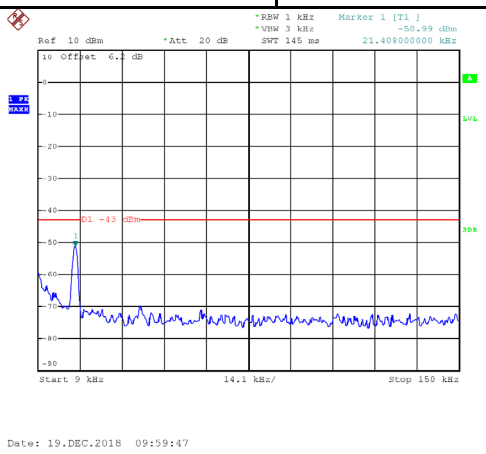
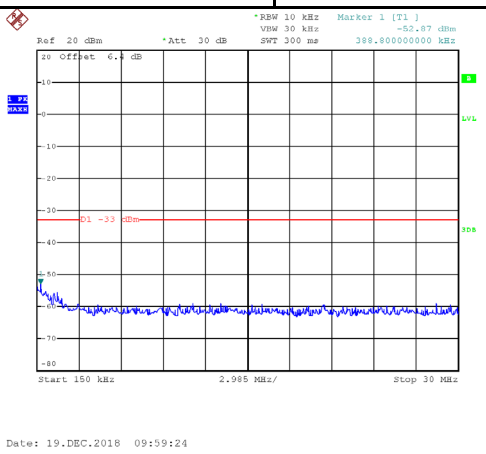
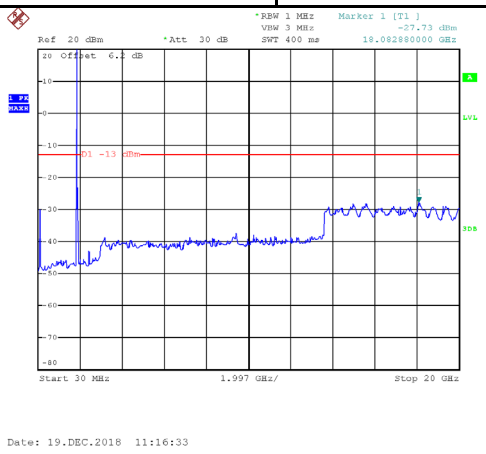
<table>
<tr><th colspan="4">LTE Band 2_20M</th></tr>
<tr><td>Channel</td><td>Frequency(MHz)</td><td>Channel</td><td>Frequency(MHz)</td></tr>
<tr><td>18900</td><td>1880</td><td>18900</td><td>1880</td></tr>
<tr><td colspan="2"> 
</td><td colspan="2"> 
</td></tr>
<tr><td>Channel</td><td>Frequency(MHz)</td><td>-</td><td>-</td></tr>
<tr><td>18900</td><td>1880</td><td>-</td><td>-</td></tr>
<tr><td colspan="2"> 
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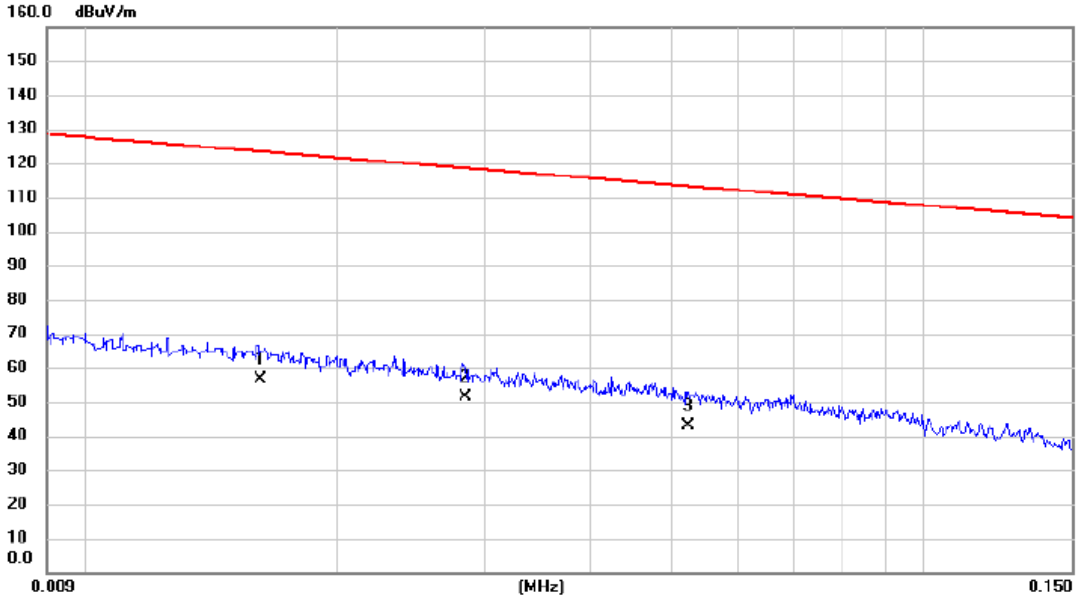
APPENDIX D - RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode:	TX Mode

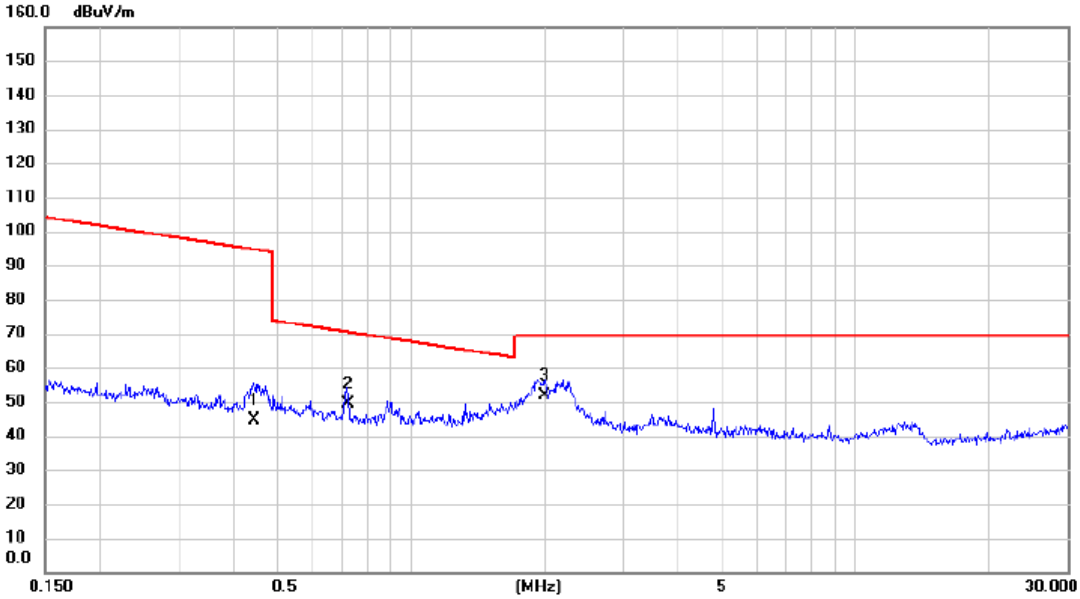
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0162	36.20	20.55	56.75	123.41	-66.66	AVG	
2		0.0284	31.60	19.88	51.48	118.54	-67.06	AVG	
3		0.0524	23.70	19.48	43.18	113.22	-70.04	AVG	

Test Mode:	TX Mode

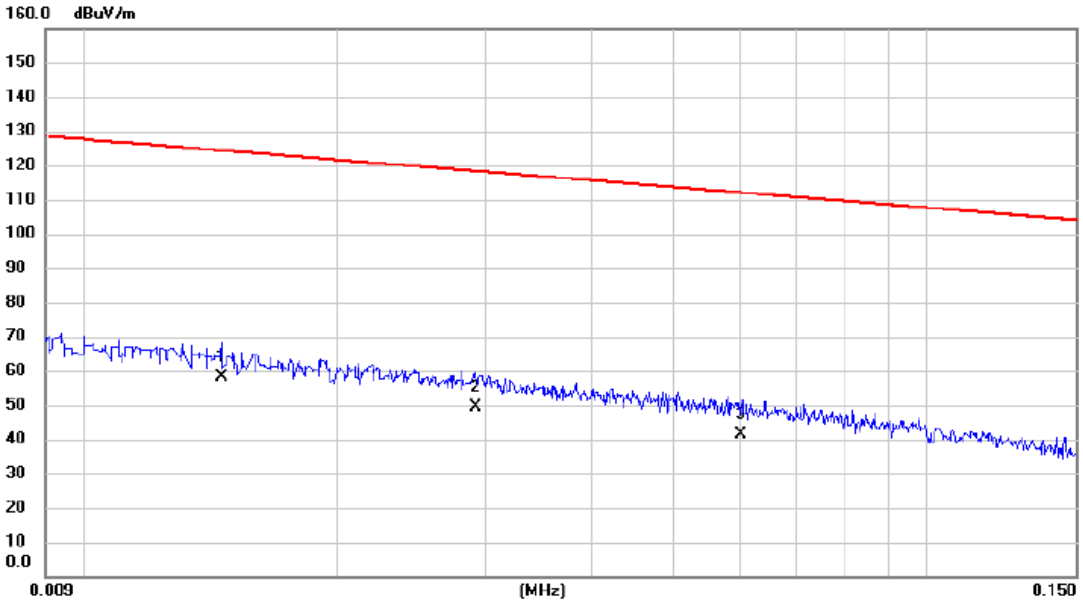
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4421	27.50	16.98	44.48	94.69	-50.21	AVG	
2		0.7198	32.40	16.89	49.29	70.46	-21.17	QP	
3	*	2.0011	34.50	17.12	51.62	69.54	-17.92	QP	

Test Mode:	TX Mode

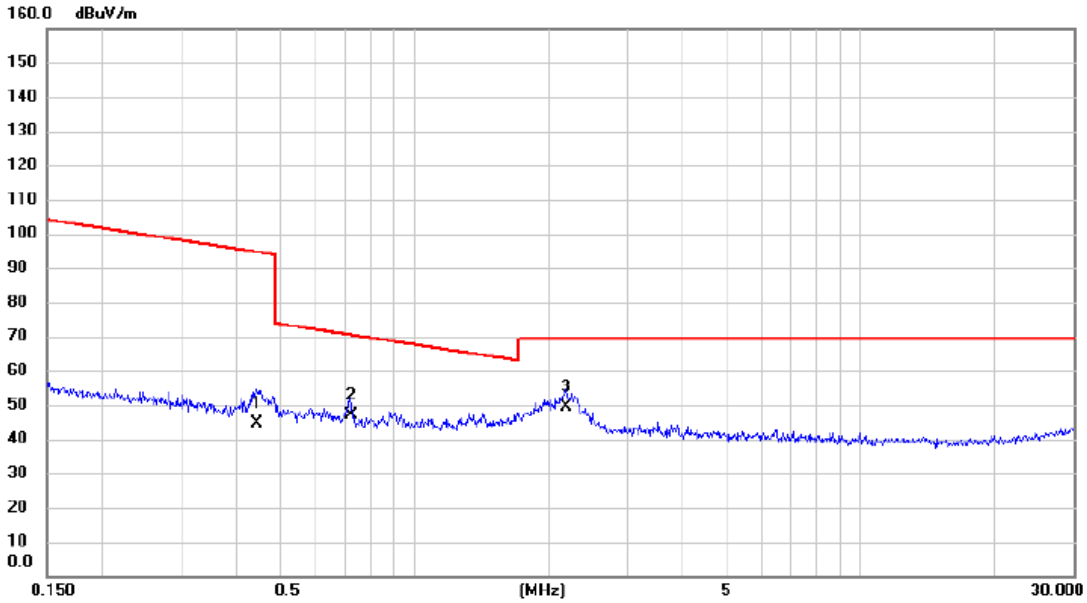
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0146	37.60	20.78	58.38	124.32	-65.94	AVG	
2		0.0292	29.40	19.87	49.27	118.30	-69.03	AVG	
3		0.0601	22.20	19.33	41.53	112.03	-70.50	AVG	

Test Mode:	TX Mode

Ant 90°

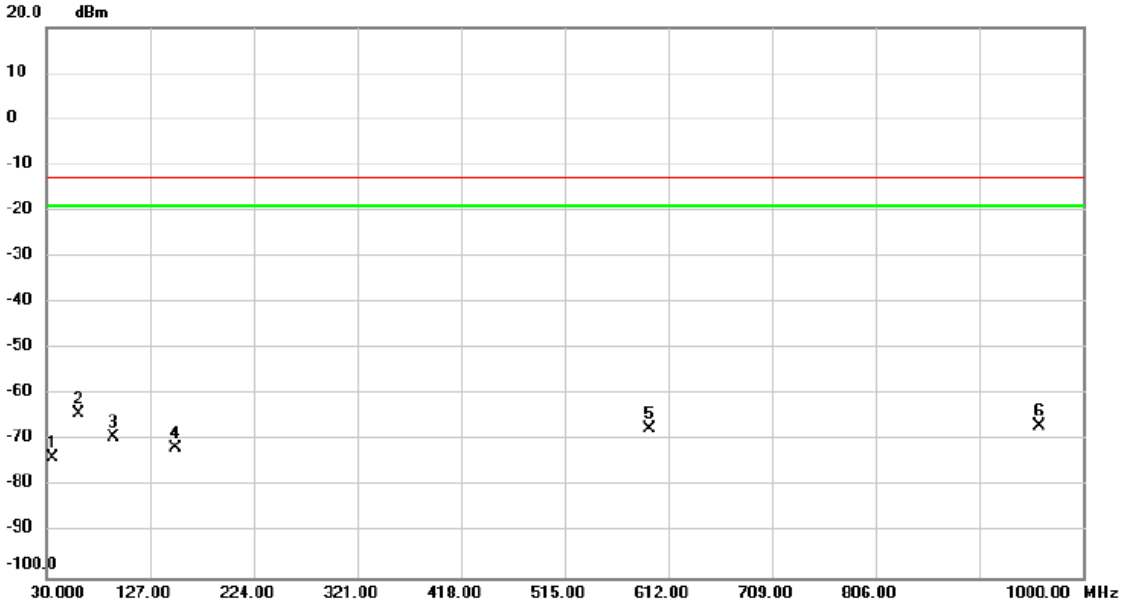


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4421	27.60	16.98	44.58	94.69	-50.11	AVG	
2		0.7198	30.20	16.89	47.09	70.46	-23.37	QP	
3	*	2.1898	32.40	17.01	49.41	69.54	-20.13	QP	

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

Test Mode:	PCS1900_TX CH661_GSM

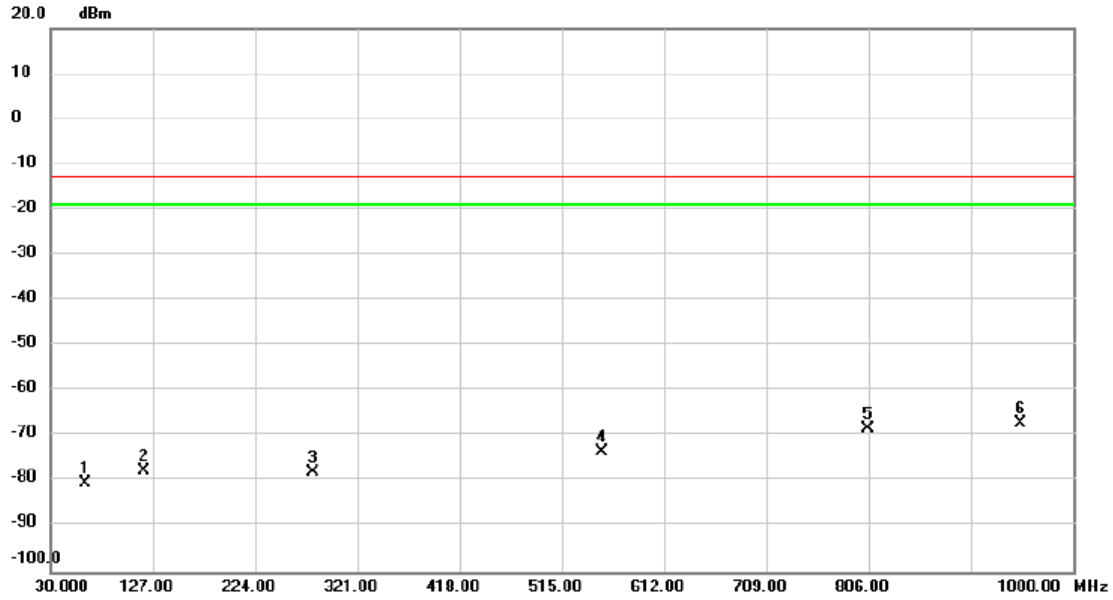
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		36.305	-58.93	-14.93	-73.86	-13.00	-60.86	peak	
2	*	60.555	-48.47	-15.78	-64.25	-13.00	-51.25	peak	
3		92.080	-49.91	-19.28	-69.19	-13.00	-56.19	peak	
4		150.280	-60.03	-11.47	-71.50	-13.00	-58.50	peak	
5		595.025	-61.12	-6.22	-67.34	-13.00	-54.34	peak	
6		958.775	-68.16	1.21	-66.95	-13.00	-53.95	peak	

