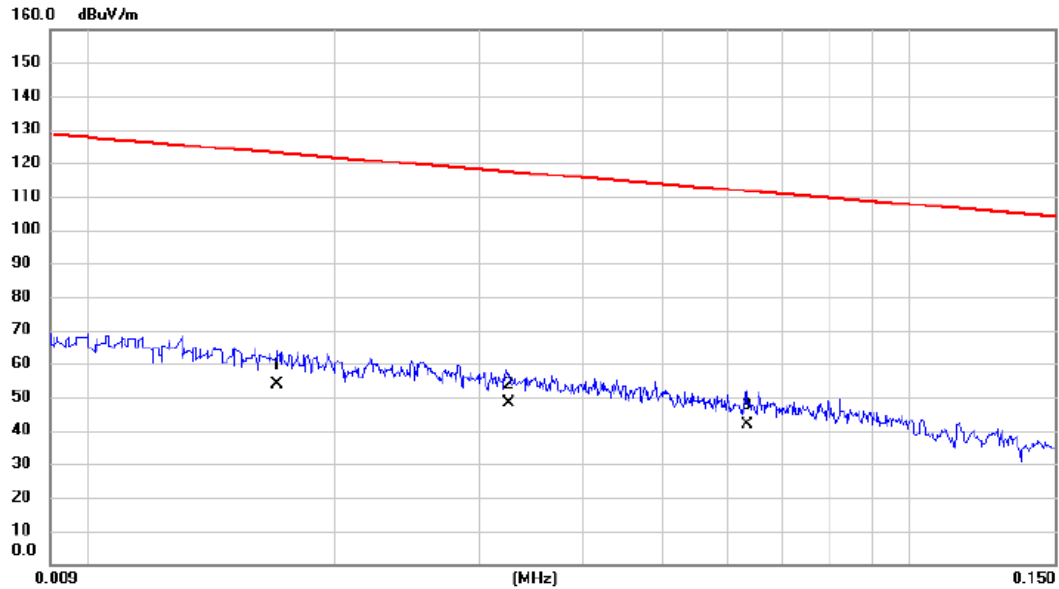


Test Mode: TX Mode_Adapter AMS135-1201000FU

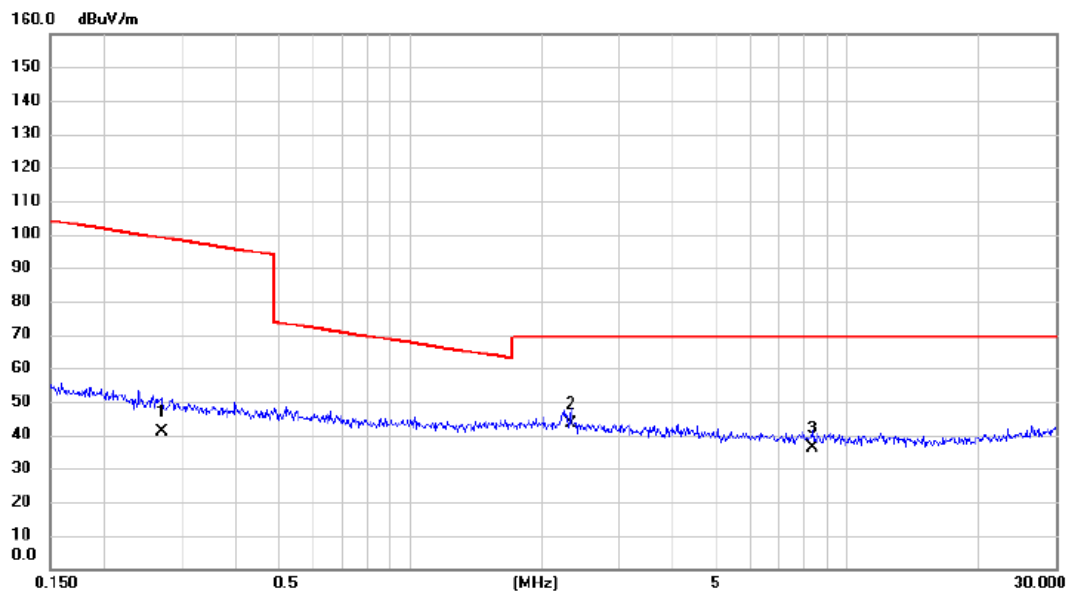
Ant 90°



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

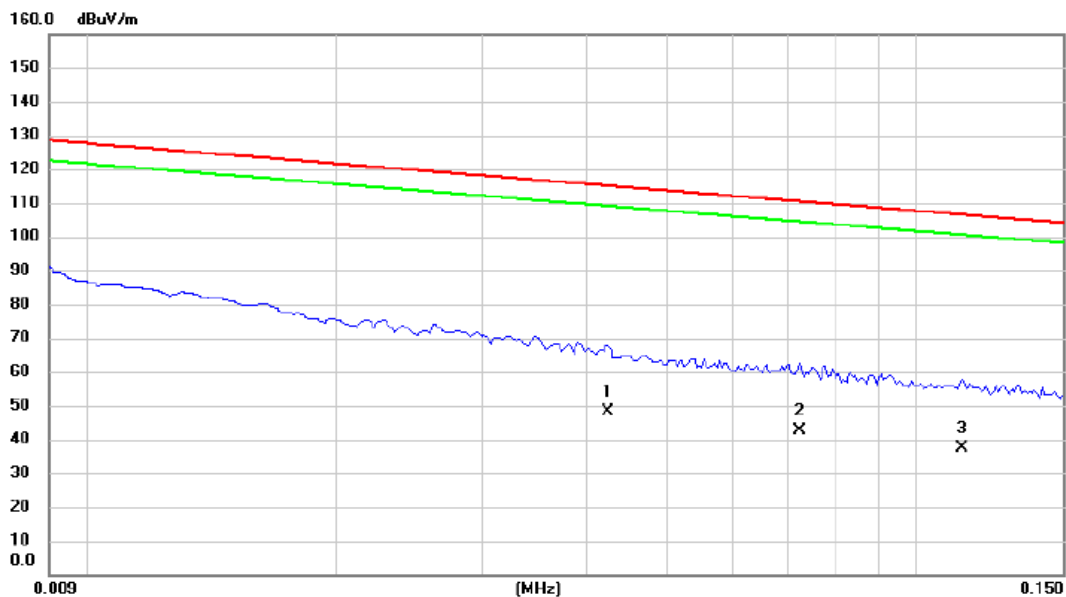
Ant 90°



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

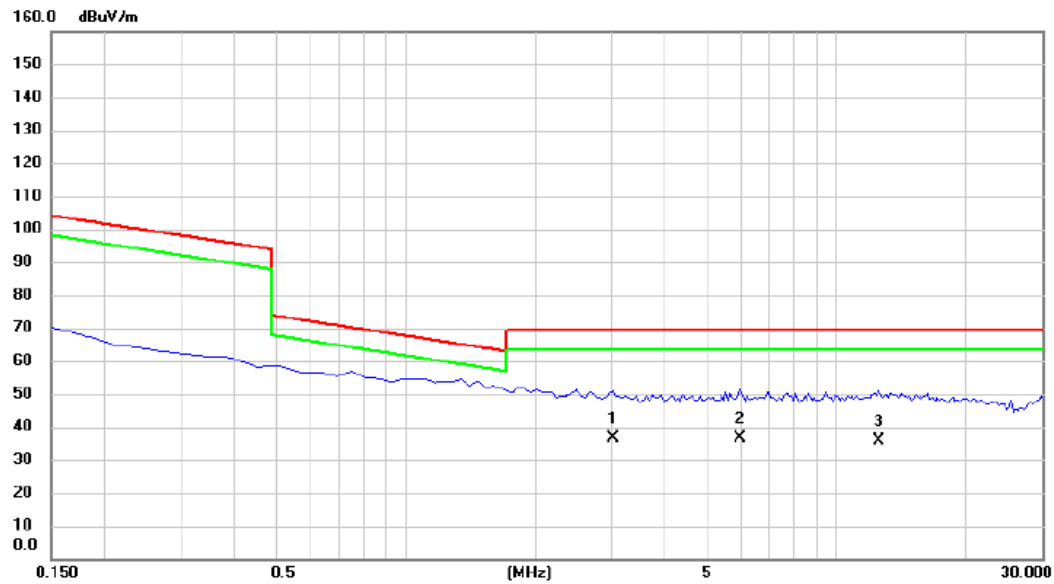
Ant 0°



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

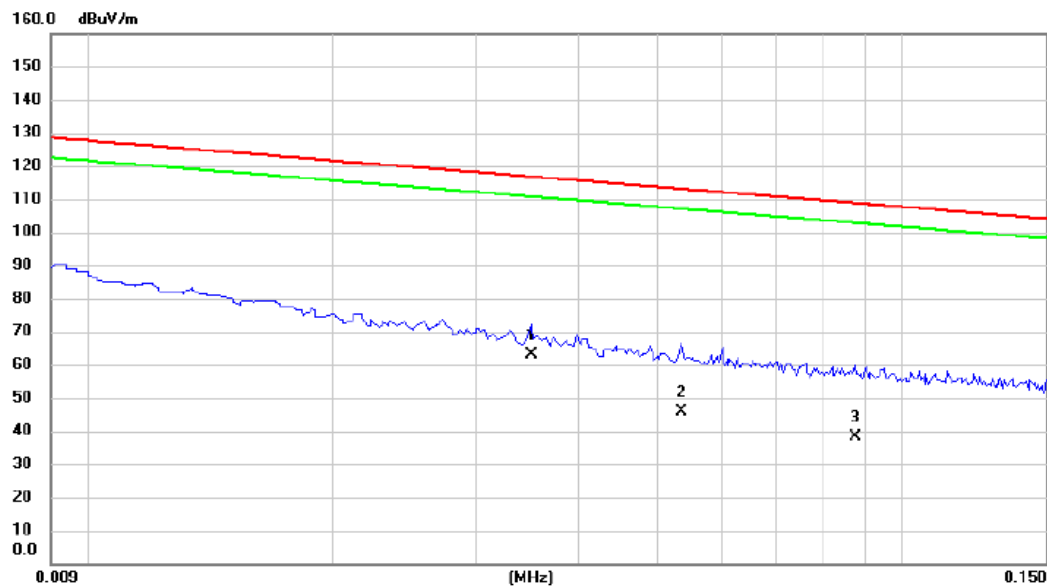
Ant 0°



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

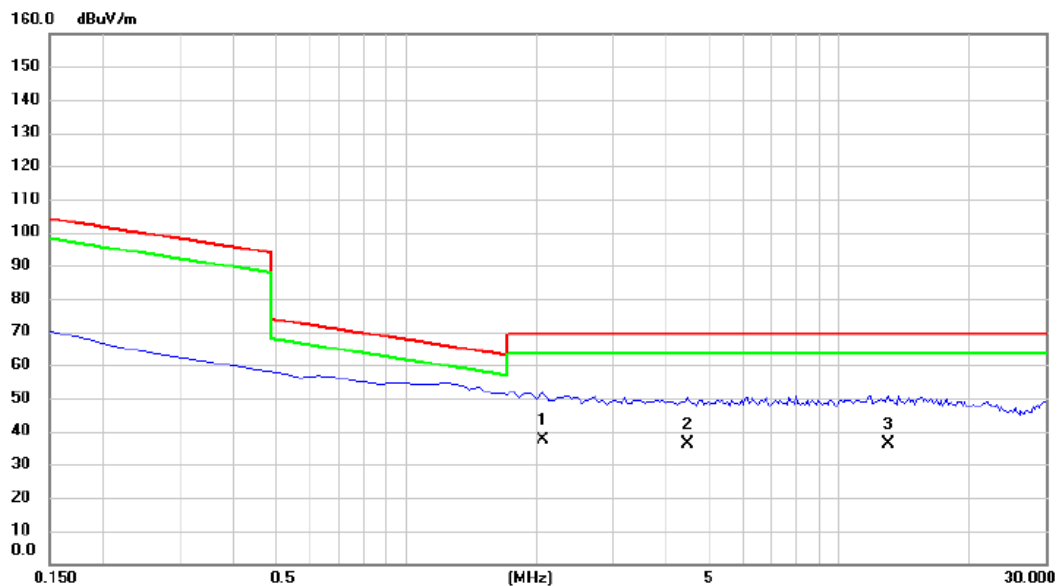
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
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

