

LTE Band 5, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 20415 (825.5 MHz)		CH 20635 (847.5 MHz)		Limit (ppm)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	825.499997	-0.004	847.500004	0.005	±2.5	Pass
3.8	825.499999	-0.001	847.499999	-0.001		Pass
3.5	825.500001	0.001	847.499996	-0.005		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 20415 (825.5 MHz)		CH 20635 (847.5 MHz)		Limit (ppm)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	825.500001	0.001	847.500002	0.002	±2.5	Pass
-20	825.500002	0.002	847.499998	-0.002		Pass
-10	825.500001	0.001	847.499998	-0.002		Pass
0	825.499998	-0.002	847.499996	-0.005		Pass
10	825.499997	-0.004	847.500003	0.004		Pass
20	825.499997	-0.004	847.499998	-0.002		Pass
30	825.499997	-0.004	847.500004	0.005		Pass
40	825.499997	-0.004	847.499998	-0.002		Pass
50	825.500004	0.005	847.499998	-0.002		Pass
55	825.500002	0.002	847.500004	0.005		Pass

LTE Band 5, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 20425 (826.5 MHz)		CH 20625 (846.5 MHz)		Limit (ppm)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	826.500004	0.005	846.499997	-0.004	±2.5	Pass
3.8	826.500004	0.005	846.500004	0.005		Pass
3.5	826.499998	-0.002	846.499997	-0.004		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 20425 (826.5 MHz)		CH 20625 (846.5 MHz)		Limit (ppm)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	826.500003	0.004	846.500002	0.002	±2.5	Pass
-20	826.499996	-0.005	846.499997	-0.004		Pass
-10	826.499996	-0.005	846.499999	-0.001		Pass
0	826.499998	-0.002	846.500004	0.005		Pass
10	826.500004	0.005	846.500001	0.001		Pass
20	826.500004	0.005	846.499999	-0.001		Pass
30	826.499996	-0.005	846.500004	0.005		Pass
40	826.499996	-0.005	846.500004	0.005		Pass
50	826.499996	-0.005	846.500004	0.005		Pass
55	826.500002	0.002	846.500004	0.005		Pass

LTE Band 5, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 20450 (829 MHz)		CH 20600 (844 MHz)		Limit (ppm)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	828.999997	-0.004	843.999998	-0.002	±2.5	Pass
3.8	828.999999	-0.001	843.999997	-0.004		Pass
3.5	829.000002	0.002	843.999998	-0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 20450 (829 MHz)		CH 20600 (844 MHz)		Limit (ppm)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	829.000001	0.001	843.999997	-0.004	±2.5	Pass
-20	828.999997	-0.004	844.000001	0.001		Pass
-10	829.000001	0.001	843.999999	-0.001		Pass
0	829.000001	0.001	844.000004	0.005		Pass
10	829.000002	0.002	843.999996	-0.005		Pass
20	829.000001	0.001	844.000003	0.004		Pass
30	829.000002	0.002	843.999997	-0.004		Pass
40	828.999999	-0.001	844.000003	0.004		Pass
50	828.999998	-0.002	843.999996	-0.005		Pass
55	829.000004	0.005	843.999998	-0.002		Pass

7.8.4 LTE Band 7

LTE Band 7, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 20775 (2502.5 MHz)		CH 21425 (2567.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	2502.500003	0.001	2567.500003	0.001	2500 ~ 2570	Pass
3.8	2502.499996	-0.002	2567.500001	0.000		Pass
3.5	2502.499997	-0.001	2567.499997	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 20775 (2502.5 MHz)		CH 21425 (2567.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	2502.499997	-0.001	2567.499998	-0.001	2500 ~ 2570	Pass
-20	2502.500001	0.000	2567.499997	-0.001		Pass
-10	2502.499997	-0.001	2567.499998	-0.001		Pass
0	2502.499998	-0.001	2567.499996	-0.002		Pass
10	2502.499996	-0.002	2567.499996	-0.002		Pass
20	2502.500001	0.000	2567.499996	-0.002		Pass
30	2502.500002	0.001	2567.499999	0.000		Pass
40	2502.500002	0.001	2567.500003	0.001		Pass
50	2502.499996	-0.002	2567.500002	0.001		Pass
55	2502.499997	-0.001	2567.499999	0.000		Pass

LTE Band 7, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 20800 (2505 MHz)		CH 21400 (2565 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	2504.999996	-0.002	2564.999996	-0.002	2500 ~ 2570	Pass
3.8	2505.000002	0.001	2564.999999	0.000		Pass
3.5	2504.999996	-0.002	2564.999996	-0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 20800 (2505 MHz)		CH 21400 (2565 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	2504.999997	-0.001	2564.999999	0.000	2500 ~ 2570	Pass
-20	2504.999999	0.000	2564.999996	-0.002		Pass
-10	2505.000001	0.000	2565.000003	0.001		Pass
0	2505.000001	0.000	2565.000004	0.002		Pass
10	2504.999998	-0.001	2565.000004	0.002		Pass
20	2505.000003	0.001	2564.999997	-0.001		Pass
30	2505.000004	0.002	2564.999998	-0.001		Pass
40	2504.999999	0.000	2565.000004	0.002		Pass
50	2504.999999	0.000	2564.999997	-0.001		Pass
55	2504.999996	-0.002	2565.000004	0.002		Pass

LTE Band 7, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 20825 (2507.5 MHz)		CH 21375 (2562.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	2507.499999	0.000	2562.499999	0.000	2500 ~ 2570	Pass
3.8	2507.499996	-0.002	2562.500004	0.002		Pass
3.5	2507.500002	0.001	2562.499996	-0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 20825 (2507.5 MHz)		CH 21375 (2562.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	2507.500002	0.001	2562.500002	0.001	2500 ~ 2570	Pass
-20	2507.500003	0.001	2562.499999	0.000		Pass
-10	2507.500004	0.002	2562.500001	0.000		Pass
0	2507.500001	0.000	2562.499996	-0.002		Pass
10	2507.499996	-0.002	2562.499997	-0.001		Pass
20	2507.499996	-0.002	2562.500003	0.001		Pass
30	2507.499998	-0.001	2562.499999	0.000		Pass
40	2507.499996	-0.002	2562.500001	0.000		Pass
50	2507.499997	-0.001	2562.499999	0.000		Pass
55	2507.499999	0.000	2562.499998	-0.001		Pass

