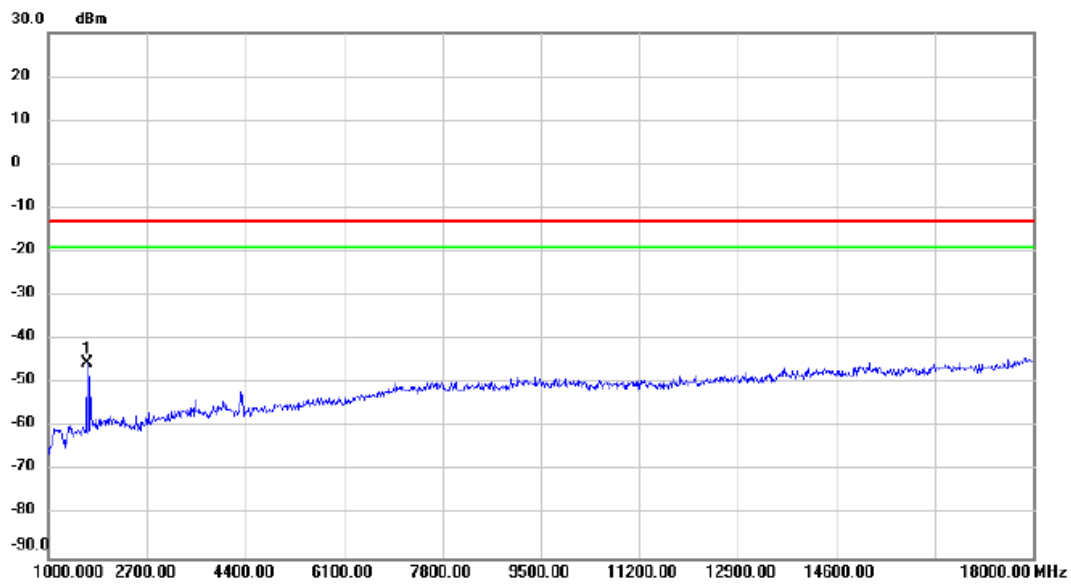


APPENDIX F - RADIATED EMISSION (ABOVE 1GHZ)

Test Mode: GSM850_TX CH190_GSM

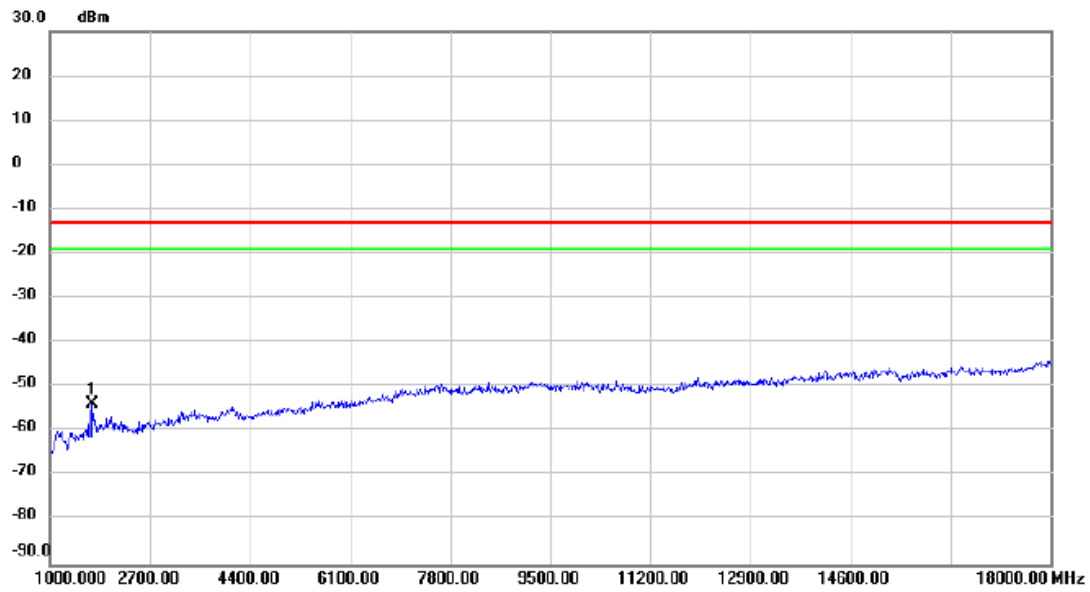
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1671.500	-52.15	6.66	-45.49	-13.00	-32.49	peak	

Test Mode: GSM850_TX CH190_GSM

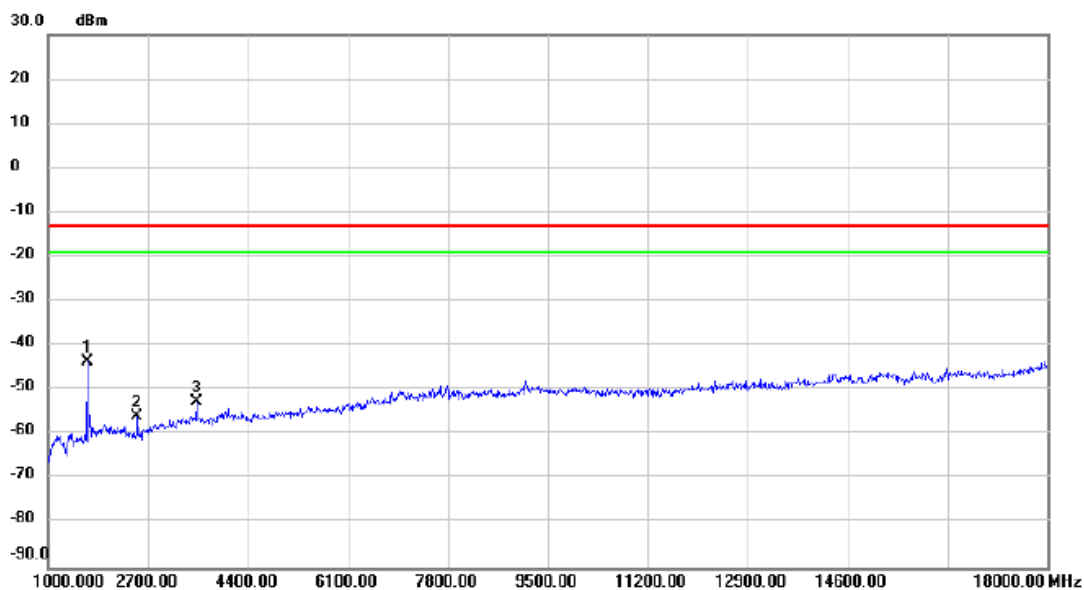
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1714.000	-60.73	6.93	-53.80	-13.00	-40.80	peak	

Test Mode: GSM850_TX CH190_EDGE

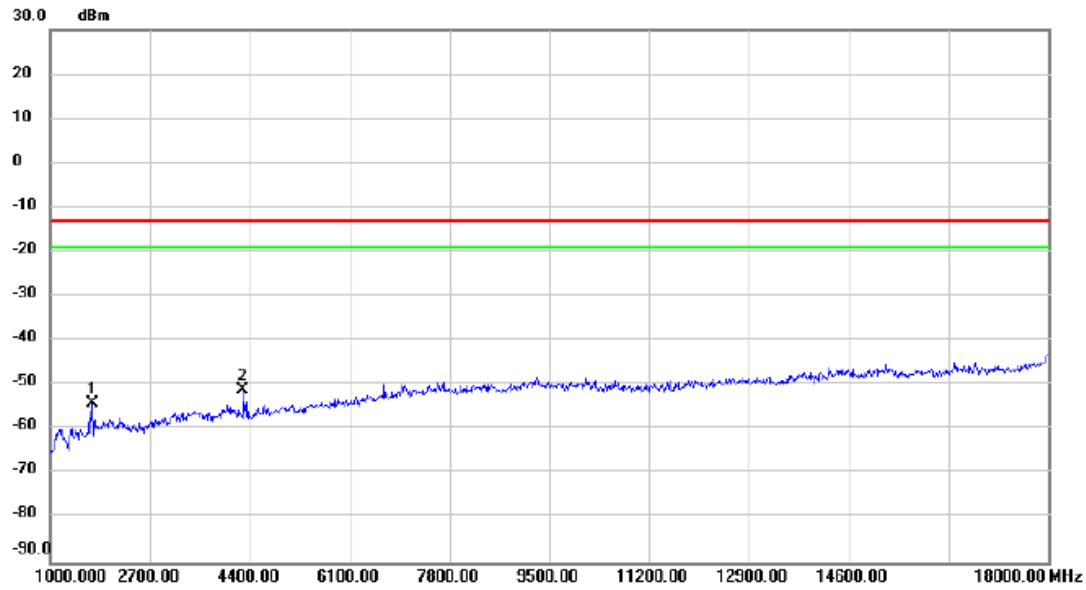
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1671.500	-50.38	6.66	-43.72	-13.00	-30.72	peak	
2		2513.000	-64.10	8.21	-55.89	-13.00	-42.89	peak	
3		3524.500	-65.43	12.89	-52.54	-13.00	-39.54	peak	

Test Mode: GSM850_TX CH190_EDGE

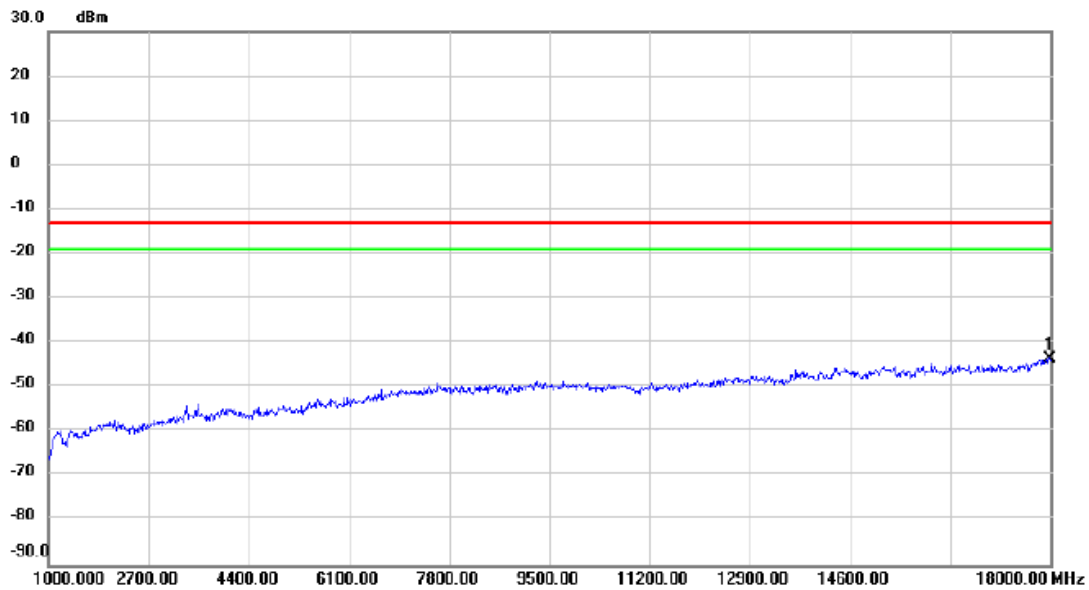
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		1714.000	-61.01	6.93	-54.08	-13.00	-41.08	peak	
2	*	4281.000	-65.37	14.13	-51.24	-13.00	-38.24	peak	