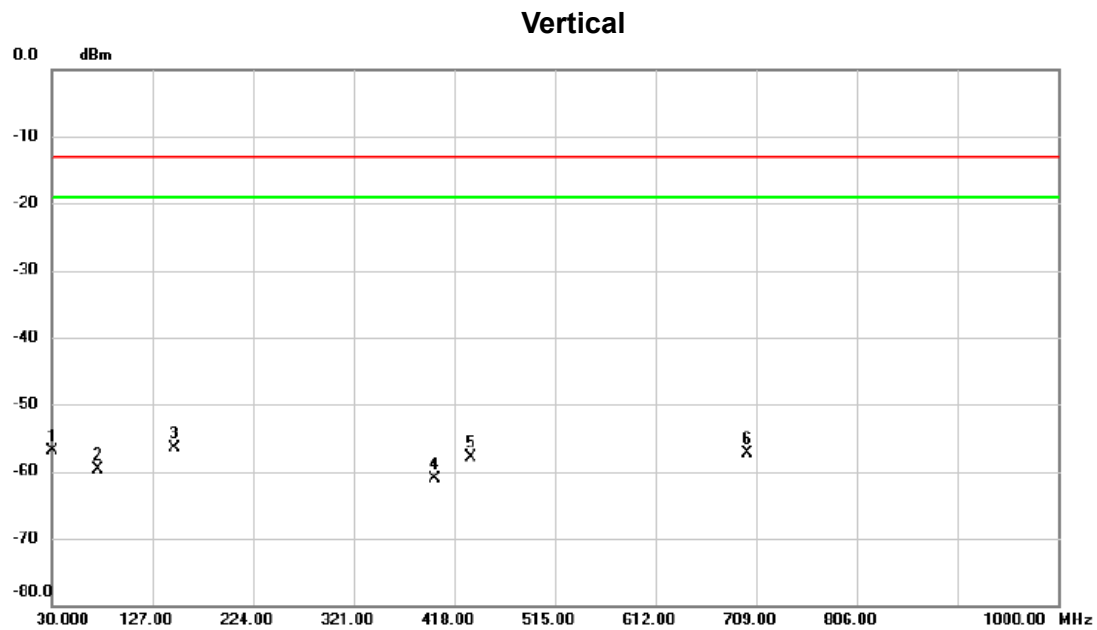
Ant 90°



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)

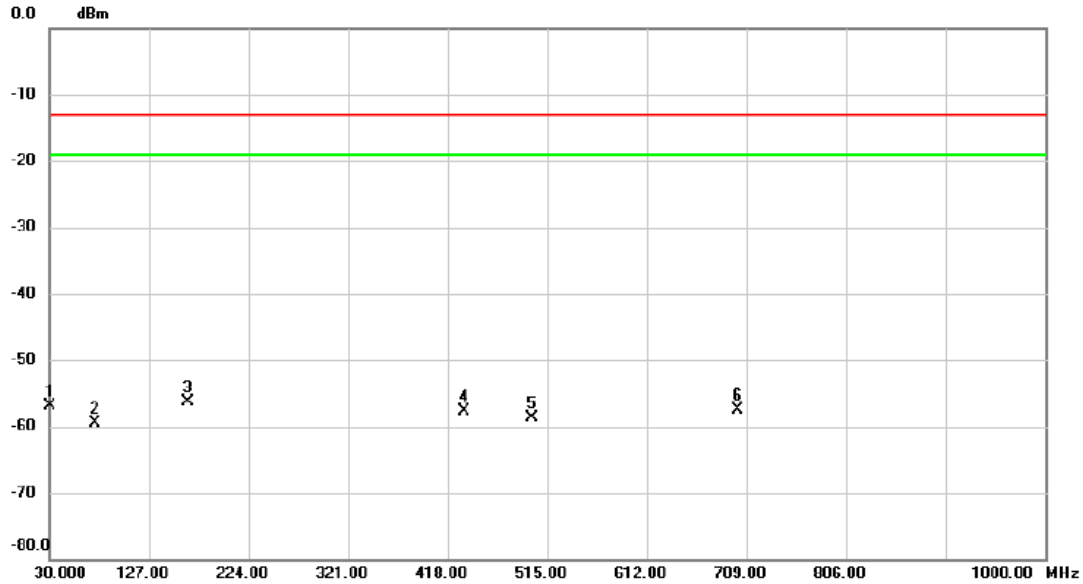
Test Mode: LTE Band 2_TX CH18900_1.4M_Adapter AMS135-1201000FU



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	

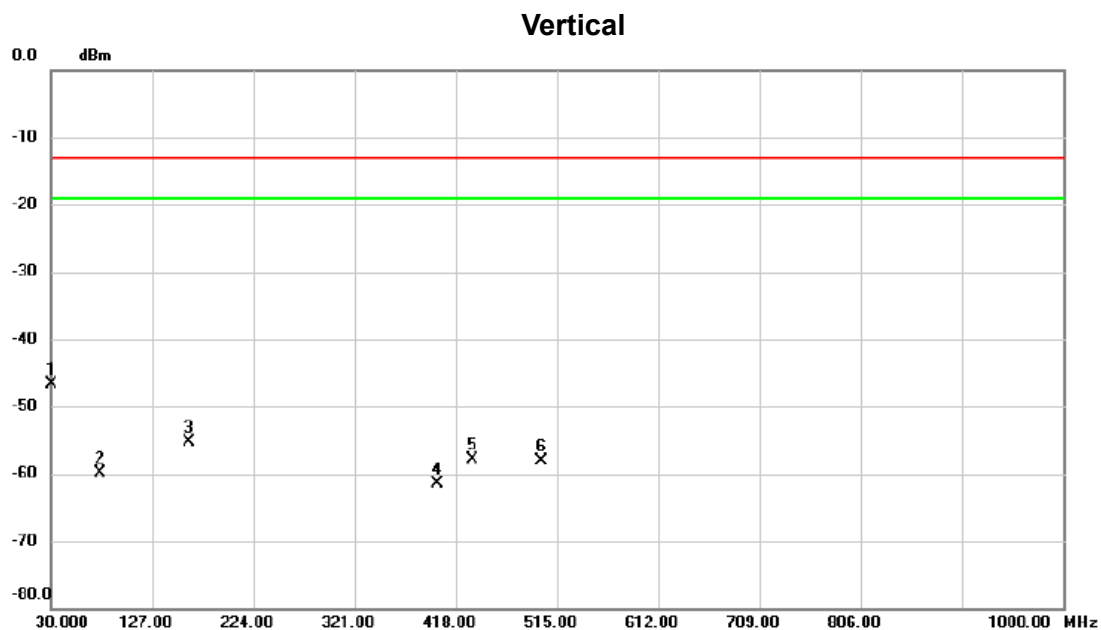
Test Mode: LTE Band 2_TX CH18900_1.4M_Adapter AMS135-1201000FU

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	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	

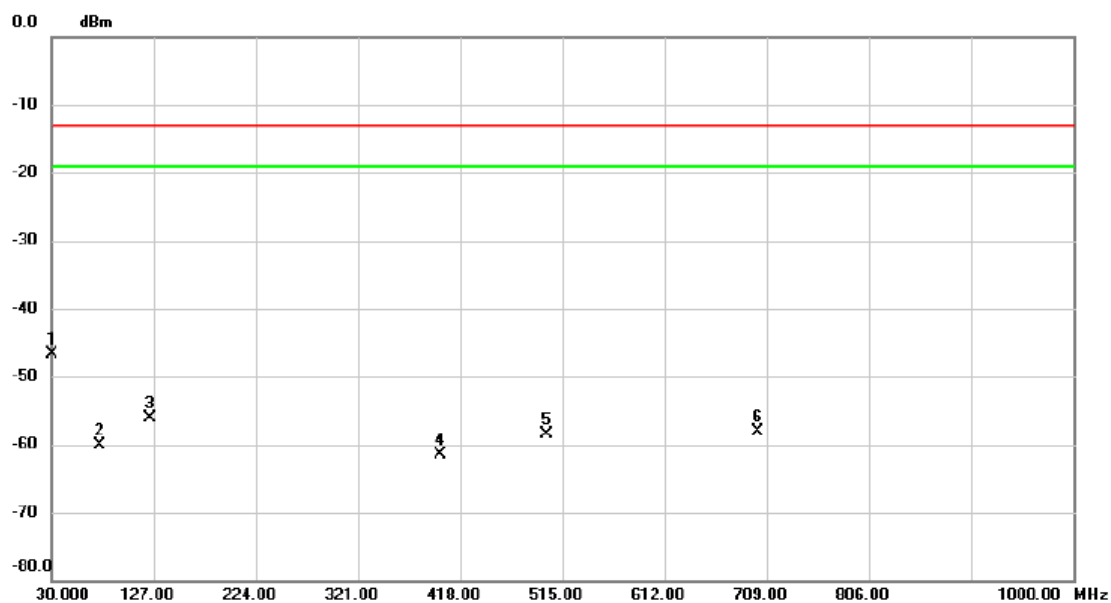
Test Mode: LTE Band 2_ TX CH18900_5M_Adapter AMS135-1201000FU



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

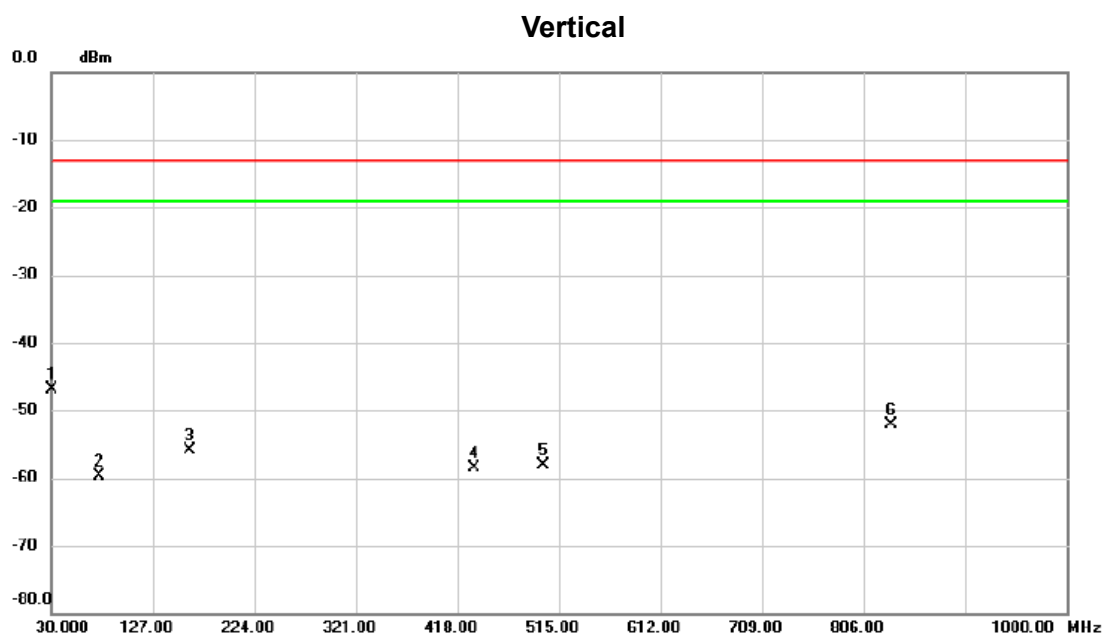
Horizontal



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

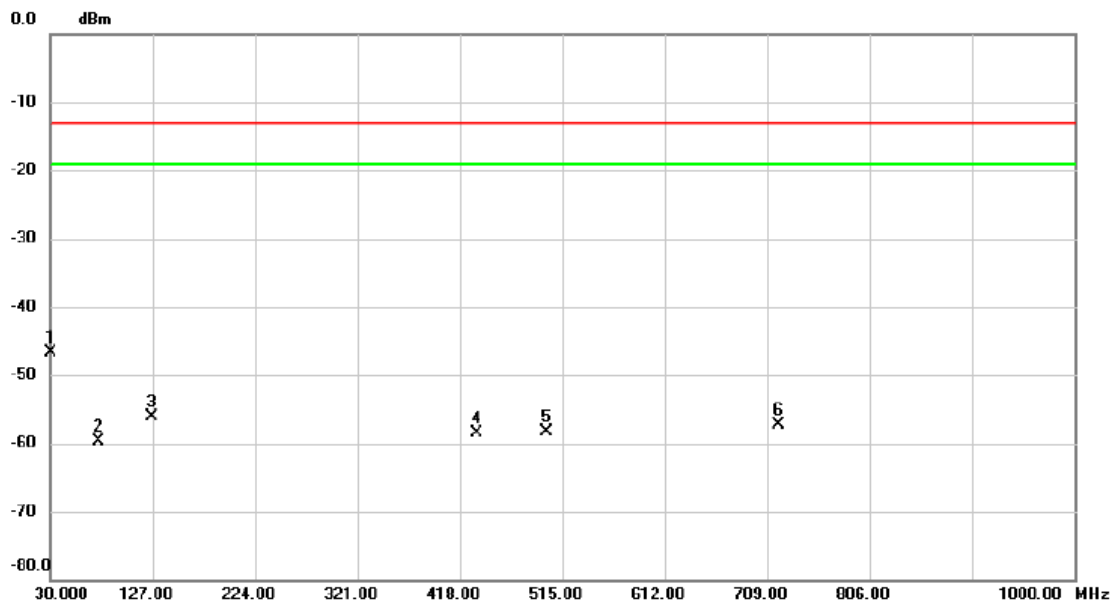
LTE Band 2_TX CH18900_20M_Adapter AMS135-1201000FU