LTE Band 7, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 20850 (2510 MHz)		CH 21350 (2560 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	2509.999997	-0.001	2559.999996	-0.002	2500 ~ 2570	Pass
3.8	2509.999996	-0.002	2559.999999	0.000		Pass
3.5	2510.000003	0.001	2560.000001	0.000		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 20850 (2510 MHz)		CH 21350 (2560 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	2509.999997	-0.001	2560.000004	0.002	2500 ~ 2570	Pass
-20	2510.000002	0.001	2560.000002	0.001		Pass
-10	2509.999997	-0.001	2560.000004	0.002		Pass
0	2510.000001	0.000	2560.000004	0.002		Pass
10	2509.999998	-0.001	2559.999996	-0.002		Pass
20	2510.000004	0.002	2559.999998	-0.001		Pass
30	2509.999997	-0.001	2559.999998	-0.001		Pass
40	2510.000002	0.001	2559.999996	-0.002		Pass
50	2509.999997	-0.001	2560.000003	0.001		Pass
55	2510.000002	0.001	2559.999999	0.000		Pass

7.8.5 LTE Band 12

LTE Band 12, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 23017 (699.7 MHz)		CH 23173 (715.3 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	699.699996	-0.006	715.300004	0.006	698 ~ 716	Pass
3.8	699.700002	0.003	715.300001	0.001		Pass
3.5	699.699996	-0.006	715.300003	0.004		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 23017 (699.7 MHz)		CH 23173 (715.3 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	699.700004	0.006	715.299998	-0.003	698 ~ 716	Pass
-20	699.700001	0.001	715.299999	-0.001		Pass
-10	699.699998	-0.003	715.300001	0.001		Pass
0	699.699999	-0.001	715.300004	0.006		Pass
10	699.699999	-0.001	715.300002	0.003		Pass
20	699.699997	-0.004	715.300003	0.004		Pass
30	699.699996	-0.006	715.300004	0.006		Pass
40	699.700001	0.001	715.300003	0.004		Pass
50	699.700003	0.004	715.299996	-0.006		Pass
55	699.700001	0.001	715.299996	-0.006		Pass

LTE Band 12, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 23025 (700.5 MHz)		CH 23165 (714.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	700.500003	0.004	714.499999	-0.001	698 ~ 716	Pass
3.8	700.500004	0.006	714.500004	0.006		Pass
3.5	700.500004	0.006	714.500003	0.004		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 23025 (700.5 MHz)		CH 23165 (714.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	700.499998	-0.003	714.499997	-0.004	698 ~ 716	Pass
-20	700.500004	0.006	714.499997	-0.004		Pass
-10	700.500003	0.004	714.499999	-0.001		Pass
0	700.499997	-0.004	714.500001	0.001		Pass
10	700.499998	-0.003	714.499998	-0.003		Pass
20	700.499998	-0.003	714.500003	0.004		Pass
30	700.500003	0.004	714.499999	-0.001		Pass
40	700.499997	-0.004	714.499996	-0.006		Pass
50	700.500002	0.003	714.500001	0.001		Pass
55	700.499996	-0.006	714.499998	-0.003		Pass

LTE Band 12, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 23035 (701.5 MHz)		CH 23155 (713.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	701.499997	-0.004	713.500003	0.004	698 ~ 716	Pass
3.8	701.500003	0.004	713.499999	-0.001		Pass
3.5	701.499998	-0.003	713.499997	-0.004		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 23035 (701.5 MHz)		CH 23155 (713.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	701.500002	0.003	713.499998	-0.003	698 ~ 716	Pass
-20	701.500001	0.001	713.500003	0.004		Pass
-10	701.499997	-0.004	713.500002	0.003		Pass
0	701.499998	-0.003	713.500002	0.003		Pass
10	701.499998	-0.003	713.499998	-0.003		Pass
20	701.499997	-0.004	713.500002	0.003		Pass
30	701.499998	-0.003	713.499998	-0.003		Pass
40	701.500001	0.001	713.499998	-0.003		Pass
50	701.500003	0.004	713.500003	0.004		Pass
55	701.499997	-0.004	713.500004	0.006		Pass

LTE Band 12, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 23060 (704 MHz)		CH 23130 (711 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	703.999999	-0.001	711.000002	0.003	698 ~ 716	Pass
3.8	704.000003	0.004	710.999998	-0.003		Pass
3.5	704.000001	0.001	710.999999	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 23060 (704 MHz)		CH 23130 (711 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	703.999996	-0.006	711.000002	0.003	698 ~ 716	Pass
-20	703.999997	-0.004	711.000004	0.006		Pass
-10	704.000001	0.001	711.000004	0.006		Pass
0	703.999998	-0.003	710.999997	-0.004		Pass
10	703.999999	-0.001	711.000001	0.001		Pass
20	703.999999	-0.001	711.000002	0.003		Pass
30	704.000004	0.006	711.000003	0.004		Pass
40	704.000001	0.001	711.000004	0.006		Pass
50	704.000004	0.006	710.999999	-0.001		Pass
55	704.000003	0.004	711.000001	0.001		Pass

