

Appendix Q - 4G Frequency stability vs. temperature &Frequency stability vs. voltage Compliance

Test Information:

Sample No.:	34GQ-2	Test Date:	2025/06/22~2025/07/17
Test Site:	RF	Test Mode:	Transmitting
Tester:	Usain Ou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.8-25.7	Relative Humidity: (%)	42-56	ATM Pressure: (kPa)	99.6-100.8
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Frequency stability vs. temperature & Frequency stability vs. voltage Compliance

FCC Part 90S

LTE B26_1

Mode	Environment	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
			(Hz)	(ppm)		
15MHz_QPSK_75@0	TN/VN	821.5	1.52	0.002	±2.5	Pass
15MHz_16QAM_75@0		821.5	-4.9	-0.006	±2.5	Pass
15MHz_QPSK_75@0	TN/VH	821.5	-2.37	-0.003	±2.5	Pass
15MHz_16QAM_75@0		821.5	-0.75	-0.001	±2.5	Pass
15MHz_QPSK_75@0	TN/VL	821.5	4.98	0.006	±2.5	Pass
15MHz_16QAM_75@0		821.5	6.28	0.008	±2.5	Pass
15MHz_QPSK_75@0	T1/VN	821.5	-3.71	-0.005	±2.5	Pass
15MHz_16QAM_75@0		821.5	-8.62	-0.010	±2.5	Pass
15MHz_QPSK_75@0	T2/VN	821.5	2.44	0.003	±2.5	Pass
15MHz_16QAM_75@0		821.5	-3.43	-0.004	±2.5	Pass
15MHz_QPSK_75@0	T3/VN	821.5	-4.32	-0.005	±2.5	Pass
15MHz_16QAM_75@0		821.5	5.22	0.006	±2.5	Pass
15MHz_QPSK_75@0	T4/VN	821.5	-4.73	-0.006	±2.5	Pass
15MHz_16QAM_75@0		821.5	-4.15	-0.005	±2.5	Pass
15MHz_QPSK_75@0	T5/VN	821.5	4.39	0.005	±2.5	Pass
15MHz_16QAM_75@0		821.5	-8.33	-0.010	±2.5	Pass
15MHz_QPSK_75@0	T6/VN	821.5	0.74	0.001	±2.5	Pass
15MHz_16QAM_75@0		821.5	-1.33	-0.002	±2.5	Pass
15MHz_QPSK_75@0	T7/VN	821.5	5.46	0.007	±2.5	Pass
15MHz_16QAM_75@0		821.5	-6.50	-0.008	±2.5	Pass
15MHz_QPSK_75@0	T8/VN	821.5	-1.03	-0.001	±2.5	Pass
15MHz_16QAM_75@0		821.5	3.18	0.004	±2.5	Pass

Note:

Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)*10⁶

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

LTE B26_3

Mode	Environment	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
			(Hz)	(ppm)		
15MHz_QPSK_75@0	TN/VN	824	-2.41	-0.003	±2.5	Pass
15MHz_16QAM_75@0		824	-6.50	-0.008	±2.5	Pass
15MHz_QPSK_75@0	TN/VH	824	2.75	0.003	±2.5	Pass
15MHz_16QAM_75@0		824	-8.87	-0.011	±2.5	Pass
15MHz_QPSK_75@0	TN/VL	824	4.67	0.006	±2.5	Pass
15MHz_16QAM_75@0		824	-6.06	-0.007	±2.5	Pass
15MHz_QPSK_75@0	T1/VN	824	9.16	0.011	±2.5	Pass
15MHz_16QAM_75@0		824	-4.94	-0.006	±2.5	Pass
15MHz_QPSK_75@0	T2/VN	824	0.55	0.001	±2.5	Pass
15MHz_16QAM_75@0		824	2.06	0.003	±2.5	Pass
15MHz_QPSK_75@0	T3/VN	824	1.88	0.002	±2.5	Pass
15MHz_16QAM_75@0		824	4.56	0.006	±2.5	Pass
15MHz_QPSK_75@0	T4/VN	824	0.41	0.001	±2.5	Pass
15MHz_16QAM_75@0		824	-5.23	-0.006	±2.5	Pass
15MHz_QPSK_75@0	T5/VN	824	-5.41	-0.007	±2.5	Pass
15MHz_16QAM_75@0		824	7.20	0.009	±2.5	Pass
15MHz_QPSK_75@0	T6/VN	824	2.81	0.003	±2.5	Pass
15MHz_16QAM_75@0		824	2.66	0.003	±2.5	Pass
15MHz_QPSK_75@0	T7/VN	824	-3.78	-0.005	±2.5	Pass
15MHz_16QAM_75@0		824	-7.32	-0.009	±2.5	Pass
15MHz_QPSK_75@0	T8/VN	824	-4.91	-0.006	±2.5	Pass
15MHz_16QAM_75@0		824	-9.26	-0.011	±2.5	Pass