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	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	

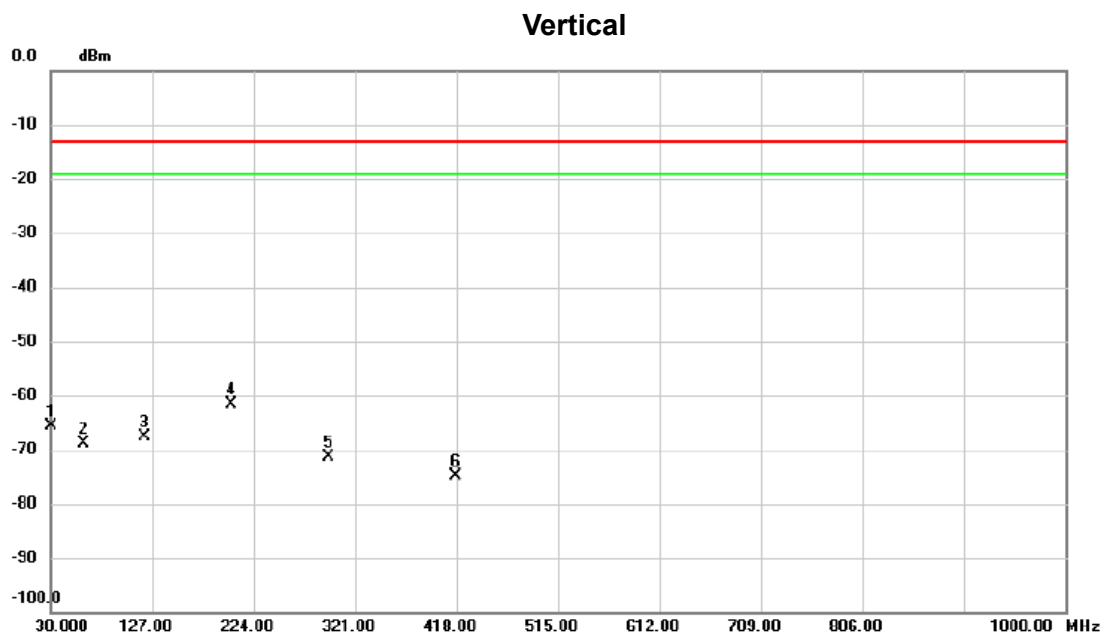
Test Mode: LTE Band 2_TX CH18900_20M_Adapter AMS135-1201000FU

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	

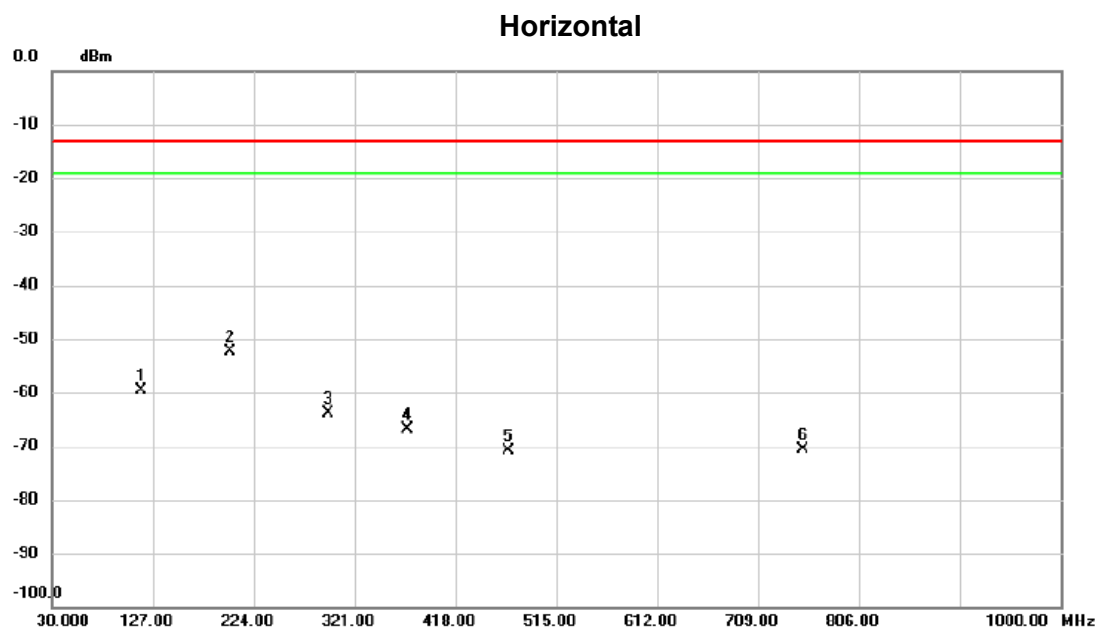
Test Mode: LTE Band 2_TX CH18900_1.4M_Adapter AD120A120100UV



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	

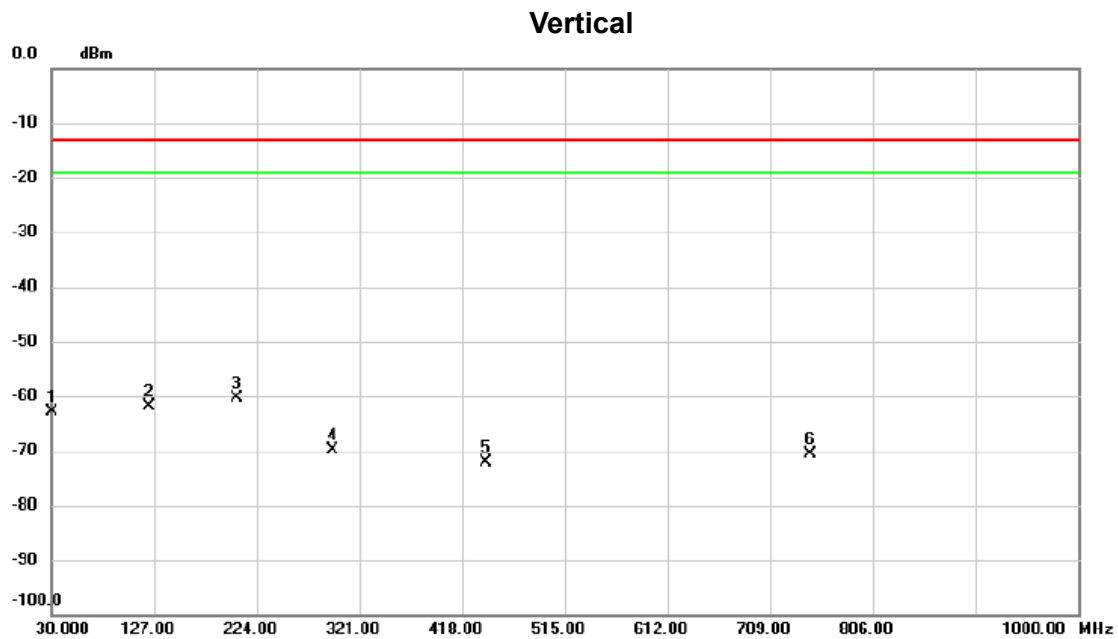
Test Mode:

LTE Band 2_TX CH18900_1.4M_Adapter AD120A120100UV



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	

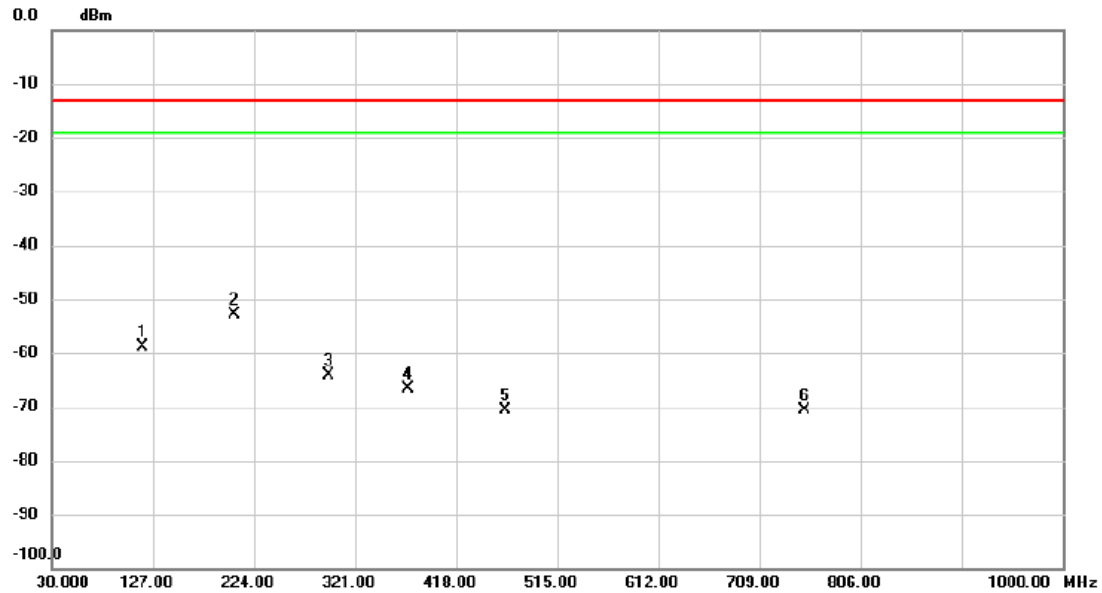
Test Mode: LTE Band 2_ TX CH18900_5M_Adapter AD120A120100UV



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	

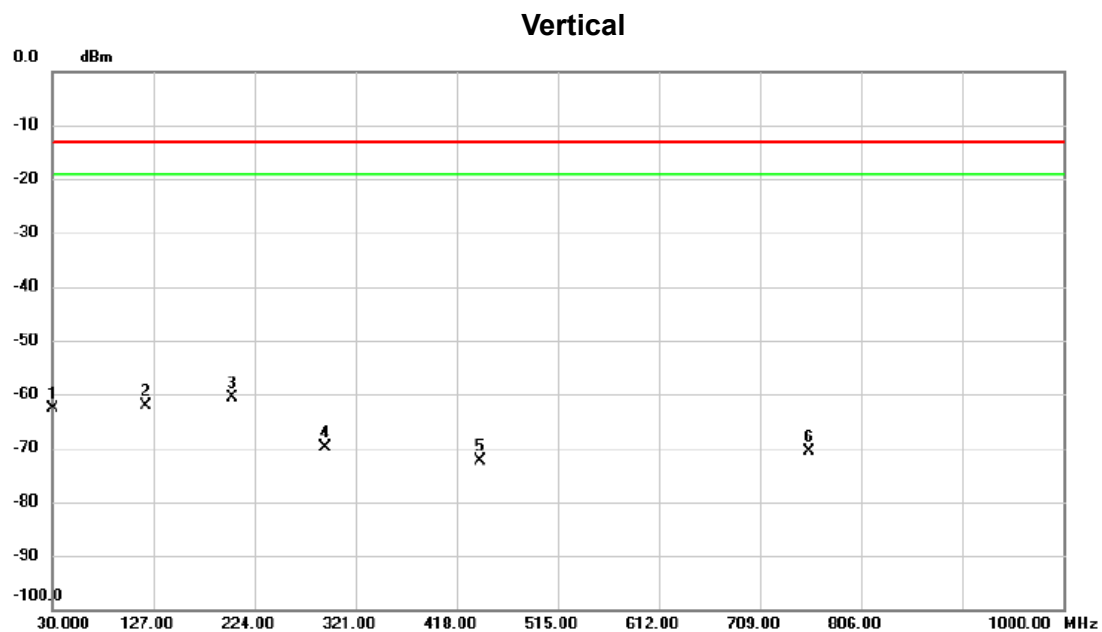
Test Mode: LTE Band 2_ TX CH18900_5M_Adapter AD120A120100UV

