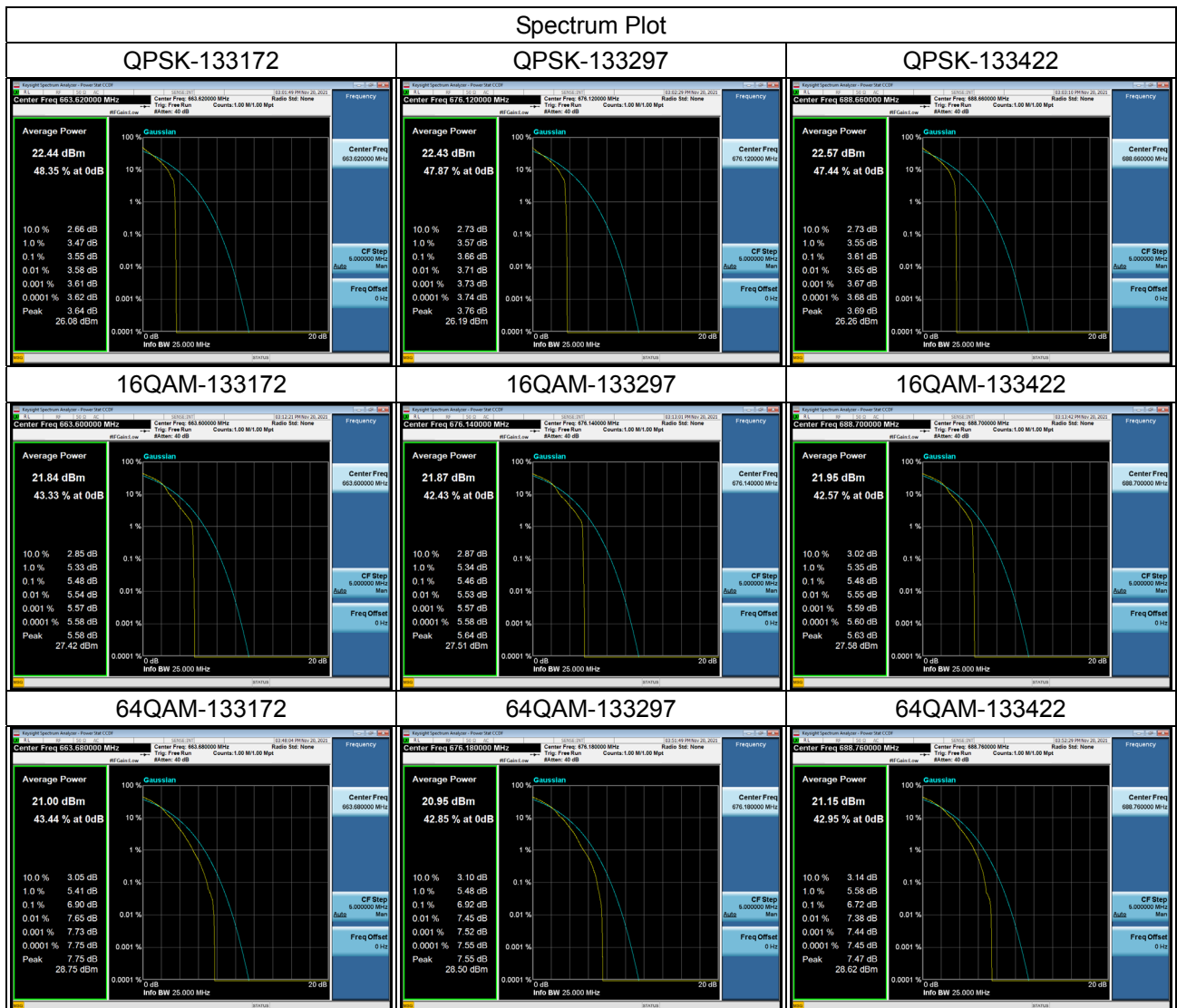
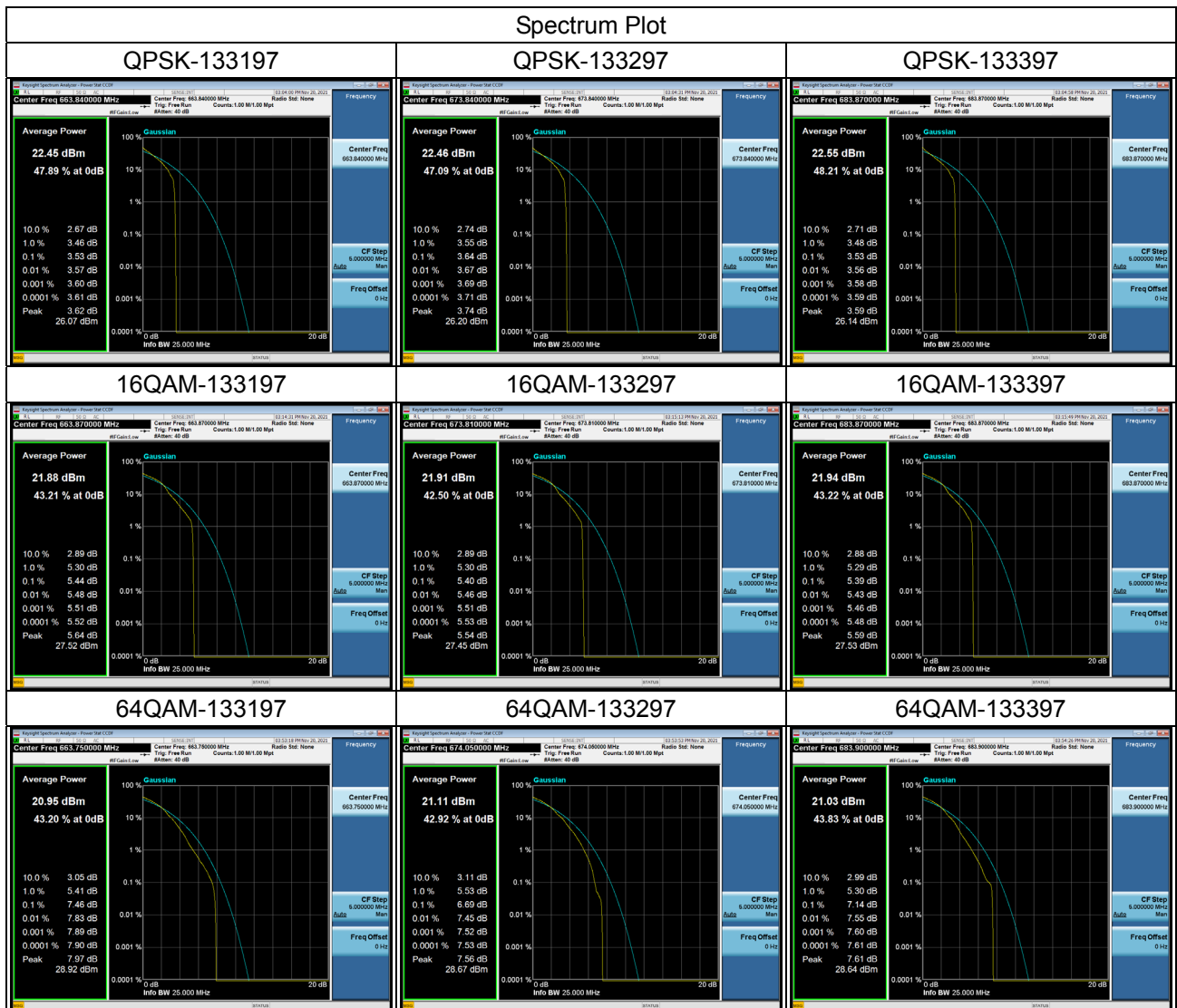