Test Mode:	PCS1900_TX CH661_GSM

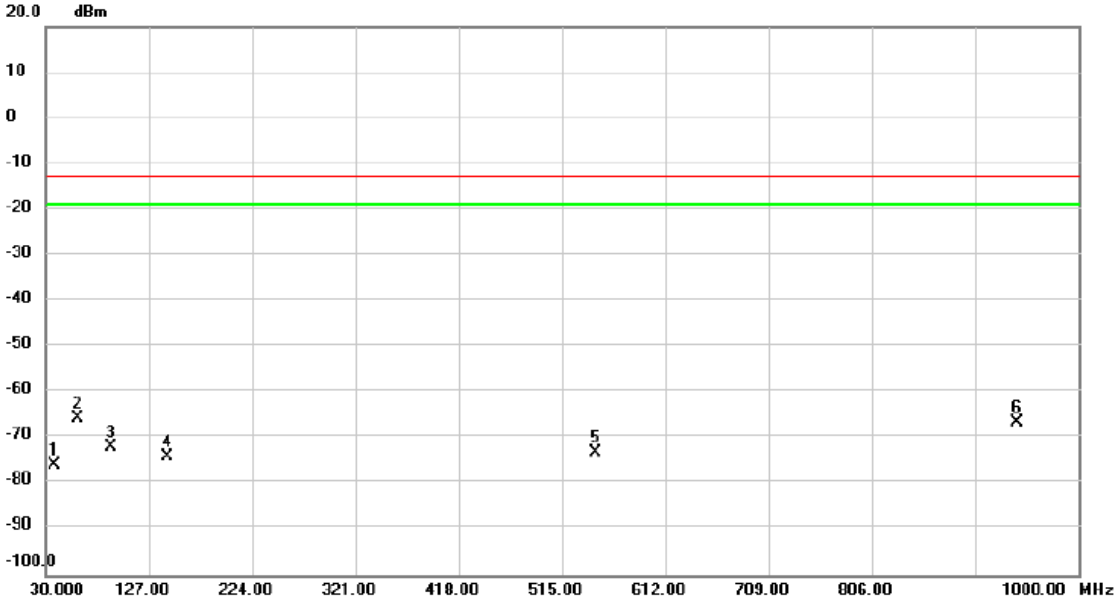
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		62.980	-64.02	-16.20	-80.22	-13.00	-67.22	peak	
2		118.270	-62.76	-14.97	-77.73	-13.00	-64.73	peak	
3		279.290	-66.68	-11.42	-78.10	-13.00	-65.10	peak	
4		552.830	-67.90	-5.52	-73.42	-13.00	-60.42	peak	
5		805.515	-67.09	-1.13	-68.22	-13.00	-55.22	peak	
6	*	950.530	-68.42	1.40	-67.02	-13.00	-54.02	peak	

Test Mode:	PCS1900_TX CH661_EDGE

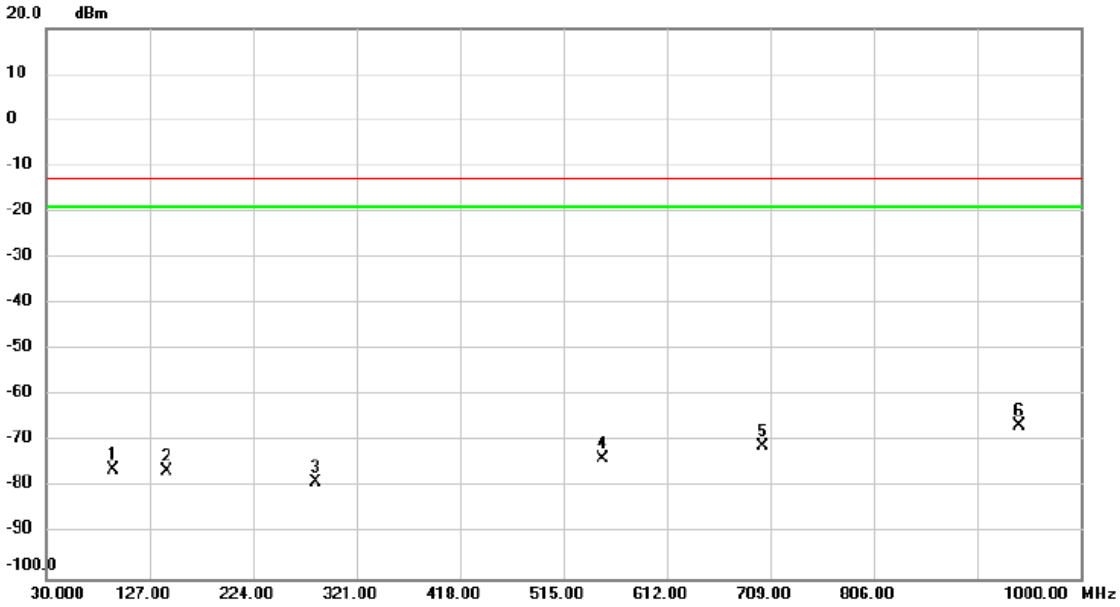
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		37.760	-61.04	-14.71	-75.75	-13.00	-62.75	peak	
2	*	60.555	-49.85	-15.78	-65.63	-13.00	-52.63	peak	
3		91.595	-52.77	-19.32	-72.09	-13.00	-59.09	peak	
4		144.460	-62.10	-11.83	-73.93	-13.00	-60.93	peak	
5		546.040	-67.49	-5.71	-73.20	-13.00	-60.20	peak	
6		941.800	-67.63	1.07	-66.56	-13.00	-53.56	peak	

Test Mode:	PCS1900_TX CH661_EDGE

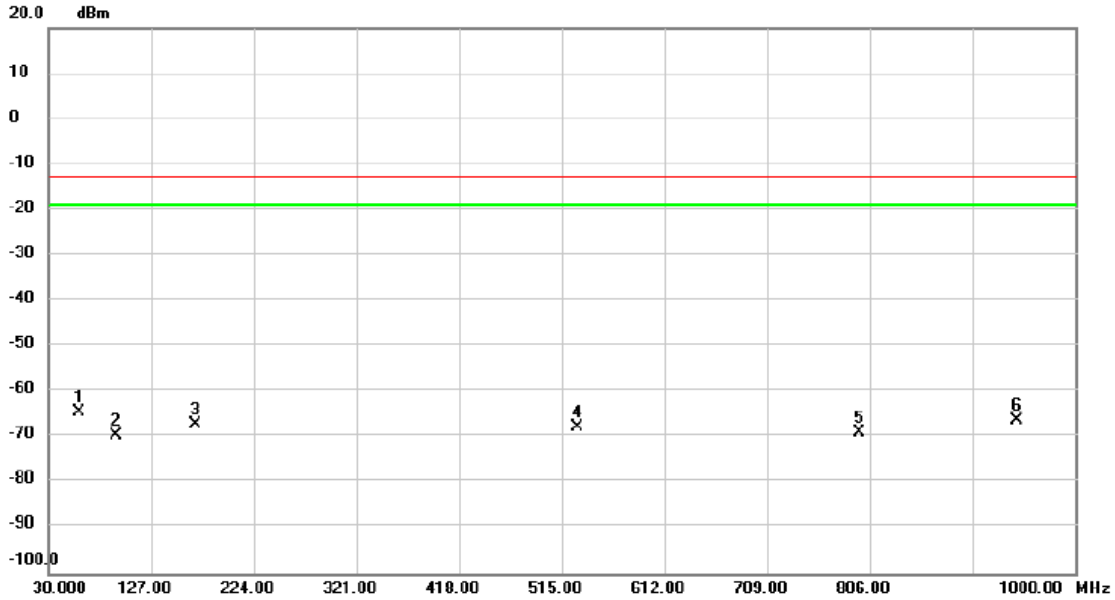
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		92.565	-57.04	-19.23	-76.27	-13.00	-63.27	peak	
2		143.005	-64.46	-11.91	-76.37	-13.00	-63.37	peak	
3		283.170	-67.49	-11.21	-78.70	-13.00	-65.70	peak	
4		551.860	-68.31	-5.49	-73.80	-13.00	-60.80	peak	
5		701.240	-68.27	-2.78	-71.05	-13.00	-58.05	peak	
6	*	941.800	-67.63	1.07	-66.56	-13.00	-53.56	peak	

Test Mode:	WCDMA Band II_TX CH9400

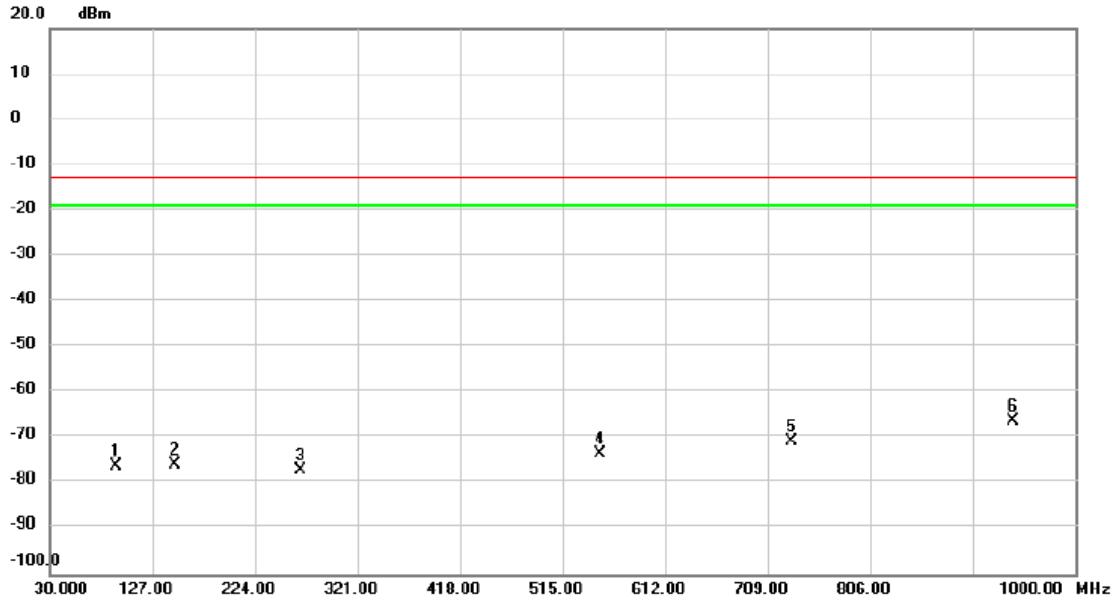
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	58.615	-48.98	-15.48	-64.46	-13.00	-51.46	peak	
2		94.505	-50.58	-19.06	-69.64	-13.00	-56.64	peak	
3		169.195	-55.95	-11.15	-67.10	-13.00	-54.10	peak	
4		529.550	-61.14	-6.72	-67.86	-13.00	-54.86	peak	
5		796.300	-67.67	-1.26	-68.93	-13.00	-55.93	peak	
6		944.710	-67.58	1.20	-66.38	-13.00	-53.38	peak	

Test Mode:	WCDMA Band II_TX CH9400

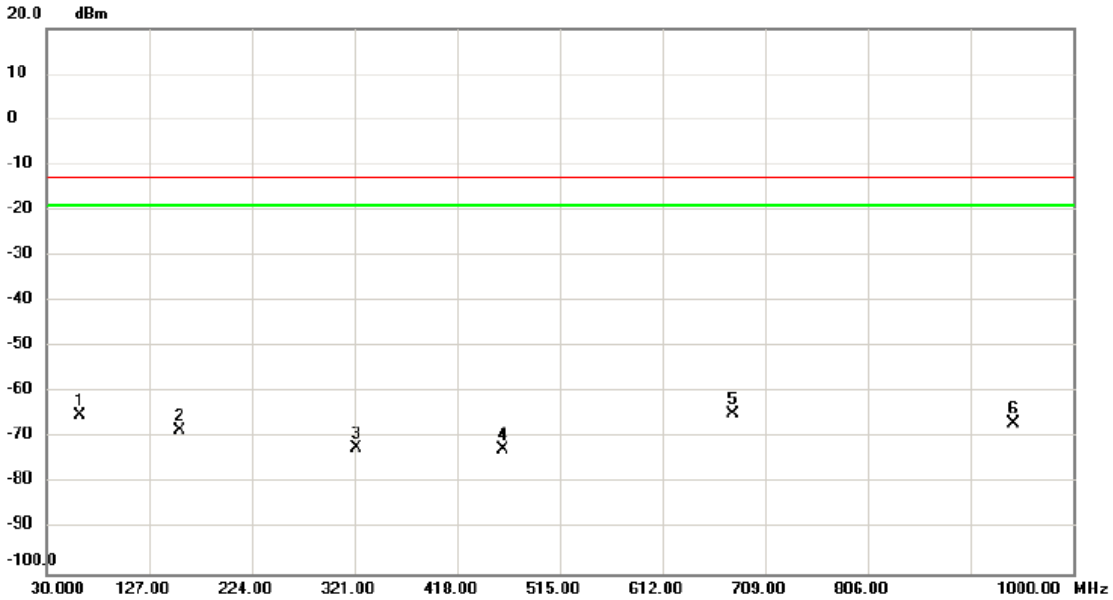
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		92.565	-57.00	-19.23	-76.23	-13.00	-63.23	peak	
2		148.340	-64.16	-11.59	-75.75	-13.00	-62.75	peak	
3		266.680	-64.31	-12.85	-77.16	-13.00	-64.16	peak	
4		550.405	-68.06	-5.48	-73.54	-13.00	-60.54	peak	
5		731.795	-67.31	-3.56	-70.87	-13.00	-57.87	peak	
6	*	940.830	-67.34	1.04	-66.30	-13.00	-53.30	peak	

Test Mode:	LTE Band 2_TX CH18900_1.4M

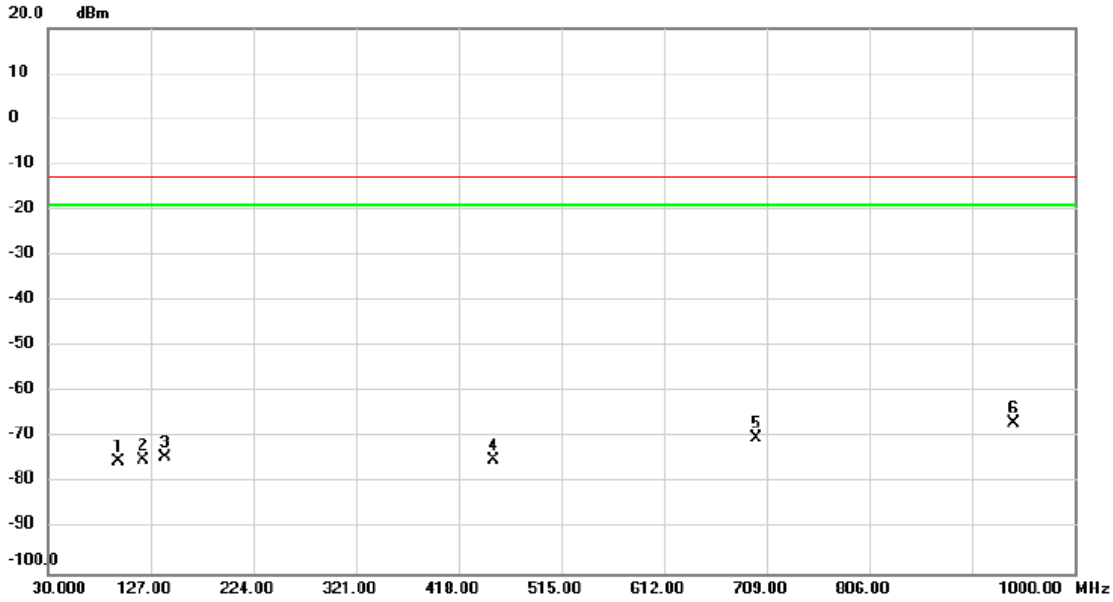
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		61.040	-49.16	-15.86	-65.02	-13.00	-52.02	peak	
2		156.100	-57.34	-10.94	-68.28	-13.00	-55.28	peak	
3		322.455	-61.49	-10.68	-72.17	-13.00	-59.17	peak	
4		461.165	-64.85	-7.66	-72.51	-13.00	-59.51	peak	
5	*	678.930	-60.95	-3.77	-64.72	-13.00	-51.72	peak	
6		944.225	-67.95	1.17	-66.78	-13.00	-53.78	peak	

Test Mode:	LTE Band 2_TX CH18900_1.4M

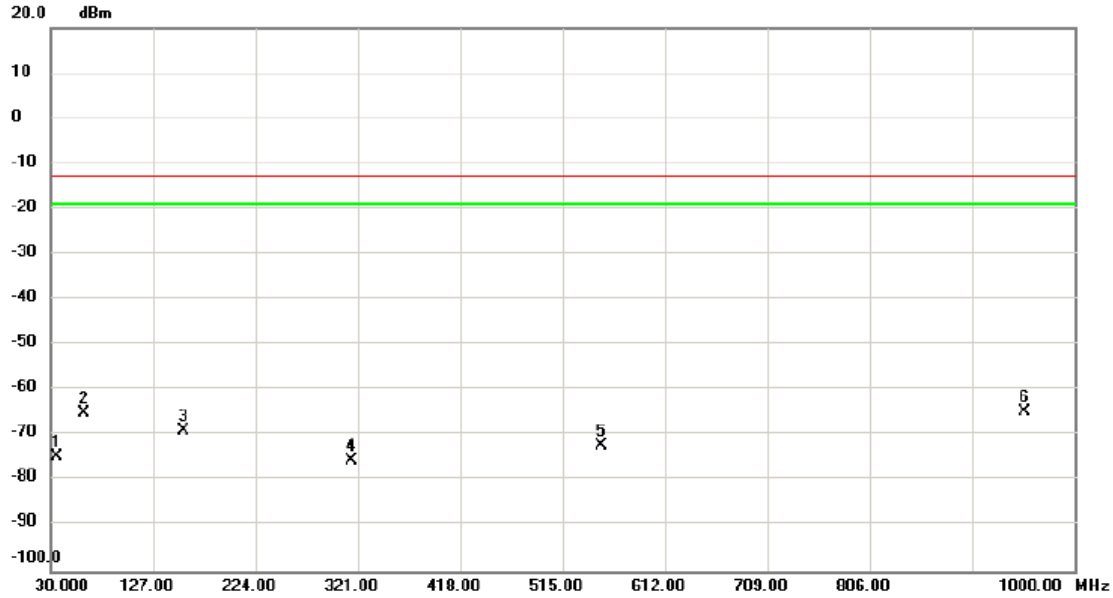
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		96.930	-56.47	-18.73	-75.20	-13.00	-62.20	peak	
2		119.240	-60.09	-14.80	-74.89	-13.00	-61.89	peak	
3		140.095	-62.27	-12.09	-74.36	-13.00	-61.36	peak	
4		450.980	-67.67	-7.42	-75.09	-13.00	-62.09	peak	
5		699.300	-67.31	-2.78	-70.09	-13.00	-57.09	peak	
6	*	941.800	-67.83	1.07	-66.76	-13.00	-53.76	peak	

