

MARU 220 DVOR

| Main Status | Site | SLO | Active TX | TX2 |
|-------------|------|--------------------------|-----------|-----|
| | Date | Thu Jan 15 2026 00:48:31 | | |

| ç¹ TX Configuration | TX1 | TX2 |
|----------------------------|-----------|-----------|
| Status | NORMAL | NORMAL |
| Operating Frequency | 116.30MHz | 116.30MHz |
| IDENT Code | SLO | SLO |
| CARRIER Output Power | 90.0W | 105.0W |
| USB SIN Output Power | 2.20W | 1.80W |
| USB COS Output Power | 2.20W | 1.80W |
| LSB SIN Output Power | 2.20W | 1.80W |
| LSB COS Output Power | 2.20W | 1.80W |
| 30Hz AM Modulation Depth | 29.5% | 30.0% |
| 1020Hz AM Modulation Depth | 7.0% | 7.0% |
| Voice AM Modulation Depth | 0.0% | 0.0% |
| Sideband RF Phase Offset | 0.0degs | 80.0degs |
| Azimuth Offset | 2.0degs | 2.5degs |

| ç¹ MON Major Measurement | MON1 | MON2 |
|----------------------------|-------------|-------------|
| Status | BYPASSED | BYPASSED |
| IDENT Code | SLO | SLO |
| CARRIER Frequency | 116.3008MHz | 116.3009MHz |
| USB Frequency | 116.3108MHz | 116.3107MHz |
| LSB Frequency | 116.2907MHz | 116.2907MHz |
| CARRIER Output Power | 93.8W | 94.1W |
| RF Input Level | -11.8dBm | -11.8dBm |
| Azimuth | 3.3degs | 3.3degs |
| 9960Hz FM Index | 16.0 | 16.0 |
| 30Hz AM Modulation Depth | 31.2% | 30.7% |
| 9960Hz AM Modulation Depth | 30.6% | 30.6% |
| 1020Hz AM Modulation Depth | 7.3% | 7.2% |

MARU 220 DVOR

| Transmitter | Site | SLO | Active TX | TX2 |
|-------------|------|--------------------------|-----------|-----|
| | Date | Thu Jan 15 2026 00:48:31 | | |

| | | |
|------------------------------------|-----------|-----------|
| ç ¹ General Status | TX1 | TX2 |
| Status | NORMAL | NORMAL |
| ç ¹ SYN PLL Status | TX1 | TX2 |
| Operating Frequency | 116.30MHz | 116.30MHz |
| Carrier PLL Lock | Normal | Normal |
| USB PLL Lock | Normal | Normal |
| LSB PLL Lock | Normal | Normal |
| ç ¹ IDENT | TX1 | TX2 |
| IDENT Code | SLO | SLO |
| IDENT Mode | Master | Master |
| IDENT Keying | ON | ON |
| ç ¹ Output Power | TX1 | TX2 |
| CARRIER | 90.0W | 105.0W |
| USB SIN | 2.20W | 1.80W |
| USB COS | 2.20W | 1.80W |
| LSB SIN | 2.20W | 1.80W |
| LSB COS | 2.20W | 1.80W |
| ç ¹ AM Modulation Depth | TX1 | TX2 |
| 30Hz | 29.5% | 30.0% |
| 1020Hz | 7.0% | 7.0% |
| Voice | 0.0% | 0.0% |
| ç ¹ Sideband RF Phase | TX1 | TX2 |
| Phase Offset | 0.0degs | 80.0degs |
| ç ¹ Azimuth Adjustment | TX1 | TX2 |
| Azimuth Offset | 2.0degs | 2.5degs |
| ç ¹ Modulation Control | TX1 | TX2 |
| CARRIER | ON | ON |
| Sideband | ON | ON |
| ç ¹ Power Amp Control | TX1 | TX2 |
| CPA | OFF | ON |
| USB SBA | OFF | OFF |
| LSB SBA | OFF | ON |
| ç ¹ Antenna Control | TX1 | TX2 |
| Control Mode | Normal | Normal |
| ç ¹ Temperature | TX1 | TX2 |
| CPA Temperature | 23.0degs | 39.0degs |
| MSG Temperature | 37.5degs | 38.0degs |

| MARU 220 DVOR | | | | |
|---------------|------|--------------------------|-----------|-----|
| Monitor | Site | SLO | Active TX | TX2 |
| | Date | Thu Jan 15 2026 00:48:31 | | |

