

Exhibit B Technical Characteristics

I. NTIA EIRP Limits

Garmin has taken appropriate precautions in system design to ensure the maximum effective isotropic radiated power ("EIRP") from the proposed re-radiation devices does not exceed -140 dBm / 24 MHz at a distance of 100 feet from the exterior of the building, as stipulated in the NTIA Red Book. In doing so

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] Garmin's analysis demonstrates that the aggregate power levels 100 feet from the building exterior will always be well below the NTIA Redbook limit of -140 dBm/24 MHz, as depicted in Table 1, below.

Table 1. Aggregate Power Levels 100' From Building Exterior

Band	Frequency (MHz)	Combined Aggregate Power (dBm/24 MHz)
L1	1575.42	-153.8
L2	1227.60	-155.5
L5	1176.45	-149.4

II. Technical Parameters and EIRP Calculations

[Redacted] The NTIA standard equation for calculating maximum EIRP is:

$$P_{Tmax} = P_R + 20 \log_{10} f + 20 \log_{10}(30 + d) - 27.55$$

Where P_{Tmax} is the maximum permissible EIRP (dBm); P_R is the power received at 100 feet (30 m) from the building; f is the frequency in MHz; and d is the distance between the radiator and the closest exterior wall of the building (m).

[Redacted]

[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
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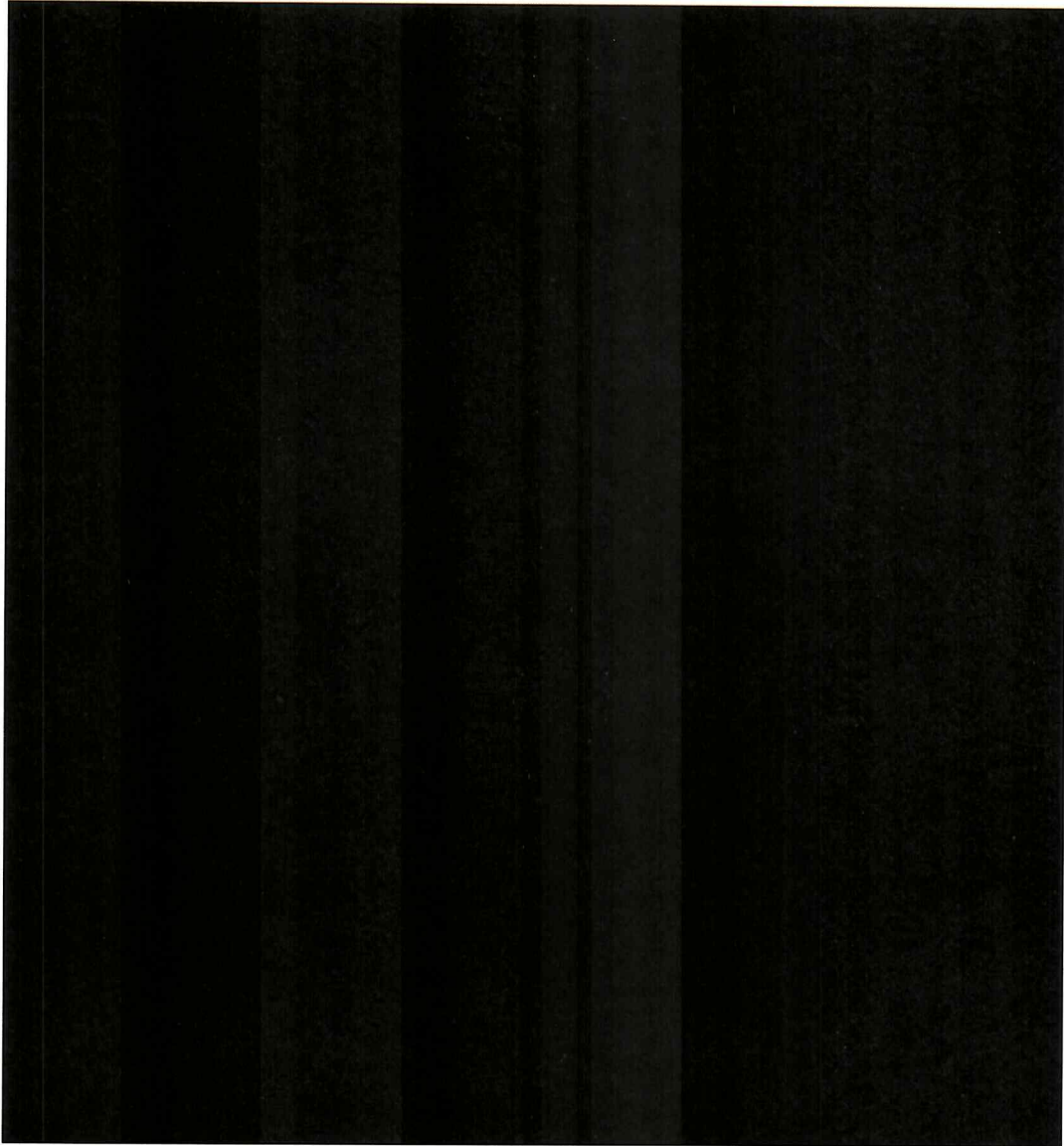
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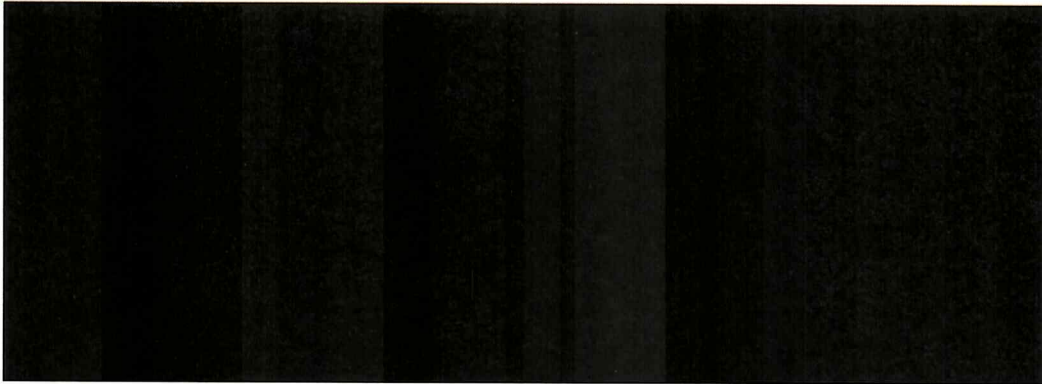