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	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

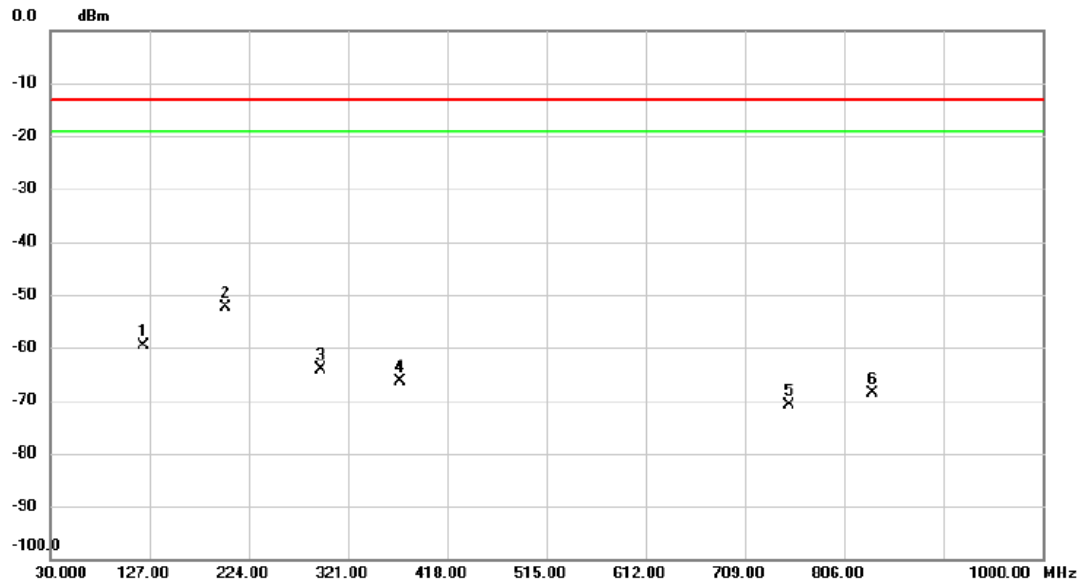


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		30.0000	-45.04	-17.67	-62.71	-13.00	-49.71	peak	
2		120.2100	-44.36	-17.66	-62.02	-13.00	-49.02	peak	
3	*	202.6600	-40.98	-19.76	-60.74	-13.00	-47.74	peak	
4		291.9000	-53.32	-16.43	-69.75	-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

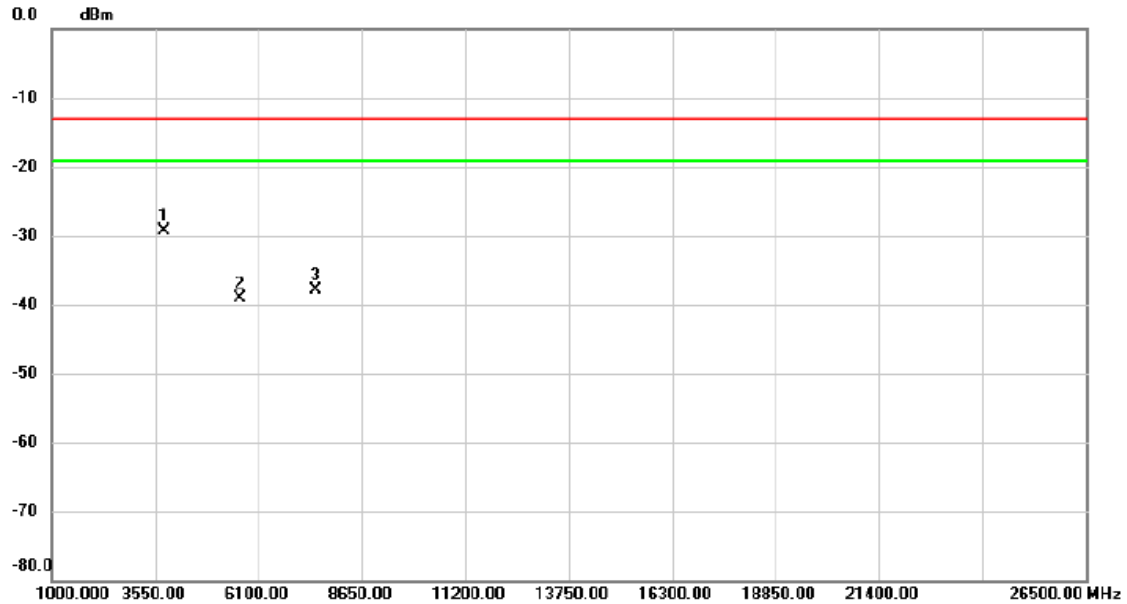


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		121.1800	-41.91	-17.61	-59.52	-13.00	-46.52	peak	
2	*	200.7200	-32.51	-19.83	-52.34	-13.00	-39.34	peak	
3		294.8100	-47.85	-16.29	-64.14	-13.00	-51.14	peak	
4		371.4400	-52.12	-14.36	-66.48	-13.00	-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

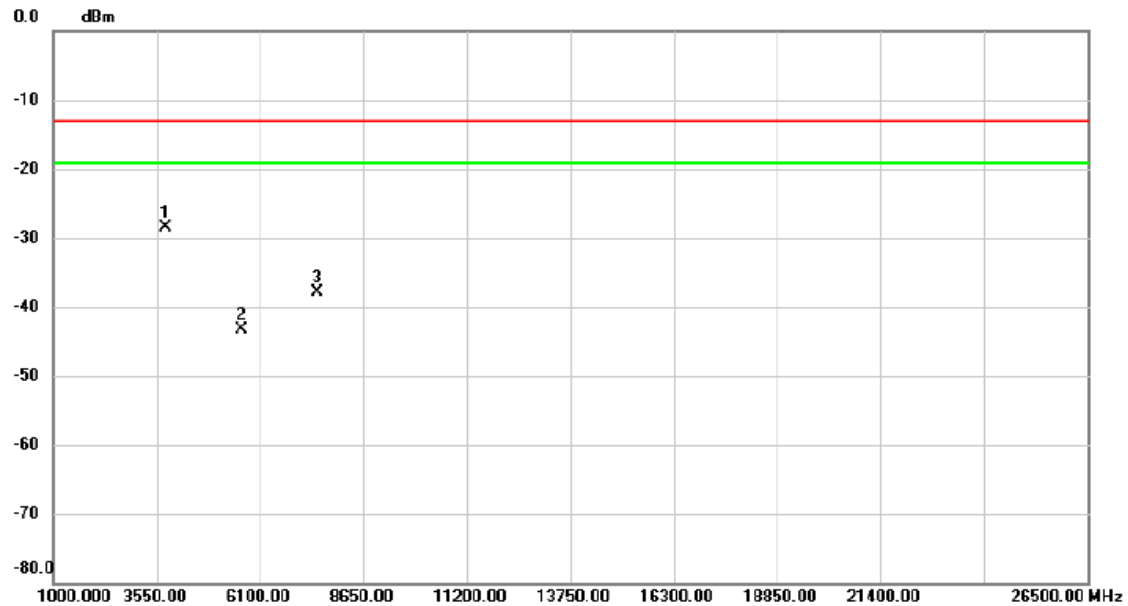
Vertical



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
------------	---

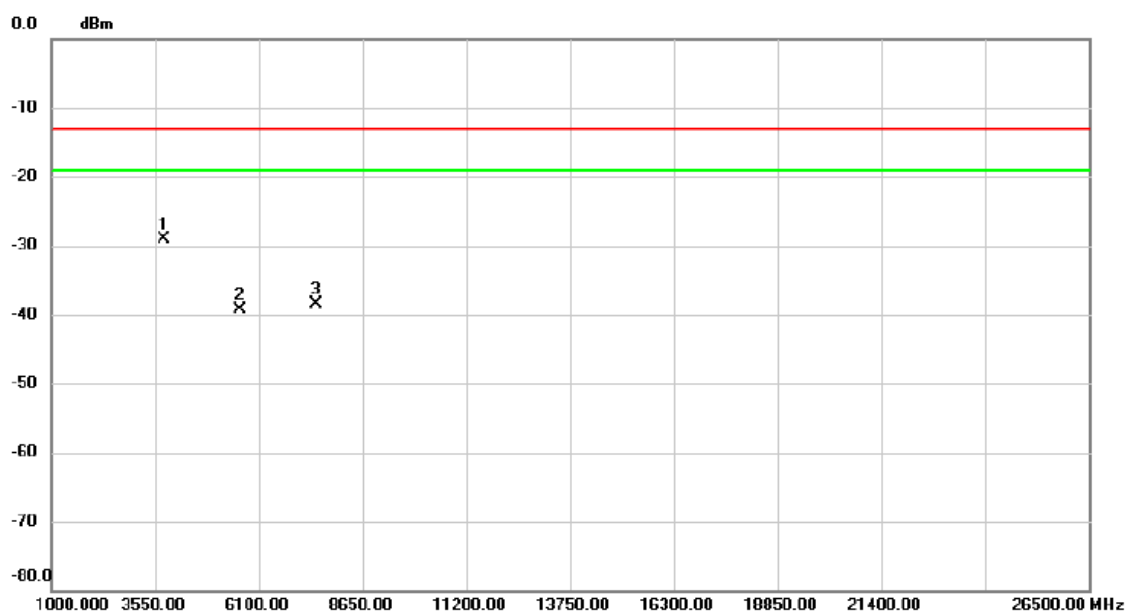
Horizontal



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	

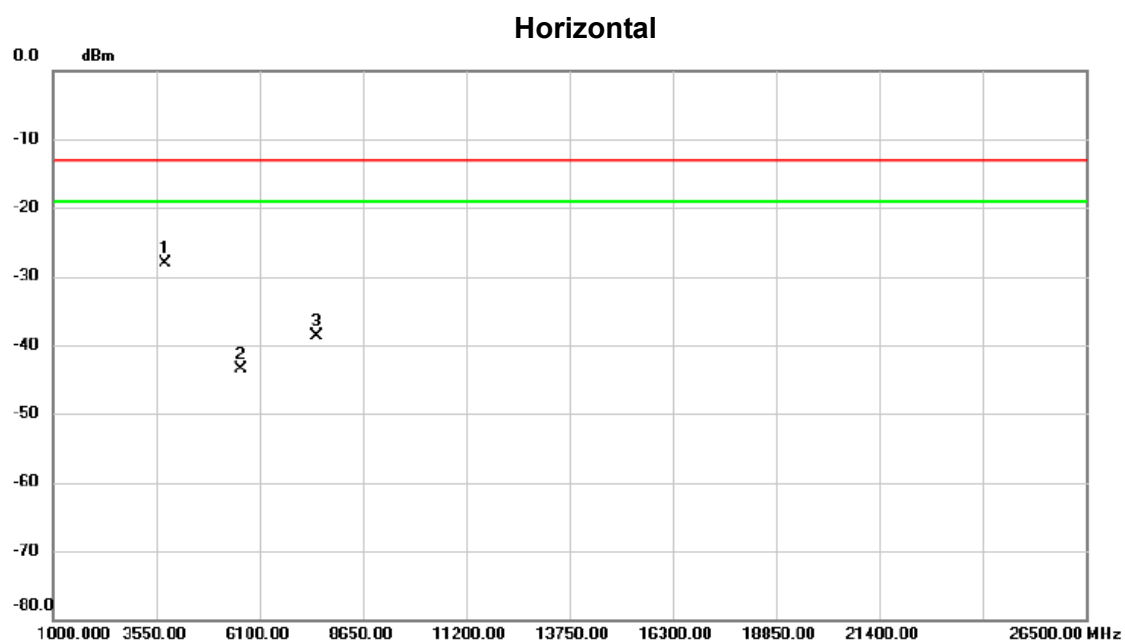
Test Mode:	LTE Band 2_ TX CH18900_5M_Adapter AMS135-1201000FU
------------	--

