

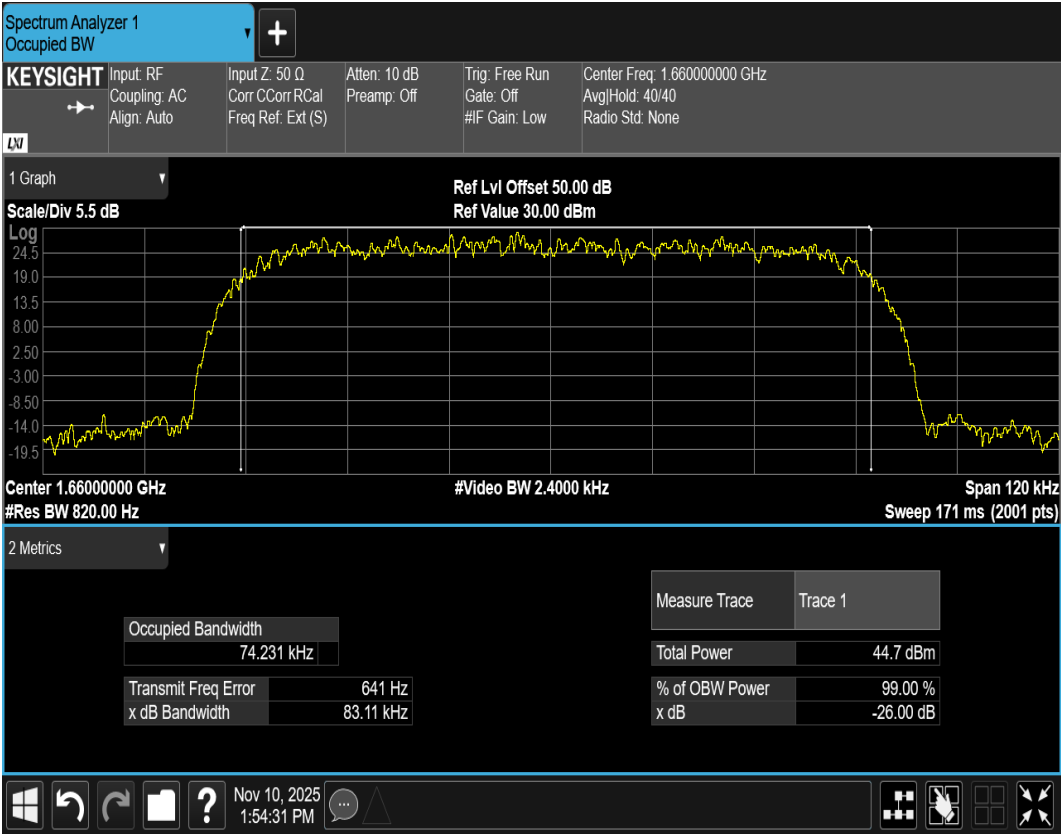


Figure 89 - Top Channel, P4-QPSK: 67200 SR

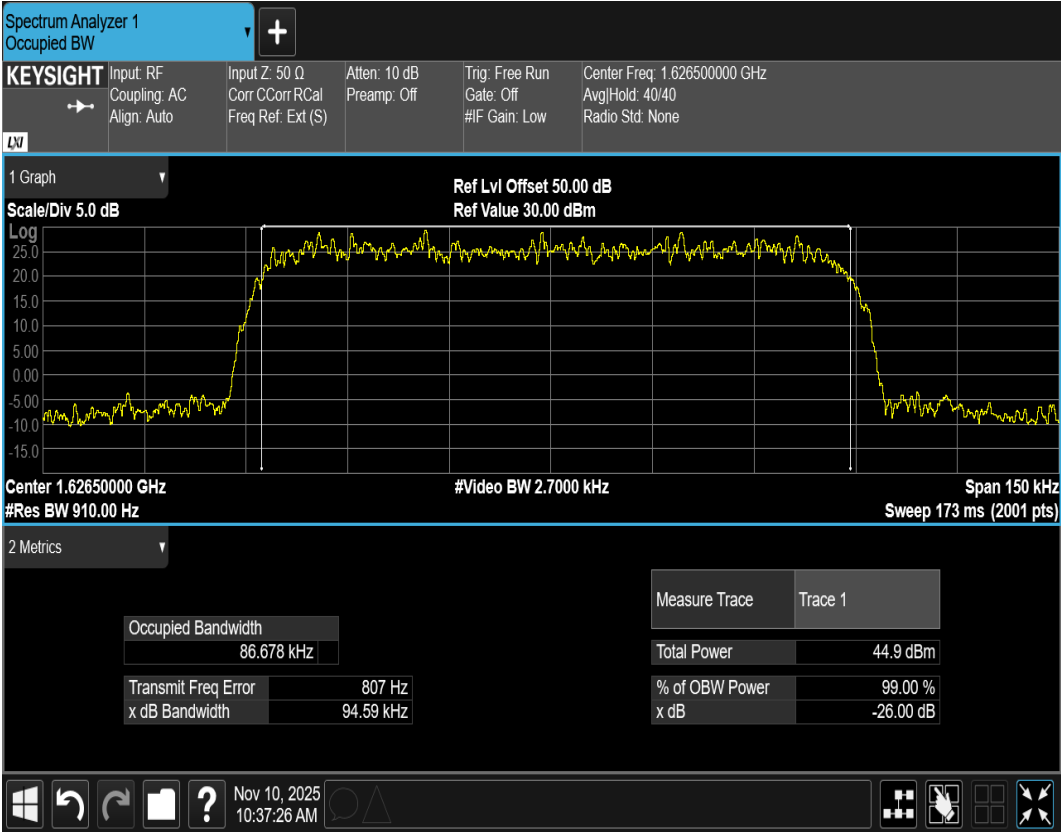


Figure 90 - Bottom Channel, P4-QPSK: 84000 SR

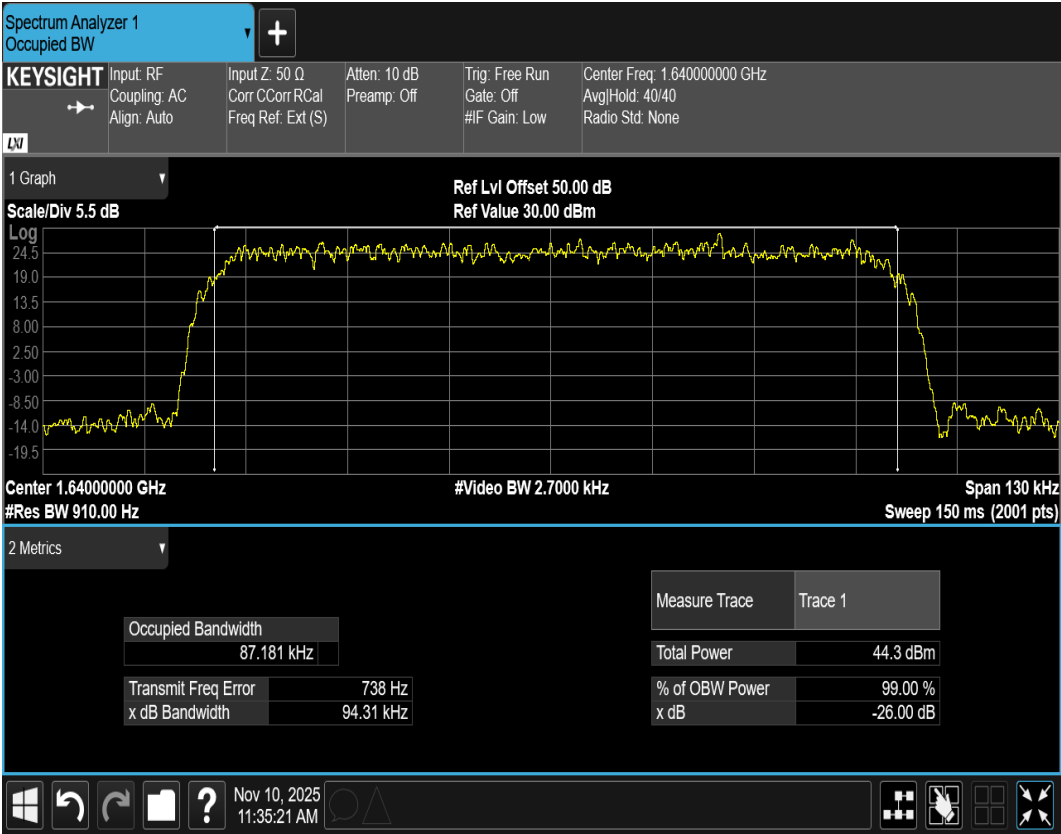


Figure 91 - Middle Channel, P4-QPSK: 84000 SR

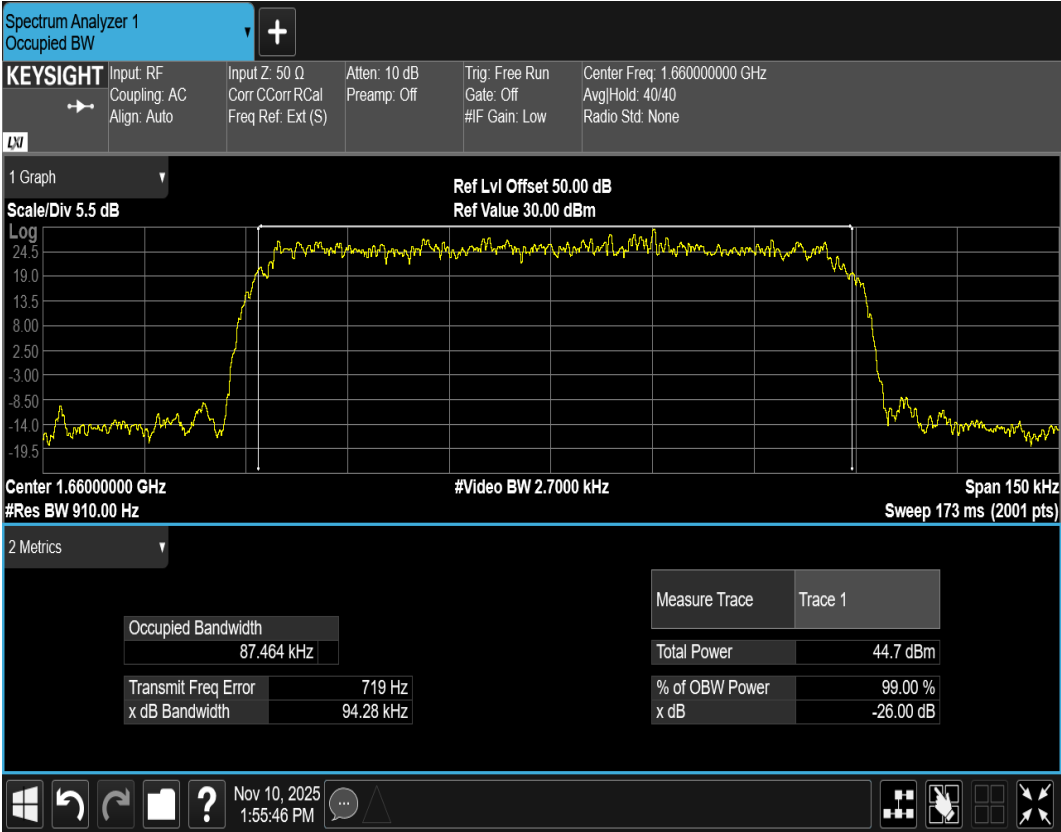


Figure 92 - Top Channel, P4-QPSK: 84000 SR

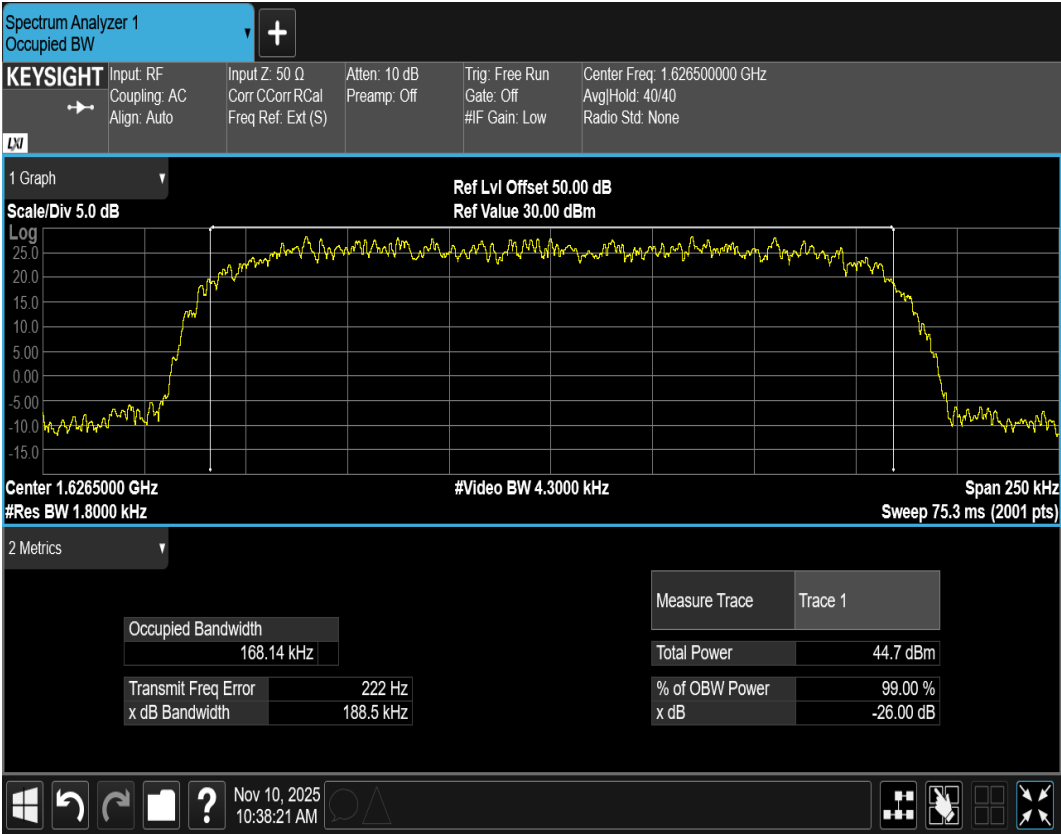


Figure 93 - Bottom Channel, P4-QPSK: 151200 SR

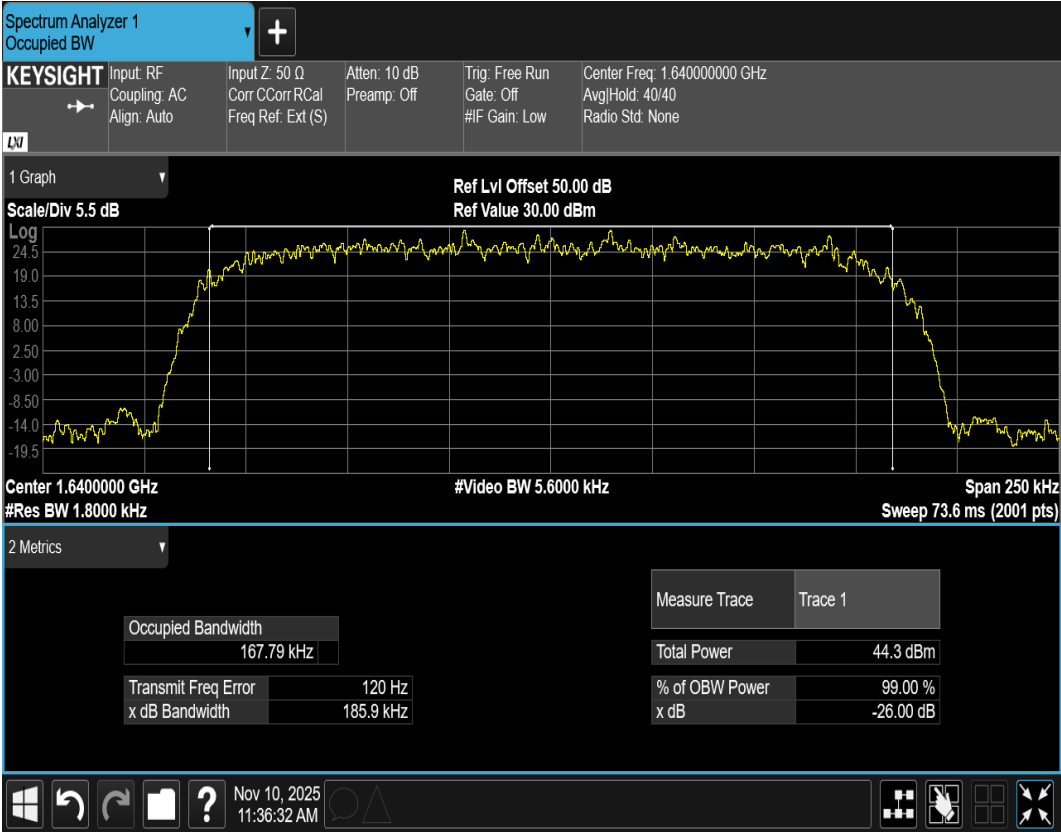