7.8.6 LTE Band 13

LTE Band 13, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 23205 (779.5 MHz)		CH 23255 (784.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	779.499998	-0.003	784.499997	-0.004	777 ~ 787	Pass
3.8	779.500003	0.004	784.500003	0.004		Pass
3.5	779.499998	-0.003	784.499998	-0.003		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 23205 (779.5 MHz)		CH 23255 (784.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	779.499999	-0.001	784.499997	-0.004	777 ~ 787	Pass
-20	779.500002	0.003	784.500004	0.005		Pass
-10	779.499999	-0.001	784.500004	0.005		Pass
0	779.499997	-0.004	784.500001	0.001		Pass
10	779.500002	0.003	784.500001	0.001		Pass
20	779.499996	-0.005	784.500004	0.005		Pass
30	779.499999	-0.001	784.500002	0.003		Pass
40	779.500001	0.001	784.499997	-0.004		Pass
50	779.499998	-0.003	784.499999	-0.001		Pass
55	779.500001	0.001	784.500004	0.005		Pass

LTE Band 13, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23230 (782 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)		
4.4	782.000004	0.005	777 ~ 787	Pass
3.8	782.000002	0.003		Pass
3.5	781.999997	-0.004		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Voltage (Vdc)	CH 23230 (782 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)		
-30	781.999999	-0.001	777 ~ 787	Pass
-20	781.999999	-0.001		Pass
-10	781.999998	-0.003		Pass
0	781.999999	-0.001		Pass
10	781.999996	-0.005		Pass
20	782.000002	0.003		Pass
30	781.999998	-0.003		Pass
40	782.000004	0.005		Pass
50	781.999996	-0.005		Pass
55	781.999998	-0.003		Pass

7.8.7 LTE Band 14

LTE Band 14, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 23305 (790.5 MHz)		CH 23355 (795.5 MHz)		Limit (ppm)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	790.499998	-0.003	795.499999	-0.001	±1.25	Pass
3.8	790.500002	0.003	795.500003	0.004		Pass
3.5	790.499996	-0.005	795.500002	0.003		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 23305 (790.5 MHz)		CH 23355 (795.5 MHz)		Limit (ppm)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	790.499999	-0.001	795.499999	-0.001	±1.25	Pass
-20	790.499999	-0.001	795.500002	0.003		Pass
-10	790.499998	-0.003	795.500002	0.003		Pass
0	790.500001	0.001	795.499997	-0.004		Pass
10	790.500003	0.004	795.499997	-0.004		Pass
20	790.500001	0.001	795.499999	-0.001		Pass
30	790.500004	0.005	795.500003	0.004		Pass
40	790.500003	0.004	795.499999	-0.001		Pass
50	790.500004	0.005	795.499997	-0.004		Pass
55	790.500004	0.005	795.500003	0.004		Pass

LTE Band 14, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23330 (793 MHz)		Limit (ppm)	Test result
	Frequency (MHz)	Frequency Error (ppm)		
4.4	793.000004	0.005	±1.25	Pass
3.8	793.000001	0.001		Pass
3.5	792.999999	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Voltage (Vdc)	CH 23330 (793 MHz)		Limit (ppm)	Test result
	Frequency (MHz)	Frequency Error (ppm)		
-30	792.999996	-0.005	±1.25	Pass
-20	793.000001	0.001		Pass
-10	792.999997	-0.004		Pass
0	792.999997	-0.004		Pass
10	793.000001	0.001		Pass
20	792.999999	-0.001		Pass
30	793.000004	0.005		Pass
40	792.999996	-0.005		Pass
50	792.999998	-0.003		Pass
55	793.000003	0.004		Pass

7.8.8 LTE Band 17

LTE Band 17, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 23755 (706.5 MHz)		CH 23825 (713.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	706.500001	0.001	713.499998	-0.003	704 ~ 716	Pass
3.8	706.499999	-0.001	713.499999	-0.001		Pass
3.5	706.499998	-0.003	713.499997	-0.004		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 23755 (706.5 MHz)		CH 23825 (713.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	706.499997	-0.004	713.499999	-0.001	704 ~ 716	Pass
-20	706.499997	-0.004	713.499996	-0.006		Pass
-10	706.499998	-0.003	713.499999	-0.001		Pass
0	706.499998	-0.003	713.500001	0.001		Pass
10	706.499997	-0.004	713.500004	0.006		Pass
20	706.500001	0.001	713.500004	0.006		Pass
30	706.499996	-0.006	713.499998	-0.003		Pass
40	706.500004	0.006	713.499998	-0.003		Pass
50	706.499999	-0.001	713.500004	0.006		Pass
55	706.499996	-0.006	713.499997	-0.004		Pass

LTE Band 17, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 23780 (709 MHz)		CH 23800 (711 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	709.000003	0.004	710.999999	-0.001	704 ~ 716	Pass
3.8	708.999997	-0.004	710.999996	-0.006		Pass
3.5	709.000004	0.006	710.999998	-0.003		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 23780 (709 MHz)		CH 23800 (711 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	708.999999	-0.001	710.999997	-0.004	704 ~ 716	Pass
-20	709.000002	0.003	710.999999	-0.001		Pass
-10	708.999996	-0.006	711.000001	0.001		Pass
0	709.000004	0.006	710.999999	-0.001		Pass
10	709.000004	0.006	711.000004	0.006		Pass
20	709.000003	0.004	710.999998	-0.003		Pass
30	708.999997	-0.004	710.999998	-0.003		Pass
40	708.999999	-0.001	710.999996	-0.006		Pass
50	709.000002	0.003	711.000001	0.001		Pass
55	709.000001	0.001	710.999999	-0.001		Pass