Test Mode: WCDMA Band V_TX CH4182

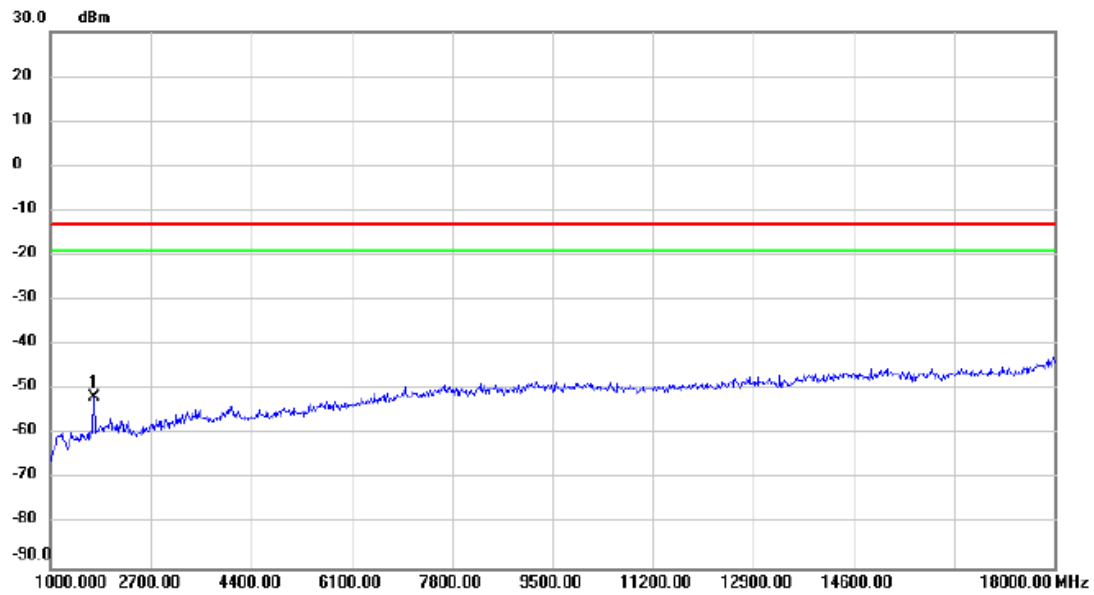
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	17991.50	-74.58	31.08	-43.50	-13.00	-30.50	peak	

Test Mode: WCDMA Band V_TX CH4182

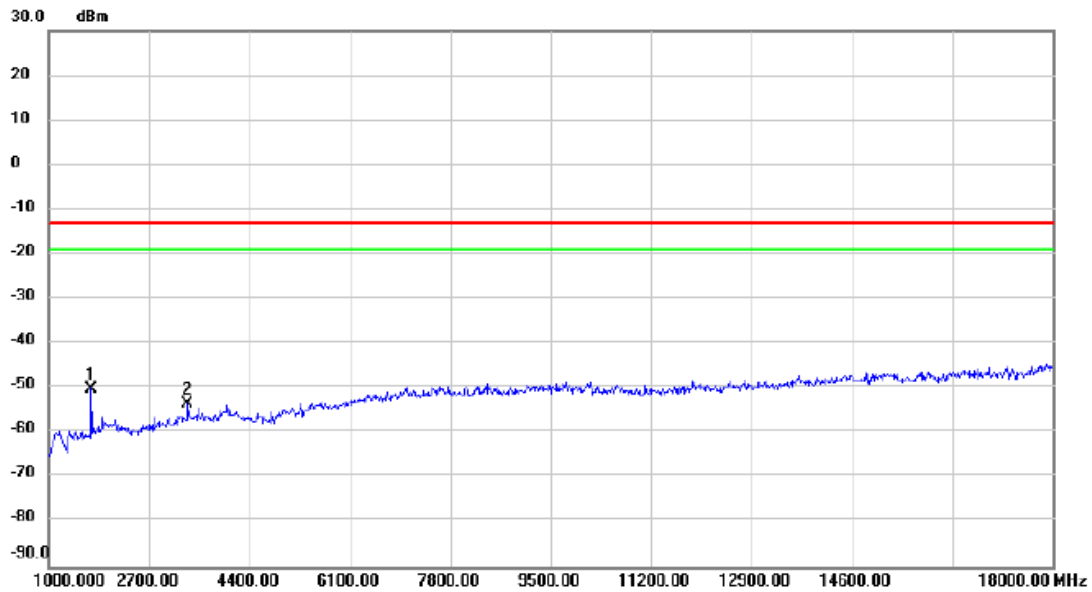
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1731.000	-58.81	7.04	-51.77	-13.00	-38.77	peak	

Test Mode: LTE Band 5_TX CH20525_1.4M

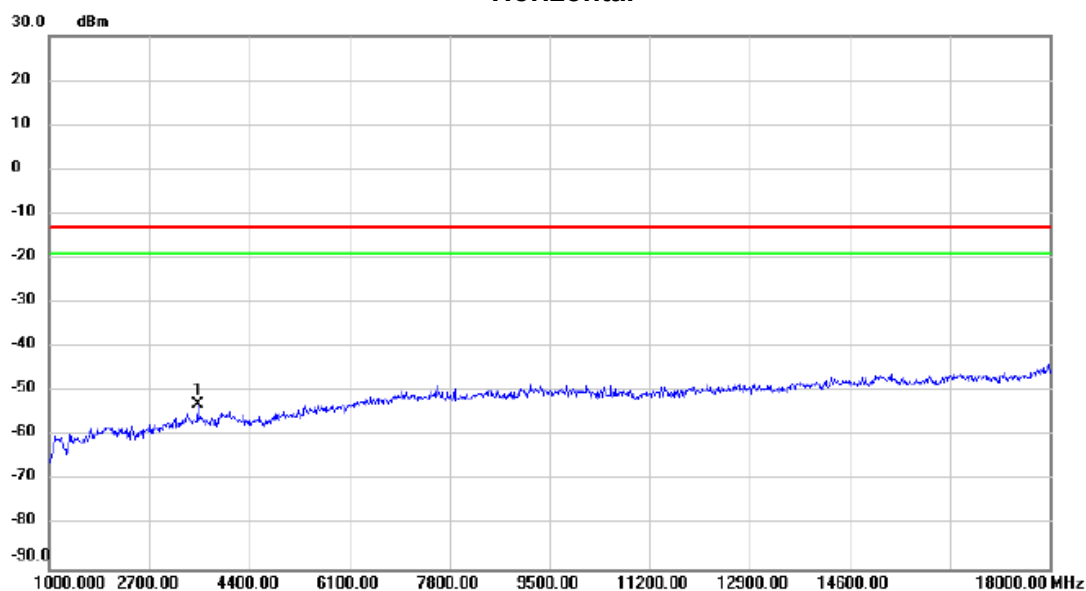
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1714.000	-57.03	6.93	-50.10	-13.00	-37.10	peak	
2		3346.000	-65.88	12.21	-53.67	-13.00	-40.67	peak	

Test Mode:	LTE Band 5_TX CH20525_1.4M
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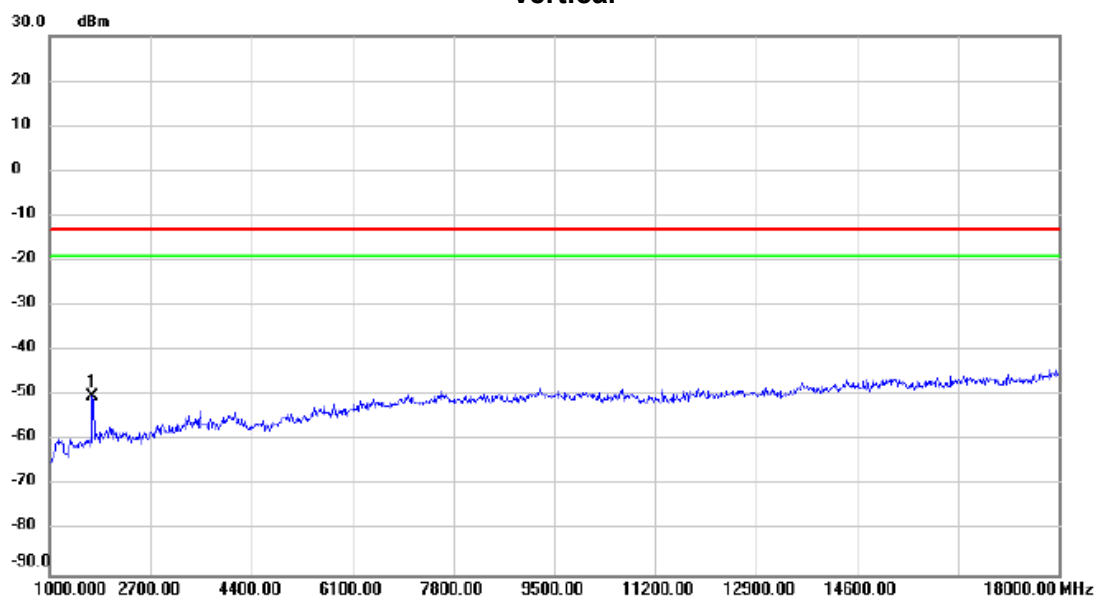
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3524.500	-65.78	12.89	-52.89	-13.00	-39.89	peak	

Test Mode:	LTE Band 5_TX CH20525_5M
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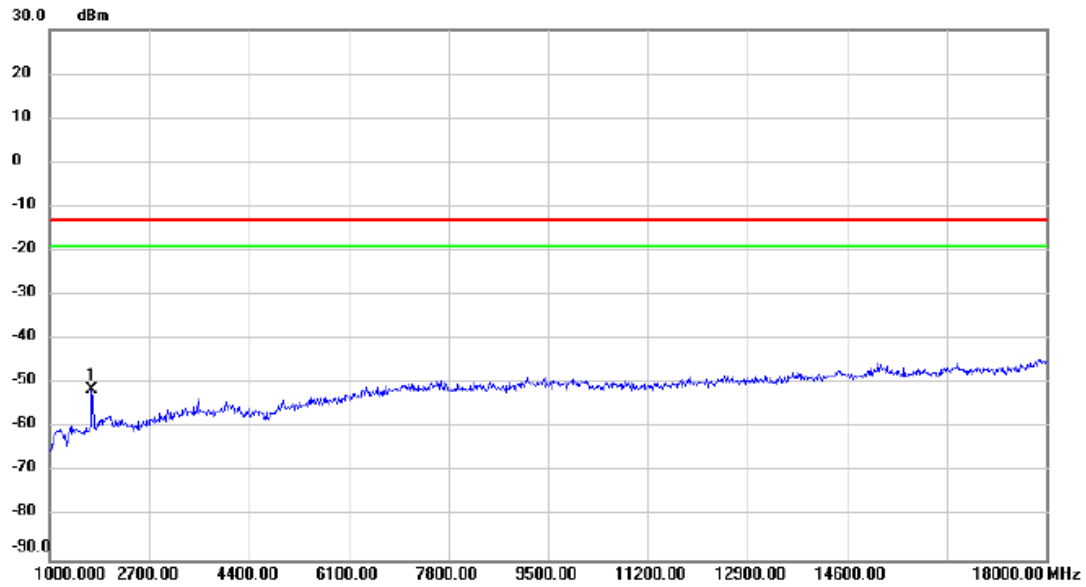
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1714.000	-57.14	6.93	-50.21	-13.00	-37.21	peak	

