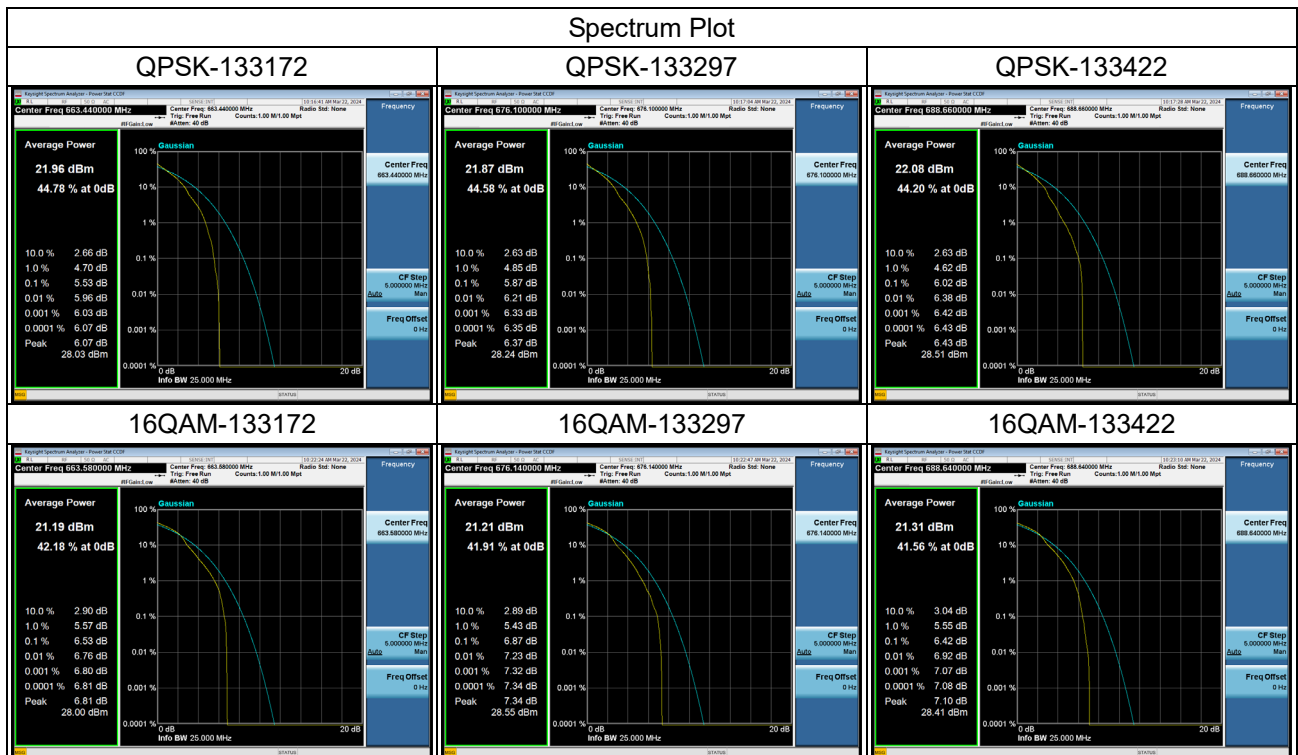
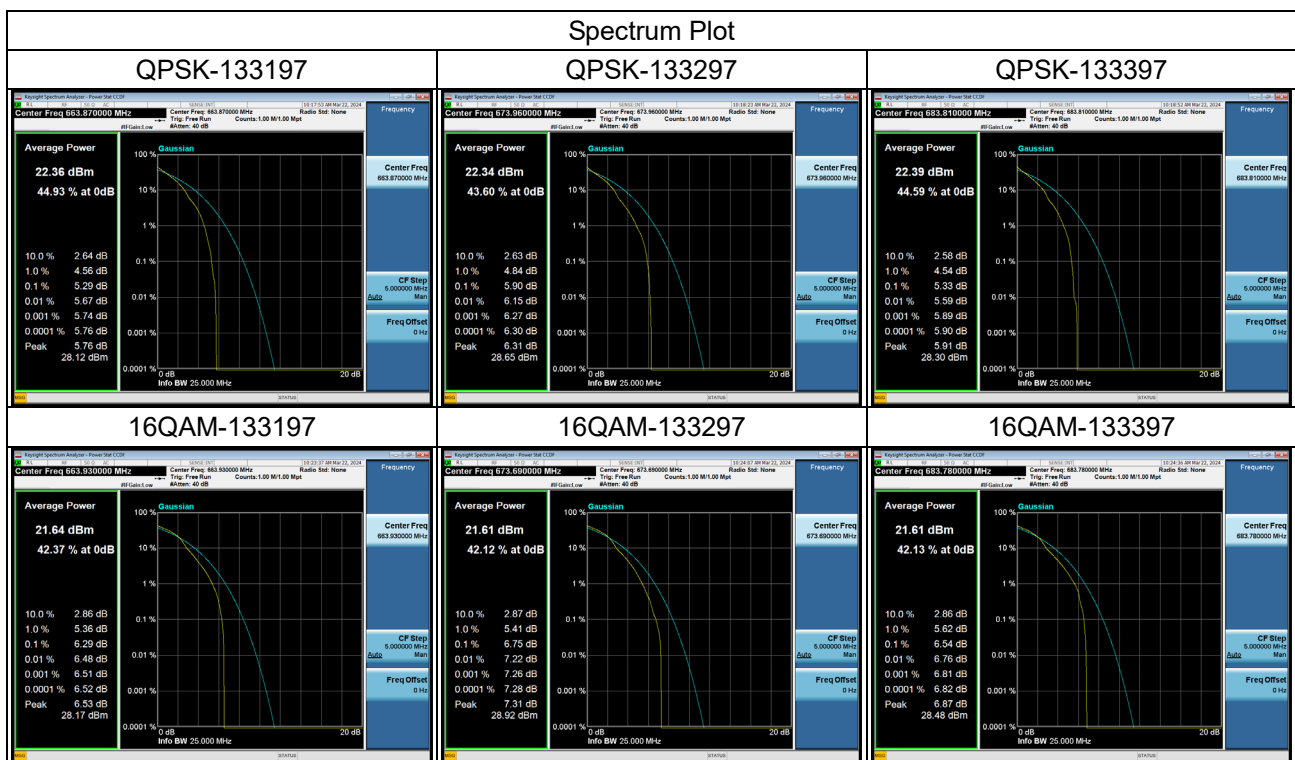