Figure 94 - Middle Channel, P4-QPSK: 151200 SR

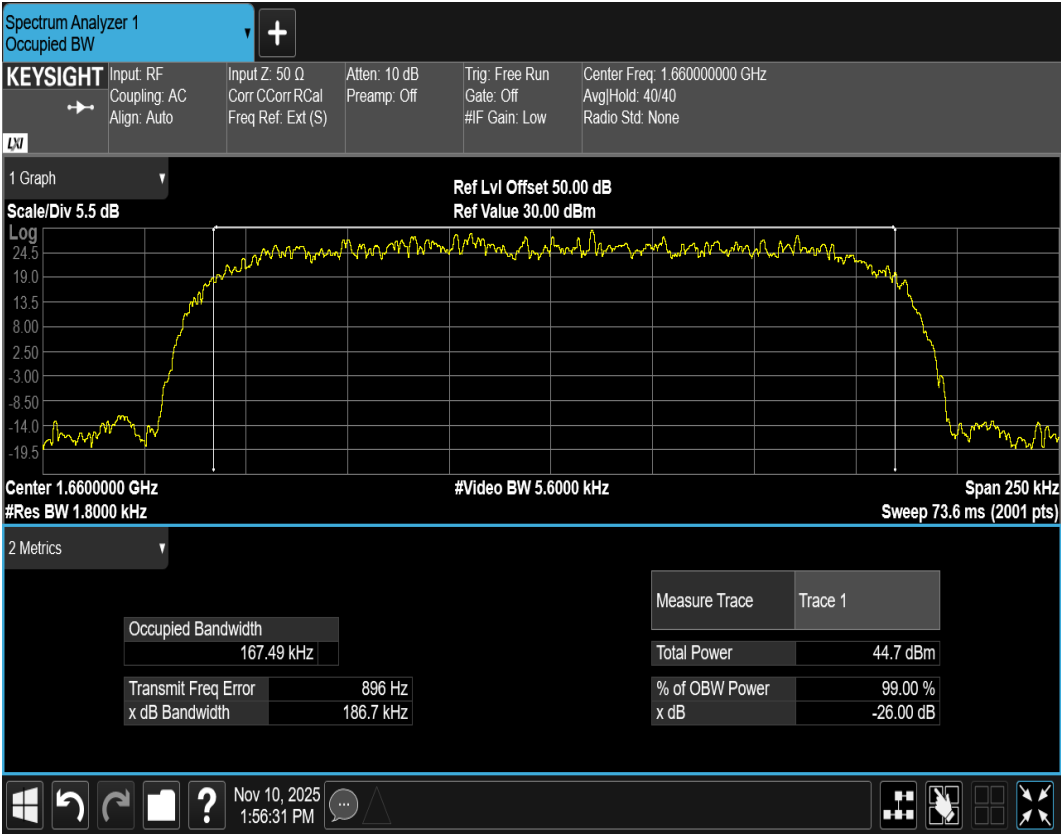


Figure 95 - Top Channel, P4-QPSK: 151200 SR

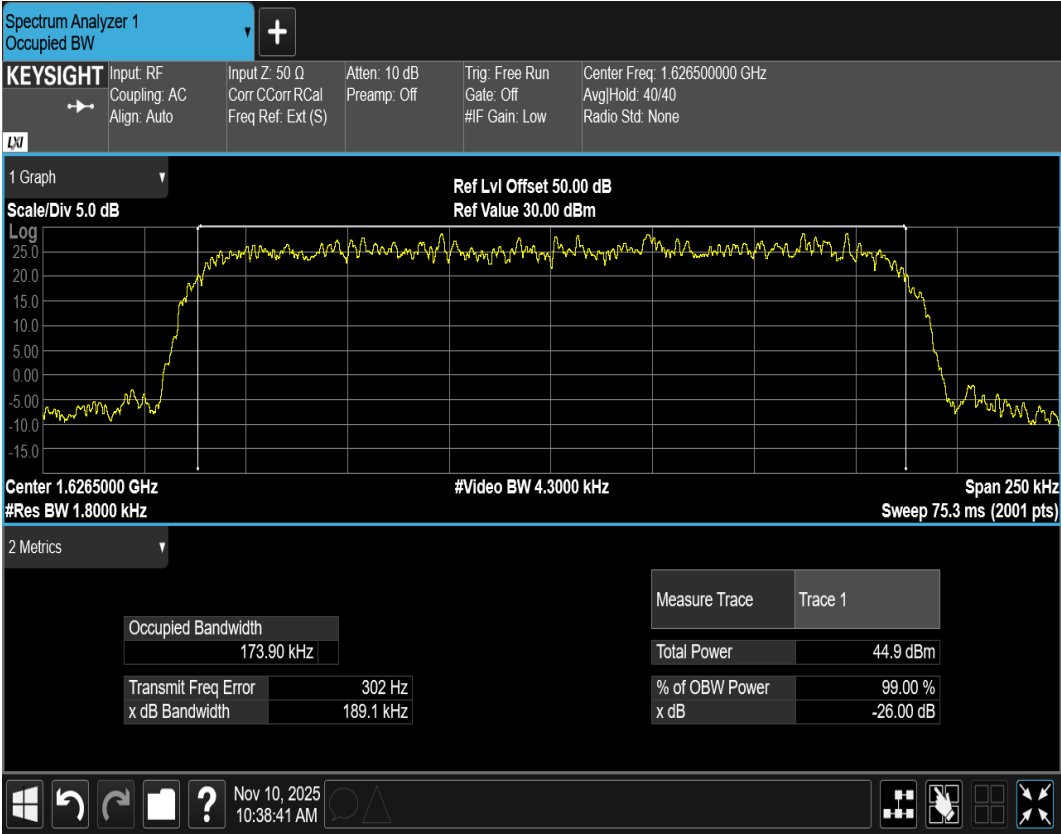


Figure 96 - Bottom Channel, P4-QPSK: 168000 SR

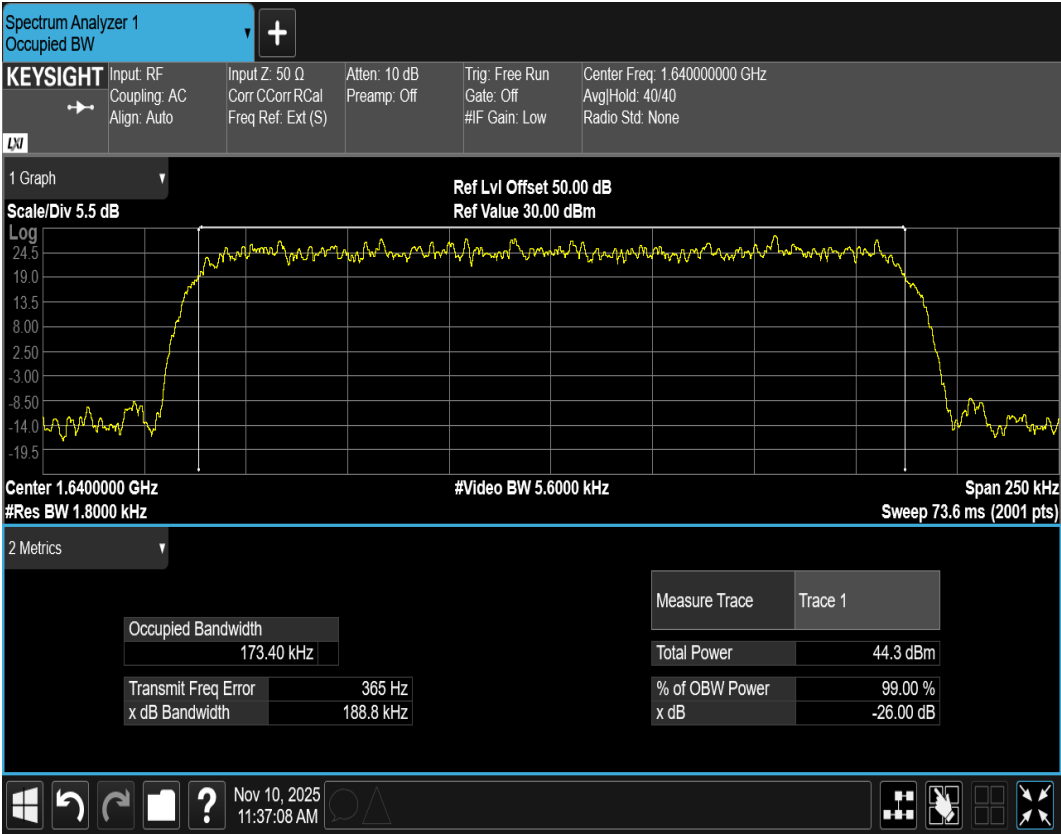


Figure 97 - Middle Channel, P4-QPSK: 168000 SR

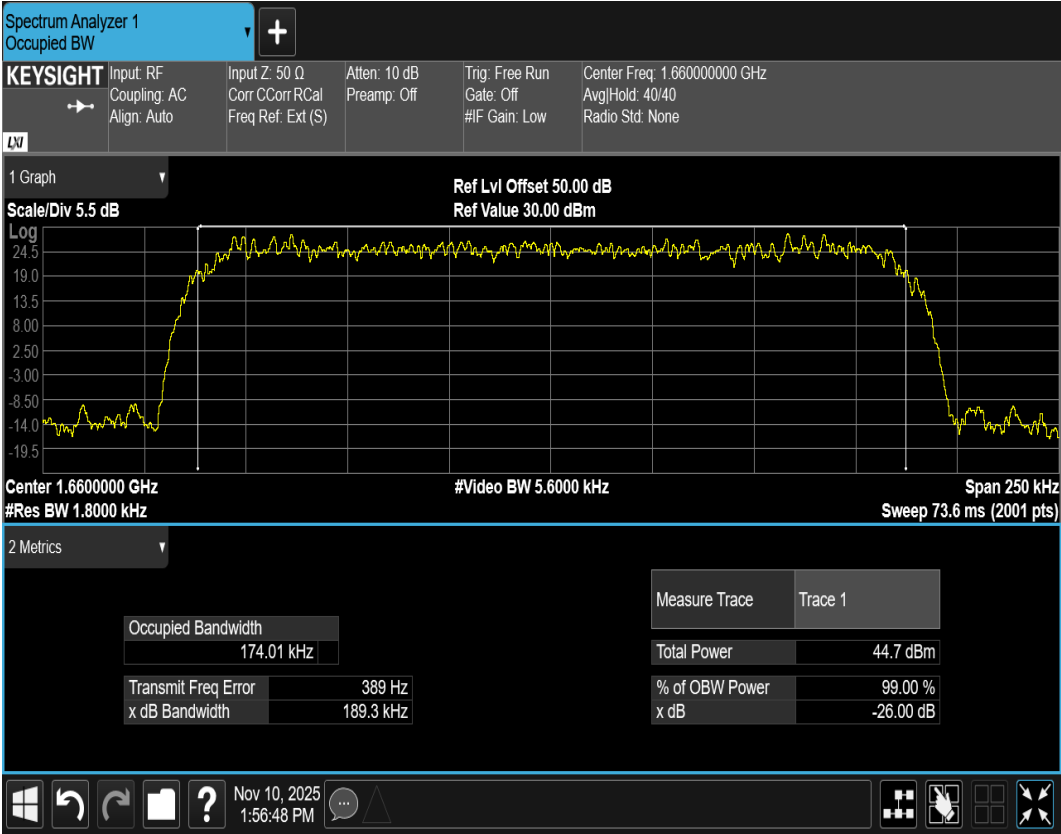


Figure 98 - Top Channel, P4-QPSK: 168000 SR

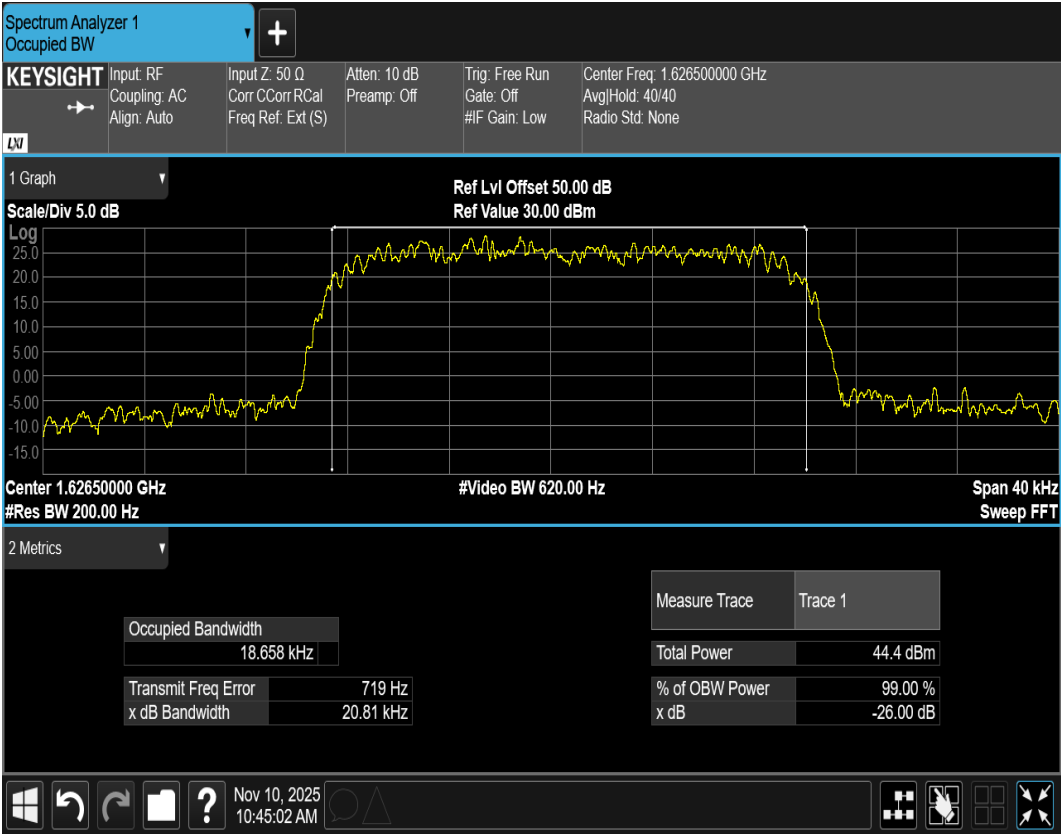


