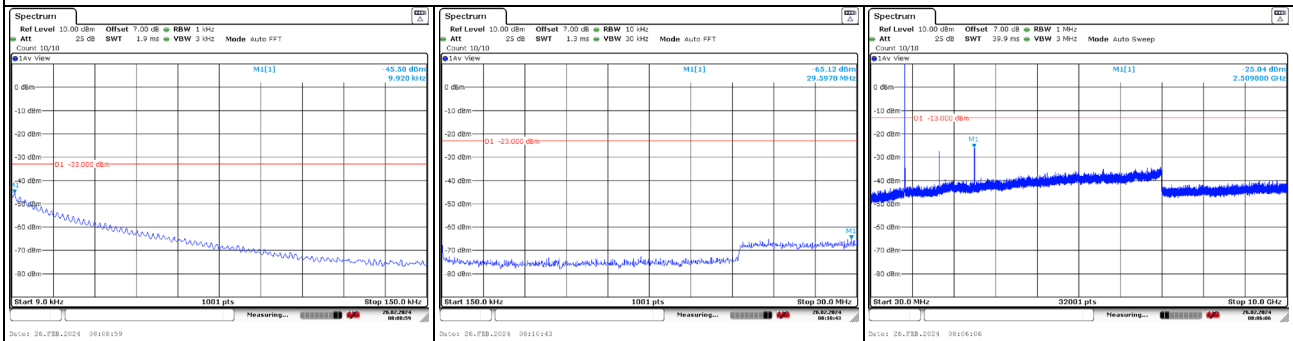
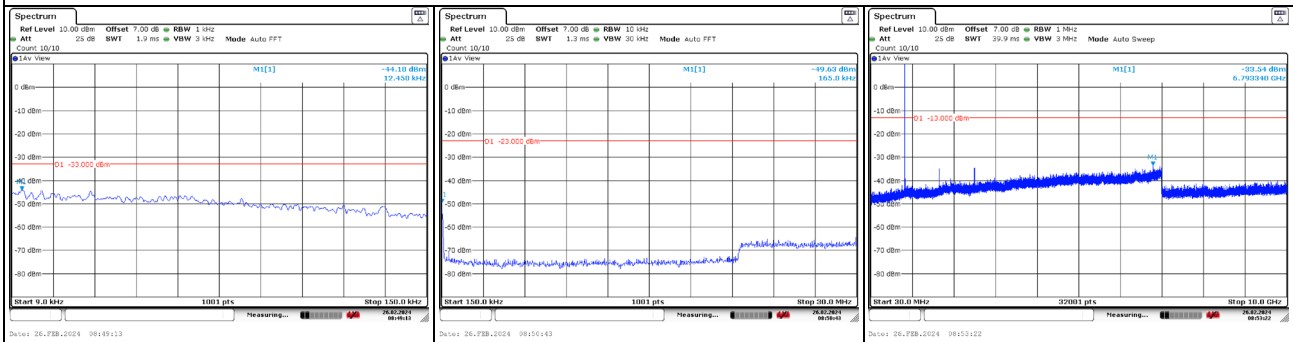