Note:

Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)*10⁶

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

FCC Part 22H

LTE Band 5

Mode	Environment	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
			(Hz)	(ppm)		
10MHz_QPSK_50@0	TN/VN	836.5	-6.6	-0.008	±2.5	Pass
10MHz_16QAM_50@0		836.5	-3.6	-0.004	±2.5	Pass
10MHz_QPSK_50@0	TN/VH	836.5	-3.74	-0.004	±2.5	Pass
10MHz_16QAM_50@0		836.5	-2.28	-0.003	±2.5	Pass
10MHz_QPSK_50@0	TN/VL	836.5	-1.73	-0.002	±2.5	Pass
10MHz_16QAM_50@0		836.5	-0.49	-0.001	±2.5	Pass
10MHz_QPSK_50@0	T1/VN	836.5	0.95	0.001	±2.5	Pass
10MHz_16QAM_50@0		836.5	0.45	0.001	±2.5	Pass
10MHz_QPSK_50@0	T2/VN	836.5	-2.26	-0.003	±2.5	Pass
10MHz_16QAM_50@0		836.5	-1.52	-0.002	±2.5	Pass
10MHz_QPSK_50@0	T3/VN	836.5	-4.20	-0.005	±2.5	Pass
10MHz_16QAM_50@0		836.5	1.09	0.001	±2.5	Pass
10MHz_QPSK_50@0	T4/VN	836.5	5.70	0.007	±2.5	Pass
10MHz_16QAM_50@0		836.5	-7.70	-0.009	±2.5	Pass
10MHz_QPSK_50@0	T5/VN	836.5	4.83	0.006	±2.5	Pass
10MHz_16QAM_50@0		836.5	2.09	0.002	±2.5	Pass
10MHz_QPSK_50@0	T6/VN	836.5	4.77	0.006	±2.5	Pass
10MHz_16QAM_50@0		836.5	-5.14	-0.006	±2.5	Pass
10MHz_QPSK_50@0	T7/VN	836.5	2.99	0.004	±2.5	Pass
10MHz_16QAM_50@0		836.5	-5.56	-0.007	±2.5	Pass
10MHz_QPSK_50@0	T8/VN	836.5	-1.56	-0.002	±2.5	Pass
10MHz_16QAM_50@0		836.5	4.19	0.005	±2.5	Pass

Note:

Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)*10⁶

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

LTE B26_2, TN/VN

Mode	Environment	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
			(Hz)	(ppm)		
15MHz_QPSK_75@0	TN/VN	836.5	-6.9	-0.008	±2.5	Pass
15MHz_16QAM_75@0		836.5	-11.7	-0.014	±2.5	Pass
15MHz_QPSK_75@0	TN/VH	836.5	-1.05	-0.001	±2.5	Pass
15MHz_16QAM_75@0		836.5	2.68	0.003	±2.5	Pass
15MHz_QPSK_75@0	TN/VL	836.5	-7.74	-0.009	±2.5	Pass
15MHz_16QAM_75@0		836.5	5.18	0.006	±2.5	Pass
15MHz_QPSK_75@0	T1/VN	836.5	1.99	0.002	±2.5	Pass
15MHz_16QAM_75@0		836.5	-3.31	-0.004	±2.5	Pass
15MHz_QPSK_75@0	T2/VN	836.5	1.79	0.002	±2.5	Pass
15MHz_16QAM_75@0		836.5	-7.93	-0.009	±2.5	Pass
15MHz_QPSK_75@0	T3/VN	836.5	-3.05	-0.004	±2.5	Pass
15MHz_16QAM_75@0		836.5	-5.92	-0.007	±2.5	Pass
15MHz_QPSK_75@0	T4/VN	836.5	-3.03	-0.004	±2.5	Pass
15MHz_16QAM_75@0		836.5	1.48	0.002	±2.5	Pass
15MHz_QPSK_75@0	T5/VN	836.5	-2.05	-0.002	±2.5	Pass
15MHz_16QAM_75@0		836.5	1.96	0.002	±2.5	Pass
15MHz_QPSK_75@0	T6/VN	836.5	-5.81	-0.007	±2.5	Pass
15MHz_16QAM_75@0		836.5	-3.81	-0.005	±2.5	Pass
15MHz_QPSK_75@0	T7/VN	836.5	-1.04	-0.001	±2.5	Pass
15MHz_16QAM_75@0		836.5	-0.58	-0.001	±2.5	Pass
15MHz_QPSK_75@0	T8/VN	836.5	4.78	0.006	±2.5	Pass
15MHz_16QAM_75@0		836.5	-3.24	-0.004	±2.5	Pass