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	

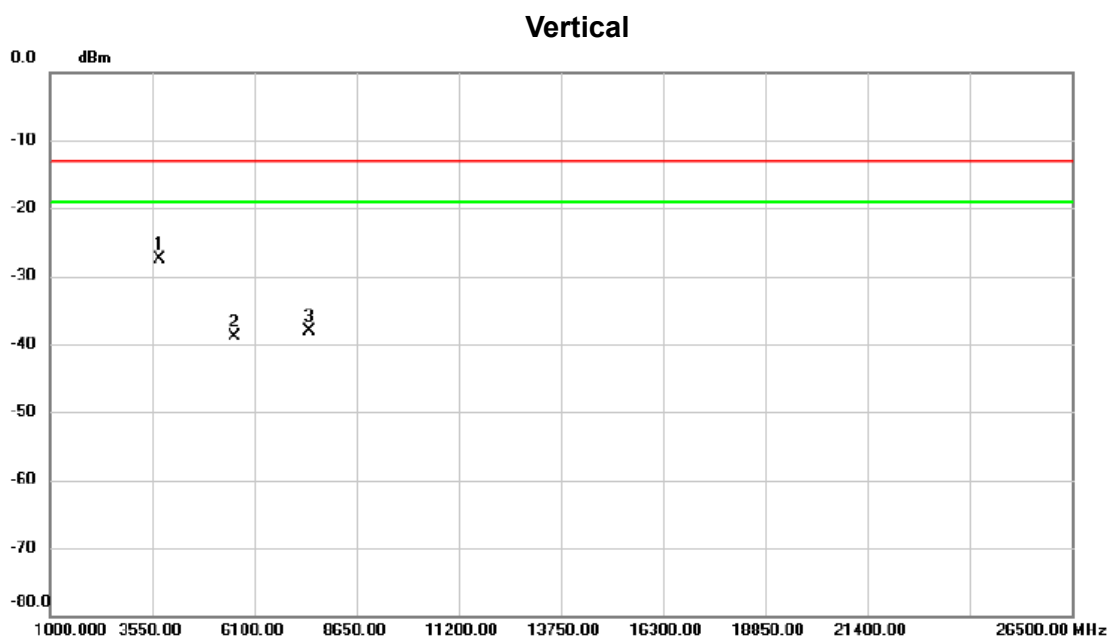
Test Mode:	LTE Band 2_ TX CH18900_5M_Adapter AMS135-1201000FU
------------	--



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:

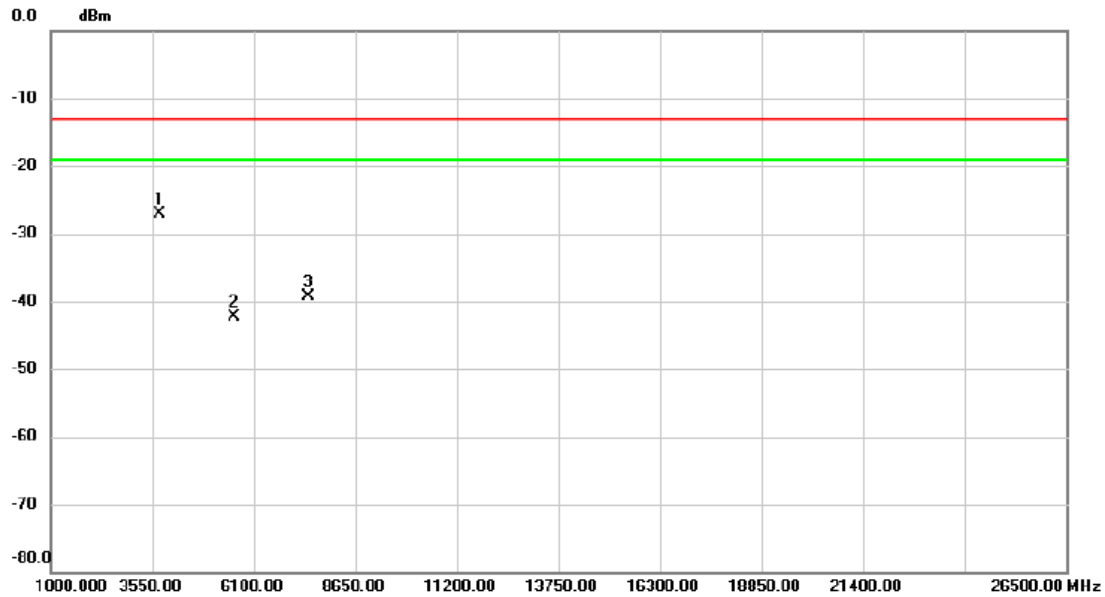
LTE Band 2_TX CH18900_20M_Adapter AMS135-1201000FU



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.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	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_1.4M

1RB0

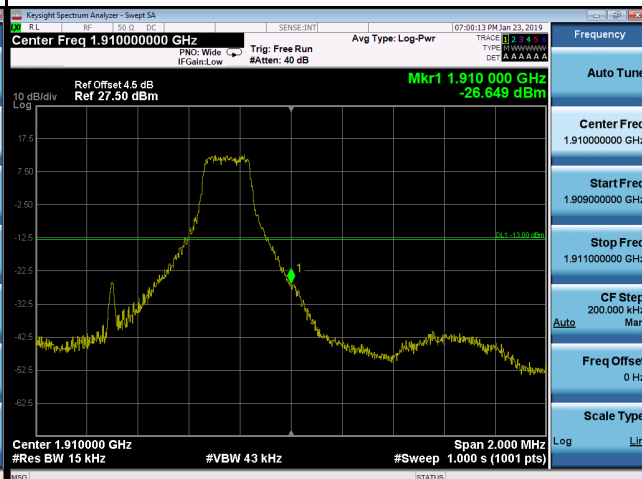
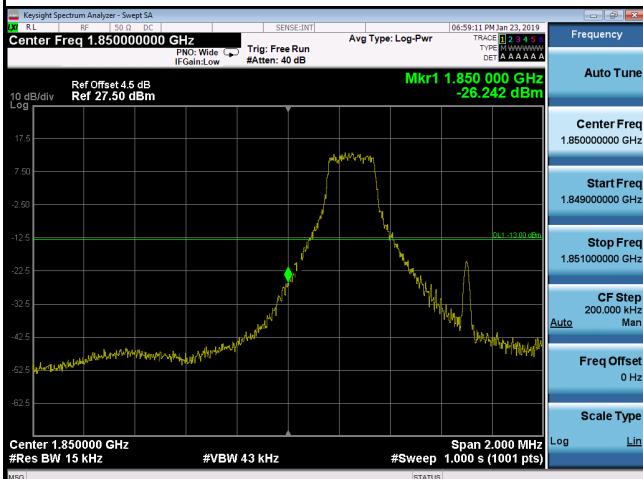
1RB5

Channel

18607

Channel

19193



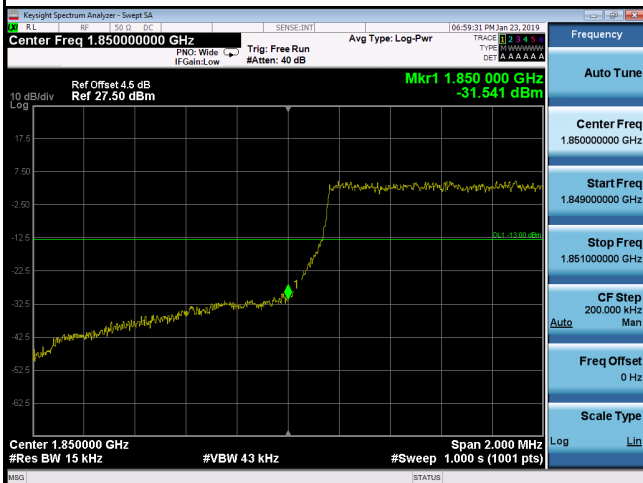
6RB0

Channel

18607

Channel

19193



LTE Band 2_3M

1RB0

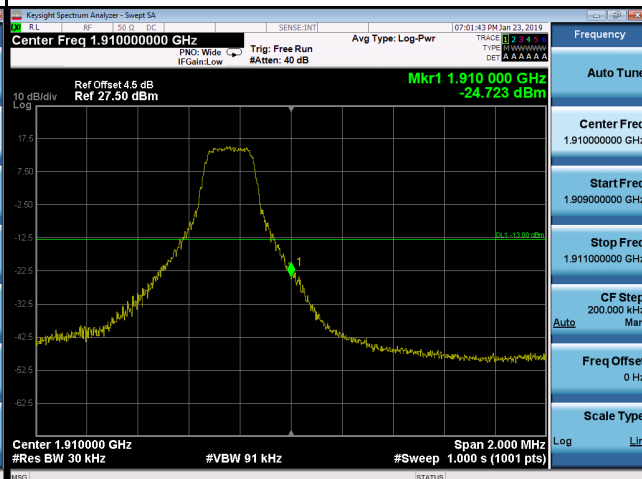
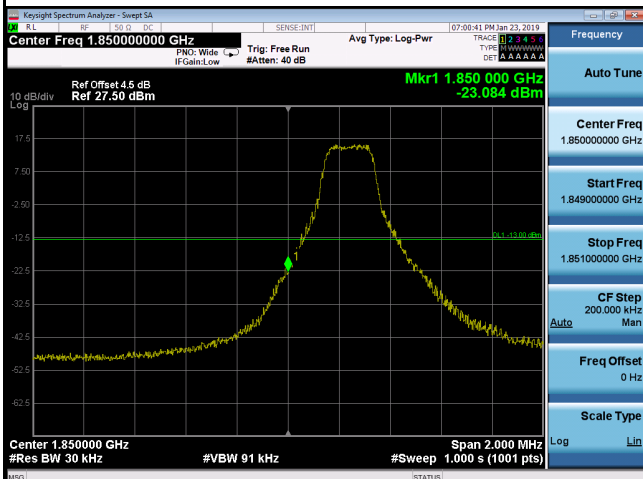
1RB14

Channel

18615

Channel

19185



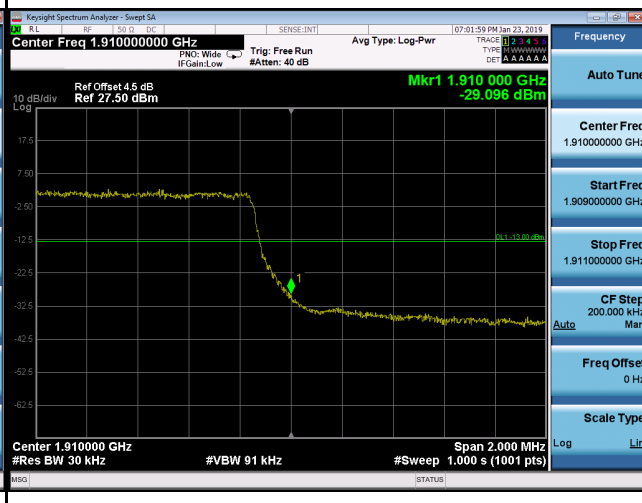
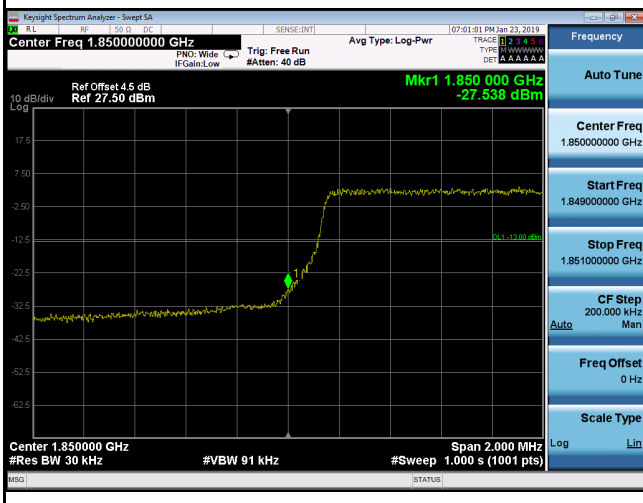
15RB0