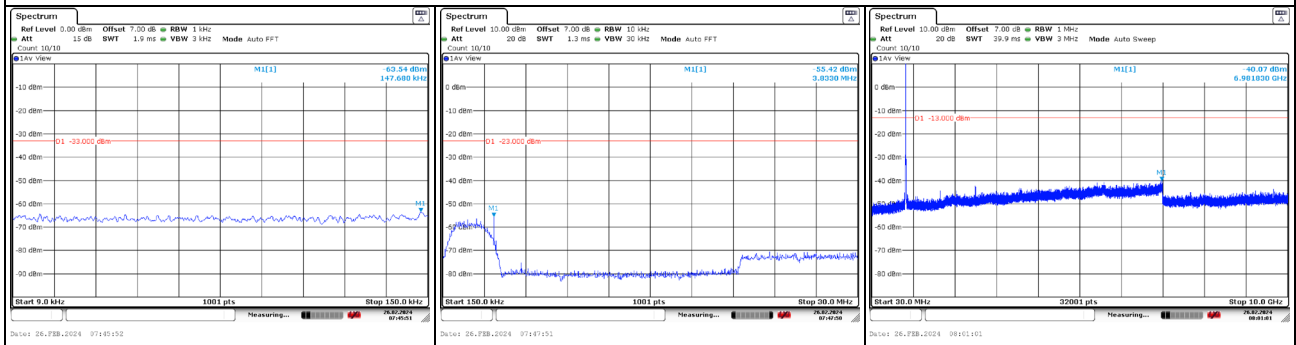
GSM850_GSM_CH190 Spectrum Plot



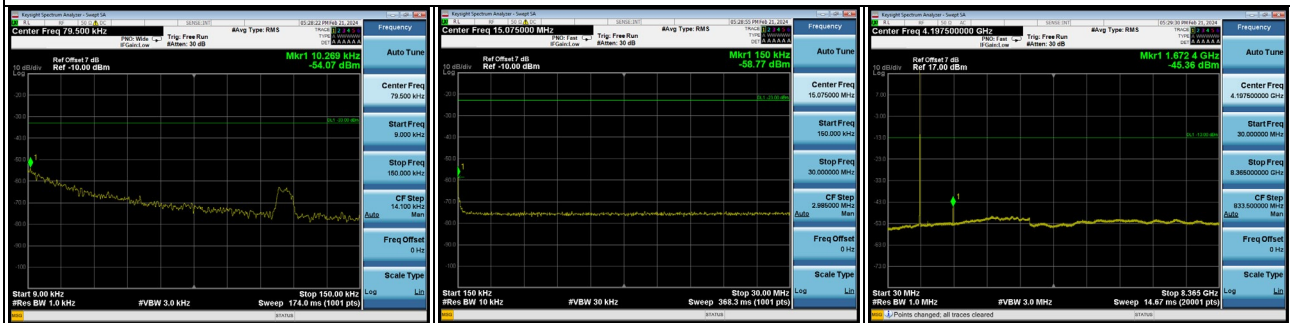
GSM850_EDGE_CH190 Spectrum Plot



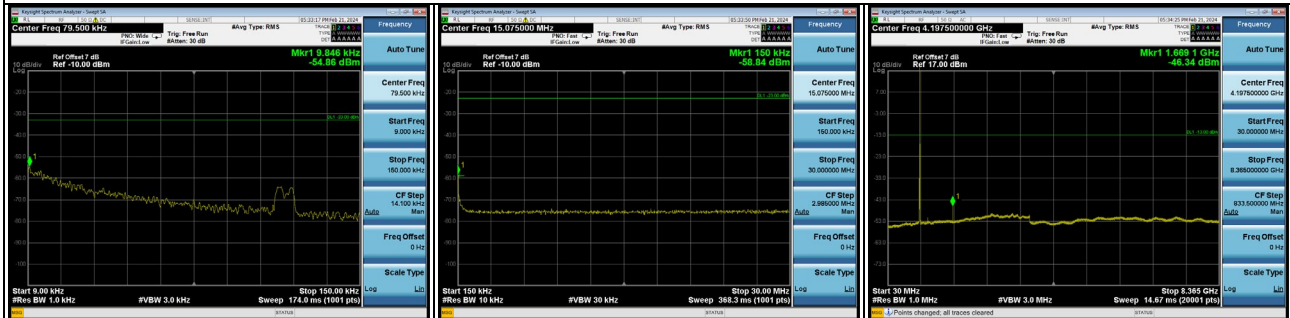
WCDMA Band V_WCDMA_CH4182 Spectrum Plot



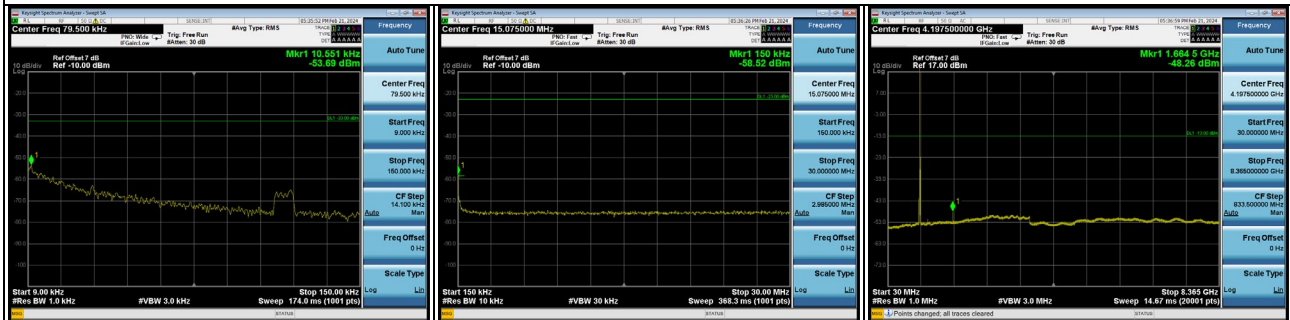
LTE Band 5_1.4MHz_CH20525 Spectrum Plot



LTE Band 5_5MHz_CH20525 Spectrum Plot



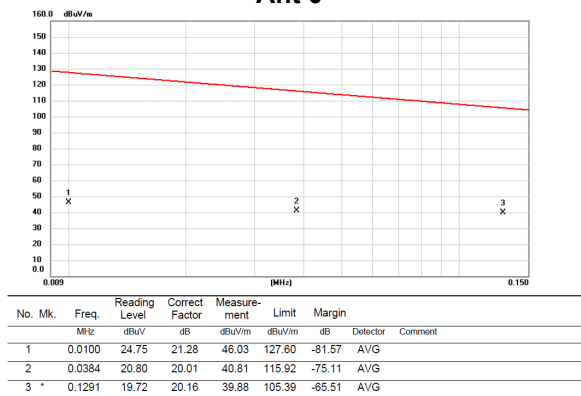
LTE Band 5_10M_CH20525 Spectrum Plot



APPENDIX D - RADIATED SPURIOUS EMISSIONS (9KHZ TO 30MHZ)

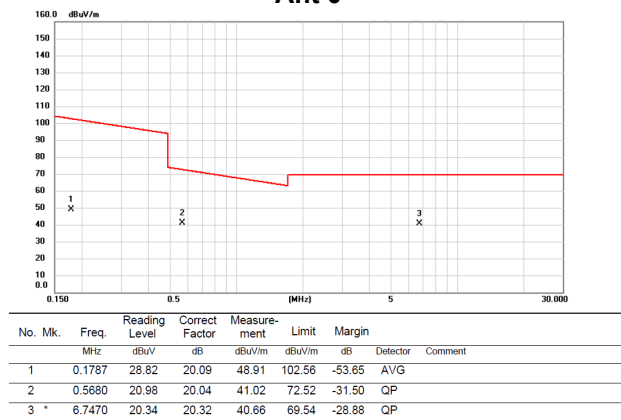
Test Mode : TX Mode

Ant 0°



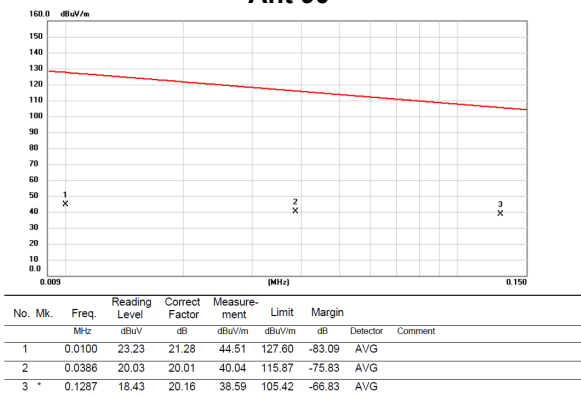
Test Mode : TX Mode

Ant 0°



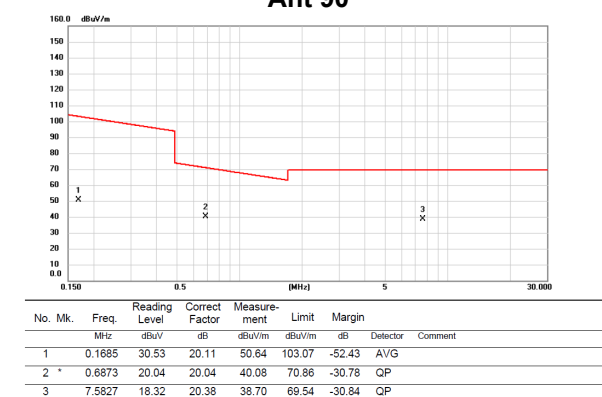
Test Mode : TX Mode

Ant 90°



Test Mode : TX Mode

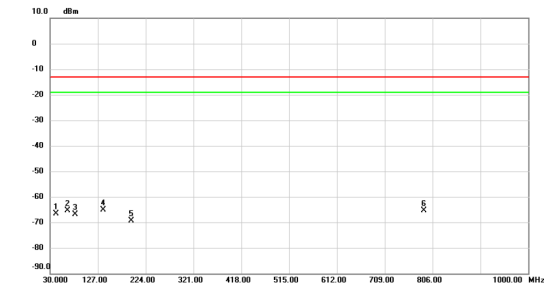
Ant 90°



APPENDIX E - RADIATED SPURIOUS EMISSIONS (30MHZ TO 1000MHZ)

Test Mode : GSM850_TX CH190_GSM

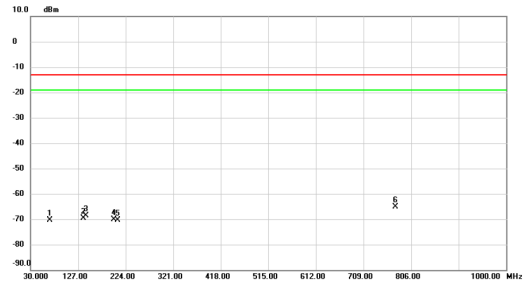
Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	42.1250	-54.25	-12.38	-66.63	-13.00	-53.63	peak	
2	65.8900	-51.88	-13.42	-65.30	-13.00	-52.30	peak	
3	81.4100	-50.11	-16.78	-66.89	-13.00	-53.89	peak	
4 *	137.6700	-52.60	-12.61	-65.21	-13.00	-52.21	peak	
5	195.3850	-54.84	-14.60	-69.44	-13.00	-56.44	peak	
6	788.5400	-64.30	-1.01	-65.31	-13.00	-52.31	peak	

Test Mode : GSM850_TX CH190_GSM

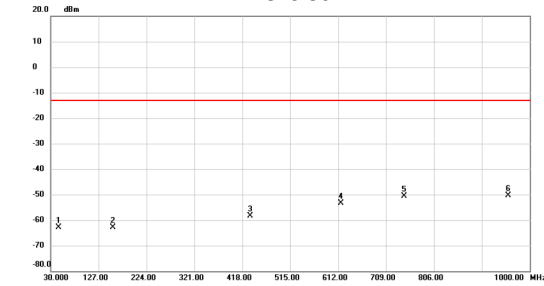
Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	66.8000	-56.37	-13.95	-70.32	-13.00	-57.32	peak	
2	138.1550	-57.12	-12.57	-69.69	-13.00	-56.69	peak	
3	143.0050	-56.49	-12.20	-68.69	-13.00	-55.69	peak	
4	200.2350	-55.30	-14.88	-70.18	-13.00	-57.18	peak	
5	207.5100	-55.37	-15.00	-70.37	-13.00	-57.37	peak	
6 *	774.4750	-64.11	-1.07	-65.18	-13.00	-52.18	peak	

