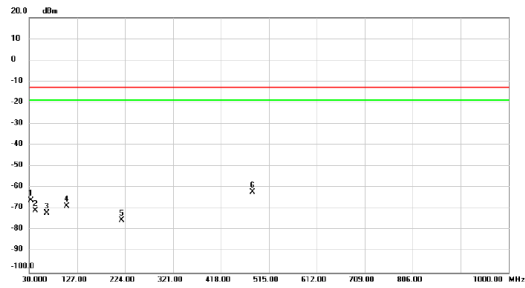


Test Mode : LTE Band 5_TX CH20525_10MHz

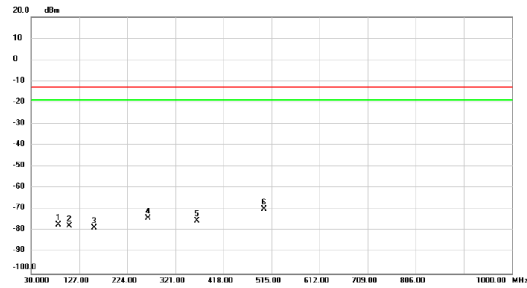
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		32.9100	-50.85	-15.24	-66.09	-13.00	-53.09	peak	
2		42.6100	-56.90	-13.95	-70.85	-13.00	-57.85	peak	
3		64.9200	-56.86	-15.21	-72.07	-13.00	-59.07	peak	
4		106.1450	-53.10	-15.62	-68.72	-13.00	-55.72	peak	
5		216.7250	-60.41	-14.95	-75.36	-13.00	-62.36	peak	
6	*	481.5350	-55.18	-6.86	-62.04	-13.00	-49.04	peak	

Test Mode : LTE Band 5_TX CH20525_10MHz

Horizontal

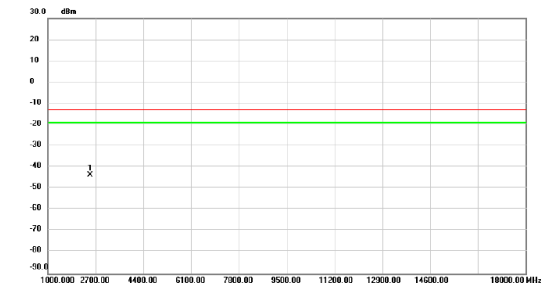


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		84.3200	-58.50	-18.64	-77.14	-13.00	-64.14	peak	
2		106.6300	-62.13	-15.55	-77.68	-13.00	-64.68	peak	
3		157.5550	-66.04	-12.43	-78.47	-13.00	-65.47	peak	
4		265.7100	-61.86	-12.33	-74.19	-13.00	-61.19	peak	
5		363.6800	-65.73	-9.63	-75.36	-13.00	-62.36	peak	
6	*	499.9650	-63.45	-6.54	-69.99	-13.00	-56.99	peak	

APPENDIX F - RADIATED SPURIOUS EMISSIONS (ABOVE 1000MHZ)

Test Mode : LTE Band 5_TX CH20525_1.4MHz

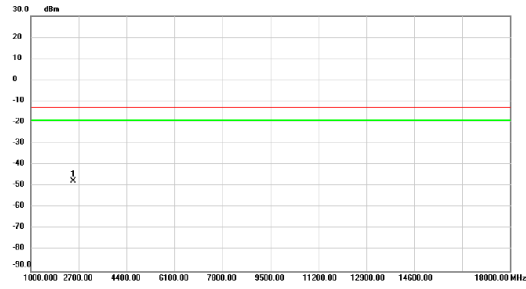
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2496.000	-53.84	10.18	-43.66	-13.00	-30.66	peak	

Test Mode : LTE Band 5_TX CH20525_1.4MHz

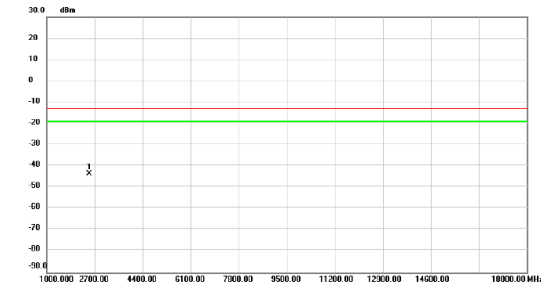
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2496.000	-57.60	10.18	-47.42	-13.00	-34.42	peak	

Test Mode : LTE Band 5_TX CH20525_5MHz

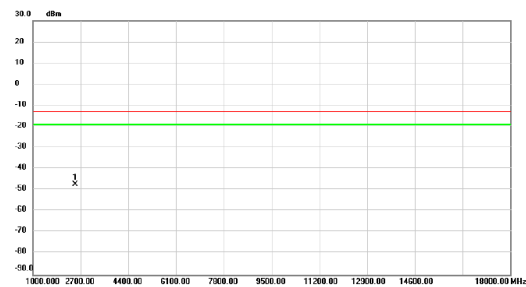
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2496.000	-53.89	10.18	-43.71	-13.00	-30.71	peak	