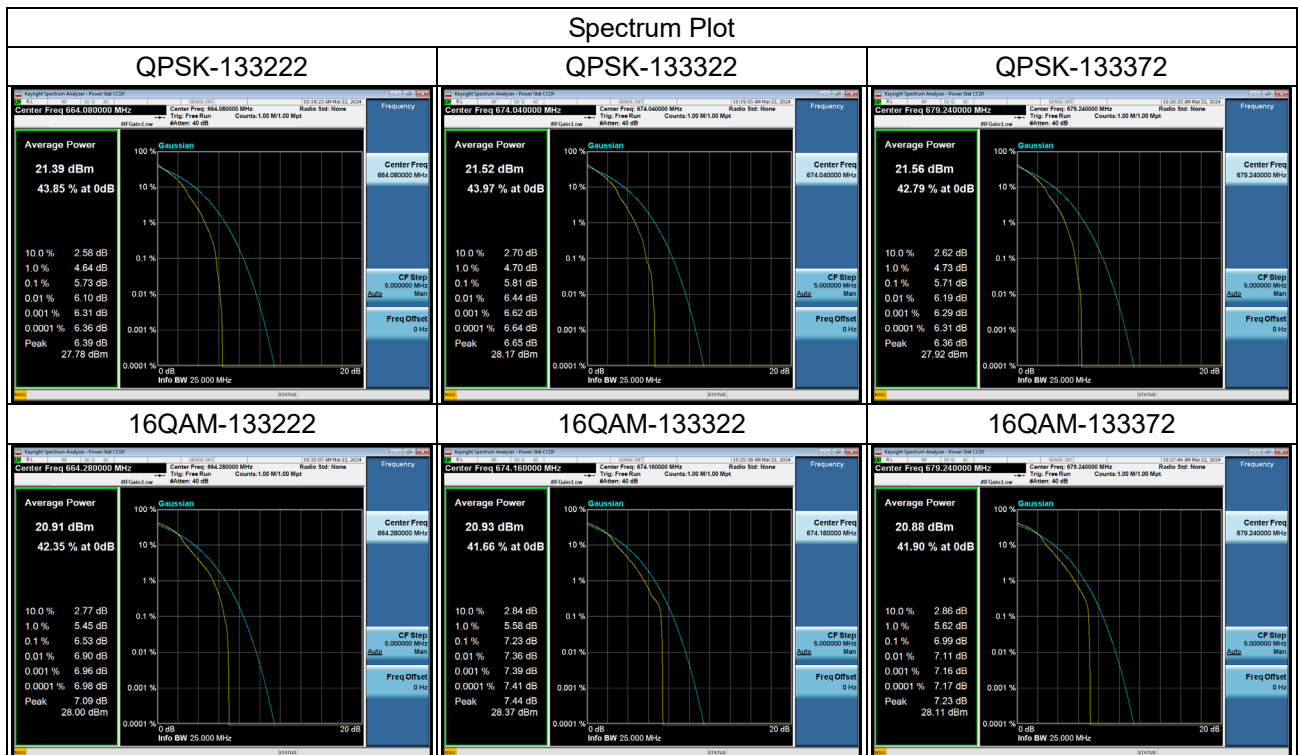
LTE Band 71_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
133172	668	5.53	6.53	13	Pass
133297	680.5	5.87	6.87	13	Pass
133422	693	6.02	6.42	13	Pass