Test Mode:	LTE Band 2_ TX CH18900_5M

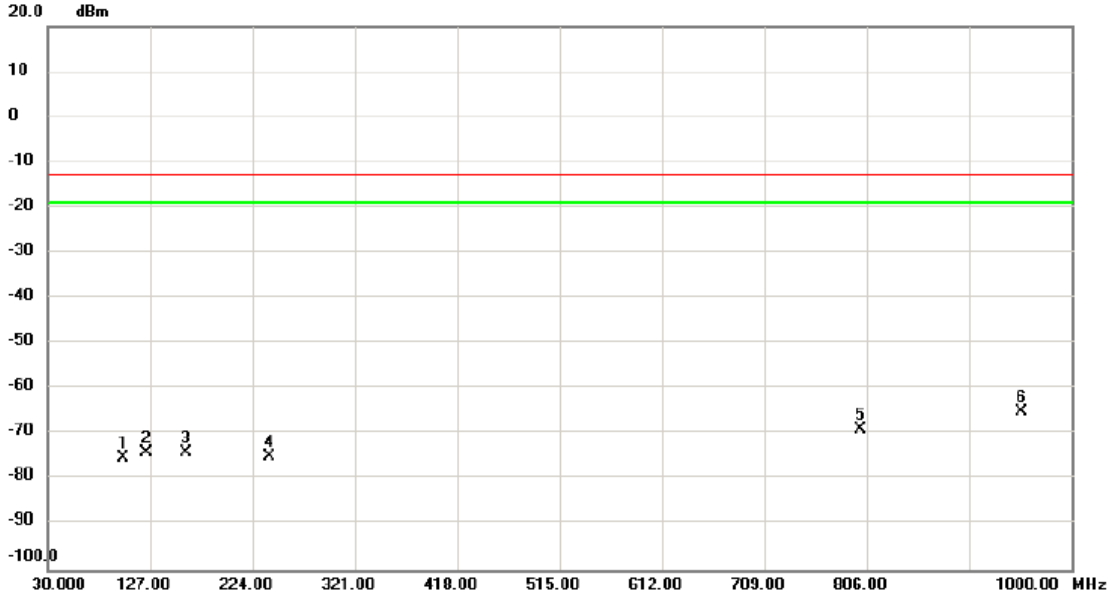
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		36.305	-59.57	-14.93	-74.50	-13.00	-61.50	peak	
2		62.010	-48.88	-16.02	-64.90	-13.00	-51.90	peak	
3		155.615	-57.92	-10.99	-68.91	-13.00	-55.91	peak	
4		314.695	-65.03	-10.58	-75.61	-13.00	-62.61	peak	
5		551.860	-66.63	-5.49	-72.12	-13.00	-59.12	peak	
6	*	952.955	-66.06	1.34	-64.72	-13.00	-51.72	peak	

Test Mode:	LTE Band 2_ TX CH18900_5M

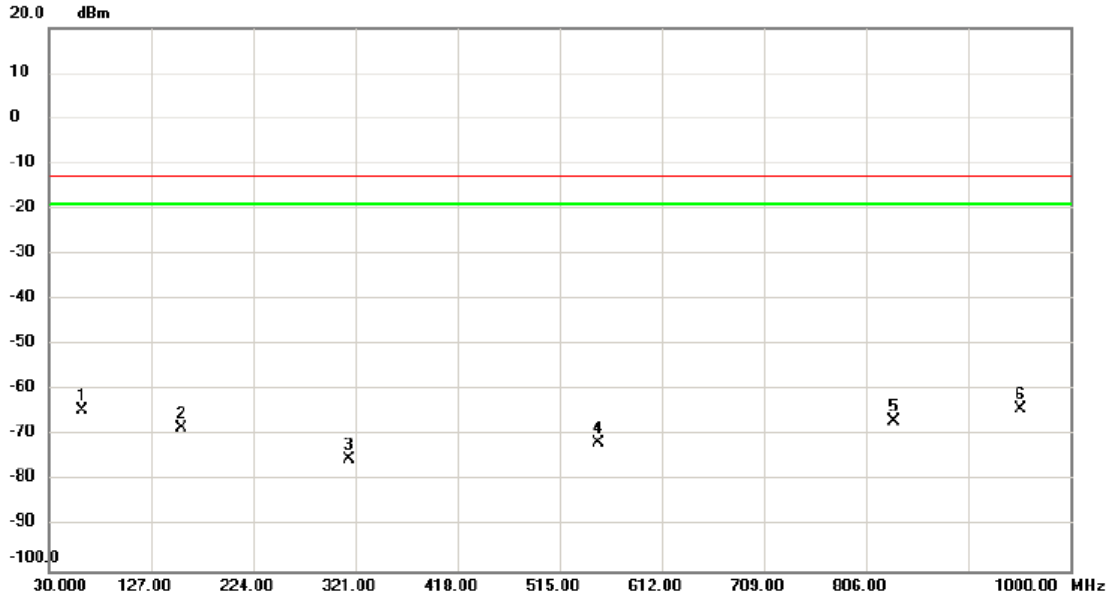
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		101.295	-57.21	-18.02	-75.23	-13.00	-62.23	peak	
2		124.090	-60.02	-14.16	-74.18	-13.00	-61.18	peak	
3		160.950	-63.34	-10.66	-74.00	-13.00	-61.00	peak	
4		240.005	-60.26	-14.67	-74.93	-13.00	-61.93	peak	
5		800.665	-67.92	-1.05	-68.97	-13.00	-55.97	peak	
6	*	952.955	-66.51	1.34	-65.17	-13.00	-52.17	peak	

Test Mode:	LTE Band 2_TX CH18900_20M

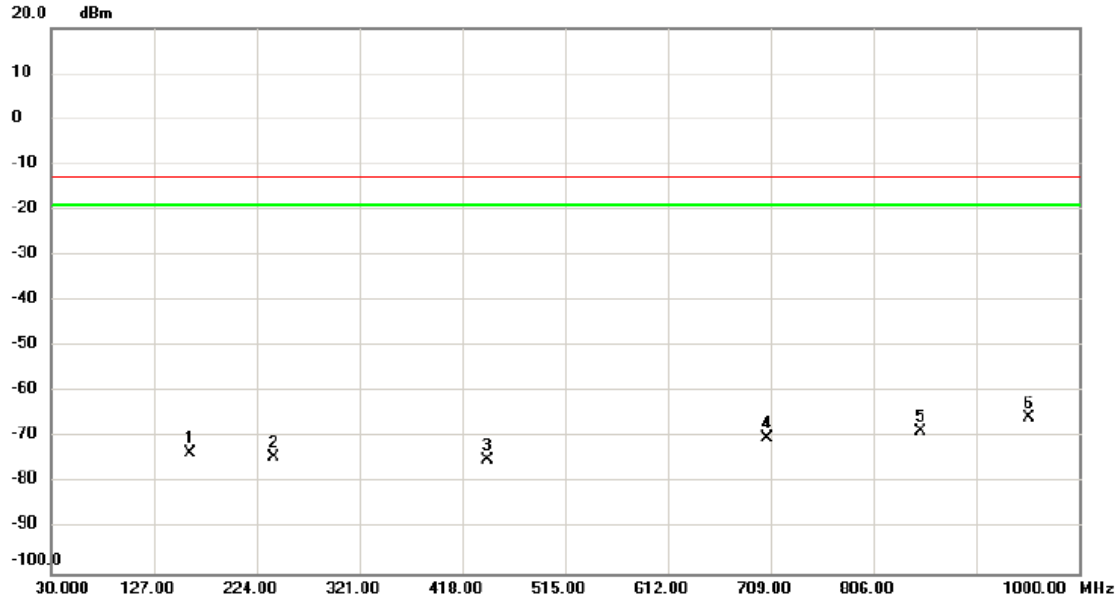
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		62.010	-48.38	-16.02	-64.40	-13.00	-51.40	peak	
2		155.615	-57.42	-10.99	-68.41	-13.00	-55.41	peak	
3		314.695	-64.53	-10.58	-75.11	-13.00	-62.11	peak	
4		551.860	-66.13	-5.49	-71.62	-13.00	-58.62	peak	
5		832.190	-65.29	-1.54	-66.83	-13.00	-53.83	peak	
6	*	952.955	-65.56	1.34	-64.22	-13.00	-51.22	peak	

Test Mode:	LTE Band 2_TX CH18900_20M

Horizontal

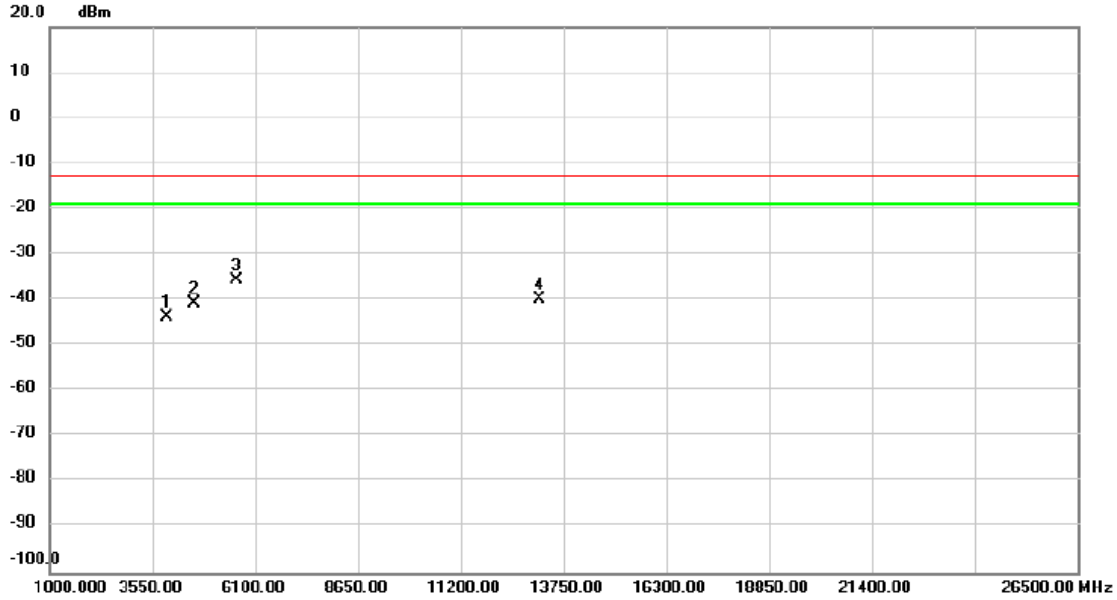


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		160.950	-62.84	-10.66	-73.50	-13.00	-60.50	peak	
2		240.005	-59.76	-14.67	-74.43	-13.00	-61.43	peak	
3		442.250	-67.24	-7.71	-74.95	-13.00	-61.95	peak	
4		705.120	-67.34	-2.87	-70.21	-13.00	-57.21	peak	
5		850.620	-66.99	-1.80	-68.79	-13.00	-55.79	peak	
6	*	952.955	-67.01	1.34	-65.67	-13.00	-52.67	peak	

APPENDIX F - RADIATED EMISSION (ABOVE 1GHZ)

Test Mode:	PCS1900_TX CH661_GSM

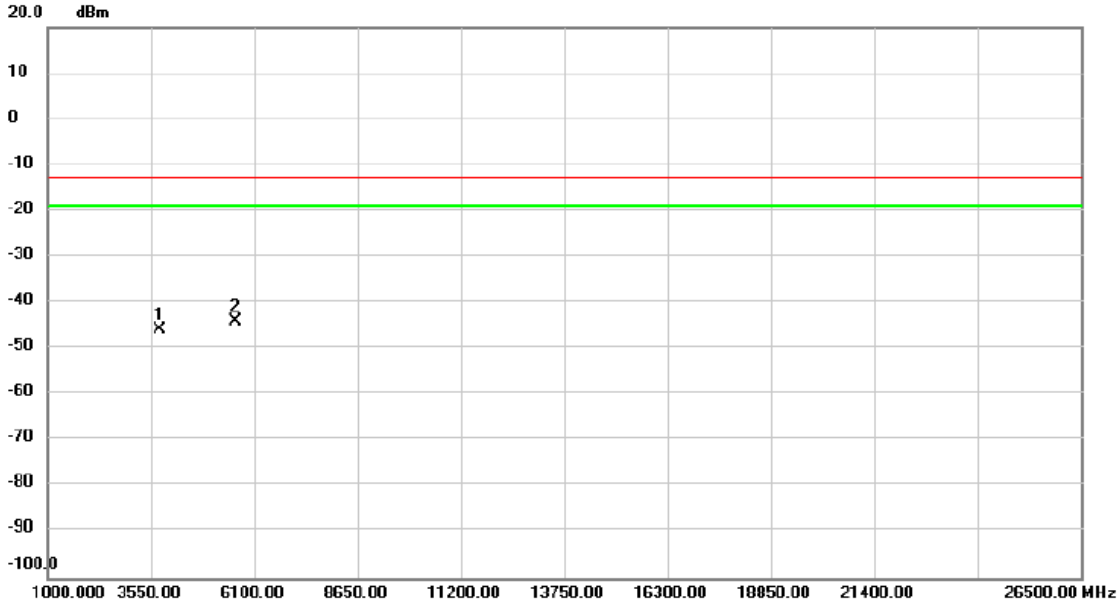
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		3919.750	-45.95	2.13	-43.82	-13.00	-30.82	peak	
2		4595.500	-44.42	3.75	-40.67	-13.00	-27.67	peak	
3	*	5641.000	-41.91	6.19	-35.72	-13.00	-22.72	peak	
4		13163.500	-56.51	16.66	-39.85	-13.00	-26.85	peak	

Test Mode:	PCS1900_TX CH661_GSM

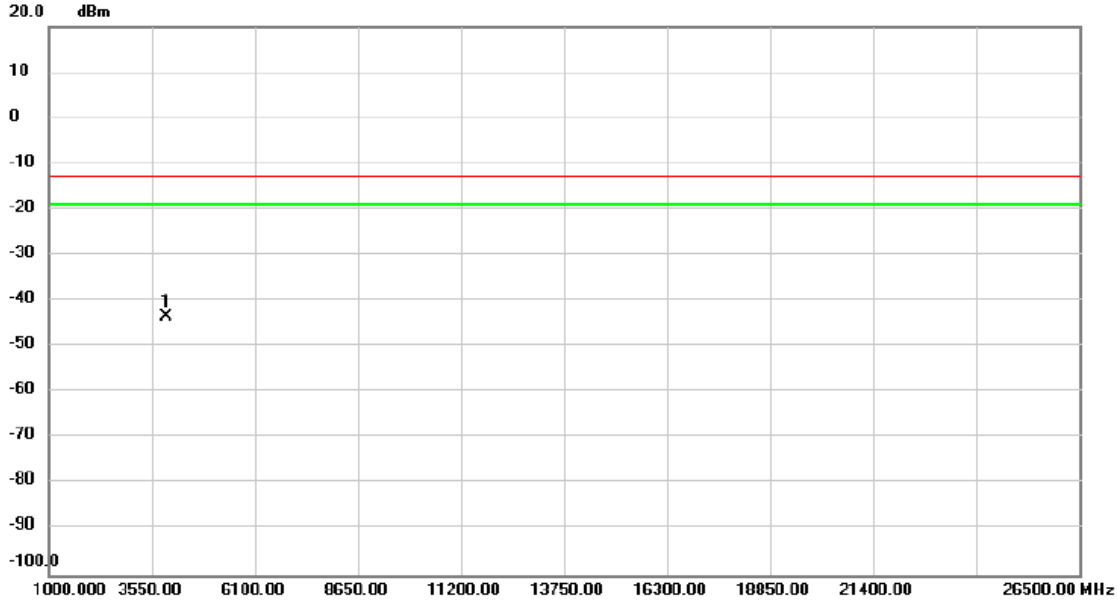
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		3754.000	-47.55	1.66	-45.89	-13.00	-32.89	peak	
2	*	5641.000	-50.29	6.19	-44.10	-13.00	-31.10	peak	