Test Mode : LTE Band 5_TX CH20525_5MHz

Horizontal

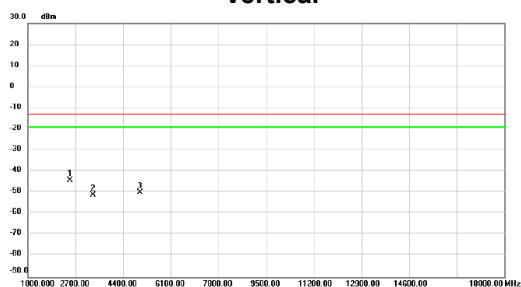


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	2496.000	-57.28	10.18	-47.10	-13.00	-34.10	peak	

Test Mode : LTE Band 5_TX CH20525_10MHz

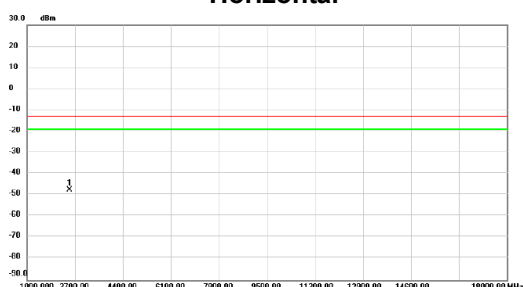
Test Mode : LTE Band 5_TX CH20525_10MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2496.000	-54.33	10.18	-44.15	-13.00	-31.15	peak	
2		3329.000	-64.08	12.80	-51.28	-13.00	-38.28	peak	
3		5003.500	-67.79	17.86	-49.93	-13.00	-36.93	peak	

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2496.000	-57.82	10.18	-47.64	-13.00	-34.64	peak	

APPENDIX G - BAND EDGE

LTE Band 5_1.4MHz Spectrum Plot

1RB#0

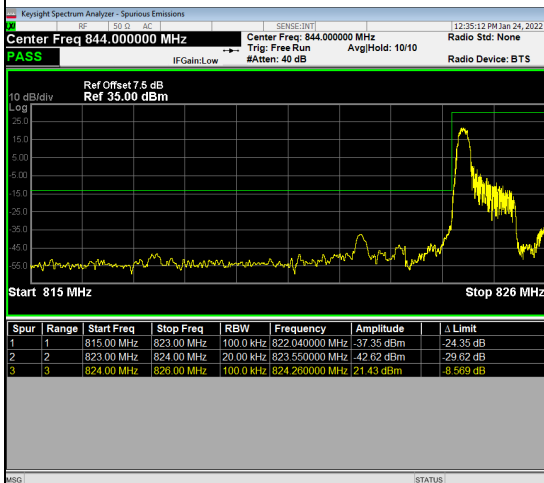
1RB#5

Channel

20407

Channel

20643



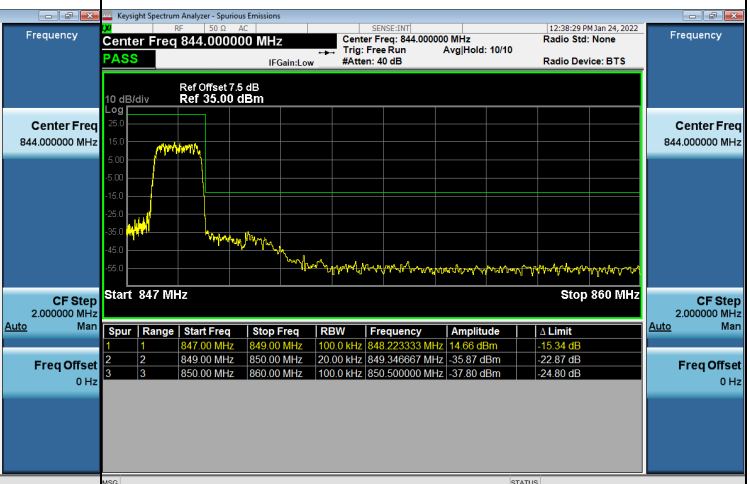
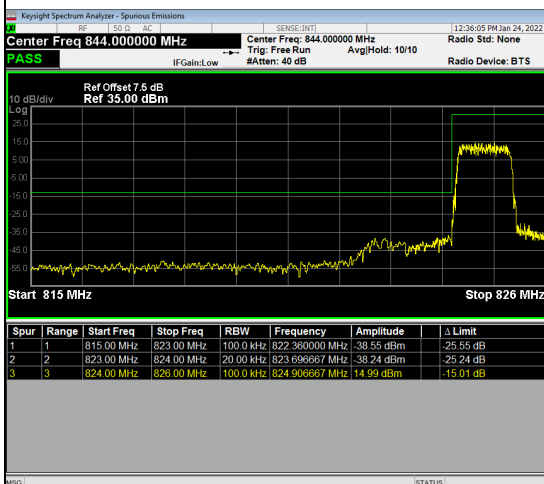
6RB#0

