-3.33	-58.45	-13.00	-45.45	peak	
5		500.4500	-56.23	-2.12	-58.35	-13.00	-45.35	peak	
6		719.6700	-58.13	0.85	-57.28	-13.00	-44.28	peak	

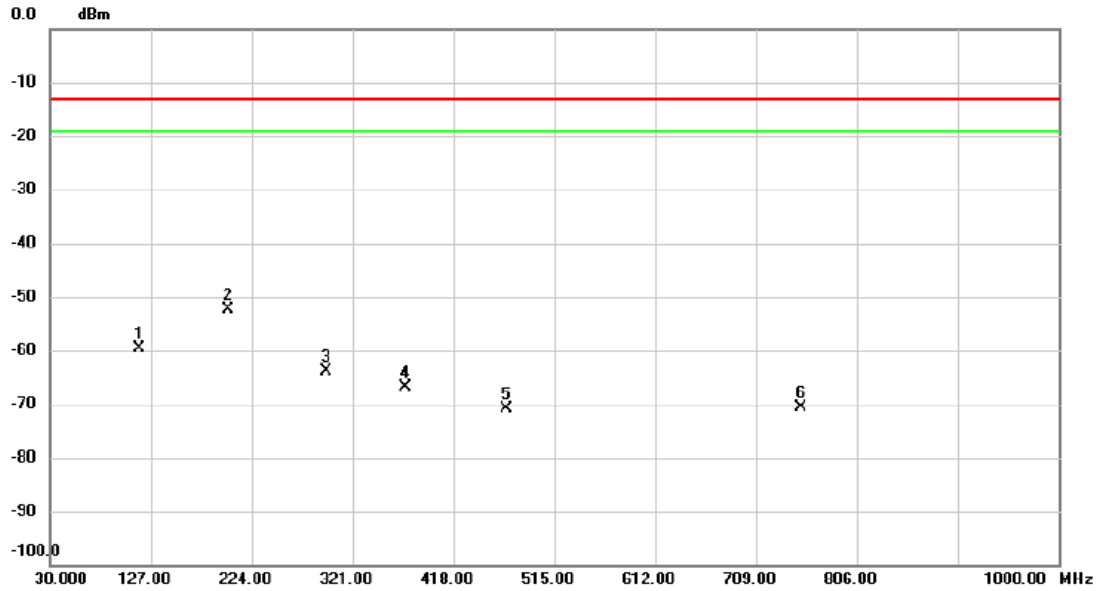
Test Mode: LTE Band 2\_TX CH18900\_1.4M\_Adapter AD120A120100UV



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		30.9700	-48.05	-17.61	-65.66	-13.00	-52.66	peak	
2		61.0400	-50.83	-18.06	-68.89	-13.00	-55.89	peak	
3		120.2100	-49.86	-17.66	-67.52	-13.00	-54.52	peak	
4	*	202.6600	-41.82	-19.76	-61.58	-13.00	-48.58	peak	
5		295.7800	-55.15	-16.24	-71.39	-13.00	-58.39	peak	
6		417.0300	-61.29	-13.49	-74.78	-13.00	-61.78	peak	

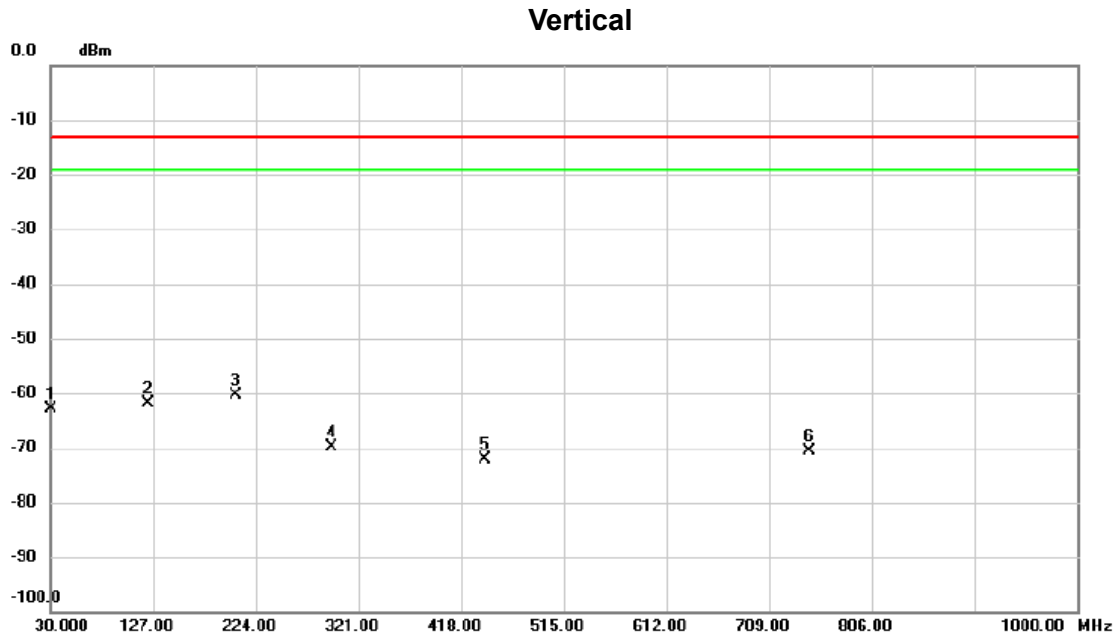
Test Mode: LTE Band 2\_TX CH18900\_1.4M\_Adapter AD120A120100UV

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		116.3300	-41.63	-18.02	-59.65	-13.00	-46.65	peak	
2	*	200.7200	-32.50	-19.83	-52.33	-13.00	-39.33	peak	
3		295.7800	-47.57	-16.24	-63.81	-13.00	-50.81	peak	
4		371.4400	-52.55	-14.36	-66.91	-13.00	-53.91	peak	
5		468.4400	-58.56	-12.33	-70.89	-13.00	-57.89	peak	
6		752.6500	-62.70	-7.97	-70.67	-13.00	-57.67	peak	

Test Mode: LTE Band 2\_TX CH18900\_5M\_Adapter AD120A120100UV

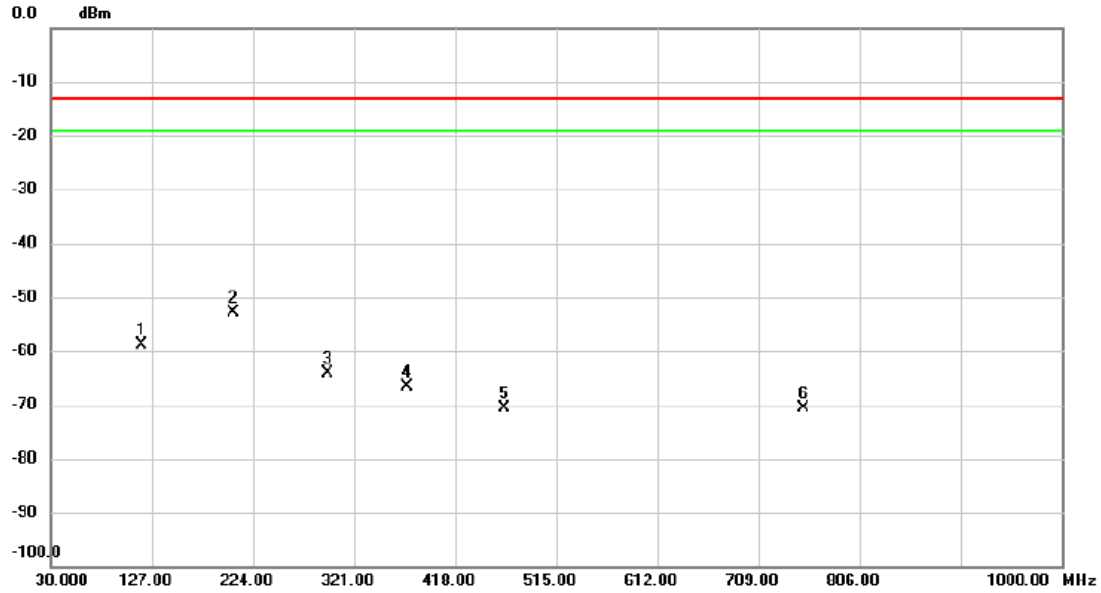


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		30.9700	-45.29	-17.61	-62.90	-13.00	-49.90	peak	
2		122.1500	-44.19	-17.57	-61.76	-13.00	-48.76	peak	
3	*	204.6000	-40.80	-19.67	-60.47	-13.00	-47.47	peak	
4		295.7800	-53.54	-16.24	-69.78	-13.00	-56.78	peak	
5		440.3100	-59.40	-12.70	-72.10	-13.00	-59.10	peak	
6		746.8300	-62.66	-8.05	-70.71	-13.00	-57.71	peak	



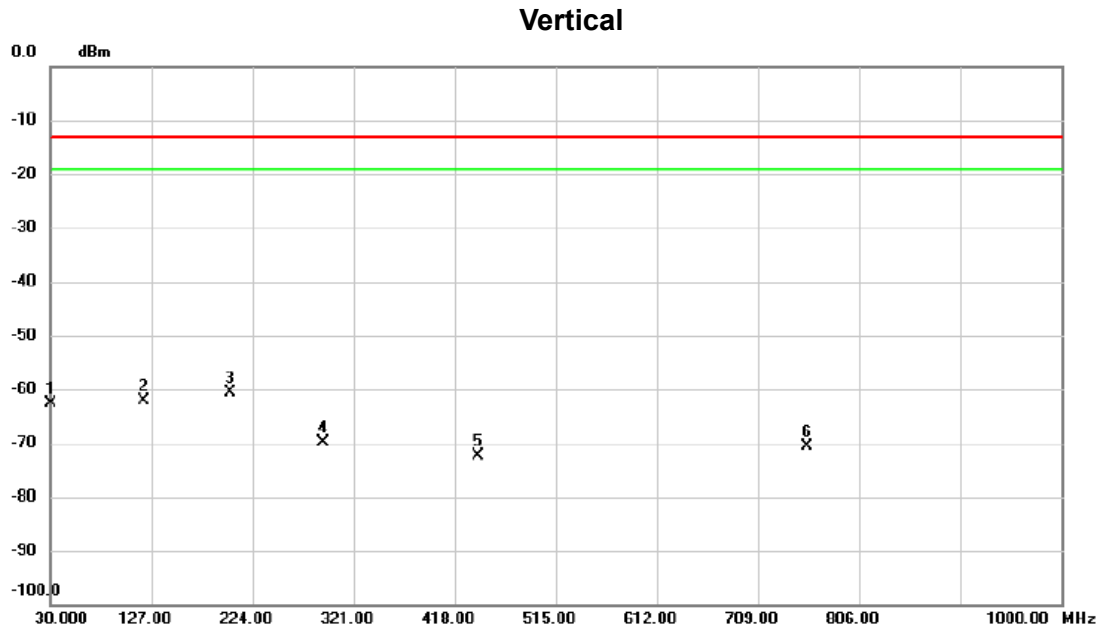
Test Mode: LTE Band 2\_TX CH18900\_5M\_Adapter AD120A120100UV

