

Appendix S-4G Frequency stability_error

Test Information:

Sample No.:	2UKG-1	Test Date:	2024/12/30
Test Site:	RF	Test Mode:	Transmitting
Tester:	Leo Lin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	23.8-24.6	Relative Humidity: (%)	36-42	ATM Pressure: (kPa)	101.5
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Frequency stability

B5, TN/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	4.7	0.006	±2.5	Pass
10MHz_Middle_16QAM_50@0	8.7	0.010	±2.5	Pass

B5, T1/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	3.5	0.004	±2.5	Pass
10MHz_Middle_16QAM_50@0	7.6	0.009	±2.5	Pass

B5, T2/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	6.0	0.007	±2.5	Pass
10MHz_Middle_16QAM_50@0	-5.0	-0.006	±2.5	Pass

B5, T3/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	0.8	0.001	±2.5	Pass
10MHz_Middle_16QAM_50@0	9.0	0.011	±2.5	Pass

B5, T4/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-5.2	-0.006	±2.5	Pass
10MHz_Middle_16QAM_50@0	4.5	0.005	±2.5	Pass

B5, T5/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-2.4	-0.003	±2.5	Pass
10MHz_Middle_16QAM_50@0	7.7	0.009	±2.5	Pass

B5, T6/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	5.2	0.006	±2.5	Pass
10MHz_Middle_16QAM_50@0	6.3	0.007	±2.5	Pass

B5, T7/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-5.1	-0.006	±2.5	Pass
10MHz_Middle_16QAM_50@0	6.0	0.007	±2.5	Pass

B5, T8/VN

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	0.3	0.000	±2.5	Pass
10MHz_Middle_16QAM_50@0	5.7	0.007	±2.5	Pass

B5, TN/VH

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	-3.1	-0.004	±2.5	Pass
10MHz_Middle_16QAM_50@0	-5.9	-0.007	±2.5	Pass

B5, TN/VL

Mode	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Verdict
10MHz_Middle_QPSK_50@0	9.0	0.011	±2.5	Pass
10MHz_Middle_16QAM_50@0	-7.3	-0.009	±2.5	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: 3.8V; VL: 3.4V; VH: 4.35V