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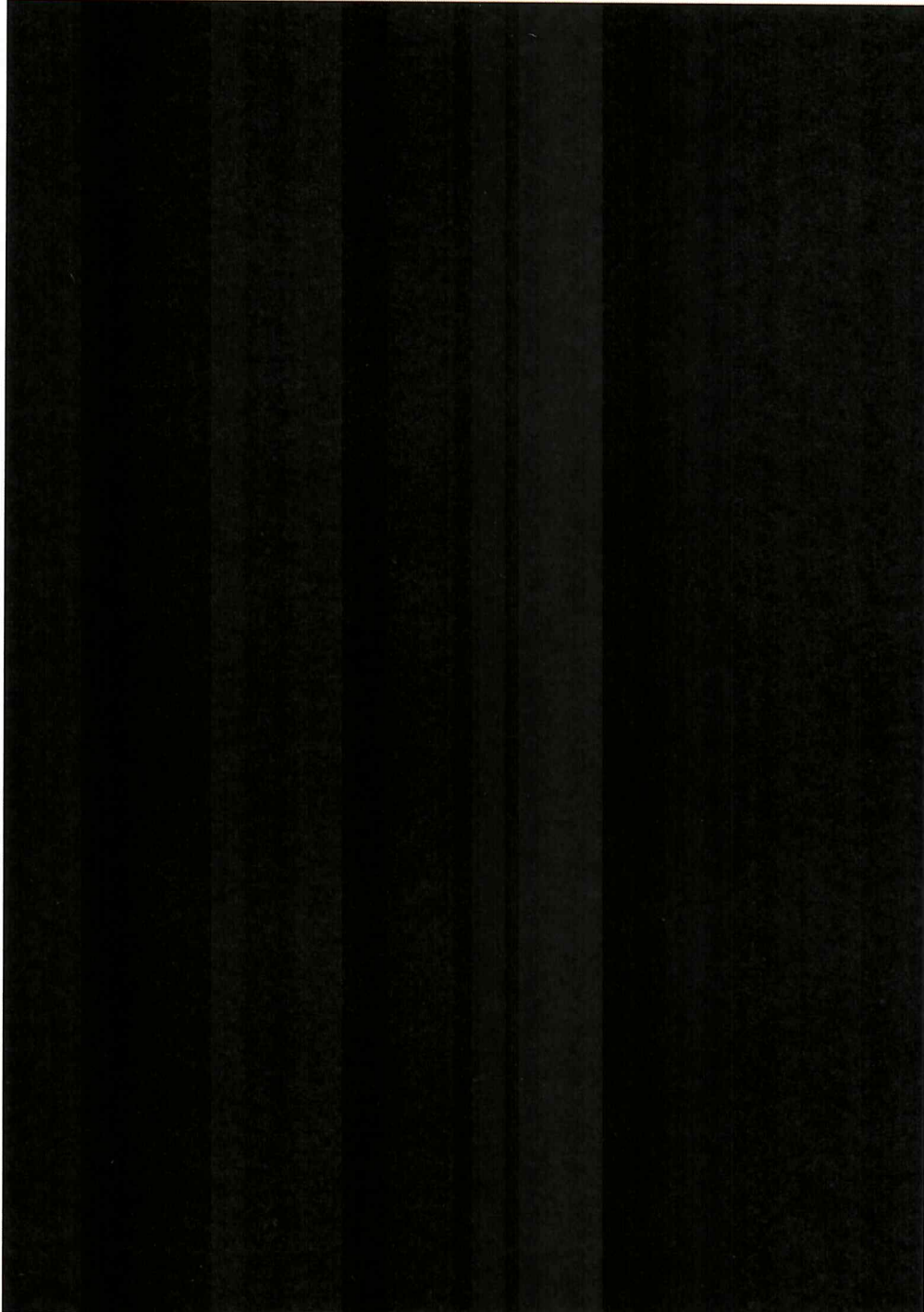
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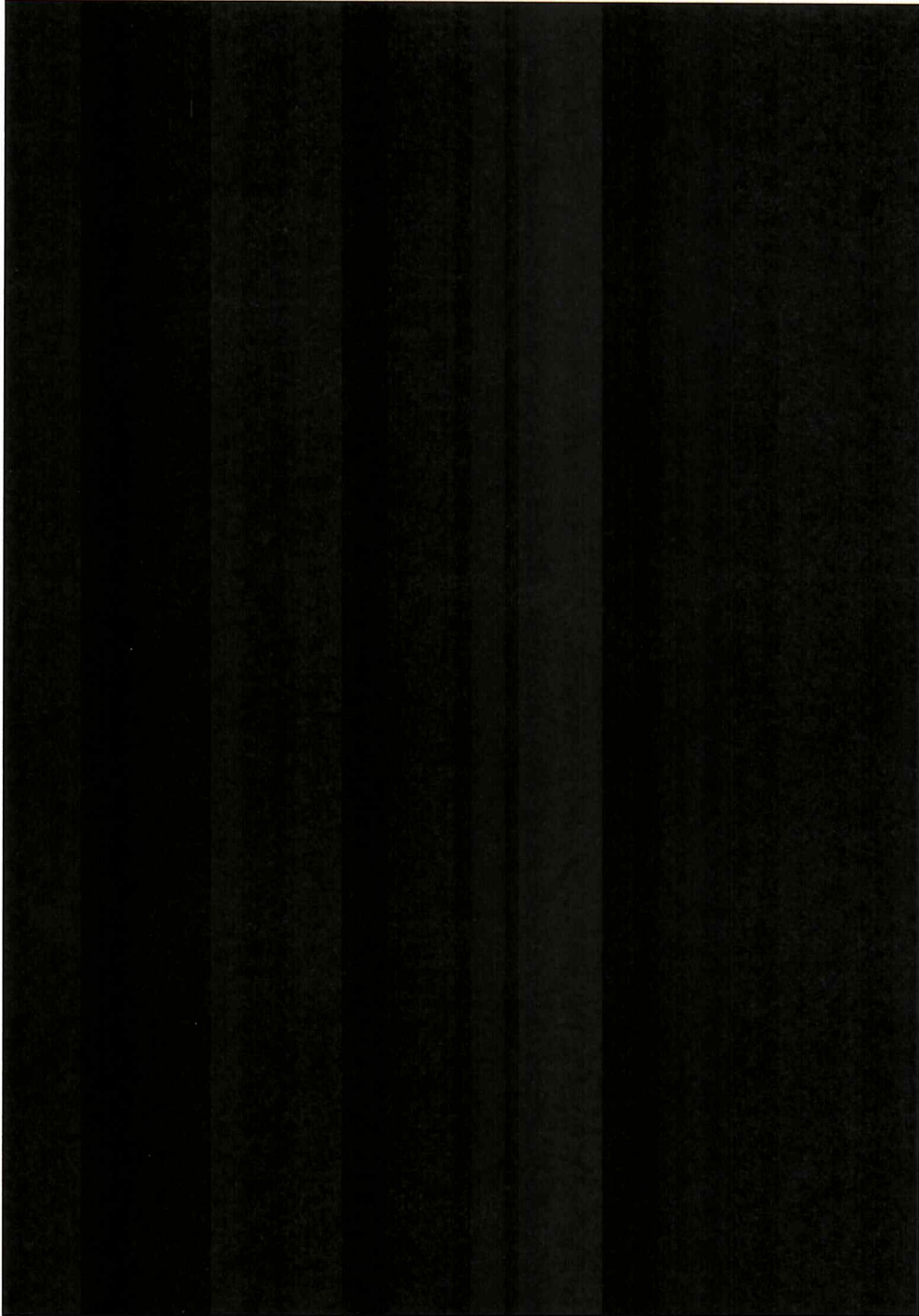