7.8.9 LTE Band 25

LTE Band 25, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26047 (1850.7 MHz)		CH 26683 (1914.3 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1850.699997	-0.002	1914.300001	0.001	1850 ~ 1915	Pass
3.8	1850.699996	-0.002	1914.300001	0.001		Pass
3.5	1850.700003	0.002	1914.299996	-0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26047 (1850.7 MHz)		CH 26683 (1914.3 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1850.699996	-0.002	1914.299998	-0.001	1850 ~ 1915	Pass
-20	1850.699996	-0.002	1914.299998	-0.001		Pass
-10	1850.699998	-0.001	1914.300002	0.001		Pass
0	1850.699996	-0.002	1914.300001	0.001		Pass
10	1850.700004	0.002	1914.299998	-0.001		Pass
20	1850.699998	-0.001	1914.299997	-0.002		Pass
30	1850.699996	-0.002	1914.300003	0.002		Pass
40	1850.700001	0.001	1914.299998	-0.001		Pass
50	1850.699996	-0.002	1914.300004	0.002		Pass
55	1850.699999	-0.001	1914.300002	0.001		Pass

LTE Band 25, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26055 (1851.5 MHz)		CH 26675 (1913.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1851.499997	-0.002	1913.499996	-0.002	1850 ~ 1915	Pass
3.8	1851.499997	-0.002	1913.499996	-0.002		Pass
3.5	1851.500002	0.001	1913.499998	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26055 (1851.5 MHz)		CH 26675 (1913.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1851.500002	0.001	1913.500003	0.002	1850 ~ 1915	Pass
-20	1851.500003	0.002	1913.499998	-0.001		Pass
-10	1851.499999	-0.001	1913.499999	-0.001		Pass
0	1851.499998	-0.001	1913.499996	-0.002		Pass
10	1851.500004	0.002	1913.499997	-0.002		Pass
20	1851.500003	0.002	1913.499999	-0.001		Pass
30	1851.500002	0.001	1913.500002	0.001		Pass
40	1851.499996	-0.002	1913.500004	0.002		Pass
50	1851.500004	0.002	1913.499996	-0.002		Pass
55	1851.499996	-0.002	1913.500003	0.002		Pass

LTE Band 25, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26065 (1852.5 MHz)		CH 26665 (1912.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1852.500002	0.001	1912.499996	-0.002	1850 ~ 1915	Pass
3.8	1852.499996	-0.002	1912.500001	0.001		Pass
3.5	1852.500003	0.002	1912.500003	0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26065 (1852.5 MHz)		CH 26665 (1912.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1852.500004	0.002	1912.500004	0.002	1850 ~ 1915	Pass
-20	1852.500001	0.001	1912.499998	-0.001		Pass
-10	1852.499999	-0.001	1912.500001	0.001		Pass
0	1852.499997	-0.002	1912.500003	0.002		Pass
10	1852.500002	0.001	1912.499997	-0.002		Pass
20	1852.499996	-0.002	1912.499999	-0.001		Pass
30	1852.500001	0.001	1912.500002	0.001		Pass
40	1852.500002	0.001	1912.500001	0.001		Pass
50	1852.500004	0.002	1912.499997	-0.002		Pass
55	1852.500002	0.001	1912.499999	-0.001		Pass

LTE Band 25, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26090 (1855 MHz)		CH 26640 (1910 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1855.000004	0.002	1910.000001	0.001	1850 ~ 1915	Pass
3.8	1854.999997	-0.002	1909.999996	-0.002		Pass
3.5	1855.000001	0.001	1910.000004	0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26090 (1855 MHz)		CH 26640 (1910 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1855.000003	0.002	1910.000002	0.001	1850 ~ 1915	Pass
-20	1854.999998	-0.001	1909.999999	-0.001		Pass
-10	1854.999999	-0.001	1909.999997	-0.002		Pass
0	1854.999998	-0.001	1910.000001	0.001		Pass
10	1855.000003	0.002	1910.000004	0.002		Pass
20	1855.000002	0.001	1910.000004	0.002		Pass
30	1855.000004	0.002	1909.999996	-0.002		Pass
40	1854.999997	-0.002	1910.000001	0.001		Pass
50	1855.000003	0.002	1910.000003	0.002		Pass
55	1855.000001	0.001	1910.000001	0.001		Pass

LTE Band 25, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26115 (1857.5MHz)		CH 26615 (1907.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1857.500002	0.001	1907.500001	0.001	1850 ~ 1915	Pass
3.8	1857.500003	0.002	1907.500003	0.002		Pass
3.5	1857.499998	-0.001	1907.499998	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26115 (1857.5MHz)		CH 26615 (1907.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1857.499997	-0.002	1907.500002	0.001	1850 ~ 1915	Pass
-20	1857.500001	0.001	1907.499998	-0.001		Pass
-10	1857.500001	0.001	1907.499999	-0.001		Pass
0	1857.500003	0.002	1907.499997	-0.002		Pass
10	1857.500002	0.001	1907.500001	0.001		Pass
20	1857.499999	-0.001	1907.499999	-0.001		Pass
30	1857.499998	-0.001	1907.499999	-0.001		Pass
40	1857.500002	0.001	1907.500003	0.002		Pass
50	1857.500004	0.002	1907.499996	-0.002		Pass
55	1857.500001	0.001	1907.500003	0.002		Pass

LTE Band 25, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26140 (1860 MHz)		CH 26590 (1905 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1859.999999	-0.001	1904.999997	-0.002	1850 ~ 1915	Pass
3.8	1860.000004	0.002	1905.000003	0.002		Pass
3.5	1860.000004	0.002	1904.999998	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26140 (1860 MHz)		CH 26590 (1905 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1860.000004	0.002	1905.000003	0.002	1850 ~ 1915	Pass
-20	1860.000001	0.001	1905.000004	0.002		Pass
-10	1860.000003	0.002	1904.999999	-0.001		Pass
0	1859.999998	-0.001	1904.999996	-0.002		Pass
10	1859.999998	-0.001	1905.000004	0.002		Pass
20	1860.000001	0.001	1905.000004	0.002		Pass
30	1859.999998	-0.001	1904.999996	-0.002		Pass
40	1860.000004	0.002	1904.999998	-0.001		Pass
50	1860.000004	0.002	1904.999997	-0.002		Pass
55	1860.000001	0.001	1905.000004	0.002		Pass