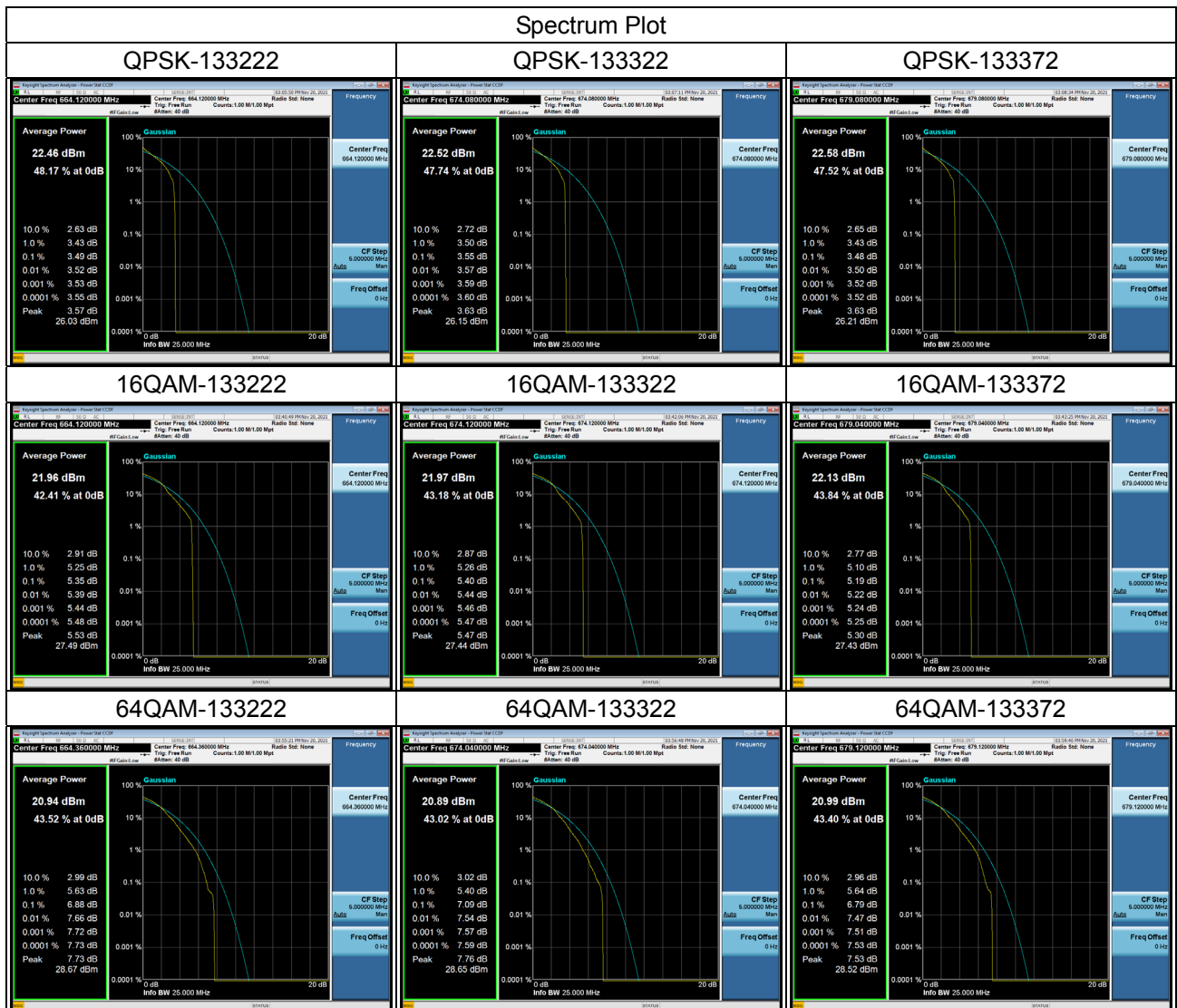
LTE Band 71_10MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)	Result
		QPSK	16QAM	64QAM		
133172	668	3.55	5.48	6.90	13	Pass
133297	680.5	3.66	5.46	6.92	13	Pass
133422	693	3.61	5.48	6.72	13	Pass