LTE Band 71_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
133197	670.5	5.29	6.29	13	Pass
133297	680.5	5.90	6.75	13	Pass
133397	690.5	5.33	6.54	13	Pass



LTE Band 71_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
133222	673	5.73	6.53	13	Pass
133322	683	5.81	7.23	13	Pass
133372	688	5.71	6.99	13	Pass



APPENDIX I - FREQUENCY STABILITY

Test Mode	WCDMA Band IV
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:1710MHz	Highest channel limit:1755MHz		Record only
50	0.00001606	0.00001685	1710.940000	1754.900000	1710.939984	1754.900017	Pass	0.0096
40	0.00002233	0.00001768			1710.939978	1754.900018	Pass	0.0130
30	0.00003232	0.00001432			1710.939968	1754.900014	Pass	0.0189
20	0.00002621	0.00002352			1710.939974	1754.900024	Pass	0.0153
10	0.00002865	0.00002538			1710.939971	1754.900025	Pass	0.0167
0	0.00002541	0.00002452			1710.939975	1754.900025	Pass	0.0148
-10	0.00002832	0.00002212			1710.939972	1754.900022	Pass	0.0165
-20	0.00002680.0	0.0000198			1710.939974	1754.900020	Pass	0.0154
-30	0.00003255	0.00001882			1710.939967	1754.900019	Pass	0.0190
Minimum voltage	0.00003312	0.00002245			1710.939967	1754.900022	Pass	0.0193
Maximum voltage	0.00002251	0.00002680.0			1710.939977	1754.900026	Pass	0.0151
Nominal voltage	0.00002106	0.00002235			1710.939979	1754.900022	Pass	0.0128

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

Test Mode	LTE Band 4_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:1710MHz	Highest channel limit:1755MHz		Record only
50	0.00000691	-0.00000591	1710.080000	1754.720000	1710.079993	1754.719994	Pass	0.0040
40	0.0000121	-0.00000956			1710.079988	1754.719990	Pass	0.0070
30	0.00000768	-0.00000704			1710.079992	1754.719993	Pass	0.0045
20	0.00000747	-0.00000649			1710.079993	1754.719994	Pass	0.0043
10	0.00000658	-0.00000712			1710.079993	1754.719993	Pass	-0.0041
0	0.00000611	-0.00000554			1710.079994	1754.719994	Pass	0.0036
-10	0.00001489	-0.00000732			1710.079985	1754.719993	Pass	0.0087
-20	0.0000078	-0.00000924			1710.079992	1754.719991	Pass	-0.0053
-30	0.00001075	-0.00000652			1710.079989	1754.719993	Pass	0.0063
Minimum voltage	0.00001093	-0.00000718			1710.079989	1754.719993	Pass	0.0064
Maximum voltage	0.00000672	-0.00000678			1710.079993	1754.719993	Pass	0.0039
Nominal voltage	0.00000734	-0.00000585			1710.079993	1754.719994	Pass	0.0043

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

Test Mode	LTE Band 7_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-10dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:2500MHz	Highest channel limit:2570MHz		Record only
50	0.00000874	0.00000744	2500.40	2569.60	2500.399991	2569.600007	Pass	0.0035
40	-0.00001129	0.00000641			2500.400011	2569.600006	Pass	-0.0045
30	0.00000831	-0.0000071			2500.399992	2569.599993	Pass	0.0033
20	0.00001084	0.000008			2500.399989	2569.600008	Pass	0.0043
10	0.00000875	0.0000102			2500.399991	2569.600010	Pass	0.0040
0	0.00000904	0.00000793			2500.399991	2569.600008	Pass	0.0036
-10	0.00000818	0.00000647			2500.399992	2569.600006	Pass	0.0033
-20	0.00001024	0.00000622			2500.399990	2569.600006	Pass	0.0041
-30	0.00000911	0.00000705			2500.399991	2569.600007	Pass	0.0036
Minimum voltage	0.00000863	0.00000725			2500.399991	2569.600007	Pass	0.0034
Maximum voltage	0.00000847	-0.00000692			2500.399992	2569.599993	Pass	0.0034
Nominal voltage	0.00001017	0.00000754			2500.399990	2569.600008	Pass	0.0041

