



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	0.01435	---	±2.5	Pass
			-20 °C	16	0.01913	---	±2.5	Pass
			-10 °C	-21	-0.02510	---	±2.5	Pass
			0 °C	-16	-0.01913	---	±2.5	Pass
			10 °C	13	0.01554	---	±2.5	Pass
			20 °C	-6	-0.00717	---	±2.5	Pass
			30 °C	-20	-0.02391	---	±2.5	Pass
			40 °C	20	0.02391	---	±2.5	Pass
			50 °C	-15	-0.01793	---	±2.5	Pass
TM 3	M	VN	-30 °C	-8	-0.00956	---	±2.5	Pass
			-20 °C	7	0.00837	---	±2.5	Pass
			-10 °C	-18	-0.02152	---	±2.5	Pass
			0 °C	-8	-0.00956	---	±2.5	Pass
			10 °C	-24	-0.02869	---	±2.5	Pass
			20 °C	25	0.02989	---	±2.5	Pass
			30 °C	-21	-0.02510	---	±2.5	Pass
			40 °C	17	0.02032	---	±2.5	Pass
			50 °C	26	0.03108	---	±2.5	Pass
Subtype 0	M	VN	-30 °C	-25	-0.02989	---	±2.5	Pass
			-20 °C	-23	-0.02749	---	±2.5	Pass
			-10 °C	-8	-0.00956	---	±2.5	Pass
			0 °C	-11	-0.01315	---	±2.5	Pass
			10 °C	28	0.03347	---	±2.5	Pass
			20 °C	-8	-0.00956	---	±2.5	Pass
			30 °C	21	0.02510	---	±2.5	Pass
			40 °C	13	0.01554	---	±2.5	Pass
			50 °C	13	0.01554	---	±2.5	Pass
Subtype 2	M	VN	-30 °C	26	0.03108	---	±2.5	Pass
			-20 °C	11	0.01315	---	±2.5	Pass
			-10 °C	-17	-0.02032	---	±2.5	Pass
			0 °C	-11	-0.01315	---	±2.5	Pass
			10 °C	-10	-0.01195	---	±2.5	Pass
			20 °C	25	0.02989	---	±2.5	Pass
			30 °C	-20	-0.02391	---	±2.5	Pass
			40 °C	-17	-0.02032	---	±2.5	Pass



Test Mode	RF Ch.	Volt.	Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
			50 °C	17	0.02032	---	±2.5	Pass
TM4	M	VN	-30 °C	13	0.01554	---	±2.5	Pass
			-20 °C	11	0.01315	---	±2.5	Pass
			-10 °C	14	0.01674	---	±2.5	Pass
			0 °C	29	0.03467	---	±2.5	Pass
			10 °C	-19	-0.02272	---	±2.5	Pass
			20 °C	16	0.01913	---	±2.5	Pass
			30 °C	13	0.01554	---	±2.5	Pass
			40 °C	28	0.03348	---	±2.5	Pass
			50 °C	-10	-0.01196	---	±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	-19	-0.02271	---	±2.5	Pass
			VN	-17	-0.02032	---	±2.5	Pass
			VH	-16	-0.01913	---	±2.5	Pass
TM 3	M	TN	VL	14	0.01674	---	±2.5	Pass
			VN	22	0.02630	---	±2.5	Pass
			VH	22	0.02630	---	±2.5	Pass
Subtype 0	M	TN	VL	19	0.02271	---	±2.5	Pass
			VN	20	0.02391	---	±2.5	Pass
			VH	9	0.01076	---	±2.5	Pass
Subtype 2	M	TN	VL	-20	-0.02391	---	±2.5	Pass
			VN	12	0.01435	---	±2.5	Pass
			VH	18	0.02152	---	±2.5	Pass
TM4	M	TN	VL	-16	-0.01913	---	±2.5	Pass
			VN	-8	-0.00956	---	±2.5	Pass
			VH	12	0.01435	---	±2.5	Pass

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