Figure 99 - Bottom Channel, 16-QAM: 16800 SR

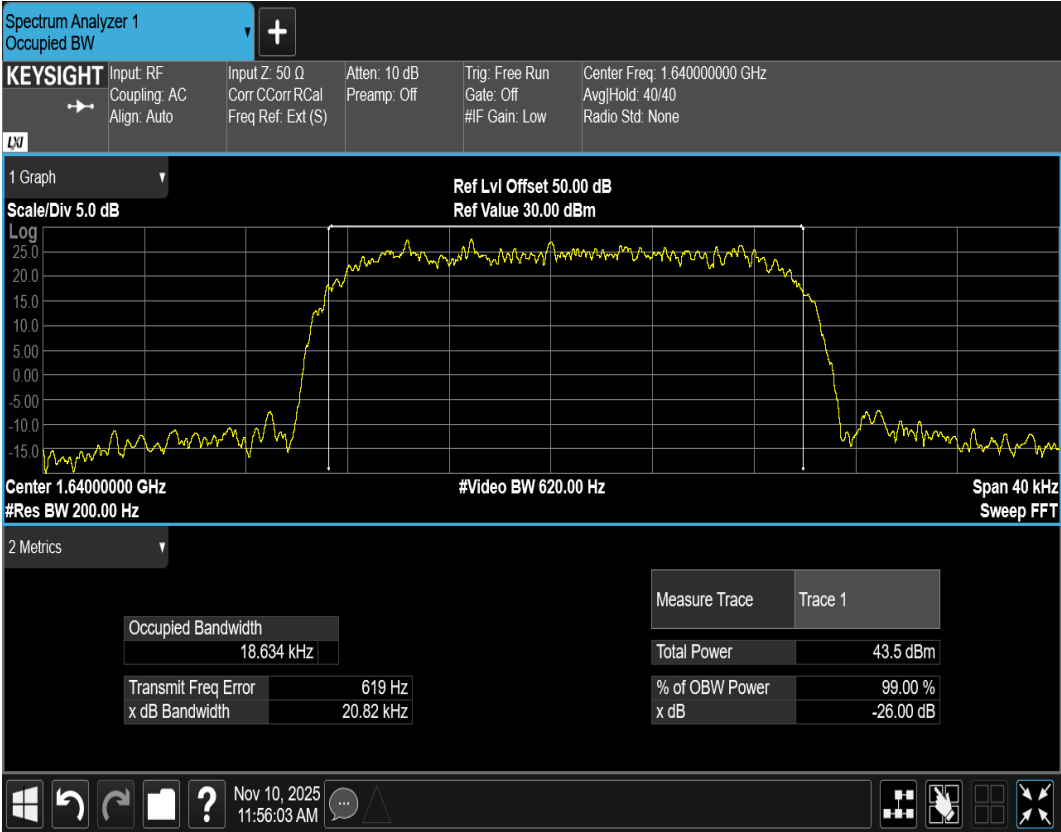


Figure 100 - Middle Channel, 16-QAM: 16800 SR

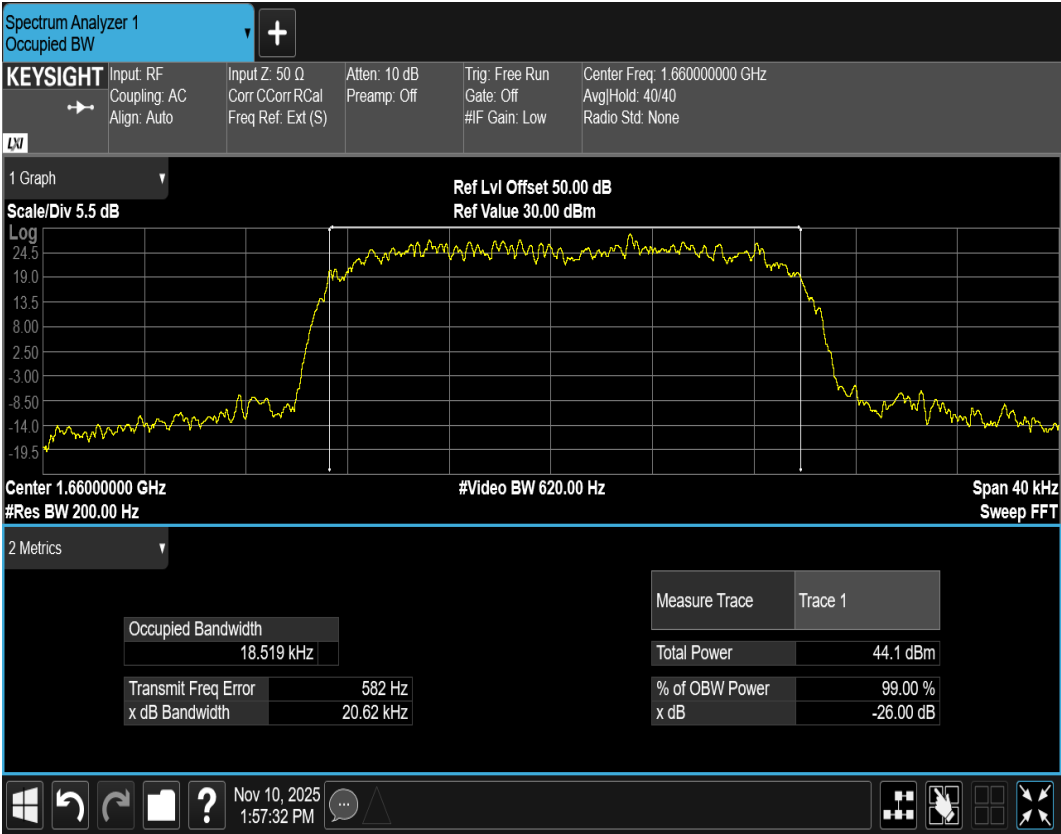


Figure 101 - Top Channel, 16-QAM: 16800 SR

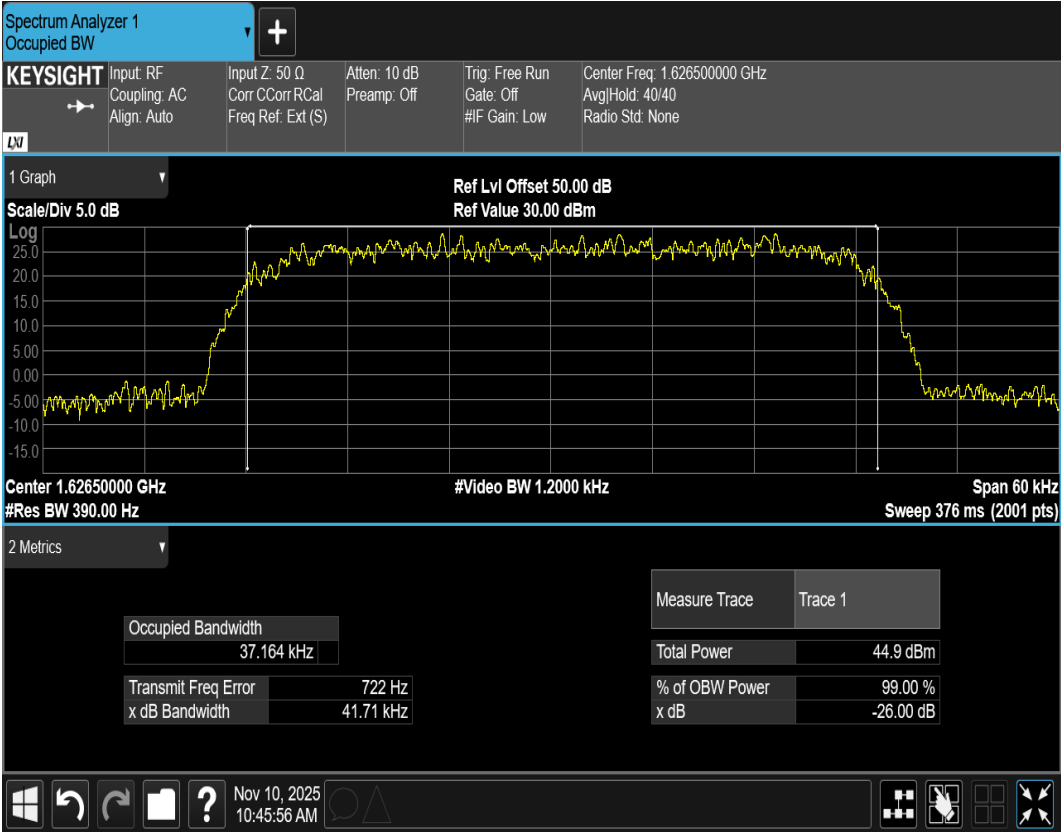


Figure 102 - Bottom Channel, 16-QAM: 33000 SR

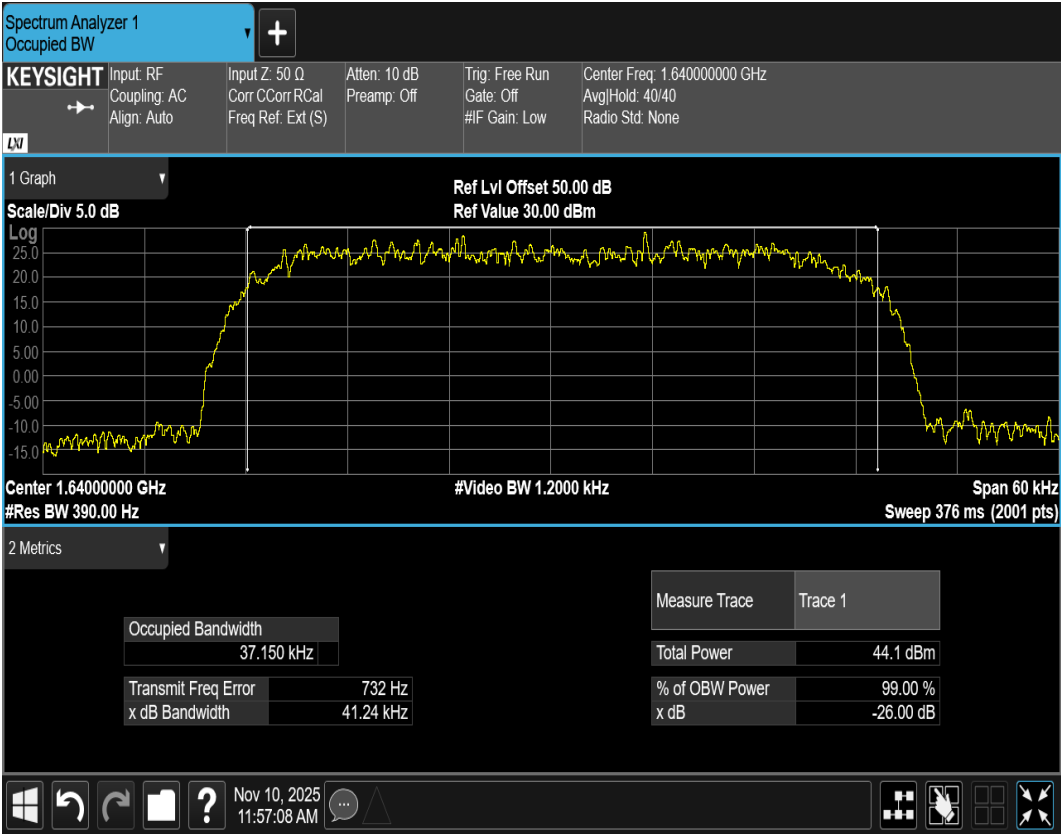


Figure 103 - Middle Channel, 16-QAM: 33000 SR

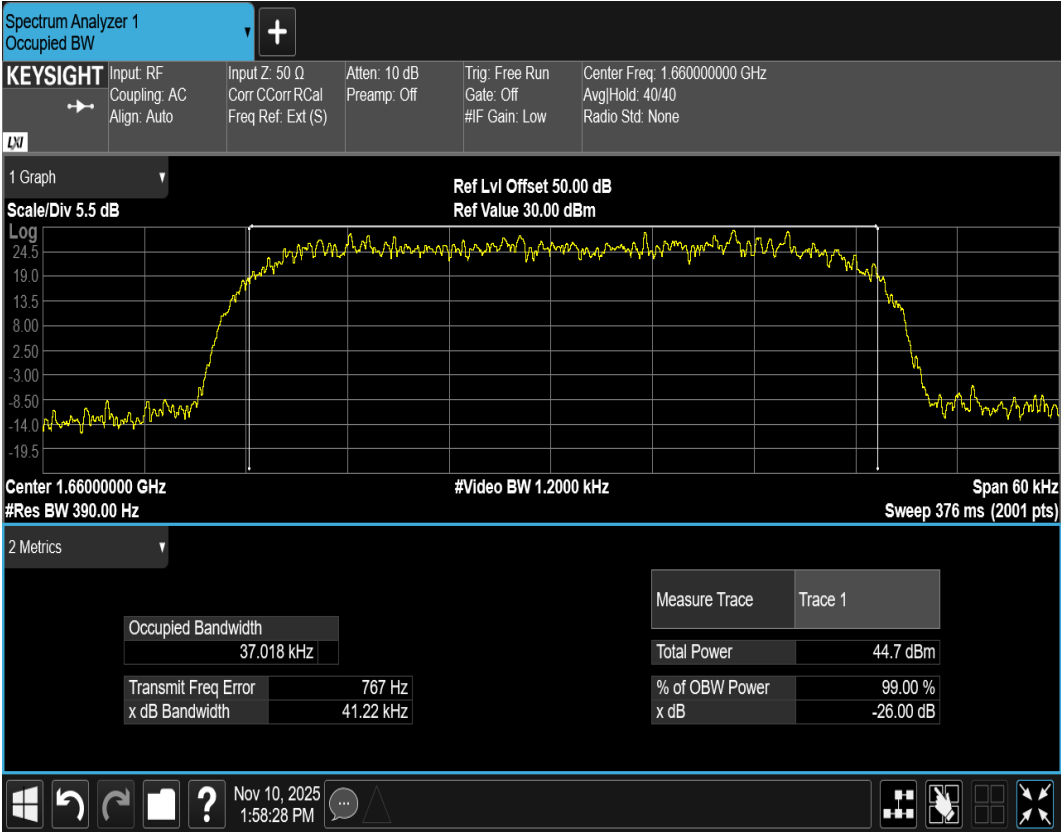