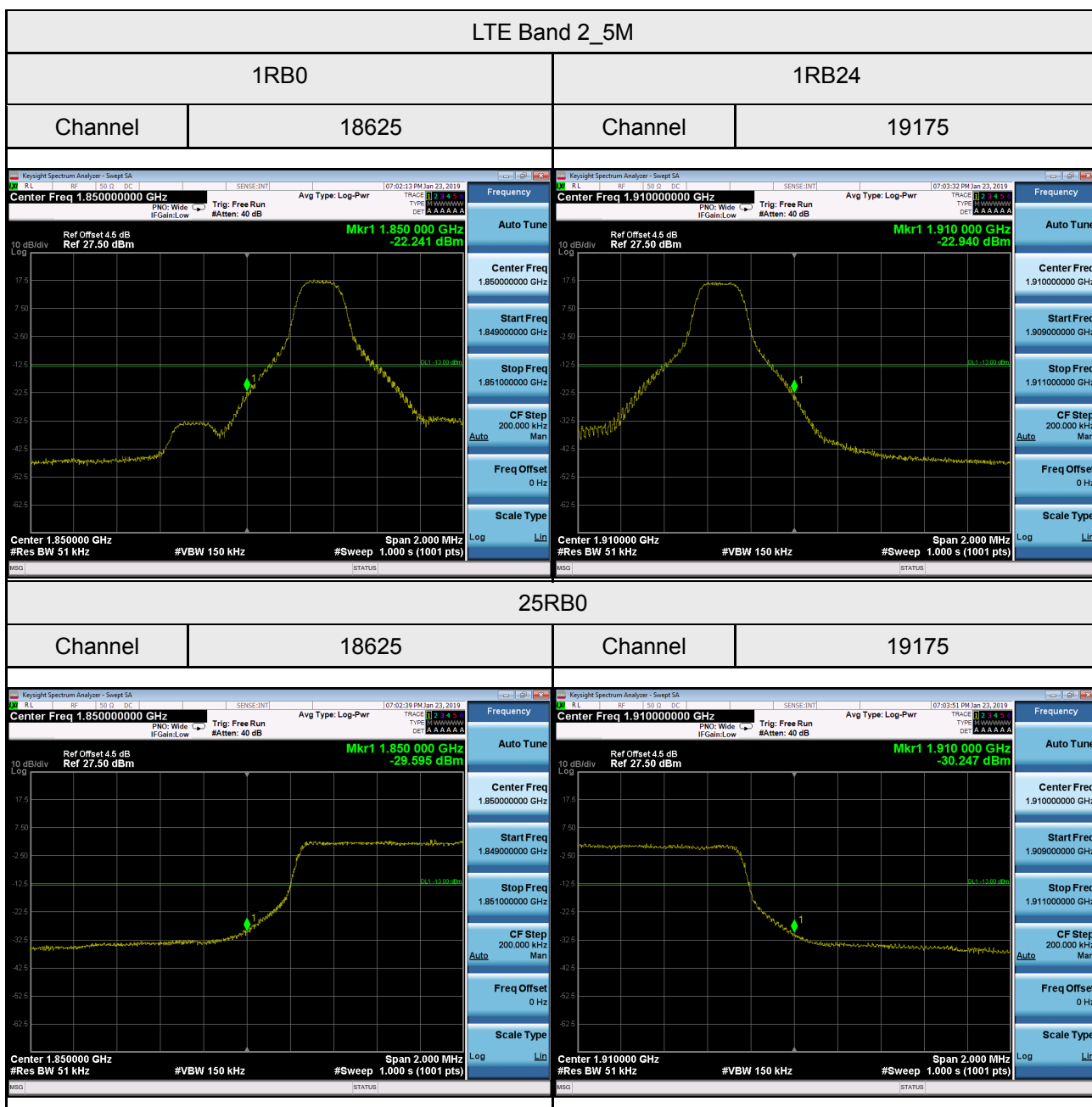
Channel

18615

Channel

19185





LTE Band 2_10M

1RB0

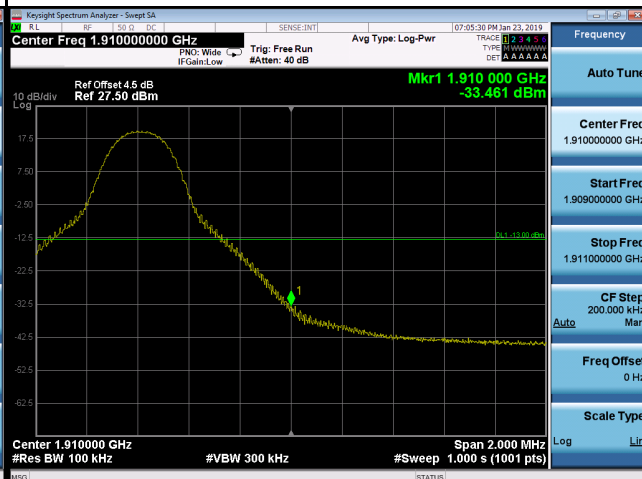
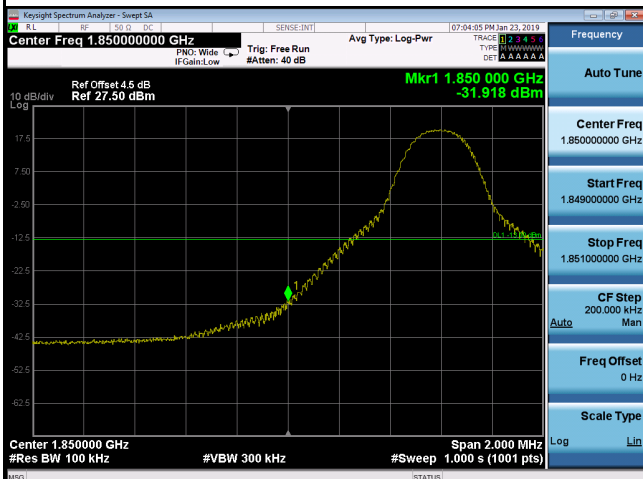
1RB49

Channel

18650

Channel

19150



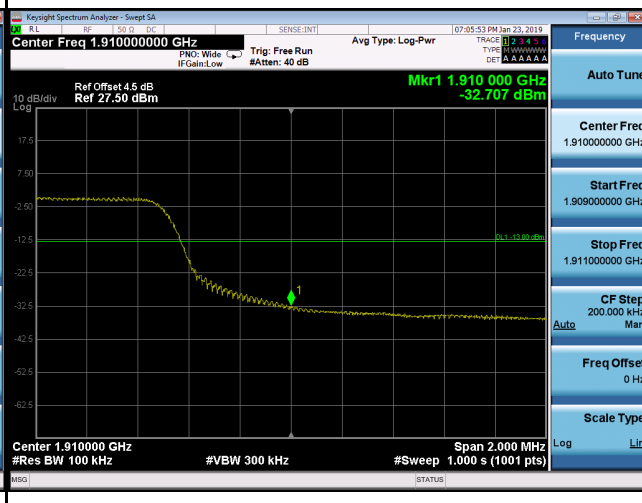
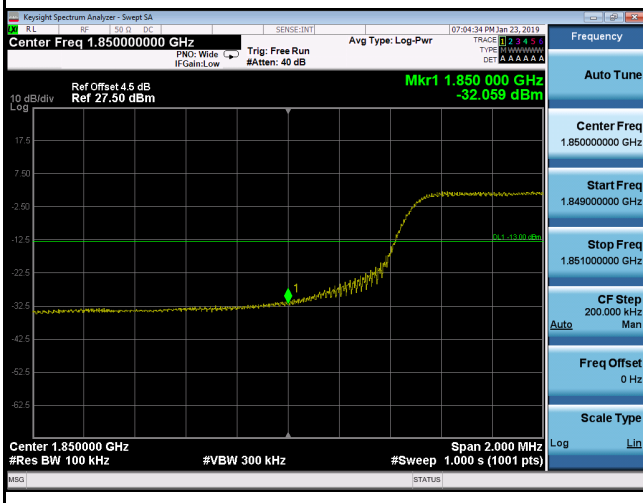
50RB0

Channel

18650

Channel

19150



LTE Band 2_15M

1RB0

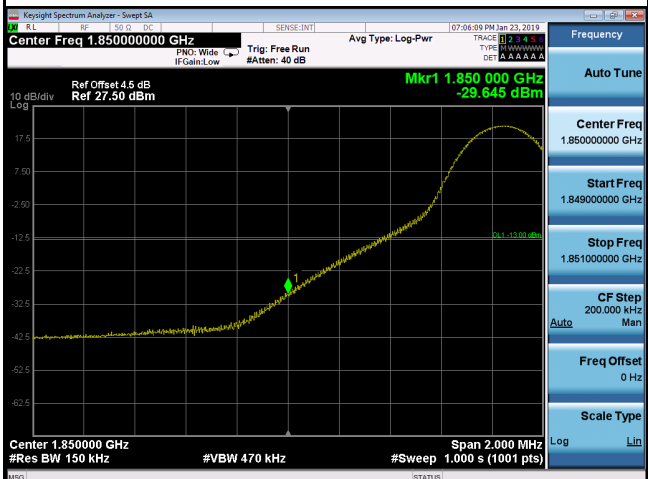
1RB74

Channel

18675

Channel

19125



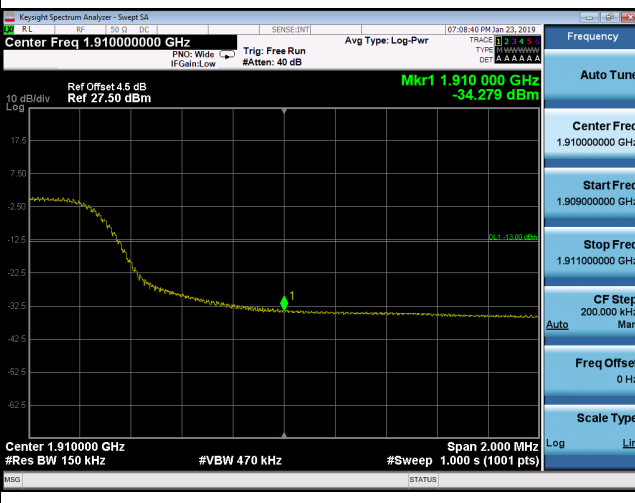
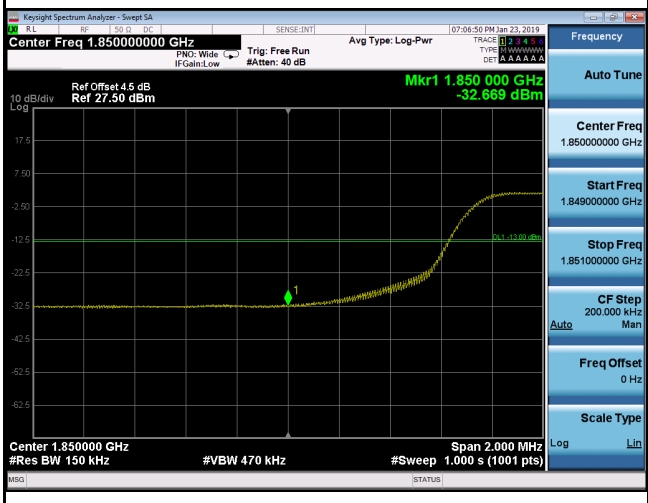
75RB0