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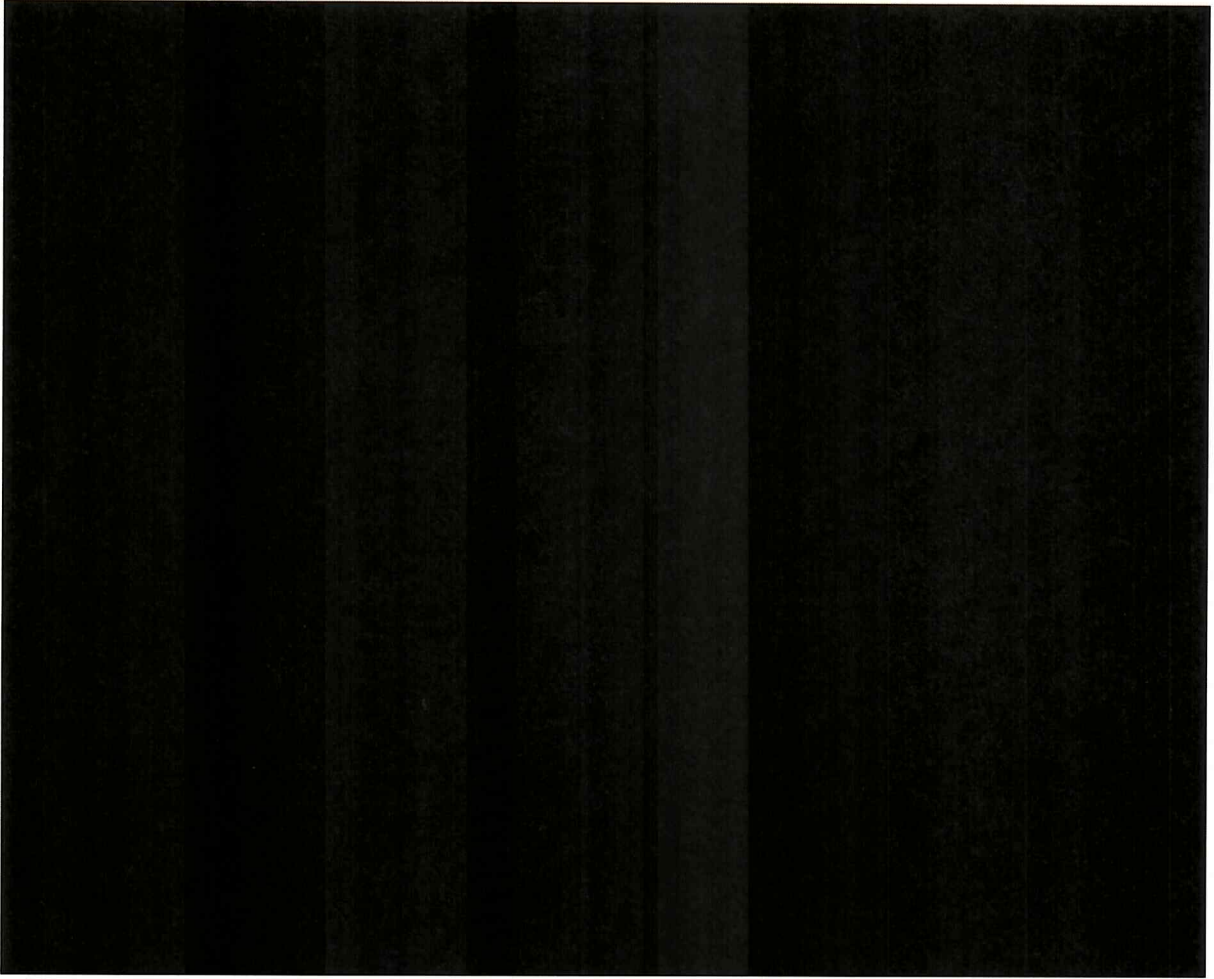
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