Figure 104 - Top Channel, 16-QAM: 33000 SR

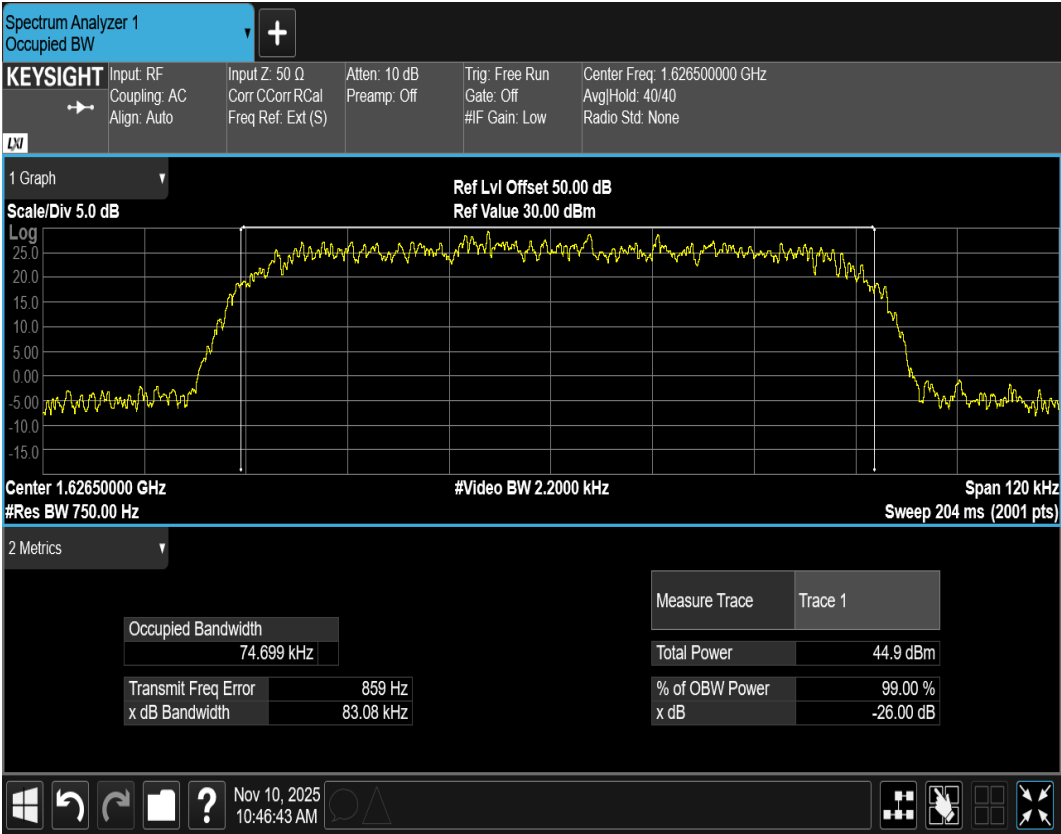


Figure 105 - Bottom Channel, 16-QAM: 67200 SR

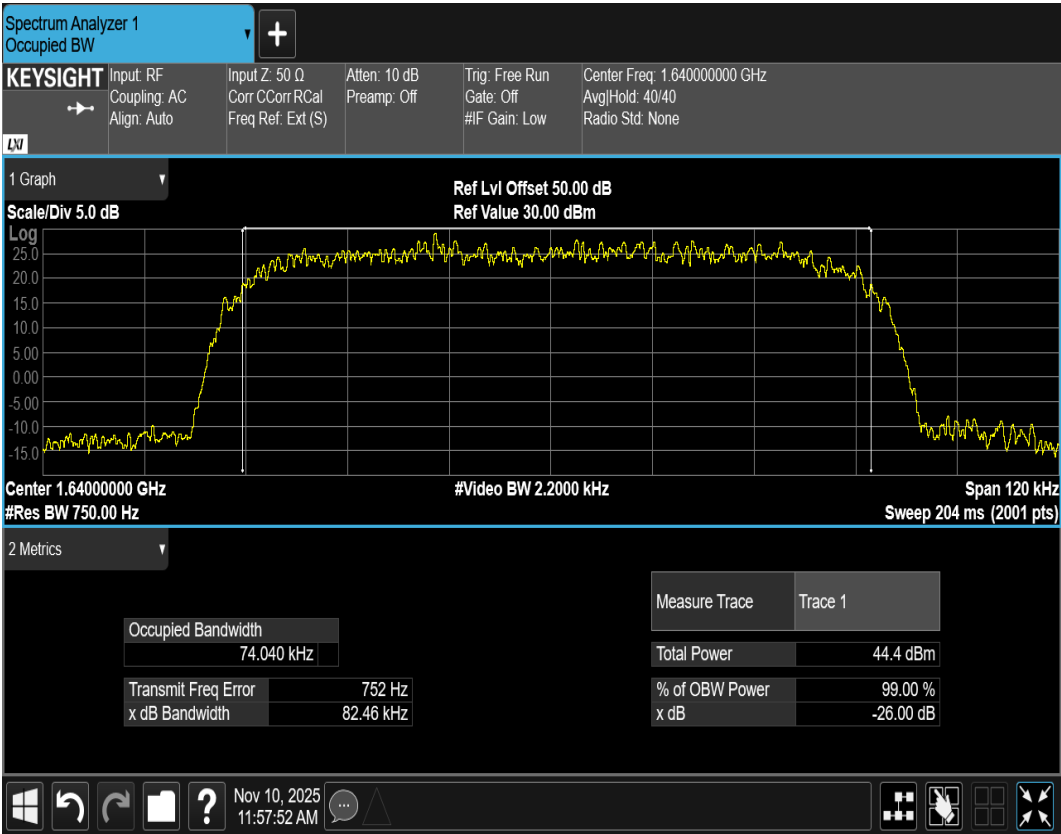


Figure 106 - Middle Channel, 16-QAM: 67200 SR

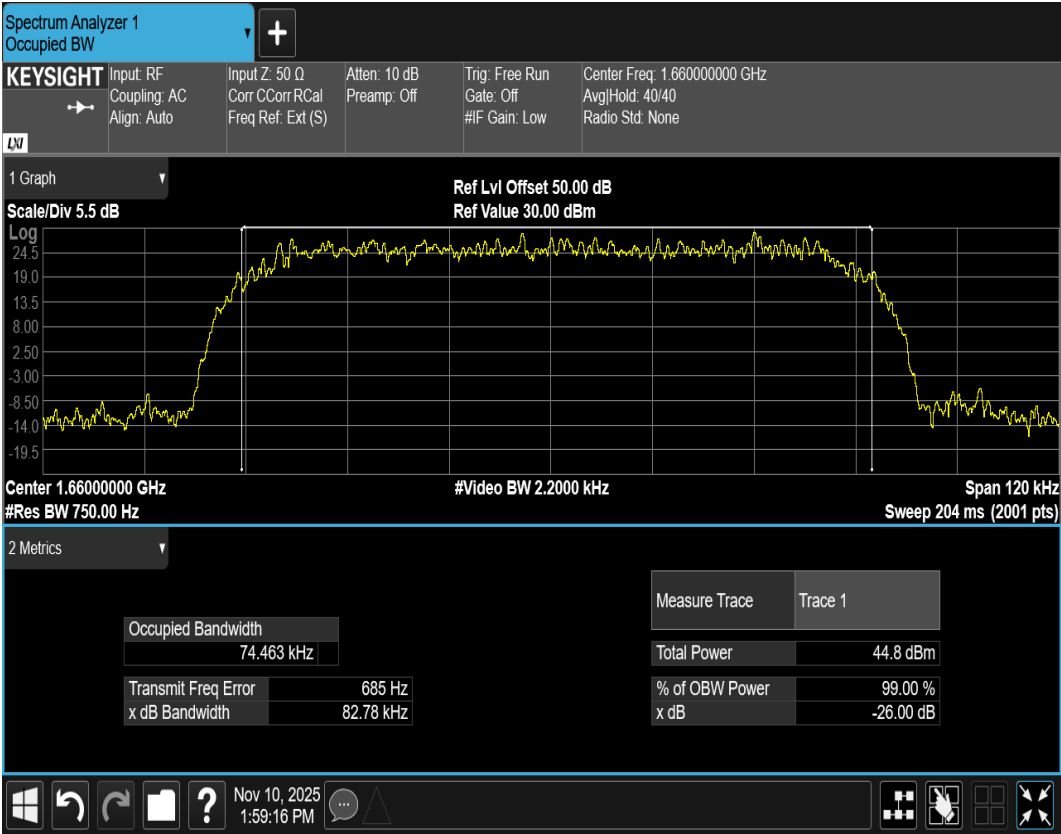


Figure 107 - Top Channel, 16-QAM: 67200 SR

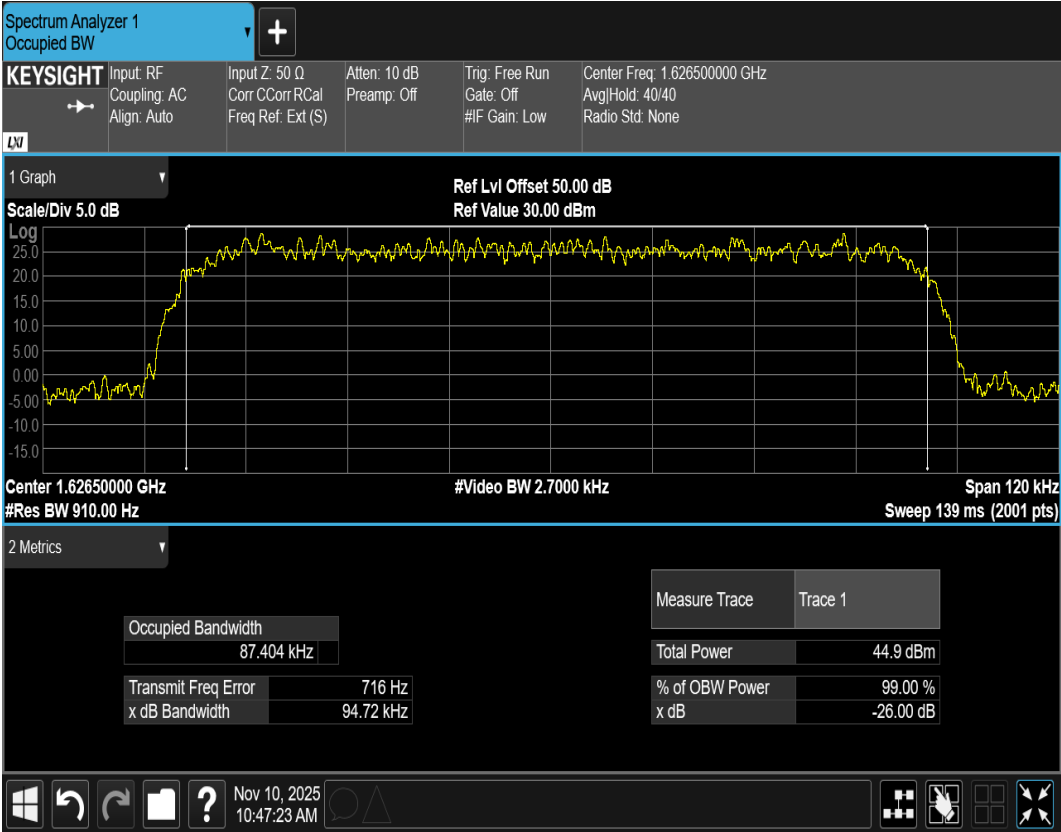


Figure 108 - Bottom Channel, 16-QAM: 84000 SR

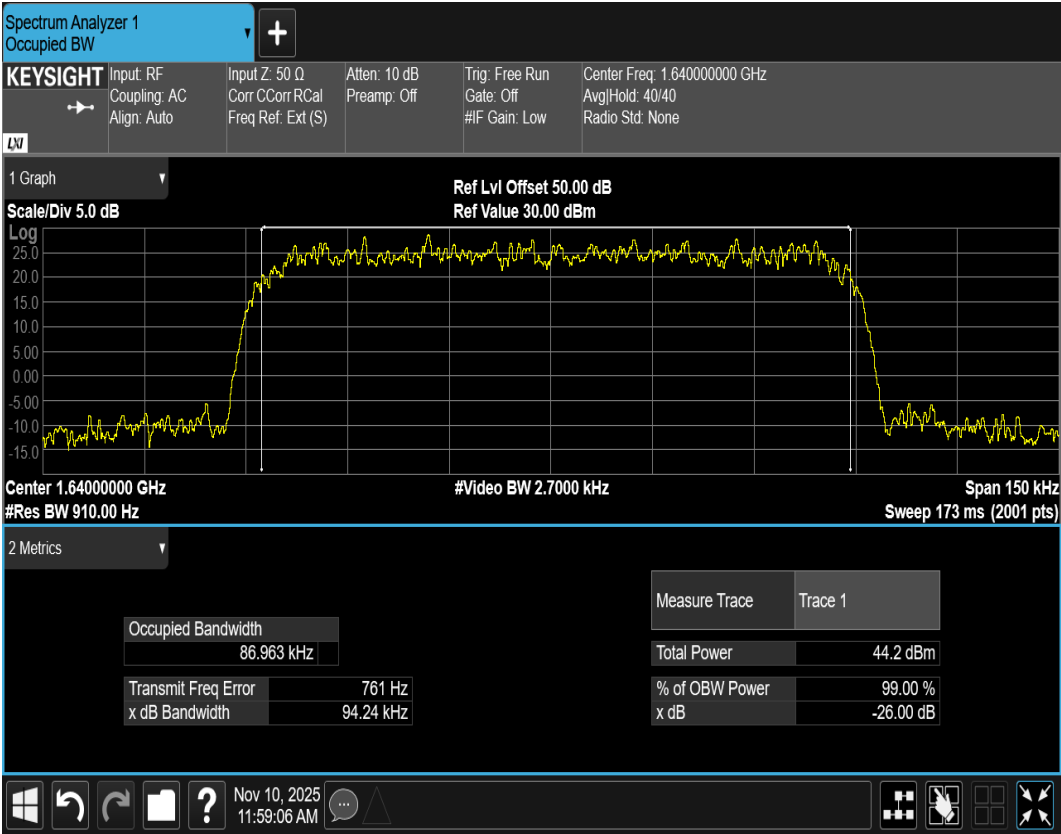


Figure 109 - Middle Channel, 16-QAM: 84000 SR