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		117.3000	-40.85	-17.91	-58.76	-13.00	-45.76	peak	
2	*	204.6000	-33.14	-19.67	-52.81	-13.00	-39.81	peak	
3		295.7800	-47.78	-16.24	-64.02	-13.00	-51.02	peak	
4		372.4100	-52.34	-14.39	-66.73	-13.00	-53.73	peak	
5		464.5600	-58.27	-12.34	-70.61	-13.00	-57.61	peak	
6		751.6800	-62.75	-7.97	-70.72	-13.00	-57.72	peak	

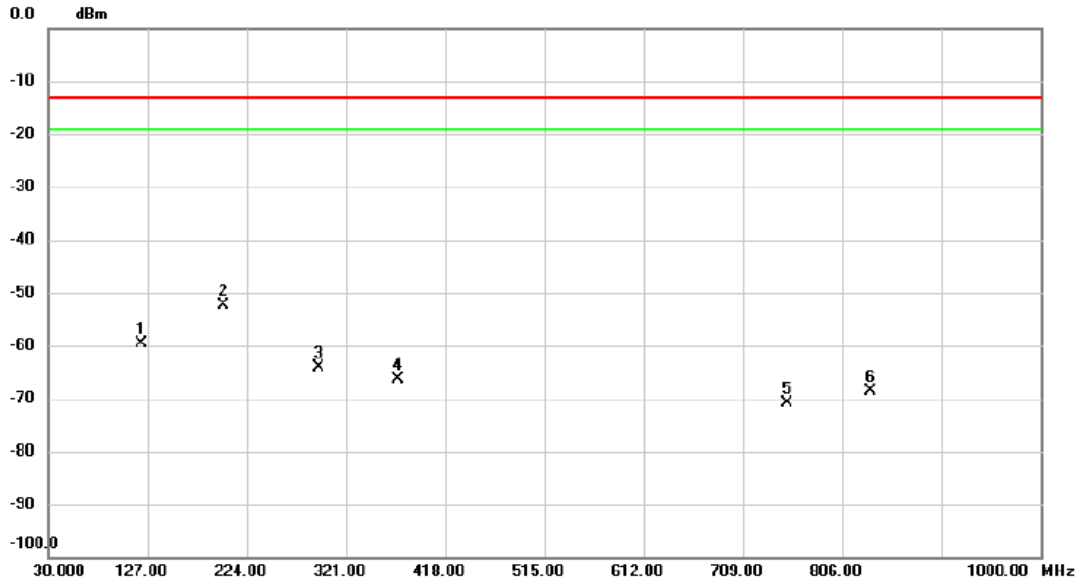
Test Mode: LTE Band 2\_TX CH18900\_20M\_Adapter AD120A120100UV



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		30.0000	-45.04	-17.67	-62.71	-13.00	-49.71	peak	
2		120.2100	-44.36	-17.66	-62.02	-13.00	-49.02	peak	
3	*	202.6600	-40.98	-19.76	-60.74	-13.00	-47.74	peak	
4		291.9000	-53.32	-16.43	-69.75	-13.00	-56.75	peak	
5		440.3100	-59.71	-12.70	-72.41	-13.00	-59.41	peak	
6		755.5600	-62.67	-7.93	-70.60	-13.00	-57.60	peak	

Test Mode: LTE Band 2\_TX CH18900\_20M\_Adapter AD120A120100UV

### Horizontal

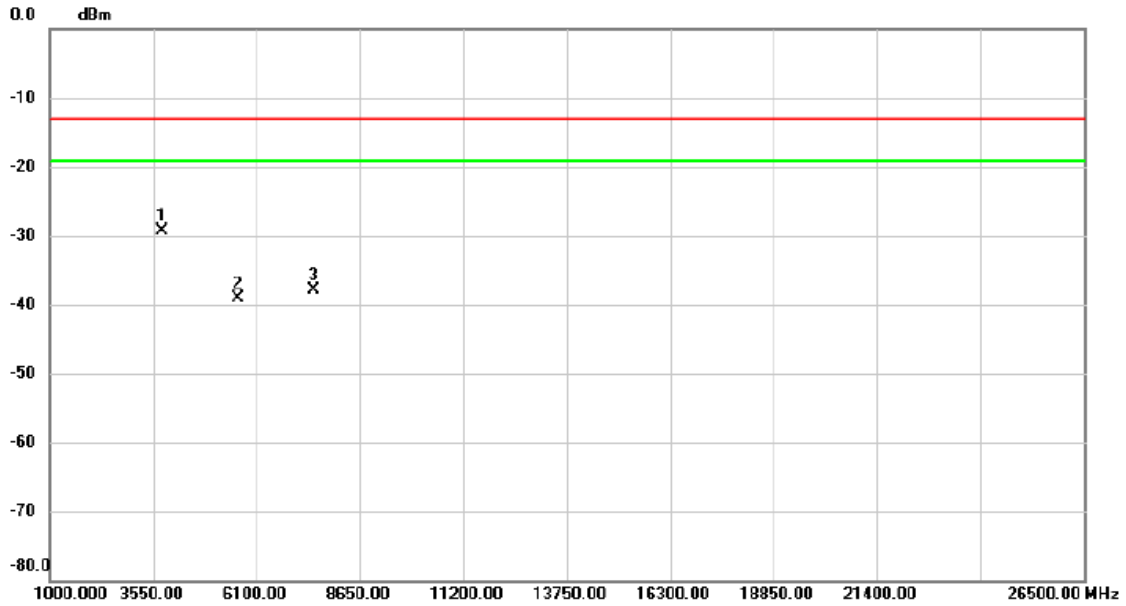


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		121.1800	-41.91	-17.61	-59.52	-13.00	-46.52	peak	
2	*	200.7200	-32.51	-19.83	-52.34	-13.00	-39.34	peak	
3		294.8100	-47.85	-16.29	-64.14	-13.00	-51.14	peak	
4		371.4400	-52.12	-14.36	-66.48	-13.00	-53.48	peak	
5		751.6800	-62.98	-7.97	-70.95	-13.00	-57.95	peak	
6		834.1300	-61.53	-7.04	-68.57	-13.00	-55.57	peak	

## APPENDIX F - RADIATED EMISSION (ABOVE 1GHZ)

Test Mode: LTE Band 2\_TX CH18900\_1.4M\_Adapter AMS135-1201000FU

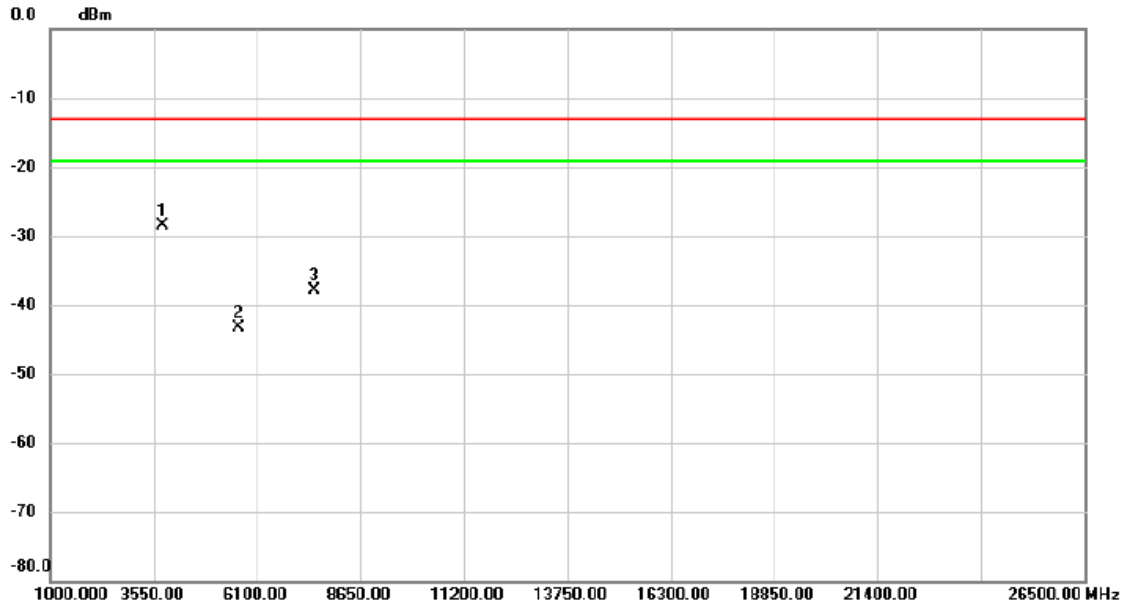
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3754.000	-27.14	-2.17	-29.31	-13.00	-16.31	peak	
2		5641.000	-42.97	3.82	-39.15	-13.00	-26.15	peak	
3		7511.000	-47.20	9.22	-37.98	-13.00	-24.98	peak	