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

Test Mode	LTE Band 12_CH23095_10MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:699MHz	Highest channel limit:716MHz		Record only
50	0.00000432	-0.00000386	699.040000	715.940000	699.039996	715.939996	Pass	0.0061
40	0.00000529	0.00000378			699.039995	715.940004	Pass	0.0075
30	0.00000492	-0.00000412			699.039995	715.939996	Pass	0.0070
20	-0.00000541	-0.00000466			699.040005	715.939995	Pass	-0.0077
10	0.00000473	-0.00000608			699.039995	715.939994	Pass	-0.0086
0	-0.0000035	-0.00000751			699.040004	715.939992	Pass	-0.0106
-10	0.00000312	-0.00000587			699.039997	715.939994	Pass	-0.0083
-20	0.00000492	-0.00000609			699.039995	715.939994	Pass	-0.0086
-30	0.00000491	-0.00000522			699.039995	715.939995	Pass	-0.0073
Minimum voltage	0.00000458	-0.00000542			699.039995	715.939995	Pass	-0.0076
Maximum voltage	0.00000579	-0.00000541			699.039994	715.939995	Pass	0.0082
Nominal voltage	0.00000415	-0.00000655			699.039996	715.939993	Pass	-0.0092

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

Test Mode	LTE Band 13_10MHz
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Temperature (°C)	Mid channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
		f _L (MHz)	f _H (MHz)	Lowest channel limit:777MHz	Highest channel limit:787MHz		Record only
50	0.00000506	777.060000	786.880000	777.059995	786.880005	Pass	0.0065
40	0.00000581			777.059994	786.880006	Pass	0.0074
30	-0.00000378			777.060004	786.879996	Pass	-0.0048
20	-0.00000465			777.060005	786.879995	Pass	-0.0059
10	0.00000518			777.059995	786.880005	Pass	0.0066
0	0.00000459			777.059995	786.880005	Pass	0.0059
-10	0.00000678			777.059993	786.880007	Pass	0.0087
-20	0.00000365			777.059996	786.880004	Pass	0.0047
-30	0.00000269			777.059997	786.880003	Pass	0.0034
Minimum voltage	0.00000295			777.059997	786.880003	Pass	0.0038
Maximum voltage	0.00000408			777.059996	786.880004	Pass	0.0052
Nominal voltage	0.00000808			777.059992	786.880008	Pass	0.0103

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

Test Mode	LTE Band 17_10MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:704MHz	Highest channel limit:716MHz		Record only
50	-0.00000365	-0.00000303	704.600000	715.800000	704.600004	715.799997	Pass	-0.0051
40	-0.00000491	-0.00000511			704.600005	715.799995	Pass	-0.0072
30	-0.00000532	-0.00000473			704.600005	715.799995	Pass	-0.0075
20	-0.00000456	-0.00000466			704.600005	715.799995	Pass	-0.0066
10	-0.00000356	-0.00000076			704.600004	715.799992	Pass	-0.0107
0	-0.00000235	-0.00000086			704.600002	715.799991	Pass	-0.0121
-10	-0.00000333	-0.00000056			704.600003	715.799994	Pass	-0.0079
-20	-0.00000312	-0.00000555			704.600003	715.799994	Pass	-0.0078
-30	-0.00000856	-0.00000356			704.600009	715.799996	Pass	-0.0121
Minimum voltage	-0.00000734	-0.00000264			704.600007	715.799997	Pass	-0.0104
Maximum voltage	-0.00000312	-0.00000395			704.600003	715.799996	Pass	-0.0056
Nominal voltage	-0.00000383	-0.00000965			704.600004	715.799990	Pass	-0.0136