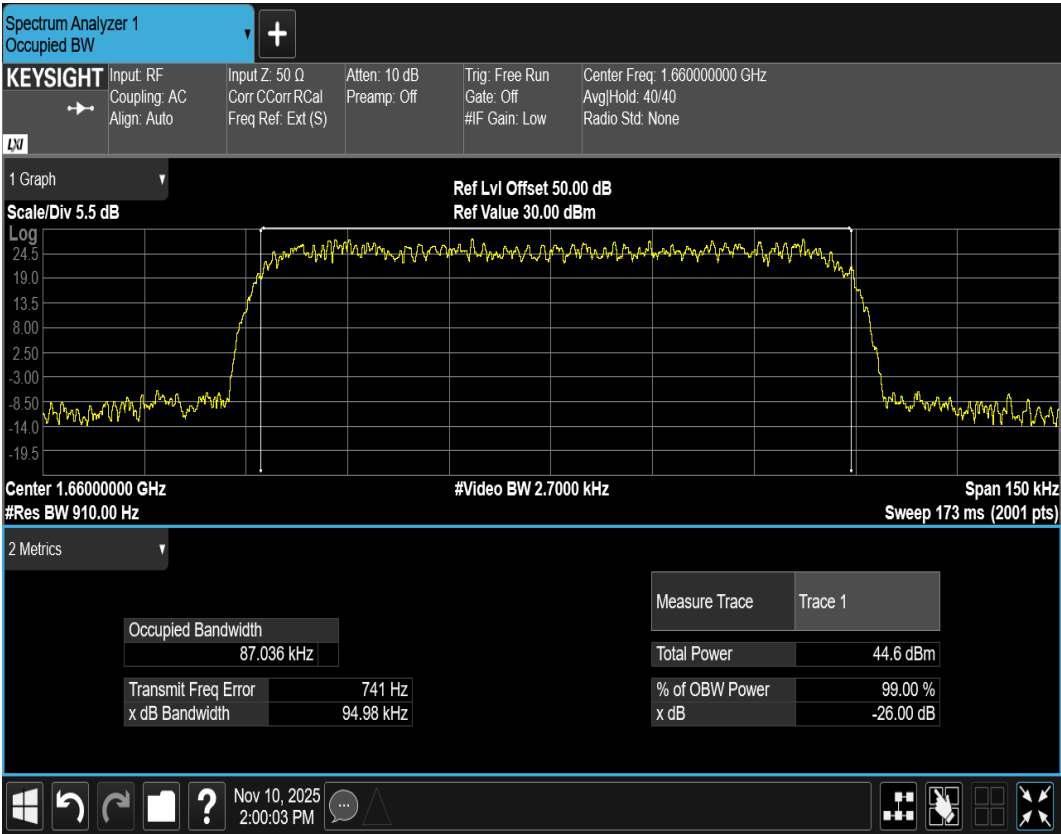


Figure 110 - Top Channel, 16-QAM: 84000 SR

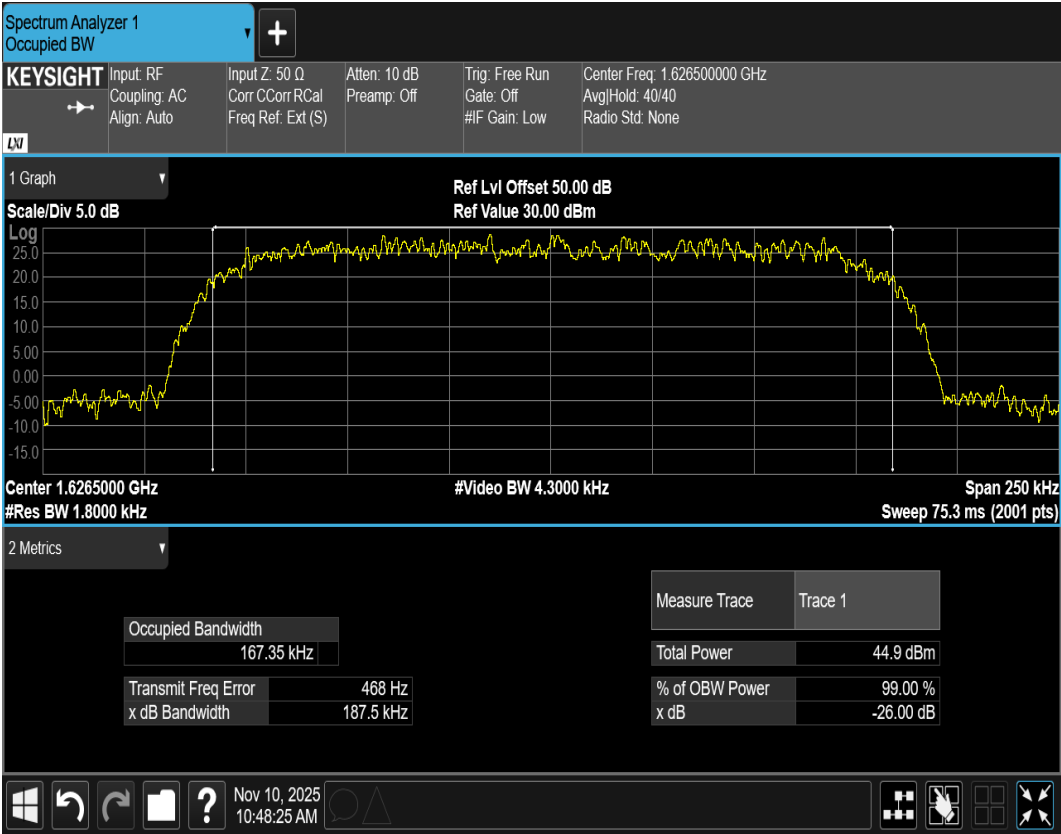


Figure 111- Bottom Channel, 16-QAM: 151200 SR

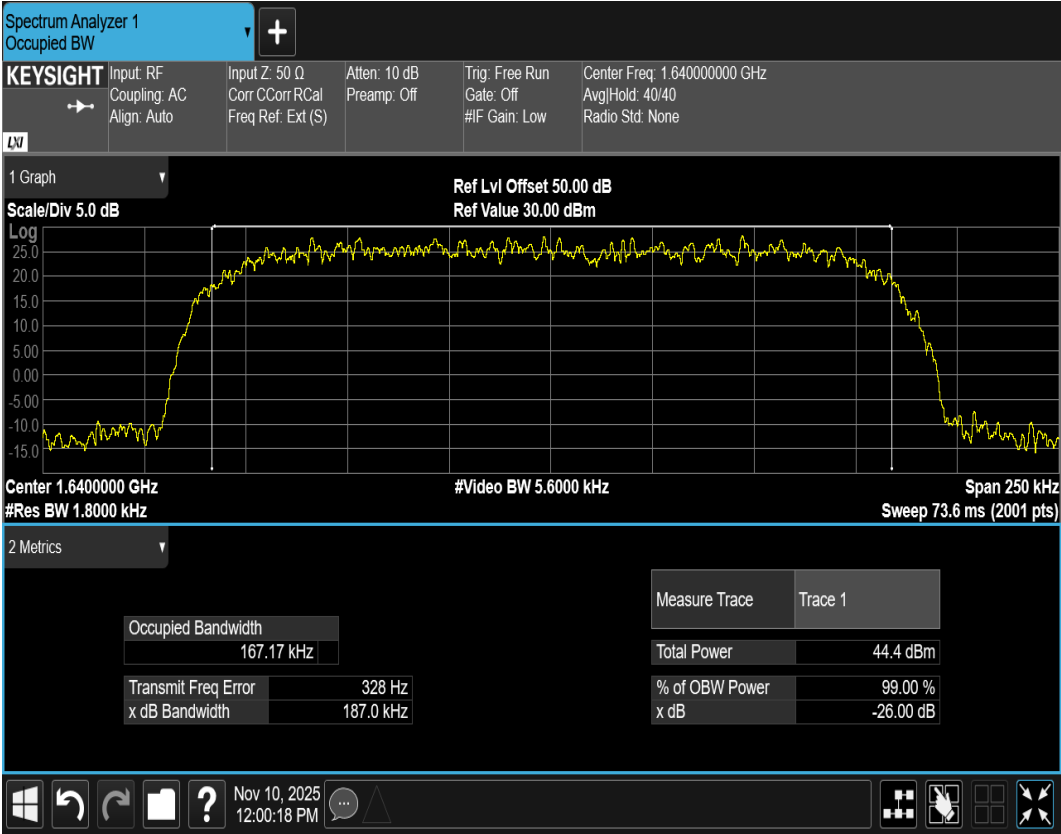


Figure 112 - Middle Channel, 16-QAM: 151200 SR

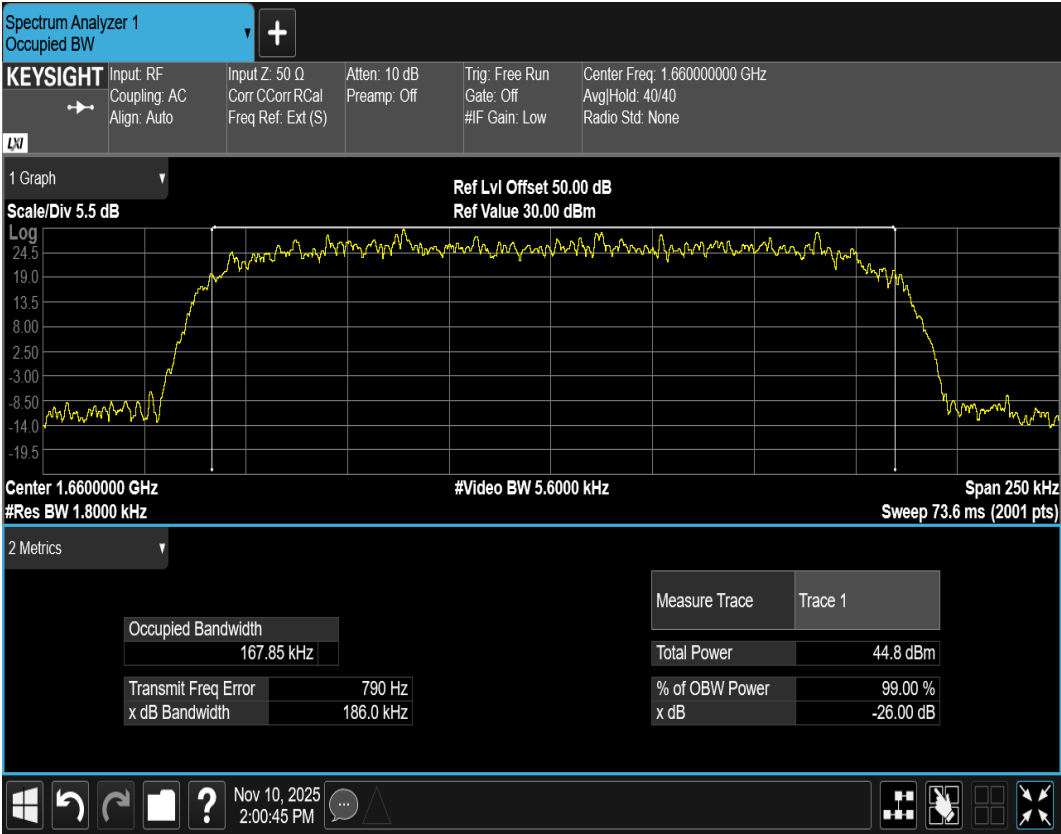


Figure 113 - Top Channel, 16-QAM: 151200 SR

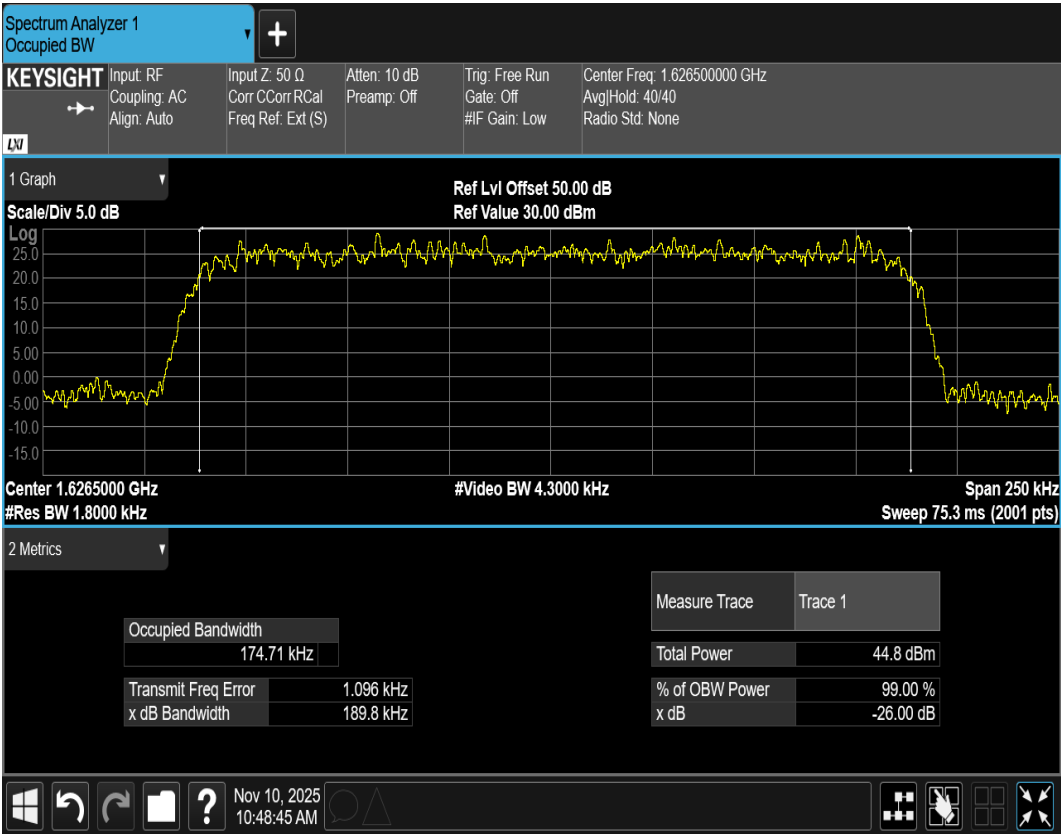


Figure 114 - Bottom Channel, 16-QAM: 168000 SR

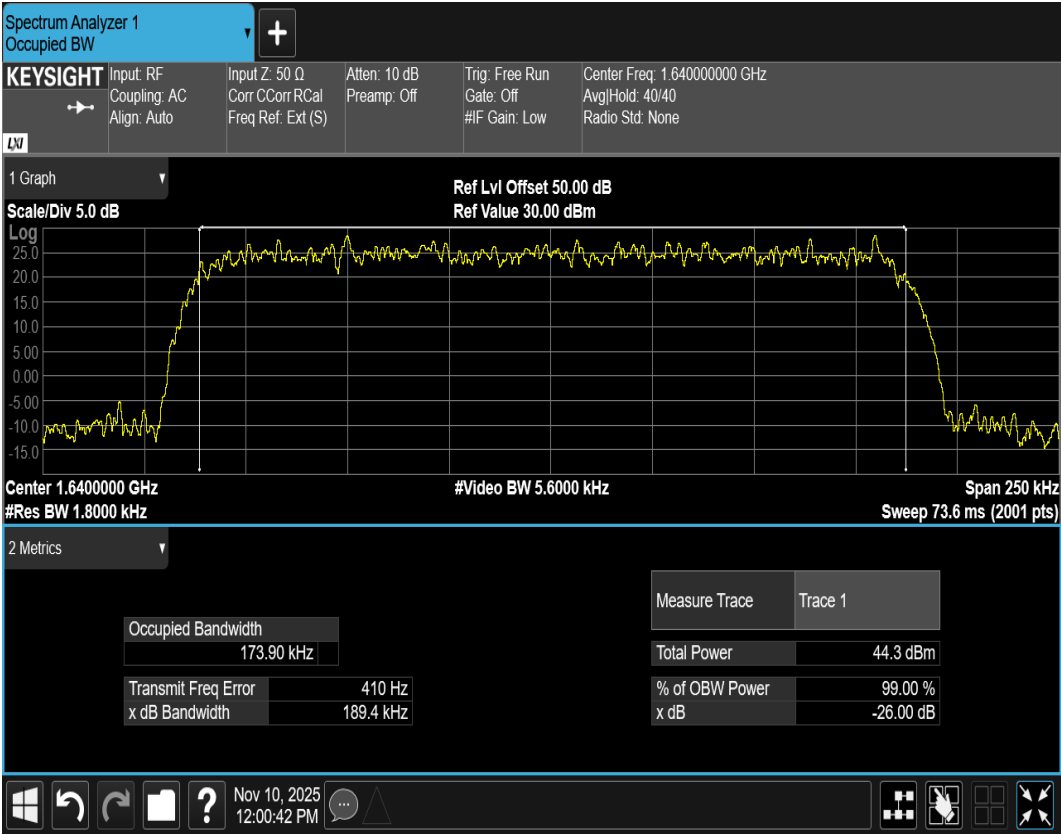