Channel

20407

Channel

20643



LTE Band 5_3MHz Spectrum Plot

1RB#0

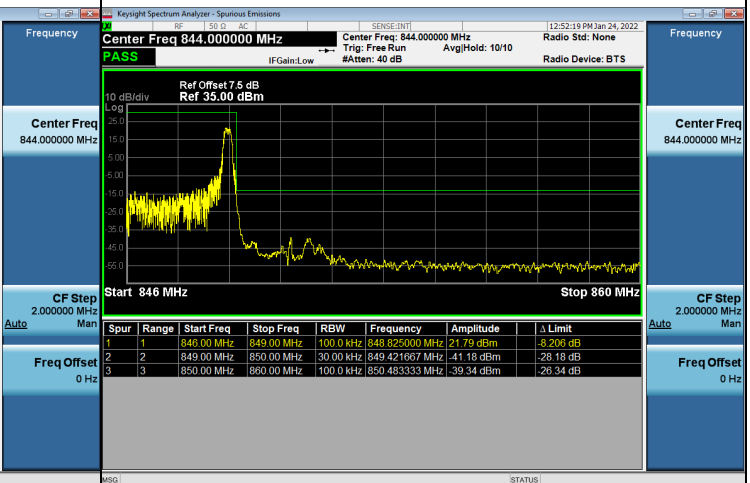
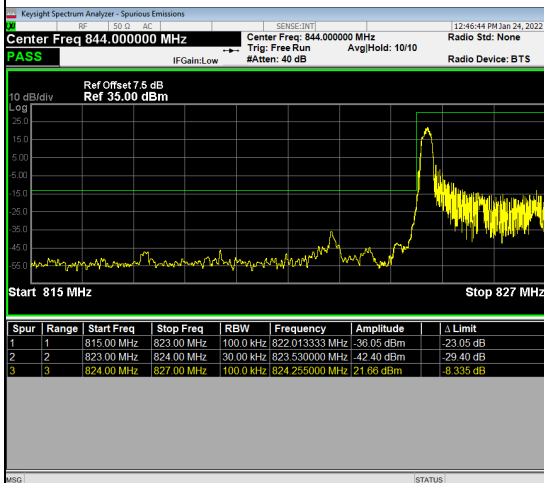
1RB#14

Channel

20415

Channel

20635



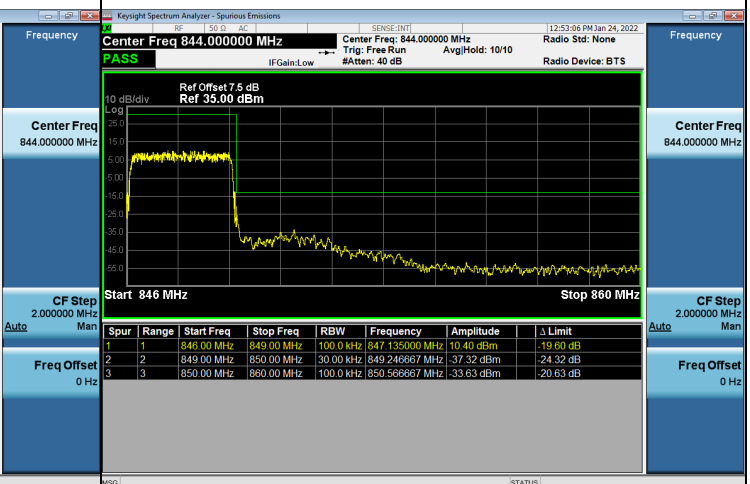
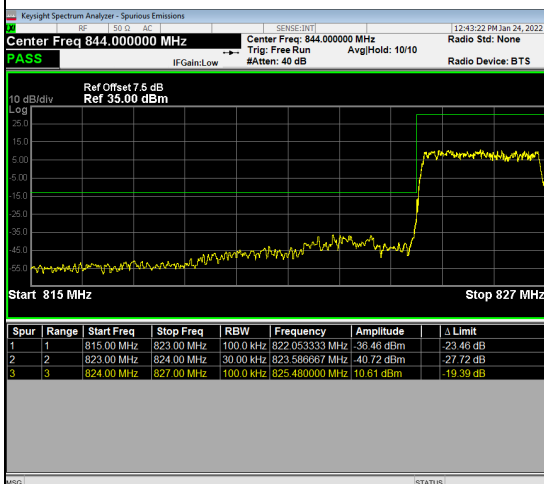
15RB#0