Test Mode : WCDMA Band V_TX CH4182

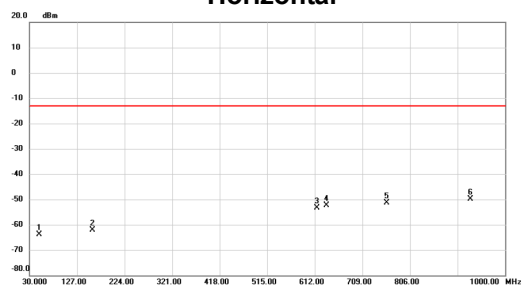
Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	45.5200	-72.45	9.65	-62.80	-13.00	-49.80	peak	
2	156.5850	-72.92	10.03	-62.89	-13.00	-49.89	peak	
3	434.4900	-72.41	13.93	-58.48	-13.00	-45.48	peak	
4	617.3350	-71.21	17.82	-53.39	-13.00	-40.39	peak	
5	746.3450	-71.14	20.45	-50.69	-13.00	-37.69	peak	
6 *	956.8350	-72.39	22.11	-50.28	-13.00	-37.28	peak	

Test Mode : WCDMA Band V_TX CH4182

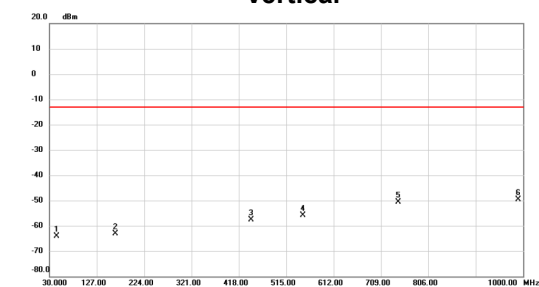
Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	49.4000	-61.83	-1.97	-63.80	-13.00	-50.80	peak	
2	158.0400	-60.44	-1.69	-62.13	-13.00	-49.13	peak	
3	616.8500	-59.32	6.07	-53.25	-13.00	-40.25	peak	
4	635.2800	-58.76	6.39	-52.37	-13.00	-39.37	peak	
5	758.9550	-60.14	8.87	-51.27	-13.00	-38.27	peak	
6 *	929.1900	-59.88	10.10	-49.78	-13.00	-36.78	peak	

Test Mode : LTE Band 5_TX CH20525_1.4MHz

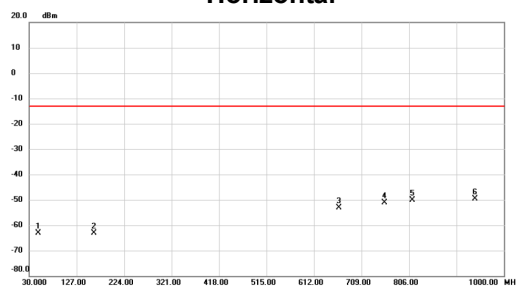
Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	44.5500	-73.81	9.60	-64.21	-13.00	-51.21	peak	
2	165.3150	-73.09	9.89	-63.20	-13.00	-50.20	peak	
3	443.7050	-71.87	14.22	-57.65	-13.00	-44.65	peak	
4	548.9500	-71.88	16.08	-55.80	-13.00	-42.80	peak	
5	744.8900	-71.11	20.41	-50.70	-13.00	-37.70	peak	
6	990.7850	-71.95	22.22	-49.73	-13.00	-36.73	peak	

Test Mode : LTE Band 5_TX CH20525_1.4MHz

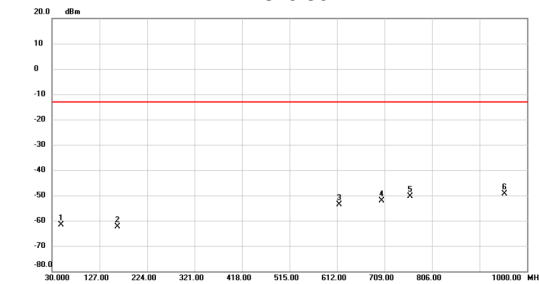
Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	48.9150	-72.84	9.75	-63.09	-13.00	-50.09	peak	
2	162.8900	-73.20	9.96	-63.24	-13.00	-50.24	peak	
3	662.4400	-71.55	18.53	-53.02	-13.00	-40.02	peak	
4	755.5600	-71.74	20.60	-51.14	-13.00	-38.14	peak	
5	813.2750	-71.03	20.80	-50.23	-13.00	-37.23	peak	
6	941.3150	-71.67	21.98	-49.69	-13.00	-36.69	peak	

Test Mode : LTE Band 5_TX CH20525_5MHz

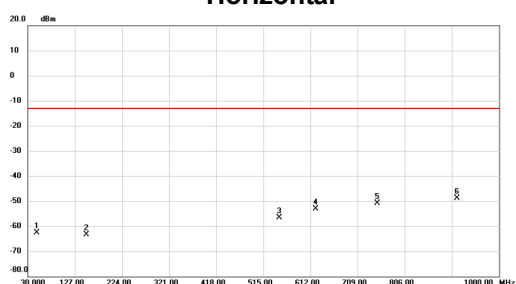
Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	48.4300	-71.23	9.73	-61.50	-13.00	-48.50	peak	
2	164.3450	-72.18	9.92	-62.26	-13.00	-49.26	peak	
3	616.8500	-71.50	17.81	-53.69	-13.00	-40.69	peak	
4	702.6950	-71.20	19.09	-52.11	-13.00	-39.11	peak	
5	760.8950	-70.97	20.61	-50.36	-13.00	-37.36	peak	
6	954.4100	-71.44	22.09	-49.35	-13.00	-36.35	peak	

Test Mode : LTE Band 5_TX CH20525_5MHz

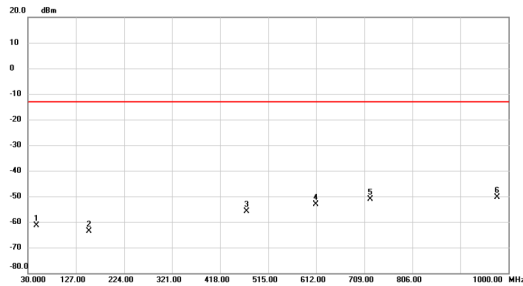
Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	48.9150	-72.39	9.75	-62.64	-13.00	-49.64	peak	
2	150.7650	-73.28	10.03	-63.25	-13.00	-50.25	peak	
3	548.4850	-72.58	16.07	-56.51	-13.00	-43.51	peak	
4	622.6700	-71.06	17.91	-53.15	-13.00	-40.15	peak	
5	749.2550	-71.54	20.55	-50.99	-13.00	-37.99	peak	
6	914.1550	-70.58	21.67	-48.91	-13.00	-35.91	peak	

Test Mode : LTE Band 5_TX CH20525_10MHz

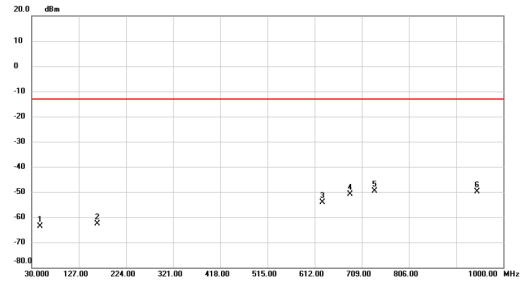
Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	47.9450	-71.06	9.72	-61.34	-13.00	-48.34	peak	
2	153.8750	-73.59	10.04	-63.55	-13.00	-50.55	peak	
3	471.8350	-70.58	14.75	-55.83	-13.00	-42.83	peak	
4	611.0300	-70.83	17.71	-53.12	-13.00	-40.12	peak	
5	721.6100	-70.81	19.68	-51.13	-13.00	-38.13	peak	
6 *	977.6900	-72.47	22.18	-50.29	-13.00	-37.29	peak	