7.8.10 LTE Band 26 (814 MHz ~ 824 MHz)

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26697 (814.7 MHz)		CH 26783 (823.3 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	814.699999	-0.001	823.299996	-0.005	814 ~ 824	Pass
3.8	814.700001	0.001	823.299999	-0.001		Pass
3.5	814.699998	-0.002	823.299997	-0.004		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26697 (814.7 MHz)		CH 26783 (823.3 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	814.699996	-0.005	823.300004	0.005	814 ~ 824	Pass
-20	814.700003	0.004	823.299999	-0.001		Pass
-10	814.700002	0.002	823.300001	0.001		Pass
0	814.700002	0.002	823.300003	0.004		Pass
10	814.700002	0.002	823.300003	0.004		Pass
20	814.700004	0.005	823.300004	0.005		Pass
30	814.700004	0.005	823.300001	0.001		Pass
40	814.699997	-0.004	823.300004	0.005		Pass
50	814.699998	-0.002	823.300004	0.005		Pass
55	814.699997	-0.004	823.299999	-0.001		Pass

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26705 (815.5 MHz)		CH 26775 (822.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	815.499999	-0.001	822.499997	-0.004	814 ~ 824	Pass
3.8	815.499997	-0.004	822.499996	-0.005		Pass
3.5	815.500003	0.004	822.500001	0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26705 (815.5 MHz)		CH 26775 (822.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	815.499996	-0.005	822.499997	-0.004	814 ~ 824	Pass
-20	815.500004	0.005	822.500004	0.005		Pass
-10	815.499997	-0.004	822.499999	-0.001		Pass
0	815.500001	0.001	822.500001	0.001		Pass
10	815.500001	0.001	822.500004	0.005		Pass
20	815.499999	-0.001	822.499997	-0.004		Pass
30	815.500001	0.001	822.500003	0.004		Pass
40	815.499999	-0.001	822.500003	0.004		Pass
50	815.499999	-0.001	822.500002	0.002		Pass
55	815.499999	-0.001	822.500002	0.002		Pass

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26715 (816.5 MHz)		CH 26765 (821.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	816.499996	-0.005	821.500002	0.002	814 ~ 824	Pass
3.8	816.500004	0.005	821.500001	0.001		Pass
3.5	816.499999	-0.001	821.499996	-0.005		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26715 (816.5 MHz)		CH 26765 (821.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	816.499999	-0.001	821.499997	-0.004	814 ~ 824	Pass
-20	816.499999	-0.001	821.500001	0.001		Pass
-10	816.500003	0.004	821.500003	0.004		Pass
0	816.500002	0.002	821.499996	-0.005		Pass
10	816.499998	-0.002	821.499999	-0.001		Pass
20	816.499996	-0.005	821.500003	0.004		Pass
30	816.499999	-0.001	821.499996	-0.005		Pass
40	816.499998	-0.002	821.500003	0.004		Pass
50	816.499998	-0.002	821.499996	-0.005		Pass
55	816.499999	-0.001	821.500001	0.001		Pass

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26740 (819 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)		
4.4	818.999998	-0.002	814 ~ 824	Pass
3.8	819.000002	0.002		Pass
3.5	818.999997	-0.004		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Voltage (Vdc)	CH 26740 (819 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)		
-30	818.999998	-0.002	814 ~ 824	Pass
-20	819.000004	0.005		Pass
-10	819.000004	0.005		Pass
0	818.999998	-0.002		Pass
10	818.999997	-0.004		Pass
20	818.999998	-0.002		Pass
30	819.000004	0.005		Pass
40	818.999997	-0.004		Pass
50	818.999998	-0.002		Pass
55	818.999997	-0.004		Pass

7.8.11 LTE Band 26 (824 MHz ~ 849 MHz)

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26797 (824.7 MHz)		CH 27033 (848.3 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	824.699996	-0.005	848.300002	0.002	824 ~ 849	Pass
3.8	824.699998	-0.002	848.300002	0.002		Pass
3.5	824.699999	-0.001	848.300001	0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26797 (824.7 MHz)		CH 27033 (848.3 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	824.699997	-0.004	848.299997	-0.004	824 ~ 849	Pass
-20	824.700002	0.002	848.299996	-0.005		Pass
-10	824.700003	0.004	848.300001	0.001		Pass
0	824.699998	-0.002	848.299996	-0.005		Pass
10	824.700004	0.005	848.300002	0.002		Pass
20	824.700001	0.001	848.300001	0.001		Pass
30	824.700001	0.001	848.300002	0.002		Pass
40	824.699998	-0.002	848.300004	0.005		Pass
50	824.700003	0.004	848.300003	0.004		Pass
55	824.700003	0.004	848.300001	0.001		Pass

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26805 (825.5 MHz)		CH 27025 (847.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	825.500002	0.002	847.500001	0.001	824 ~ 849	Pass
3.8	825.499997	-0.004	847.499998	-0.002		Pass
3.5	825.499999	-0.001	847.499998	-0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26805 (825.5 MHz)		CH 27025 (847.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	825.500004	0.005	847.500001	0.001	824 ~ 849	Pass
-20	825.499996	-0.005	847.499997	-0.004		Pass
-10	825.500001	0.001	847.500002	0.002		Pass
0	825.499997	-0.004	847.500001	0.001		Pass
10	825.500001	0.001	847.499999	-0.001		Pass
20	825.499998	-0.002	847.500003	0.004		Pass
30	825.499999	-0.001	847.499996	-0.005		Pass
40	825.500004	0.005	847.500003	0.004		Pass
50	825.499998	-0.002	847.500001	0.001		Pass
55	825.500001	0.001	847.500001	0.001		Pass

