## Manufacturer's Recommendations for Alternate Dental CBCT QA Program J. Morita: Veraviewepocs Table 6 Requirements for Dental CBCT

Itom	Dequined Test on Dreasdure	Substitute Test on Dresedure	Standard
1	Scon Increment Accuracy	Nona Not Applicable	None Not Applicable
1	Scan Increment Accuracy	None – Not Applicable	Check the centers for the V and V
2	Accuracy	Artifact Tests	planes are within +2mm of the center
	Accuracy	Page 0	of the phantom
		(Appendix A)	of the phantom.
3	Patient Dose (Multiple Scan	Section 6	CTDL on center value shall be within
5	Average Dose) MSAD or	Dose Assessment	+/-30% from 7 3mGy (with 40x40
	Computed Tomography	Page 28-29	Cassette) or 7 7mGy (with
	Dose Index-CTDI	(Appendix A)	80x80Cassette), at Arch
4	Pre-Patient Collimation	Section 5.1.1 Positioning and	Record the X Y Z position in mm
•	Accuracy	Artifacts Tests	and write "Pass" in the check sheet if
		Page 7-9	all three positions are within +2mm.
		(Appendix A)	
		(	
5	Contrast Scale	Section 5.2.2. Contrast	Acceptable Grayscale values for
		Resolution Test	G_001 Recon Filter:
		Page 22	Aluminum: 187-233
		(Appendix A)	Bone EQ. Resin: 87-123
			Acrylic: 33-63
			Air: <19
6	CT Number For Water	Section 5.2.1. Noise and Gray	Acceptable Grayscale values for
		Scale (Uniformity) Test	D_001 Recon Filter:
		Page 19-22	Aluminum: 140-180
		(Appendix A)	Bone EQ. Resin: 102-138
			Acrylic: 54-86
7	Slice Thickness	None Not Appliachia	Alf: <21 None Not Applicable
/	Field Uniformity	None- Not Applicable	None- Not Applicable
0	Field Uniformity	Scale (Uniformity) Test	(SD of 5 means)" is less than 12.5
		Page 19-21	(SD of 5 means) is less than 12.5
		(Appendix A)	
9	Low Contrast Resolution	Section 5.2.2. Contrast	Acceptable Gravscale values for
-		Resolution Test	G 001 Recon Filter:
		Page 22	Aluminum: 187-233
		(Appendix A)	Bone EQ. Resin: 87-123
			Acrylic: 33-63
			Air: <19
10		Section 5.2.3. Spatial Resolution	Verify that the value for "MTF at 2
	High Contrast Resolution	Page 20-25	LP / mm" is at least 10%.
		(Appendix A)	
		Section 5.2.1 Noise and Gray	The value for Noise (SD at A) center
11	Noise	Scale (Uniformity) Test	region is less than 12.5
		Page 19-21	
		(Appendix A)	
12	Scan Protocol Review	Same as NJAC 22.10(a)	Same as NJAC 22.10(a)
	Review of Facility and		
13	Technologists QC Tests	Same as NJAC 22.10(a)	Same as NJAC 22.10(a)
1.4	Physicist Report and	Same as NIAC 22 10( )	
14	Recommendations	Same as NJAC 22.10(a)	Same as NJAC 22.10(a)