Test Mode : LTE Band 5_TX CH20525_10MHz

Horizontal

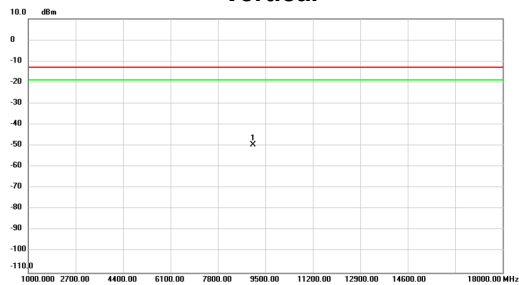


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	47.9450	-73.41	9.71	-63.70	-13.00	-50.70	peak	
2	164.8300	-72.62	9.90	-62.72	-13.00	-49.72	peak	
3	628.0050	-72.20	18.00	-54.20	-13.00	-41.20	peak	
4	684.7500	-69.62	18.81	-50.81	-13.00	-37.81	peak	
5 *	735.1900	-69.60	20.10	-49.50	-13.00	-36.50	peak	
6	946.1650	-71.79	22.04	-49.75	-13.00	-36.75	peak	

APPENDIX F - RADIATED SPURIOUS EMISSIONS (ABOVE 1000MHZ)

Test Mode : GSM850_TX CH190_GSM

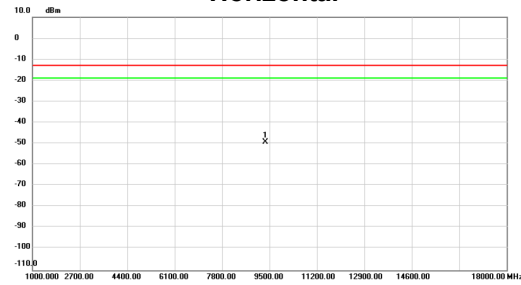
Vertical



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBm	dB	dBm	dBm	dB		
1 *	9066.500	-68.24	18.84	-49.40	-13.00	-36.40	peak	

Test Mode : GSM850_TX CH190_GSM

Horizontal



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBm	dB	dBm	dBm	dB		
1 *	9355.500	-68.03	18.80	-49.23	-13.00	-36.23	peak	

Test Mode : WCDMA Band V_TX CH4182

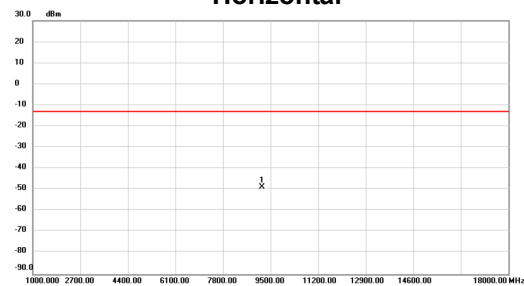
Vertical



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBm	dB	dBm	dBm	dB		
1 *	9211.000	-67.87	18.83	-49.04	-13.00	-36.04	peak	

Test Mode : WCDMA Band V_TX CH4182

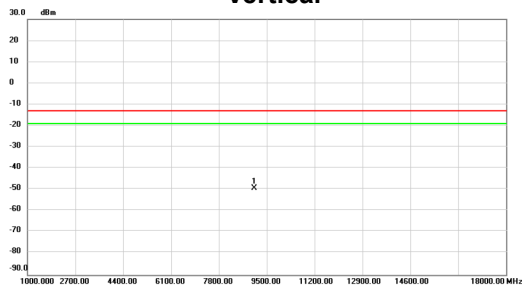
Horizontal



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBm	dB	dBm	dBm	dB		
1 *	9194.000	-67.67	18.83	-48.84	-13.00	-35.84	peak	

Test Mode : LTE Band 5_TX CH20525_1.4MHz

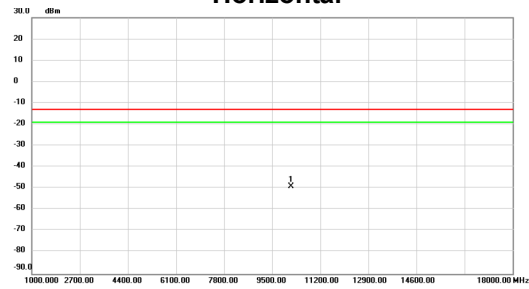
Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1 *	9049.500	-68.24	18.85	-49.39	-13.00	-36.39	peak	

Test Mode : LTE Band 5_TX CH20525_1.4MHz

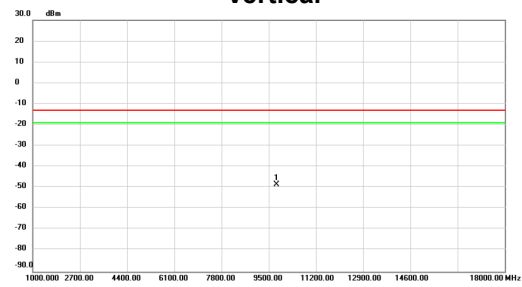
Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1 *	10171.500	-67.64	18.69	-48.95	-13.00	-35.95	peak	

Test Mode : LTE Band 5_TX CH20525_5MHz

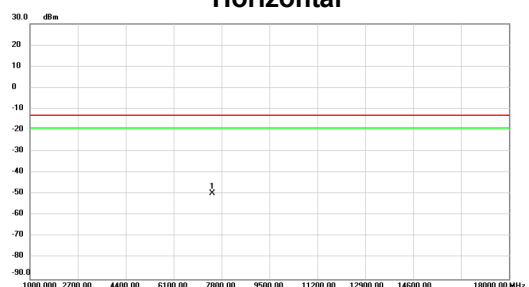
Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1 *	9780.500	-67.45	18.92	-48.53	-13.00	-35.53	peak	

Test Mode : LTE Band 5_TX CH20525_5MHz

Horizontal

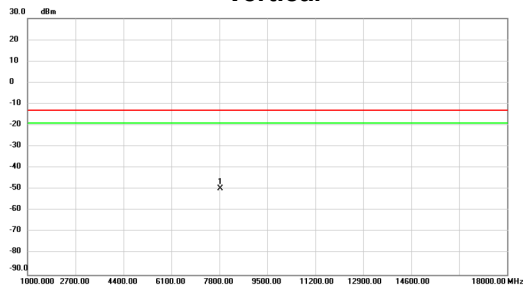


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1 *	7468.500	-68.06	18.40	-49.66	-13.00	-36.66	peak	

Test Mode : LTE Band 5_TX CH20525_10MHz

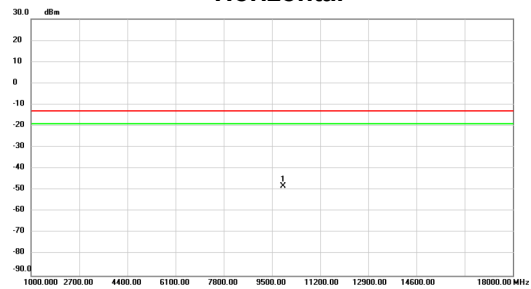
Test Mode : LTE Band 5_TX CH20525_10MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	7842.500	-68.10	18.59	-49.51	-13.00	-36.51	peak	

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	9899.500	-67.22	18.97	-48.25	-13.00	-35.25	peak	