Test Mode:	PCS1900_TX CH661_EDGE

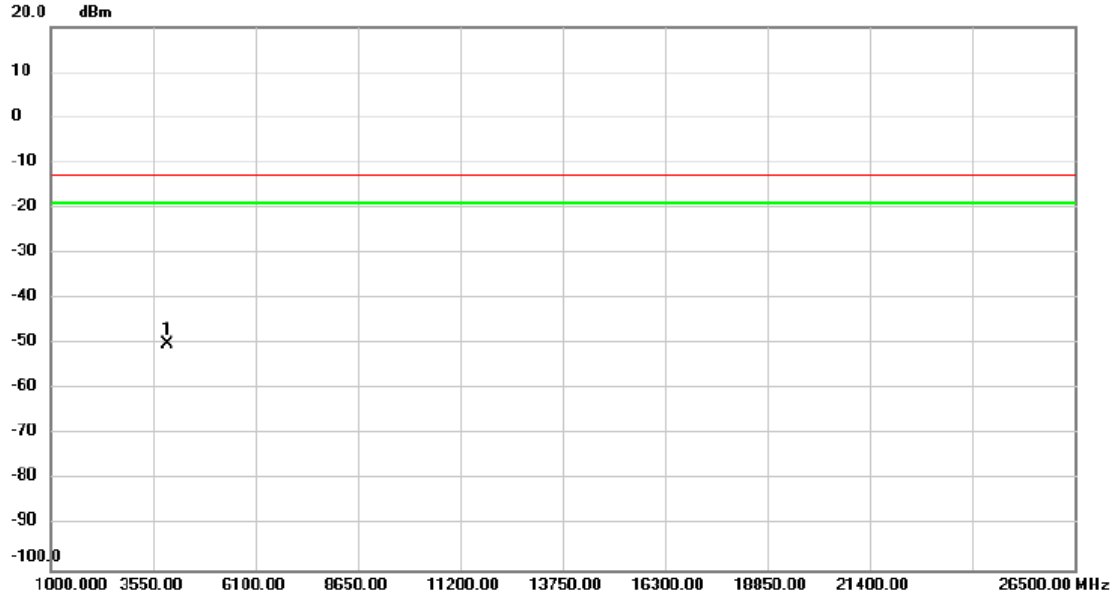
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3919.750	-45.63	2.13	-43.50	-13.00	-30.50	peak	

Test Mode:	PCS1900_TX CH661_EDGE

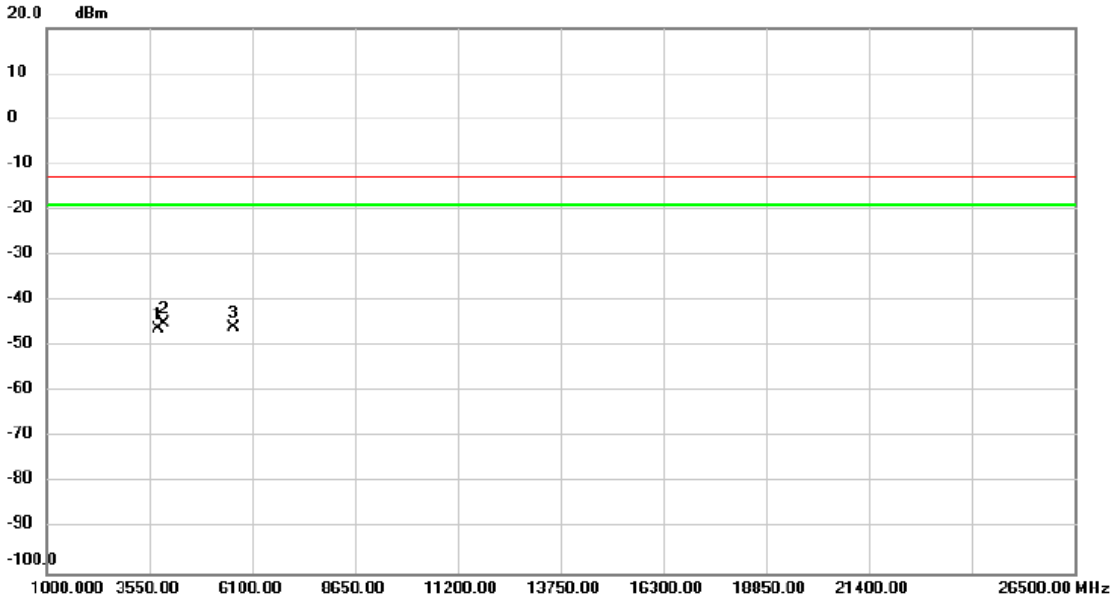
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3919.750	-52.21	2.13	-50.08	-13.00	-37.08	peak	

Test Mode:	WCDMA Band II_TX CH9400

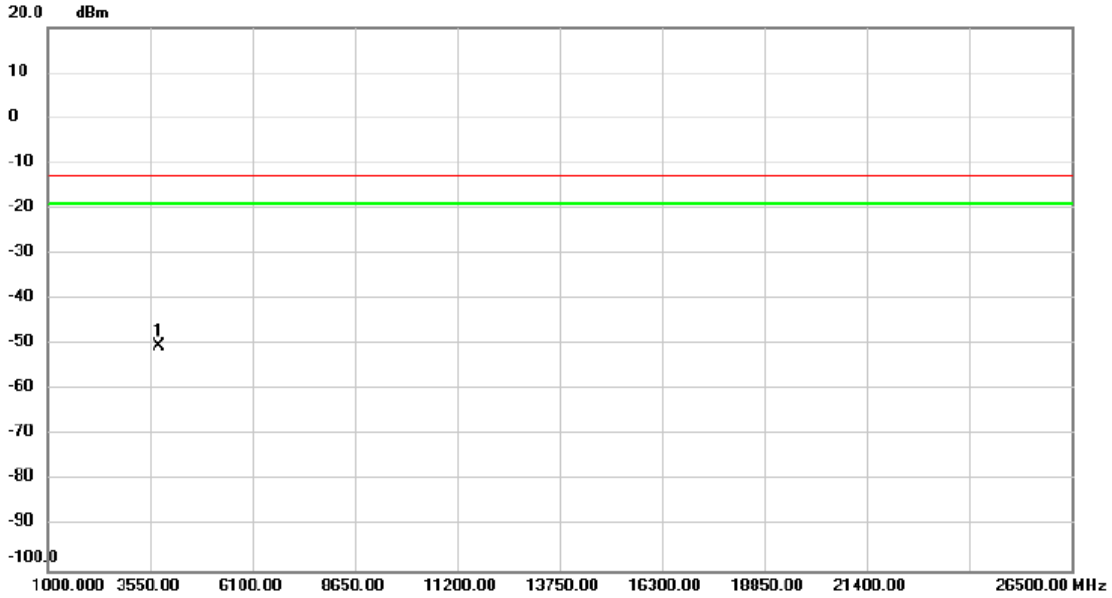
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		3766.750	-47.99	1.70	-46.29	-13.00	-33.29	peak	
2	*	3919.750	-47.02	2.13	-44.89	-13.00	-31.89	peak	
3		5641.000	-52.00	6.19	-45.81	-13.00	-32.81	peak	

Test Mode:	WCDMA Band II_TX CH9400

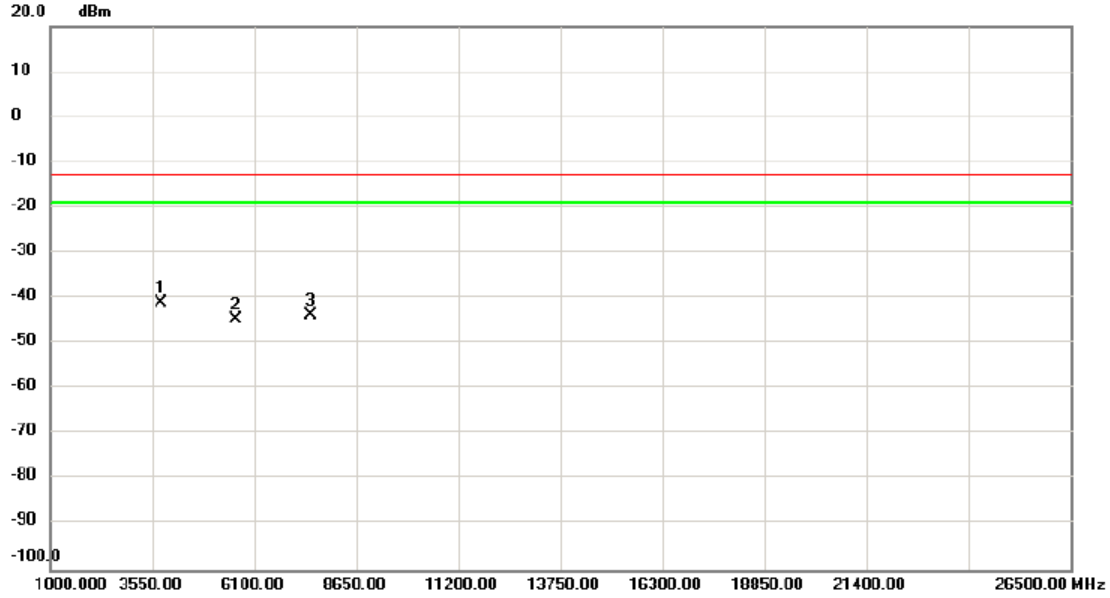
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3754.000	-51.98	1.66	-50.32	-13.00	-37.32	peak	

Test Mode:	LTE Band 2_TX CH18900_1.4M

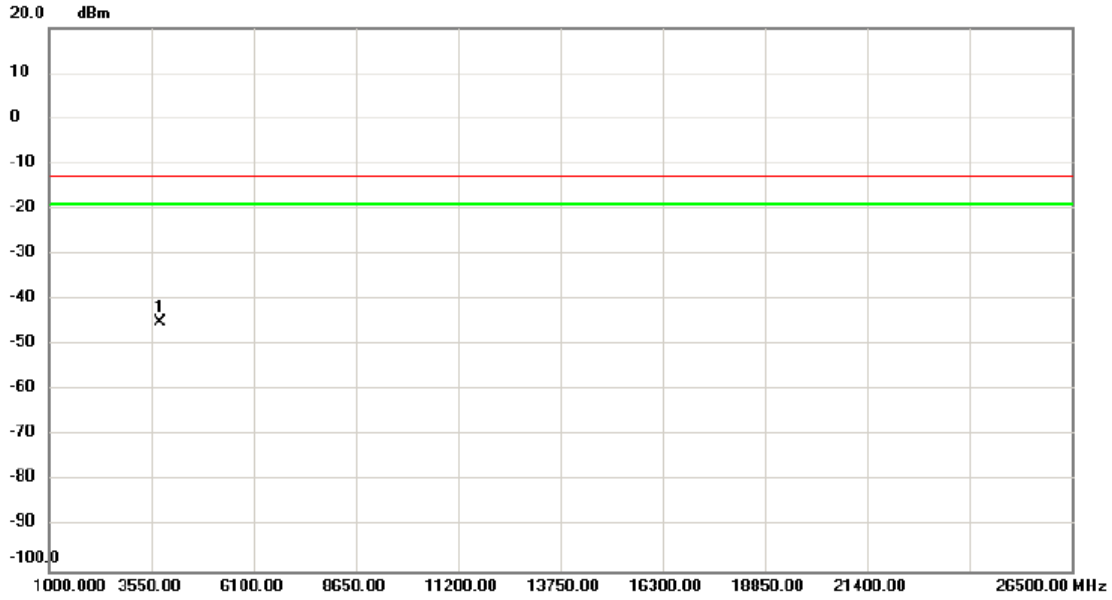
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3754.000	-42.70	1.66	-41.04	-13.00	-28.04	peak	
2		5641.000	-50.75	6.19	-44.56	-13.00	-31.56	peak	
3		7515.250	-54.95	11.07	-43.88	-13.00	-30.88	peak	

Test Mode:	LTE Band 2_TX CH18900_1.4M

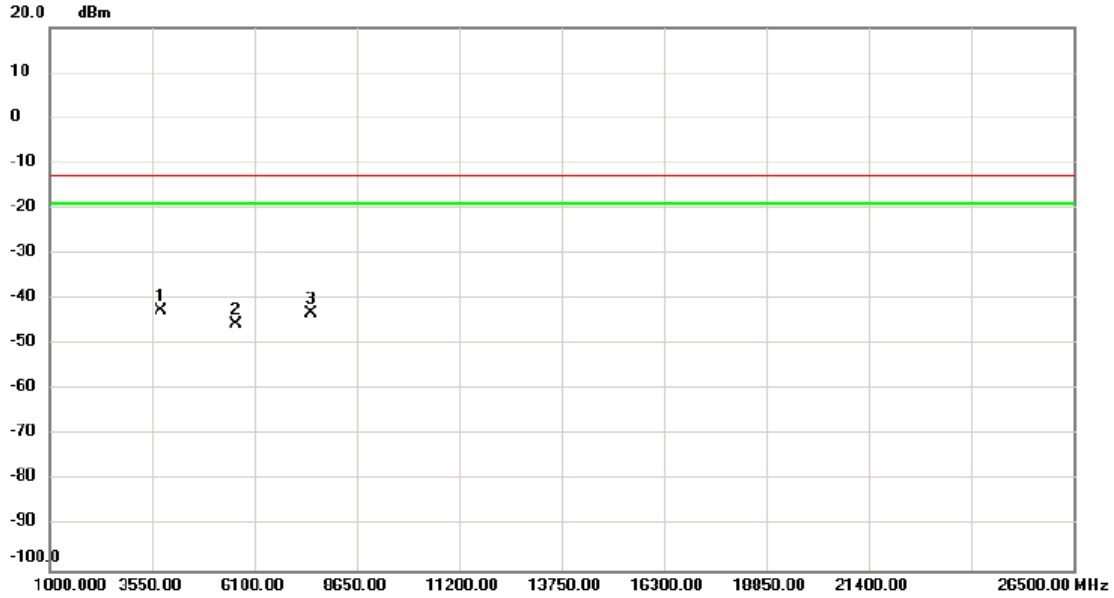
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3754.000	-46.64	1.66	-44.98	-13.00	-31.98	peak	

Test Mode:	LTE Band 2_ TX CH18900_5M

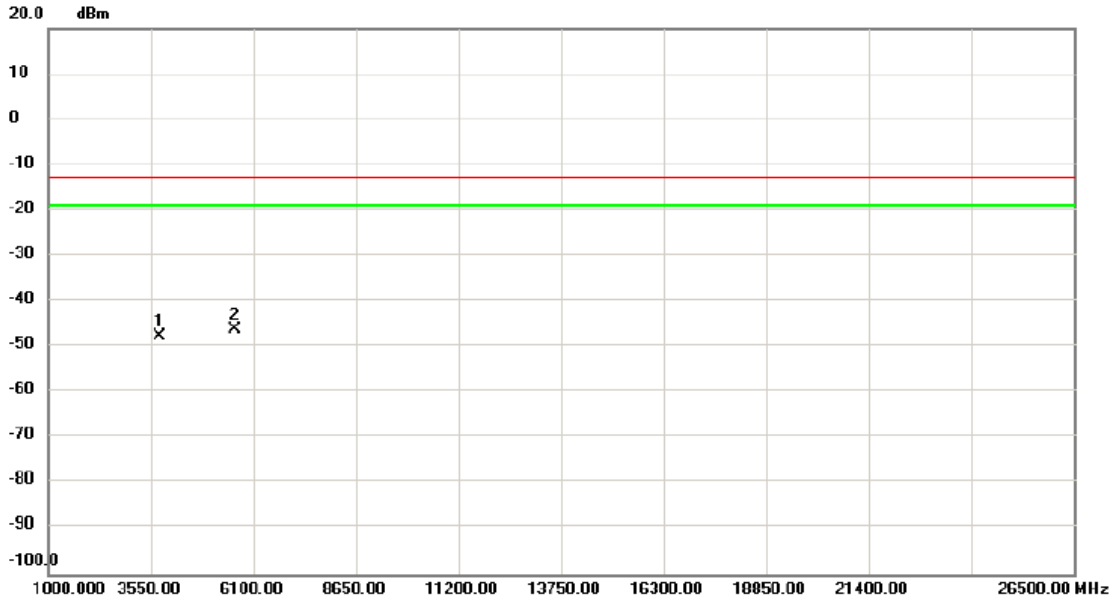
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3754.000	-44.33	1.66	-42.67	-13.00	-29.67	peak	
2		5628.250	-51.57	6.14	-45.43	-13.00	-32.43	peak	
3		7515.250	-54.16	11.07	-43.09	-13.00	-30.09	peak	