Figure 115 - Middle Channel, 16-QAM: 168000 SR

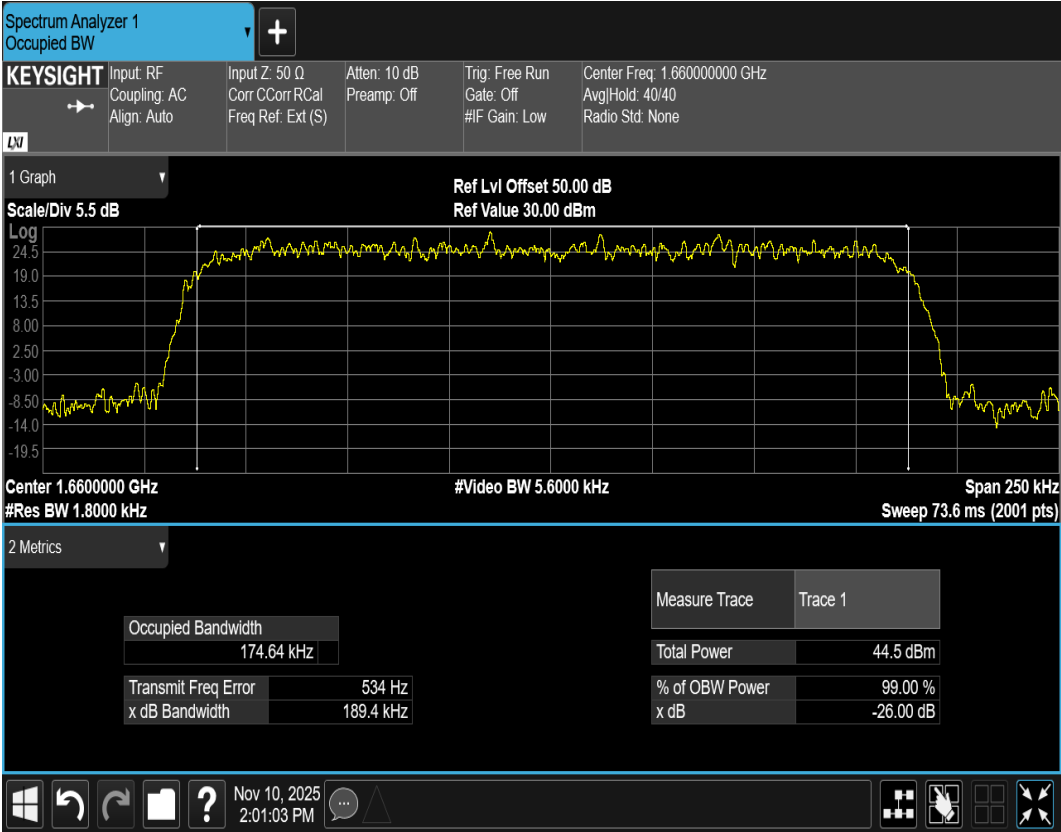


Figure 116 - Top Channel, 16-QAM: 168000 SR

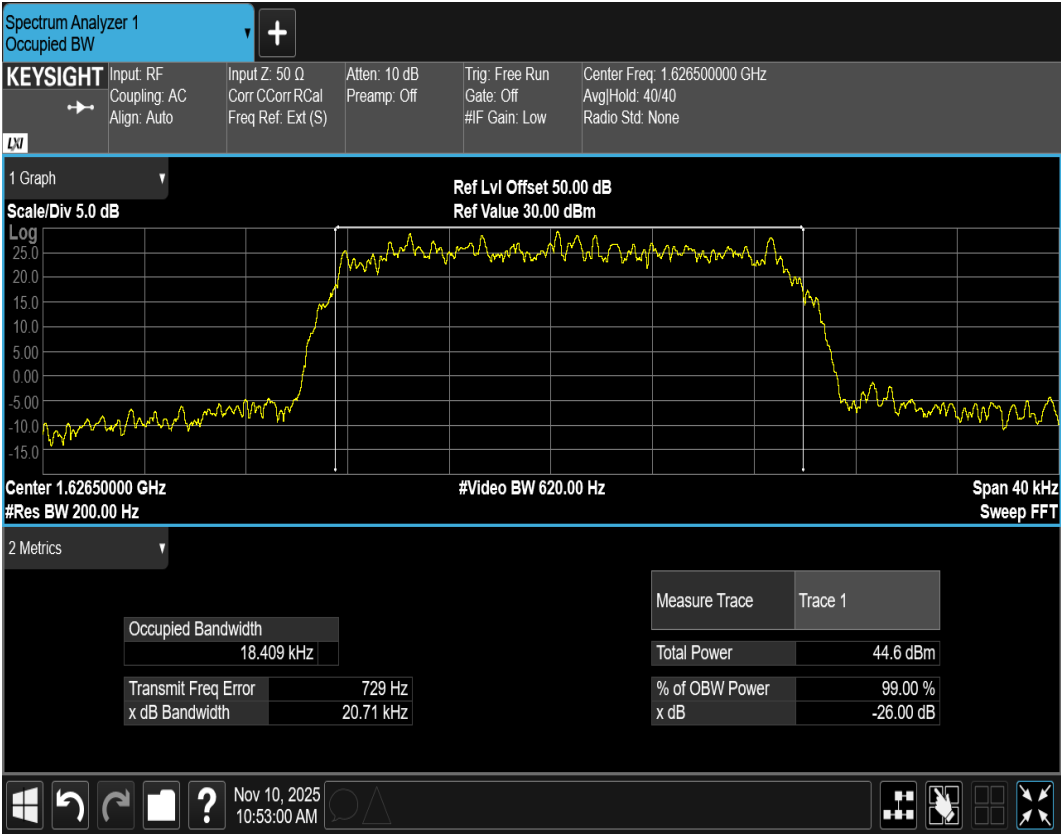


Figure 117 - Bottom Channel, 32-QAM: 16800 SR

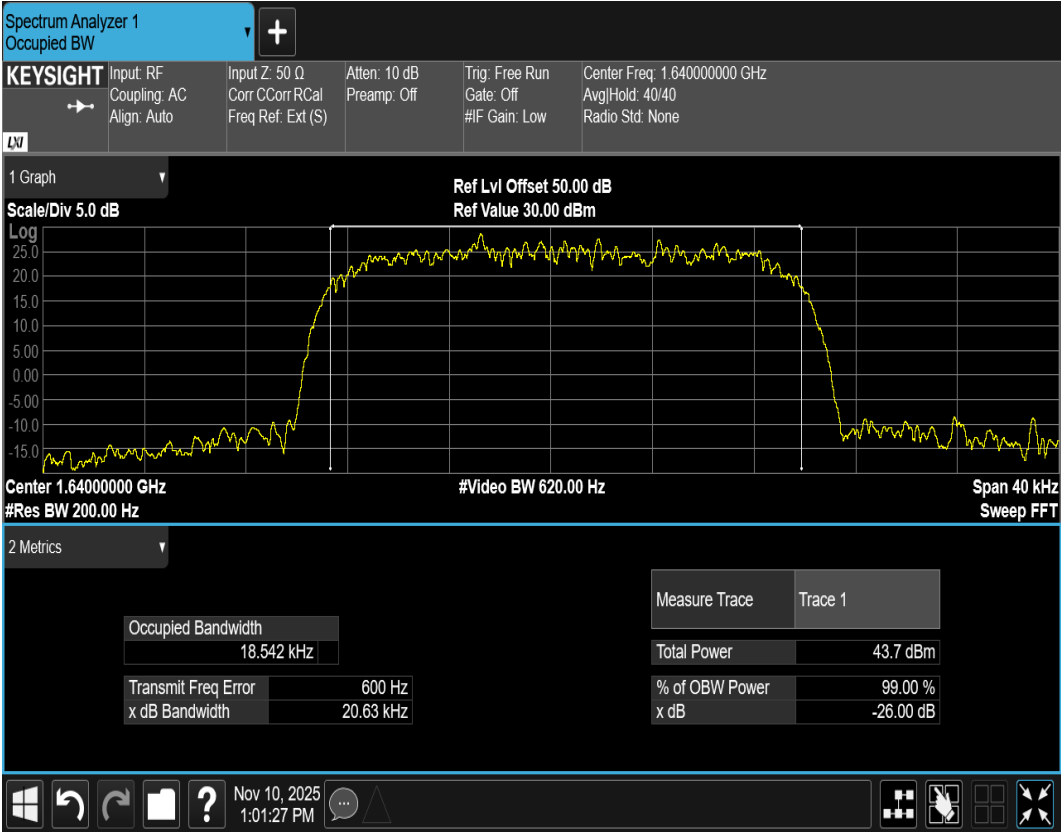


Figure 118 - Middle Channel, 32-QAM: 16800 SR

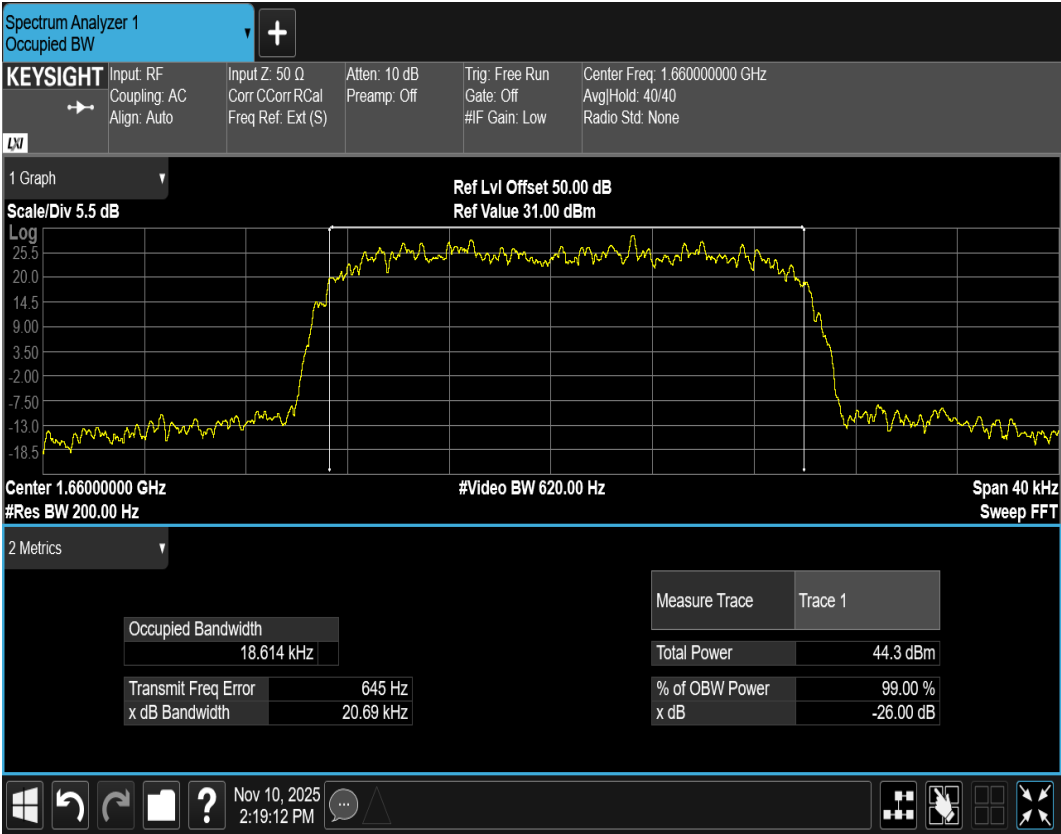


Figure 119 - Top Channel, 32-QAM: 16800 SR

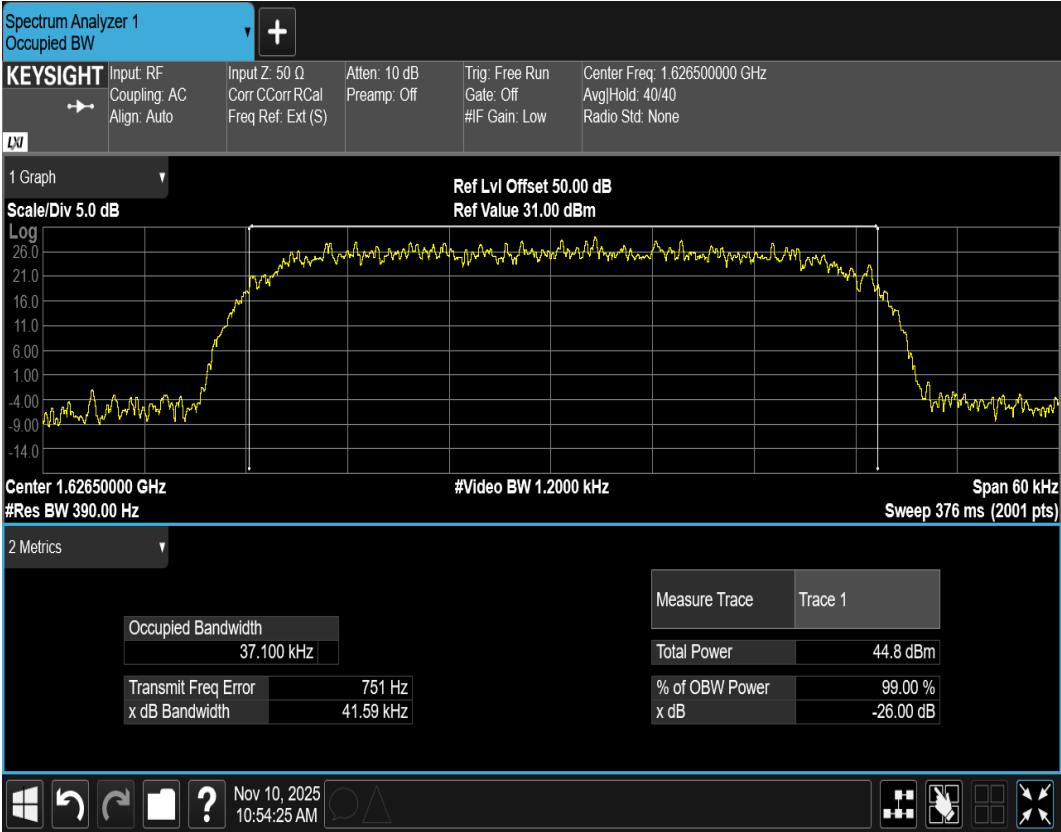