Test Mode: LTE Band 2\_TX CH18900\_1.4M\_Adapter AMS135-1201000FU

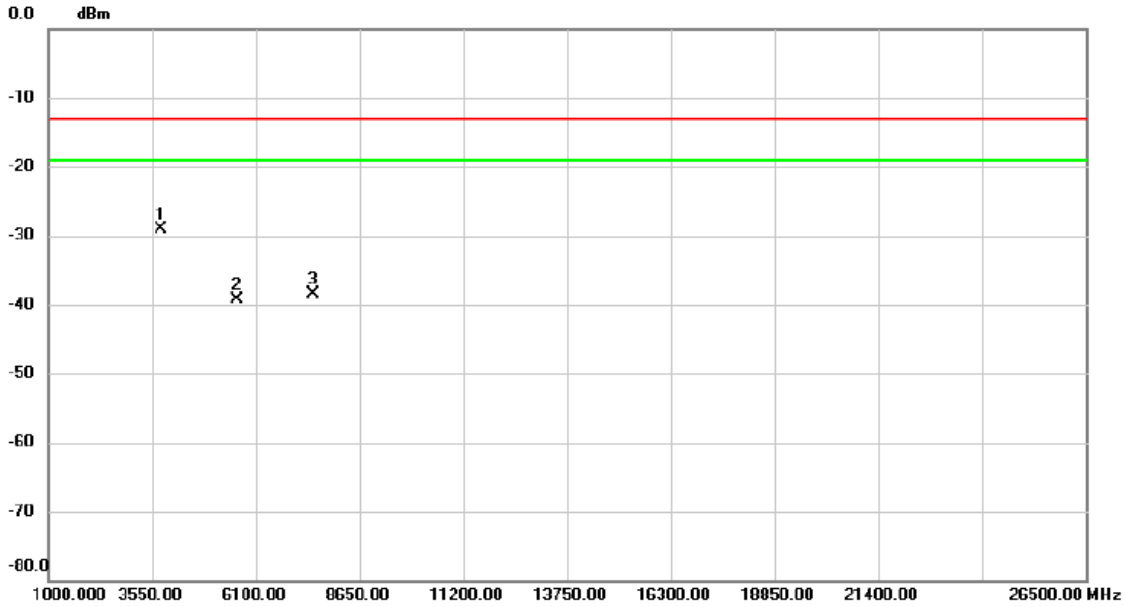
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3754.000	-26.27	-2.17	-28.44	-13.00	-15.44	peak	
2		5641.000	-47.08	3.82	-43.26	-13.00	-30.26	peak	
3		7511.000	-47.05	9.22	-37.83	-13.00	-24.83	peak	

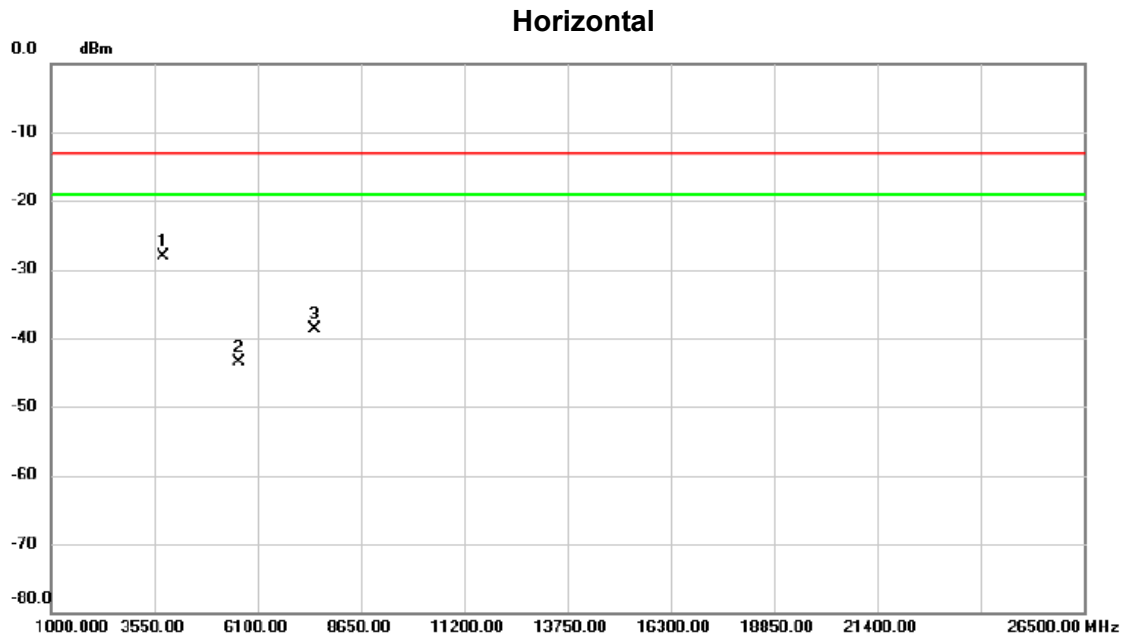
Test Mode: LTE Band 2\_TX CH18900\_5M\_Adapter AMS135-1201000FU

Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3754.000	-26.96	-2.17	-29.13	-13.00	-16.13	peak	
2		5641.000	-43.12	3.82	-39.30	-13.00	-26.30	peak	
3		7511.000	-47.63	9.22	-38.41	-13.00	-25.41	peak	

Test Mode: LTE Band 2\_TX CH18900\_5M\_Adapter AMS135-1201000FU

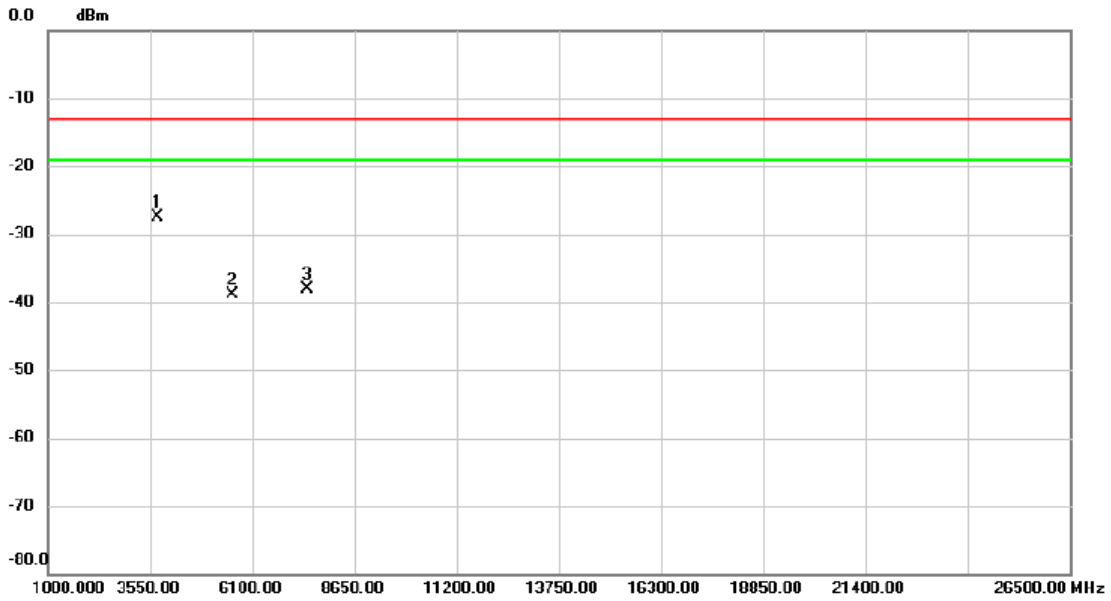


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3754.000	-25.91	-2.17	-28.08	-13.00	-15.08	peak	
2		5641.000	-47.30	3.82	-43.48	-13.00	-30.48	peak	
3		7511.000	-47.97	9.22	-38.75	-13.00	-25.75	peak	



Test Mode: LTE Band 2\_TX CH18900\_20M\_Adapter AMS135-1201000FU

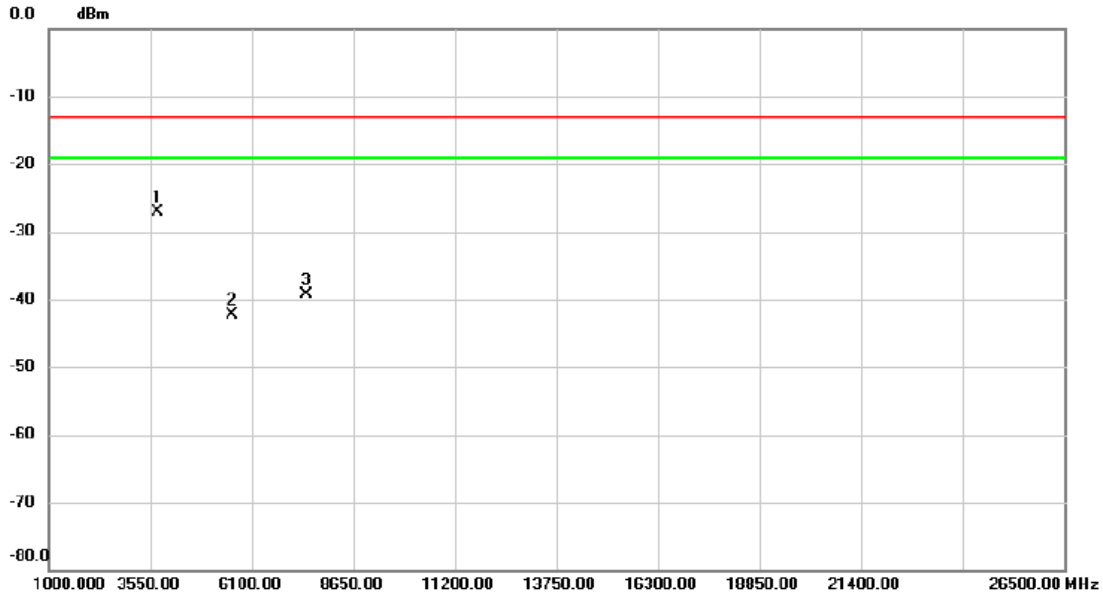
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3737.000	-25.17	-2.24	-27.41	-13.00	-14.41	peak	
2		5607.000	-42.63	3.77	-38.86	-13.00	-25.86	peak	
3		7477.000	-47.32	9.15	-38.17	-13.00	-25.17	peak	