Test Mode:	LTE Band 2_ TX CH18900_5M

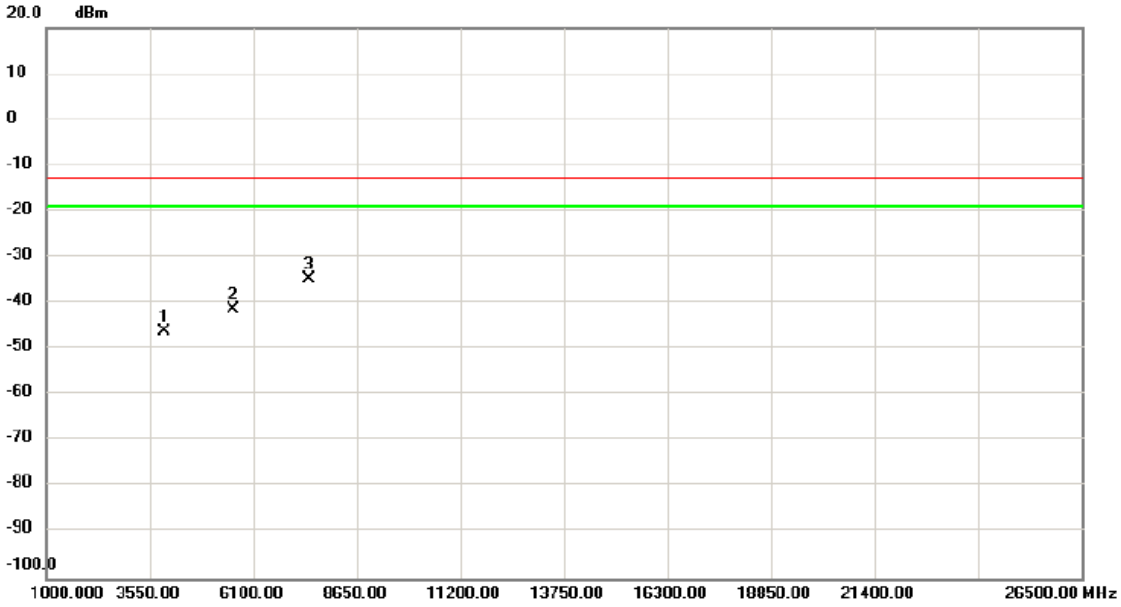
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		3754.000	-49.19	1.66	-47.53	-13.00	-34.53	peak	
2	*	5628.250	-52.14	6.14	-46.00	-13.00	-33.00	peak	

Test Mode:	LTE Band 2_TX CH18900_20M

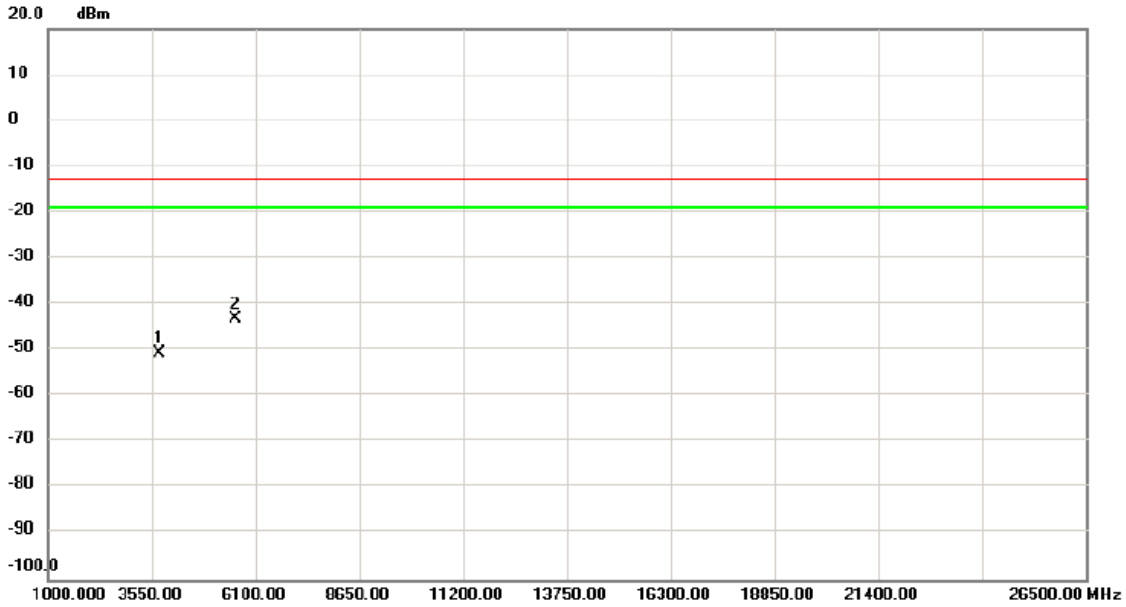
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		3919.750	-48.20	2.13	-46.07	-13.00	-33.07	peak	
2		5615.500	-47.52	6.09	-41.43	-13.00	-28.43	peak	
3	*	7489.750	-45.92	11.06	-34.86	-13.00	-21.86	peak	

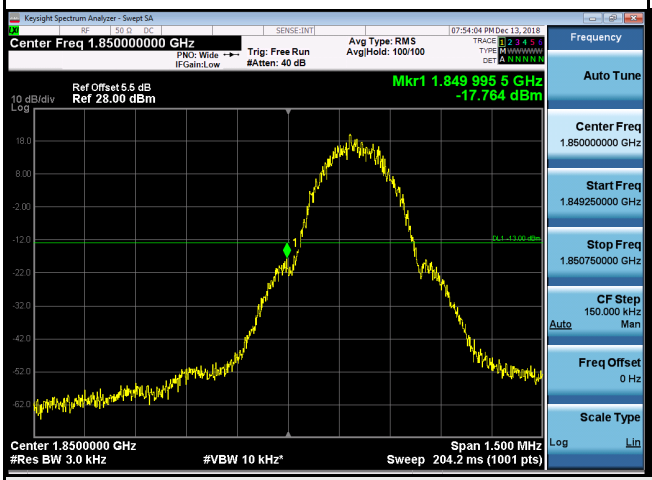
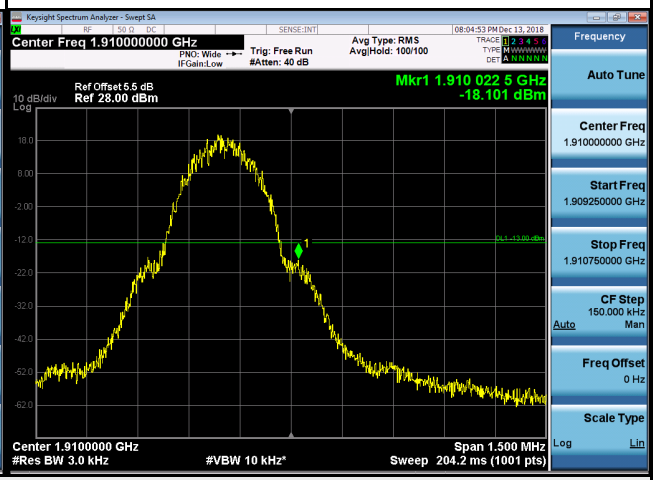
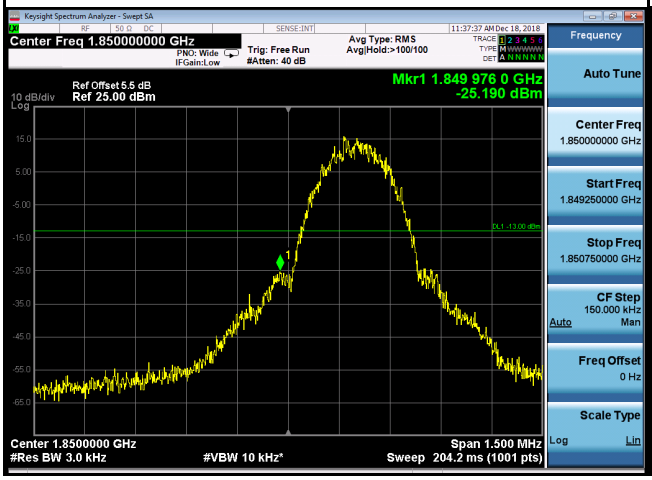
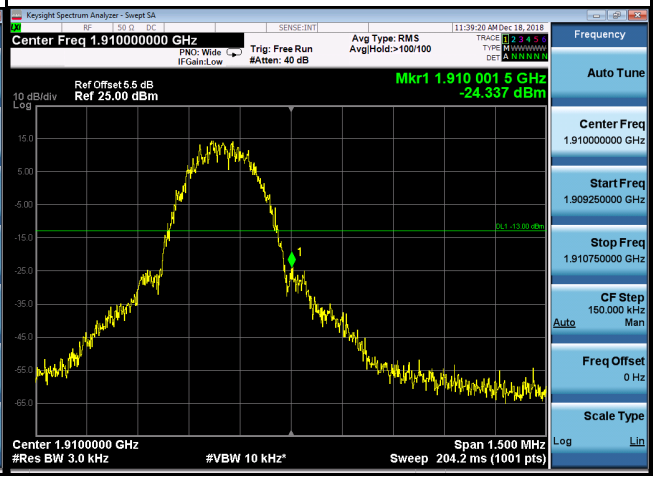
Test Mode:	LTE Band 2_TX CH18900_20M

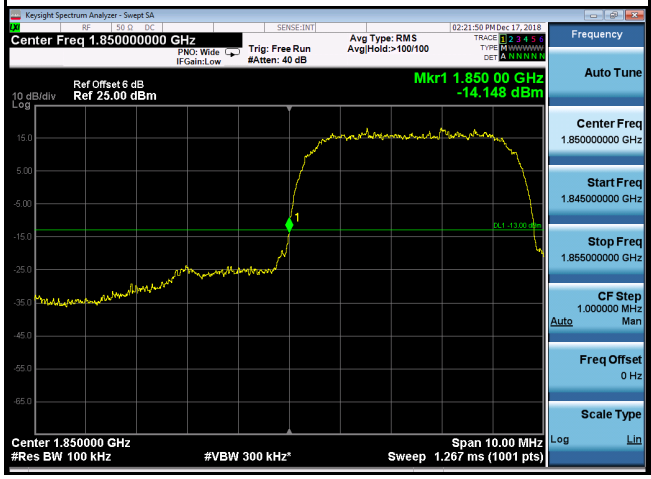
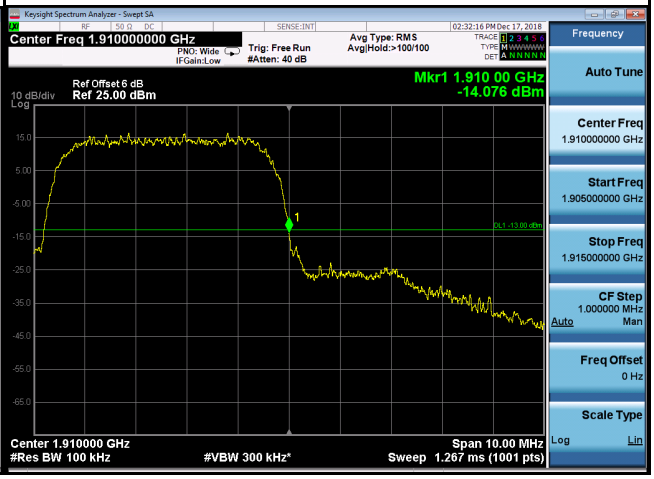
Horizontal

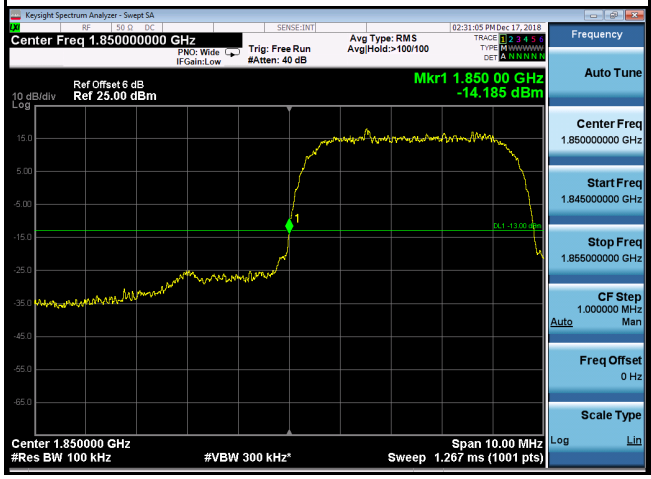
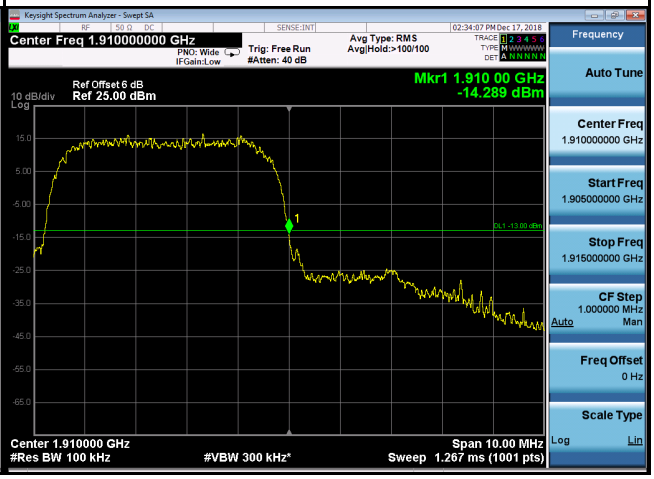


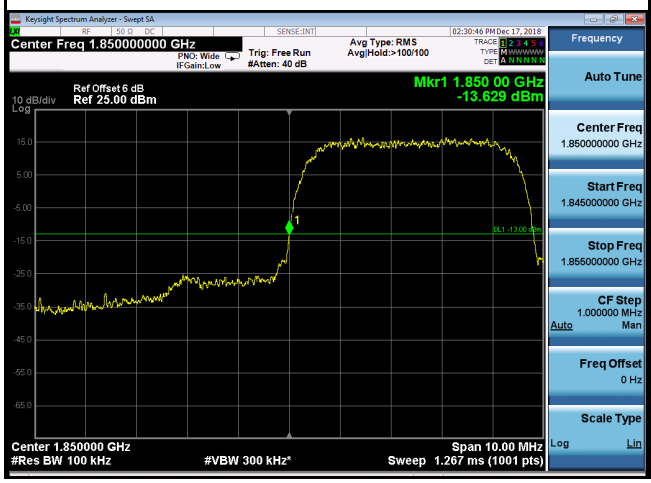
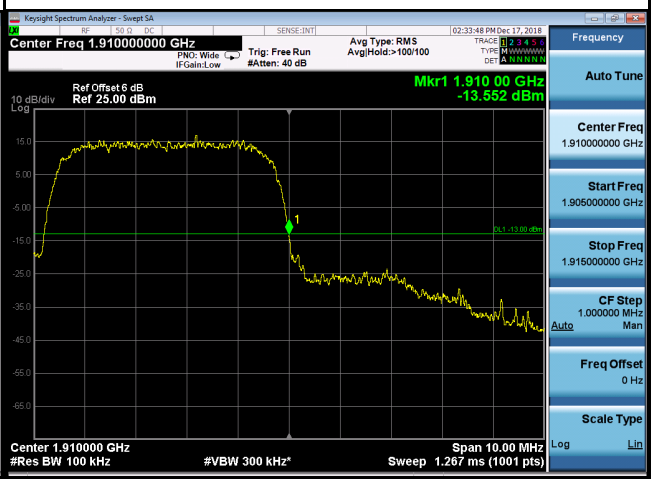
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		3741.250	-52.13	1.61	-50.52	-13.00	-37.52	peak	
2	*	5615.500	-49.28	6.09	-43.19	-13.00	-30.19	peak	

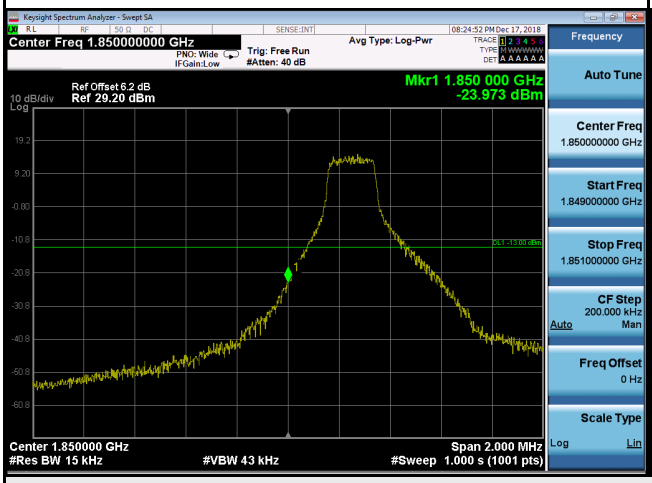
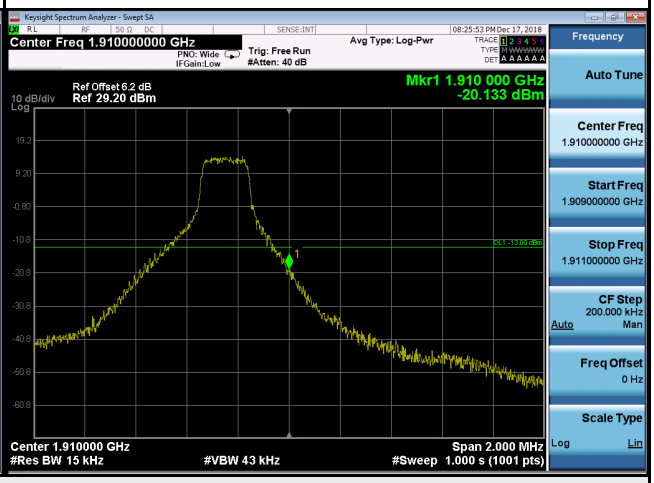
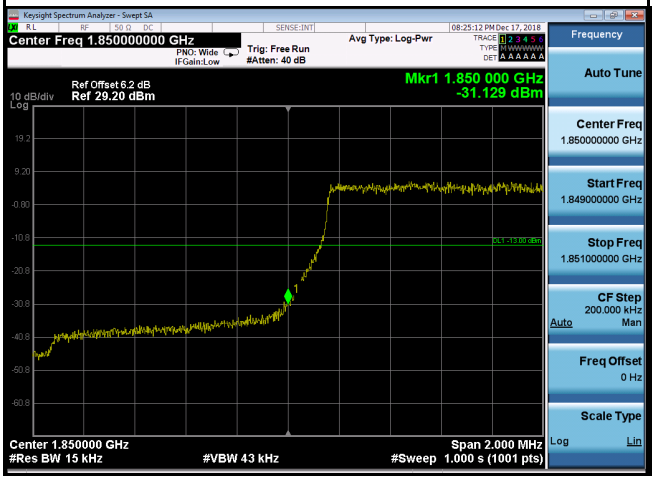
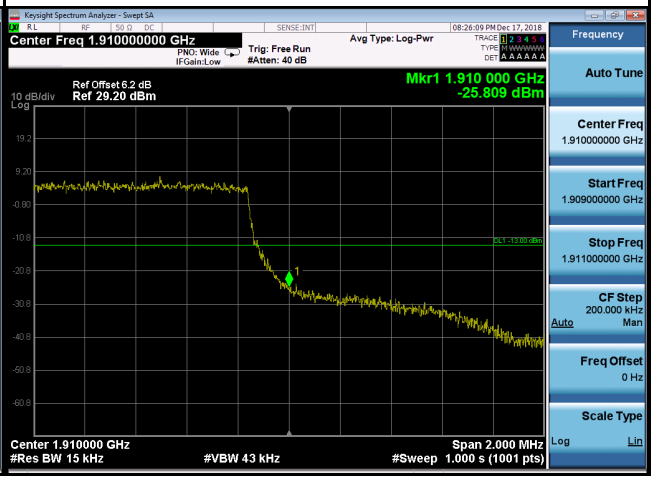
APPENDIX G - BAND EDGE

