

LTE Band 5_1.4MHz Spectrum Plot

1RB#0

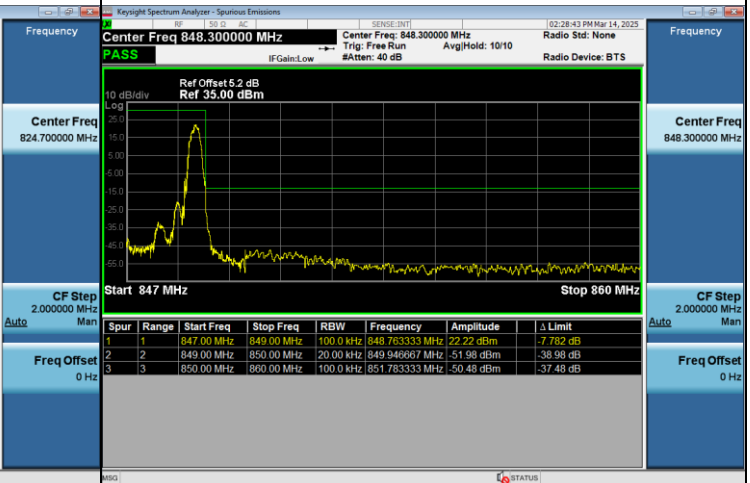
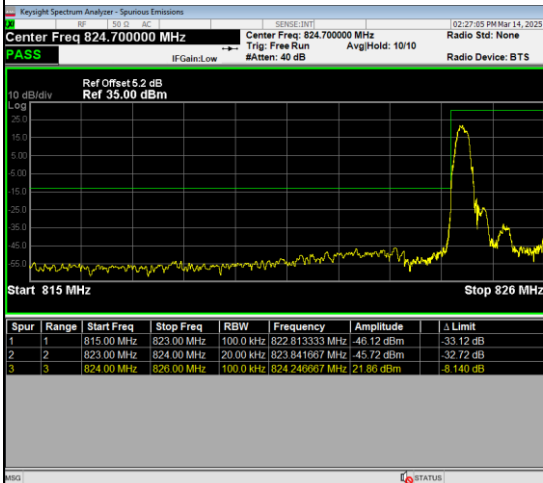
1RB#5

Channel

20407

Channel

20643



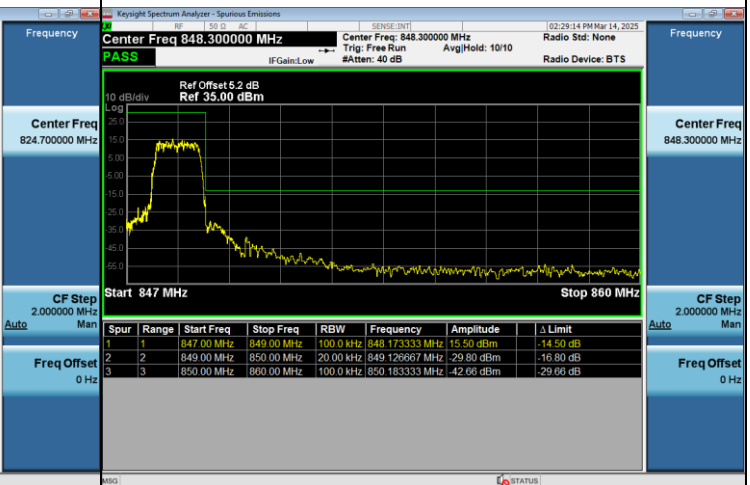
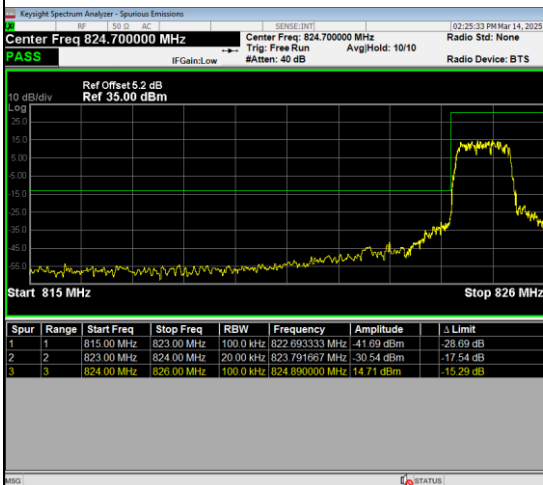
6RB#0

Channel

20407

Channel

20643



LTE Band 5_3MHz Spectrum Plot

1RB#0

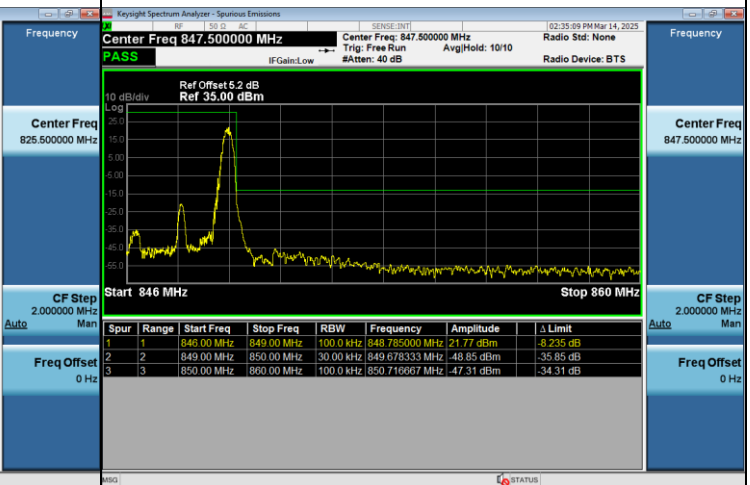
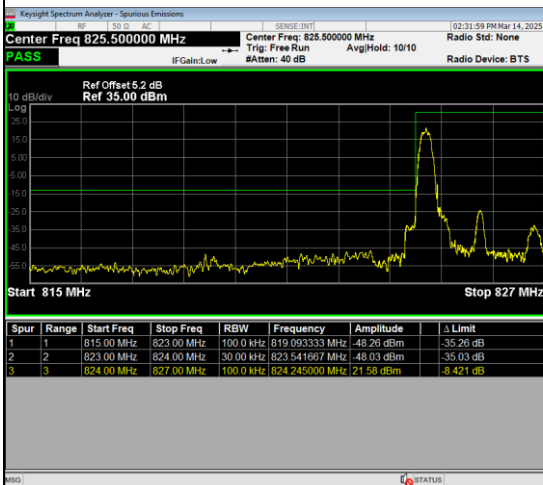
1RB#14