Test Mode: LTE Band 5_TX CH20525_5M

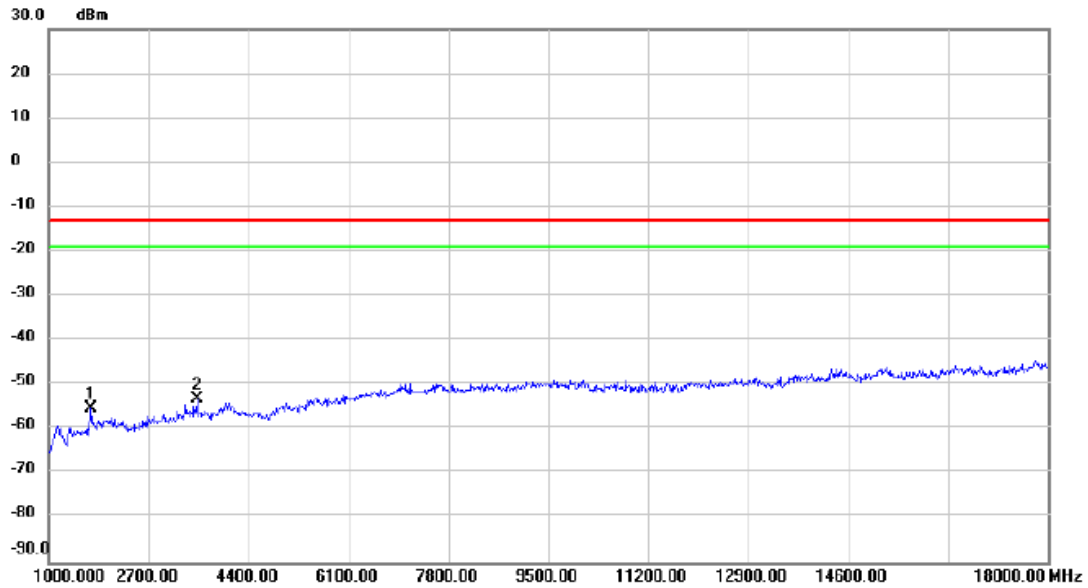
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1722.500	-58.43	6.99	-51.44	-13.00	-38.44	peak	

Test Mode: LTE Band 5_TX CH20525_10M

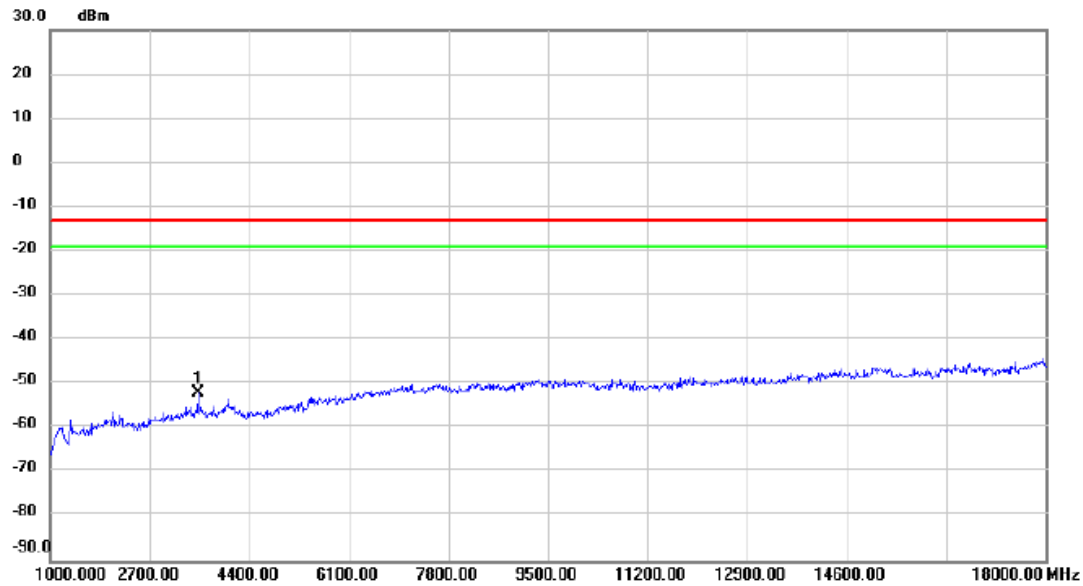
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		1714.000	-62.40	6.93	-55.47	-13.00	-42.47	peak	
2	*	3524.500	-66.28	12.89	-53.39	-13.00	-40.39	peak	