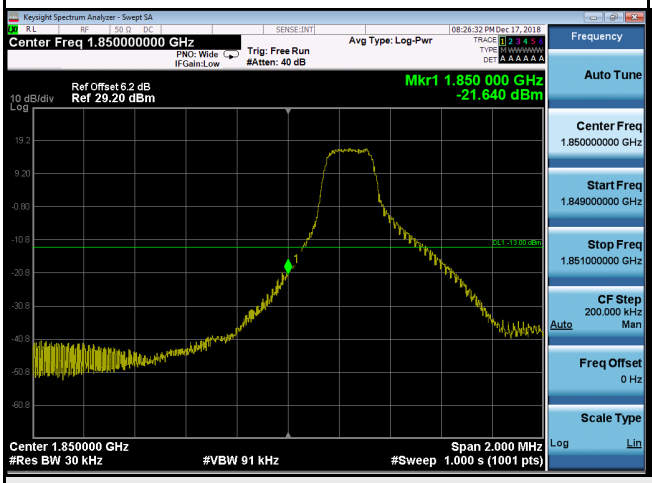
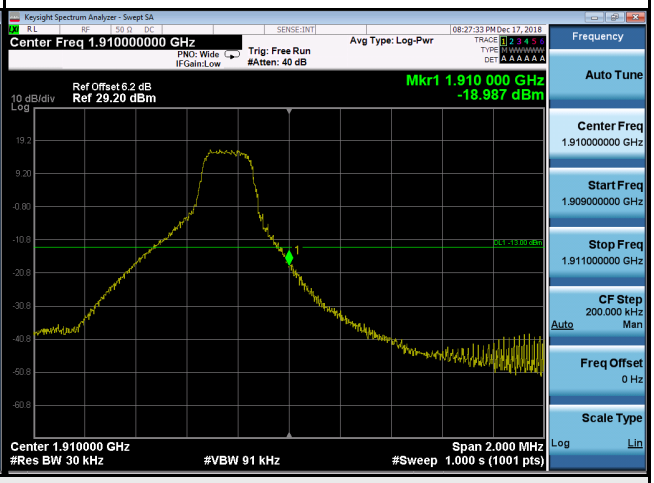
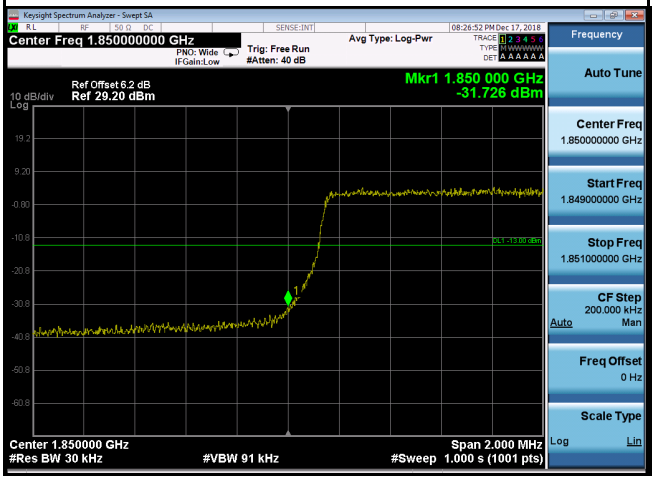
PCS1900			
GSM			
Channel	512	Channel	810
			
EDGE			
Channel	512	Channel	810
			

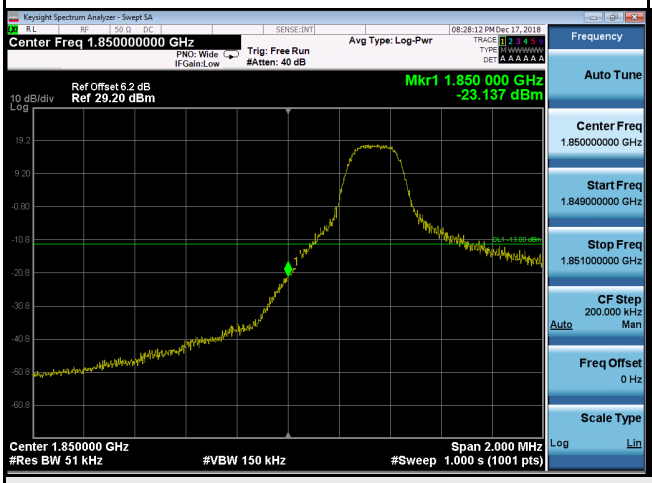
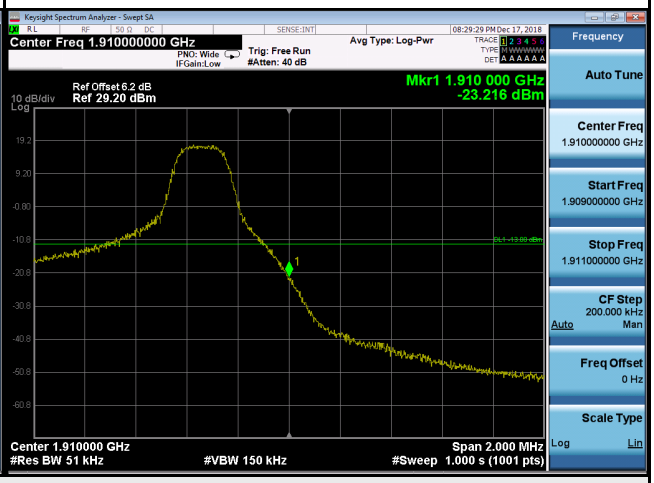
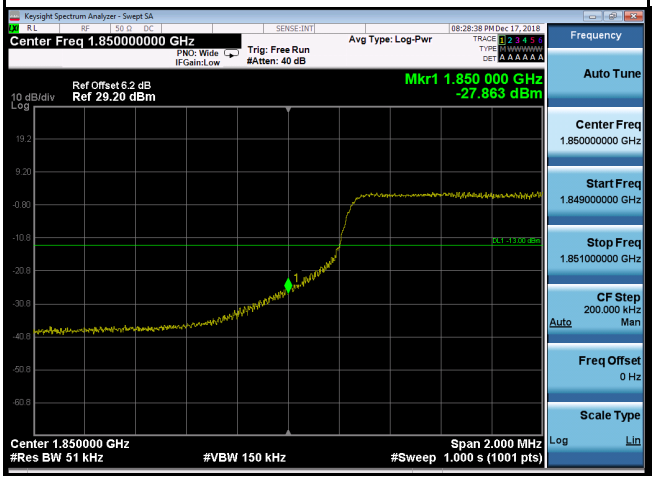
WCDMA Band II			
Channel	9262	Channel	9538
			

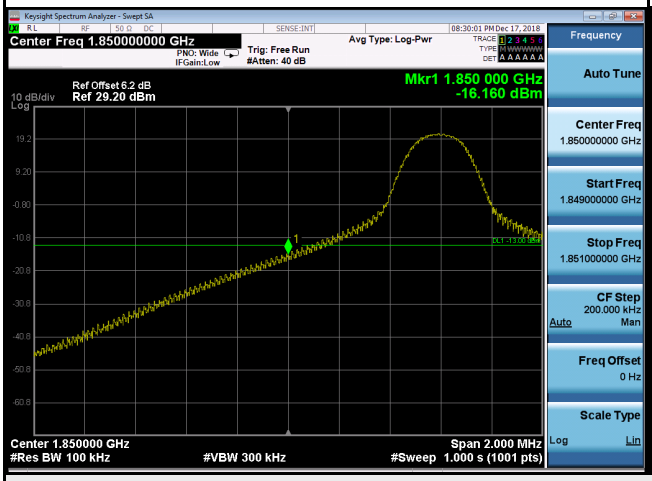
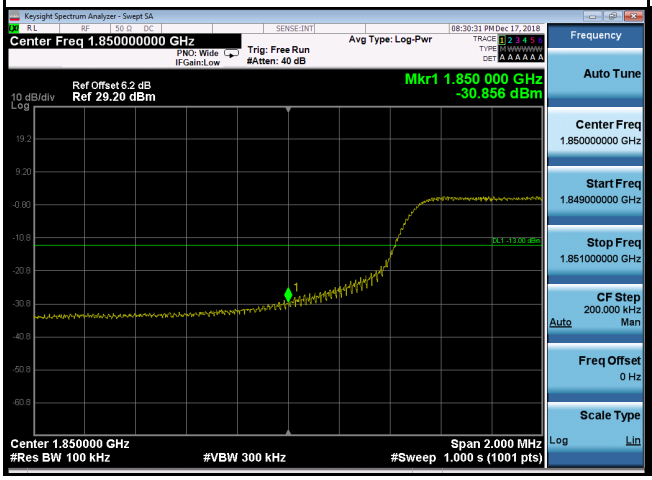
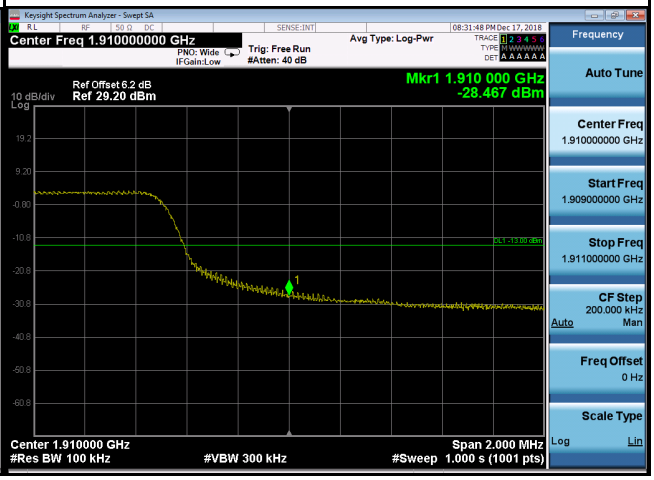
WCDMA_HSDPA Band II			
Channel	9262	Channel	9538
			

WCDMA_HSUPA Band II			
Channel	9262	Channel	9538
			

LTE Band 2_1.4M			
1RB0		1RB24	
Channel	18607	Channel	19193
			
6RB0			
Channel	18607	Channel	19193
			

LTE Band 2_3M			
1RB0		1RB24	
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_10M			
1RB0		1RB49	
Channel	18650	Channel	19150
			
50RB0			
Channel	18650	Channel	19150
			

LTE Band 2_15M			
1RB0		1RB74	
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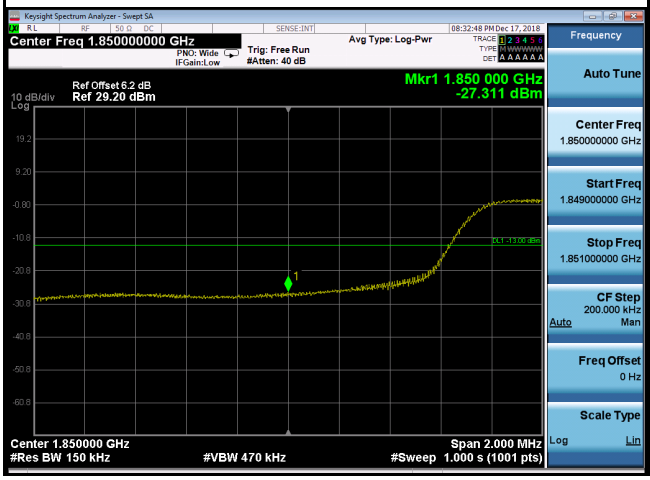
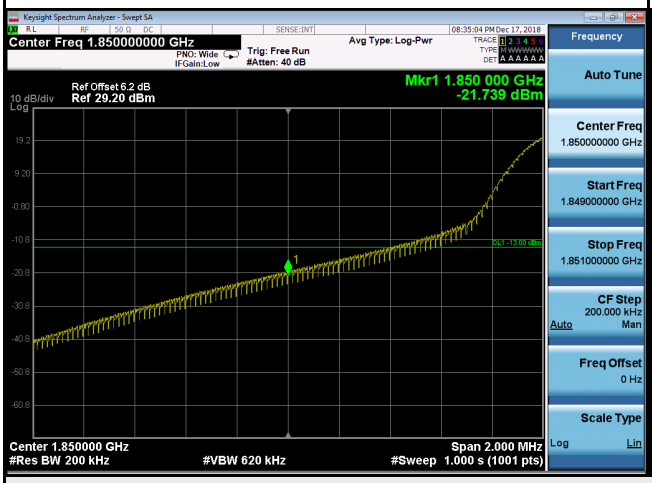
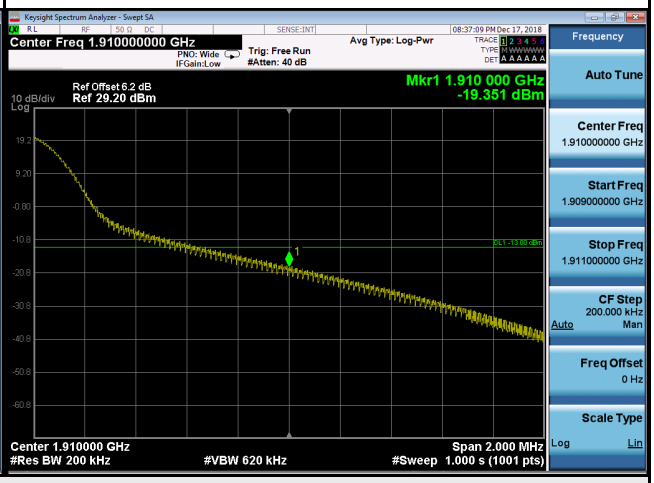
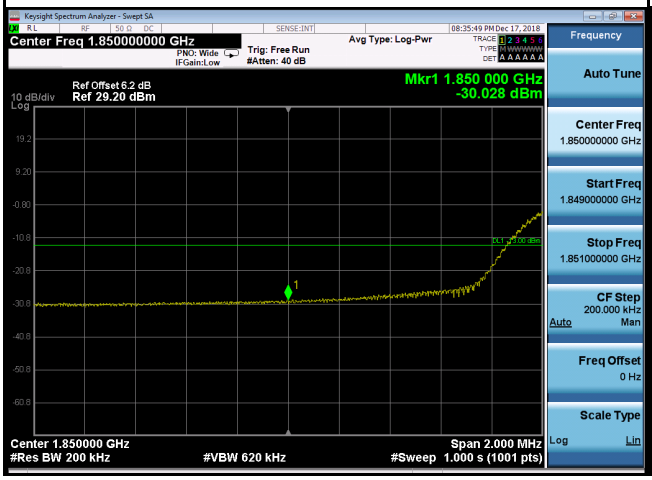
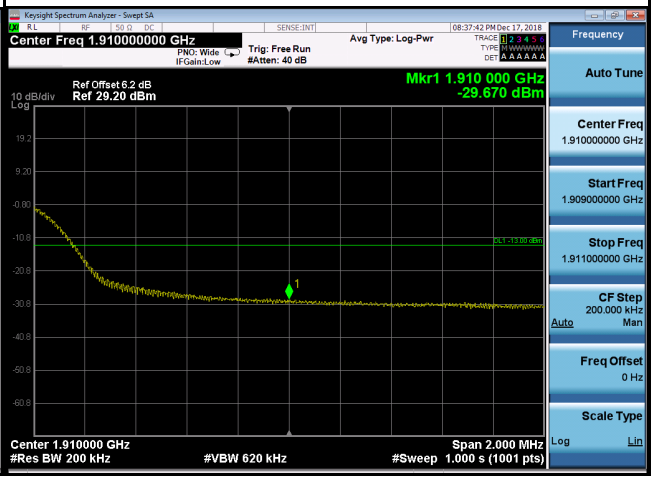
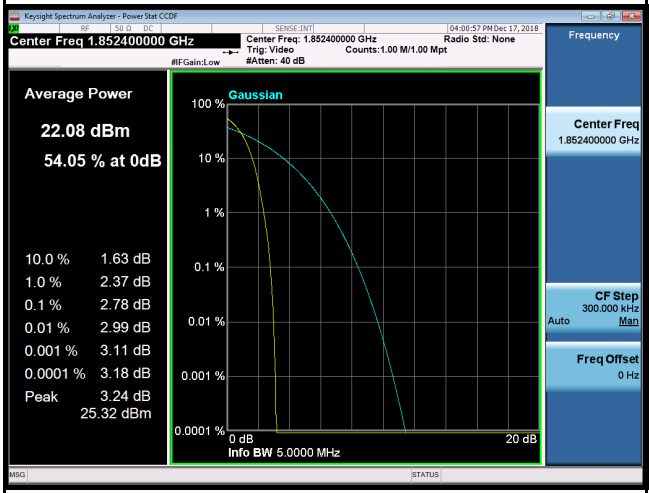
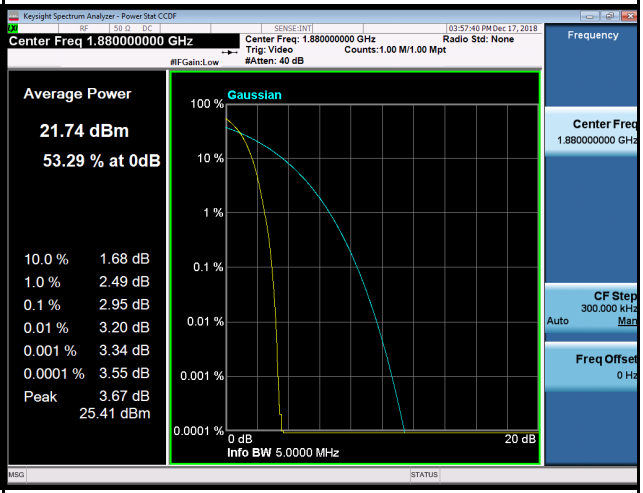
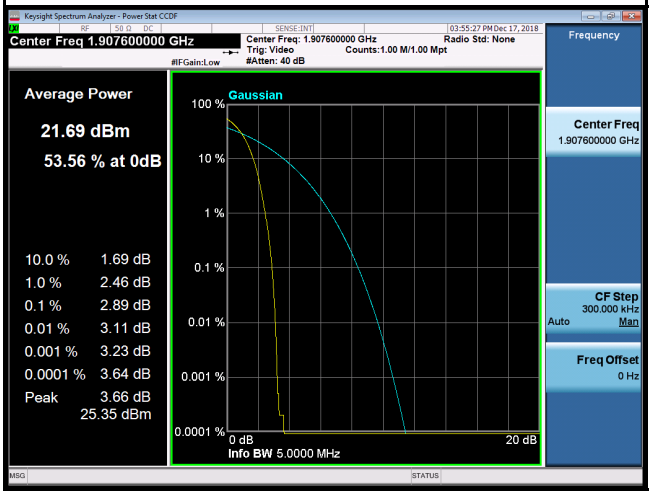
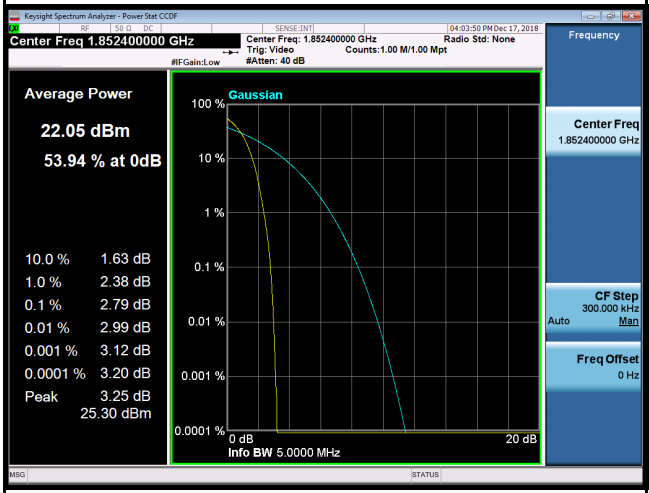
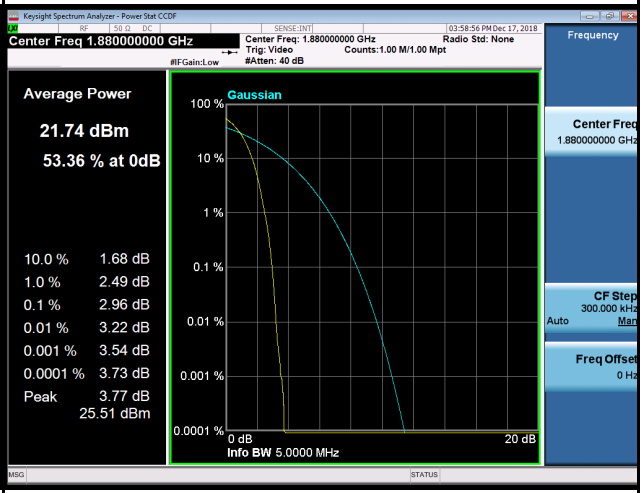
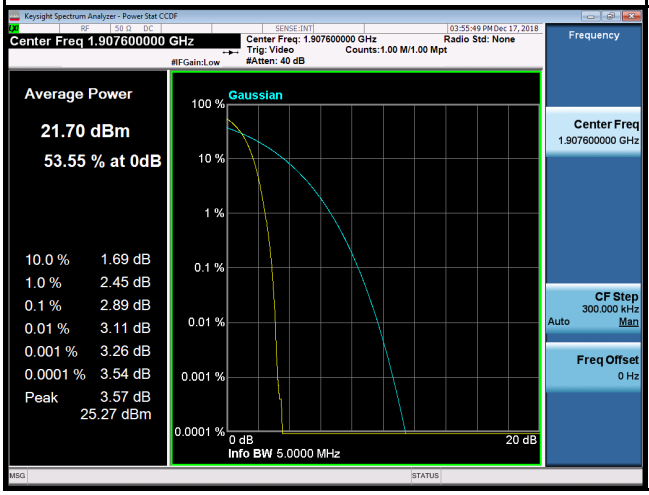
75RB0			
Channel	18675	Channel	19125
			