APPENDIX G - BAND EDGE

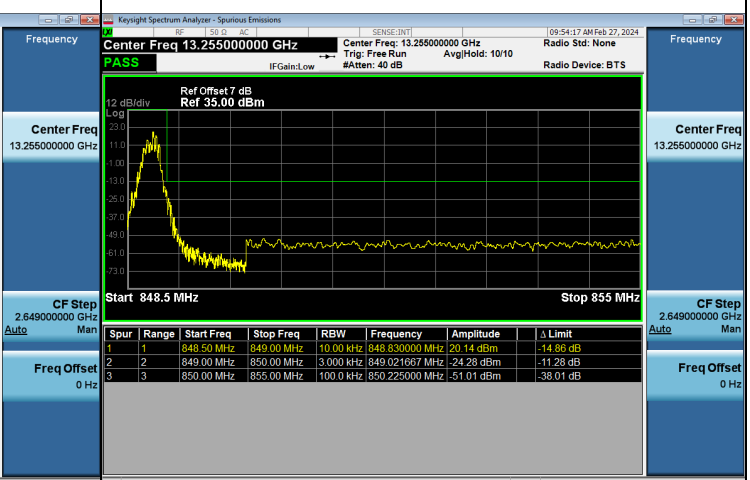
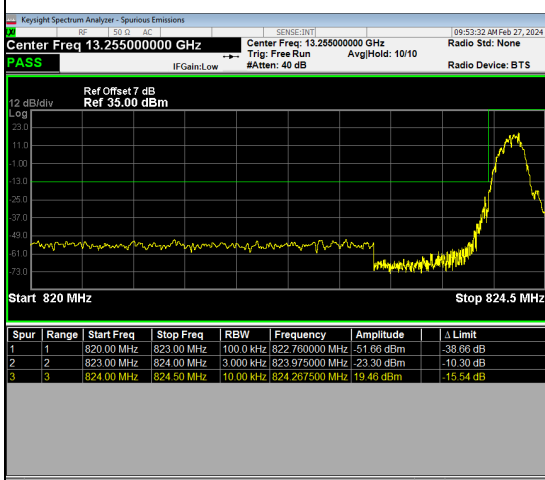
GSM850_GSM Spectrum Plot

Channel

128

Channel

251



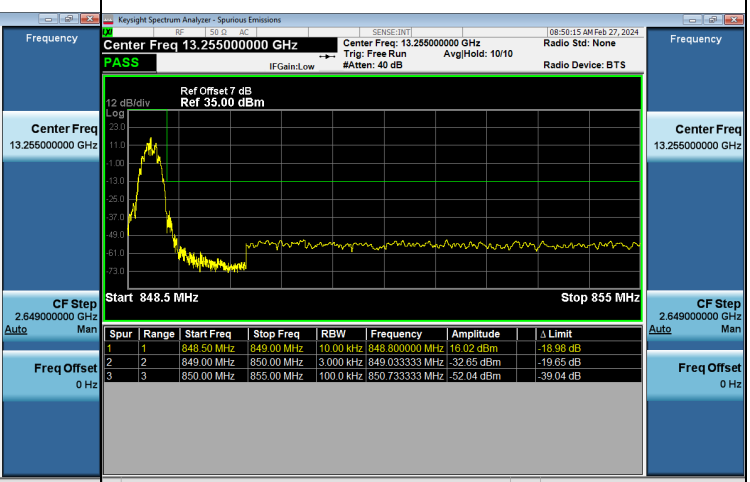
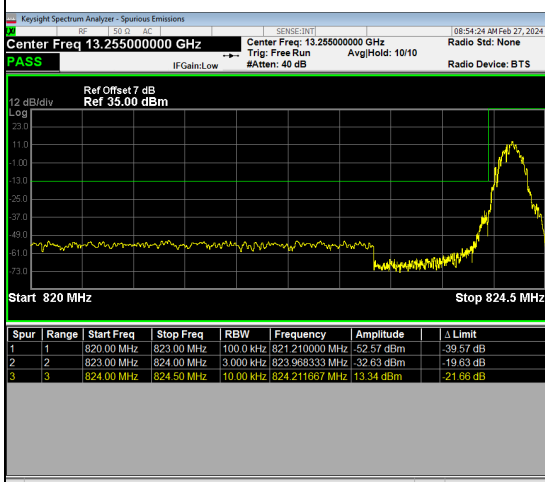
GSM850_EDGE Spectrum Plot