Figure 120 - Bottom Channel, 32-QAM: 33000 SR

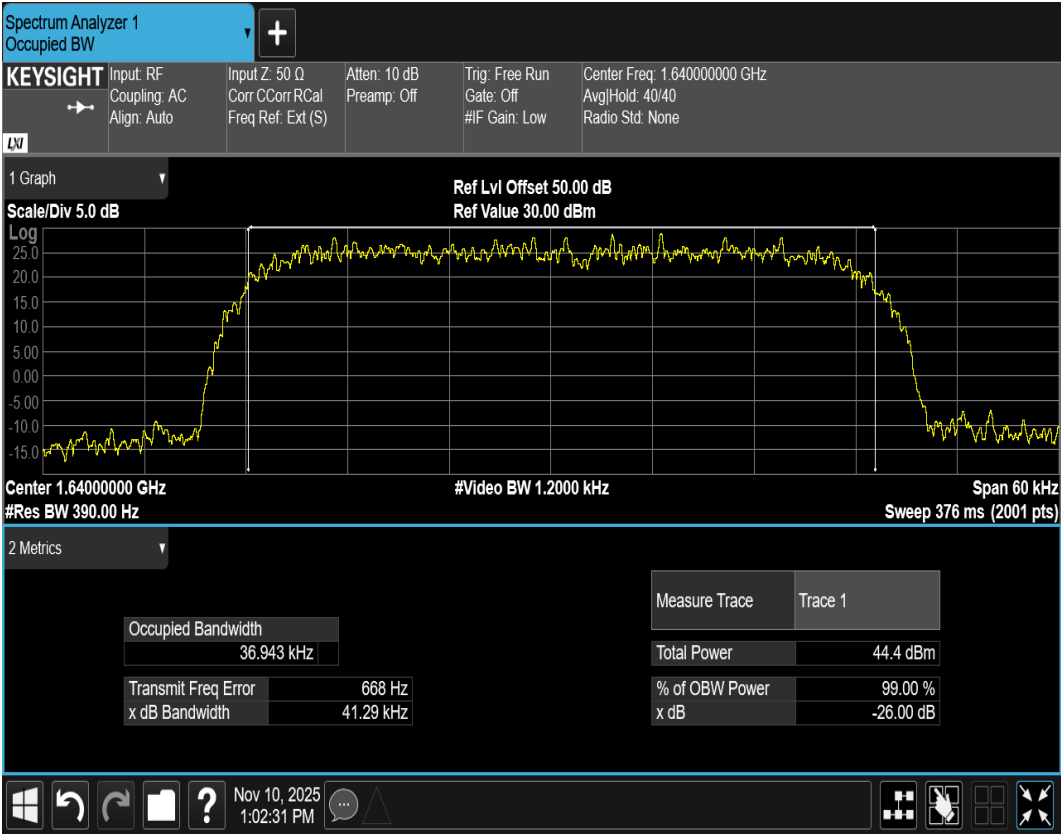


Figure 121 - Middle Channel, 32-QAM: 33000 SR

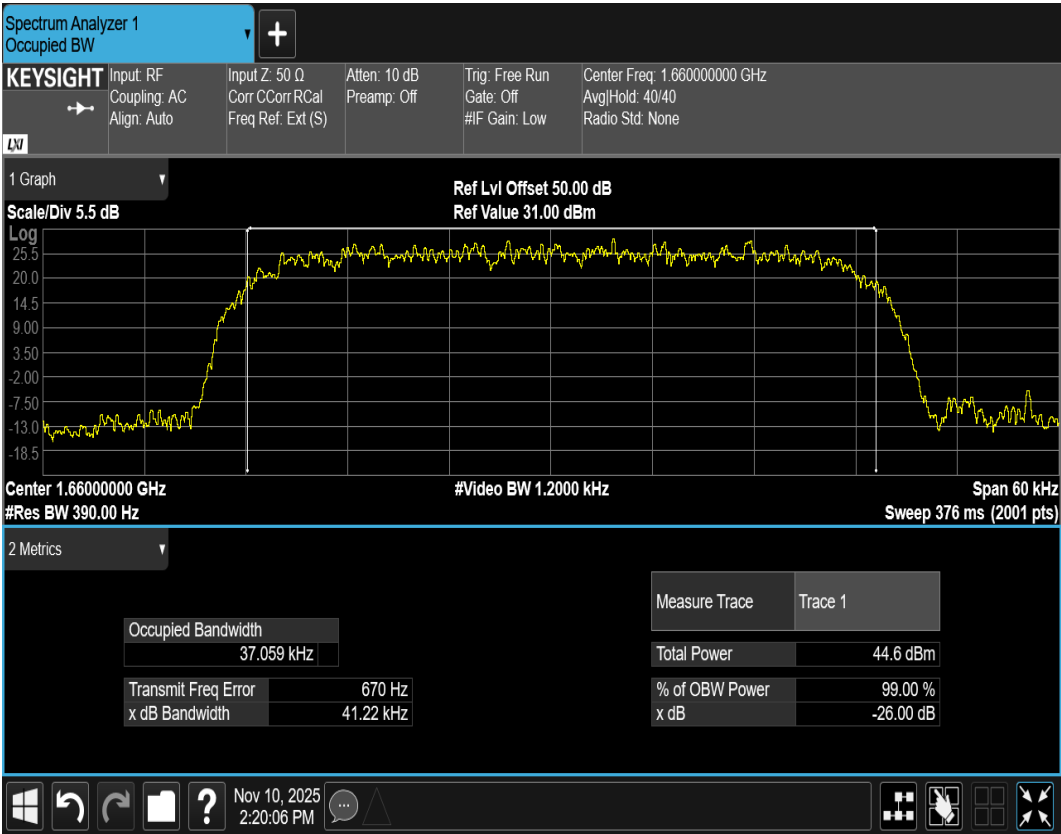


Figure 122 - Top Channel, 32-QAM: 33000 SR

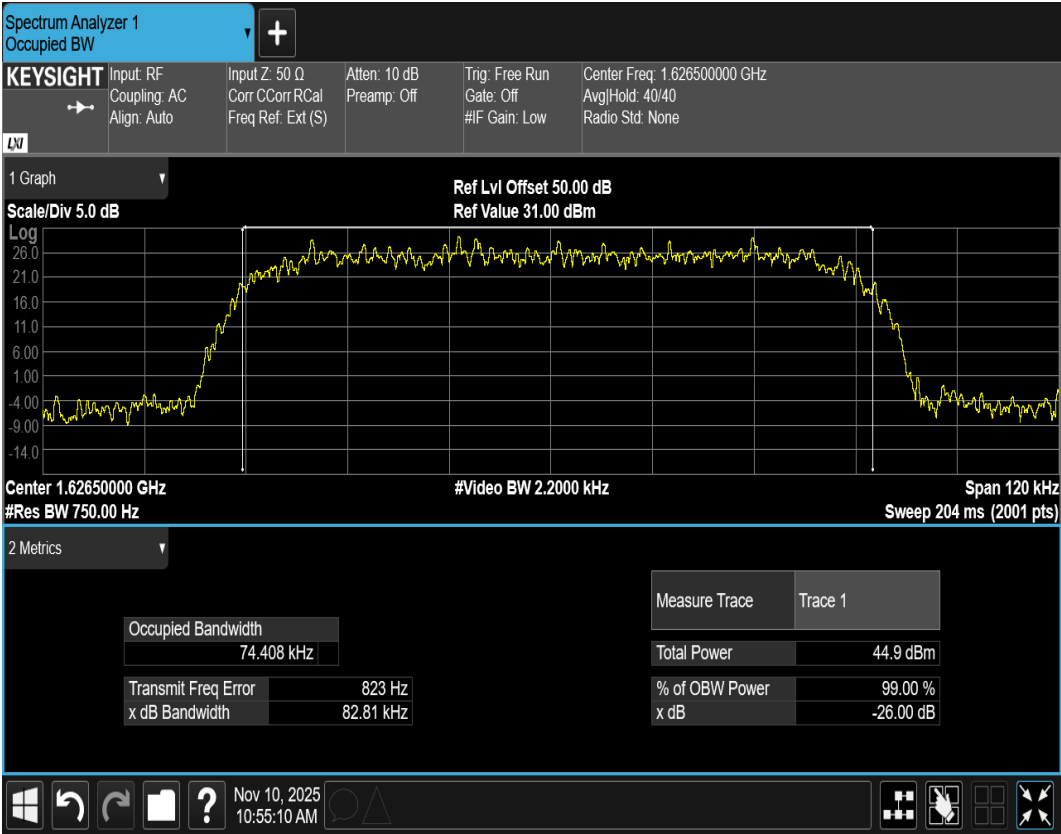


Figure 123 - Bottom Channel, 32-QAM: 67200 SR

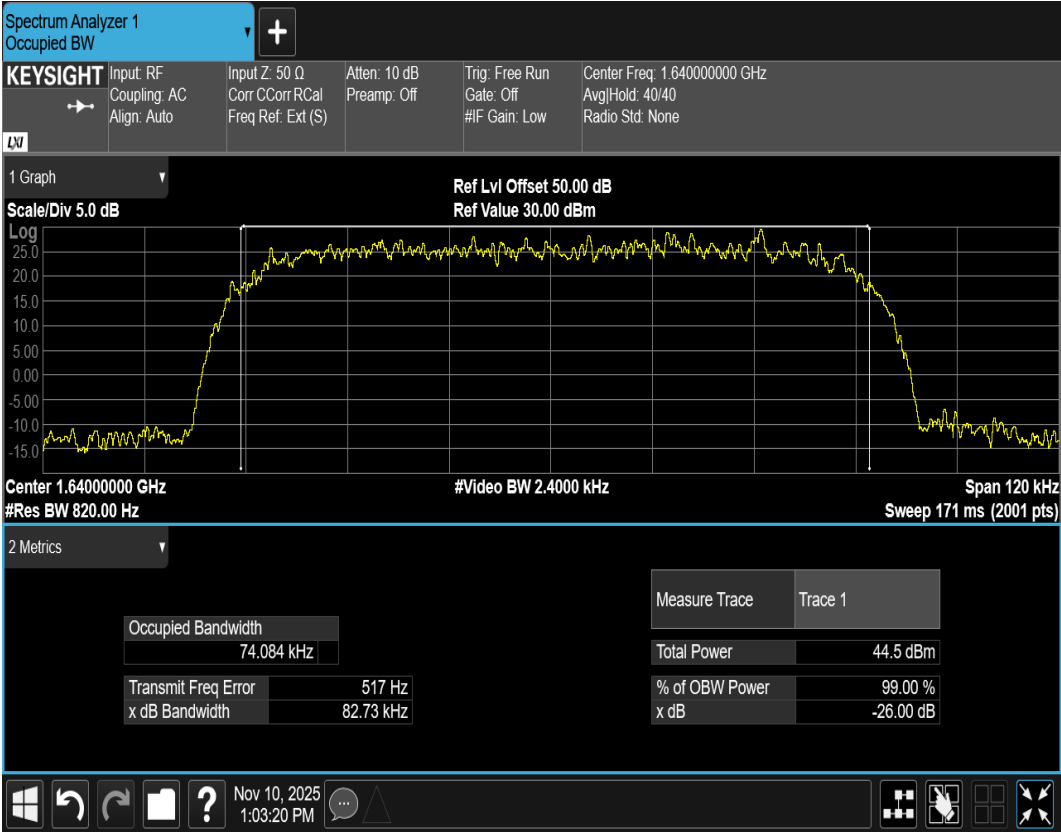


Figure 124 - Middle Channel, 32-QAM: 67200 SR

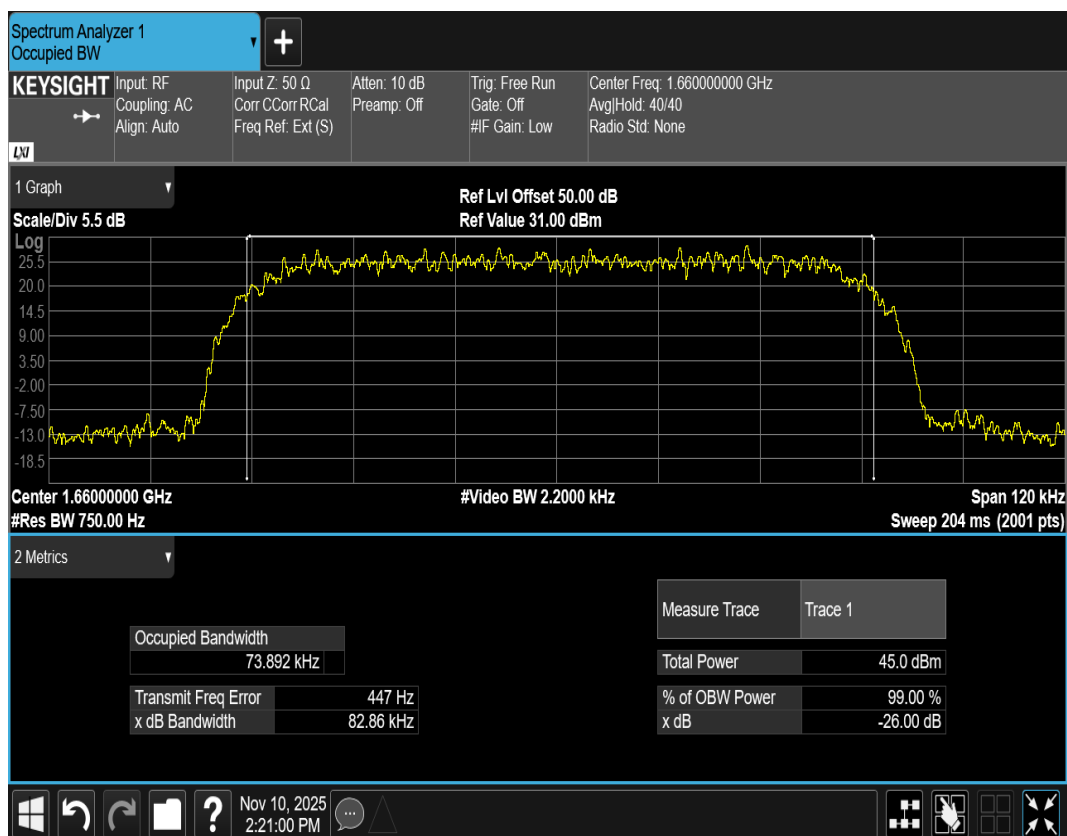


Figure 125 - Top Channel, 32-QAM: 67200 SR