Note:

Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)*10⁶

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

FCC Part 24E

LTE Band 2, TN/VN

Mode	Environment	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	TN/VN	1851.069	1908.931	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.069	1908.991	1850 ~ 1910	Pass
20MHz_QPSK_100@0	TN/VH	1851.140	1908.892	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.198	1908.806	1850 ~ 1910	Pass
20MHz_QPSK_100@0	TN/VL	1851.059	1908.886	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.131	1908.819	1850 ~ 1910	Pass
20MHz_QPSK_100@0	T1/VN	1851.153	1908.901	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.010	1908.929	1850 ~ 1910	Pass
20MHz_QPSK_100@0	T2/VN	1851.095	1908.949	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.053	1908.920	1850 ~ 1910	Pass
20MHz_QPSK_100@0	T3/VN	1851.171	1908.982	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.184	1908.884	1850 ~ 1910	Pass
20MHz_QPSK_100@0	T4/VN	1851.123	1908.971	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.102	1908.934	1850 ~ 1910	Pass
20MHz_QPSK_100@0	T5/VN	1851.181	1908.927	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.126	1908.823	1850 ~ 1910	Pass
20MHz_QPSK_100@0	T6/VN	1851.178	1908.816	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.048	1908.857	1850 ~ 1910	Pass
20MHz_QPSK_100@0	T7/VN	1851.171	1908.864	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.092	1908.959	1850 ~ 1910	Pass
20MHz_QPSK_100@0	T8/VN	1851.158	1908.974	1850 ~ 1910	Pass
20MHz_16QAM_100@0		1851.024	1908.812	1850 ~ 1910	Pass

Note:

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

FCC Part 27

LTE Band 4, TN/VN

Mode	Environment	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	TN/VN	1711.069	1753.931	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.069	1753.931	1710 ~ 1755	Pass
20MHz_QPSK_100@0	TN/VH	1711.096	1753.917	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.084	1753.952	1710 ~ 1755	Pass
20MHz_QPSK_100@0	TN/VL	1711.189	1753.809	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.034	1753.809	1710 ~ 1755	Pass
20MHz_QPSK_100@0	T1/VN	1711.198	1753.816	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.118	1753.939	1710 ~ 1755	Pass
20MHz_QPSK_100@0	T2/VN	1711.028	1753.931	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.061	1753.866	1710 ~ 1755	Pass
20MHz_QPSK_100@0	T3/VN	1711.159	1753.944	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.133	1753.864	1710 ~ 1755	Pass
20MHz_QPSK_100@0	T4/VN	1711.181	1753.872	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.156	1753.924	1710 ~ 1755	Pass
20MHz_QPSK_100@0	T5/VN	1711.199	1753.853	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.040	1753.888	1710 ~ 1755	Pass
20MHz_QPSK_100@0	T6/VN	1711.034	1753.978	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.172	1753.924	1710 ~ 1755	Pass
20MHz_QPSK_100@0	T7/VN	1711.081	1753.964	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.189	1753.920	1710 ~ 1755	Pass
20MHz_QPSK_100@0	T8/VN	1711.107	1753.960	1710 ~ 1755	Pass
20MHz_16QAM_100@0		1711.075	1753.861	1710 ~ 1755	Pass

Note:

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

LTE Band 7, TN/VN

Mode	Environment	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	TN/VN	2501.069	2568.931	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.069	2568.931	2500 ~ 2570	Pass
20MHz_QPSK_100@0	TN/VH	2501.114	2568.842	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.098	2568.968	2500 ~ 2570	Pass
20MHz_QPSK_100@0	TN/VL	2501.158	2568.949	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.144	2568.967	2500 ~ 2570	Pass
20MHz_QPSK_100@0	T1/VN	2501.129	2568.955	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.111	2568.940	2500 ~ 2570	Pass
20MHz_QPSK_100@0	T2/VN	2501.176	2568.804	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.117	2568.988	2500 ~ 2570	Pass
20MHz_QPSK_100@0	T3/VN	2501.060	2568.951	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.169	2568.889	2500 ~ 2570	Pass
20MHz_QPSK_100@0	T4/VN	2501.154	2568.979	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.008	2568.949	2500 ~ 2570	Pass
20MHz_QPSK_100@0	T5/VN	2501.116	2568.985	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.094	2568.833	2500 ~ 2570	Pass
20MHz_QPSK_100@0	T6/VN	2501.188	2568.887	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.054	2568.941	2500 ~ 2570	Pass
20MHz_QPSK_100@0	T7/VN	2501.121	2568.984	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.196	2568.801	2500 ~ 2570	Pass
20MHz_QPSK_100@0	T8/VN	2501.179	2568.984	2500 ~ 2570	Pass
20MHz_16QAM_100@0		2501.034	2568.983	2500 ~ 2570	Pass

Note:

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

LTE Band 12, TN/VN

Mode	Environment	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	TN/VN	699.534	715.496	699 ~ 716	Pass
10MHz_16QAM_50@0		699.534	715.496	699 ~ 716	Pass
10MHz_QPSK_50@0	TN/VH	699.689	715.486	699 ~ 716	Pass
10MHz_16QAM_50@0		699.574	715.576	699 ~ 716	Pass
10MHz_QPSK_50@0	TN/VL	699.530	715.588	699 ~ 716	Pass
10MHz_16QAM_50@0		699.507	715.525	699 ~ 716	Pass
10MHz_QPSK_50@0	T1/VN	699.576	715.525	699 ~ 716	Pass
10MHz_16QAM_50@0		699.514	715.461	699 ~ 716	Pass
10MHz_QPSK_50@0	T2/VN	699.655	715.546	699 ~ 716	Pass
10MHz_16QAM_50@0		699.520	715.406	699 ~ 716	Pass
10MHz_QPSK_50@0	T3/VN	699.552	715.597	699 ~ 716	Pass
10MHz_16QAM_50@0		699.625	715.571	699 ~ 716	Pass
10MHz_QPSK_50@0	T4/VN	699.603	715.592	699 ~ 716	Pass
10MHz_16QAM_50@0		699.587	715.552	699 ~ 716	Pass
10MHz_QPSK_50@0	T5/VN	699.655	715.549	699 ~ 716	Pass
10MHz_16QAM_50@0		699.671	715.521	699 ~ 716	Pass
10MHz_QPSK_50@0	T6/VN	699.519	715.490	699 ~ 716	Pass
10MHz_16QAM_50@0		699.529	715.438	699 ~ 716	Pass
10MHz_QPSK_50@0	T7/VN	699.675	715.484	699 ~ 716	Pass
10MHz_16QAM_50@0		699.600	715.579	699 ~ 716	Pass
10MHz_QPSK_50@0	T8/VN	699.595	715.493	699 ~ 716	Pass
10MHz_16QAM_50@0		699.649	715.584	699 ~ 716	Pass

Note:

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

LTE Band 17, TN/VN

Mode	Environment	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
10MHz_QPSK_50@0	TN/VN	704.534	715.466	704 ~ 716	Pass
10MHz_16QAM_50@0		704.504	715.496	704 ~ 716	Pass
10MHz_QPSK_50@0	TN/VH	704.541	715.448	704 ~ 716	Pass
10MHz_16QAM_50@0		704.556	715.503	704 ~ 716	Pass
10MHz_QPSK_50@0	TN/VL	704.558	715.448	704 ~ 716	Pass
10MHz_16QAM_50@0		704.621	715.576	704 ~ 716	Pass
10MHz_QPSK_50@0	T1/VN	704.573	715.537	704 ~ 716	Pass
10MHz_16QAM_50@0		704.585	715.404	704 ~ 716	Pass
10MHz_QPSK_50@0	T2/VN	704.650	715.556	704 ~ 716	Pass
10MHz_16QAM_50@0		704.524	715.557	704 ~ 716	Pass
10MHz_QPSK_50@0	T3/VN	704.681	715.495	704 ~ 716	Pass
10MHz_16QAM_50@0		704.644	715.427	704 ~ 716	Pass
10MHz_QPSK_50@0	T4/VN	704.536	715.446	704 ~ 716	Pass
10MHz_16QAM_50@0		704.512	715.531	704 ~ 716	Pass
10MHz_QPSK_50@0	T5/VN	704.537	715.558	704 ~ 716	Pass
10MHz_16QAM_50@0		704.507	715.576	704 ~ 716	Pass
10MHz_QPSK_50@0	T6/VN	704.583	715.578	704 ~ 716	Pass
10MHz_16QAM_50@0		704.507	715.401	704 ~ 716	Pass
10MHz_QPSK_50@0	T7/VN	704.571	715.576	704 ~ 716	Pass
10MHz_16QAM_50@0		704.660	715.421	704 ~ 716	Pass
10MHz_QPSK_50@0	T8/VN	704.531	715.535	704 ~ 716	Pass
10MHz_16QAM_50@0		704.501	715.514	704 ~ 716	Pass