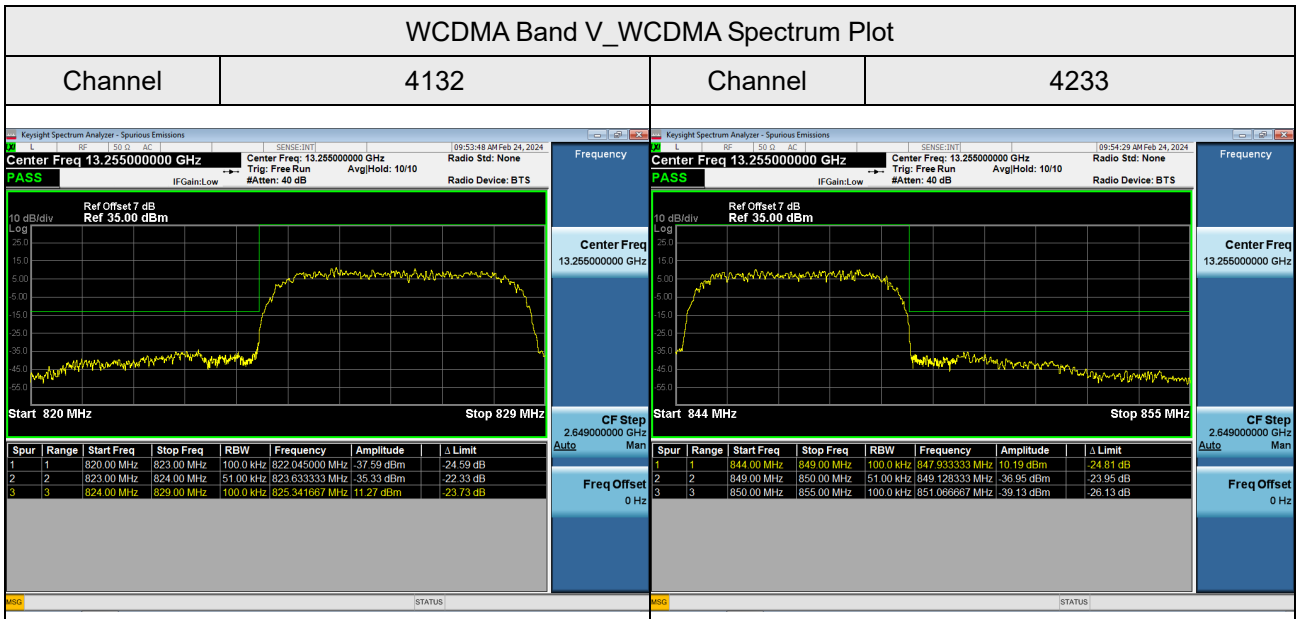
Channel

128

Channel

251





LTE Band 5_1.4MHz Spectrum Plot

1RB#0

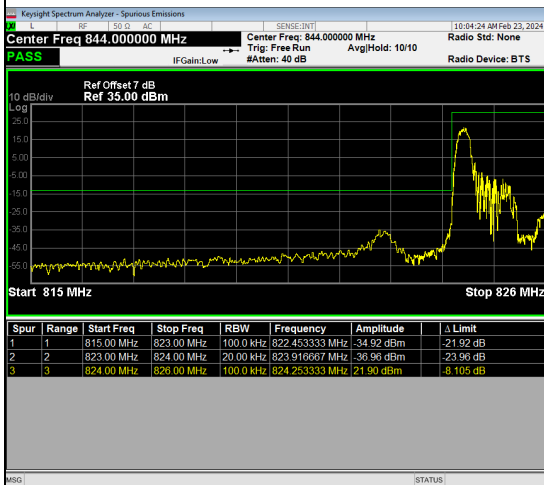
1RB#5

Channel

20407

Channel

20643



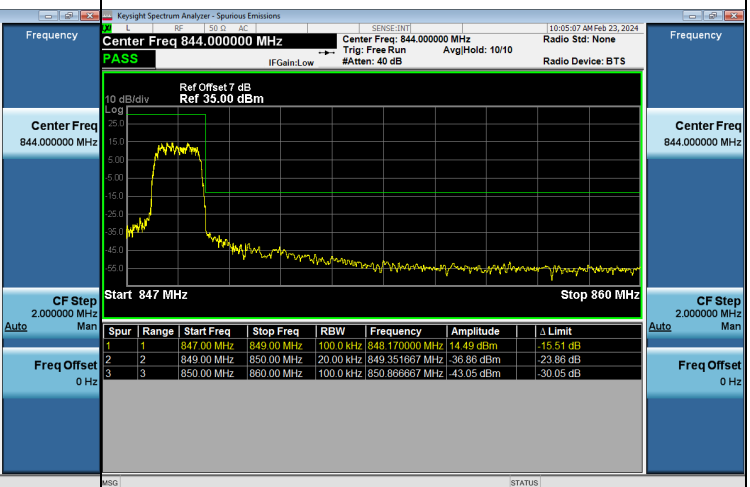
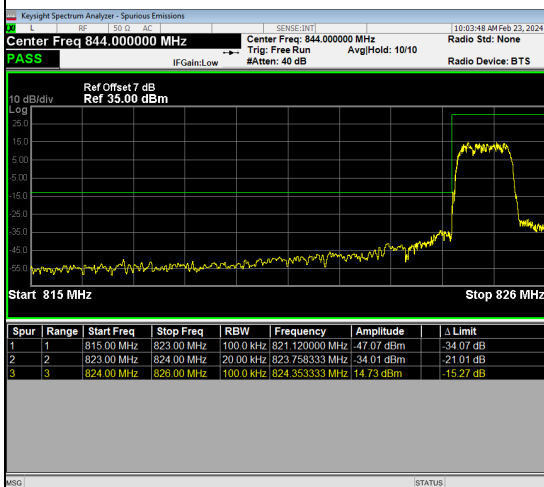
6RB#0

Channel

20407

Channel

20643



LTE Band 5_3MHz Spectrum Plot

1RB#0

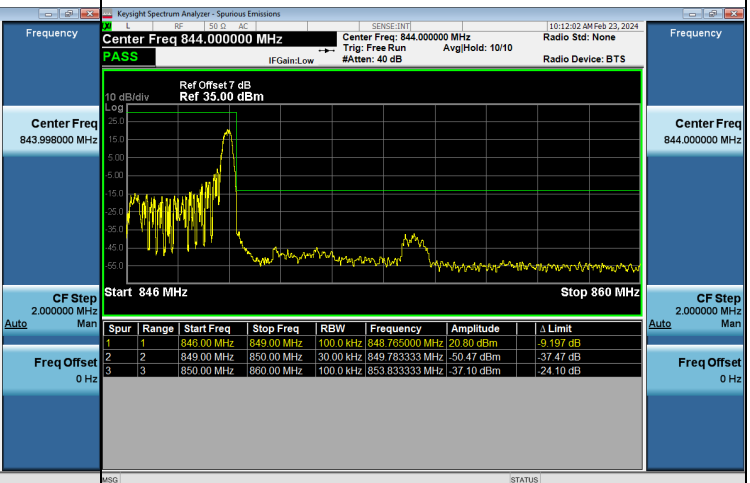
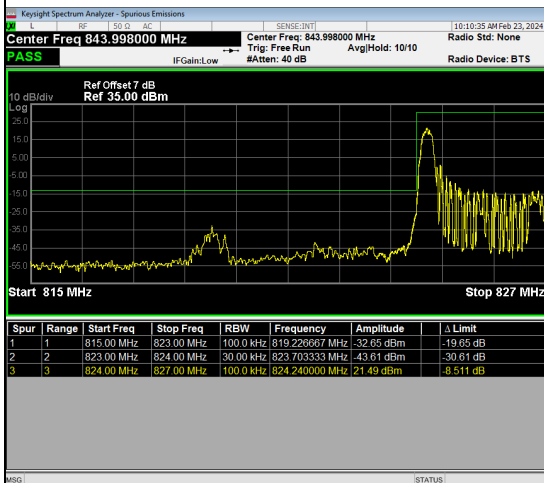
1RB#14

Channel

20415

Channel

20635



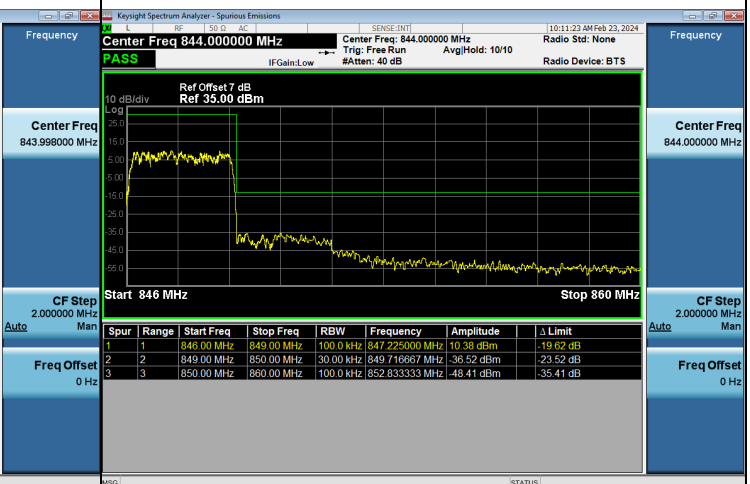
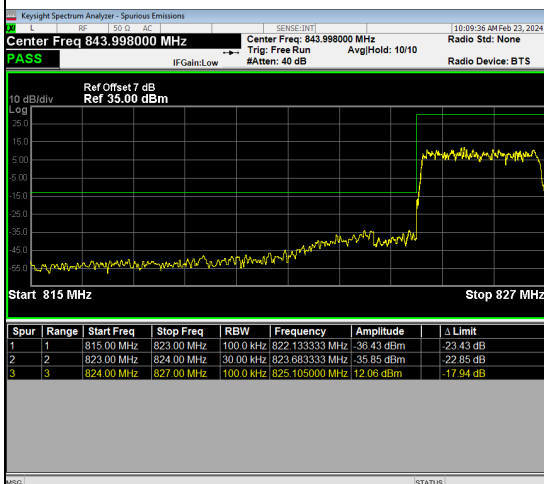
15RB#0