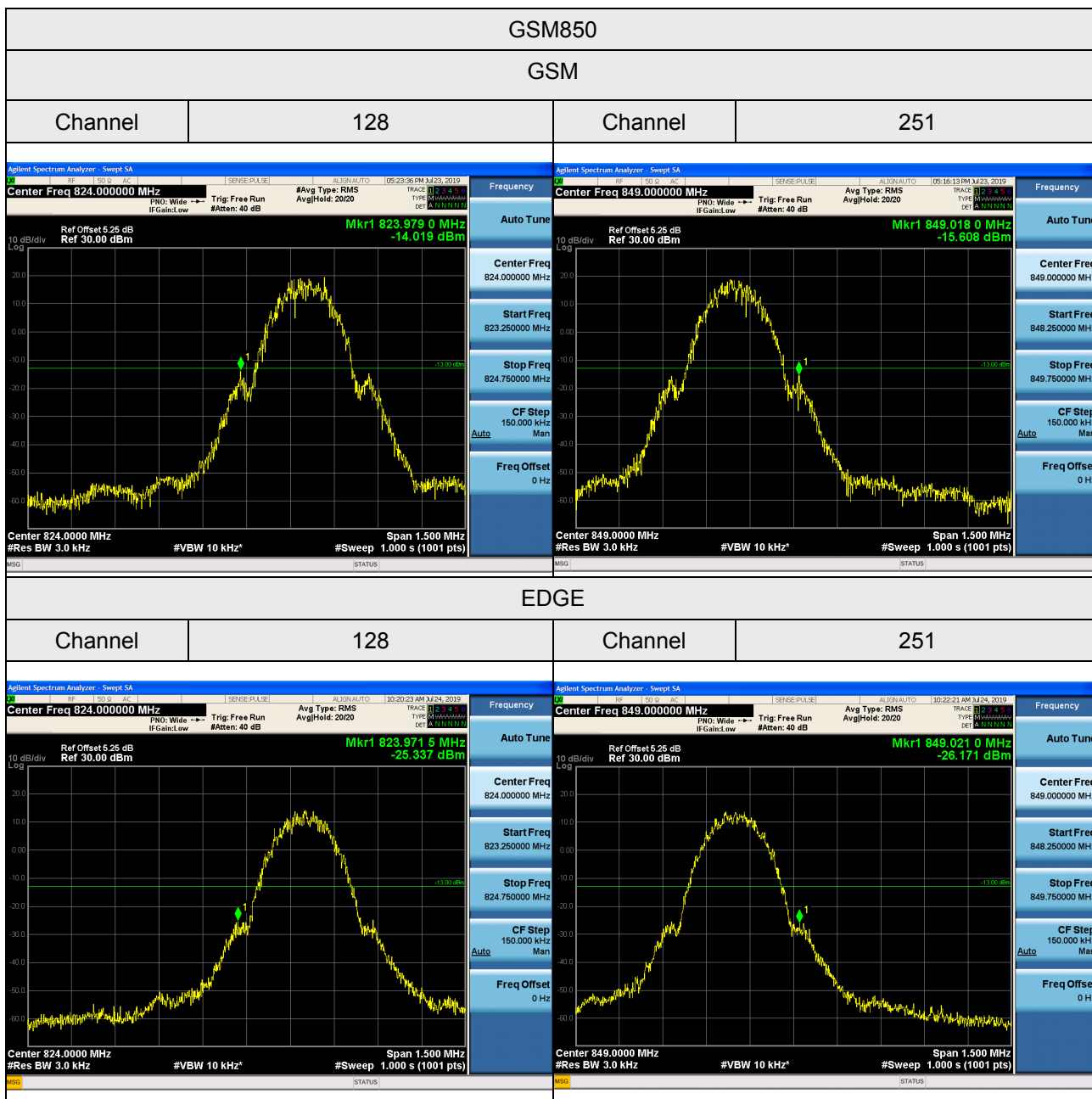
Test Mode: LTE Band 5_TX CH20525_10M

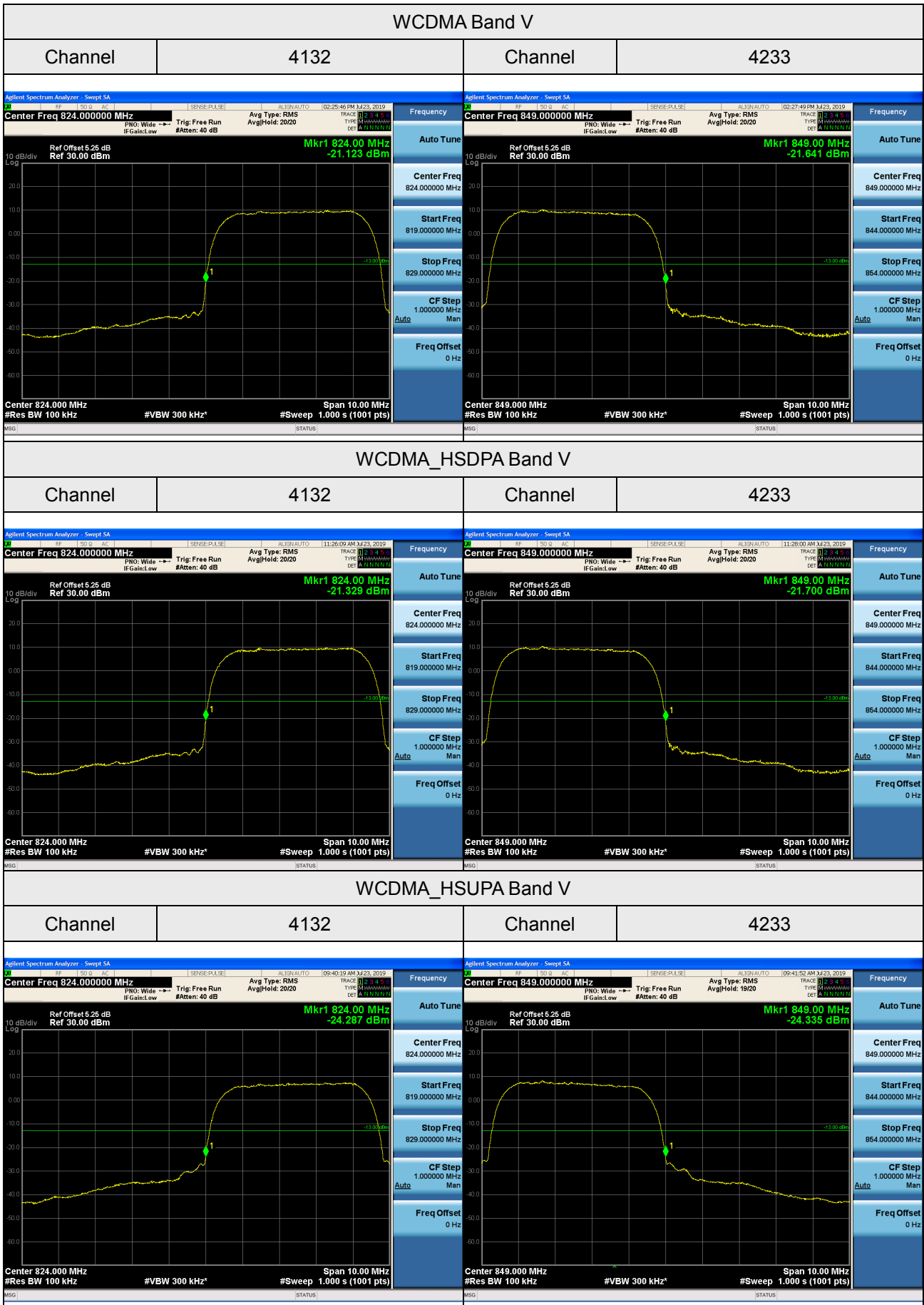
Horizontal

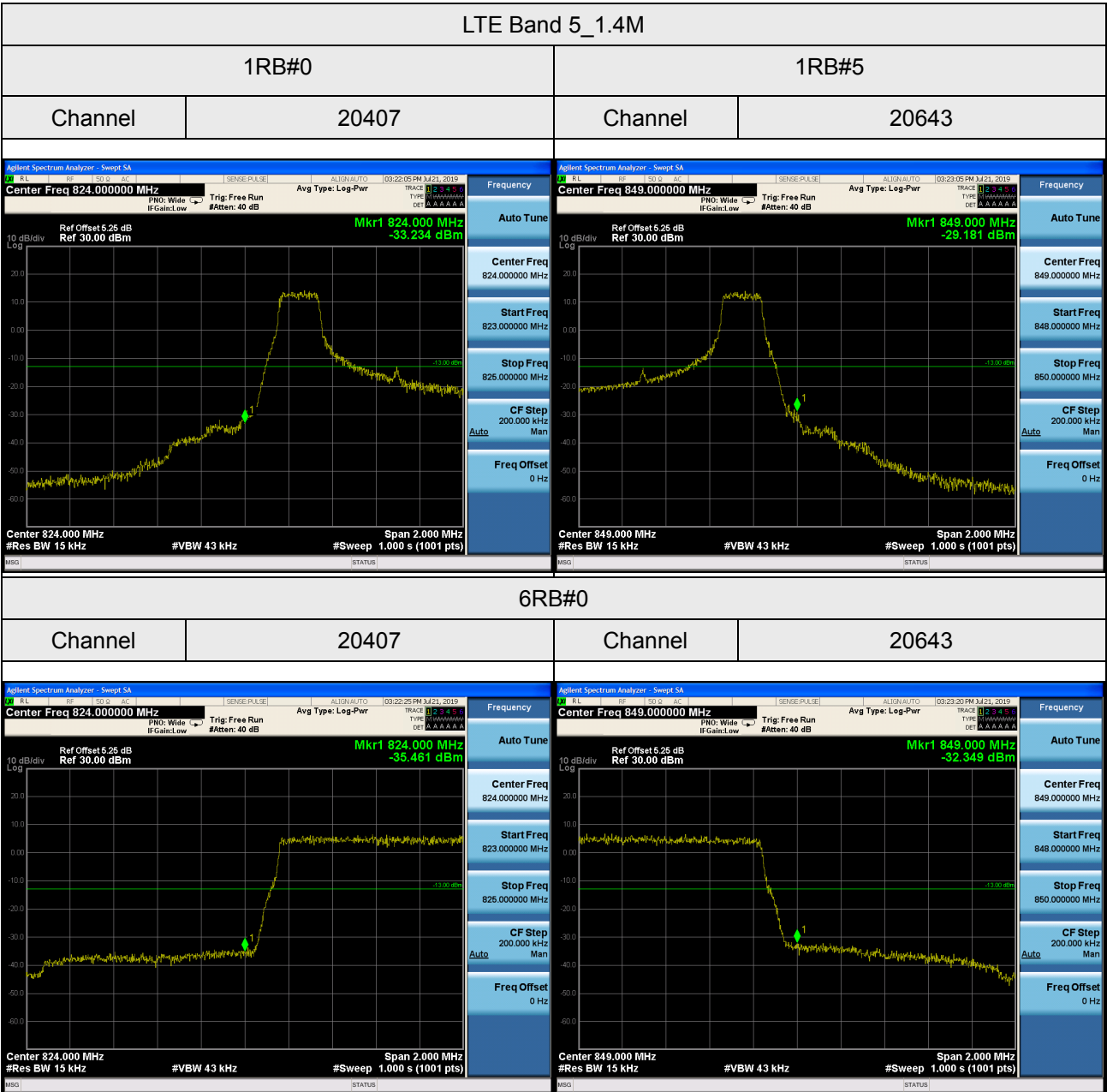


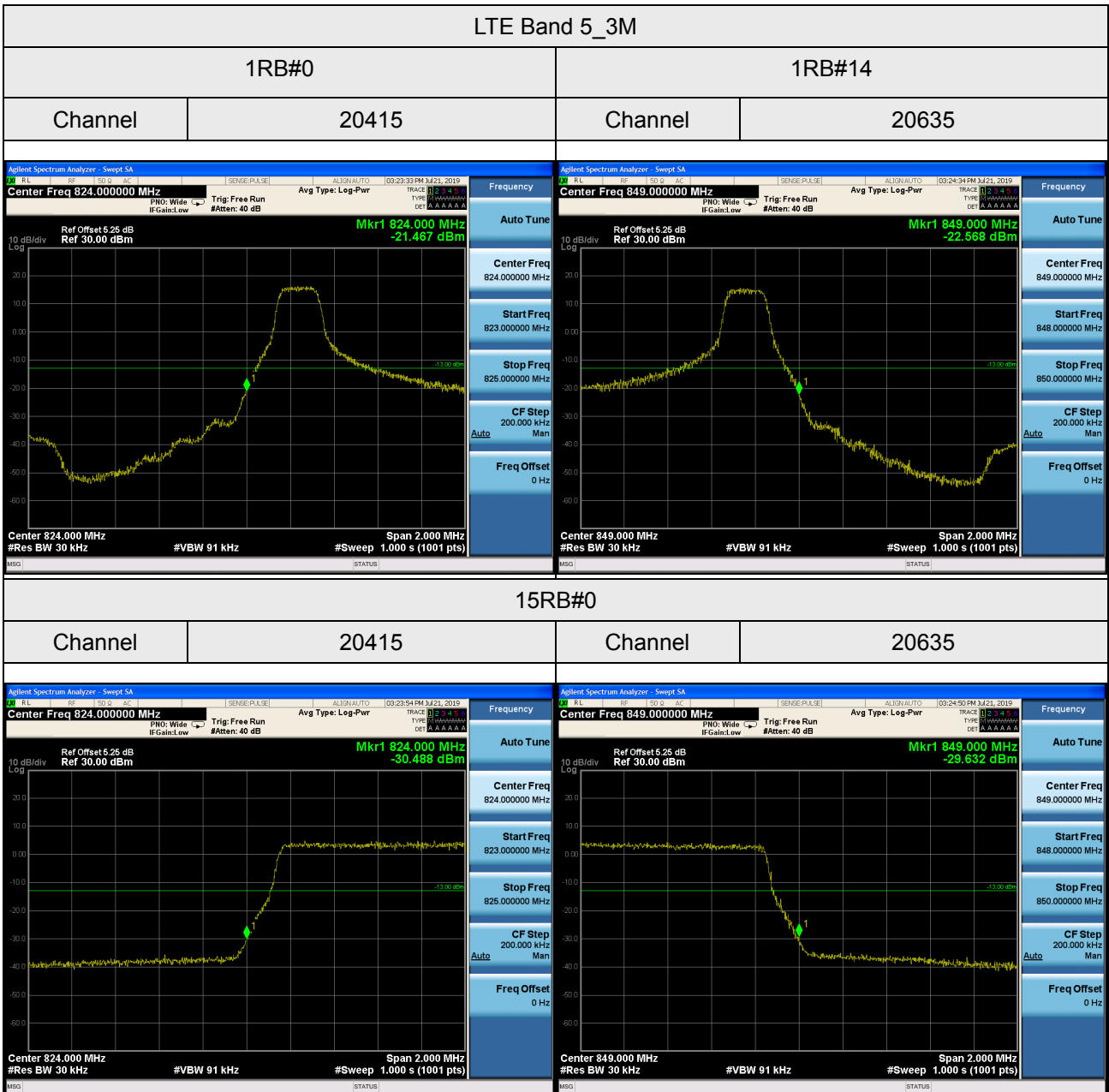
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3524.500	-65.04	12.89	-52.15	-13.00	-39.15	peak	