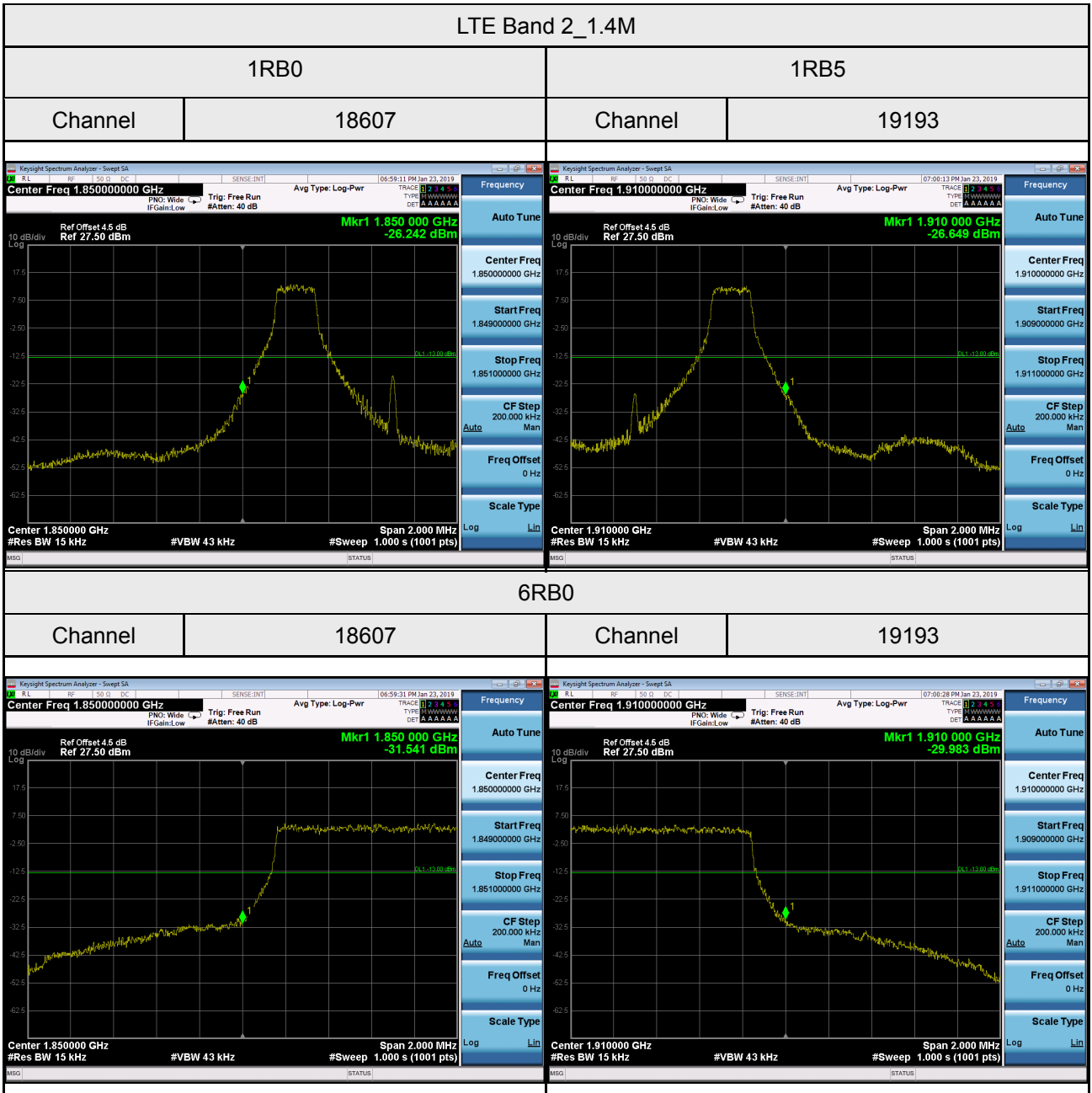
Test Mode: LTE Band 2\_TX CH18900\_20M\_Adapter AMS135-1201000FU

### Horizontal

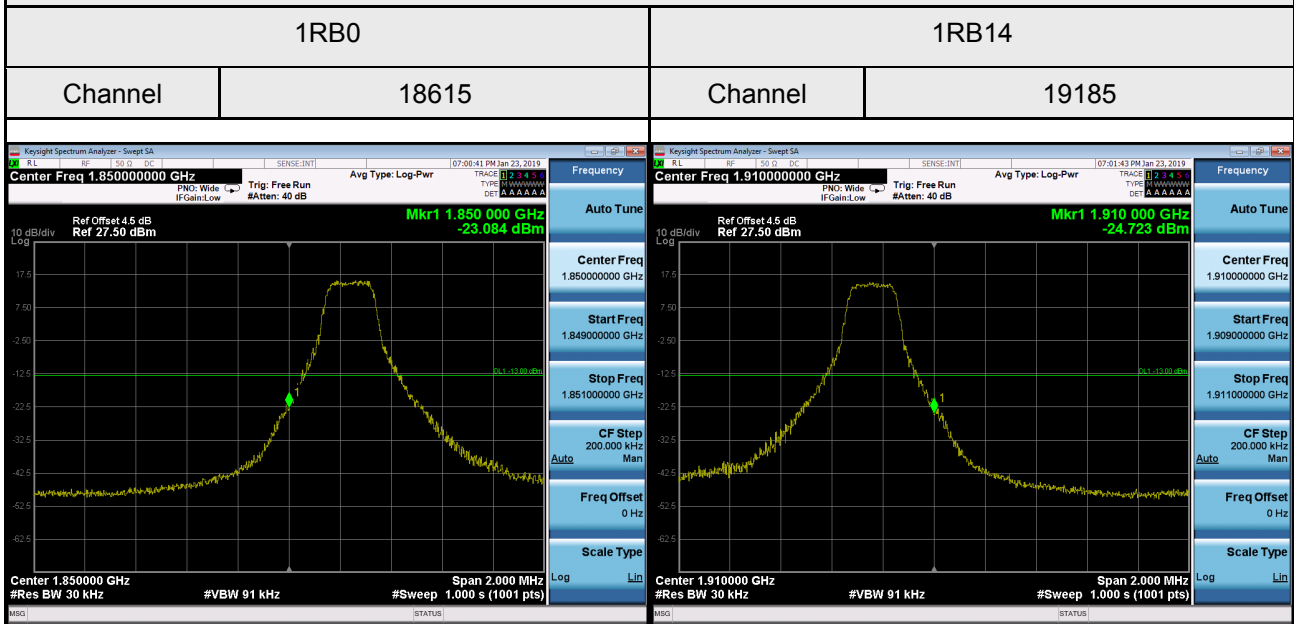


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3737.000	-24.95	-2.24	-27.19	-13.00	-14.19	peak	
2		5607.000	-46.08	3.77	-42.31	-13.00	-29.31	peak	
3		7477.000	-48.41	9.15	-39.26	-13.00	-26.26	peak	