Channel

20415

Channel

20635



LTE Band 5_5MHz Spectrum Plot

1RB#0

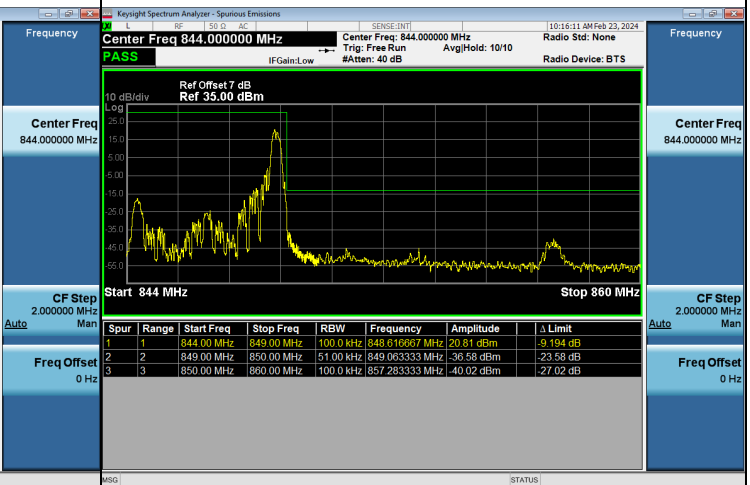
1RB#24

Channel

20425

Channel

20625



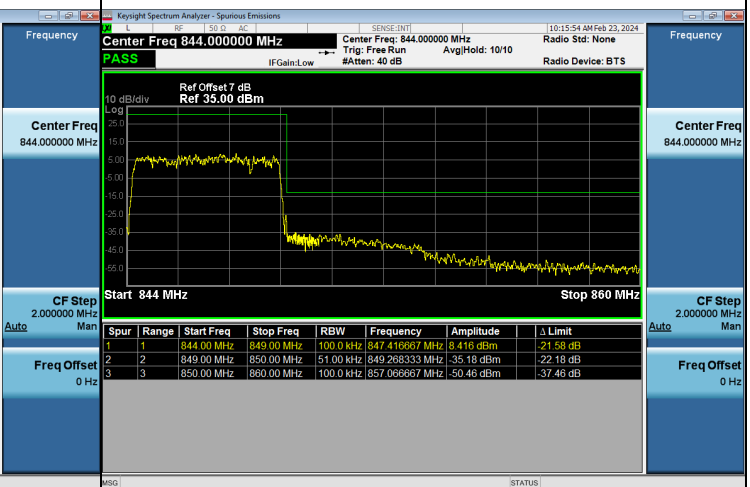
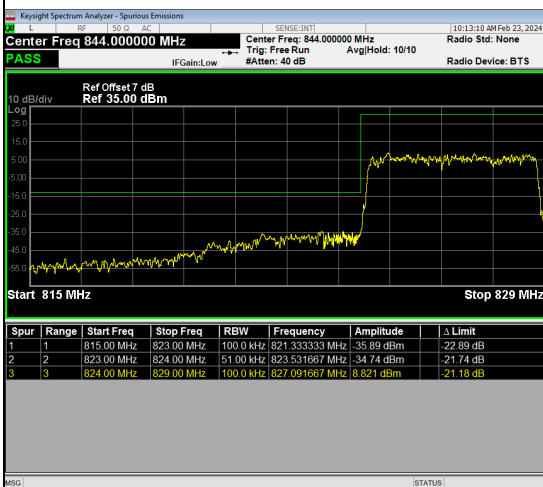
25RB#0

Channel

20425

Channel

20625



LTE Band 5_10MHz Spectrum Plot

1RB#0

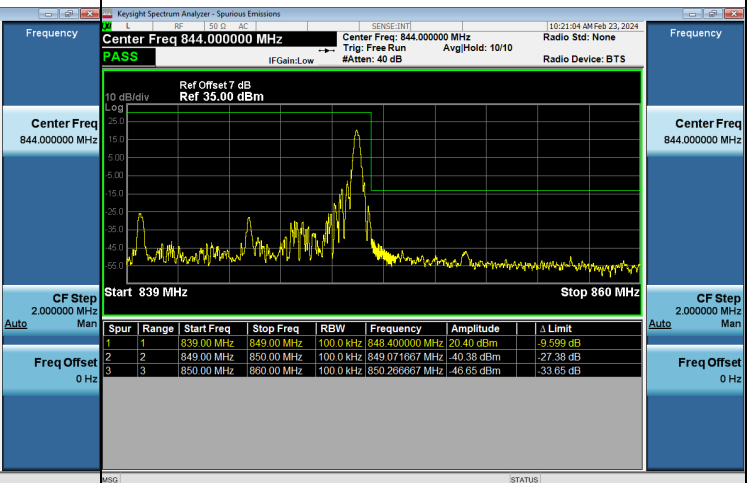
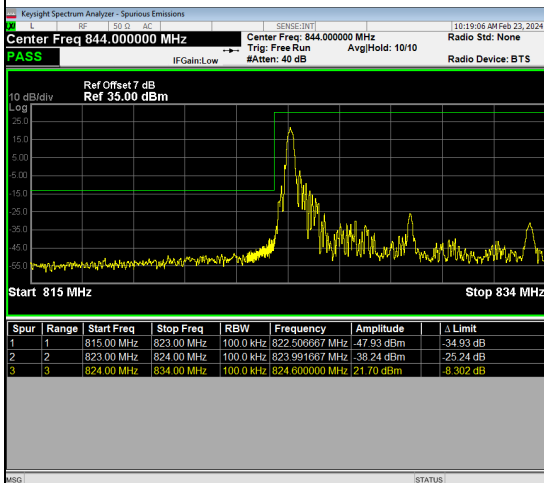
1RB#49