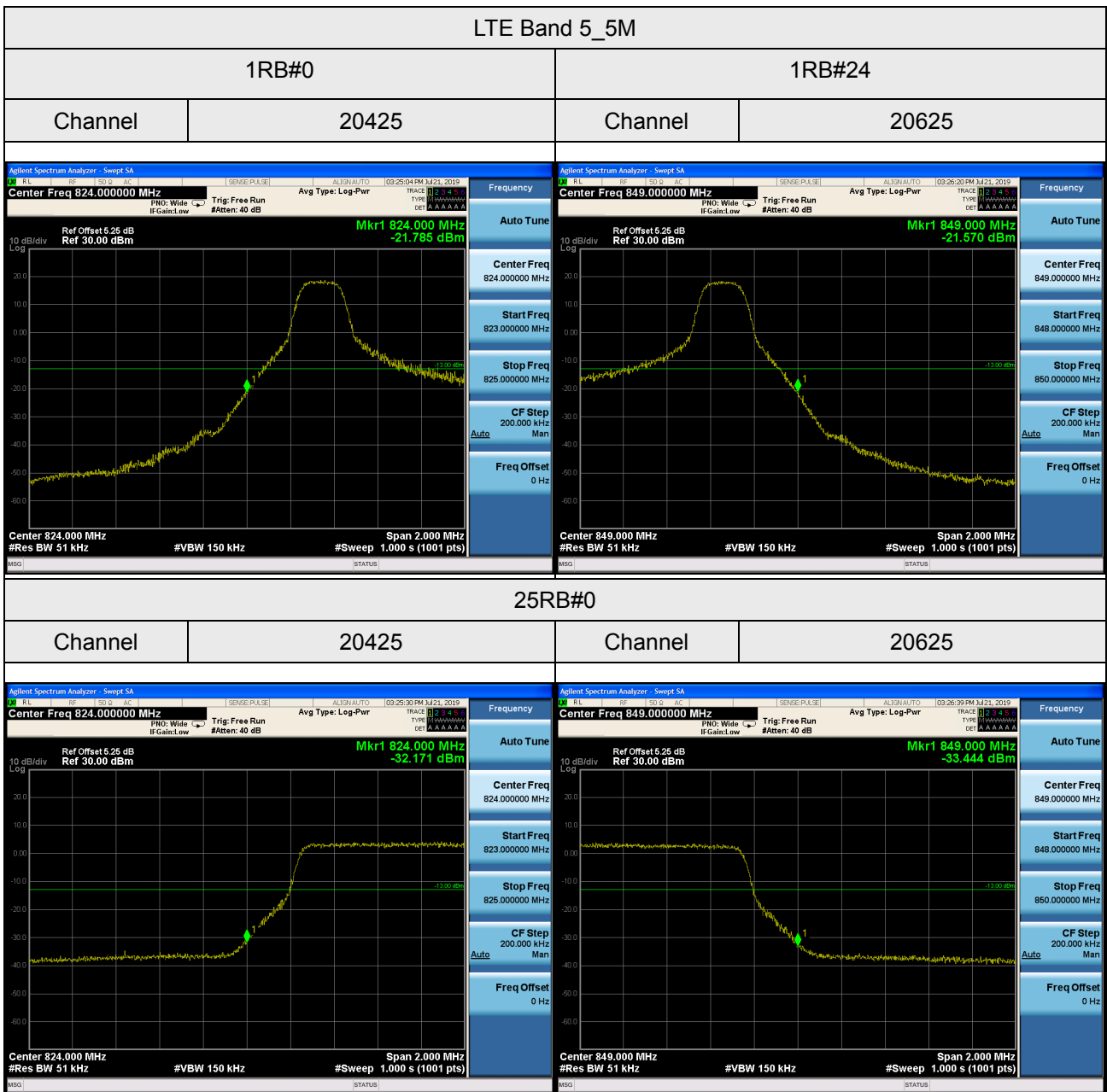
APPENDIX G - BAND EDGE

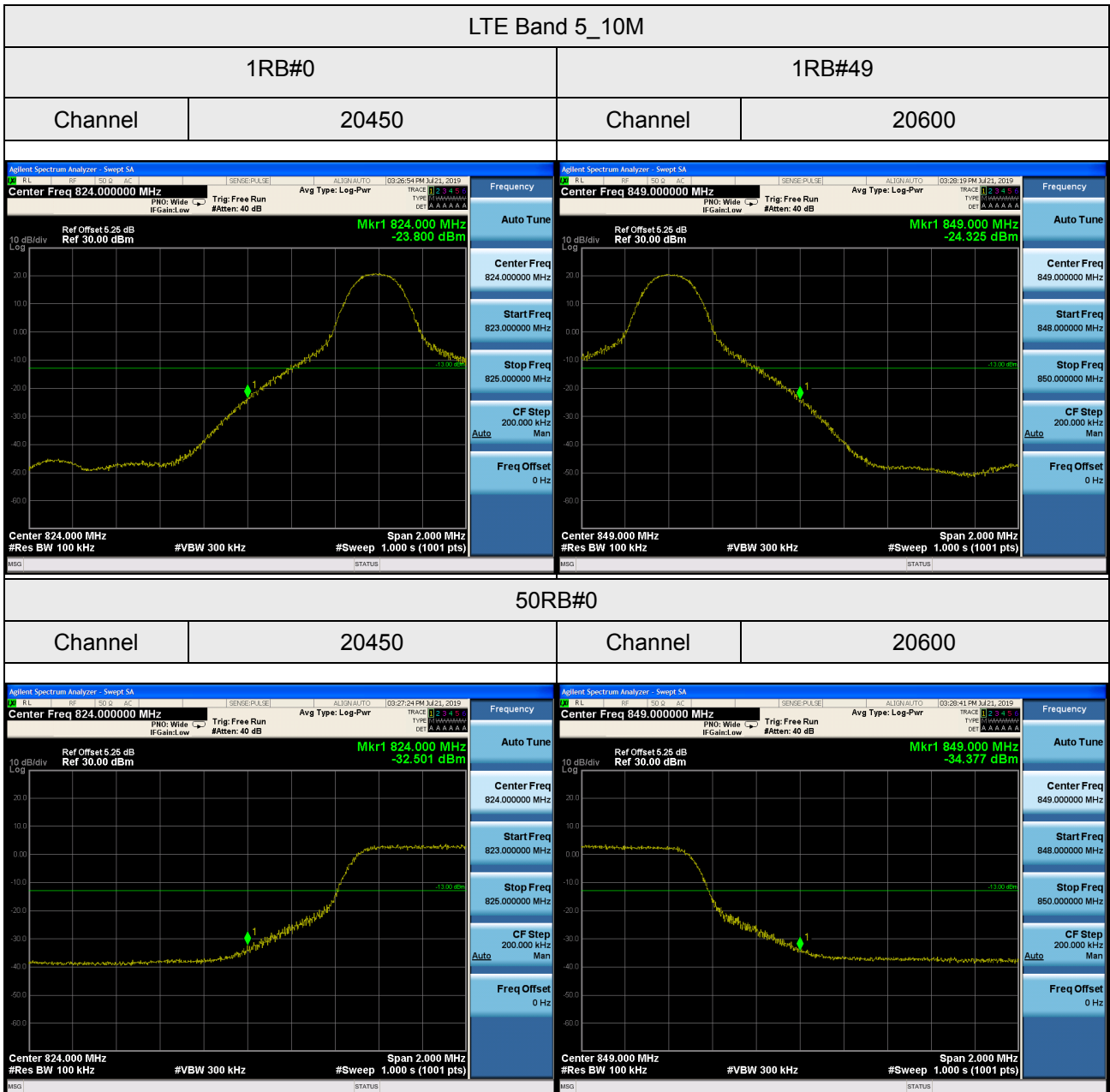






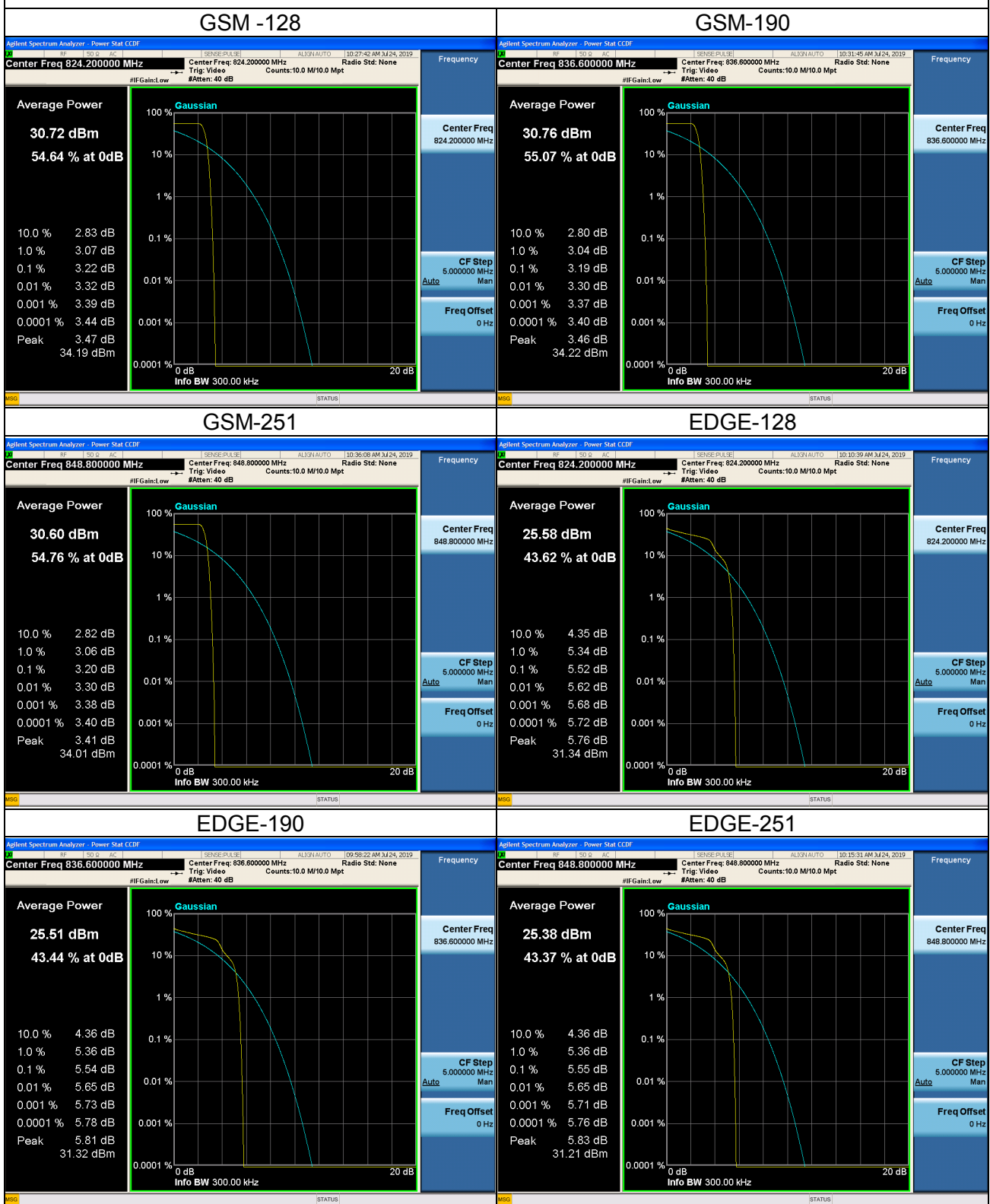






APPENDIX H - PEAK TO AVERAGE RATIO

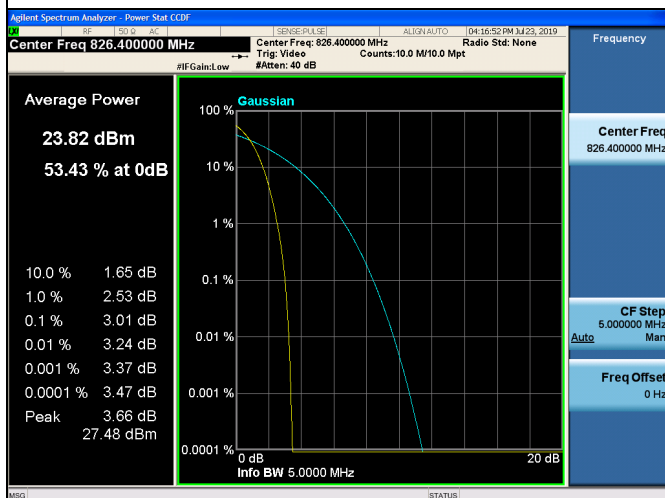
GSM 850 Spectrum Plot



WCDMA Band V Spectrum Plot

4132

4182



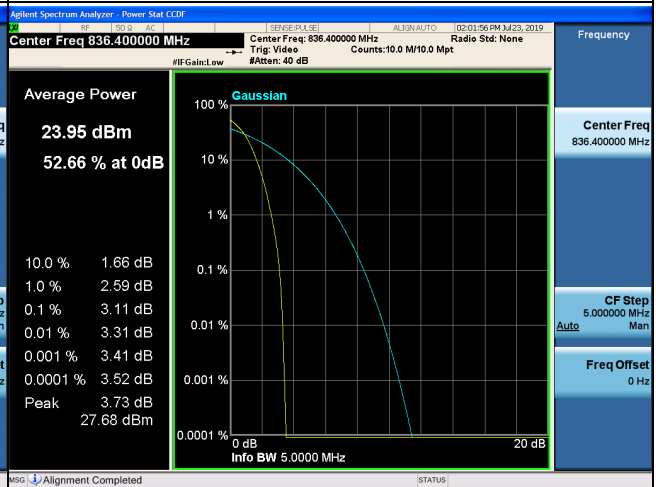
4233



WCDMA_HSDPA Band V Spectrum Plot