Channel

20415

Channel

20635



LTE Band 5_5MHz Spectrum Plot

1RB#0

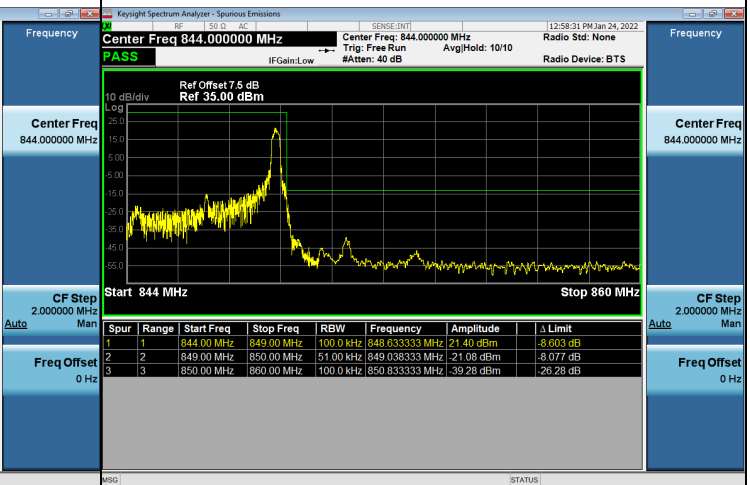
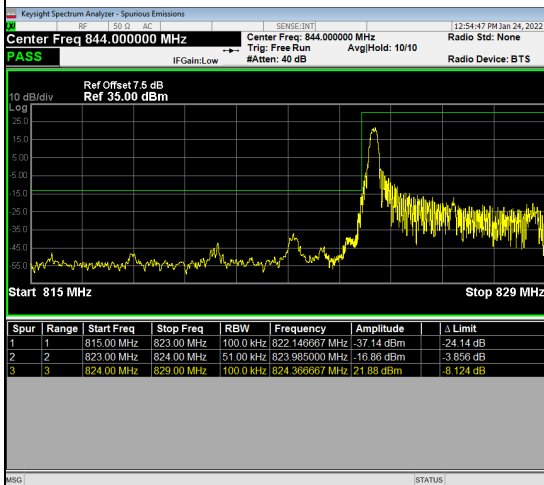
1RB#24

Channel

20425

Channel

20625



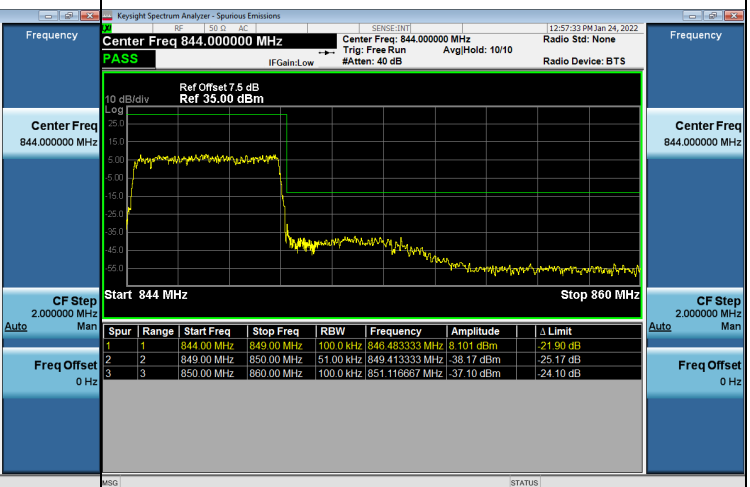
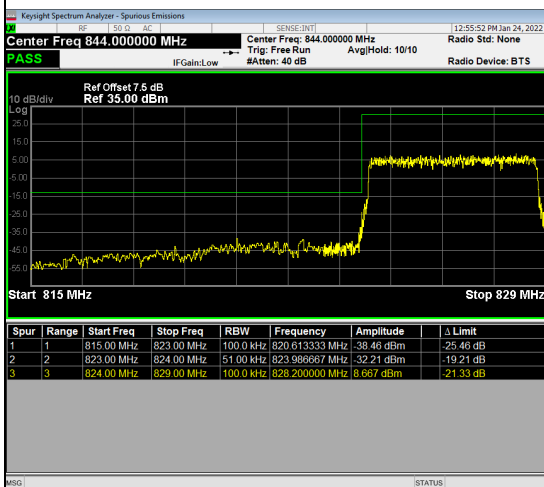
25RB#0

Channel

20425

Channel

20625



LTE Band 5_10MHz Spectrum Plot

1RB#0

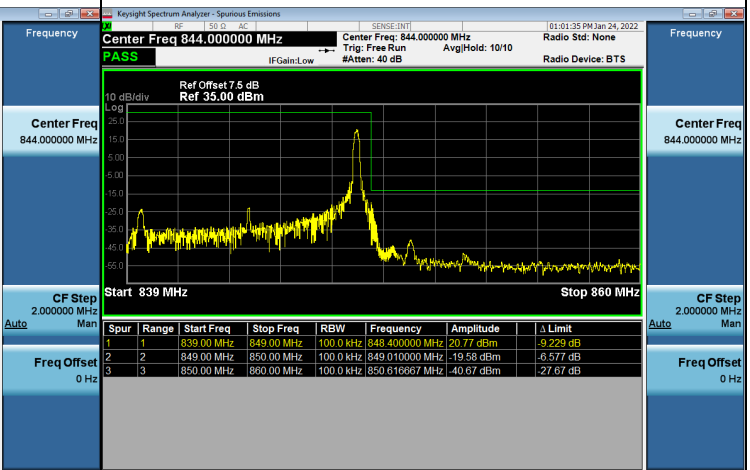
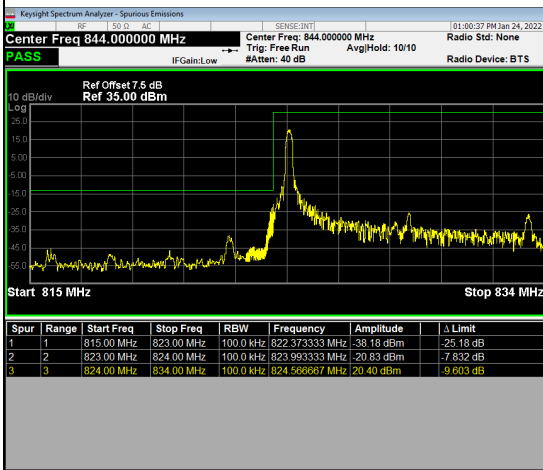
1RB#49