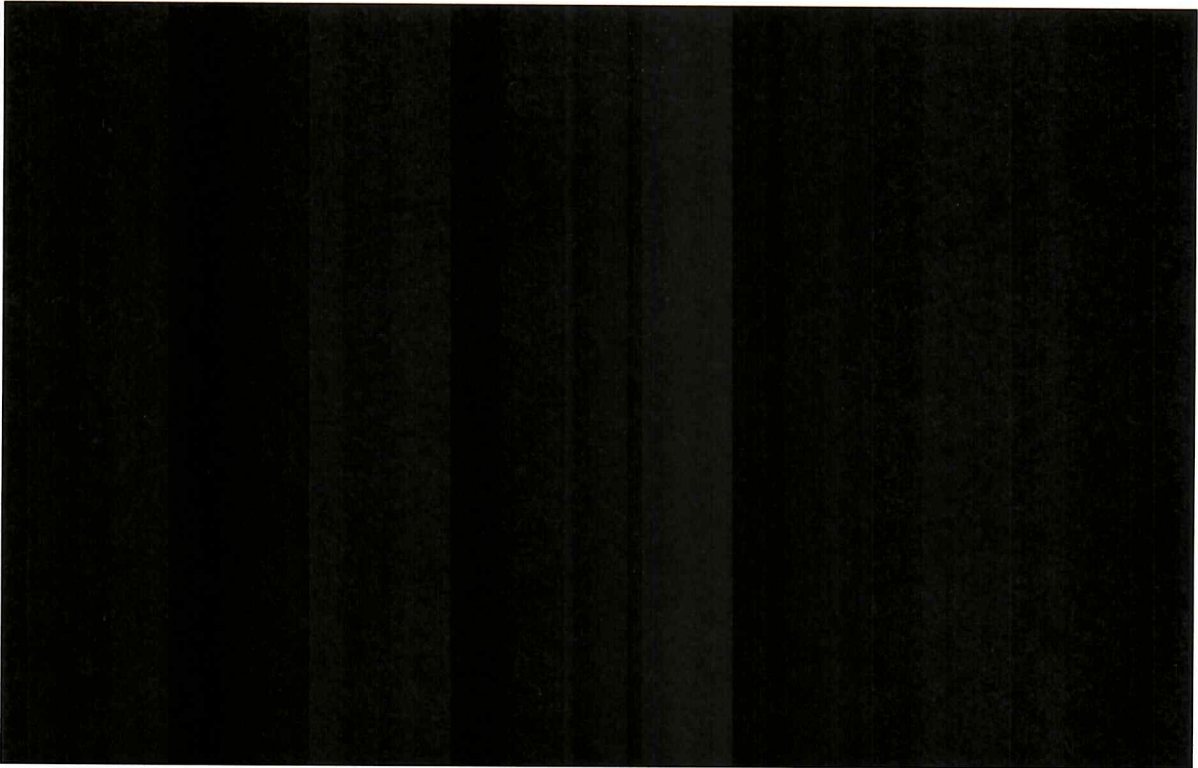
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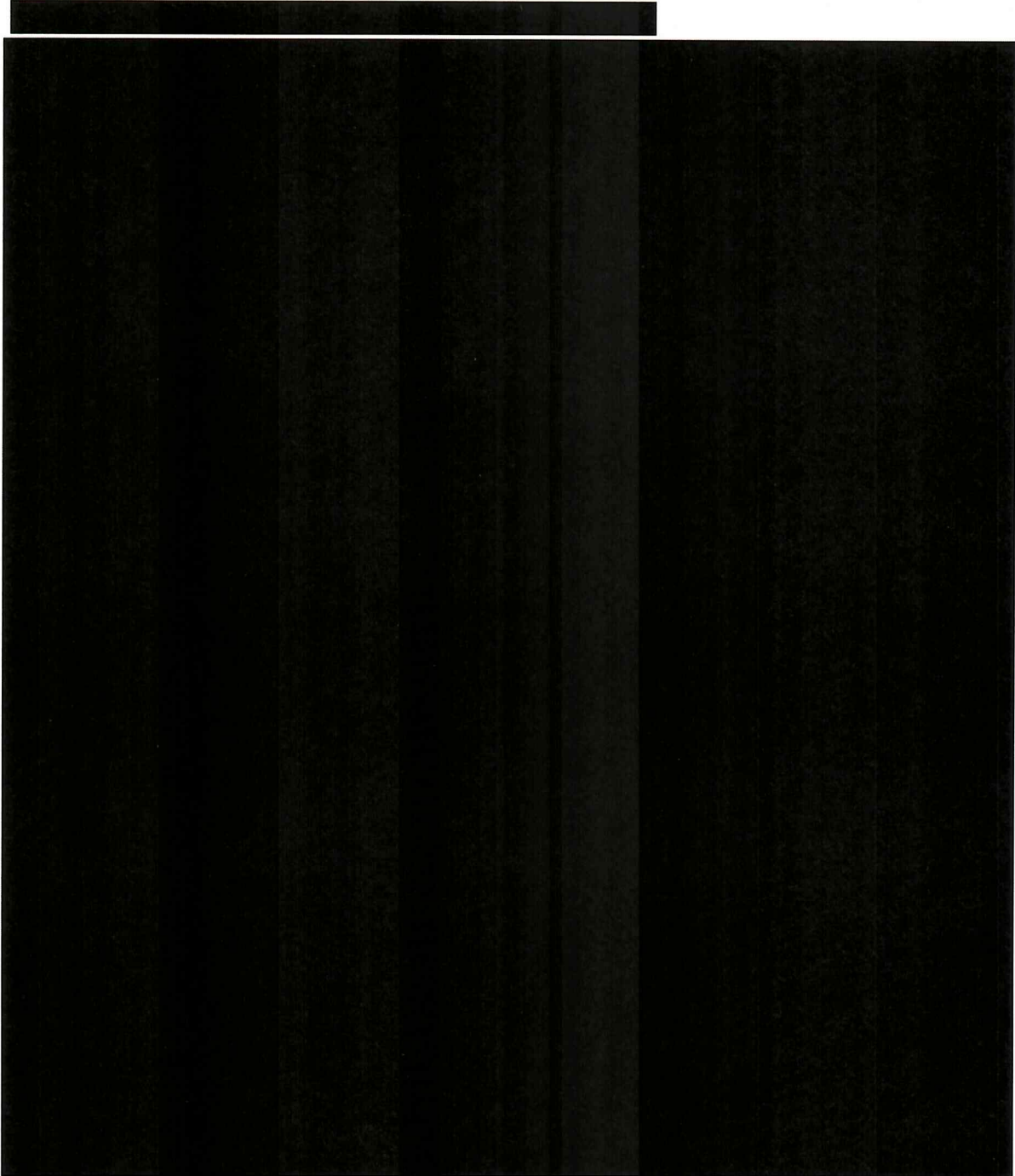


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IV. Supplemental Form 442 Technical Inputs



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[REDACTED]

[REDACTED]

[REDACTED]