

ELTA North America Request for FCC Experimental License

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Necessary Bandwidth Calculation

The necessary bandwidth was determined by measurement of the transmitted emission as shown in Table 1. Per Annex J of the NTIA manual¹ the necessary bandwidth is determined at the -20 dB level of the emission spectrum; therefore the necessary bandwidth is 3 MHz.

Table 1 – Emission Characteristic Measurement

Emission Level, dBc	Bandwidth, MHz
-3	2
-20	3
-40	13
-60	60
Occupied bandwidth	4

¹ *Manual of Regulations and Procedures for Federal Radio Frequency Management*, Washington, DC: US Department of Commerce, National Telecommunications and Information Administration, 2008 (revision May 2011).