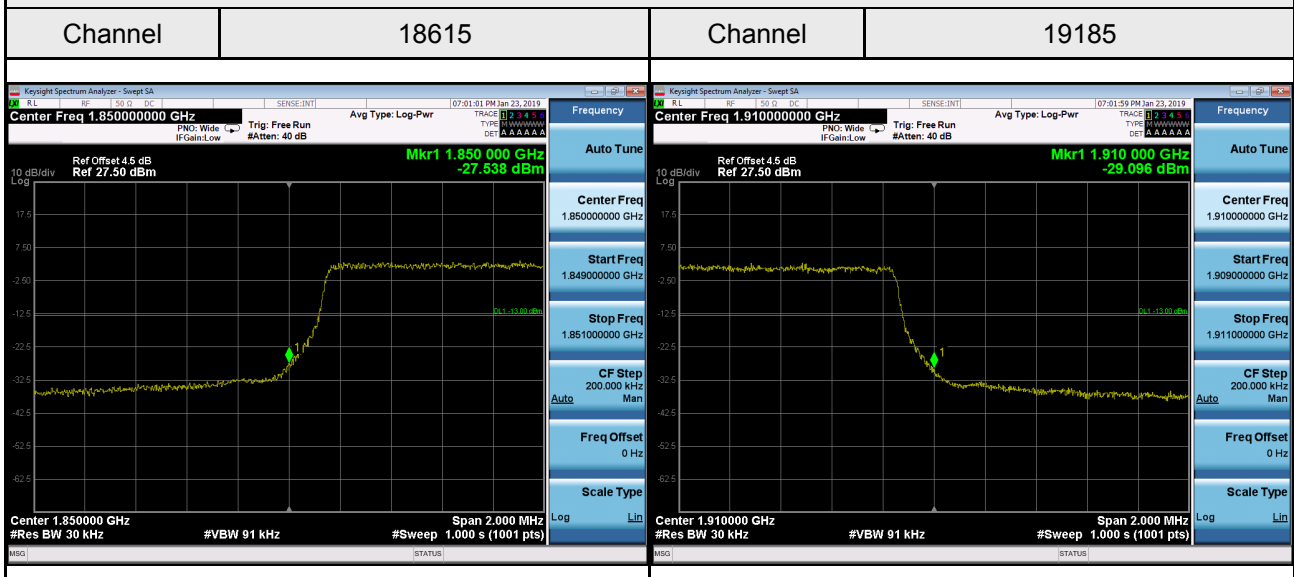
## APPENDIX G - BAND EDGE



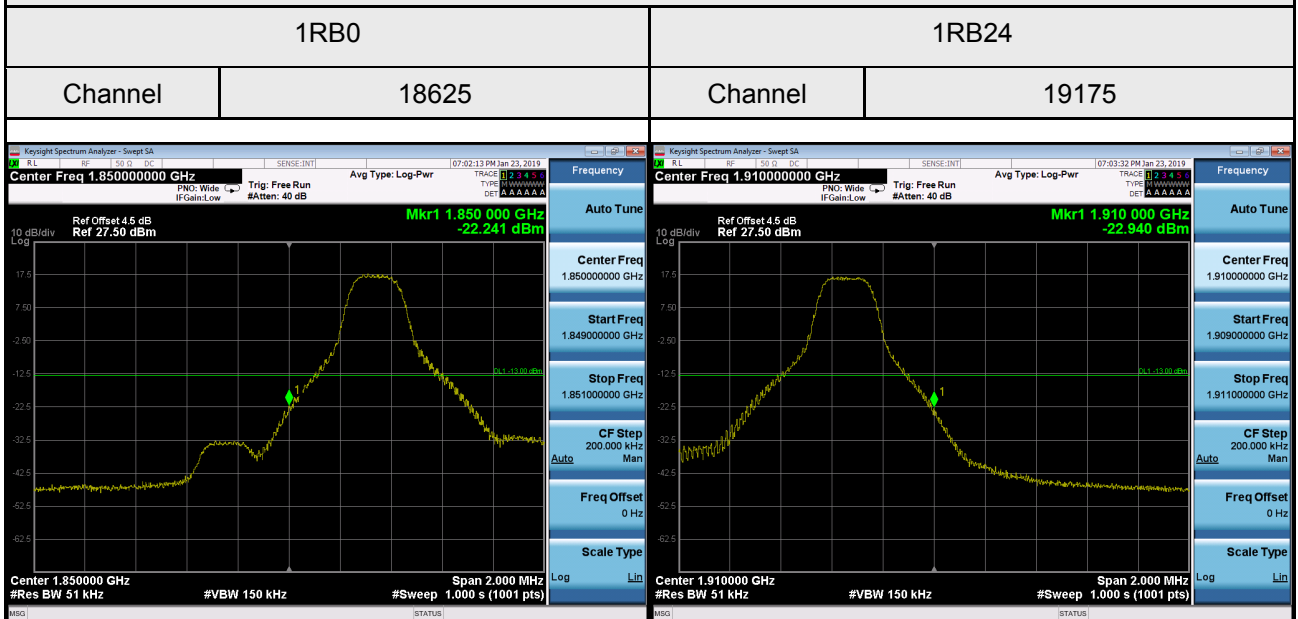
### LTE Band 2\_3M



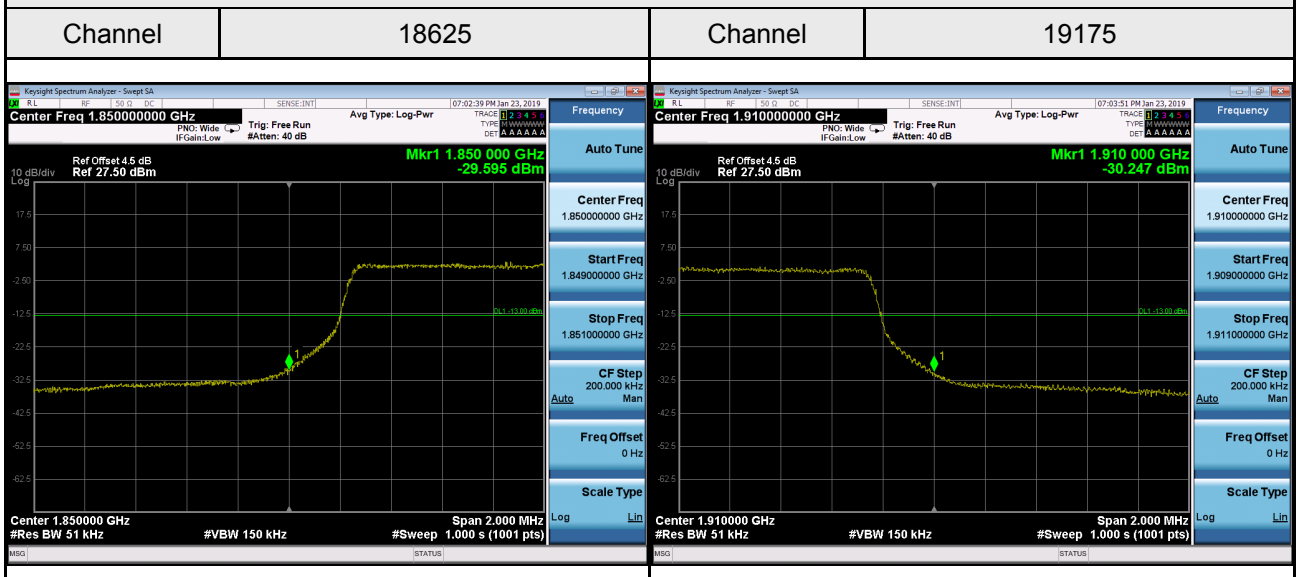
### 15RB0

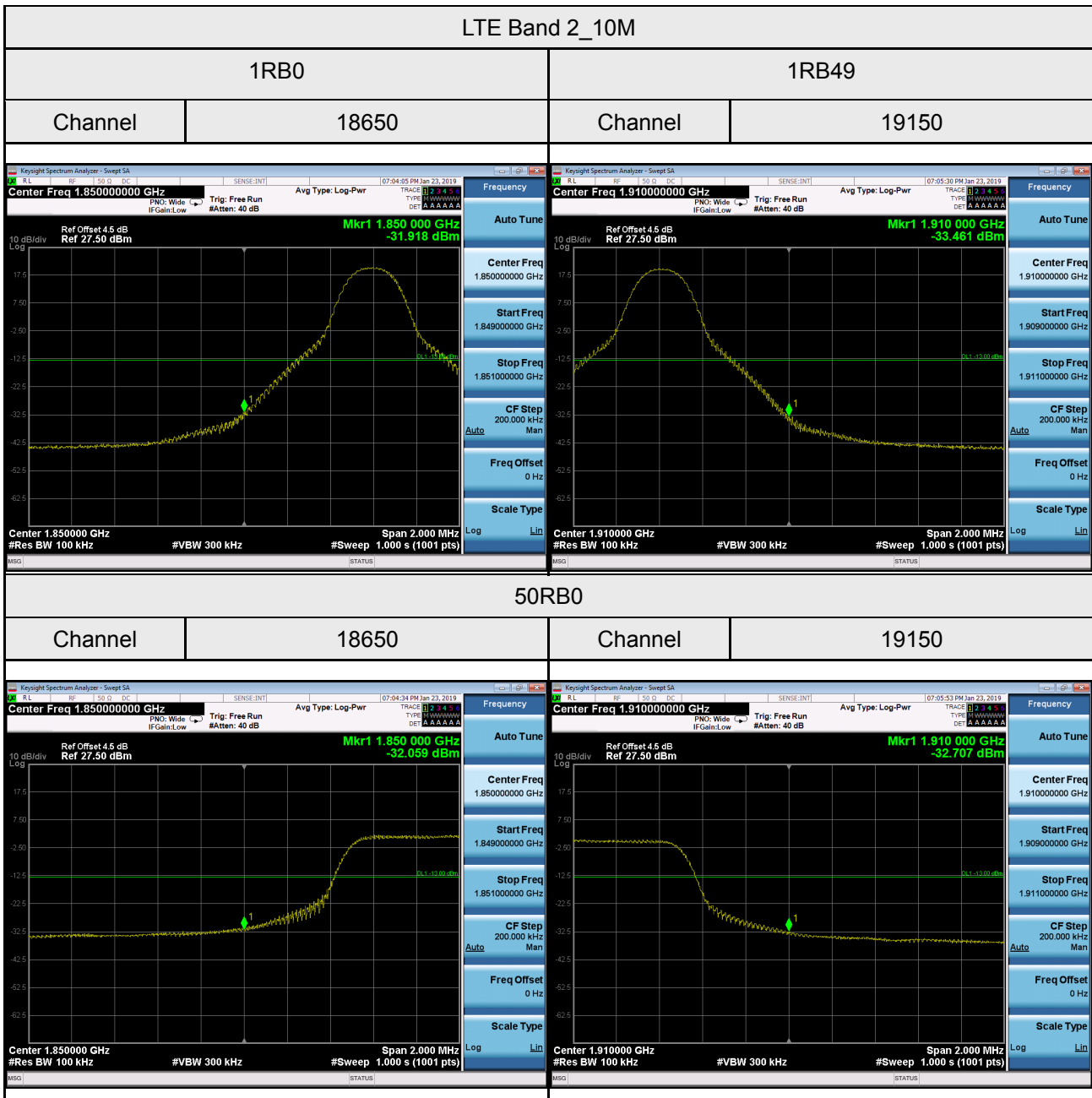


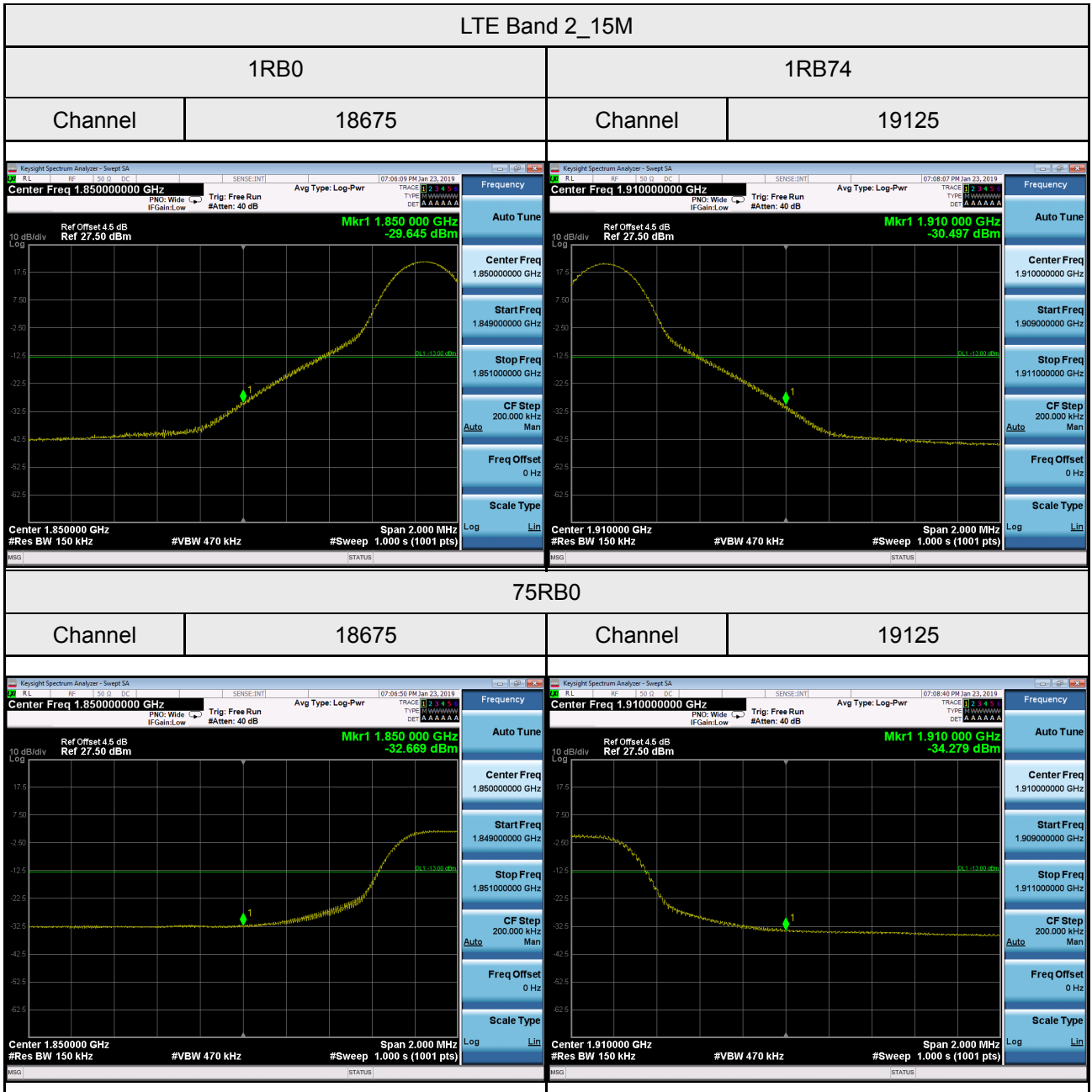
### LTE Band 2\_5M



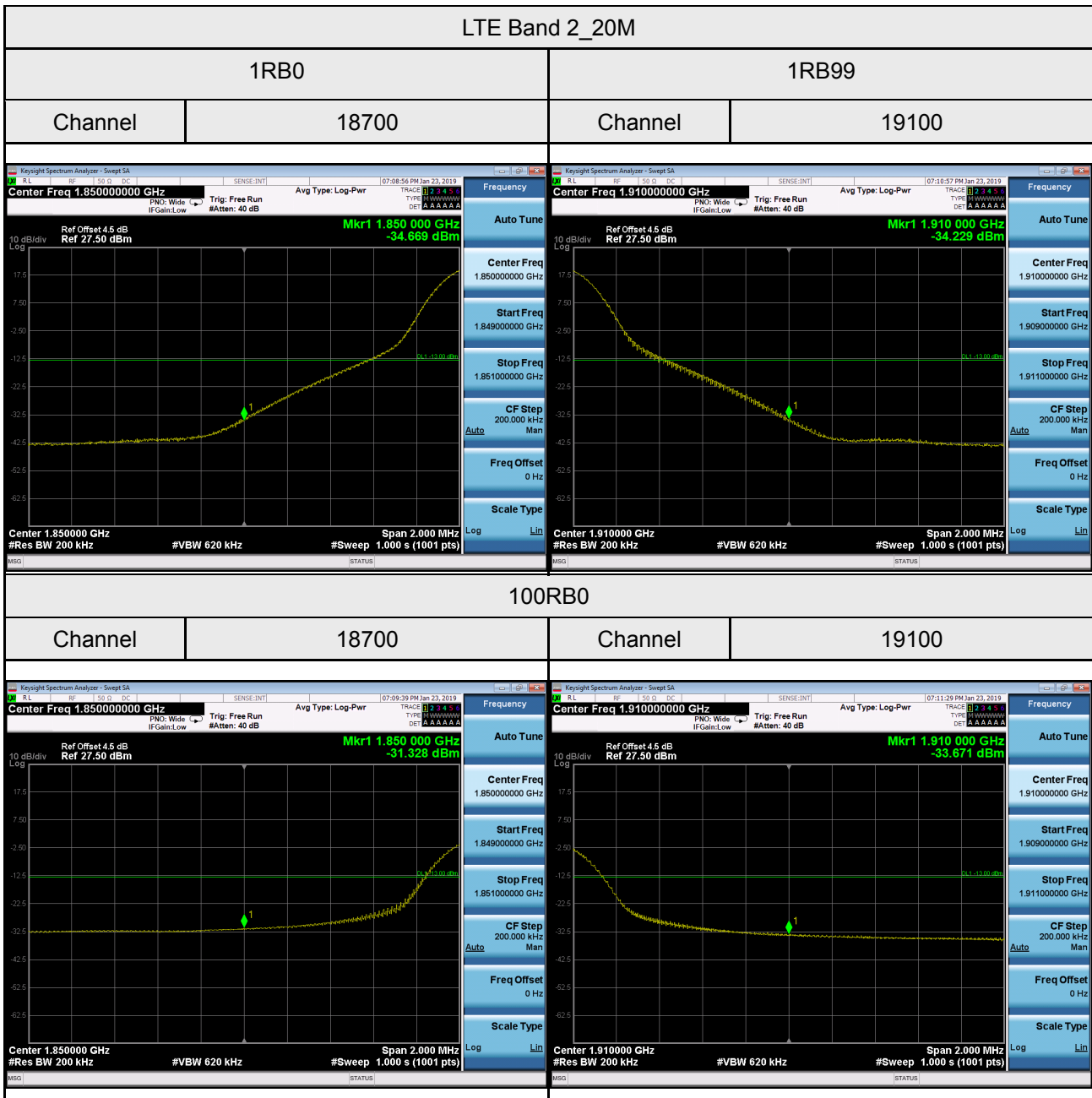
### 25RB0





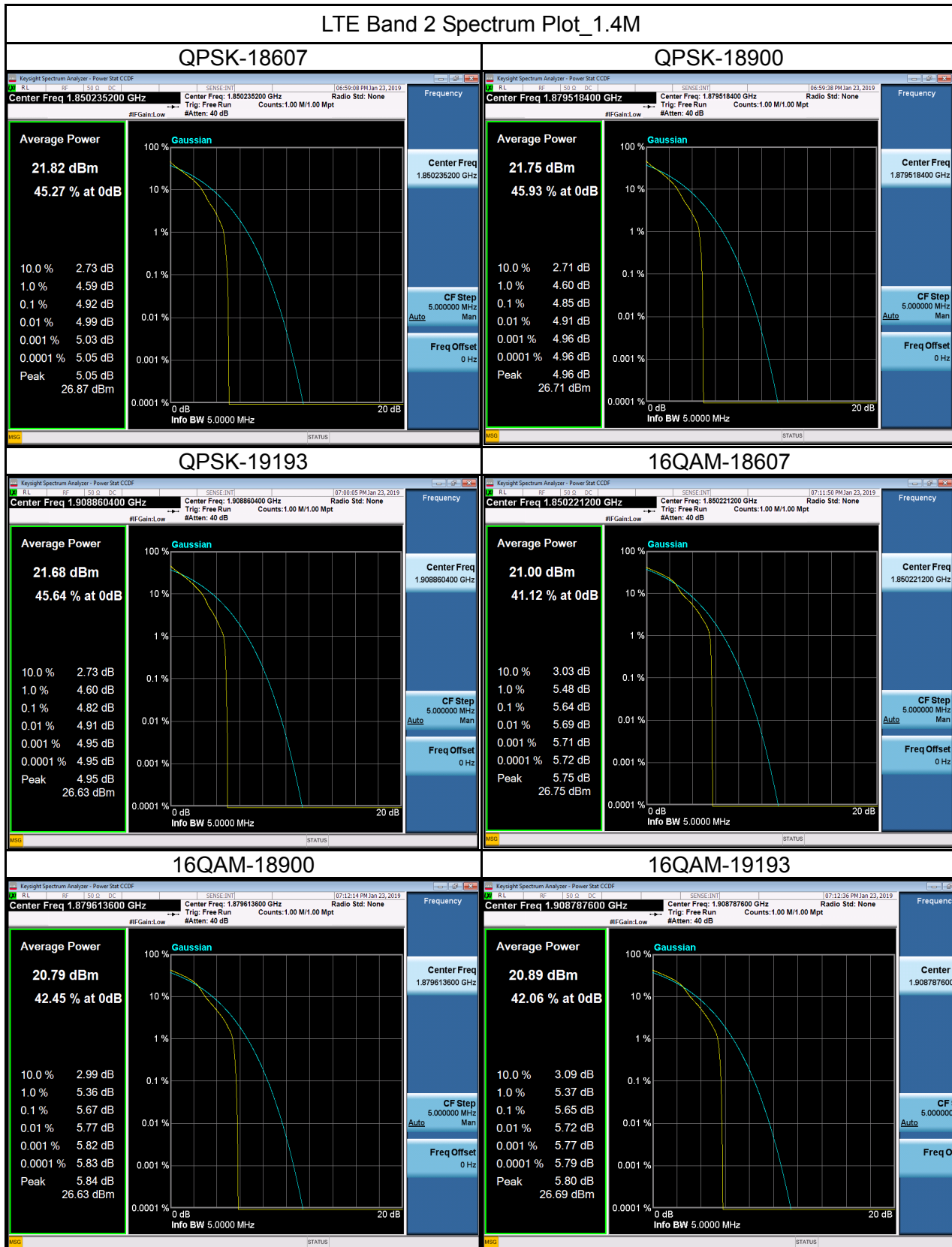




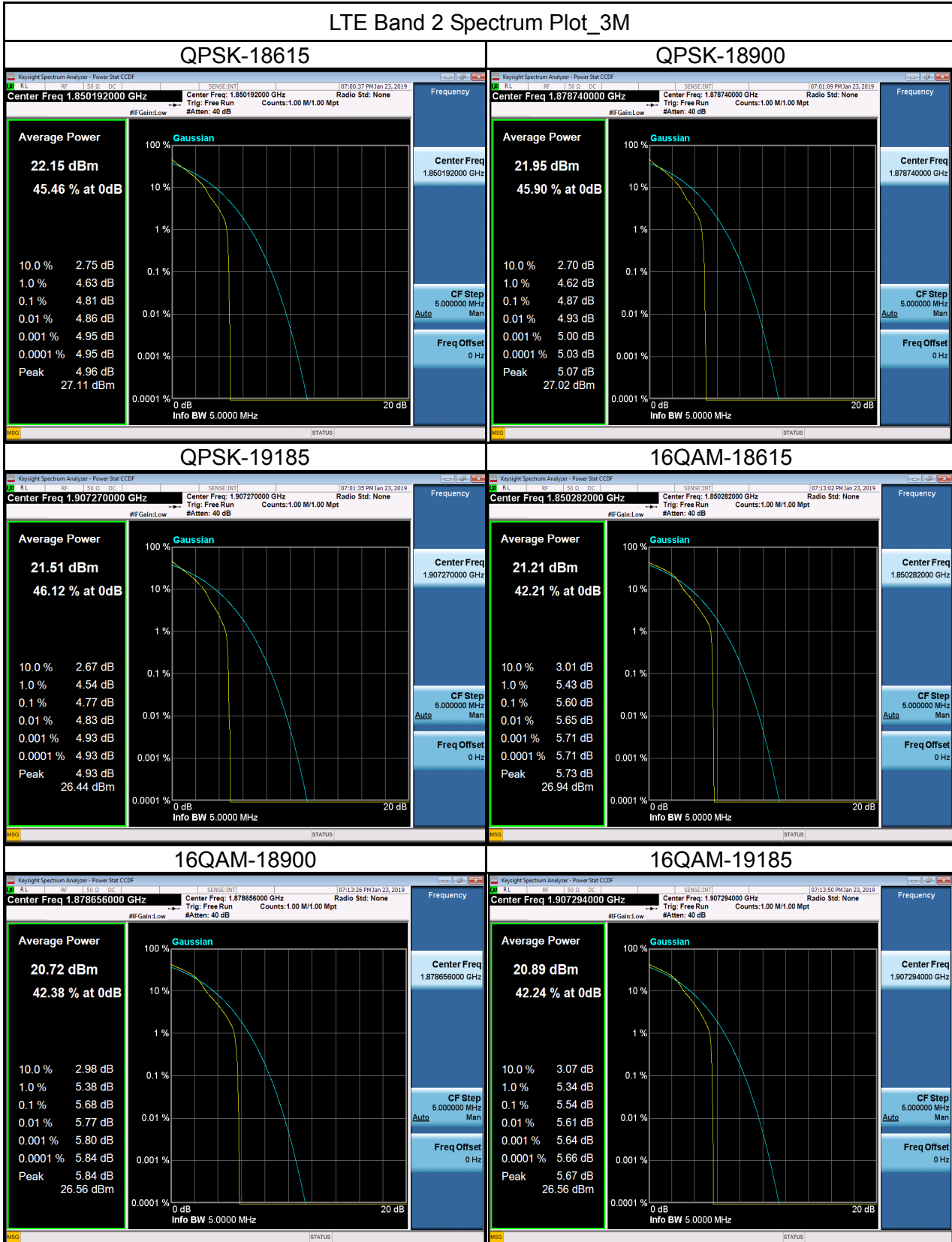


## APPENDIX H - PEAK TO AVERAGE RATIO

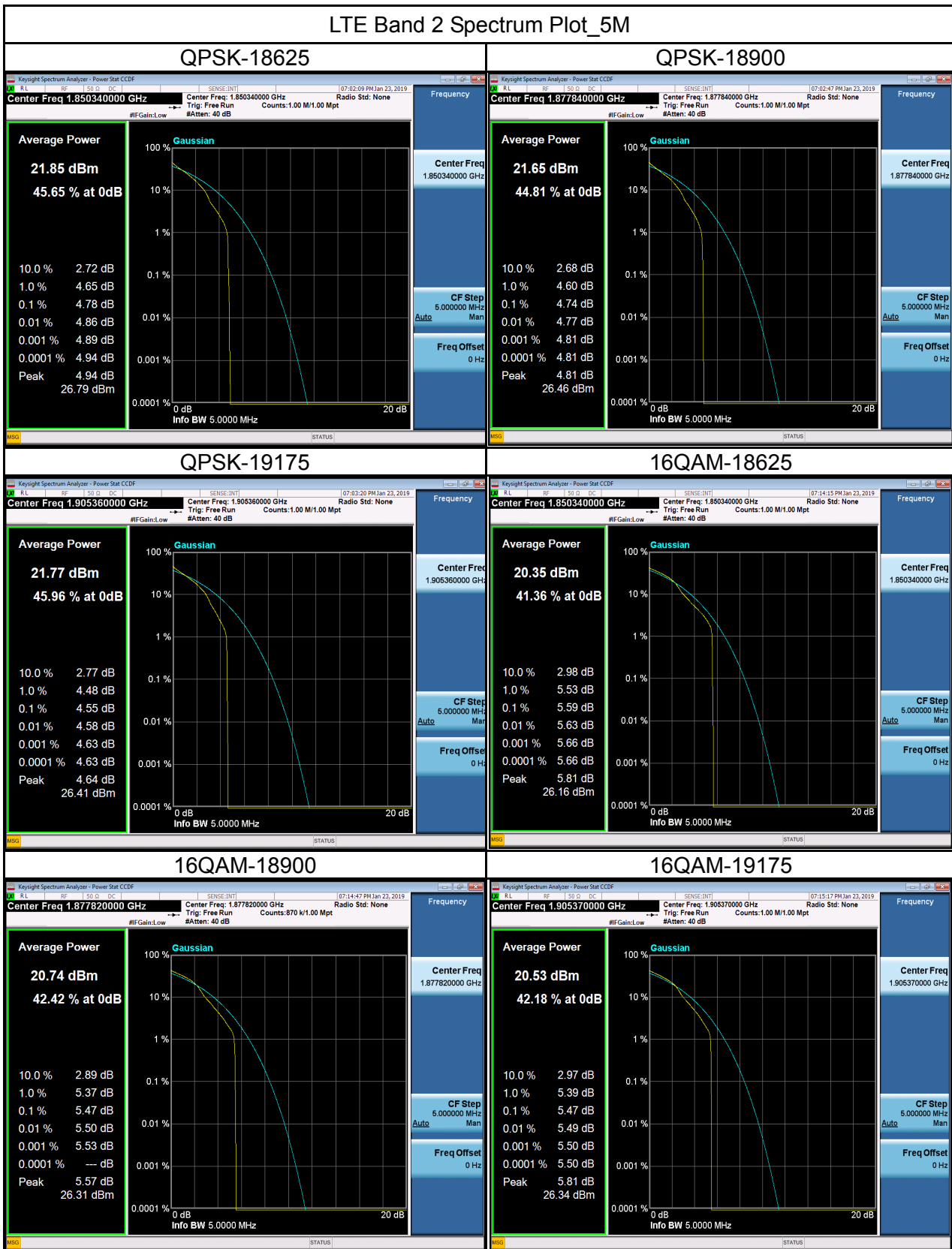
### LTE Band 2 Spectrum Plot\_1.4M



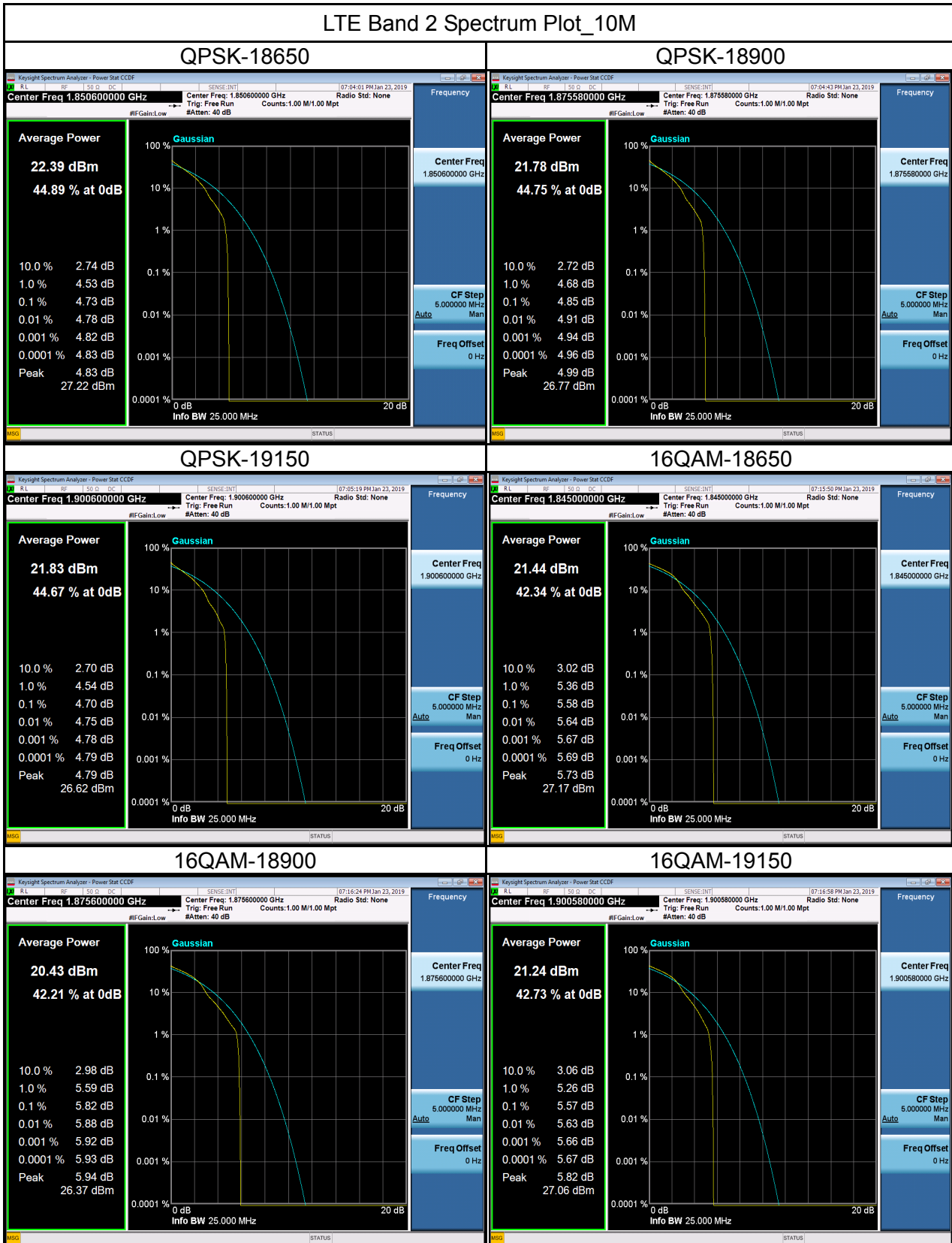
### LTE Band 2 Spectrum Plot\_3M



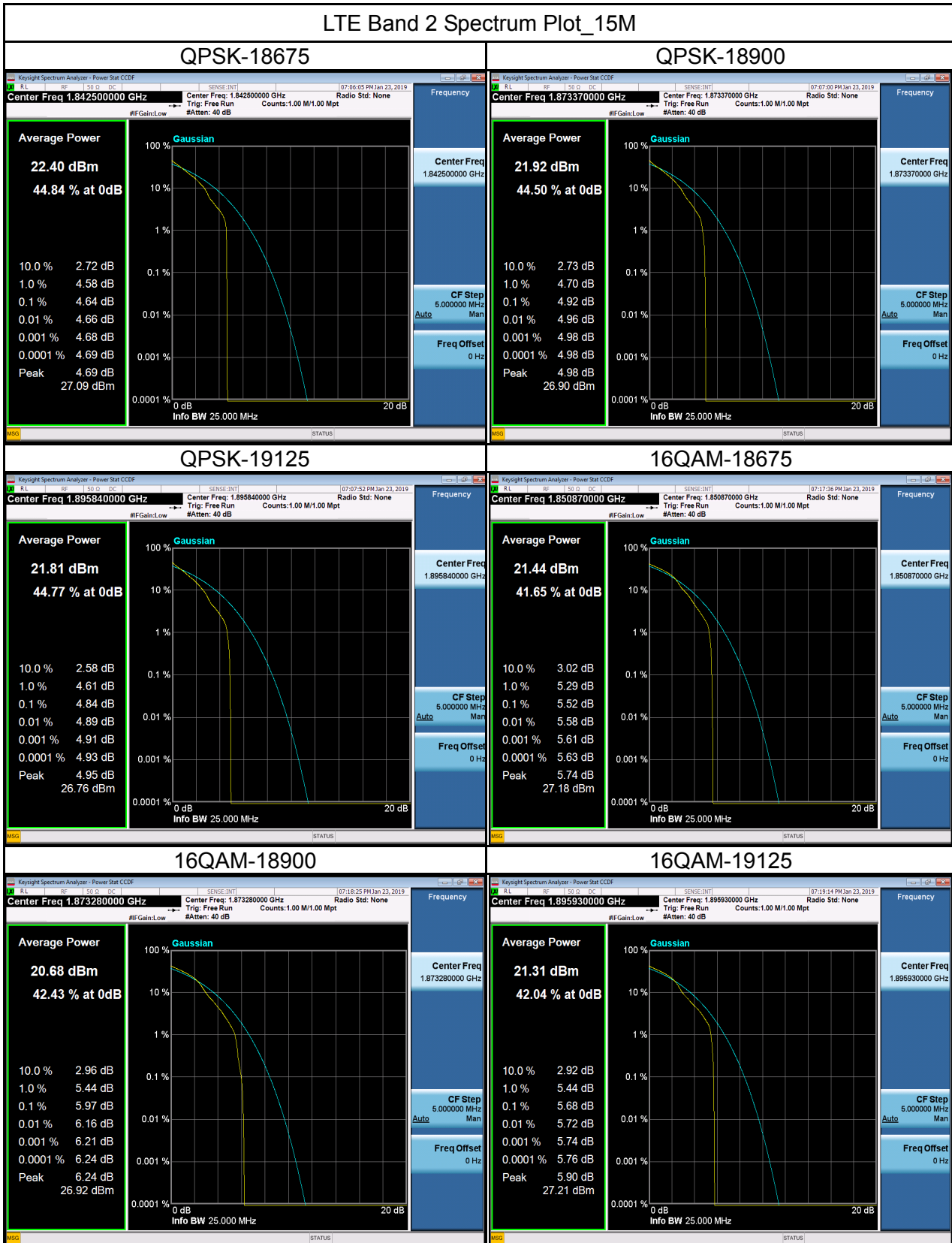
### LTE Band 2 Spectrum Plot\_5M



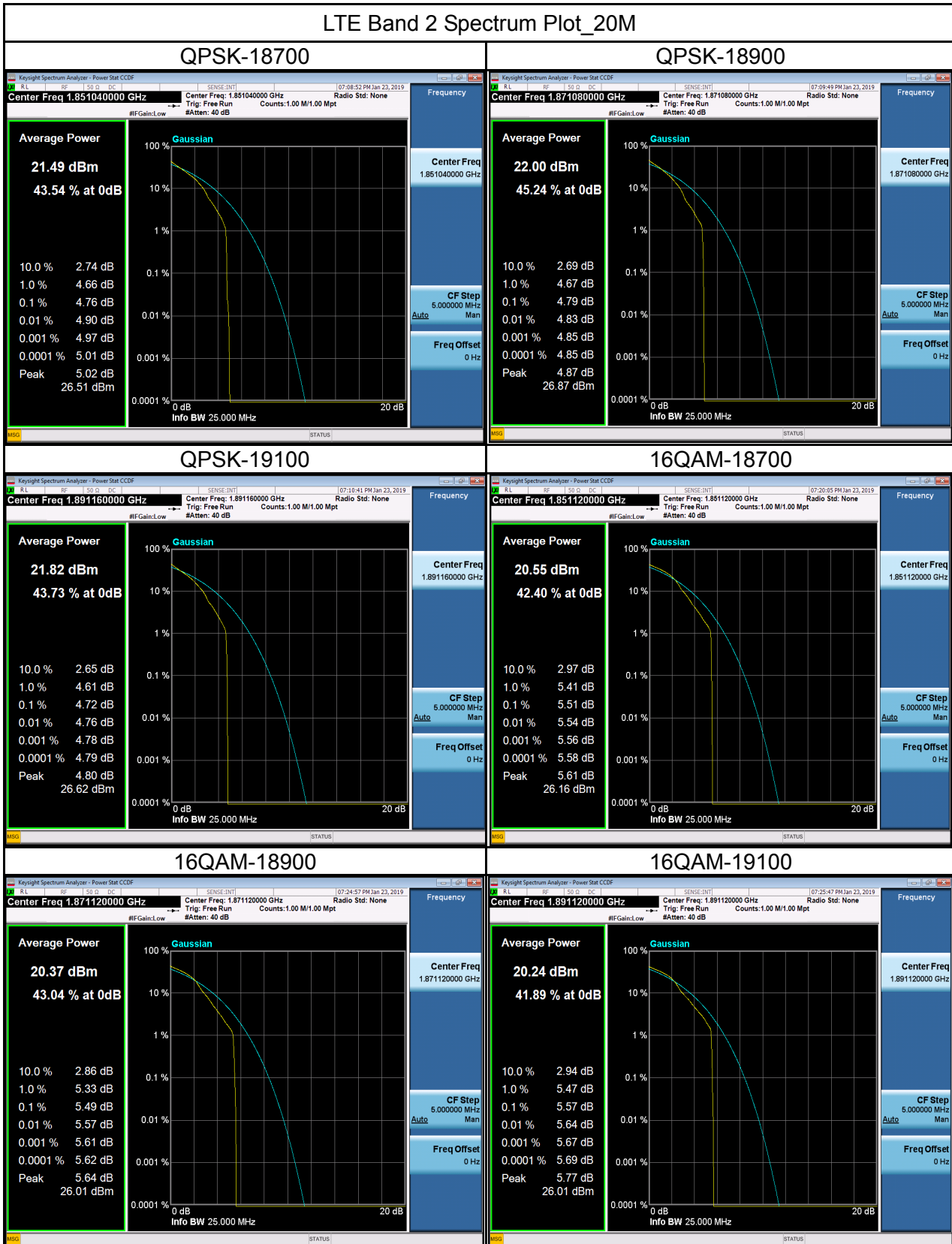
### LTE Band 2 Spectrum Plot\_10M



### LTE Band 2 Spectrum Plot\_15M



### LTE Band 2 Spectrum Plot\_20M





## APPENDIX I - FREQUENCY STABILITY

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