Channel

20450

Channel

20600



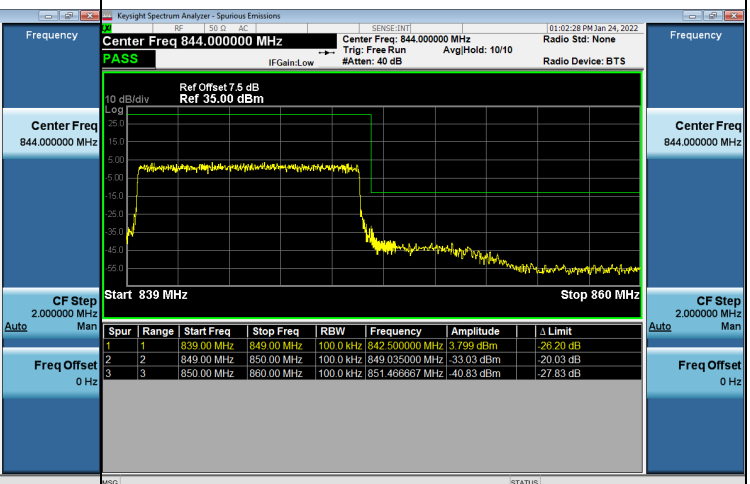
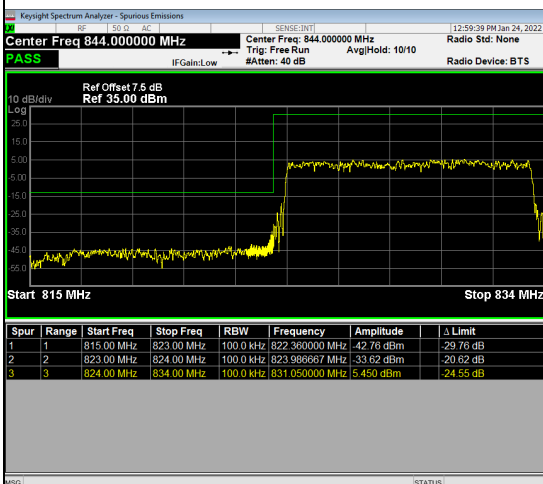
50RB#0