Channel

20450

Channel

20600



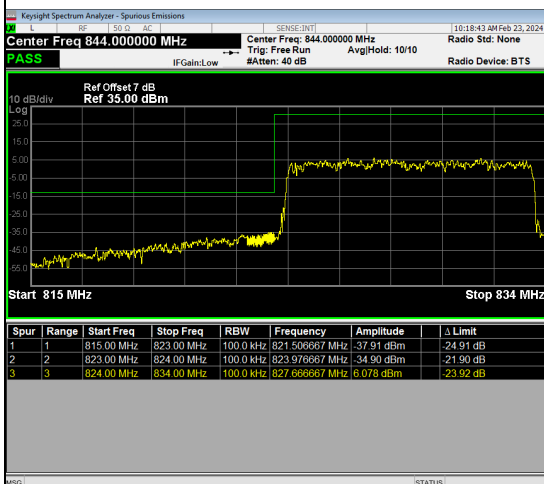
50RB#0

Channel

20450

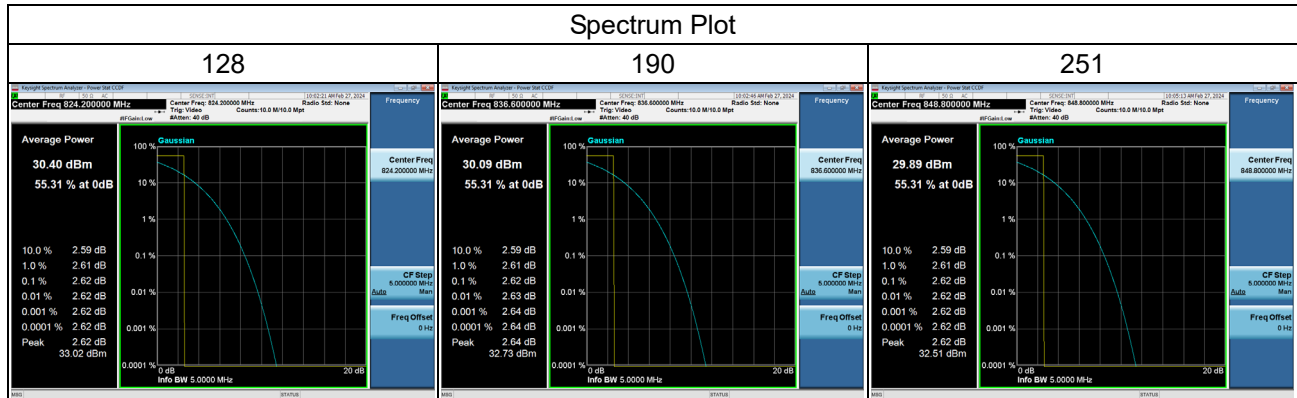
Channel

20600

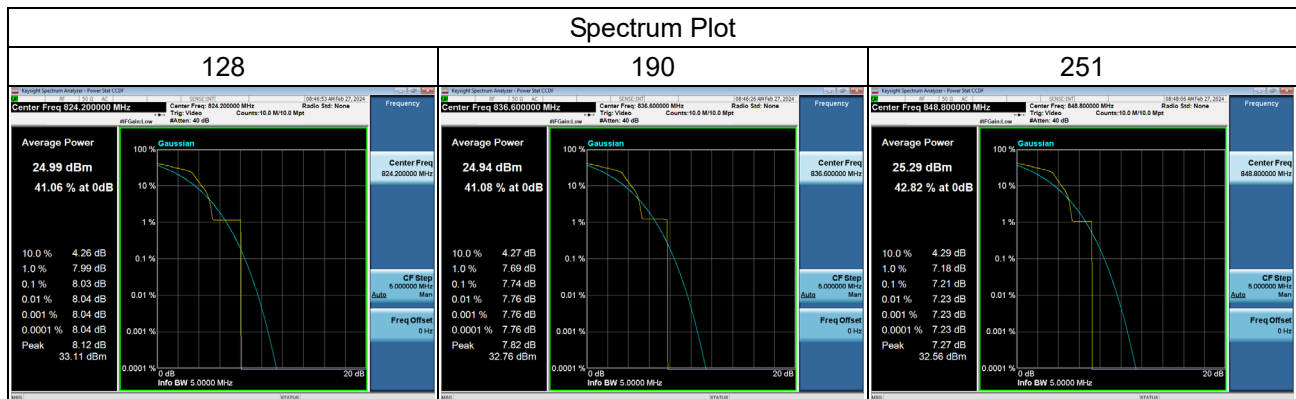


APPENDIX H - PEAK TO AVERAGE RATIO

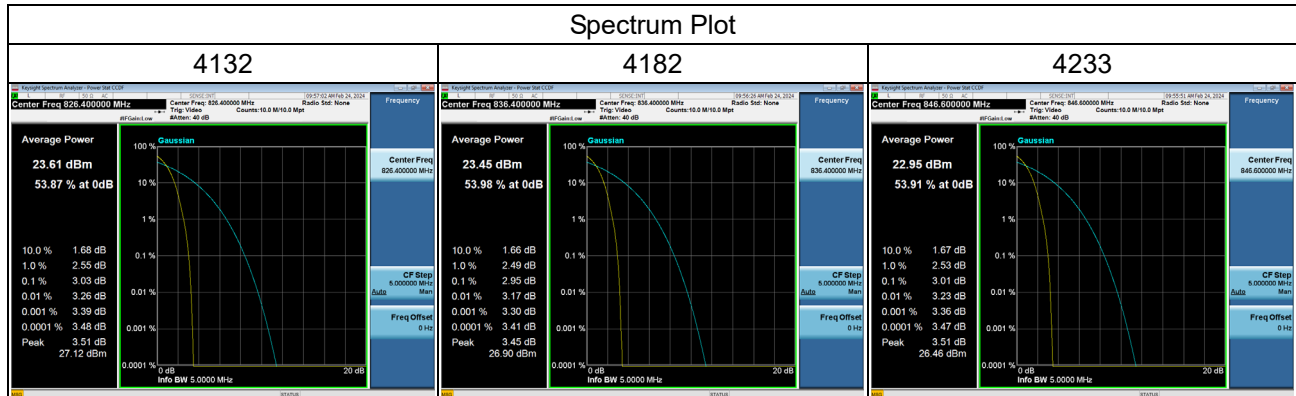
GSM 850_GSM				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)	Max. Limit (dB)	Result
		QPSK		
128	824.2	2.62	13	Pass
190	836.6	2.62	13	Pass
251	848.8	2.62	13	Pass



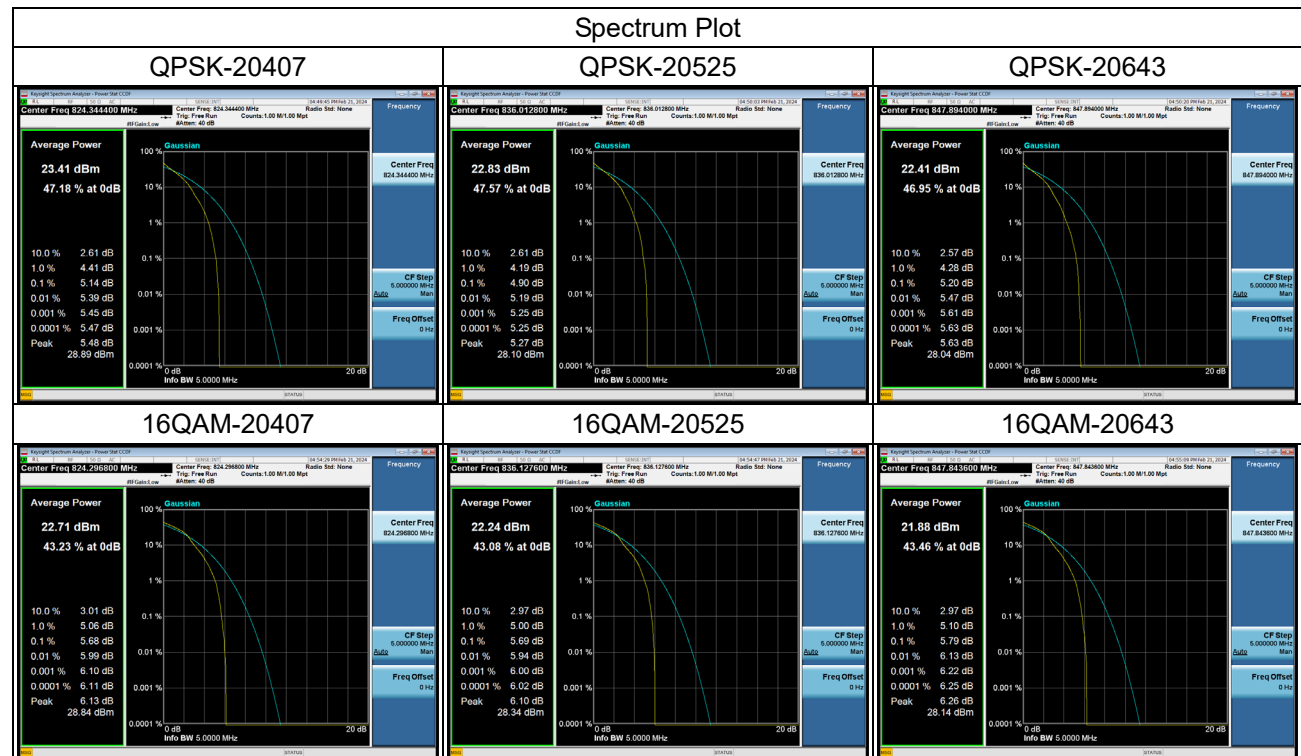
GSM 850_EDGE				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)	Max. Limit (dB)	Result
		QPSK		
128	824.2	8.03	13	Pass
190	836.6	7.74	13	Pass
251	848.8	7.21	13	Pass



WCDMA Band V_WCDMA				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)	Max. Limit (dB)	Result
		QPSK		
4132	826.4	3.03	13	Pass
4182	836.4	2.95	13	Pass
4233	846.6	3.01	13	Pass



LTE Band 5_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20407	824.7	5.14	5.68	13	Pass
20525	836.5	4.90	5.69	13	Pass
20643	848.3	5.20	5.79	13	Pass



LTE Band 5_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20415	825.5	5.24	5.78	13	Pass
20525	836.5	5.05	5.73	13	Pass
20635	847.5	5.34	6.15	13	Pass

