



Appendix G

Frequency Stability

According to FCC Part 2.1055 & Part 27.54

According to IC RSS-Gen, §4.7 & RSS-130, §4.3



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
TM1(5M)	M	VN	-30 °C	-10	-0.01408	---	±2.5	Pass
			-20 °C	27	0.03803	---	±2.5	Pass
			-10 °C	-12	-0.01690	---	±2.5	Pass
			0 °C	-10	-0.01408	---	±2.5	Pass
			10 °C	18	0.02535	---	±2.5	Pass
			20 °C	-19	-0.02676	---	±2.5	Pass
			30 °C	13	0.01831	---	±2.5	Pass
			40 °C	11	0.01549	---	±2.5	Pass
TM1(10 M)	M	VN	50 °C	16	0.02254	---	±2.5	Pass
			-30 °C	-15	-0.02113	---	±2.5	Pass
			-20 °C	21	0.02958	---	±2.5	Pass
			-10 °C	-24	-0.03380	---	±2.5	Pass
			0 °C	-20	-0.02817	---	±2.5	Pass
			10 °C	-14	-0.01972	---	±2.5	Pass
			20 °C	-15	-0.02113	---	±2.5	Pass
			30 °C	-8	-0.01127	---	±2.5	Pass
TM2(5M)	M	VN	40 °C	-19	-0.02676	---	±2.5	Pass
			50 °C	7	0.00986	---	±2.5	Pass
			-30 °C	-6	-0.00319	---	±2.5	Pass
			-20 °C	-5	-0.00266	---	±2.5	Pass
			-10 °C	12	0.00638	---	±2.5	Pass
			0 °C	12	0.00638	---	±2.5	Pass
			10 °C	-11	-0.00585	---	±2.5	Pass
			20 °C	14	0.00745	---	±2.5	Pass
TM2(10 M)	M	VN	30 °C	-5	-0.00266	---	±2.5	Pass
			40 °C	13	0.00691	---	±2.5	Pass
			50 °C	6	0.00319	---	±2.5	Pass
			-30 °C	12	0.00638	---	±2.5	Pass
			-20 °C	-6	-0.00319	---	±2.5	Pass
			-10 °C	-16	-0.00851	---	±2.5	Pass
			0 °C	12	0.00638	---	±2.5	Pass
			10 °C	11	0.00585	---	±2.5	Pass
			20 °C	15	0.00798	---	±2.5	Pass
			30 °C	12	0.00638	---	±2.5	Pass
			40 °C	-9	-0.00479	---	±2.5	Pass
			50 °C	11	0.00585	---	±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
TM1(5M)	M	20 °C	VL	14	0.01972	---	±2.5	Pass
			VN	16	0.02254	---	±2.5	Pass
			VH	-24	-0.03380	---	±2.5	Pass
TM1(10 M)	M	20 °C	VL	-10	-0.01408	---	±2.5	Pass
			VN	12	0.01690	---	±2.5	Pass
			VH	-17	-0.02394	---	±2.5	Pass
TM2(5M)	M	20 °C	VL	13	0.00691	---	±2.5	Pass
			VN	9	0.00479	---	±2.5	Pass
			VH	12	0.00638	---	±2.5	Pass
TM2(10 M)	M	20 °C	VL	-7	-0.00372	---	±2.5	Pass
			VN	-12	-0.00638	---	±2.5	Pass
			VH	15	0.00798	---	±2.5	Pass

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