



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	15	0.01918	---	±2.5	Pass
			-20 °C	23	0.02941	---	±2.5	Pass
			-10 °C	14	0.01790	---	±2.5	Pass
			0 °C	15	0.01918	---	±2.5	Pass
			10 °C	11	0.01407	---	±2.5	Pass
			20 °C	8	0.01023	---	±2.5	Pass
			30 °C	-24	-0.03069	---	±2.5	Pass
			40 °C	-18	-0.02302	---	±2.5	Pass
TM1(10 M)	M	VN	50 °C	18	0.02302	---	±2.5	Pass
			-30 °C	12	0.01535	---	±2.5	Pass
			-20 °C	18	0.02302	---	±2.5	Pass
			-10 °C	-12	-0.01535	---	±2.5	Pass
			0 °C	17	0.02174	---	±2.5	Pass
			10 °C	-9	-0.01151	---	±2.5	Pass
			20 °C	21	0.02685	---	±2.5	Pass
			30 °C	-18	-0.02302	---	±2.5	Pass
TM2(5M)	M	VN	40 °C	-25	-0.03197	---	±2.5	Pass
			50 °C	-9	-0.01151	---	±2.5	Pass
			-30 °C	-17	-0.00904	---	±2.5	Pass
			-20 °C	19	0.01011	---	±2.5	Pass
			-10 °C	-16	-0.00851	---	±2.5	Pass
			0 °C	-14	-0.00745	---	±2.5	Pass
			10 °C	21	0.01117	---	±2.5	Pass
			20 °C	-16	-0.00851	---	±2.5	Pass
TM2(10 M)	M	VN	30 °C	-10	-0.00532	---	±2.5	Pass
			40 °C	13	0.00691	---	±2.5	Pass
			50 °C	16	0.00851	---	±2.5	Pass
			-30 °C	-8	-0.00426	---	±2.5	Pass
			-20 °C	-14	-0.00745	---	±2.5	Pass
			-10 °C	20	0.01064	---	±2.5	Pass
			0 °C	-8	-0.00426	---	±2.5	Pass
			10 °C	11	0.00585	---	±2.5	Pass
			20 °C	-13	-0.00691	---	±2.5	Pass
			30 °C	-15	-0.00798	---	±2.5	Pass
			40 °C	20	0.01064	---	±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	10	0.01279	---	±2.5	Pass
			VN	-24	-0.03069	---	±2.5	Pass
			VH	-21	-0.02685	---	±2.5	Pass
TM1(10 M)	M	20 °C	VL	-21	-0.02685	---	±2.5	Pass
			VN	-15	-0.01918	---	±2.5	Pass
			VH	-8	-0.01023	---	±2.5	Pass
TM2(5M)	M	20 °C	VL	15	0.00798	---	±2.5	Pass
			VN	10	0.00532	---	±2.5	Pass
			VH	20	0.01064	---	±2.5	Pass
TM2(10 M)	M	20 °C	VL	-12	-0.00638	---	±2.5	Pass
			VN	-23	-0.01223	---	±2.5	Pass
			VH	14	0.00745	---	±2.5	Pass

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