The GPS Block IIR/IIR-M Antenna Panel Pattern

Appendix A – SV-Specific Patterns, Plots

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Topics

• Appendix A to “GPS Block IIR and IIR-M Antenna Panel Pattern, Marquis, Feb 2014:
  – This Appendix contains plots for the IIR and IIR-M SV-specific antenna patterns
SVN41 Antenna Pattern – L1
Classic IIR, Original Panel

SVN41 L1 RHCP roll pattern, Phi cuts every 10 deg

Directivity-dB

\( \theta \) Theta-deg

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SVN41 Antenna Pattern – L2
Classic IIR, Original Panel

SVN41 L2 RHCP roll pattern, Phi cuts every 10 deg

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SVN43 Antenna Pattern – L1
Classic IIR, Original Panel

SVN43 L1 RHCP roll pattern, Phi cuts every 10 deg
SVN43 Antenna Pattern – L2
Classic IIR, Original Panel

SVN43 L2 RHCP roll pattern, Phi cuts every 10 deg
SVN44 Antenna Pattern – L1
Classic IIR, Original Panel

SVN44 L1 RHCP roll pattern, Phi cuts every 10 deg
SVN44 Antenna Pattern – L2
Classic IIR, Original Panel

SVN44 L2 RHCP roll pattern, Phi cuts every 10 deg
SVN45 Antenna Pattern – L1
Classic IIR, Original Panel

SVN45 L1 RHCP roll pattern, Phi cuts every 10 deg
SVN46 Antenna Pattern – L1
Classic IIR, Original Panel

SVN46 L1 RHCP roll pattern, Phi cuts every 10 deg
SVN46 Antenna Pattern – L2
Classic IIR, Original Panel

SVN46 L2 RHCP roll pattern, Phi cuts every 10 deg
SVN47 Antenna Pattern – L1
Classic IIR, Improved Panel

SVN47 L1 RHCP roll pattern, Phi cuts every 10 deg
SVN47 Antenna Pattern – L2
Classic IIR, Improved Panel

SVN47 L2 RHCP roll pattern, Phi cuts every 10 deg
SVN48 Antenna Pattern – L1
IIR-M, Improved Panel

SVN48 L1 RHCP roll pattern, Phi cuts every 10 deg

Directivity-dB vs Theta-deg
SVN48 Antenna Pattern – L2
IIR-M, Improved Panel

SVN48 L2 RHCP roll pattern, Phi cuts every 10 deg
SVN49 Antenna Pattern – L1
IIR-M, Improved Panel

SVN49 L1 RHCP roll pattern, Phi cuts every 10 deg
SVN49 Antenna Pattern – L2
IIR-M, Improved Panel

SVN49 L2 RHCP roll pattern, Phi cuts every 10 deg
SVN50 Antenna Pattern – L1
IIR-M, Improved Panel

SVN50 L1 RHCP roll pattern, Phi cuts every 10 deg

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SVN50 Antenna Pattern – L2
IIR-M, Improved Panel

SVN50 L2 RHCP roll pattern, Phi cuts every 10 deg
SVN51 Antenna Pattern – L1
Classic IIR, Original Panel

SVN51 L1 RHCP roll pattern, Phi cuts every 10 deg
SVN51 Antenna Pattern – L2
Classic IIR, Original Panel

SVN51 L2 RHCP roll pattern, Phi cuts every 10 deg

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SVN52 Antenna Pattern – L1
IIR-M, Improved Panel

SVN52 L1 RHCP roll pattern, Phi cuts every 10 deg

Directivity-dB

Θ Theta-deg

Space Service

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LMCO 2014
SVN52 Antenna Pattern – L2
IIR-M, Improved Panel

SVN52 L2 RHCP roll pattern, Phi cuts every 10 deg
SVN53 Antenna Pattern – L1
IIR-M, Improved Panel

SVN53 L1 RHCP roll pattern, Phi cuts every 10 deg

LMCO 2014
SVN53 Antenna Pattern – L2
IIR-M, Improved Panel

SVN53 L2 RHCP roll pattern, Phi cuts every 10 deg

LMCO 2014
SVN54 Antenna Pattern – L1
Classic IIR, Original Panel

SVN54 L1 RHCP roll pattern, Phi cuts every 10 deg

Directivity-dB

θ Theta-deg

Space Service
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Space Service

LMCO 2014
SVN54 Antenna Pattern – L2
Classic IIR, Original Panel

SVN54 L2 RHCP roll pattern, Phi cuts every 10 deg

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SVN55 Antenna Pattern – L1
IIR-M, Improved Panel

SVN55 L1 RHCP roll pattern, Phi cuts every 10 deg

Directivity-dB

\( \Theta \) Theta-deg

LMCO 2014
SVN55 Antenna Pattern – L2
IIR-M, Improved Panel

SVN55 L2 RHCP roll pattern, Phi cuts every 10 deg

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SVN56 Antenna Pattern – L1
Classic IIR, Original Panel

SVN56 L1 RHCP roll pattern, Phi cuts every 10 deg
SVN56 Antenna Pattern – L2
Classic IIR, Original Panel

SVN56 L2 RHCP roll pattern, Phi cuts every 10 deg

Directivity-dB vs Theta-deg

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SVN57 Antenna Pattern – L1
IIR-M, Improved Panel

SVN57 L1 RHCP roll pattern, Phi cuts every 10 deg
SVN57 Antenna Pattern – L2
IIR-M, Improved Panel

SVN57 L2 RHCP roll pattern, Phi cuts every 10 deg
SVN58 Antenna Pattern – L1
IIR-M, Improved Panel

SVN58 L1 RHCP roll pattern, Phi cuts every 10 deg

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SVN58 Antenna Pattern – L2
IIR-M, Improved Panel

SVN58 L2 RHCP roll pattern, Phi cuts every 10 deg
SVN59 Antenna Pattern – L1
Classic IIR, Improved Panel

SVN59 L1 RHCP roll pattern, Phi cuts every 10 deg

Directivity-dB vs. θ (Theta-deg)

Space Service
Earth Service
Space Service

LMCO 2014
SVN59 Antenna Pattern – L2
Classic IIR, Improved Panel

SVN59 L2 RHCP roll pattern, Phi cuts every 10 deg

Directivity-dB

\( \Theta \) Theta-deg

Space Service

Earth Service

LMCO 2014
SVN60 Antenna Pattern – L1
Classic IIR, Improved Panel

SVN60 L1 RHCP roll pattern, Phi cuts every 10 deg
SVN60 Antenna Pattern – L2
Classic IIR, Improved Panel

SVN60 L2 RHCP roll pattern, Phi cuts every 10 deg

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SVN61 Antenna Pattern – L1
Classic IIR, Improved Panel

SVN61 L1 RHCP roll pattern, Phi cuts every 10 deg

LMCO 2014
SVN61 Antenna Pattern – L2
Classic IIR, Improved Panel

SVN61 L2 RHCP roll pattern, Phi cuts every 10 deg