

**GREG BEST
CONSULTING, INC.**

9223 N. Manning Ave.
Kansas City, MO 64157
816-792-2913

**ANYWAVE MODEL MPTV 1 KW DTV
TRANSMITTER TECHNICAL REPORT**

| TABLE OF CONTENTS | PAGE |
|--|-------------|
| Introduction | 2 |
| Test Equipment Configuration | 3 |
| RF Output Power Measurements – 1000 Watts | 4 |
| Frequency Stability Measurements | 5 |
| Emission Mask Compliance Measurements – 1000 Watts | 6 |
| Adjacent Channel Measurements | 9 |
| Harmonic & Spurious Measurements | 11 |
| GPS Band Filter Attenuation | 14 |
| Cabinet Radiation Measurements | 15 |
| RF Output Power Measurements – 300 Watts | 18 |
| Emission Mask Compliance Measurements – 300 Watts | 18 |
| Adjacent Channel Measurements | 21 |
| Harmonic & Spurious Measurements | 22 |
| Test Equipment | 25 |
| Summary and Conclusion | 25 |

TEST REPORT

MPTV

MPTV TRANSMITTER TECHNICAL REPORT

The following information is provided to support the technical performance of the Anywave MPTV DTV transmitter. The information is supplied for broadcast service according to applicable portions of Part 74 and Part 2 of the FCC Rules.

The information in this report is provided in support of certification that the transmitter meets the appropriate requirements. Measurements outlined below were recorded of spectrum and other data to demonstrate compliance. The tests executed for the MPTV DTV transmitter include:

1. Power Output Measurements
2. Frequency stability tests versus AC input voltage and temperature
3. Measurements to demonstrate the transmitter meets the DTV emission mask as specified in FCC Rule 74.794 (a) (2) (ii) and 74.794 (b) (1).
4. Measurement of cabinet radiation for spurious and harmonic emission as specified in FCC Rule 2.1053 and Rule 2.1057

Measurements for power output and emission mask compliance were conducted at power output levels of both 1000 watts and 300 watts and thus this is the range over which type certification for this transmitter is sought.

The test equipment used for the measurements is listed at the end of this document.