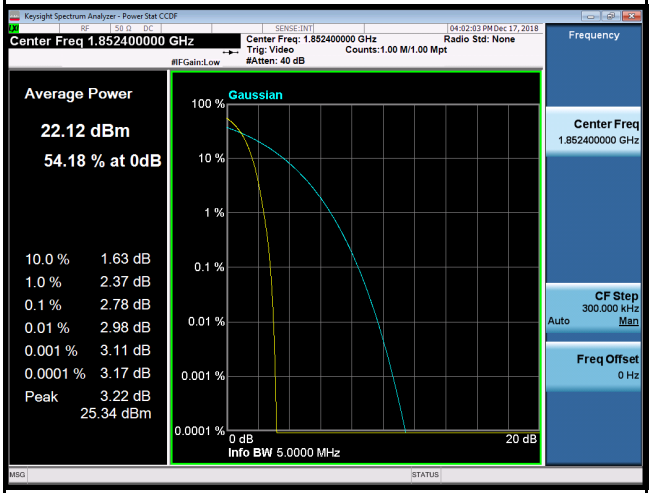
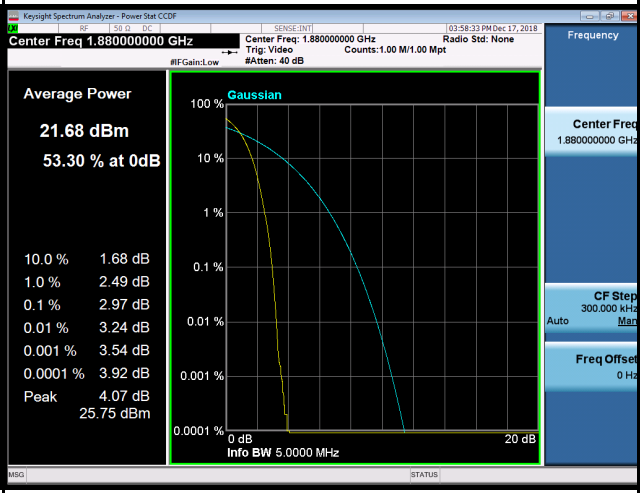
LTE Band 2_20M			
1RB0		1RB99	
Channel	18700	Channel	19100
			
100RB0			
Channel	18700	Channel	19100
			

APPENDIX H - PEAK TO AVERAGE RATIO

PCS1900							
GSM				EDGE			
CS				8PSK			
Channel	Frequency (MHz)	PAPR (dB)	Limit (dB)	Channel	Frequency (MHz)	PAPR (dB)	Limit (dB)
512	1850.2	0.87	13	512	1850.2	3.76	13
661	1880	0.86	13	661	1880	3.78	13
810	1909.8	0.88	13	810	1909.8	3.75	13

WCDMA Band II Spectrum Plot	
9262	9400
	
9538	-
	-

WCDMA_HSDPA Band II Spectrum Plot	
9262	9400
	
9538	-
	-

WCDMA_HSUPA Band II Spectrum Plot	
9262	9400
	
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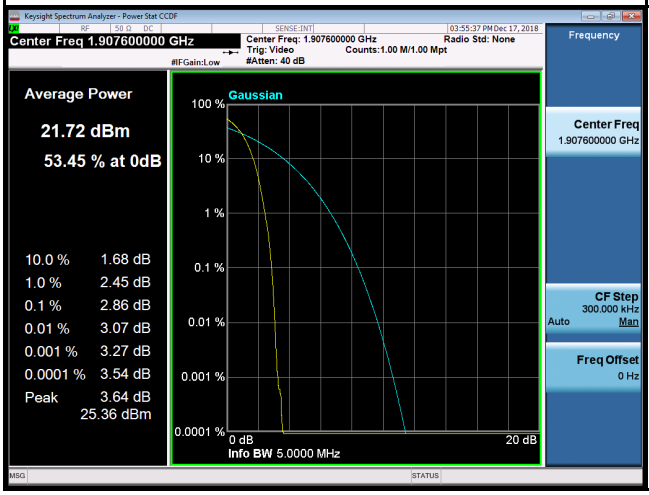	-

LTE Band 2 Spectrum Plot_1.4M

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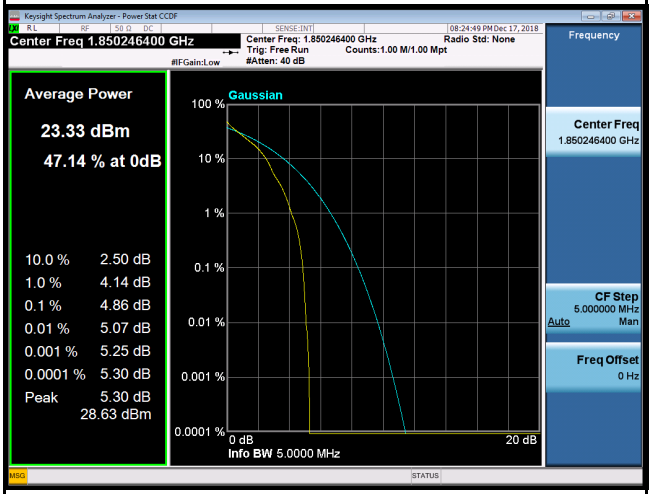

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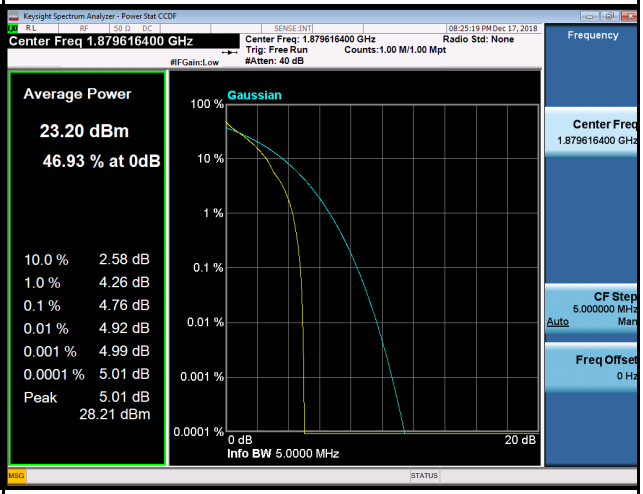

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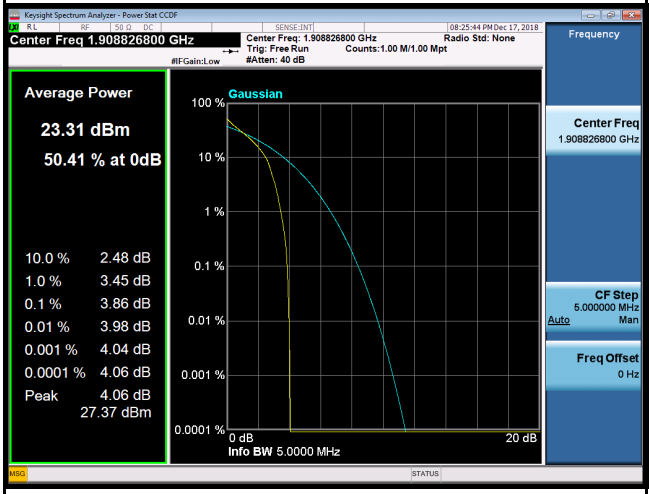

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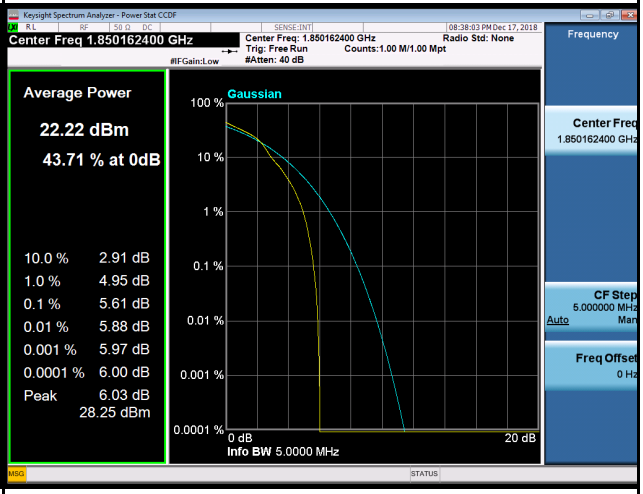

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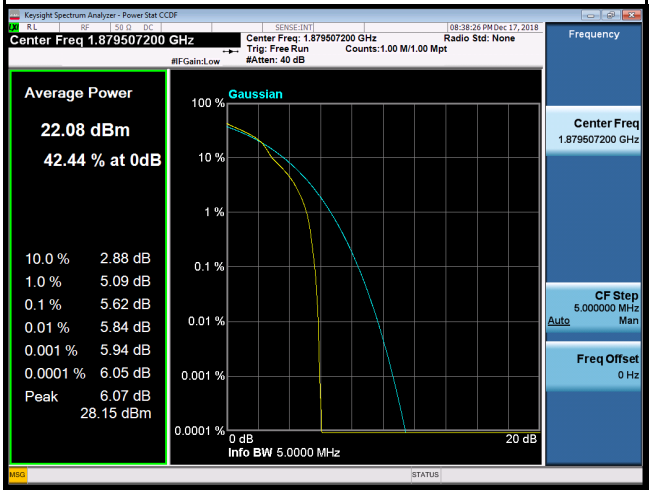

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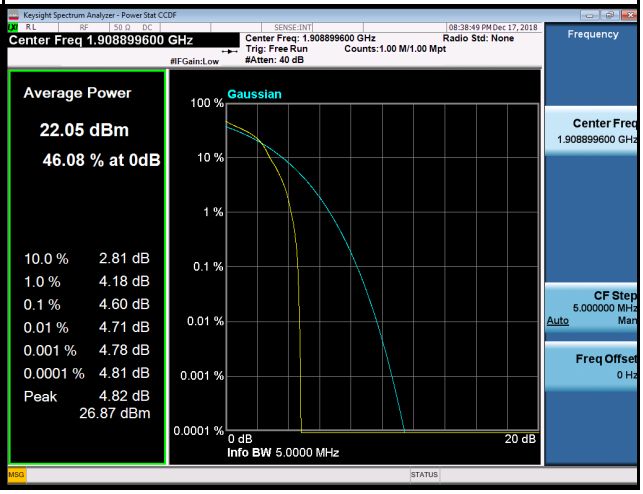

LTE Band 2 Spectrum Plot_3M

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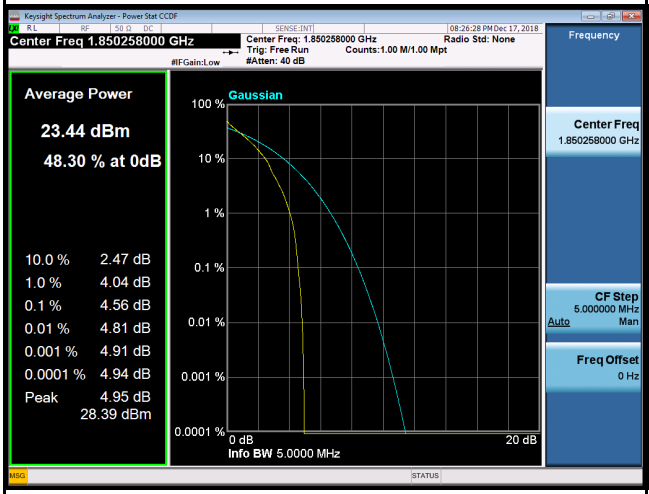