Channel

20415

Channel

20635



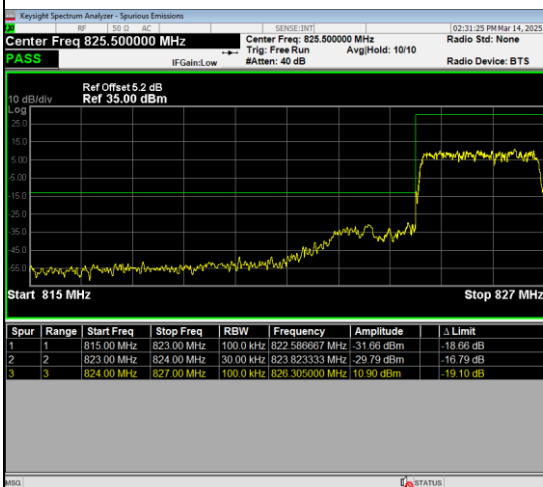
15RB#0

Channel

20415

Channel

20635



LTE Band 5_5MHz Spectrum Plot

1RB#0

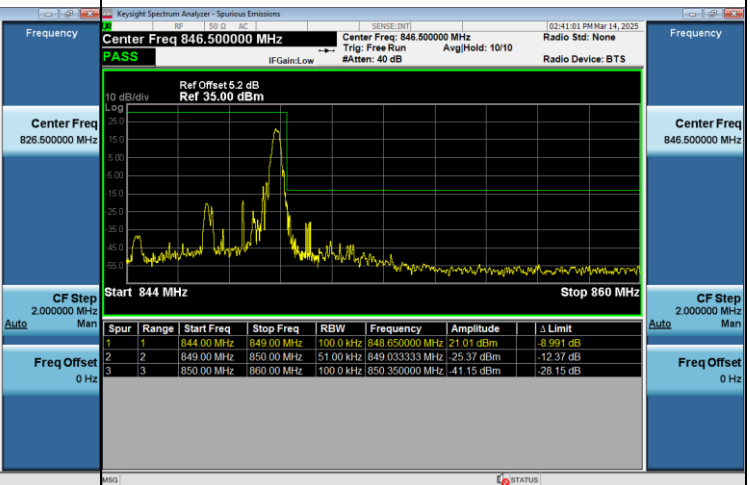
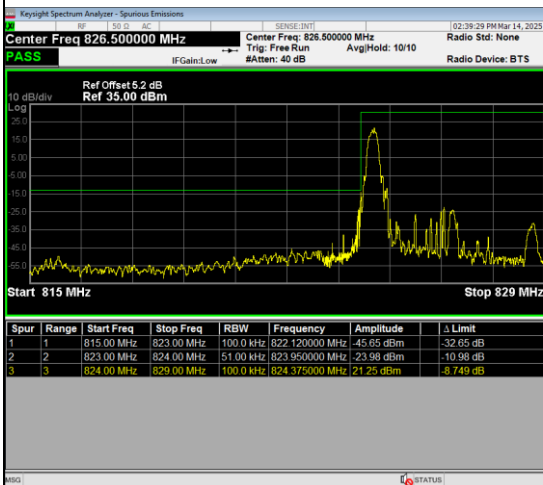
1RB#24

Channel

20425

Channel

20625



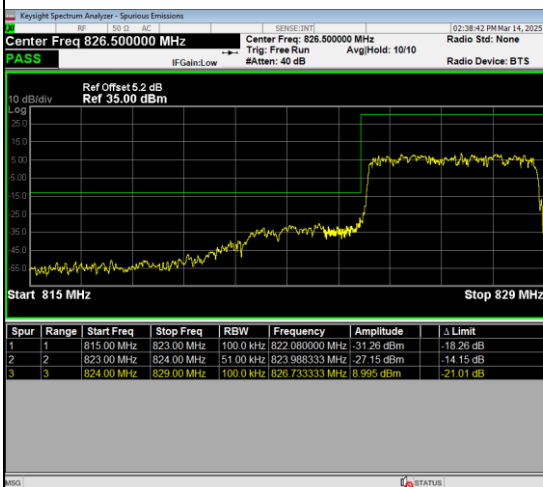
25RB#0

Channel

20425

Channel

20625



LTE Band 5_10MHz Spectrum Plot

1RB#0

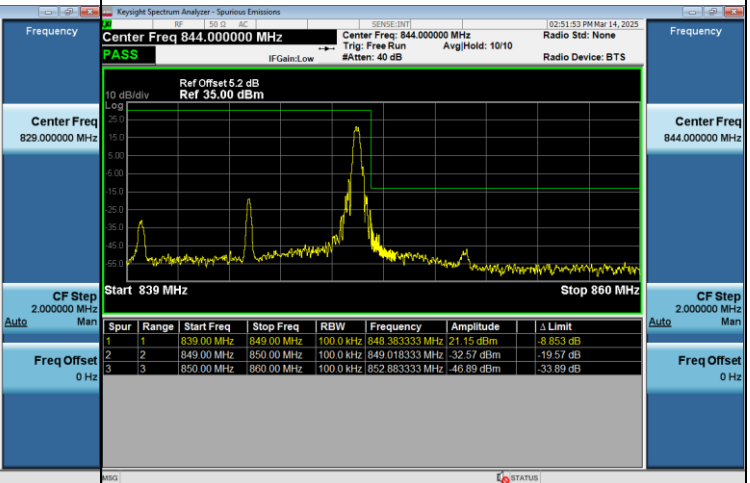
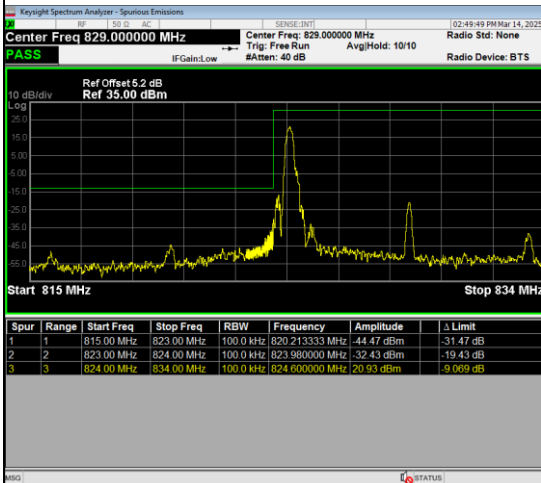
1RB#49

Channel

20450

Channel

20600



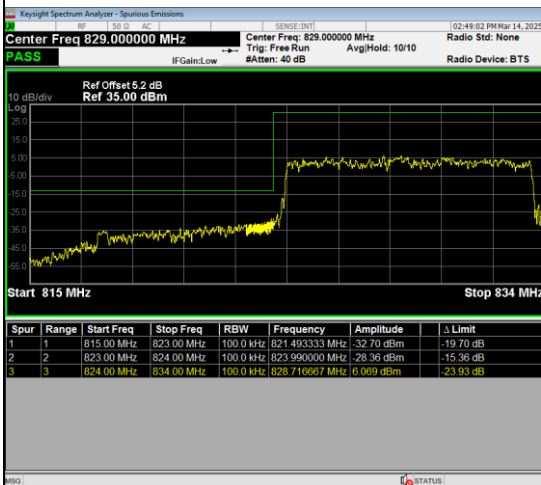
50RB#0

Channel

20450

Channel

20600



LTE Band 26_1.4MHz Spectrum Plot

1RB#0

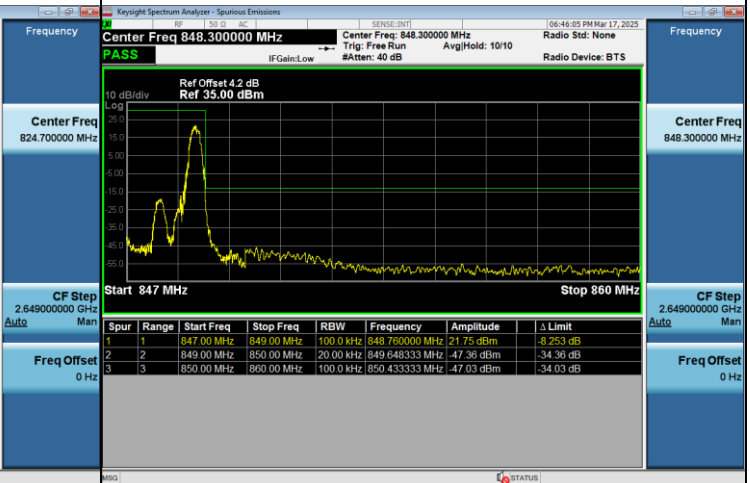
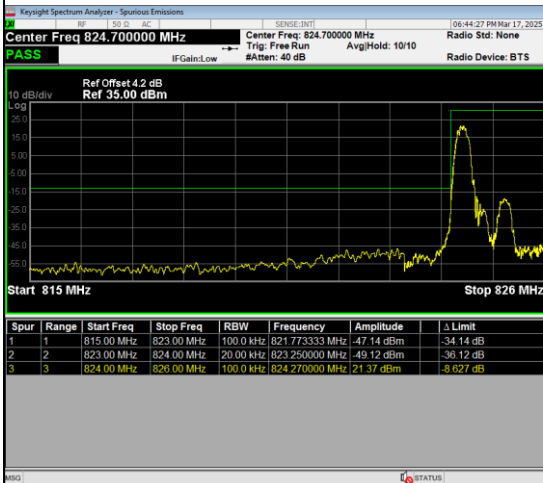
1RB#5

