

LTE Band 2_20MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)	Result
		QPSK	16QAM	64QAM		
18700	1860	4.47	5.16	4.93	13	Pass
18900	1880	4.91	5.74	5.52	13	Pass
19100	1900	4.36	5.13	5.43	13	Pass



APPENDIX I - FREQUENCY STABILITY

Test Mode	GSM1900_CH661
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Frequency error versus temperature and supply voltage								
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:1850MHz	Highest channel limit:1910MHz		Record only
50	0.00002343	0.00002422	1850.820000	1909.540000	1850.819977	1909.540024	Pass	0.0127
40	0.00002524	0.00002332			1850.819975	1909.540023	Pass	0.0136
30	0.00003213	0.00002321			1850.819968	1909.540023	Pass	0.0174
20	0.00002425	0.00002356			1850.819976	1909.540024	Pass	0.0131
10	0.00002238	0.00002243			1850.819978	1909.540022	Pass	0.0121
0	0.00002395	0.00002115			1850.819976	1909.540021	Pass	0.0129
-10	0.00002447	0.00002576			1850.819976	1909.540026	Pass	0.0135
-20	0.00002122	0.00002636			1850.819979	1909.540026	Pass	0.0138
-30	0.00002367	0.00002687			1850.819976	1909.540027	Pass	0.0141
85% of nominal voltage	0.00002397	0.00002629			1850.819976	1909.540026	Pass	0.0138
115% of nominal voltage	0.00002396	0.00002368			1850.819976	1909.540024	Pass	0.0129
Nominal voltage	0.00002389	0.00002346			1850.819976	1909.540023	Pass	0.0129

Note: Nominal voltage= 3.6V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	WCDMA Band II_CH9400
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Frequency error versus temperature and supply voltage								
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:1850MHz	Highest channel limit:1910MHz		Record only
50	0.00001743	0.00001524	1850.650000	1909.450000	1850.649983	1909.450015	Pass	0.0094
40	0.0000168	0.00001552			1850.649983	1909.450016	Pass	0.0091
30	0.00001662	0.00001836			1850.649983	1909.450018	Pass	0.0096
20	0.00001669	0.00001981			1850.649983	1909.450020	Pass	0.0104
10	0.00001645	0.00002131			1850.649984	1909.450021	Pass	0.0112
0	0.00001654	0.00002041			1850.649983	1909.450020	Pass	0.0107
-10	0.00002032	0.00001862			1850.649980	1909.450019	Pass	0.0110
-20	0.00002023	0.00001821			1850.649980	1909.450018	Pass	0.0109
-30	0.00002123	0.00001676			1850.649979	1909.450017	Pass	0.0115
85% of nominal voltage	0.00001862	0.00001842			1850.649981	1909.450018	Pass	0.0101
115% of nominal voltage	0.00001712	0.00001831			1850.649983	1909.450018	Pass	0.0096
Nominal voltage	0.00001752	0.00001631			1850.649982	1909.450016	Pass	0.0095

Note: Nominal voltage= 3.6V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 2_CH18900_20MHz
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Frequency error versus temperature and supply voltage								
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:1850MHz	Highest channel limit:1910MHz		Record only
50	-0.00003734	-0.00002838	1850.350000	1909.350000	1850.350037	1909.349972	Pass	-0.0201
40	-0.0000286	-0.00003898			1850.350029	1909.349961	Pass	-0.0205
30	-0.00003728	-0.00004615			1850.350037	1909.349954	Pass	-0.0243
20	-0.00003921	-0.00004762			1850.350039	1909.349952	Pass	-0.0251
10	-0.00002921	-0.00003668			1850.350029	1909.349963	Pass	-0.0193
0	-0.00003788	-0.00003744			1850.350038	1909.349963	Pass	-0.0204
-10	-0.00002722	-0.00002827			1850.350027	1909.349972	Pass	-0.0149
-20	-0.00004795	-0.00002611			1850.350048	1909.349974	Pass	-0.0258
-30	-0.00005661	-0.00002884			1850.350057	1909.349971	Pass	-0.0304
85% of nominal voltage	-0.00002665	-0.00002777			1850.350027	1909.349972	Pass	-0.0146
115% of nominal voltage	-0.00004564	-0.00001784			1850.350046	1909.349982	Pass	-0.0245
Nominal voltage	-0.00003391	-0.00005174			1850.350034	1909.349948	Pass	-0.0272

Note: Nominal voltage= 3.6V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

End of Test Report