



Appendix G

Frequency Stability

According to FCC Part 2.1055& Part 24.235



Frequency Error vs. Temperature:

Test Mode	RF Ch.	Volt.	Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
TM 1	M	VN	-30 °C	-11	-0.0059	---	±2.5	Pass
			-20 °C	20	0.01064	---	±2.5	Pass
			-10 °C	16	0.00851	---	±2.5	Pass
			0 °C	22	0.0117	---	±2.5	Pass
			10 °C	-17	-0.009	---	±2.5	Pass
			20 °C	18	0.00957	---	±2.5	Pass
			30 °C	-15	-0.008	---	±2.5	Pass
			40 °C	16	0.00851	---	±2.5	Pass
			50 °C	-16	-0.0085	---	±2.5	Pass
TM 2	M	VN	-30 °C	-15	-0.008	---	±2.5	Pass
			-20 °C	-13	-0.0069	---	±2.5	Pass
			-10 °C	14	0.00745	---	±2.5	Pass
			0 °C	18	0.00957	---	±2.5	Pass
			10 °C	-14	-0.0074	---	±2.5	Pass
			20 °C	-11	-0.0059	---	±2.5	Pass
			30 °C	21	0.01117	---	±2.5	Pass
			40 °C	-12	-0.0064	---	±2.5	Pass
			50 °C	22	0.0117	---	±2.5	Pass
TM 3	M	VN	-30 °C	14	0.00745	---	±2.5	Pass
			-20 °C	-16	-0.0085	---	±2.5	Pass
			-10 °C	-10	-0.0053	---	±2.5	Pass
			0 °C	16	0.00851	---	±2.5	Pass
			10 °C	-16	-0.0085	---	±2.5	Pass
			20 °C	17	0.00904	---	±2.5	Pass
			30 °C	12	0.00638	---	±2.5	Pass
			40 °C	15	0.00798	---	±2.5	Pass
			50 °C	13	0.00691	---	±2.5	Pass



Frequency Error vs. Voltage:

Test Mode	RF Ch.	Temp.	Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
TM 1	M	TN	VL	17	0.00904	---	±2.5	Pass
			VN	19	0.01011	---	±2.5	Pass
			VH	-13	-0.0069	---	±2.5	Pass
TM 2	M	TN	VL	20	0.01064	---	±2.5	Pass
			VN	-12	-0.0064	---	±2.5	Pass
			VH	12	0.00638	---	±2.5	Pass
TM 3	M	TN	VL	16	0.00851	---	±2.5	Pass
			VN	13	0.00691	---	±2.5	Pass
			VH	-18	-0.0096	---	±2.5	Pass

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