Channel

26797

Channel

27033



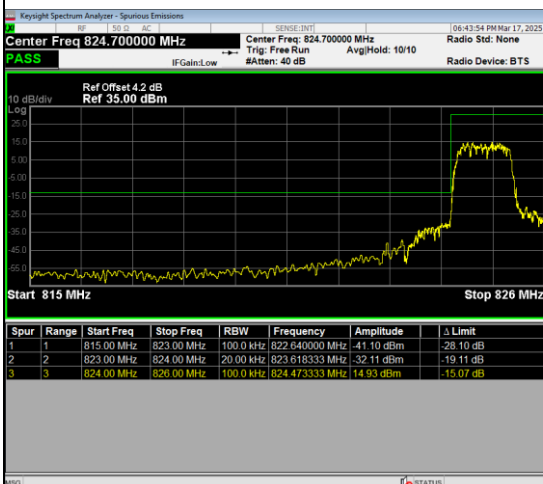
6RB#0

Channel

26797

Channel

27033



LTE Band 26_3MHz Spectrum Plot

1RB#0

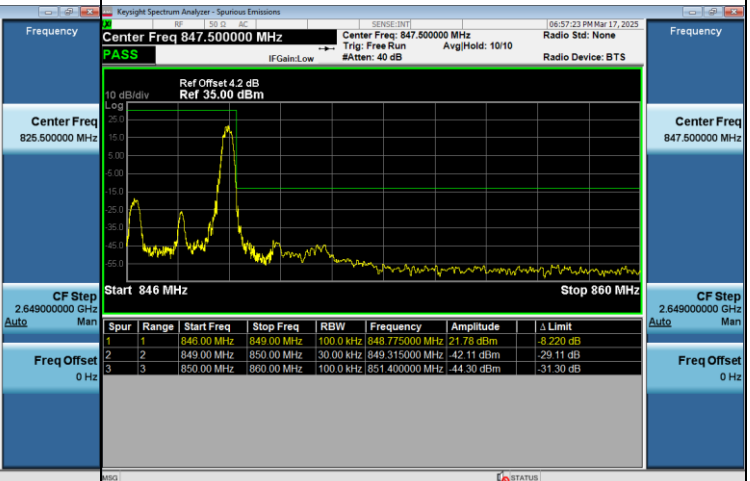
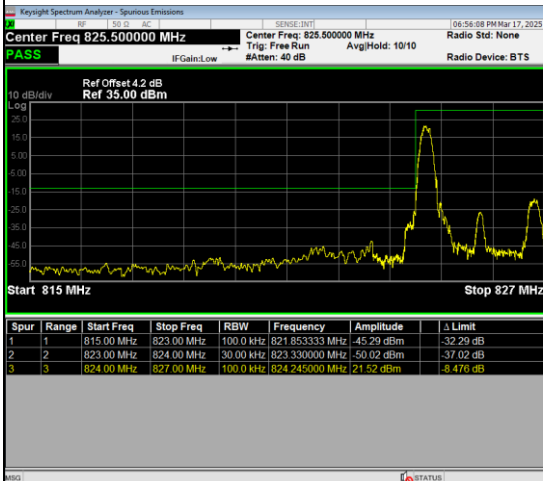
1RB#14

Channel

26805

Channel

27025



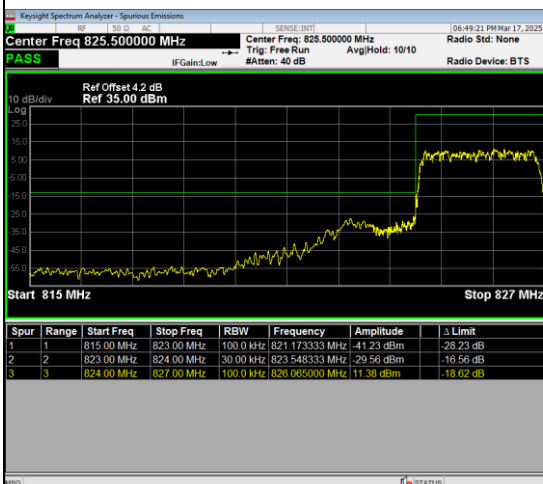
15RB#0

Channel

26805

Channel

27025



LTE Band 26_5MHz Spectrum Plot

1RB#0

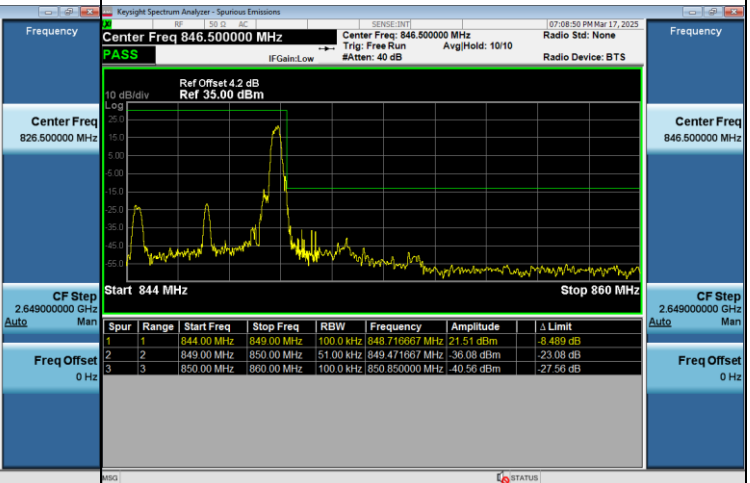
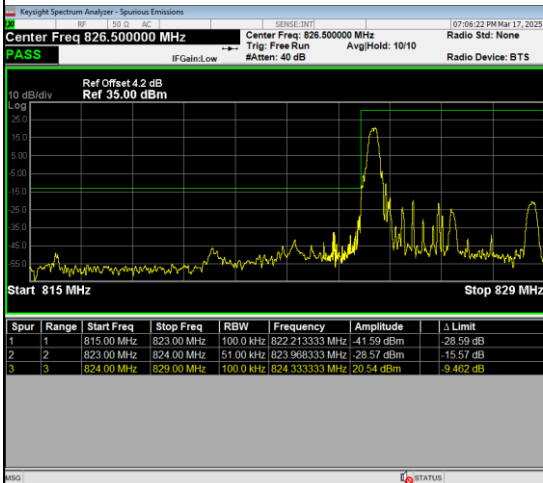
1RB#24