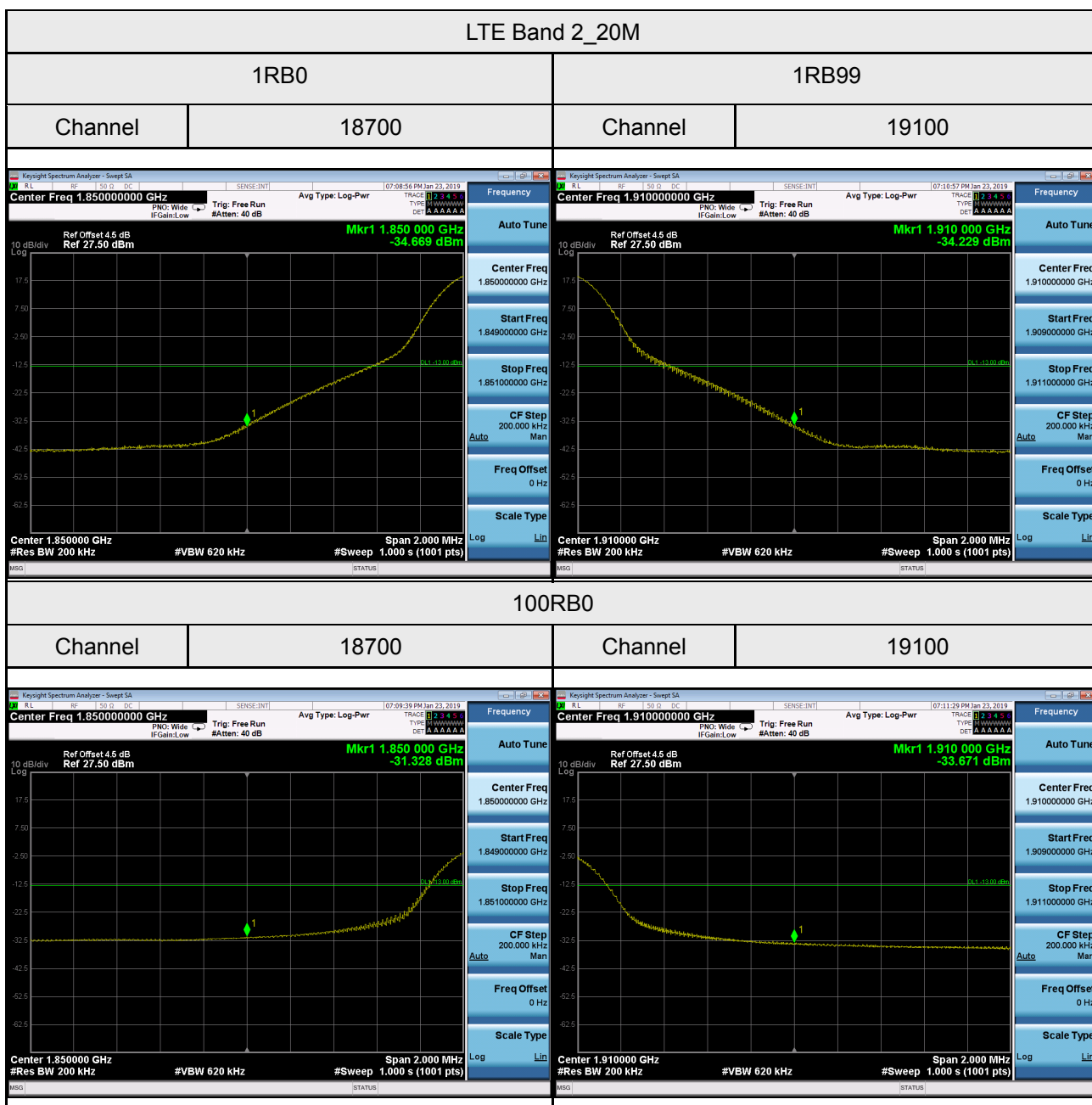
Channel

18675

Channel

19125

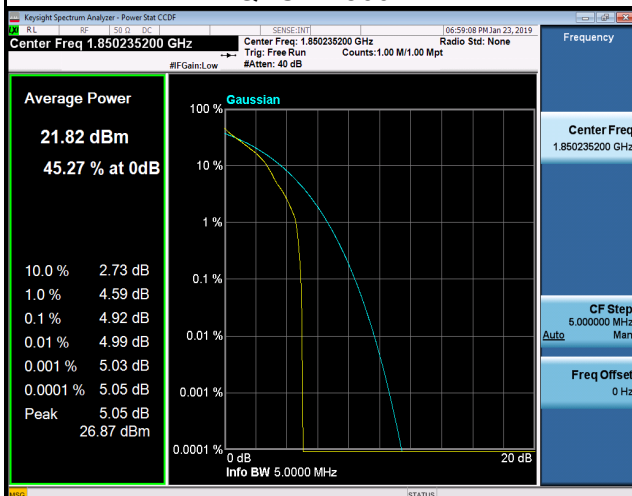




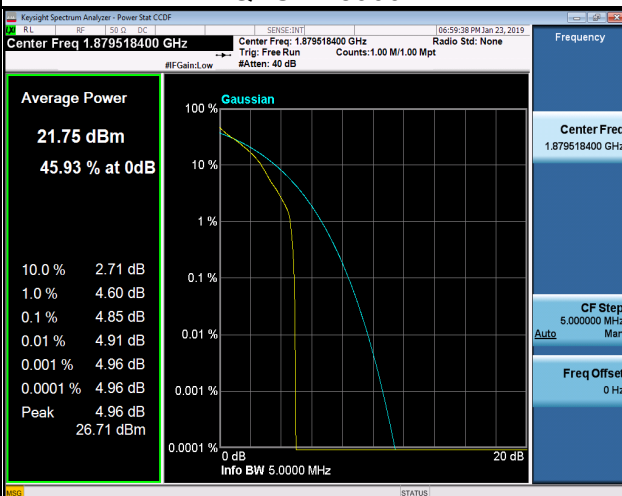
APPENDIX H - PEAK TO AVERAGE RATIO

LTE Band 2 Spectrum Plot_1.4M

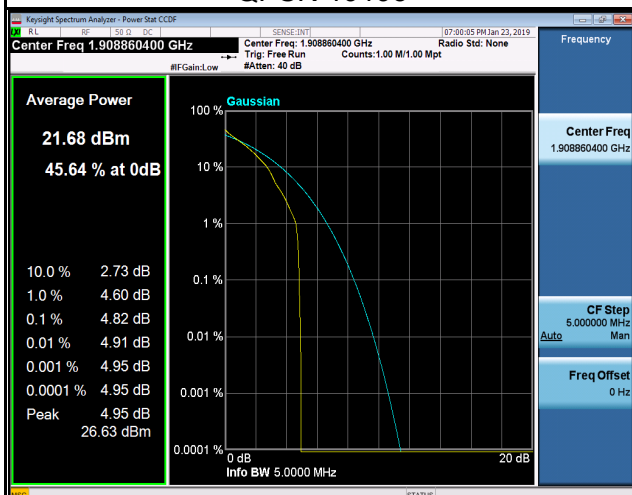
QPSK-18607



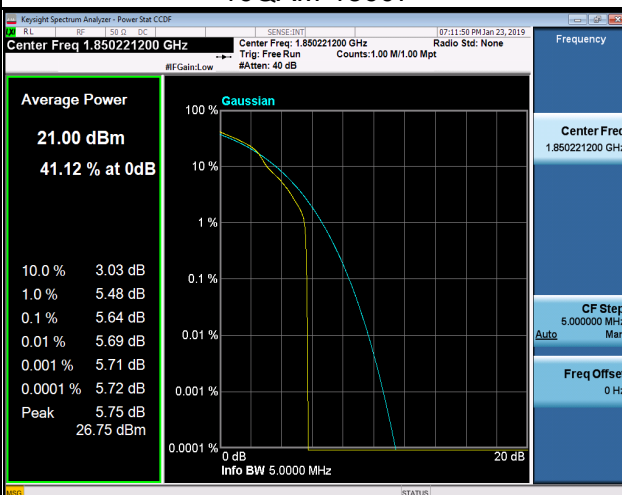
QPSK-18900



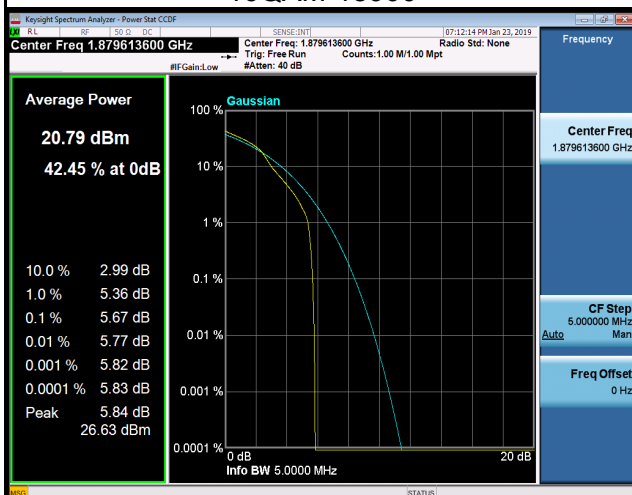
QPSK-19193



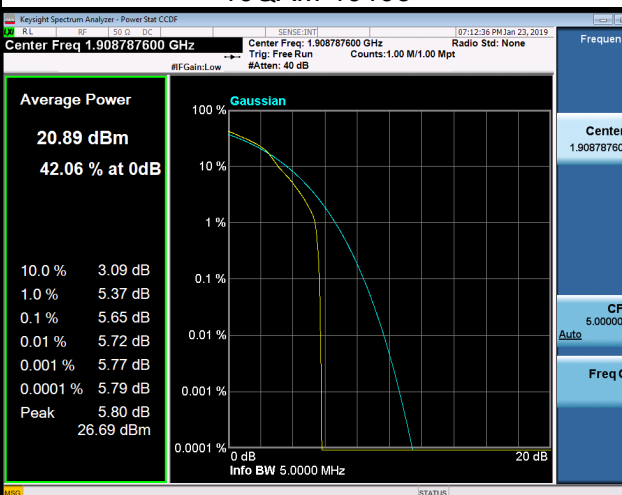
16QAM-18607



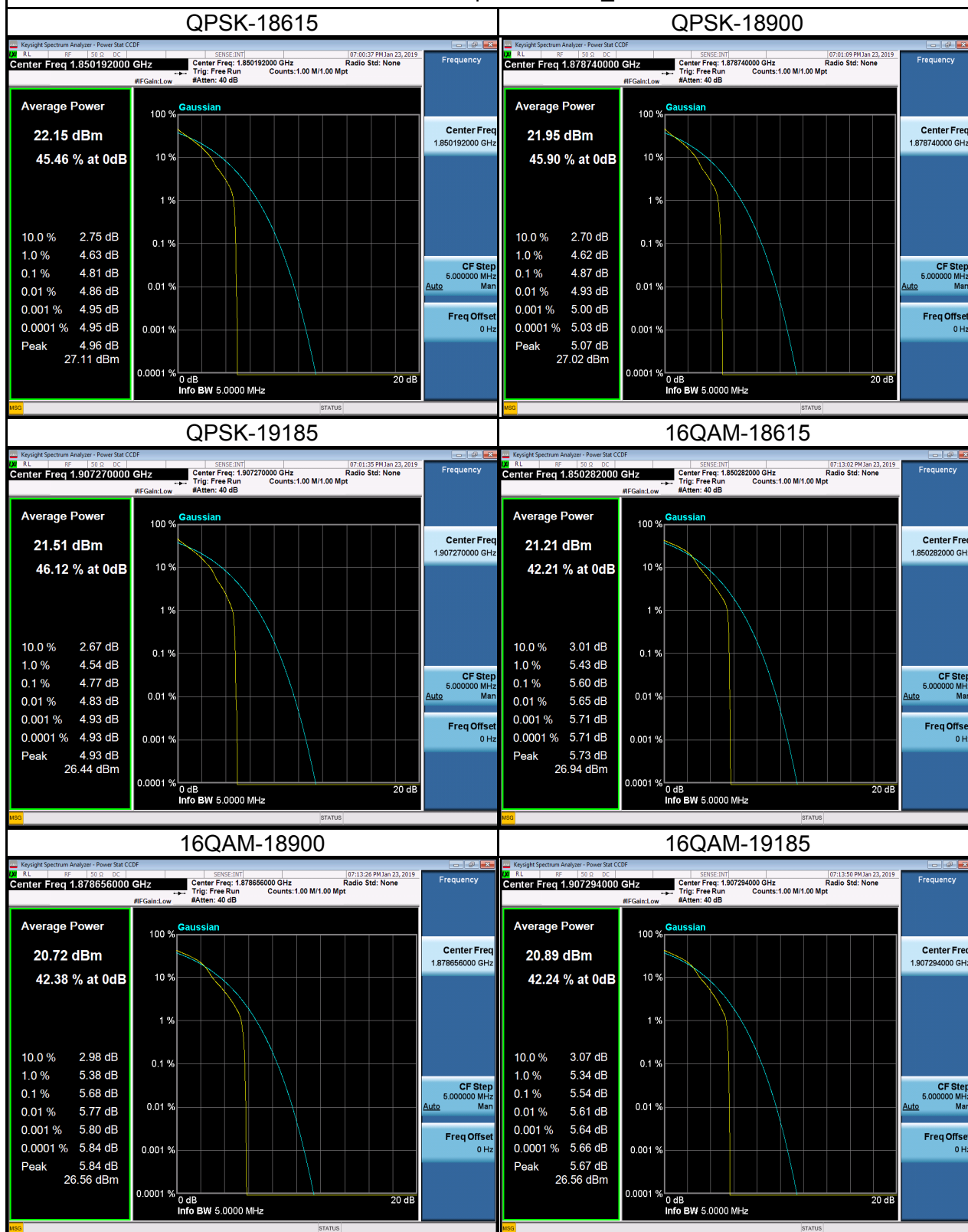
16QAM-18900



16QAM-19193

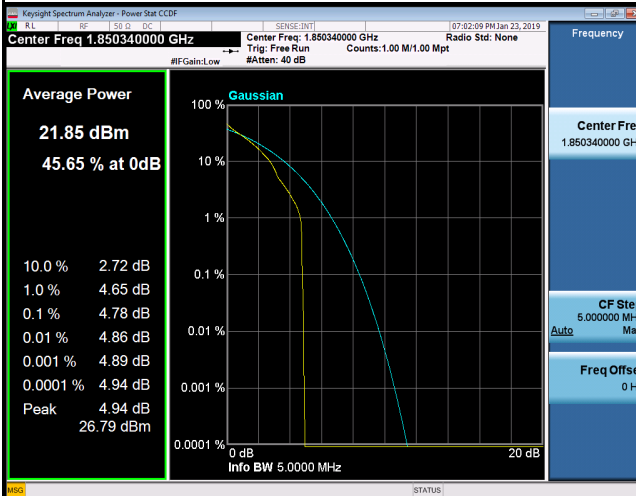


LTE Band 2 Spectrum Plot_3M

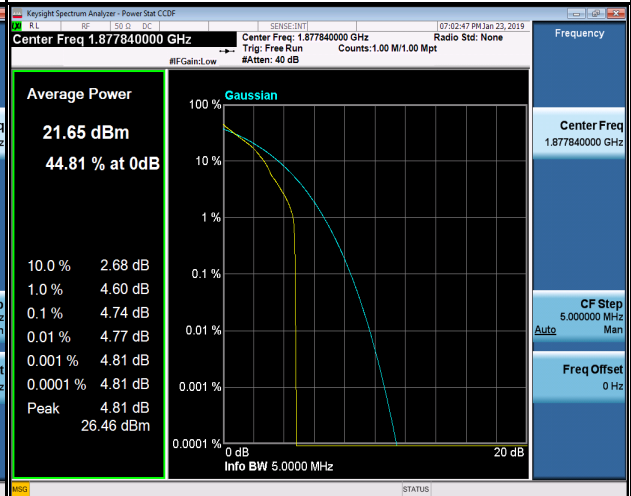


LTE Band 2 Spectrum Plot_5M

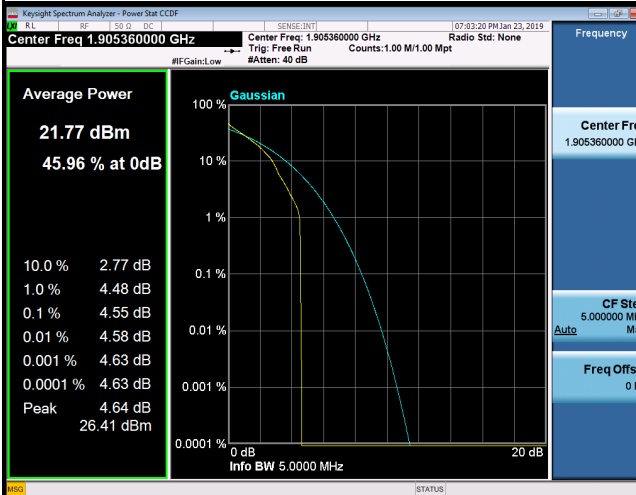
QPSK-18625



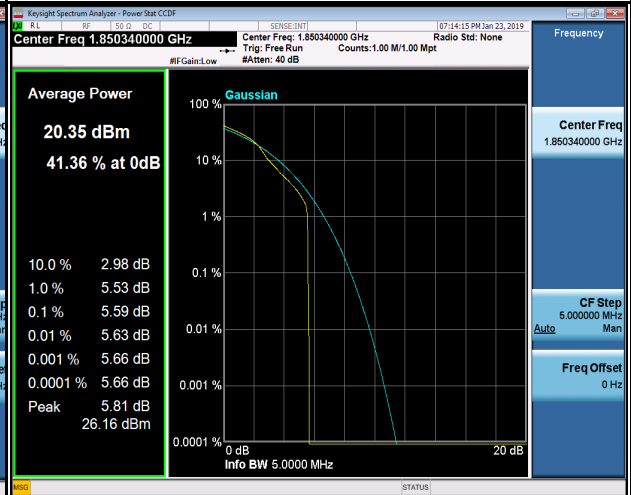
QPSK-18900



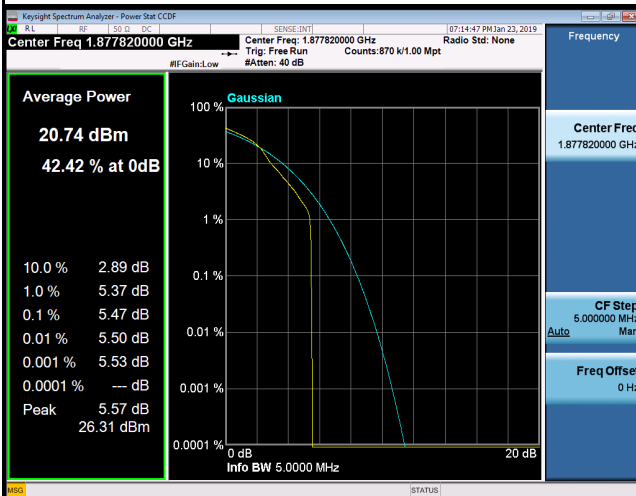
QPSK-19175