LTE Band 71_15MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)	Result
		QPSK	16QAM	64QAM		
133197	670.5	3.53	5.44	7.46	13	Pass
133297	680.5	3.64	5.40	6.69	13	Pass
133397	690.5	3.53	5.39	7.14	13	Pass



LTE Band 71_20MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)	Result
		QPSK	16QAM	64QAM		
133222	673	3.49	5.35	6.88	13	Pass
133322	683	3.55	5.40	7.09	13	Pass
133372	688	3.48	5.19	6.79	13	Pass



APPENDIX I - FREQUENCY STABILITY

Test Mode	WCDMA Band IV
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:1312 Reference point -13dBm	High channel limit:1513 Reference point -13dBm	Record only
50	1850.020000	1909.970000	-15.7068063
40	1850.020000	1909.970000	-15.7068063
30	1850.020000	1909.970000	-15.7068063
20	1850.020000	1909.970000	-15.7068063
10	1850.020000	1909.970000	-15.7068063
0	1850.020000	1909.970000	-15.7068063
-10	1850.020000	1909.970000	-15.7068063
-20	1850.020000	1909.970000	-15.7068063
-30	1850.020000	1909.970000	-15.7068063
Minimum voltage	1850.020000	1909.970000	-15.7068063
Maximum voltage	1850.020000	1909.970000	-15.7068063
Nominal voltage	1850.020000	1909.970000	-15.7068063

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 4_20MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:1710 Reference point -13dBm	High channel limit:1755 Reference point -13dBm	Record only
50	1710.180000	1754.820000	105.2631579
40	1710.180000	1754.820000	105.2631579
30	1710.180000	1754.820000	105.2631579
20	1710.180000	1754.820000	105.2631579
10	1710.180000	1754.820000	105.2631579
0	1710.180000	1754.820000	105.2631579
-10	1710.180000	1754.820000	105.2631579
-20	1710.180000	1754.820000	105.2631579
-30	1710.180000	1754.820000	105.2631579
Minimum voltage	1710.180000	1754.820000	105.2631579
Maximum voltage	1710.180000	1754.820000	105.2631579
Nominal voltage	1710.180000	1754.820000	105.2631579

