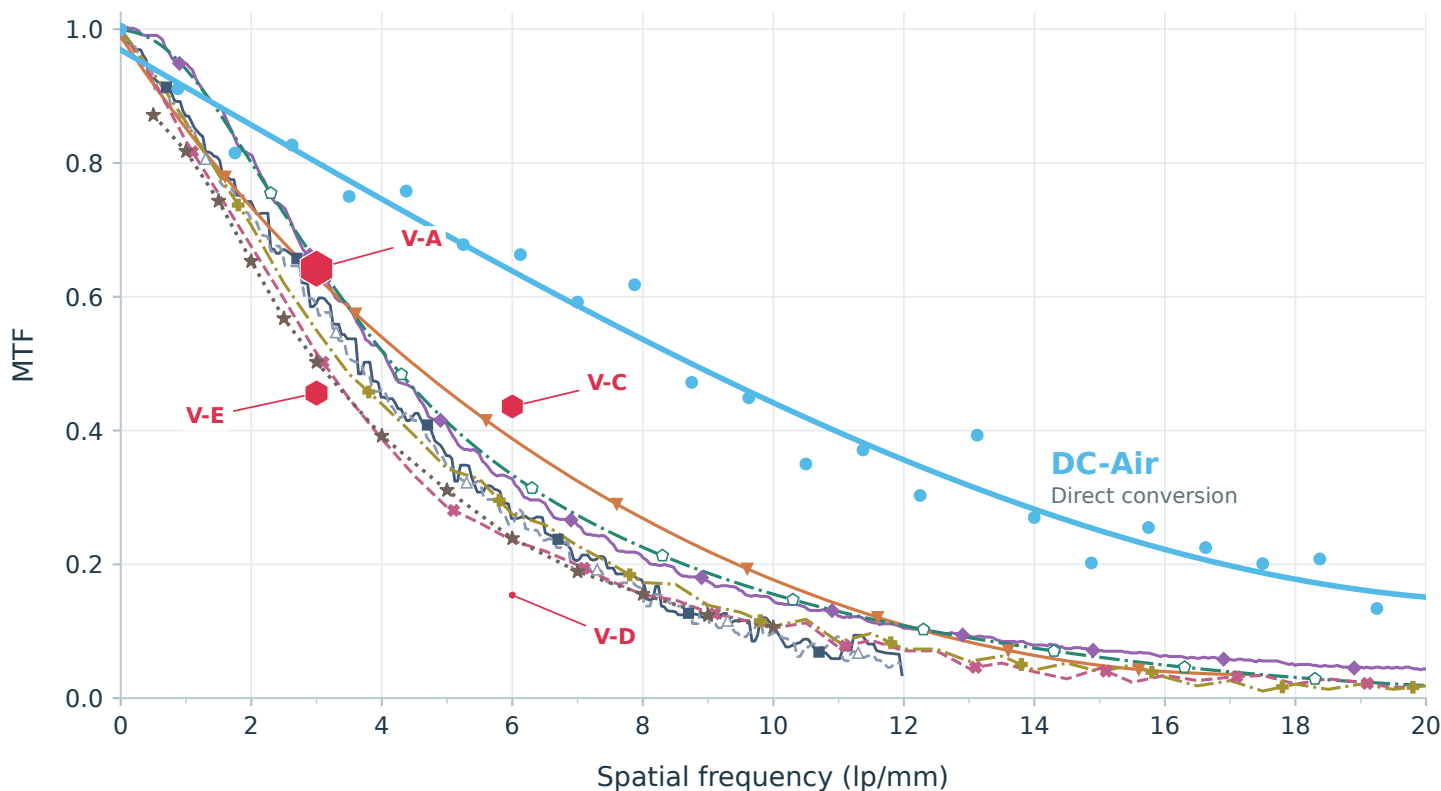


DC-Air & intraoral X-ray detectors

MODULATION TRANSFER FUNCTION / CURVES & PUBLISHED Vatech POINTS



Curve & point key - products and sources

Brand / model, source reference and year. V-A, V-C, V-D and V-E identify separate source results.

	Athlos Oy - DC-Air (WIOS-S2) Kellberg & Schulman (2020), WIOSS Performance Report 0000696 Rev.1. Fig. 3.2.3, p. 8 - direct silicon conversion; original vector curve and report points.
	Schick Technologies / Dentsply Sirona - CDR2000 DICOM Anastasiou et al. (2020), Measurement 151, 107171, Fig. 2 - scintillator. DOI: 10.1016/j.measurement.2019.107171 - 60 kVp / 70 kVp.
	Denterprise International - QuickRay HD Denterprise International (2015), FDA 510(k) K151926, p. 5-6. Published MTF plot - CsI / fiber-optic plate / CMOS; 20 μ m pixels.
	Trident Srl / Digital Doc - Blu Digital Doc (2020), Blu Sensor Technical Information, p. 4. Published MTF plot - CsI / fiber-optic plate / CMOS; 18 μ m pixels.
	Hamamatsu Photonics - S11684 (scintillator component) Hamamatsu (2023), X-ray Detectors, KMPD9016E02, Fig. 5-4. Typical sensor-component curve; QuickRay HD uses this sensor family.
	Carestream Health - CS 7600 / SmartPlate (SHR phosphor plate) Kuramoto et al. (2020), Dentomaxillofac Radiol 49, 20190378, Fig. 5. DOI: 10.1259/dmfr.20190378 - horizontal (H) / vertical (V); RQA3.
	Dürr Dental - VistaScan (phosphor plate; 12.5 μm scan) Sakurai et al. (2010), Dentomaxillofac Radiol 39, 207-215, Fig. 1. DOI: 10.1259/dmfr/44413341 - mean of scan and subscan directions.

Vatech - EzSensor scintillator sensors | published points

Red hexagons: 14.8 μ m full resolution; diameter = 22 pt $\times$ MTF. Binning values below: 29.6 μ m.

	V-A EzSensor Classic / HD / HDI-P / HDI-S - 3 lp/mm: 0.642; binning: 0.630 FDA K153060 (2015), PDF p. 7 - MTF measurement dose not stated.
	V-C EzSensor Soft / EzSensor Bio (earlier record) - 6 lp/mm: 0.436; binning: 0.464 FDA K143753 (2015), PDF p. 9 - MTF measurement dose not stated.
	V-D EzSensor Soft / Soft i / Bio / Bio i (later record) - 6 lp/mm: 0.154; binning: 0.133 FDA K151707 (2015), PDF p. 8 - MTF test dose: 84.64 μ Gy.
	V-E EzSensor Soft / Soft i / Bio / Bio i (predicate) - 3 lp/mm: 0.456 FDA K232255 (2023), PDF pp. 6-7 - GOS (Gd2O2S:Tb); MTF measurement dose not stated.

DC-Air: original vector curve / report points. Other curves extracted / digitised; curve symbols identify series.
Soft V-C / V-D differ. Beams, doses, directions and processing differ by source; reference comparison only.