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26815 (826.5 MHz)		CH 27015 (846.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	826.499999	-0.001	846.500002	0.002	824 ~ 849	Pass
3.8	826.499996	-0.005	846.500001	0.001		Pass
3.5	826.500002	0.002	846.500002	0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26815 (826.5 MHz)		CH 27015 (846.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	826.499998	-0.002	846.499999	-0.001	824 ~ 849	Pass
-20	826.500001	0.001	846.499997	-0.004		Pass
-10	826.500001	0.001	846.500001	0.001		Pass
0	826.499998	-0.002	846.499996	-0.005		Pass
10	826.499996	-0.005	846.500003	0.004		Pass
20	826.500004	0.005	846.499996	-0.005		Pass
30	826.500001	0.001	846.500004	0.005		Pass
40	826.499999	-0.001	846.500003	0.004		Pass
50	826.499998	-0.002	846.499999	-0.001		Pass
55	826.499998	-0.002	846.500001	0.001		Pass

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26840 (829 MHz)		CH 26990 (844 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	829.000002	0.002	843.999999	-0.001	824 ~ 849	Pass
3.8	828.999998	-0.002	844.000004	0.005		Pass
3.5	828.999996	-0.005	843.999999	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26840 (829 MHz)		CH 26990 (844 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	828.999998	-0.002	844.000001	0.001	824 ~ 849	Pass
-20	828.999998	-0.002	843.999998	-0.002		Pass
-10	828.999999	-0.001	844.000002	0.002		Pass
0	829.000004	0.005	843.999999	-0.001		Pass
10	828.999999	-0.001	844.000002	0.002		Pass
20	829.000001	0.001	844.000003	0.004		Pass
30	829.000004	0.005	844.000004	0.005		Pass
40	828.999998	-0.002	844.000001	0.001		Pass
50	829.000002	0.002	844.000001	0.001		Pass
55	829.000002	0.002	844.000001	0.001		Pass

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 26865 (831.5 MHz)		CH 26965 (841.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	831.500001	0.001	841.499998	-0.002	824 ~ 849	Pass
3.8	831.499999	-0.001	841.500002	0.002		Pass
3.5	831.499996	-0.005	841.499999	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 26865 (831.5 MHz)		CH 26965 (841.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	831.499997	-0.004	841.500003	0.004	824 ~ 849	Pass
-20	831.499996	-0.005	841.499999	-0.001		Pass
-10	831.500003	0.004	841.500003	0.004		Pass
0	831.500003	0.004	841.499996	-0.005		Pass
10	831.500002	0.002	841.500003	0.004		Pass
20	831.499999	-0.001	841.499998	-0.002		Pass
30	831.499997	-0.004	841.500002	0.002		Pass
40	831.499996	-0.005	841.499997	-0.004		Pass
50	831.500004	0.005	841.499998	-0.002		Pass
55	831.500004	0.005	841.499998	-0.002		Pass

7.8.12LTE Band 41
LTE Band 41, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 40065 (2537.5 MHz)		CH 41215 (2652.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	2537.500004	0.002	2652.500001	0.000	2535 ~ 2655	Pass
3.8	2537.500001	0.000	2652.500003	0.001		Pass
3.5	2537.500002	0.001	2652.499998	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 40065 (2537.5 MHz)		CH 41215 (2652.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	2537.500001	0.000	2652.500004	0.002	2535 ~ 2655	Pass
-20	2537.499998	-0.001	2652.499998	-0.001		Pass
-10	2537.500002	0.001	2652.500003	0.001		Pass
0	2537.500002	0.001	2652.499997	-0.001		Pass
10	2537.500004	0.002	2652.500002	0.001		Pass
20	2537.499996	-0.002	2652.500003	0.001		Pass
30	2537.500002	0.001	2652.499996	-0.002		Pass
40	2537.499997	-0.001	2652.500003	0.001		Pass
50	2537.500003	0.001	2652.500001	0.000		Pass
55	2537.500003	0.001	2652.499998	-0.001		Pass

LTE Band 41, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 40090 (2540 MHz)		CH 41190 (2650 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	2539.999997	-0.001	2650.000001	0.000	2535 ~ 2655	Pass
3.8	2540.000003	0.001	2650.000002	0.001		Pass
3.5	2539.999998	-0.001	2649.999997	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 40090 (2540 MHz)		CH 41190 (2650 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	2539.999996	-0.002	2650.000003	0.001	2535 ~ 2655	Pass
-20	2540.000004	0.002	2650.000003	0.001		Pass
-10	2540.000001	0.000	2650.000002	0.001		Pass
0	2540.000002	0.001	2649.999998	-0.001		Pass
10	2539.999999	0.000	2649.999997	-0.001		Pass
20	2540.000003	0.001	2649.999999	0.000		Pass
30	2540.000002	0.001	2649.999996	-0.002		Pass
40	2539.999999	0.000	2649.999999	0.000		Pass
50	2540.000001	0.000	2649.999998	-0.001		Pass
55	2539.999999	0.000	2649.999996	-0.002		Pass

LTE Band 41, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 40115 (2542.5 MHz)		CH 41165 (2647.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	2542.500004	0.002	2647.499996	-0.002	2535 ~ 2655	Pass
3.8	2542.499998	-0.001	2647.500004	0.002		Pass
3.5	2542.499997	-0.001	2647.500002	0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 40115 (2542.5 MHz)		CH 41165 (2647.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	2542.499998	-0.001	2647.499999	0.000	2535 ~ 2655	Pass
-20	2542.500004	0.002	2647.500002	0.001		Pass
-10	2542.500002	0.001	2647.499996	-0.002		Pass
0	2542.500004	0.002	2647.499997	-0.001		Pass
10	2542.500003	0.001	2647.500001	0.000		Pass
20	2542.500004	0.002	2647.499997	-0.001		Pass
30	2542.499996	-0.002	2647.500004	0.002		Pass
40	2542.500002	0.001	2647.500002	0.001		Pass
50	2542.500001	0.000	2647.499997	-0.001		Pass
55	2542.500003	0.001	2647.500004	0.002		Pass