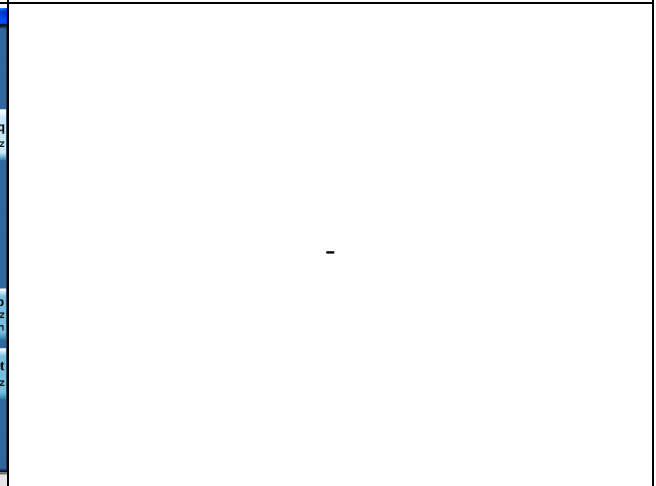
4132

4182



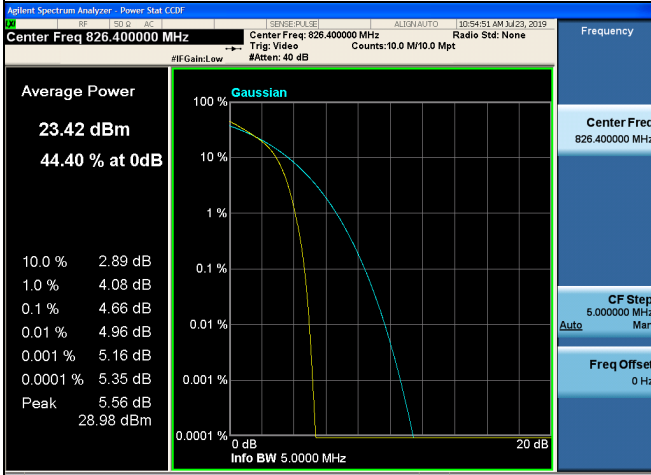
4233

-

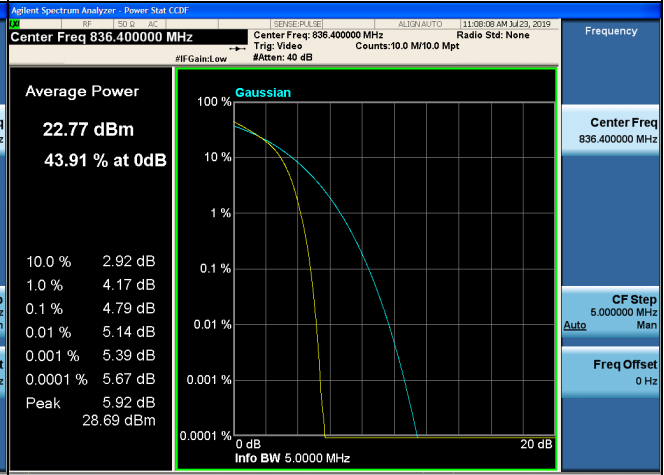


WCDMA_HSUPA Band V Spectrum Plot

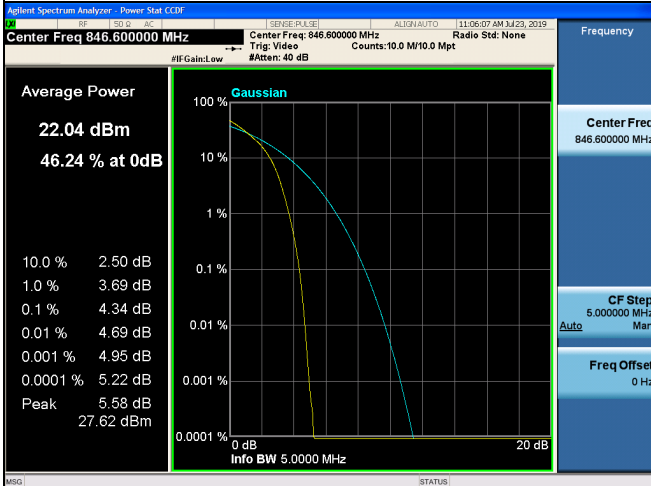
4132



4182



4233

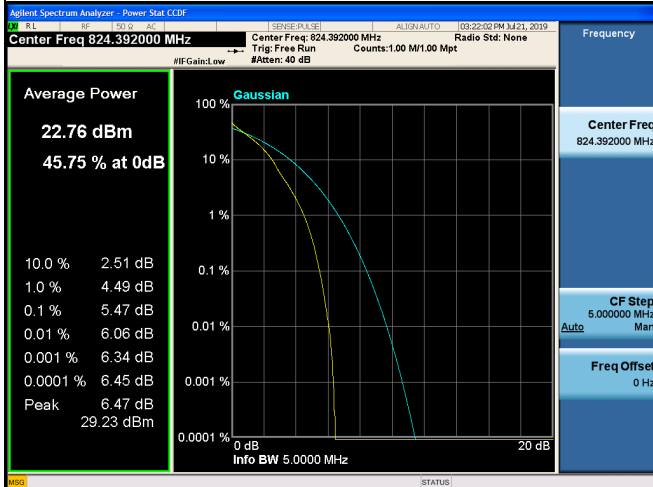


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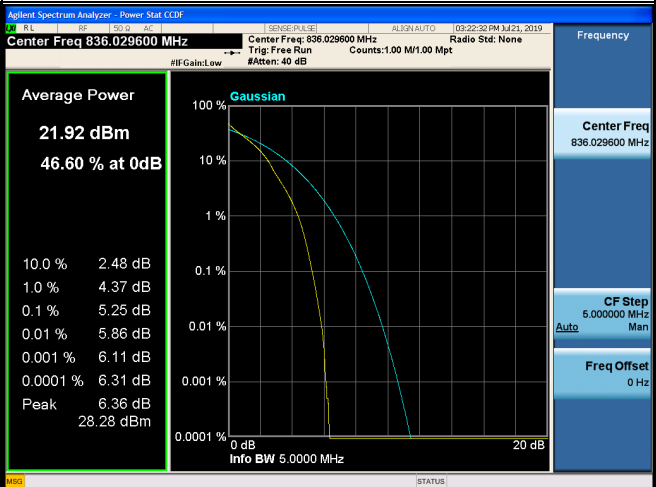
-

