



Information Sheet IS22007

GV Series Compatibility and Power Capability for GV SW 5.1.0 and Newer

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INFORMATION SHEET

1 INTRODUCTION

This document provides information about the release of GV SW 5.1.0 and the compatible HD Multicast + SW versions affected for MP11 operation. An updated Total Average Power, Analog Power and Typical Efficiency table is provided.

1.1 Equipment Affected

This information applies to GV transmitters operating with software version GV SW 5.1.0 or newer.

1.1.1 GV Series Transmitter Minimum Software Requirements

GV SW 5.1.0 or newer.

1.1.2 HD Multicast + Minimum Software Requirements

HDMC+ SW 1.3 or newer

1.2 Special Tools/Test Equipment/Software

No special tools or equipment are required.

1.3 Materials

No special materials are required.

1.4 Publications Affected

This information does not affect the technical documentation.

2 MP11 POWER AND EFFICIENCY INFORMATION

Table 1 shows the Total Average power, Analog Power and Typical Efficiency for the listed modes and injection levels.

Mode	Parameter	GV3.5	GV5	GV7.5	GV10	GV15	GV20	GV30N	GV30	GV40	GV60	GV80
FM + HD -20dB	Total Avg Power	3.7kW	4.9kW	7.3kW	9.8kW	14.7kW	19.7kW	29.5kW	29.5kW	39.3kW	59.0kW	78.8kW
	Analog Power	3.6kW	4.8kW	7.2kW	9.7kW	14.5kW	19.4kW	29.1kW	29.1kW	38.8kW	58.2kW	77.7kW
	Typical Efficiency	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%
FM + HD -14dB	Total Avg Power	3.4kW	4.5kW	6.8kW	9.2kW	13.7kW	18.3kW	27.5kW	27.5kW	36.5kW	54.8kW	73.1kW
	Analog Power	3.2kW	4.3kW	6.4kW	8.7kW	13.0kW	17.3kW	26.0kW	26.0	34.6kW	51.9kW	69.2kW
	Typical Efficiency	57%	57%	57%	57%	57%	57%	57%	57%	57%	57%	57%
FM + HD -10dB	Total Avg Power	2.6kW	3.5kW	5.4kW	7.3kW	10.7kW	14.4kW	21.6kW	21.6kW	28.8kW	43.1kW	57.6kW
	Analog Power	2.3kW	3.1kW	4.7kW	6.4kW	9.4kW	12.6kW	18.9kW	18.9kW	25.2kW	37.8kW	50.5kW
	Typical Efficiency	52%	52%	52%	52%	52%	52%	52%	52%	52%	52%	52%
HD Only -20dB	Max Power	1.6kW	2.2kW	3.2kW	4.3kW	6.5kW	8.6kW	12.9kW	12.9kW	17.2kW	25.8kW	34.4kW
	Typical Efficiency	54%	54%	54%	54%	54%	54%	54%	54%	54%	54%	54%
HD Only -14dB	Max Power	1.3kW	1.8kW	2.6kW	3.5kW	5.3kW	7.0kW	10.5kW	10.5kW	14.0kW	21.0kW	28.0kW
	Typical Efficiency	51%	51%	51%	51%	51%	51%	51%	51%	51%	51%	51%
HD Only -10dB	Max Power	1.2kW	1.6kW	2.3kW	3.1kW	4.7kW	6.2kW	9.3kW	9.3kW	12.4kW	18.6kW	24.8kW
	Typical Efficiency	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%	47%

Table 1: 1: MP11 Power and Efficiency Information

If you have any questions or require additional assistance, please contact Nautel's Customer Service Department at:

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