Frequency Stability

47 CFR 2.1055 (a)(1)

Test Conditions		Frequency Stability (%)		
		Low Channel	Middle Channel	High Channel
+50 degree C	V min –42VDC	0.00000604	0.00000599	0.00000581
	V nom –48VDC	0.00000604	0.00000588	0.00000518
	V max –56VDC	0.00000588	0.00000546	0.00000578
+40 degree C	V min –42VDC	0.00000507	0.00000500	0.00000502
	V nom –48VDC	0.00000453	0.00000528	0.00000473
	V max –56VDC	0.00000514	0.00000538	0.00000523
+30 degree C	V min –42VDC	0.00000564	0.00000538	0.00000569
	V nom –48VDC	0.00000540	0.00000634	0.00000635
	V max –56VDC	0.00000537	0.00000516	0.00000547
+20 degree C	V min –42VDC	0.00000479	0.00000491	0.00000503
	V nom –48VDC	0.00000552	0.00000370	0.00000479
	V max –56VDC	0.00000449	0.00000385	0.00000515
+10 degree C	V min –42VDC	0.00000670	0.00000621	0.00000673
	V nom –48VDC	0.00000559	0.00000602	0.00000635
	V max –56VDC	0.00000535	0.00000587	0.00000532
0 degree C	V min –42VDC	0.00000358	0.00000315	0.00000332
	V nom –48VDC	0.00000383	0.00000363	0.00000400
	V max –56VDC	0.00000333	0.00000300	0.00000284
-10 degree C	V min –42VDC	0.00000376	0.00000311	0.00000290
	V nom –48VDC	0.00000363	0.00000309	0.00000389
	V max –56VDC	0.00000370	0.00000308	0.00000304
-20 degree C	V min –42VDC	0.00000441	0.00000424	0.00000414
	V nom –48VDC	0.00000390	0.00000382	0.00000401
	V max –56VDC	0.00000467	0.00000377	0.00000363
-30 degree C	V min –42VDC	0.00000506	0.00000487	0.00000499
	V nom –48VDC	0.00000448	0.00000497	0.00000462
	V max –56VDC	0.00000424	0.00000455	0.00000479

Limits: 47 CFR 101.107

Frequency Tolerance, percent	0.001

Frequency Stability (%) = [|(Fc – Fc measured)| / Fc] x 100%

Where Fc = Center Frequency in Hz
Fc measured = Center Frequency in Hz measured with Spectrum Analyzer Frequency Counter with 1 Hz resolution