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-10	-5.04	-0.002680851	±2.5
0	4.85	0.002579787	
10	-2.72	-0.001446809	
20	-0.95	-0.000505319	
30	0.66	0.000351064	
40	1.73	0.000920213	
50	-2.64	-0.001404255	
55	5.11	0.002718085	
Max. Deviation (ppm)	5.11	0.002718085	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
13.2	4.73	0.002515957	±2.5
12	-1.68	-0.000893617	
10.8	5.90	0.003138298	
Max. Deviation (ppm)	5.9	0.003138298	

Test Mode:	LTE Band 2_CH18900_3M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-10	-4.54	-0.002414894	± 2.5
0	-4.55	-0.002420213	
10	-2.52	-0.001340426	
20	-0.55	-0.000292553	
30	-1.16	-0.000617021	
40	2.13	0.001132979	
50	-2.04	-0.001085106	
55	4.61	0.002452128	
Max. Deviation (ppm)	4.61	0.002452128	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
13.2	5.13	0.002728723	± 2.5
12	-1.18	-0.00062766	
10.8	6.30	0.003351064	
Max. Deviation (ppm)	6.3	0.003351064	

Test Mode:	LTE Band 2_CH18900_5M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-10	4.69	0.002494681	± 2.5
0	-6.67	-0.003547872	
10	-3.90	-0.002074468	
20	2.35	0.00125	
30	-8.63	-0.004590426	
40	-2.17	-0.001154255	
50	5.52	0.00293617	
55	1.17	0.00062234	
Max. Deviation (ppm)	-8.63	-0.004590426	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
13.2	2.76	0.001468085	± 2.5
12	-4.45	-0.002367021	
10.8	-1.82	-0.000968085	
Max. Deviation (ppm)	-4.45	-0.002367021	

Test Mode:	LTE Band 2_CH18900_10M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-10	-1.37	-0.000728723	±2.5
0	-3.15	-0.001675532	
10	-1.71	-0.000909574	
20	2.71	0.001441489	
30	4.37	0.002324468	
40	4.86	0.002585106	
50	5.38	0.002861702	
55	3.79	0.002015957	
Max. Deviation (ppm)	5.38	0.002861702	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
13.2	3.55	0.001888298	±2.5
12	4.61	0.002452128	
10.8	4.74	0.002521277	
Max. Deviation (ppm)	4.74	0.002521277	

Test Mode:	LTE Band 2_CH18900_15M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-10	6.38	0.003393617	±2.5
0	3.66	0.001946809	
10	-1.72	-0.000914894	
20	-3.70	-0.001968085	
30	6.69	0.003558511	
40	5.06	0.002691489	
50	2.28	0.001212766	
55	5.33	0.002835106	
Max. Deviation (ppm)	6.69	0.003558511	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
13.2	2.31	0.001228723	±2.5
12	-2.22	-0.001180851	
10.8	5.84	0.003106383	
Max. Deviation (ppm)	5.84	0.003106383	

Test Mode:	LTE Band 2_CH18900_20M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-10	4.08	0.002170213	± 2.5
0	-2.94	-0.00156383	
10	-1.28	-0.000680851	
20	7.75	0.00412234	
30	3.55	0.001888298	
40	6.42	0.003414894	
50	2.18	0.001159574	
55	5.60	0.002978723	
Max. Deviation (ppm)	7.75	0.00412234	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
13.2	5.65	0.003005319	± 2.5
12	3.14	0.001670213	
10.8	-2.51	-0.001335106	
Max. Deviation (ppm)	5.65	0.003005319	

**End of Test Report**