LTE Band 41, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 40140 (2545 MHz)		CH 41140 (2645 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	2544.999996	-0.002	2645.000002	0.001	2535 ~ 2655	Pass
3.8	2544.999996	-0.002	2644.999996	-0.002		Pass
3.5	2544.999999	0.000	2645.000002	0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 40140 (2545 MHz)		CH 41140 (2645 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	2545.000003	0.001	2645.000004	0.002	2535 ~ 2655	Pass
-20	2545.000004	0.002	2644.999999	0.000		Pass
-10	2544.999998	-0.001	2645.000003	0.001		Pass
0	2544.999999	0.000	2645.000002	0.001		Pass
10	2545.000003	0.001	2645.000001	0.000		Pass
20	2544.999996	-0.002	2645.000001	0.000		Pass
30	2545.000001	0.000	2644.999996	-0.002		Pass
40	2545.000003	0.001	2645.000002	0.001		Pass
50	2544.999996	-0.002	2645.000001	0.000		Pass
55	2545.000002	0.001	2644.999996	-0.002		Pass

7.8.13LTE Band 66
LTE Band 66, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 131979 (1710.7 MHz)		CH 132665 (1779.3 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1710.699999	-0.001	1779.300001	0.001	1710~1780	Pass
3.8	1710.700004	0.002	1779.299998	-0.001		Pass
3.5	1710.699998	-0.001	1779.300003	0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 131979 (1710.7 MHz)		CH 132665 (1779.3 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1710.700001	0.001	1779.299997	-0.002	1710~1780	Pass
-20	1710.699997	-0.002	1779.300001	0.001		Pass
-10	1710.699996	-0.002	1779.300002	0.001		Pass
0	1710.699996	-0.002	1779.300002	0.001		Pass
10	1710.700004	0.002	1779.300002	0.001		Pass
20	1710.699999	-0.001	1779.299997	-0.002		Pass
30	1710.699998	-0.001	1779.299999	-0.001		Pass
40	1710.700001	0.001	1779.300001	0.001		Pass
50	1710.700003	0.002	1779.299999	-0.001		Pass
55	1710.700003	0.002	1779.300004	0.002		Pass

LTE Band 66, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 131987 (1711.5 MHz)		CH 132657 (1778.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1711.500003	0.002	1778.500002	0.001	1710~1780	Pass
3.8	1711.500004	0.002	1778.499999	-0.001		Pass
3.5	1711.500004	0.002	1778.500001	0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 131987 (1711.5 MHz)		CH 132657 (1778.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1711.499997	-0.002	1778.500002	0.001	1710~1780	Pass
-20	1711.500003	0.002	1778.500001	0.001		Pass
-10	1711.499998	-0.001	1778.499999	-0.001		Pass
0	1711.500001	0.001	1778.499997	-0.002		Pass
10	1711.499997	-0.002	1778.499999	-0.001		Pass
20	1711.500002	0.001	1778.500002	0.001		Pass
30	1711.500001	0.001	1778.500004	0.002		Pass
40	1711.499998	-0.001	1778.499996	-0.002		Pass
50	1711.500003	0.002	1778.499998	-0.001		Pass
55	1711.499998	-0.001	1778.500003	0.002		Pass

LTE Band 66, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 131997 (1712.5 MHz)		CH 132647 (1777.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1712.500003	0.002	1777.499998	-0.001	1710~1780	Pass
3.8	1712.499999	-0.001	1777.499997	-0.002		Pass
3.5	1712.499998	-0.001	1777.499999	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 131997 (1712.5 MHz)		CH 132647 (1777.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1712.500004	0.002	1777.499998	-0.001	1710~1780	Pass
-20	1712.499999	-0.001	1777.500003	0.002		Pass
-10	1712.500004	0.002	1777.500001	0.001		Pass
0	1712.500001	0.001	1777.499998	-0.001		Pass
10	1712.499998	-0.001	1777.500002	0.001		Pass
20	1712.499999	-0.001	1777.499999	-0.001		Pass
30	1712.500001	0.001	1777.500003	0.002		Pass
40	1712.499998	-0.001	1777.499996	-0.002		Pass
50	1712.500003	0.002	1777.499998	-0.001		Pass
55	1712.500002	0.001	1777.499997	-0.002		Pass

LTE Band 66, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 132022 (1715 MHz)		CH 132622 (1775 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1715.000002	0.001	1775.000004	0.002	1710~1780	Pass
3.8	1715.000002	0.001	1775.000002	0.001		Pass
3.5	1714.999996	-0.002	1775.000002	0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 132022 (1715 MHz)		CH 132622 (1775 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1715.000003	0.002	1775.000001	0.001	1710~1780	Pass
-20	1714.999996	-0.002	1774.999998	-0.001		Pass
-10	1715.000003	0.002	1775.000004	0.002		Pass
0	1715.000004	0.002	1775.000001	0.001		Pass
10	1714.999998	-0.001	1774.999996	-0.002		Pass
20	1715.000002	0.001	1774.999998	-0.001		Pass
30	1714.999998	-0.001	1774.999998	-0.001		Pass
40	1715.000001	0.001	1774.999996	-0.002		Pass
50	1714.999999	-0.001	1775.000003	0.002		Pass
55	1714.999997	-0.002	1774.999998	-0.001		Pass