LTE Band 5 Spectrum Plot_1.4M

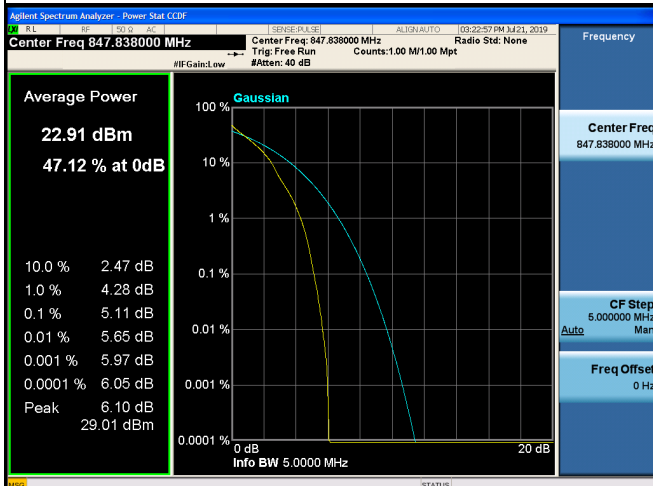
QPSK-20407



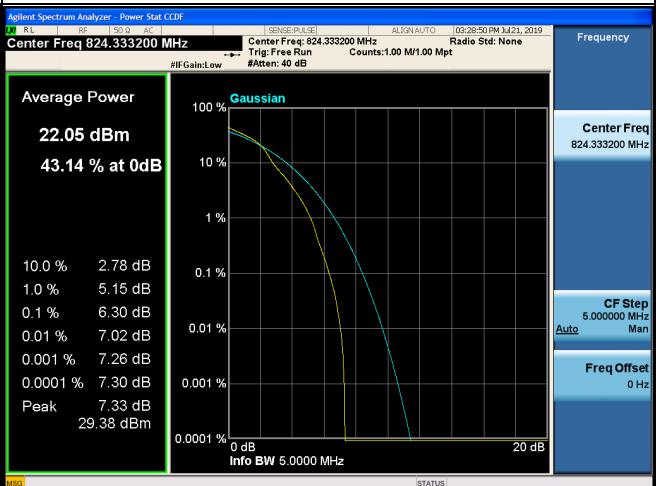
QPSK-20525



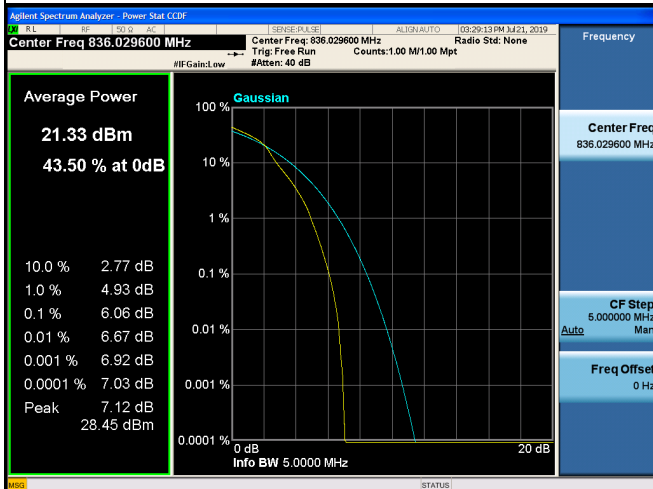
QPSK-20643



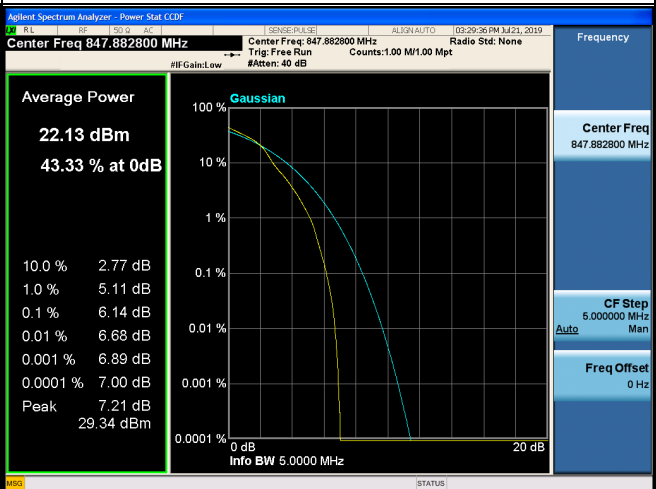
16QAM-20407



16QAM-20525

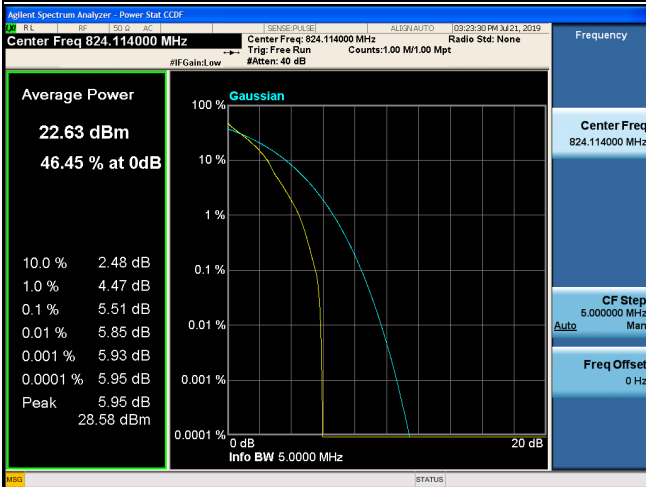


16QAM-20643

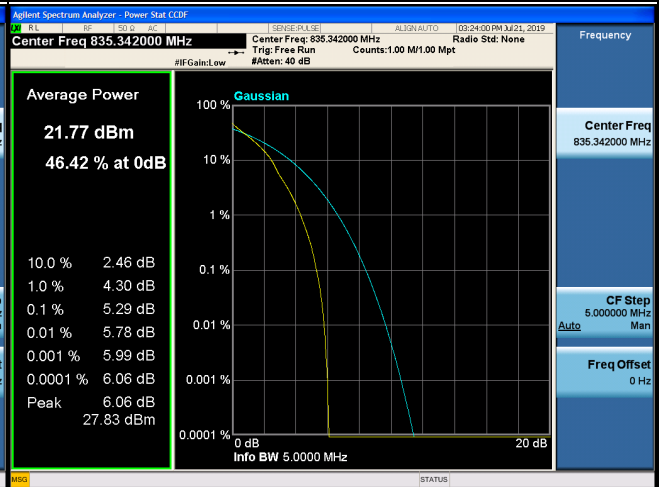


LTE Band 5 Spectrum Plot_3M

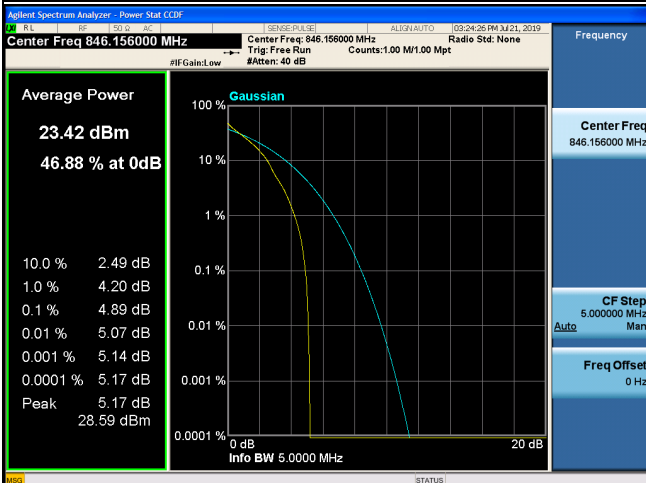
QPSK-20415



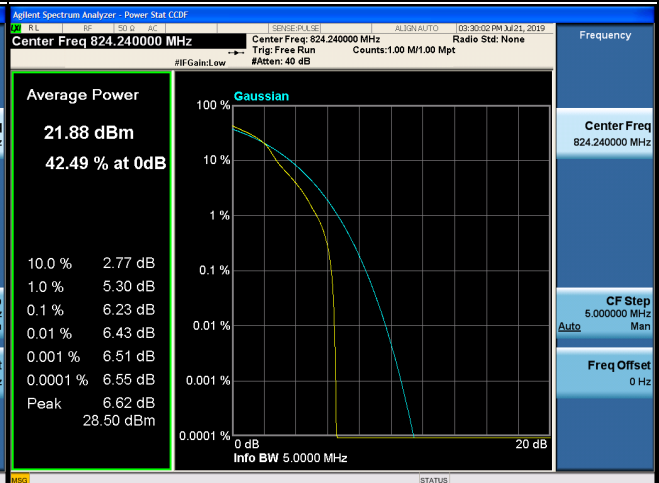
QPSK-20525



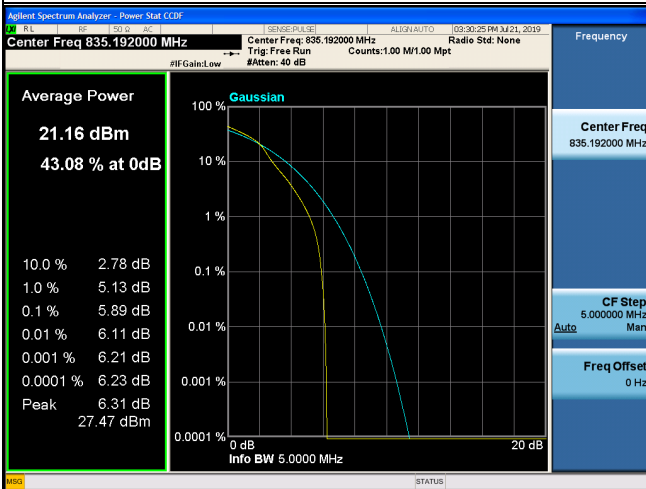
QPSK-20635



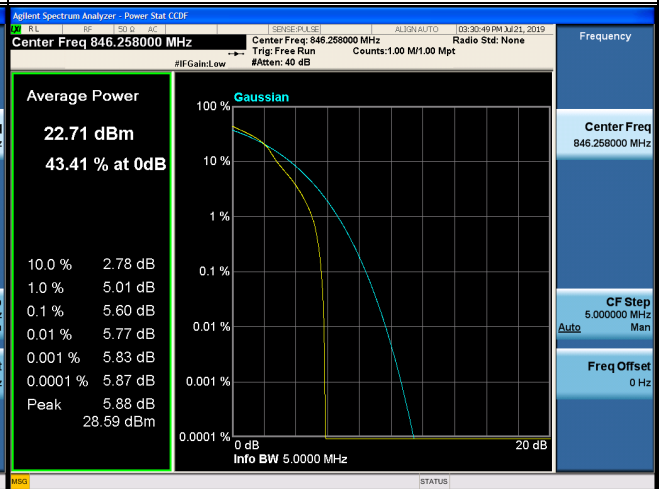
16QAM-20415



16QAM-20525

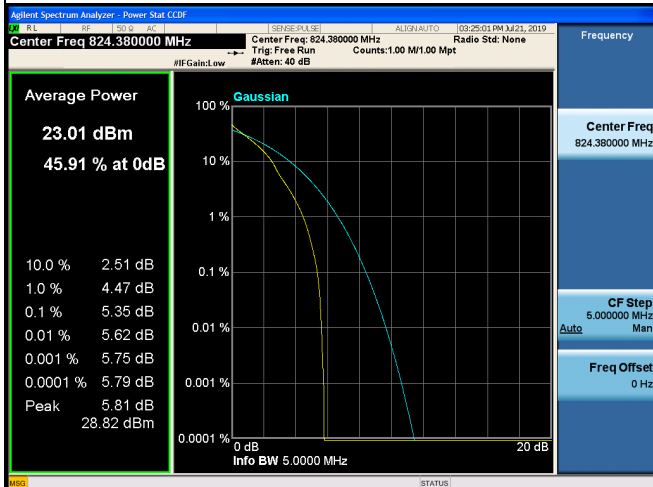


16QAM-20635

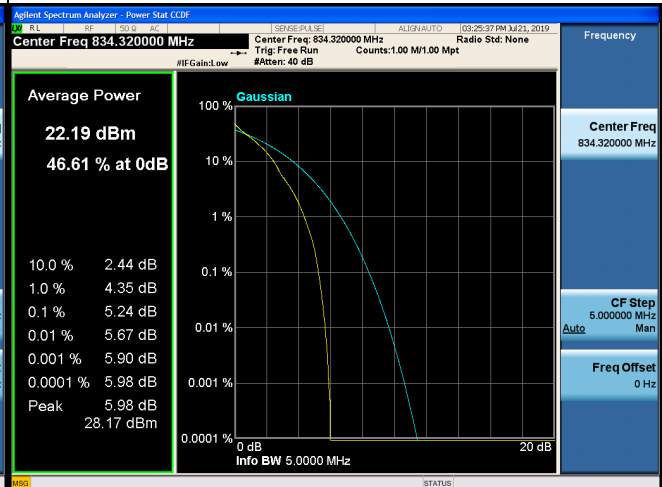


LTE Band 5 Spectrum Plot_5M

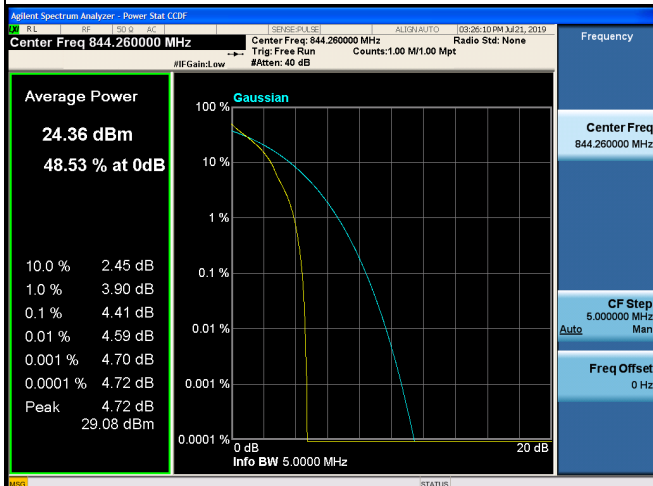
QPSK-20425



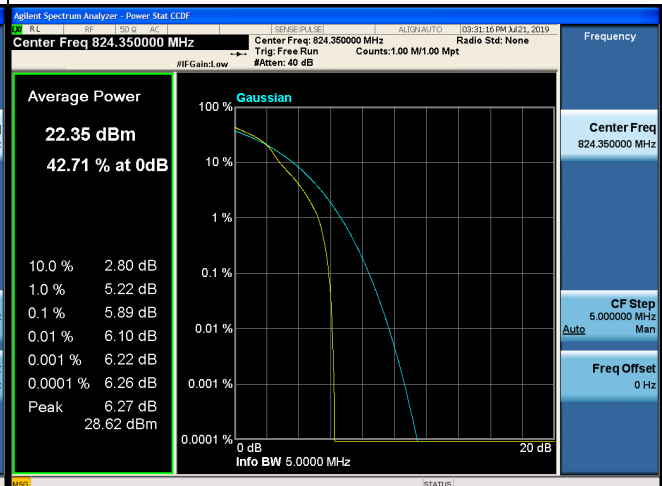
QPSK-20525



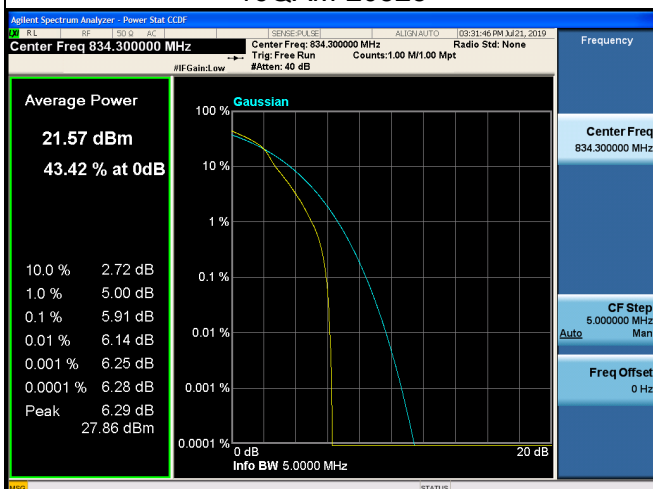
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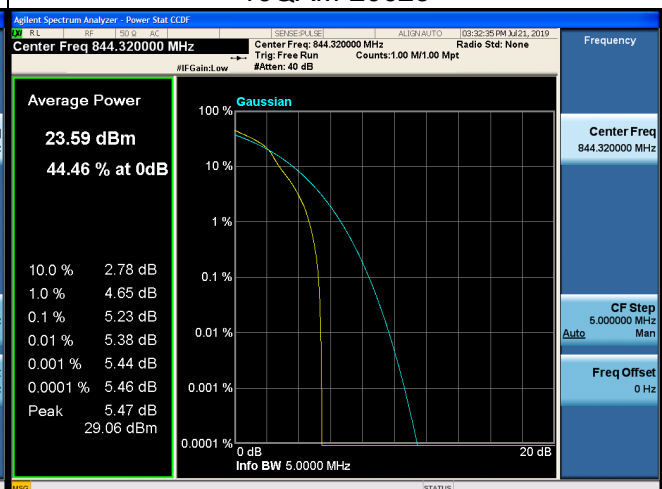
16QAM-20425