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 7_20MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:2500 Reference point -10dBm	High channel limit:2570 Reference point -10dBm	Record only
50	2500.150000	2569.850000	60
40	2500.150000	2569.850000	60
30	2500.150000	2569.850000	60
20	2500.150000	2569.850000	60
10	2500.150000	2569.850000	60
0	2500.150000	2569.850000	60
-10	2500.150000	2569.850000	60
-20	2500.150000	2569.850000	60
-30	2500.150000	2569.850000	60
Minimum voltage	2500.150000	2569.850000	60
Maximum voltage	2500.150000	2569.850000	60
Nominal voltage	2500.150000	2569.850000	60

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 12_CH23095_10MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:699 Reference point -13dBm	High channel limit:716 Reference point -13dBm	Record only
50	699.080000	715.920000	114.4492132
40	699.080000	715.920000	114.4492132
30	699.080000	715.920000	114.4492132
20	699.080000	715.920000	114.4492132
10	699.080000	715.920000	114.4492132
0	699.080000	715.920000	114.4492132
-10	699.080000	715.920000	114.4492132
-20	699.080000	715.920000	114.4492132
-30	699.080000	715.920000	114.4492132
Minimum voltage	699.080000	715.920000	114.4492132
Maximum voltage	699.080000	715.920000	114.4492132
Nominal voltage	699.080000	715.920000	114.4492132

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 13_10MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:777 Reference point -13dBm	High channel limit:787 Reference point -13dBm	Record only
50	777.150000	786.870000	193.0501931
40	777.150000	786.870000	193.0501931
30	777.150000	786.870000	193.0501931
20	777.150000	786.870000	193.0501931
10	777.150000	786.870000	193.0501931
0	777.150000	786.870000	193.0501931
-10	777.150000	786.870000	193.0501931
-20	777.150000	786.870000	193.0501931
-30	777.150000	786.870000	193.0501931
Minimum voltage	777.150000	786.870000	193.0501931
Maximum voltage	777.150000	786.870000	193.0501931
Nominal voltage	777.150000	786.870000	193.0501931

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 17_10MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:704 Reference point -13dBm	High channel limit:716 Reference point -13dBm	Record only
50	704.140000	715.870000	198.8636364
40	704.140000	715.870000	198.8636364
30	704.140000	715.870000	198.8636364
20	704.140000	715.870000	198.8636364
10	704.140000	715.870000	198.8636364
0	704.140000	715.870000	198.8636364
-10	704.140000	715.870000	198.8636364
-20	704.140000	715.870000	198.8636364
-30	704.140000	715.870000	198.8636364
Minimum voltage	704.140000	715.870000	198.8636364
Maximum voltage	704.140000	715.870000	198.8636364
Nominal voltage	704.140000	715.870000	198.8636364

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 41_20MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:2496 Reference point -13dBm	High channel limit:2690 Reference point -13dBm	Record only
50	2496.090000	2689.917600	36.05769231
40	2496.090000	2689.917600	36.05769231
30	2496.090000	2689.917600	36.05769231
20	2496.090000	2689.917600	36.05769231
10	2496.090000	2689.917600	36.05769231
0	2496.090000	2689.917600	36.05769231
-10	2496.090000	2689.917600	36.05769231
-20	2496.090000	2689.917600	36.05769231
-30	2496.090000	2689.917600	36.05769231
Minimum voltage	2496.090000	2689.917600	36.05769231
Maximum voltage	2496.090000	2689.917600	36.05769231
Nominal voltage	2496.090000	2689.917600	36.05769231

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 66_20MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:1710 Reference point -13dBm	High channel limit:1780 Reference point -13dBm	Record only
50	1710.080000	1779.930000	46.78362573
40	1710.080000	1779.930000	46.78362573
30	1710.080000	1779.930000	46.78362573
20	1710.080000	1779.930000	46.78362573
10	1710.080000	1779.930000	46.78362573
0	1710.080000	1779.930000	46.78362573
-10	1710.080000	1779.930000	46.78362573
-20	1710.080000	1779.930000	46.78362573
-30	1710.080000	1779.930000	46.78362573
Minimum voltage	1710.080000	1779.930000	46.78362573
Maximum voltage	1710.080000	1779.930000	46.78362573
Nominal voltage	1710.080000	1779.930000	46.78362573

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 71_20MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:663 Reference point -13dBm	High channel limit:698 Reference point -13dBm	Record only
50	663.050000	697.980000	75.4147813
40	663.050000	697.980000	75.4147813
30	663.050000	697.980000	75.4147813
20	663.050000	697.980000	75.4147813
10	663.050000	697.980000	75.4147813
0	663.050000	697.980000	75.4147813
-10	663.050000	697.980000	75.4147813
-20	663.050000	697.980000	75.4147813
-30	663.050000	697.980000	75.4147813
Minimum voltage	663.050000	697.980000	75.4147813
Maximum voltage	663.050000	697.980000	75.4147813
Nominal voltage	663.050000	697.980000	75.4147813

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

End of Test Report