| ç¹ General Status | MON1 | MON2 |
|-------------------------------------|-------------|-------------|
| Status | BYPASSED | BYPASSED |
| ç¹ Major Measurement | MON1 | MON2 |
| IDENT Code | SLO | SLO |
| CARRIER Frequency | 116.3008MHz | 116.3009MHz |
| USB Frequency | 116.3108MHz | 116.3107MHz |
| LSB Frequency | 116.2907MHz | 116.2907MHz |
| CARRIER Output Power | 93.8W | 94.1W |
| RF Input Level | -11.8dBm | -11.8dBm |
| Azimuth | 3.3degs | 3.3degs |
| 9960Hz FM Index | 16.0 | 16.0 |
| 30Hz AM Modulation Depth | 31.2% | 30.7% |
| 9960Hz AM Modulation Depth | 30.6% | 30.6% |
| 1020Hz AM Modulation Depth | 7.3% | 7.2% |
| ç¹ MON Test Signal Generator | MON1 | MON2 |
| TSG 30Hz AM Modulation Depth | 30.5% | 30.1% |
| TSG 9960Hz AM Modulation Depth | 30.3% | 30.0% |
| TSG 9960Hz FM Index | 15.7 | 15.9 |
| TSG Azimuth | 180.2degs | 179.8degs |
| ç¹ Voltage Measurements | MON1 | MON2 |
| TX1 +5V | 4.9V | 5.0V |
| TX1 +7V | 7.2V | 7.1V |
| TX1 +15V | 15.0V | 14.9V |
| TX1 +28V | 28.2V | 28.1V |
| TX1 -15V | -15.0V | -15.0V |
| TX2 +5V | 4.9V | 4.9V |
| TX2 +7V | 7.0V | 7.0V |
| TX2 +15V | 15.0V | 15.0V |
| TX2 +28V | 27.8V | 28.0V |
| TX2 -15V | -15.0V | -15.0V |
| ç¹ SIDEBAND Output Power (From MSG) | TX1 | TX2 |
| USB SIN Output Power | - | 2.16W |
| USB COS Output Power | - | 2.13W |
| LSB SIN Output Power | - | 2.14W |
| LSB COS Output Power | - | 2.25W |

MARU 220 DVOR

| MON Alarm Limit | Site | SLO | Active TX | TX2 |
|-----------------|------|--------------------------|-----------|-----|
| | Date | Thu Jan 15 2026 00:48:31 | | |

| ç¹ MONITOR1 | LOWER | UPPER |
|--------------------------|-------------|-------------|
| TX1 CARRIER Frequency | 116.2900MHz | 116.3100MHz |
| TX2 CARRIER Frequency | 116.2900MHz | 116.3100MHz |
| TX1 USB Frequency | 116.3000MHz | 116.3200MHz |
| TX2 USB Frequency | 116.3000MHz | 116.3200MHz |
| TX1 LSB Frequency | 116.2800MHz | 116.3000MHz |
| TX2 LSB Frequency | 116.2800MHz | 116.3000MHz |
| TX1 CARRIER Output Power | 80.0W | 120.0W |
| TX2 CARRIER Output Power | 80.0W | 120.0W |
| TX1 RF Input Level | -20.0dBm | 0.0dBm |
| TX2 RF Input Level | -20.0dBm | 0.0dBm |
| TX1 Azimuth | 2.2degs | 4.2degs |
| TX2 Azimuth | 2.2degs | 4.2degs |
| TX1 9960Hz FM Index | 15.0 | 17.0 |
| TX2 9960Hz FM Index | 15.0 | 17.0 |
| TX1 30Hz AM Mod. Depth | 28.0% | 32.0% |
| TX2 30Hz AM Mod. Depth | 28.0% | 32.0% |
| TX1 9960Hz AM Mod. Depth | 28.0% | 32.0% |
| TX2 9960Hz AM Mod. Depth | 28.0% | 32.0% |
| TX1 1020Hz AM Mod. Depth | 9.0% | 5.0% |
| TX2 1020Hz AM Mod. Depth | 9.0% | 5.0% |
| TSG 30Hz AM Mod. Depth | 28.0% | 32.0% |
| TSG 9960Hz AM Mod. Depth | 28.0% | 32.0% |
| TSG 9960Hz FM Index | 15.0 | 17.0 |
| TSG Azimuth | 179.0 | 181.0 |
| TX +5V | 3.0V | 7.0V |
| TX +7V | 5.0V | 9.0V |
| TX +15V | 13.0V | 17.0V |
| TX +28V | 26.0V | 30.0V |
| TX -15V | -17.0V | -13.0V |