16QAM-20525

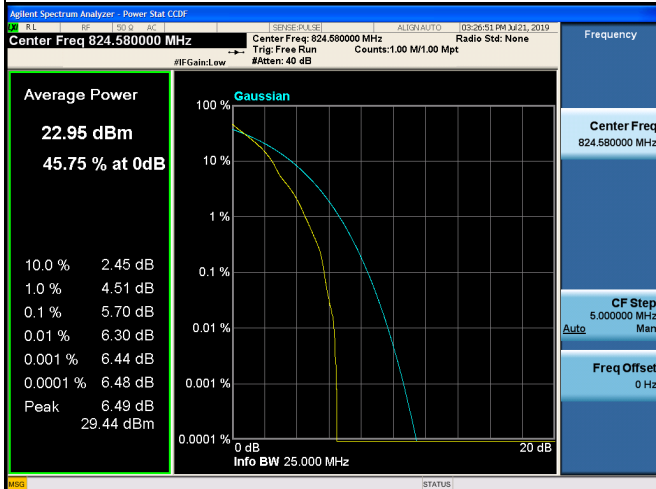


16QAM-20625

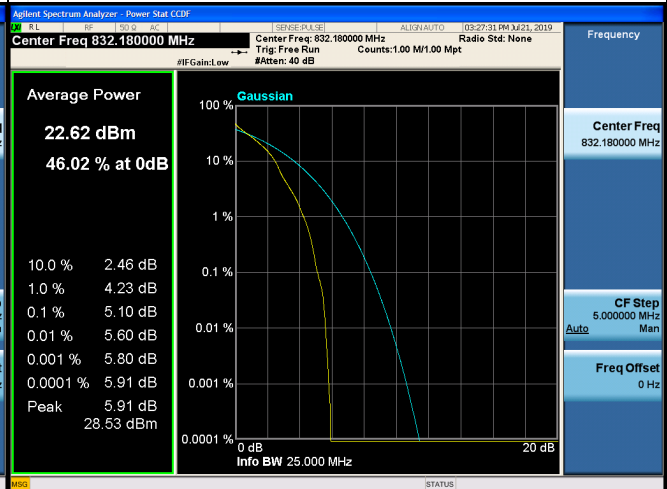


LTE Band 5 Spectrum Plot_10M

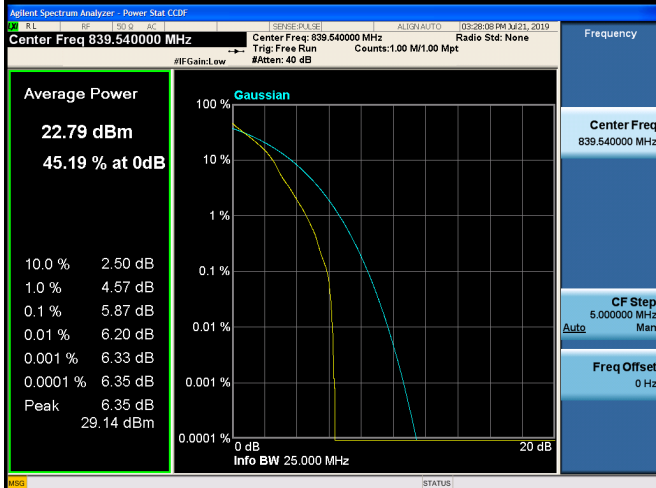
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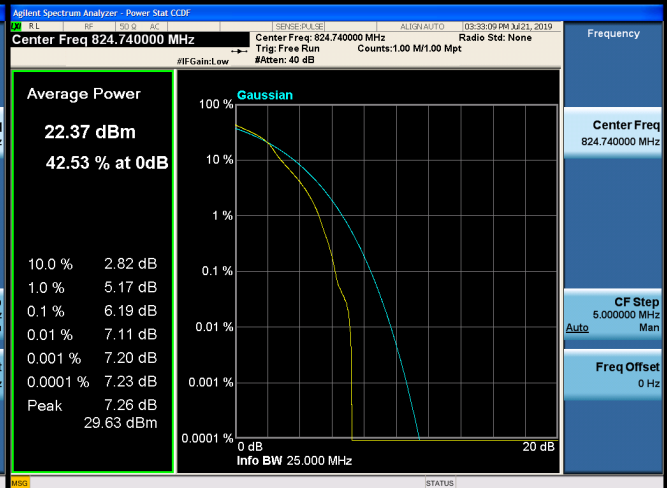
QPSK-20525



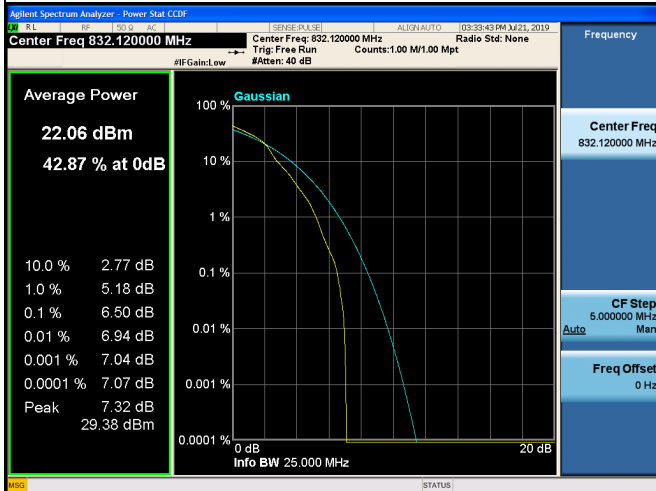
QPSK-20600



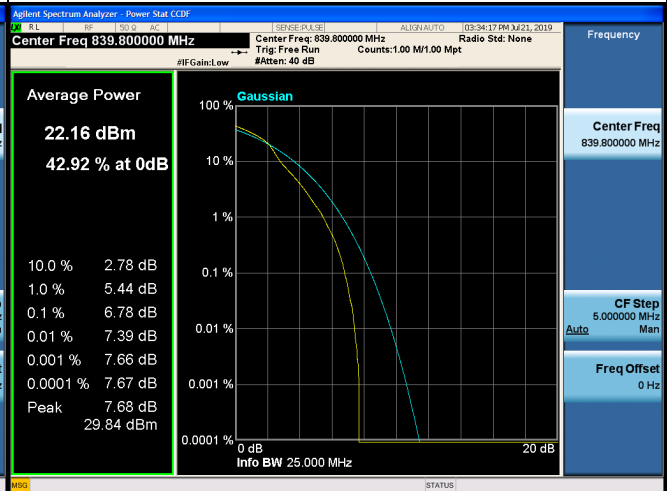
16QAM-20450



16QAM-20525



16QAM-20600



APPENDIX I - FREQUENCY STABILITY

Test Mode:	GSM850_CH190
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	4.55	0.00543868	± 2.5
-20	3.55	0.004243366	
-10	4.07	0.004864929	
0	4.78	0.005713603	
10	3.16	0.003777193	
20	5.59	0.006681807	
30	4.46	0.005331102	
40	3.18	0.0038011	
50	4.58	0.00547454	
60	3.63	0.004338991	
75	6.07	0.007255558	
Max. Deviation (ppm)	6.07	0.006681807	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.55	0.004243366	± 2.5
4.0	3.78	0.004518288	
4.2	3.04	0.003633756	
Max. Deviation (ppm)	3.78	0.004518288	

Test Mode: WCDMA Band V_CH4182

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	5.25	0.006276901	± 2.5
-20	4.74	0.005667145	
-10	4.43	0.005296509	
0	5.24	0.006264945	
10	6.31	0.007544237	
20	5.05	0.006037781	
30	7.22	0.008632233	
40	6.82	0.008153993	
50	3.82	0.004567193	
60	3.57	0.004268293	
75	4.77	0.005703013	
Max. Deviation (ppm)	7.22	0.008632233	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	2.06	0.002462936	± 2.5
4.0	1.24	0.001482544	
4.2	2.73	0.003263989	
Max. Deviation (ppm)	2.73	0.003263989	

Test Mode:	LTE Band 5_CH20525_1.4M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	6.36	0.007603108	± 2.5
-20	5.77	0.006897788	
-10	-2.39	-0.002857143	
0	6.18	0.007387926	
10	2.36	0.002821279	
20	-0.84	-0.001004184	
30	-0.50	-0.000597729	
40	5.80	0.006933652	
50	1.83	0.002187687	
60	1.87	0.002235505	
75	-4.58	-0.005475194	
Max. Deviation (ppm)	6.36	0.007603108	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	0.32	0.000382546	± 2.5
4.0	-6.99	-0.008356246	
4.2	-5.29	-0.006323969	
Max. Deviation (ppm)	-6.99	-0.008356246	

Test Mode: LTE Band 5_CH20525_3M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	3.28	0.0039211	± 2.5
-20	6.97	0.008332337	
-10	0.69	0.000824866	
0	0.33	0.000394501	
10	4.57	0.00546324	
20	-6.33	-0.007567244	
30	5.82	0.006957561	
40	-4.49	-0.005367603	
50	-4.24	-0.005068739	
60	1.29	0.00154214	
75	2.66	0.003179916	
Max. Deviation (ppm)	6.97	0.008332337	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.47	0.004148237	± 2.5
4.0	6.21	0.00742379	
4.2	-1.33	-0.001589958	
Max. Deviation (ppm)	6.21	0.00742379	

Test Mode: LTE Band 5_CH20525_5M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	6.06	0.007244471	± 2.5
-20	6.46	0.007722654	
-10	2.48	0.002964734	
0	-3.46	-0.004136282	
10	-2.89	-0.003454871	
20	6.74	0.008057382	
30	5.88	0.007029289	
40	4.77	0.005702331	
50	-6.47	-0.007734608	
60	6.02	0.007196653	
75	-2.90	-0.003466826	
Max. Deviation (ppm)	6.74	0.008057382	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	4.33	0.00517633	± 2.5
4.0	0.18	0.000215182	
4.2	2.17	0.002594142	
Max. Deviation (ppm)	4.33	0.00517633	

Test Mode: LTE Band 5_CH20525_10M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	4.97	0.005941423	± 2.5
-20	-5.66	-0.006766288	
-10	-0.62	-0.000741184	
0	-1.86	-0.002223551	
10	-0.53	-0.000633592	
20	5.47	0.006539151	
30	-3.99	-0.004769874	
40	-4.68	-0.00559474	
50	-5.81	-0.006945607	
60	1.23	0.001470412	
75	0.25	0.000298864	
Max. Deviation (ppm)	-5.81	-0.006945607	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	-2.22	-0.002653915	± 2.5
4.0	-1.60	-0.001912732	
4.2	3.69	0.004411237	
Max. Deviation (ppm)	3.69	0.004411237	

End of Test Report