Channel

20450

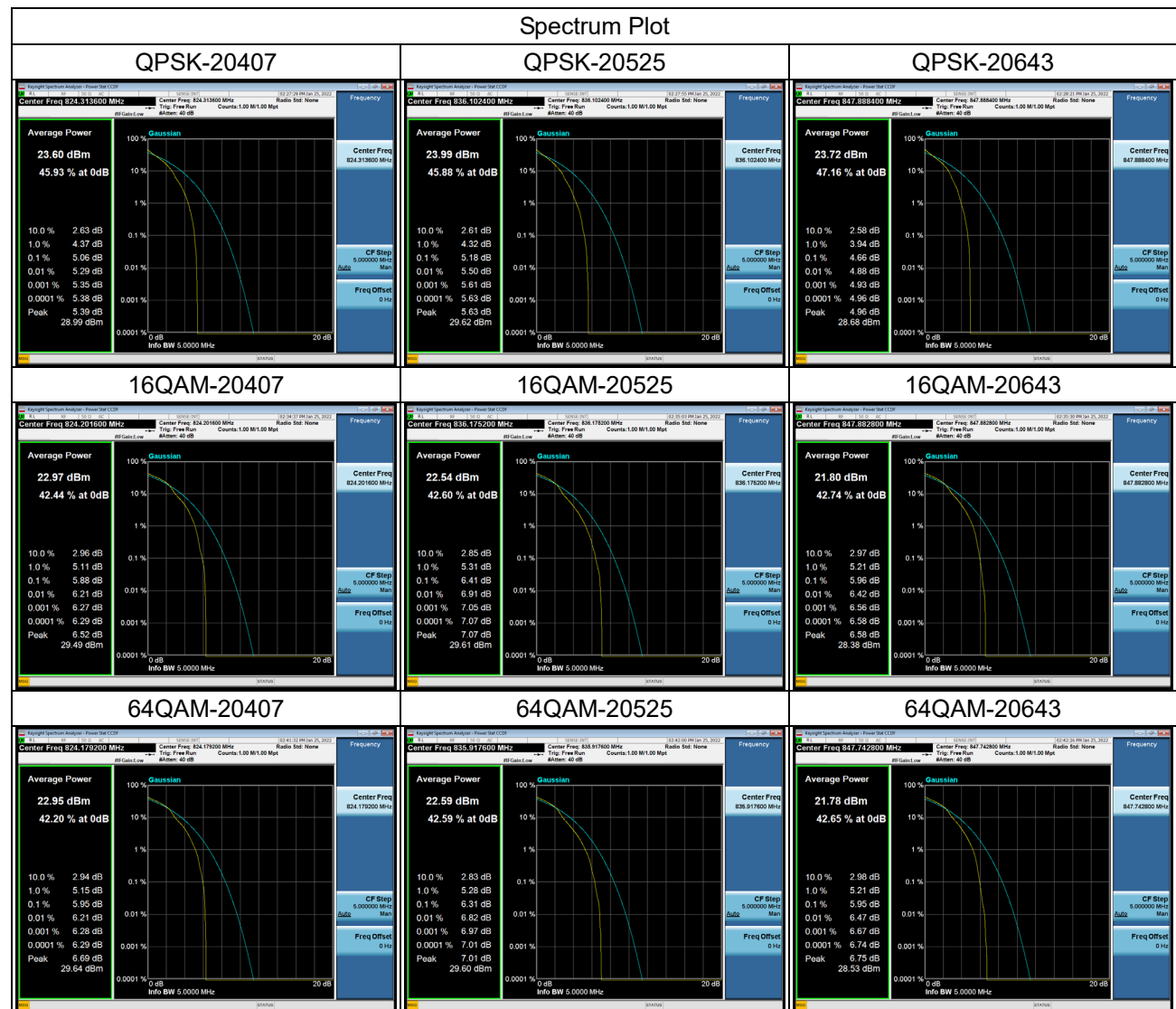
Channel

20600

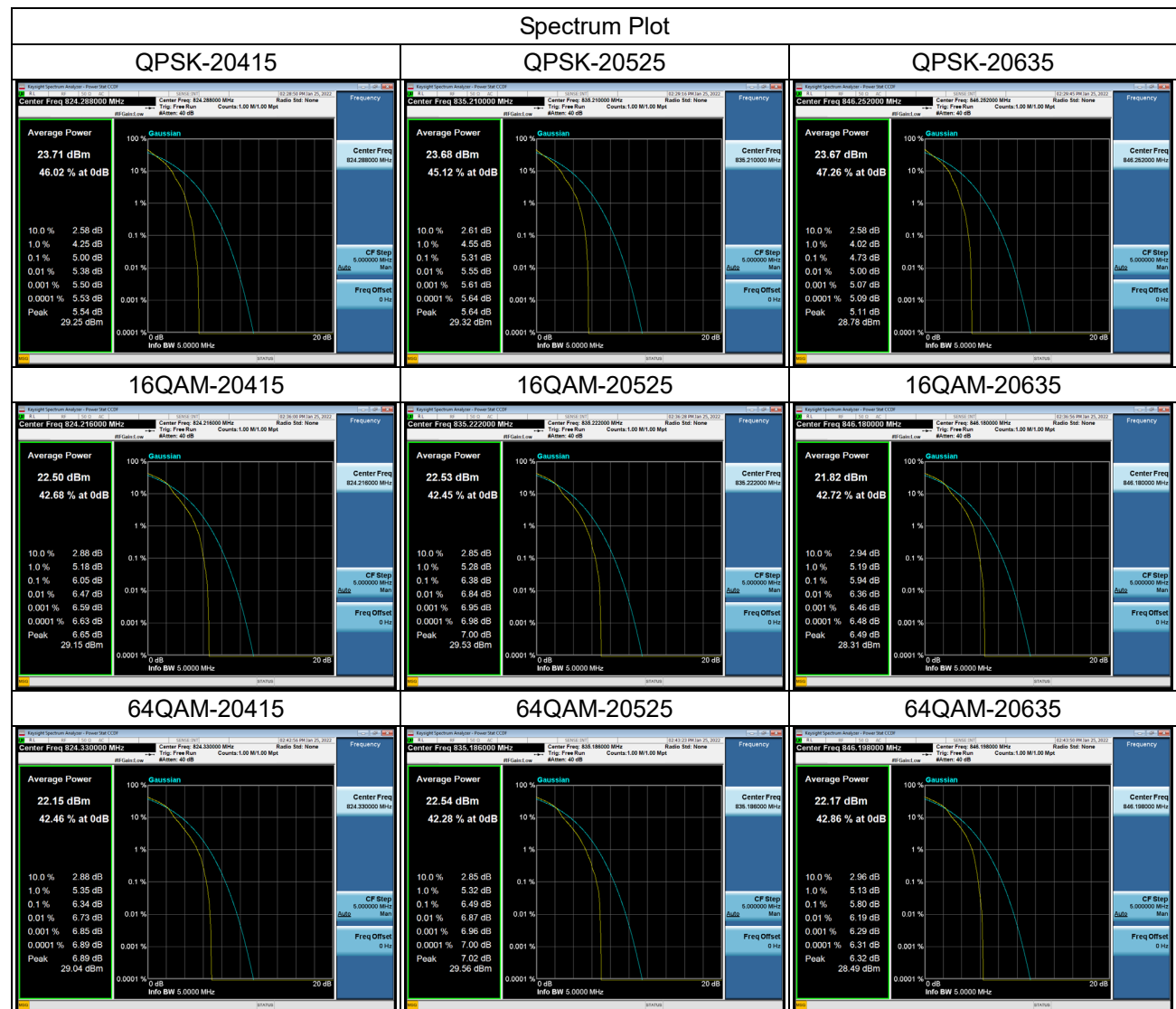


APPENDIX H - PEAK TO AVERAGE RATIO

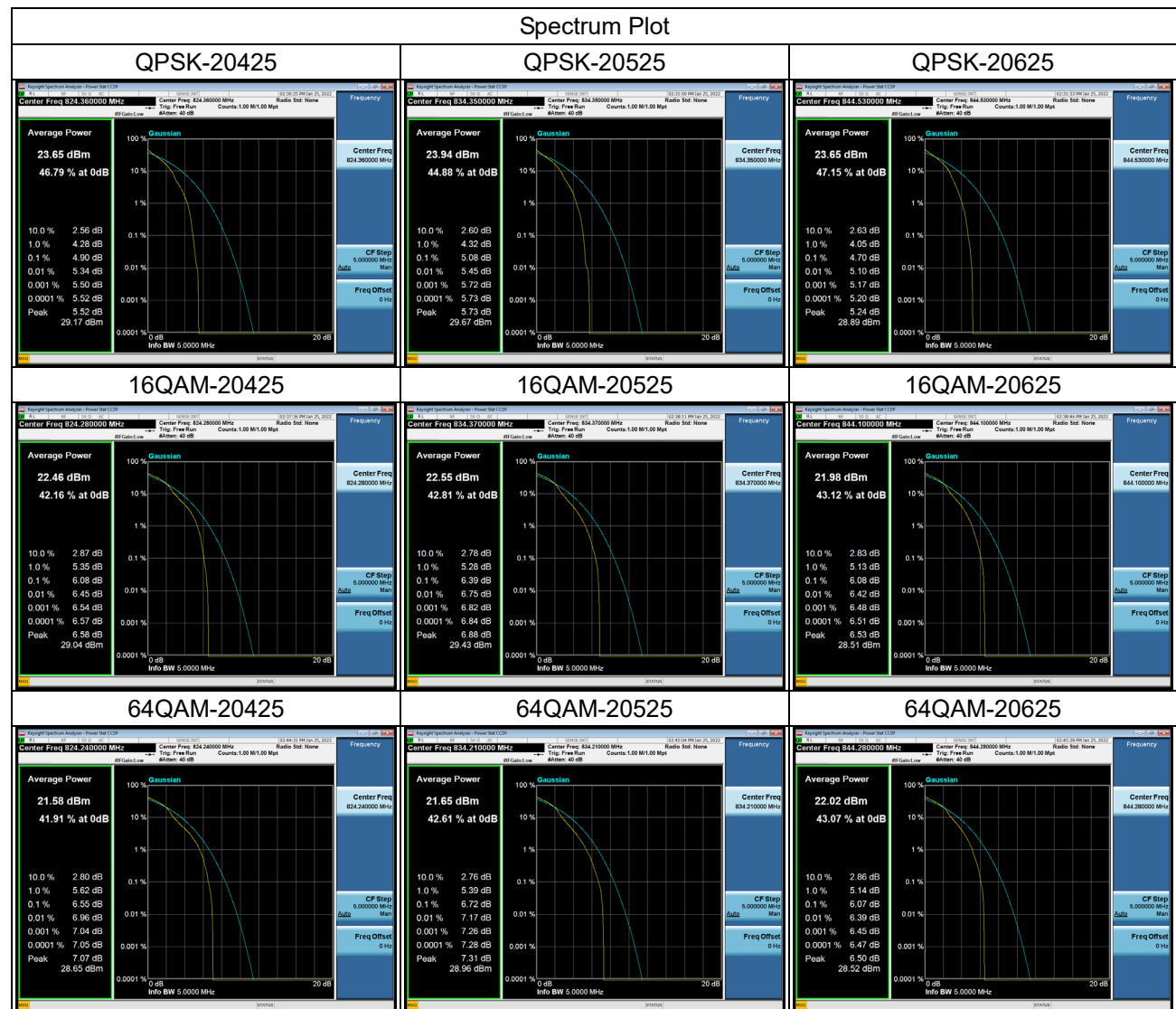
LTE Band 5_1.4MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)	Result
		QPSK	16QAM	64QAM		
20407	824.7	5.06	5.88	5.95	13	Pass
20525	836.5	5.18	6.41	6.31	13	Pass
20643	848.3	4.66	5.96	5.95	13	Pass