Channel

26815

Channel

27015



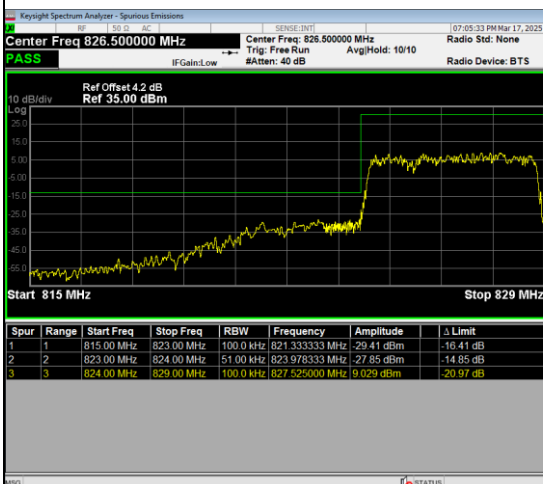
25RB#0

Channel

26815

Channel

27015



LTE Band 26_10MHz Spectrum Plot

1RB#0

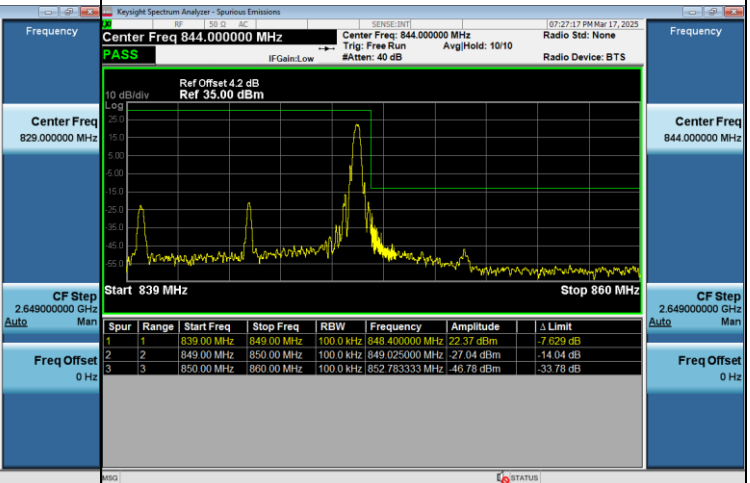
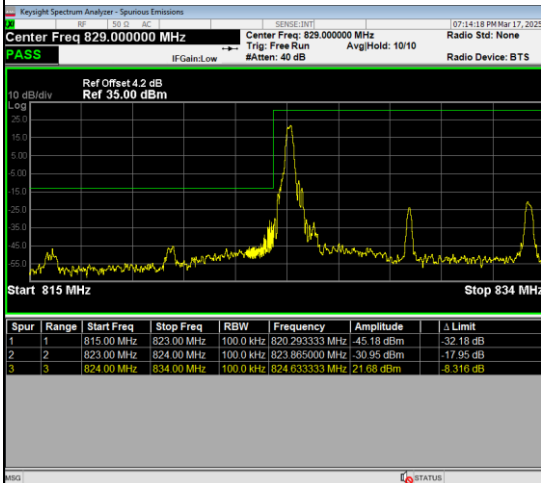
1RB#49

Channel

26840

Channel

26690



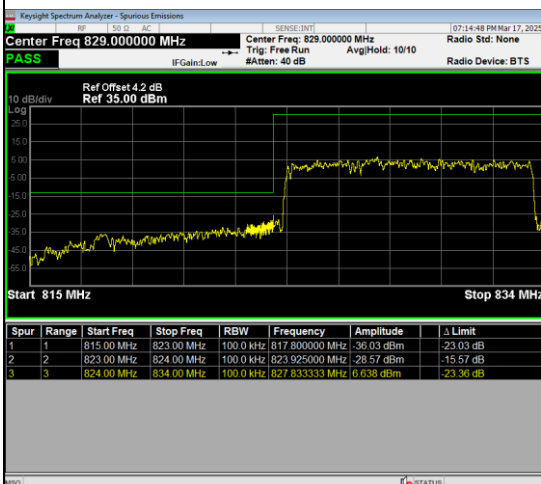
50RB#0

Channel

26840

Channel

26690



LTE Band 26_15MHz Spectrum Plot

1RB#0

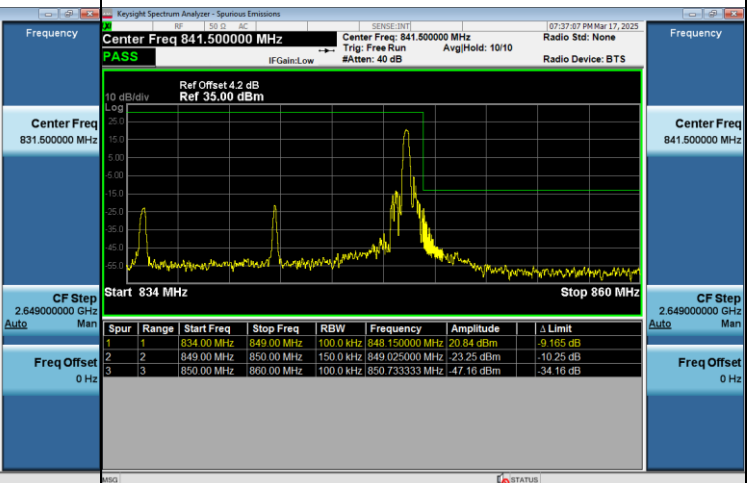
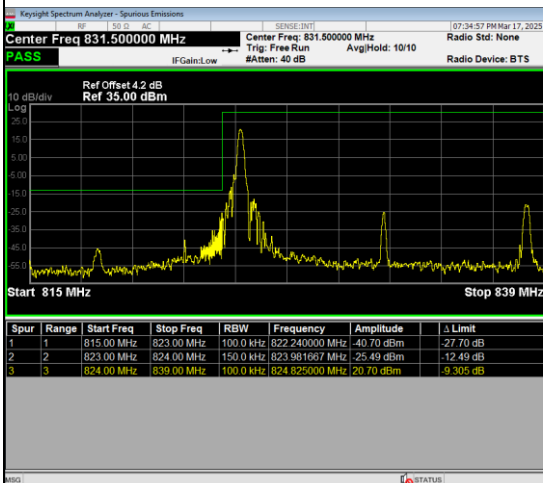
1RB#74

Channel

26865

Channel

26965



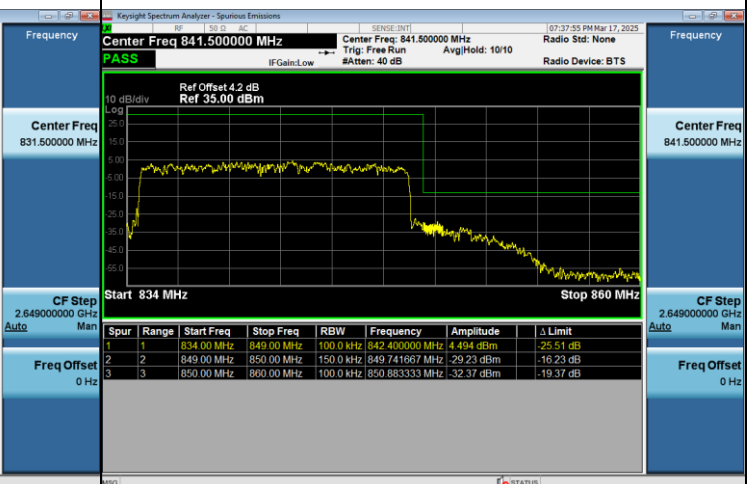
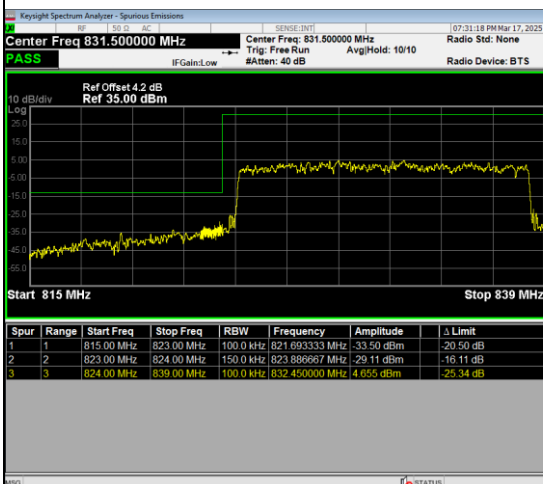
75RB#0