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

Test Mode	LTE Band 38_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-10dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:2570MHz	Highest channel limit:2620MHz		Record only
50	0.00001895	0.00001752	2570.240000	2619.640000	2570.239981	2619.640018	Pass	0.01
40	0.00002267	0.00001628			2570.239977	2619.640016	Pass	0.01
30	0.00002266	-0.00001499			2570.239977	2619.639985	Pass	0.01
20	0.00001901	0.0000197			2570.239981	2619.640020	Pass	0.01
10	0.00002309	0.00001648			2570.239977	2619.640016	Pass	0.01
0	0.00001913	0.00001416			2570.239981	2619.640014	Pass	0.01
-10	0.0000227	-0.00001465			2570.239977	2619.639985	Pass	0.01
-20	0.00002014	0.00001569			2570.239980	2619.640016	Pass	0.01
-30	0.00002117	0.0000119			2570.239979	2619.640012	Pass	0.01
Minimum voltage	0.00002416	0.00001669			2570.239976	2619.640017	Pass	0.01
Maximum voltage	0.00001871	0.00001611			2570.239981	2619.640016	Pass	0.01
Nominal voltage	0.0000206	0.00001277			2570.239979	2619.640013	Pass	0.01

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

Test Mode	LTE Band 41_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:2496MHz	Highest channel limit:2690MHz		Record only
50	-0.00004683	0.00002033	2496.160000	2689.720000	2496.160047	2689.720020	Pass	-0.0187
40	-0.00004279	0.00001963			2496.160043	2689.720020	Pass	-0.0171
30	0.00002203	0.00002463			2496.159978	2689.720025	Pass	0.0092
20	0.00001981	0.00002305			2496.159980	2689.720023	Pass	0.0086
10	0.00001489	0.00003352			2496.159985	2689.720034	Pass	0.0125
0	0.00001775	0.00002176			2496.159982	2689.720022	Pass	0.0081
-10	0.00001654	0.00002306			2496.159983	2689.720023	Pass	0.0086
-20	0.00001791	0.00002476			2496.159982	2689.720025	Pass	0.0092
-30	0.00001934	0.00004077			2496.159981	2689.720041	Pass	0.0152
Minimum voltage	0.00001293	0.00003572			2496.159987	2689.720036	Pass	0.0133
Maximum voltage	0.00001544	0.00001797			2496.159985	2689.720018	Pass	0.0067
Nominal voltage	0.00001638	0.00002436			2496.159984	2689.720024	Pass	0.0091

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

Test Mode	LTE Band 66_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:1710MHz	Highest channel limit:1780MHz		Record only
50	0.00000765	-0.00001855	1710.20000	1779.68000	1710.199992	1779.679981	Pass	-0.0105
40	0.00000469	-0.00000552			1710.199995	1779.679994	Pass	-0.0031
30	0.00000639	-0.00001247			1710.199994	1779.679988	Pass	-0.0070
20	0.00000452	-0.00000758			1710.199995	1779.679992	Pass	-0.0043
10	0.0000075	-0.00000863			1710.199993	1779.679991	Pass	-0.0049
0	0.00000559	-0.00000954			1710.199994	1779.679990	Pass	-0.0054
-10	0.00000758	-0.00001265			1710.199992	1779.679987	Pass	-0.0071
-20	0.00000579	-0.00001362			1710.199994	1779.679986	Pass	-0.0077
-30	0.00000671	-0.00001532			1710.199993	1779.679985	Pass	-0.0087
Minimum voltage	0.00000451	-0.00001212			1710.199995	1779.679988	Pass	-0.0068
Maximum voltage	0.00000685	-0.00000825			1710.199993	1779.679992	Pass	-0.0047
Nominal voltage	0.00000725	-0.00000763			1710.199993	1779.679992	Pass	-0.0043

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

Test Mode	LTE Band 71_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:663MHz	Highest channel limit:698MHz		Record only
50	-0.00000286	0.00000346	663.1 60000	697.7 20000	663.160003	697.720003	Pass	0.0050
40	0.00000332	-0.00000418			663.159997	697.719996	Pass	-0.0061
30	-0.00000412	-0.00000422			663.160004	697.719996	Pass	-0.0061
20	-0.00000468	-0.00000205			663.160005	697.719998	Pass	-0.0070
10	-0.00000621	-0.00000342			663.160006	697.719997	Pass	-0.0092
0	-0.00000303	-0.00000569			663.160003	697.719994	Pass	-0.0083
-10	-0.00000438	-0.00000325			663.160004	697.719997	Pass	-0.0065
-20	-0.00000293	-0.00000393			663.160003	697.719996	Pass	-0.0057
-30	-0.00000495	-0.00000419			663.160005	697.719996	Pass	-0.0074
Minimum voltage	-0.00000325	-0.00000381			663.160003	697.719996	Pass	-0.0055
Maximum voltage	-0.00000418	-0.00000405			663.160004	697.719996	Pass	-0.0062
Nominal voltage	-0.00000431	-0.00000682			663.160004	697.719993	Pass	-0.0099

Note: Nominal voltage= 3.8V, Maximum voltage= 4.35V, Minimum voltage= 3.5V.

End of Test Report