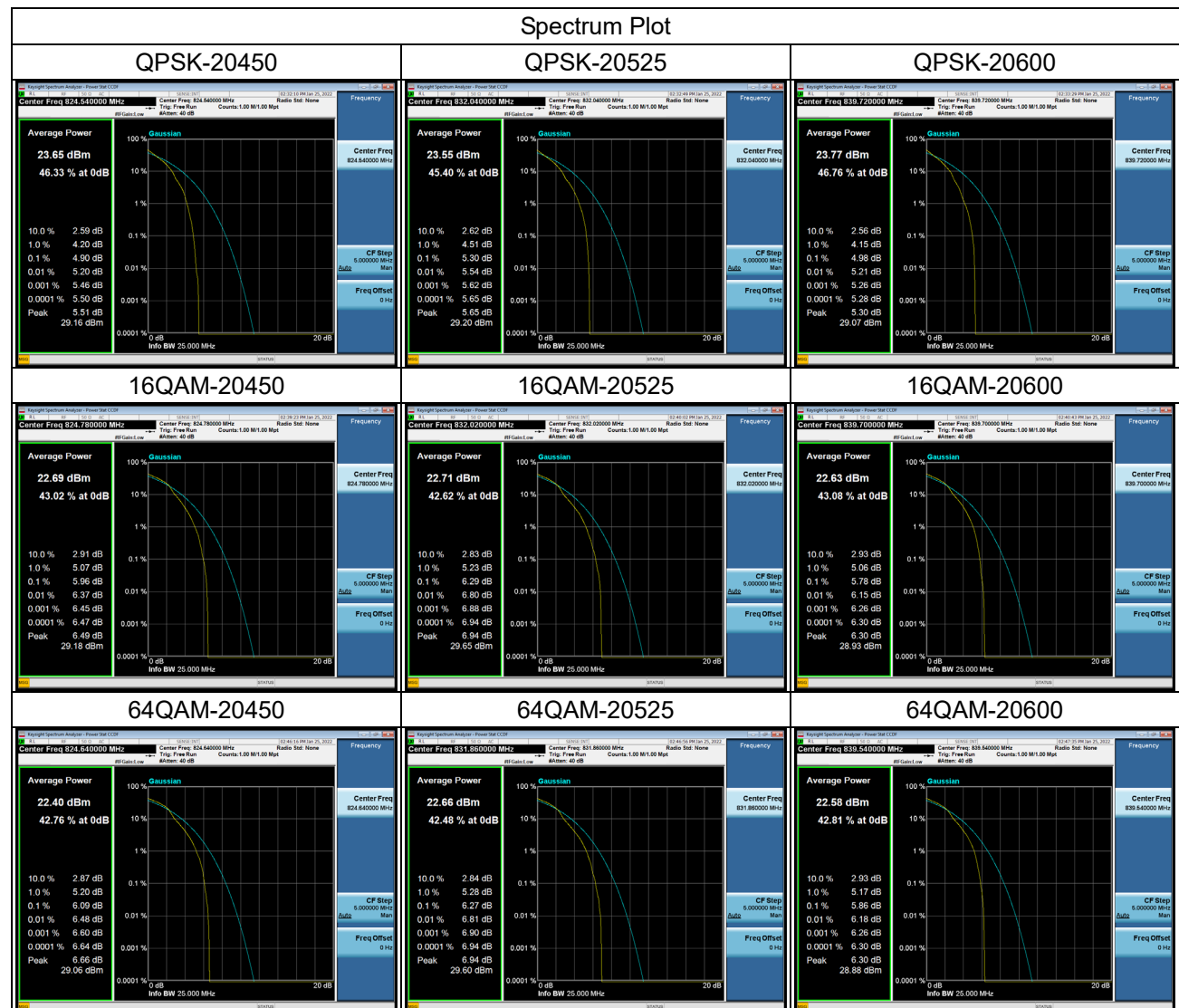
LTE Band 5_3MHz							
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)		Result
		QPSK	16QAM	64QAM			
20415	825.5	5.00	6.05	6.34	13		Pass
20525	836.5	5.31	6.38	6.49	13		Pass
20635	847.5	4.73	5.94	5.80	13		Pass



LTE Band 5_5MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)	Result
		QPSK	16QAM	64QAM		
20425	826.5	4.90	6.08	6.55	13	Pass
20525	836.5	5.08	6.39	6.72	13	Pass
20625	846.5	4.70	6.08	6.07	13	Pass



LTE Band 5_10MHz							
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)		Result
		QPSK	16QAM	64QAM			
20450	829.0	4.90	5.96	6.09	13		Pass
20525	836.5	5.30	6.29	6.27	13		Pass
20600	844.0	4.98	5.78	5.86	13		Pass



APPENDIX I - FREQUENCY STABILITY

Test Mode	LTE Band 5_CH20525_10MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency error (Hz)	ppm	Limit
50	5.32	0.00635983	±2.5ppm
40	11.31	0.01352062	
30	-4.28	-0.00511656	
20	3.24	0.00387328	
10	12.21	0.01459653	
0	-5.91	-0.00706515	
-10	-4.83	-0.00577406	
-20	8.21	0.00981470	
-30	9.42	0.01126121	
Minimum voltage	-10.42	-0.01245666	
Maximum voltage	0.91	0.00108787	
Nominal voltage	-4.72	-0.00564256	

Note: Nominal voltage= 12V, Maximum voltage= 12.6V, Minimum voltage= 11.4V.

End of Test Report