Channel

26865

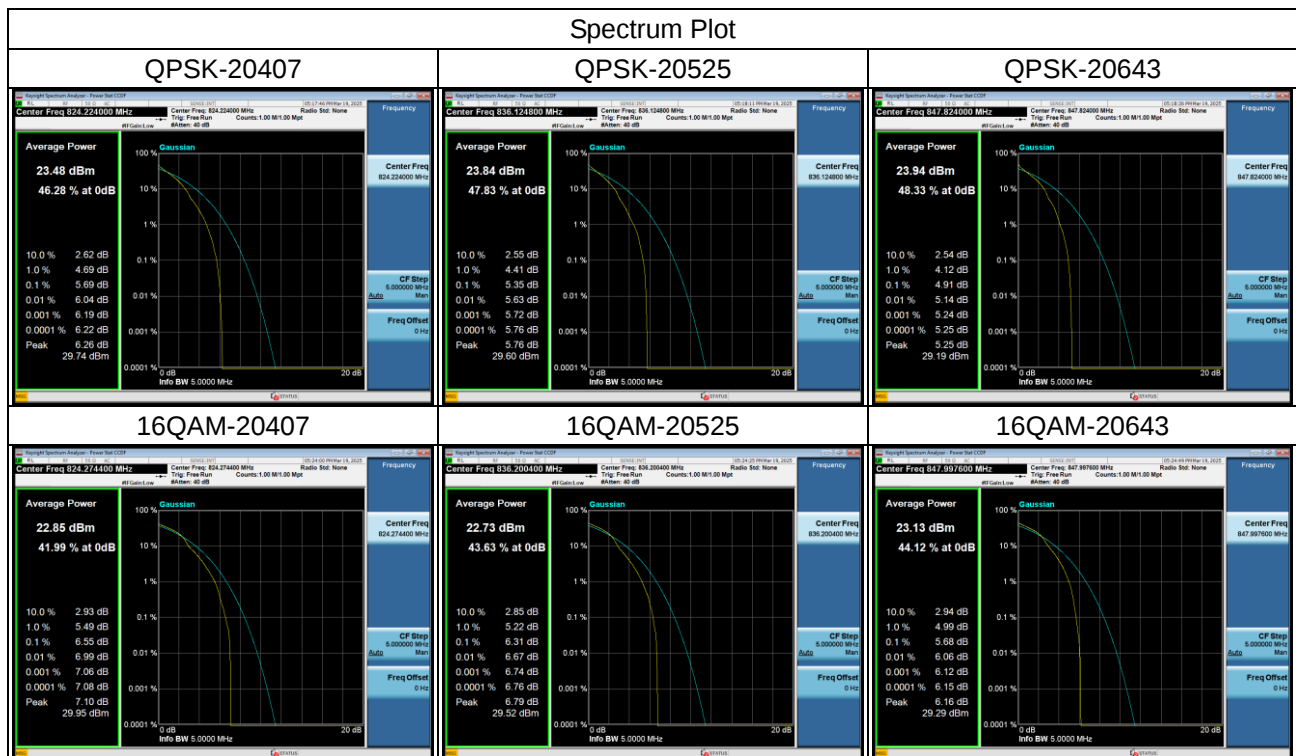
Channel

26965

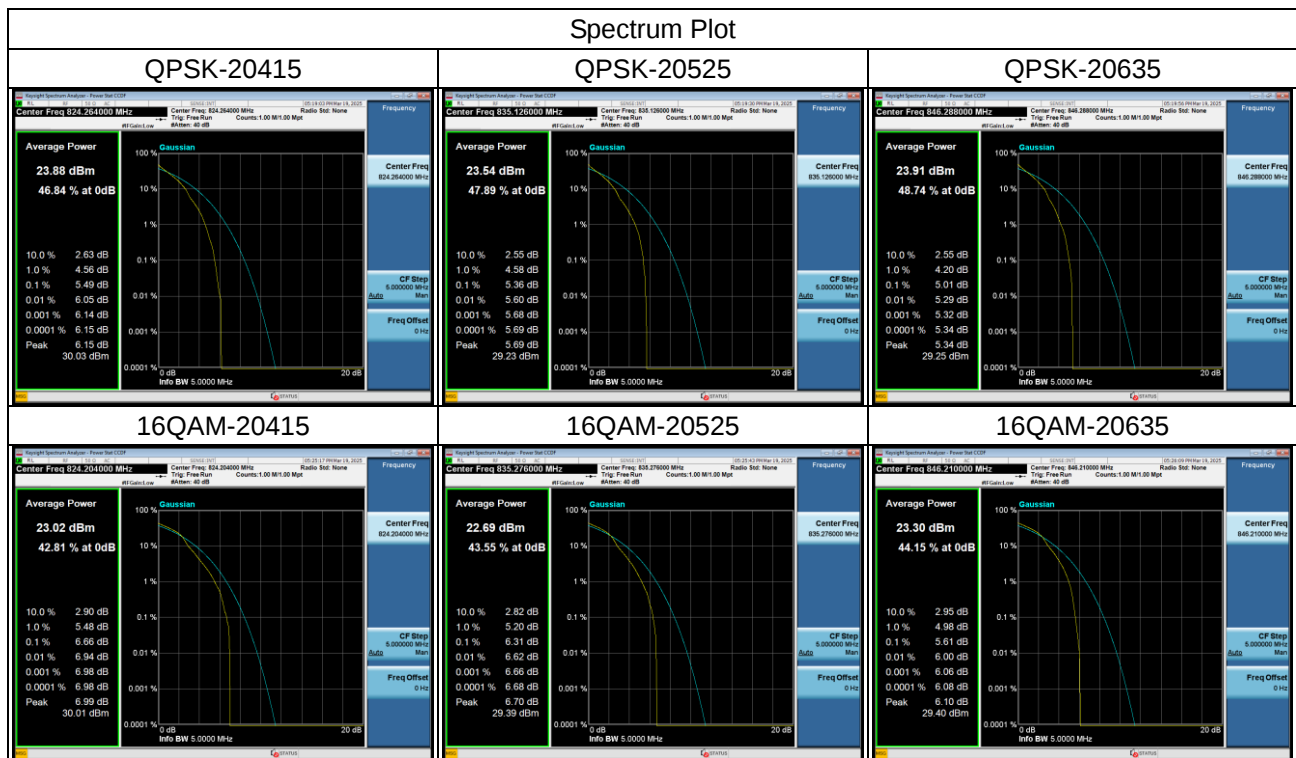


APPENDIX H - PEAK TO AVERAGE RATIO

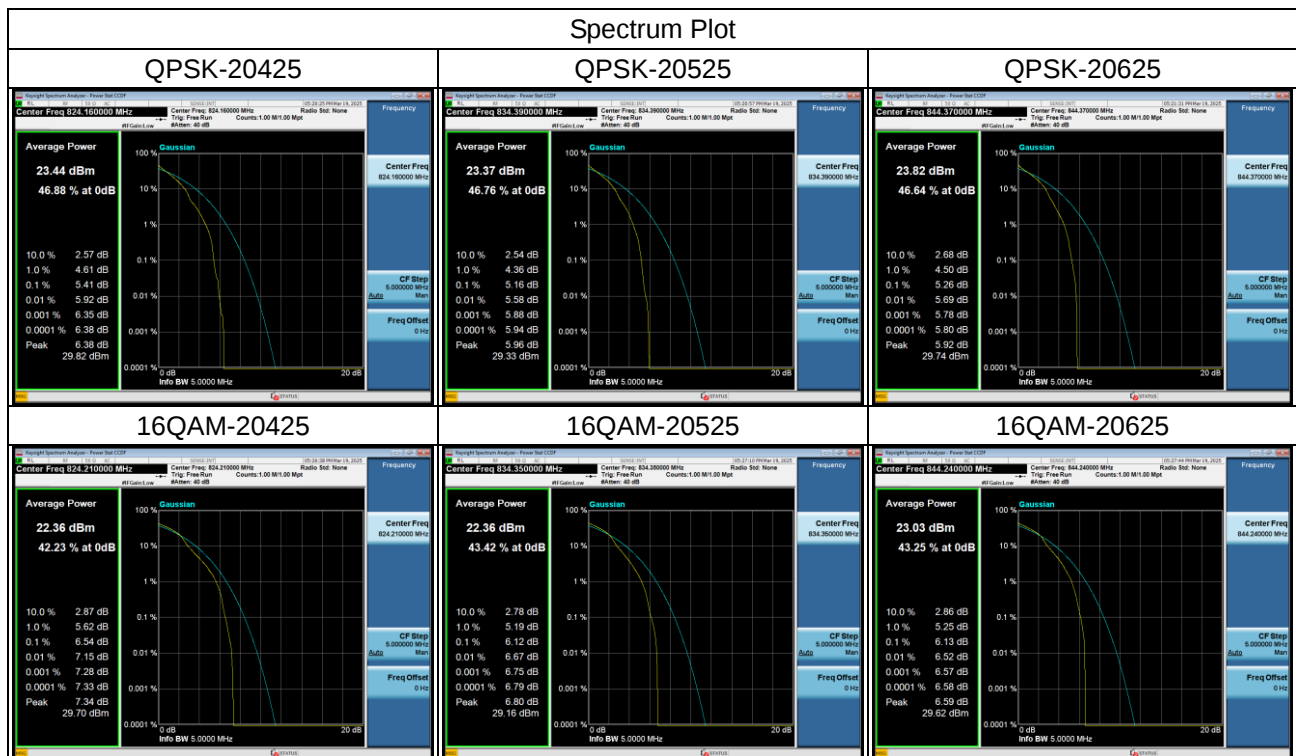
LTE Band 5_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20407	824.7	5.69	6.55	13	Pass
20525	836.5	5.35	6.31	13	Pass
20643	848.3	4.91	5.68	13	Pass