LTE Band 66, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 132047 (1717.5 MHz)		CH 132597 (1772.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1717.500001	0.001	1772.499999	-0.001	1710~1780	Pass
3.8	1717.499996	-0.002	1772.499999	-0.001		Pass
3.5	1717.499997	-0.002	1772.499997	-0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 132047 (1717.5 MHz)		CH 132597 (1772.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1717.500004	0.002	1772.500004	0.002	1710~1780	Pass
-20	1717.500004	0.002	1772.499999	-0.001		Pass
-10	1717.499997	-0.002	1772.499999	-0.001		Pass
0	1717.499999	-0.001	1772.499997	-0.002		Pass
10	1717.499998	-0.001	1772.499996	-0.002		Pass
20	1717.500002	0.001	1772.500004	0.002		Pass
30	1717.500001	0.001	1772.500001	0.001		Pass
40	1717.500002	0.001	1772.500004	0.002		Pass
50	1717.500002	0.001	1772.500003	0.002		Pass
55	1717.499997	-0.002	1772.499999	-0.001		Pass

LTE Band 66, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 132072 (1720 MHz)		CH 132572 (1770 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	1719.999999	-0.001	1769.999999	-0.001	1710~1780	Pass
3.8	1720.000004	0.002	1769.999998	-0.001		Pass
3.5	1720.000003	0.002	1770.000003	0.002		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 132072 (1720 MHz)		CH 132572 (1770 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	1719.999998	-0.001	1769.999996	-0.002	1710~1780	Pass
-20	1719.999999	-0.001	1770.000004	0.002		Pass
-10	1719.999997	-0.002	1770.000001	0.001		Pass
0	1719.999997	-0.002	1769.999997	-0.002		Pass
10	1720.000002	0.001	1769.999998	-0.001		Pass
20	1720.000002	0.001	1770.000003	0.002		Pass
30	1720.000001	0.001	1769.999998	-0.001		Pass
40	1720.000003	0.002	1770.000001	0.001		Pass
50	1720.000002	0.001	1769.999999	-0.001		Pass
55	1720.000001	0.001	1770.000001	0.001		Pass

7.8.14 LTE Band 71

LTE Band 71, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 133147 (665.5 MHz)		CH 133447 (695.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	665.500004	0.006	695.499997	-0.004	663 ~ 698	Pass
3.8	665.500001	0.002	695.499996	-0.006		Pass
3.5	665.499998	-0.003	695.499998	-0.003		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 133147 (665.5 MHz)		CH 133447 (695.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	665.499999	-0.002	695.499996	-0.006	663 ~ 698	Pass
-20	665.499999	-0.002	695.500004	0.006		Pass
-10	665.500002	0.003	695.499997	-0.004		Pass
0	665.499997	-0.005	695.499998	-0.003		Pass
10	665.500002	0.003	695.500001	0.001		Pass
20	665.500002	0.003	695.499999	-0.001		Pass
30	665.500001	0.002	695.499997	-0.004		Pass
40	665.499998	-0.003	695.500001	0.001		Pass
50	665.500003	0.005	695.500003	0.004		Pass
55	665.500004	0.006	695.500001	0.001		Pass

LTE Band 71, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 133172 (668 MHz)		CH 133422 (693 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	667.999997	-0.004	693.000004	0.006	663 ~ 698	Pass
3.8	668.000001	0.001	693.000001	0.001		Pass
3.5	668.000003	0.004	692.999998	-0.003		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 133172 (668 MHz)		CH 133422 (693 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	667.999997	-0.004	693.000001	0.001	663 ~ 698	Pass
-20	668.000004	0.006	693.000002	0.003		Pass
-10	667.999998	-0.003	693.000002	0.003		Pass
0	668.000001	0.001	693.000002	0.003		Pass
10	667.999998	-0.003	692.999996	-0.006		Pass
20	668.000004	0.006	692.999999	-0.001		Pass
30	668.000001	0.001	692.999999	-0.001		Pass
40	668.000002	0.003	693.000004	0.006		Pass
50	667.999997	-0.004	693.000002	0.003		Pass
55	668.000003	0.004	692.999996	-0.006		Pass

LTE Band 71, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 133197 (670.5 MHz)		CH 133397 (690.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	670.499996	-0.006	690.500001	0.001	663 ~ 698	Pass
3.8	670.500003	0.004	690.500001	0.001		Pass
3.5	670.499997	-0.004	690.500004	0.006		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 133197 (670.5 MHz)		CH 133397 (690.5 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	670.500003	0.004	690.499998	-0.003	663 ~ 698	Pass
-20	670.499997	-0.004	690.499997	-0.004		Pass
-10	670.499999	-0.001	690.500002	0.003		Pass
0	670.500003	0.004	690.499998	-0.003		Pass
10	670.500004	0.006	690.499997	-0.004		Pass
20	670.500004	0.006	690.499996	-0.006		Pass
30	670.499998	-0.003	690.499996	-0.006		Pass
40	670.500003	0.004	690.499999	-0.001		Pass
50	670.500004	0.006	690.500004	0.006		Pass
55	670.500003	0.004	690.500003	0.004		Pass

LTE Band 71, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage						
Voltage (Vdc)	CH 133222 (673 MHz)		CH 133372 (688 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
4.4	673.000002	0.003	688.000004	0.006	663 ~ 698	Pass
3.8	672.999999	-0.001	687.999996	-0.006		Pass
3.5	673.000003	0.004	687.999999	-0.001		Pass

Note: The applicant defined the normal working voltage is from 3.5 to 4.4 Vdc.

Frequency Stability Versus Temperature						
Voltage (Vdc)	CH 133222 (673 MHz)		CH 133372 (688 MHz)		Limit (MHz)	Test result
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)		
-30	672.999997	-0.004	688.000004	0.006	663 ~ 698	Pass
-20	673.000002	0.003	688.000004	0.006		Pass
-10	673.000002	0.003	688.000003	0.004		Pass
0	673.000002	0.003	687.999996	-0.006		Pass
10	672.999997	-0.004	687.999999	-0.001		Pass
20	673.000003	0.004	688.000002	0.003		Pass
30	673.000001	0.001	688.000004	0.006		Pass
40	672.999998	-0.003	687.999997	-0.004		Pass
50	673.000003	0.004	688.000002	0.003		Pass
55	673.000002	0.003	687.999999	-0.001		Pass

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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