| ç¹ MONITOR2 | LOWER | UPPER |
|--------------------------------|-------------|-------------|
| TX1 CARRIER Frequency | 116.2900MHz | 116.3100MHz |
| TX2 CARRIER Frequency | 116.2900MHz | 116.3100MHz |
| TX1 USB Frequency Lower Limit | 116.3000MHz | 116.3200MHz |
| TX2 USB Frequency Lower Limit | 116.3000MHz | 116.3200MHz |
| TX1 LSB Frequency | 116.2800MHz | 116.3000MHz |
| TX2 LSB Frequency | 116.2800MHz | 116.3000MHz |
| TX1 CARRIER Output Power | 80.0W | 120.0W |
| TX2 CARRIER Output Power | 80.0W | 120.0W |
| TX1 RF Input Level Lower Limit | -20.0dBm | 0.0dBm |
| TX2 RF Input Level Lower Limit | -20.0dBm | 0.0dBm |
| TX1 Azimuth | 2.2degs | 4.2degs |
| TX2 Azimuth | 2.2degs | 4.2degs |
| TX1 9960Hz FM Index | 15.0 | 17.0 |
| TX2 9960Hz FM Index | 15.0 | 17.0 |
| TX1 30Hz AM Mod. Depth | 28.0% | 32.0% |
| TX2 30Hz AM Mod. Depth | 28.0% | 32.0% |
| TX1 9960Hz AM Mod. Depth | 28.0% | 32.0% |
| TX2 9960Hz AM Mod. Depth | 28.0% | 32.0% |
| TX1 1020Hz AM Mod. Depth | 5.0% | 9.0% |

| | | |
|--------------------------|--------|--------|
| TX2 1020Hz AM Mod. Depth | 5.0% | 9.0% |
| TSG 30Hz AM Mod. Depth | 28.0% | 32.0% |
| TSG 9960Hz AM Mod. Depth | 28.0% | 32.0% |
| TSG 9960Hz FM Index | 15.0 | 17.0 |
| TSG Azimuth | 179.0 | 181.0 |
| TX +5V | 3.0V | 7.0V |
| TX +7V | 5.0V | 9.0V |
| TX +15V | 13.0V | 17.0V |
| TX +28V | 26.0V | 30.0V |
| TX -15V | -17.0V | -13.0V |

MARU 220 DVOR

| MISC | Site | SLO | Active TX | TX2 |
|------|------|--------------------------|-----------|-----|
| | Date | Thu Jan 15 2026 00:48:31 | | |

ç¹ Communication

| | |
|---------------|----------|
| - LCU ;ê MON1 | : Normal |
| - LCU ;ê MON2 | : Normal |
| - LCU ;ê MSG1 | : Normal |
| - LCU ;ê MSG2 | : Normal |

ç¹ Unit

| | |
|------------|----------|
| - CMA1 | : Normal |
| - USB SMA1 | : Normal |
| - LSB SMA1 | : Normal |
| - CMA2 | : Normal |
| - USB SMA2 | : Normal |
| - LSB SMA2 | : Normal |
| - MSG1 | : Normal |
| - MSG2 | : Normal |
| - MON1 | : Normal |
| - MON2 | : Normal |
| - LCU | : Normal |
| - AC/DC1 | : Normal |
| - AC/DC2 | : Normal |
| - DC/DC1 | : Normal |
| - DC/DC2 | : Normal |
| - BATTERY1 | : Normal |
| - BATTERY2 | : Normal |

ç¹ DC/DC Status

Voltage

Current

| | | |
|-----------|---------|--------|
| - DC +5V | 5.3 V | 1.4 A |
| - DC +7V | 7.3 V | 1.1 A |
| - DC +15V | 14.9 V | 0.0 A |
| - DC +28V | 26.8 V | 22.8 A |
| - DC -15V | -14.1 V | 0.0 A |

ç¹ AC/DC Status

Voltage

Current

| | | |
|-----------|--------|--------|
| - AC +28V | 27.1 V | 10.6 A |
|-----------|--------|--------|

ç¹ Battery Status

Voltage

Current

| | | |
|----------------|--------|-------|
| - Battery +24V | 26.2 V | 0.0 A |
|----------------|--------|-------|

ç¹ Shelter

| | |
|-----------------------|----------|
| - Door | : Closed |
| - Fire Alarm | : Normal |
| - Ambient Temperature | : -222.4 |

ç¹ Version Info

Serial No.

System Version

SW Version

| | | |
|--------|------|-----------|
| - LCU | 2.00 | 1.13.302 |
| - MSG1 | 1.00 | 1.13.0201 |
| - MSG2 | 1.00 | 1.13.0201 |
| - MON1 | 1.00 | 1.13.0448 |
| - MON2 | 1.00 | 1.13.0448 |