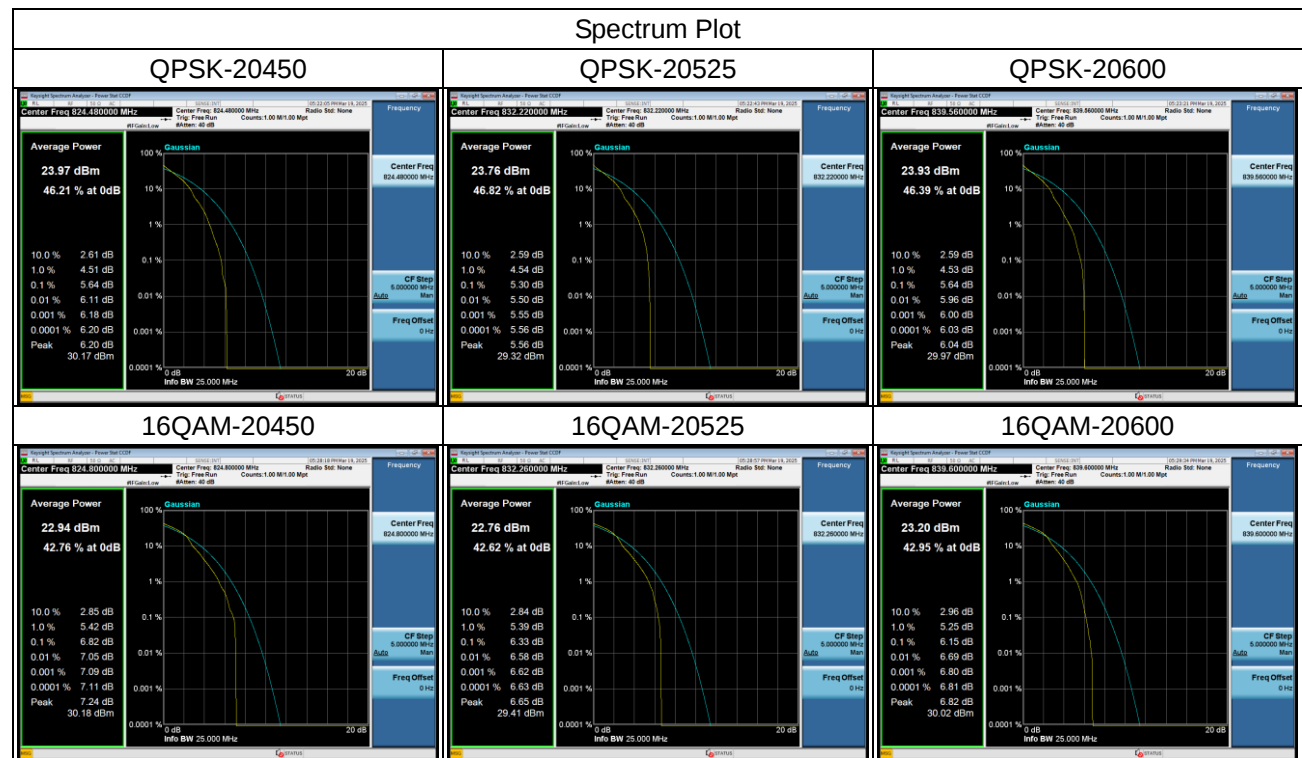
LTE Band 5_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20415	825.5	5.49	6.66	13	Pass
20525	836.5	5.36	6.31	13	Pass
20635	847.5	5.01	5.61	13	Pass



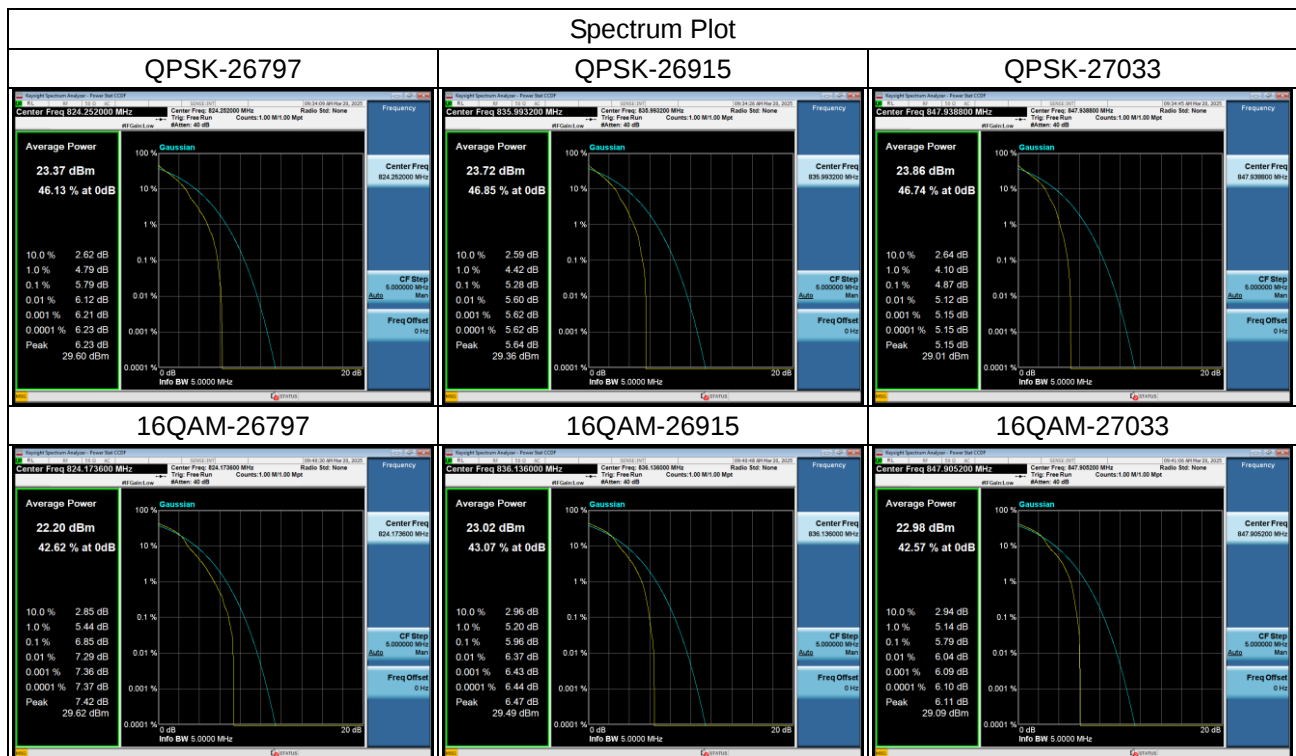
LTE Band 5_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20425	826.5	5.41	6.54	13	Pass
20525	836.5	5.16	6.12	13	Pass
20625	846.5	5.26	6.13	13	Pass