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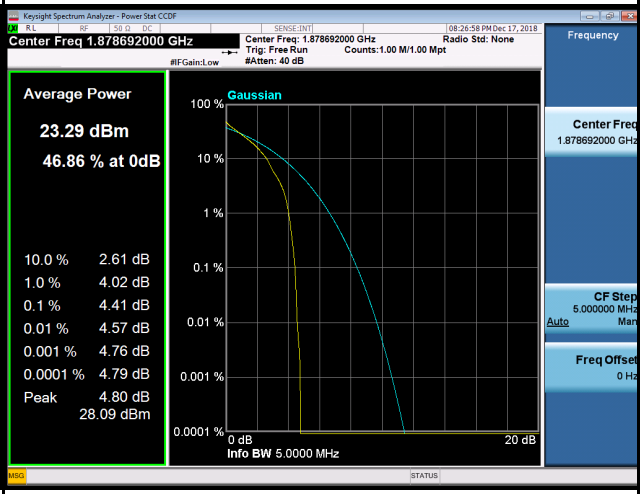

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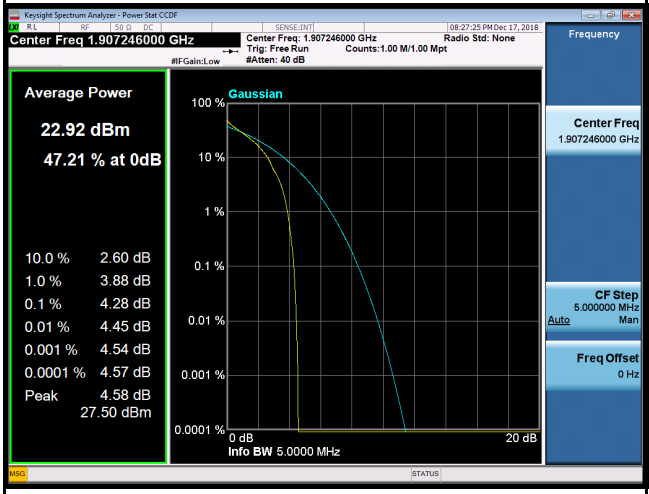

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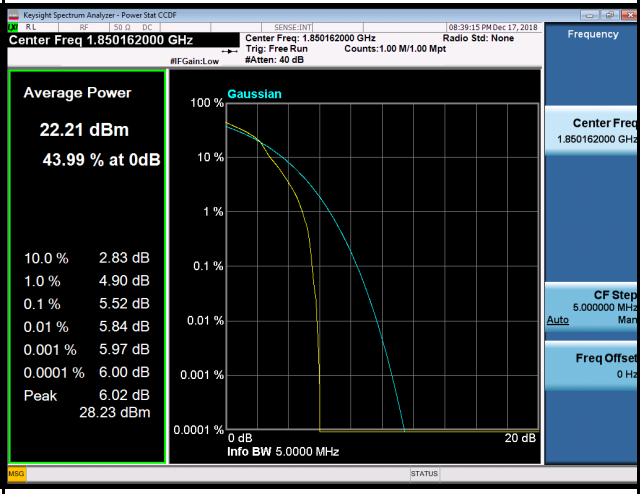

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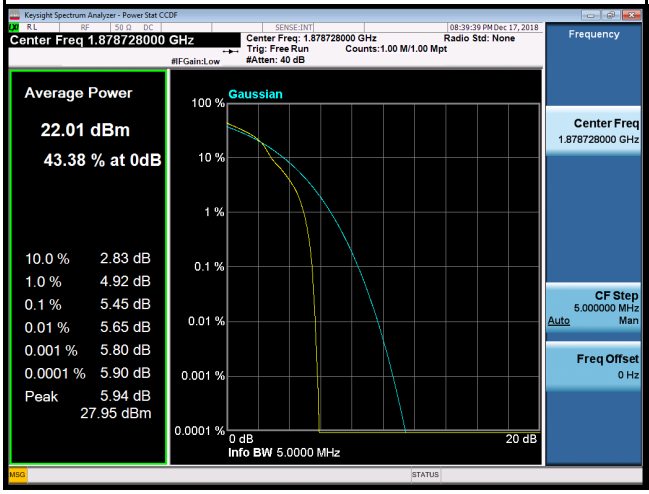

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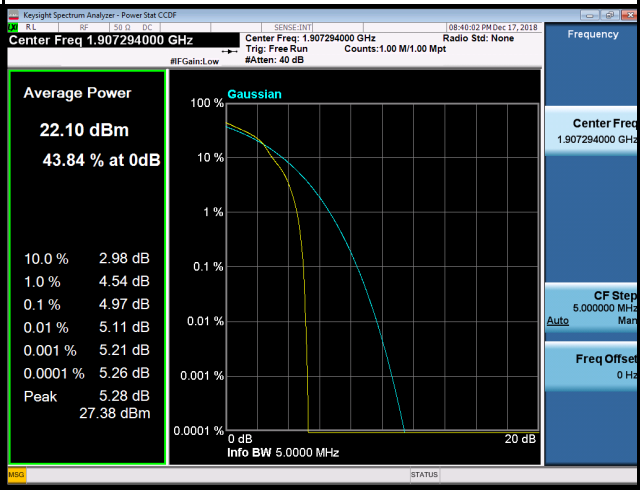
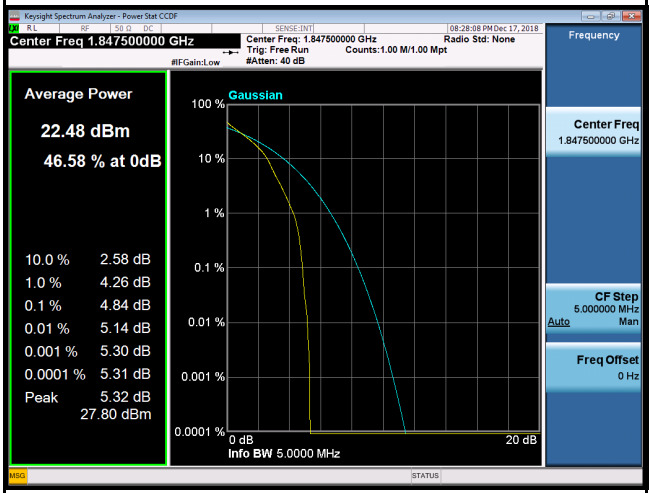


LTE Band 2 Spectrum Plot_5M

QPSK-18625



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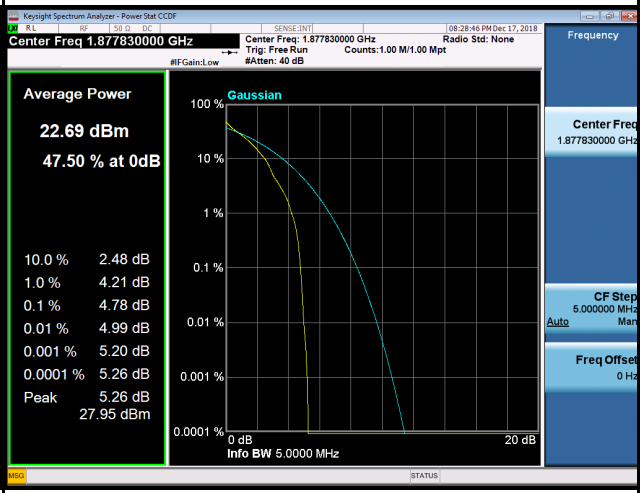

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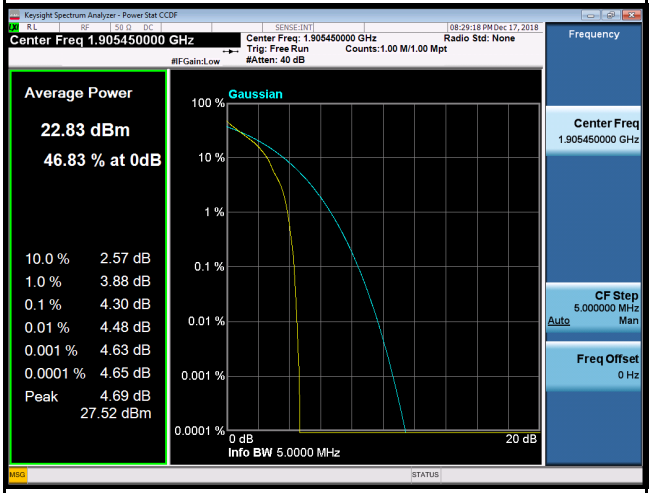

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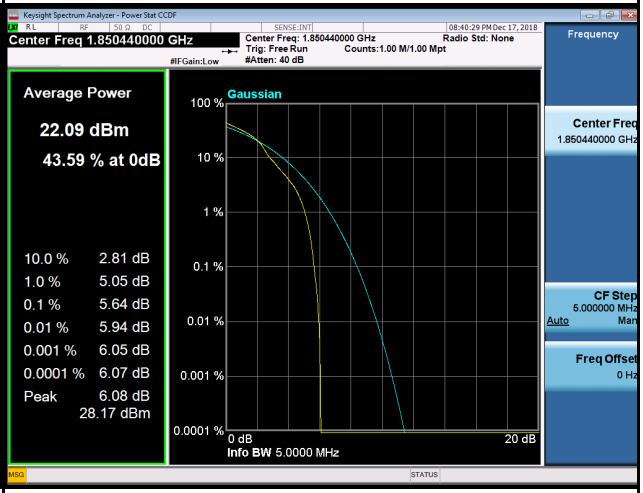

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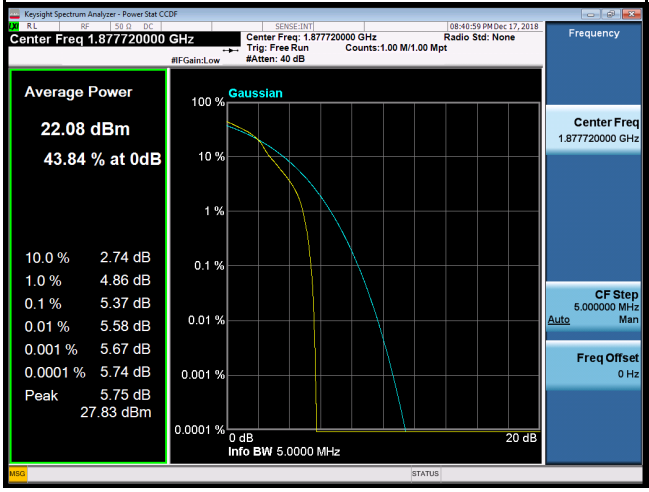

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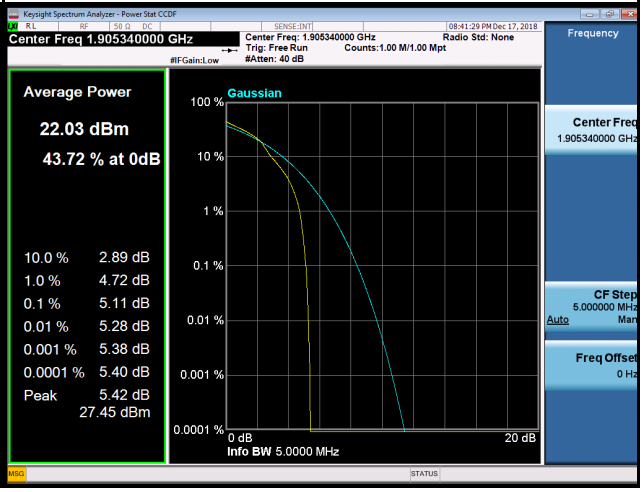
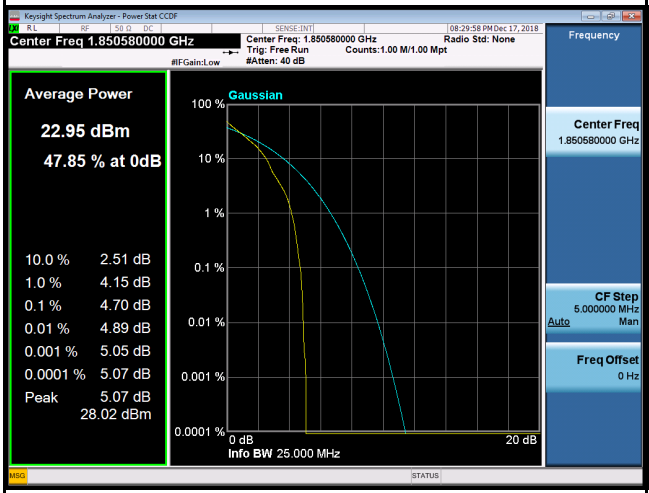


LTE Band 2 Spectrum Plot_10M

QPSK-18650



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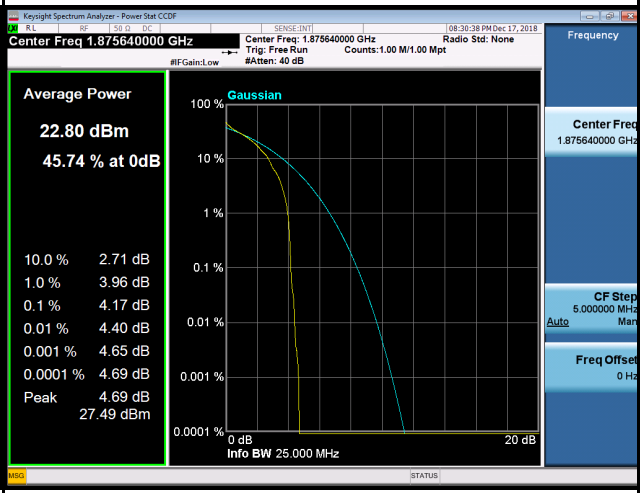

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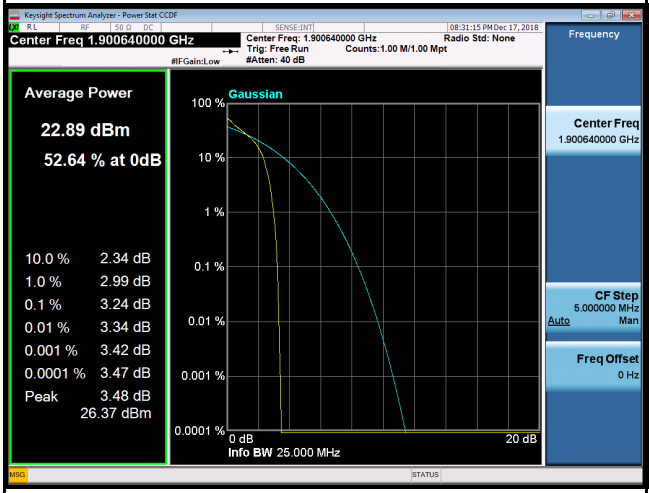

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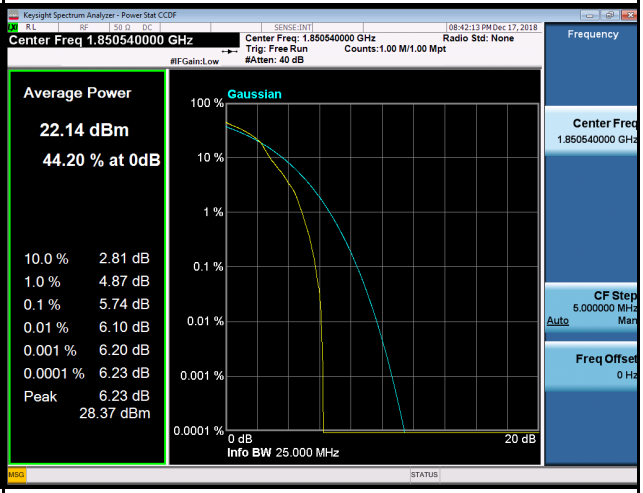

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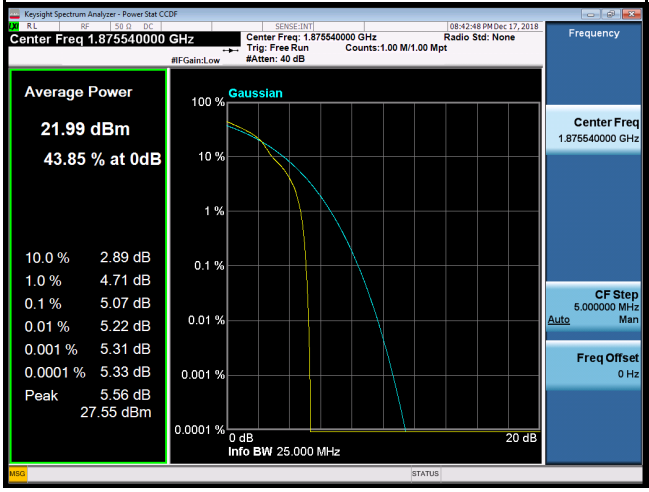
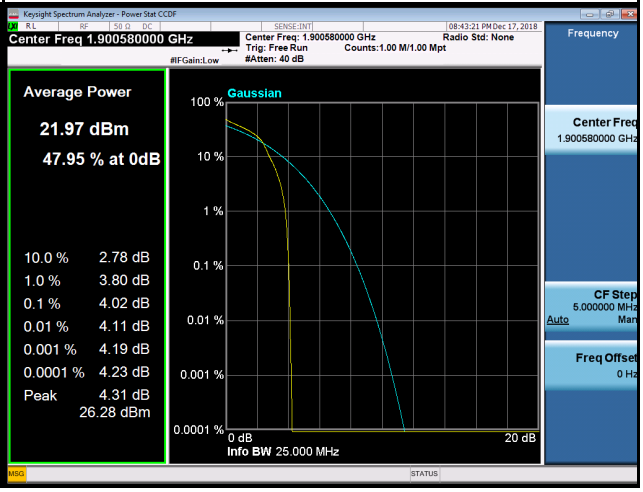
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