



Appendix G

Frequency Stability

According to FCC Part 2.1055& Part 22.355



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	-12	-0.01434	---	±2.5	Pass
			-20 °C	-20	-0.02389	---	±2.5	Pass
			-10 °C	-14	-0.01673	---	±2.5	Pass
			0 °C	12	0.01434	---	±2.5	Pass
			10 °C	-18	-0.02151	---	±2.5	Pass
			20 °C	8	0.00956	---	±2.5	Pass
			30 °C	-22	-0.02628	---	±2.5	Pass
			40 °C	12	0.01434	---	±2.5	Pass
TM 2	M	VN	50 °C	-13	-0.01553	---	±2.5	Pass
			-30 °C	23	0.02748	---	±2.5	Pass
			-20 °C	-7	-0.00836	---	±2.5	Pass
			-10 °C	19	0.02270	---	±2.5	Pass
			0 °C	-15	-0.01792	---	±2.5	Pass
			10 °C	-16	-0.01912	---	±2.5	Pass
			20 °C	-23	-0.02748	---	±2.5	Pass
			30 °C	13	0.01553	---	±2.5	Pass
TM 3	M	VN	40 °C	19	0.02270	---	±2.5	Pass
			50 °C	26	0.03106	---	±2.5	Pass
			-30 °C	25	0.02987	---	±2.5	Pass
			-20 °C	-20	-0.02389	---	±2.5	Pass
			-10 °C	-20	-0.02389	---	±2.5	Pass
			0 °C	-12	-0.01434	---	±2.5	Pass
			10 °C	8	0.00956	---	±2.5	Pass
			20 °C	-8	-0.00956	---	±2.5	Pass
			30 °C	-20	-0.02389	---	±2.5	Pass
			40 °C	19	0.02270	---	±2.5	Pass
			50 °C	26	0.03106	---	±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	20 °C	VL	13	0.01553	---	±2.5	Pass
			VN	17	0.02031	---	±2.5	Pass
			VH	12	0.01434	---	±2.5	Pass
TM 2	M	20 °C	VL	-8	-0.00956	---	±2.5	Pass
			VN	23	0.02748	---	±2.5	Pass
			VH	-13	-0.01553	---	±2.5	Pass
TM 3	M	20 °C	VL	21	0.02509	---	±2.5	Pass
			VN	22	0.02628	---	±2.5	Pass
			VH	-14	-0.01673	---	±2.5	Pass

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