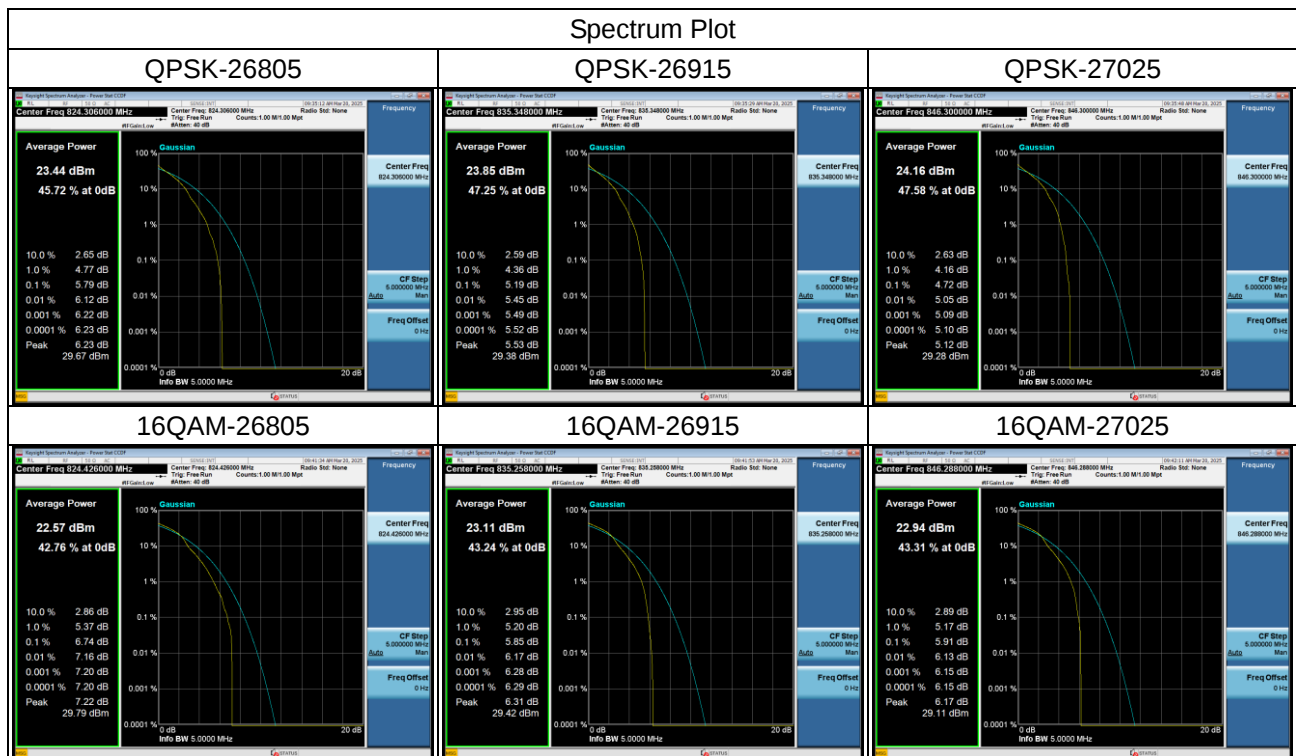
LTE Band 5_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20450	829.0	5.64	6.82	13	Pass
20525	836.5	5.30	6.33	13	Pass
20600	844.0	5.64	6.15	13	Pass



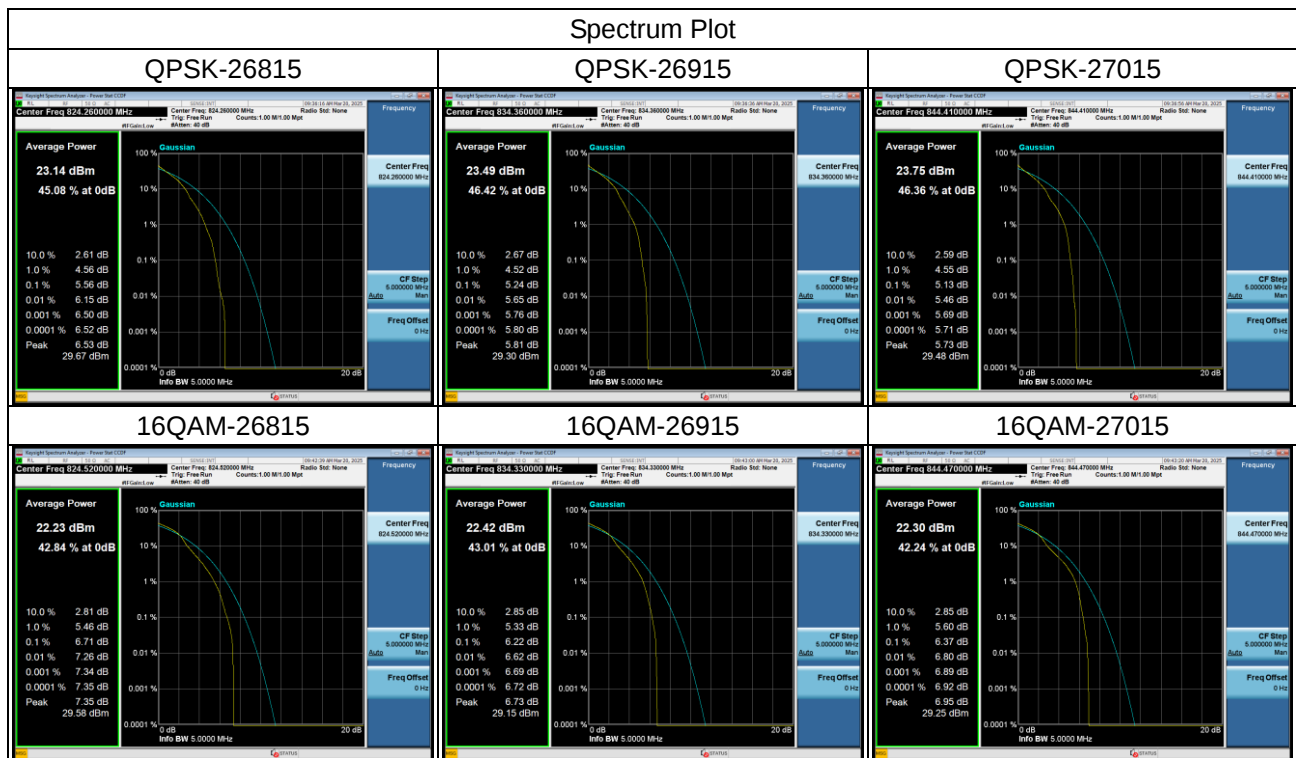
LTE Band 26_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
26797	824.7	5.79	6.85	13	Pass
26915	836.5	5.28	5.96	13	Pass
27033	848.3	4.87	5.79	13	Pass