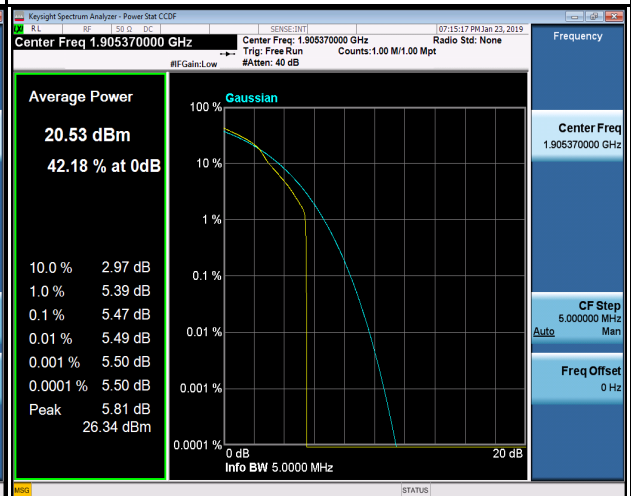
16QAM-18625



16QAM-18900



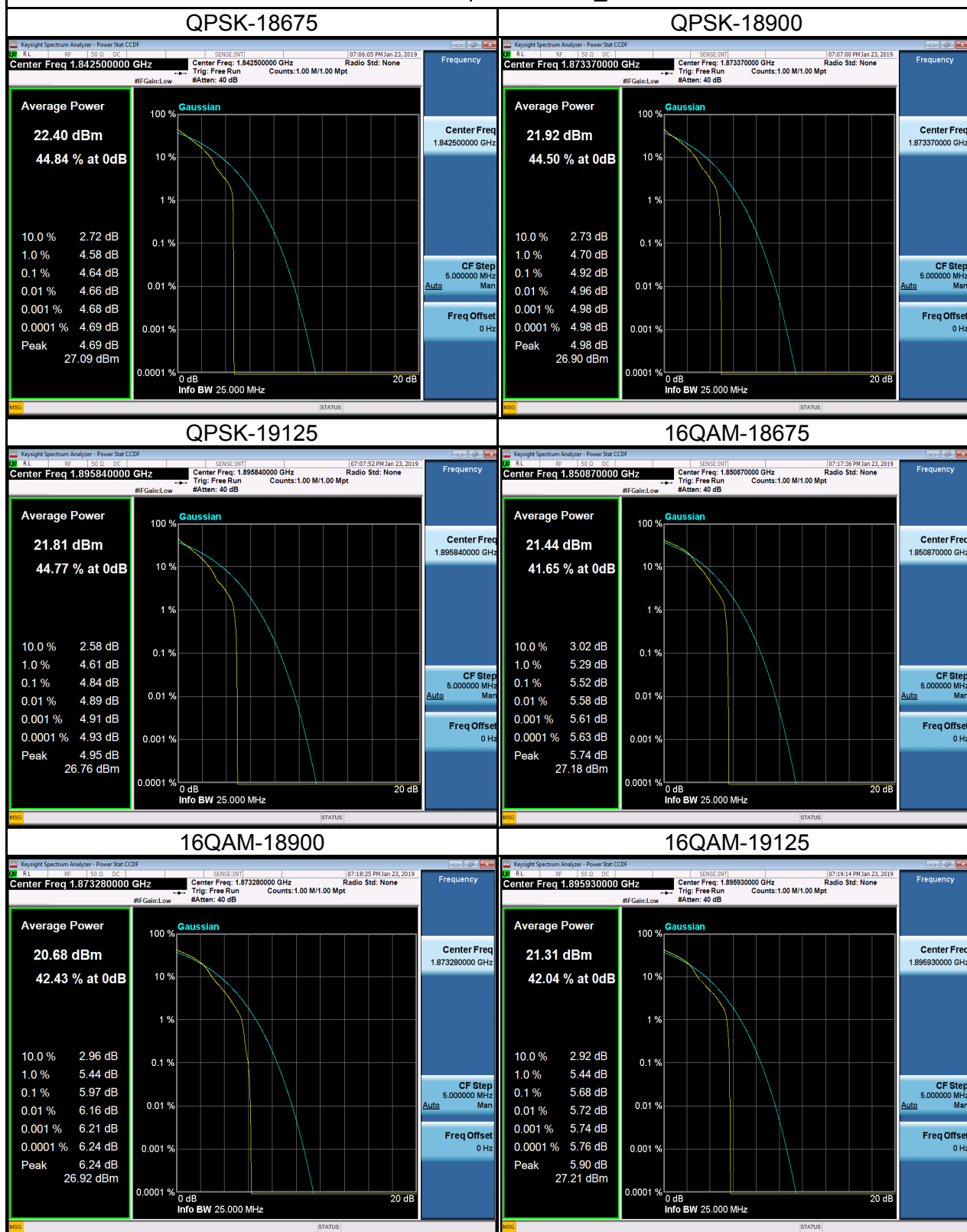
16QAM-19175



LTE Band 2 Spectrum Plot_10M



LTE Band 2 Spectrum Plot_15M



LTE Band 2 Spectrum Plot_20M



APPENDIX I - FREQUENCY STABILITY

Test Mode:	LTE Band 2_CH18900_1.4M
------------	-------------------------

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
------------	-----------------------

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
------------	-----------------------

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
------------	------------------------

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
------------	------------------------

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
------------	------------------------

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