Note:

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

LTE Band 38, TN/VN

Mode	Environment	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	TN/VN	2571.069	2618.931	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.069	2618.991	2570 ~ 2620	Pass
20MHz_QPSK_100@0	TN/VH	2571.098	2618.822	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.074	2618.820	2570 ~ 2620	Pass
20MHz_QPSK_100@0	TN/VL	2571.145	2618.821	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.135	2618.839	2570 ~ 2620	Pass
20MHz_QPSK_100@0	T1/VN	2571.053	2618.890	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.085	2618.946	2570 ~ 2620	Pass
20MHz_QPSK_100@0	T2/VN	2571.027	2618.826	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.178	2618.993	2570 ~ 2620	Pass
20MHz_QPSK_100@0	T3/VN	2571.022	2618.998	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.200	2618.968	2570 ~ 2620	Pass
20MHz_QPSK_100@0	T4/VN	2571.175	2618.874	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.054	2618.947	2570 ~ 2620	Pass
20MHz_QPSK_100@0	T5/VN	2571.128	2618.843	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.099	2618.980	2570 ~ 2620	Pass
20MHz_QPSK_100@0	T6/VN	2571.004	2618.980	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.131	2618.923	2570 ~ 2620	Pass
20MHz_QPSK_100@0	T7/VN	2571.174	2618.990	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.040	2618.806	2570 ~ 2620	Pass
20MHz_QPSK_100@0	T8/VN	2571.111	2618.918	2570 ~ 2620	Pass
20MHz_16QAM_100@0		2571.120	2618.957	2570 ~ 2620	Pass

Note:

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

LTE Band 41, TN/VN

Mode	Environment	F_L (MHz)	F_H (MHz)	Limit (MHz)	Verdict
20MHz_QPSK_100@0	TN/VN	2497.069	2688.991	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.129	2688.991	2496 ~ 2690	Pass
20MHz_QPSK_100@0	TN/VH	2497.007	2688.869	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.123	2688.950	2496 ~ 2690	Pass
20MHz_QPSK_100@0	TN/VL	2497.112	2688.823	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.041	2688.958	2496 ~ 2690	Pass
20MHz_QPSK_100@0	T1/VN	2497.080	2688.807	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.062	2688.956	2496 ~ 2690	Pass
20MHz_QPSK_100@0	T2/VN	2497.093	2688.959	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.053	2688.873	2496 ~ 2690	Pass
20MHz_QPSK_100@0	T3/VN	2497.178	2688.836	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.155	2688.839	2496 ~ 2690	Pass
20MHz_QPSK_100@0	T4/VN	2497.083	2688.925	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.069	2688.901	2496 ~ 2690	Pass
20MHz_QPSK_100@0	T5/VN	2497.065	2688.899	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.146	2688.833	2496 ~ 2690	Pass
20MHz_QPSK_100@0	T6/VN	2497.083	2688.973	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.075	2688.930	2496 ~ 2690	Pass
20MHz_QPSK_100@0	T7/VN	2497.148	2688.822	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.076	2688.809	2496 ~ 2690	Pass
20MHz_QPSK_100@0	T8/VN	2497.132	2688.893	2496 ~ 2690	Pass
20MHz_16QAM_100@0		2497.126	2688.981	2496 ~ 2690	Pass

Note:

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: 3.85V; VL: 3.6V; VH: 4.4V.

***** **END** *****