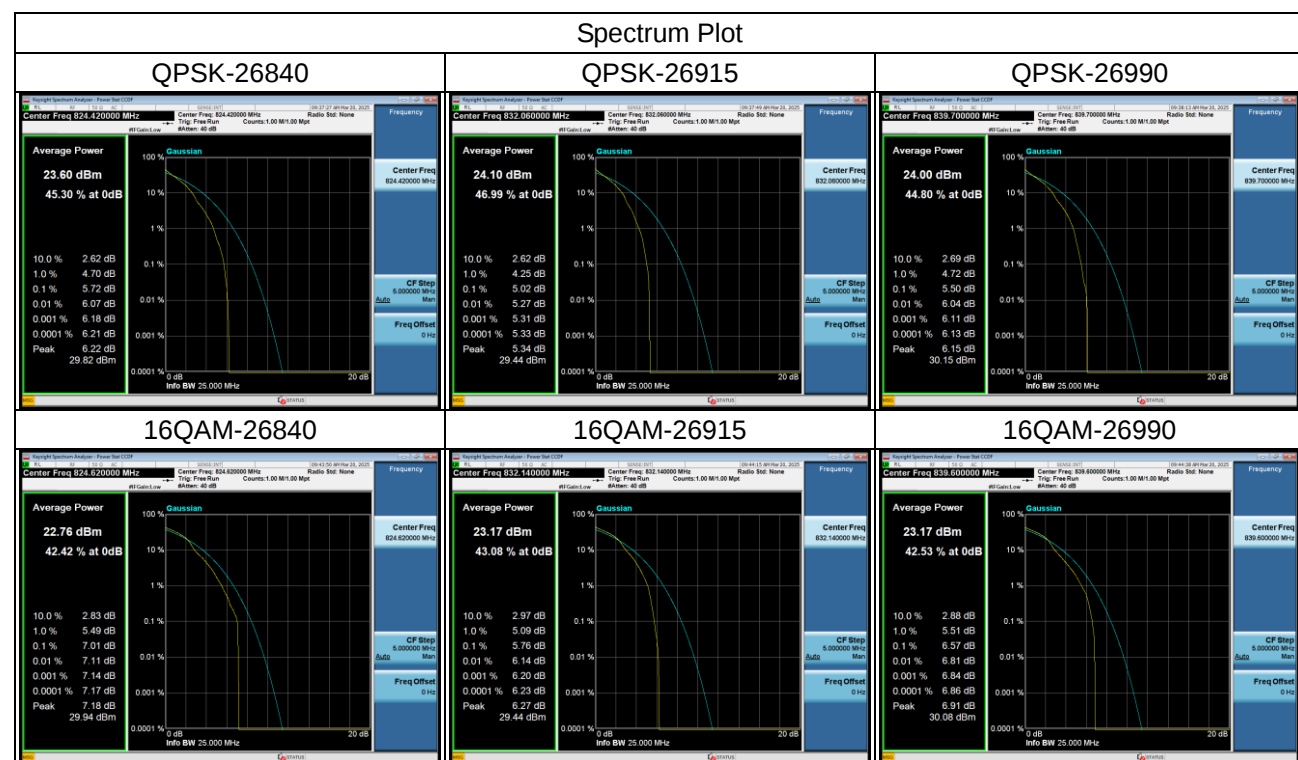
LTE Band 26_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
26805	825.5	5.79	6.74	13	Pass
26915	836.5	5.19	5.85	13	Pass
27025	847.5	4.72	5.91	13	Pass



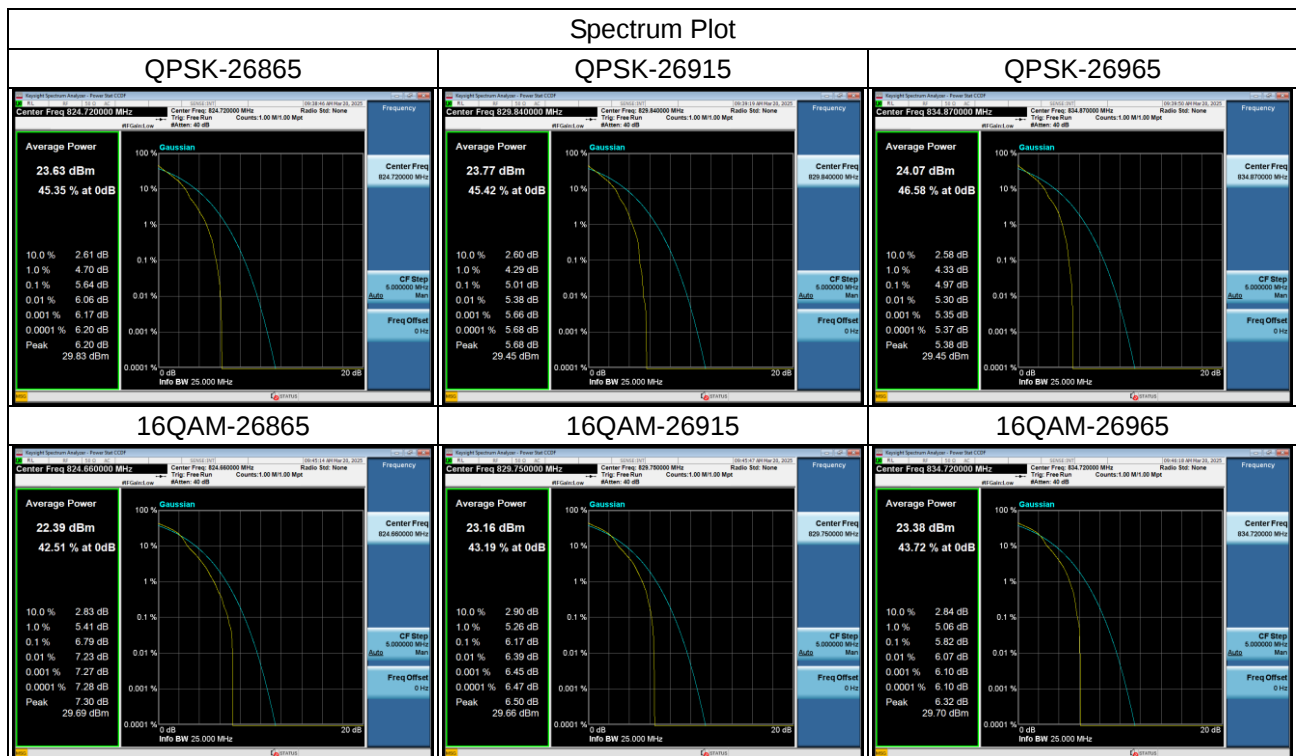
LTE Band 26_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
26815	826.5	5.56	6.71	13	Pass
26915	836.5	5.24	6.22	13	Pass
27015	846.5	5.13	6.37	13	Pass



LTE Band 26_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
26840	829	5.72	7.01	13	Pass
26915	836.5	5.02	5.76	13	Pass
26990	844	5.50	6.57	13	Pass



LTE Band 26_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
26865	831.5	5.64	6.79	13	Pass
26915	836.5	5.01	6.17	13	Pass
26965	841.5	4.97	5.82	13	Pass



APPENDIX I - FREQUENCY STABILITY

Test Mode	LTE Band 5_10MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency error (Hz)	ppm	Limit
50	4.26	0.0051	±2.5ppm
40	-2.53	-0.0030	
30	3.48	0.0042	
20	-5.36	-0.0064	
10	-3.56	-0.0043	
0	-3.82	-0.0046	
-10	5.36	0.0064	
-20	3.46	0.0041	
-30	3.86	0.0046	
Minimum voltage	2.58	0.0031	
Maximum voltage	4.35	0.0052	
Nominal voltage	4.18	0.0050	

Note: Nominal voltage= 3.8V, Maximum voltage= 4.4V, Minimum voltage= 3.55V.

Test Mode	LTE Band 26_15MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency error (Hz)	ppm	Limit
50	4.23	0.0051	±2.5ppm
40	-4.74	-0.0057	
30	5.54	0.0066	
20	8.63	0.0103	
10	-5.36	-0.0064	
0	5.28	0.0063	
-10	4.63	0.0055	
-20	-4.78	-0.0057	
-30	-8.21	-0.0098	
Minimum voltage	-4.63	-0.0055	
Maximum voltage	-6.42	-0.0077	
Nominal voltage	-3.54	-0.0042	

Note: Nominal voltage= 3.8V, Maximum voltage= 4.4V, Minimum voltage= 3.55V.

End of Test Report