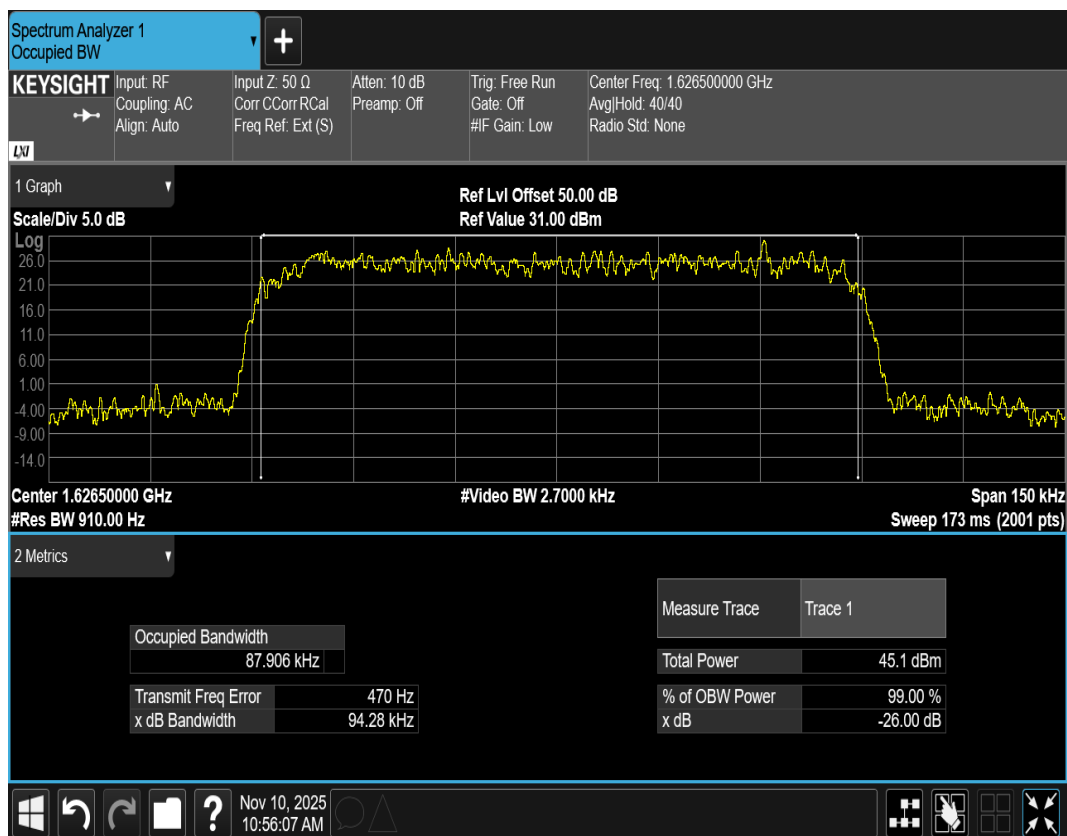


Figure 126 - Bottom Channel, 32-QAM: 84000 SR

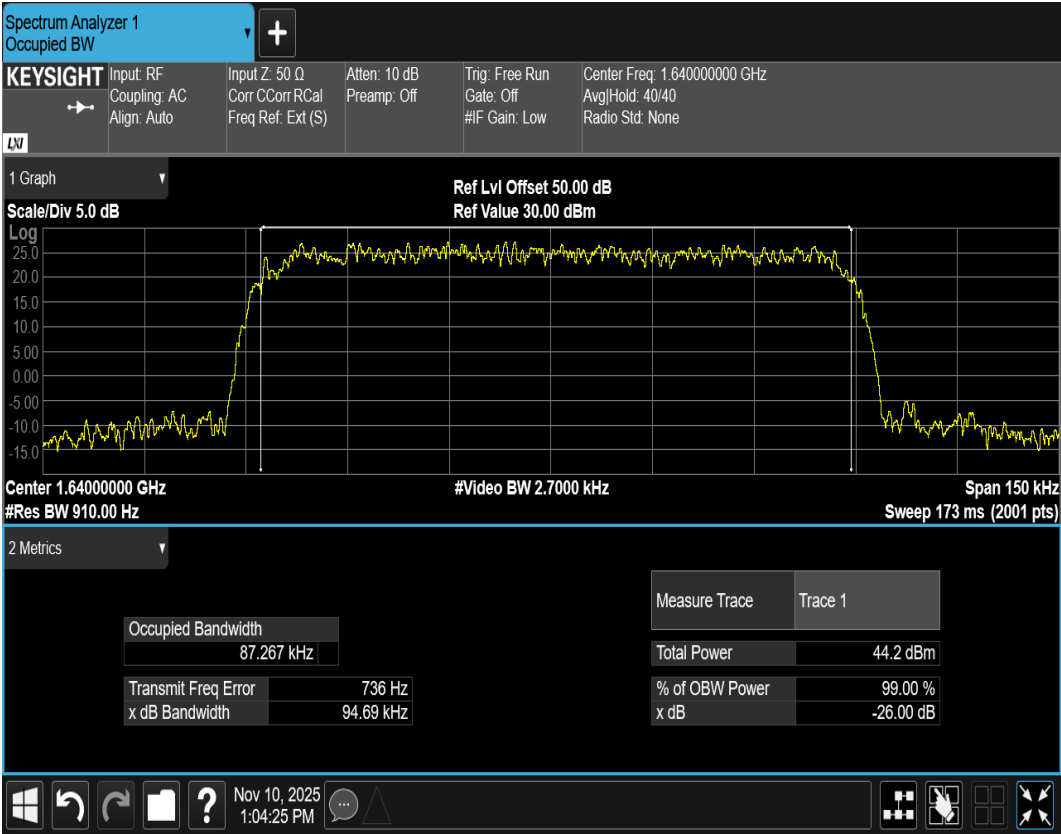


Figure 127 - Middle Channel, 32-QAM: 84000 SR

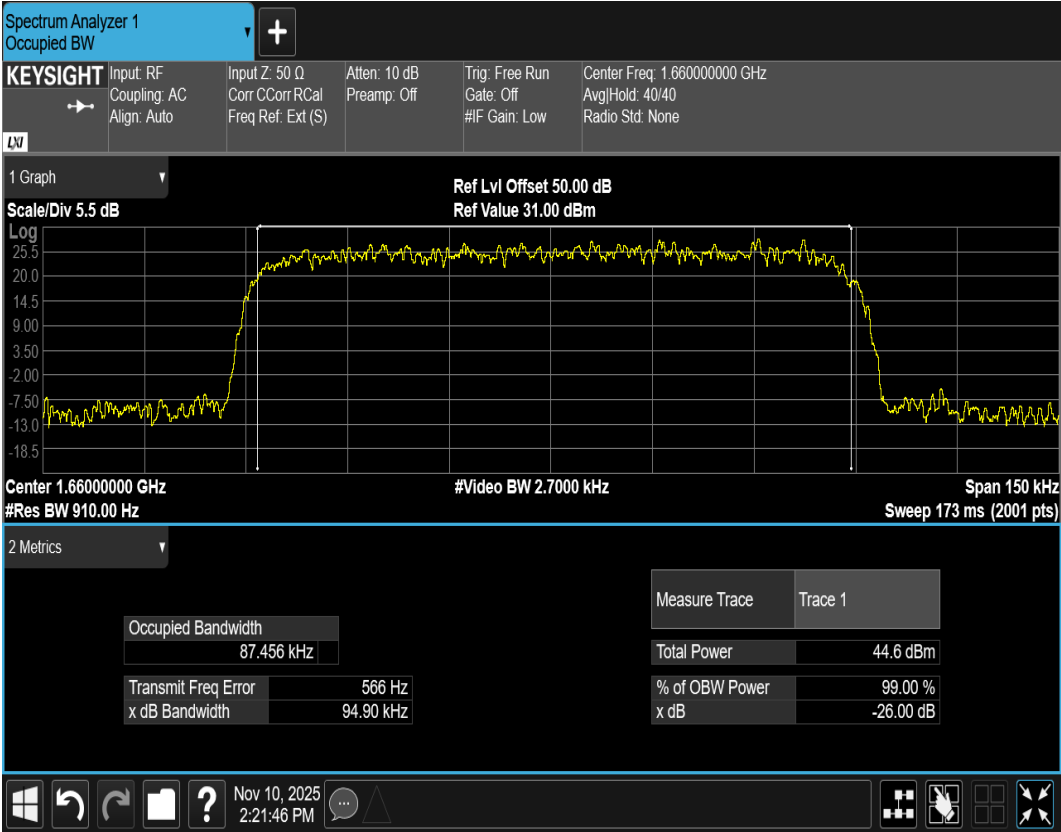


Figure 128 - Top Channel, 32-QAM: 84000 SR

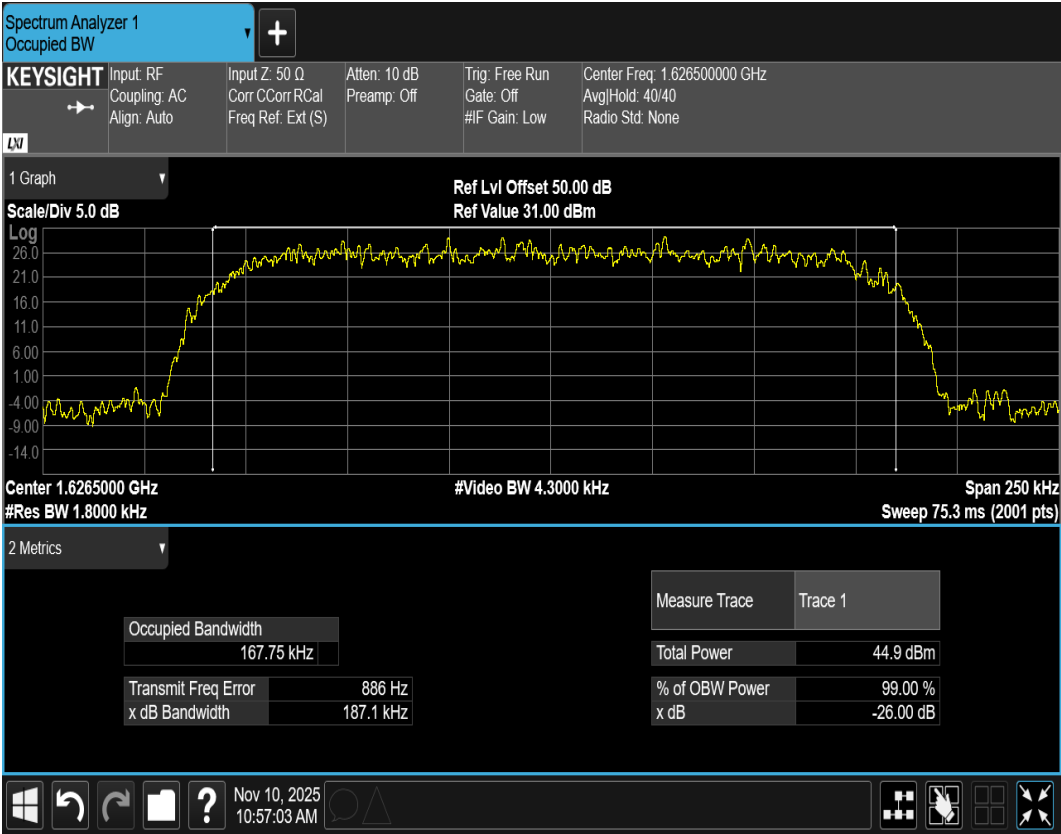


Figure 129 - Bottom Channel, 32-QAM: 151200 SR

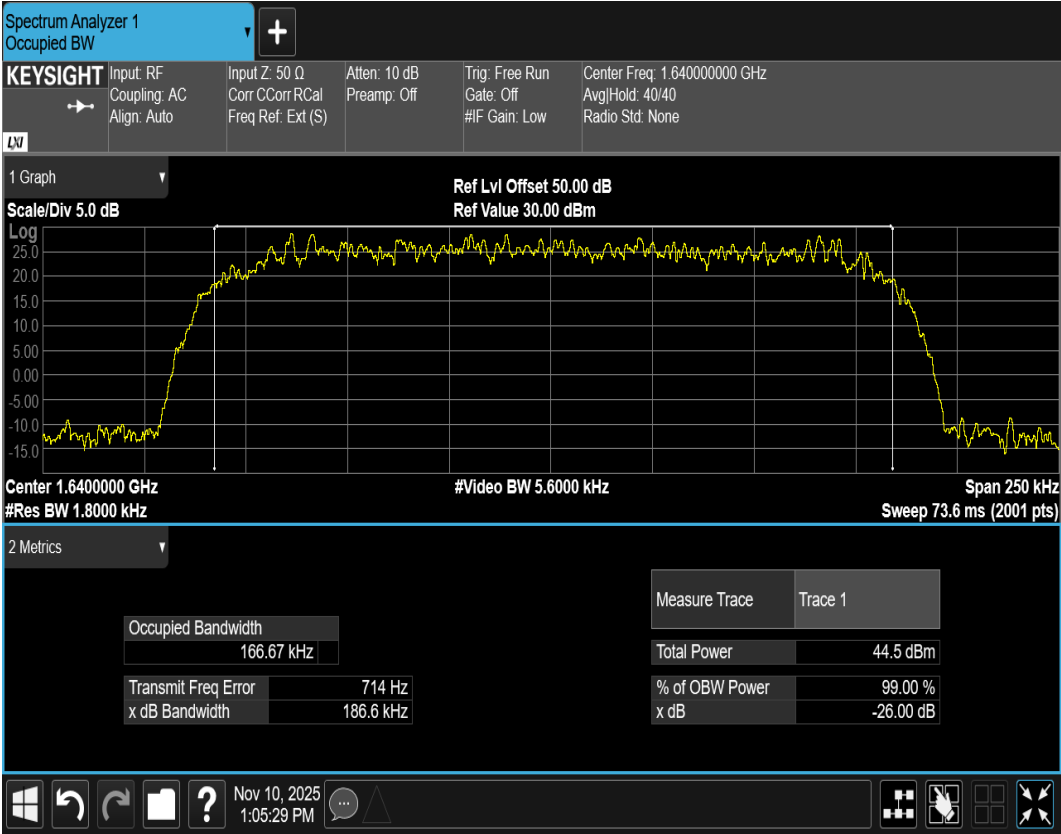


Figure 130 - Middle Channel, 32-QAM: 151200 SR

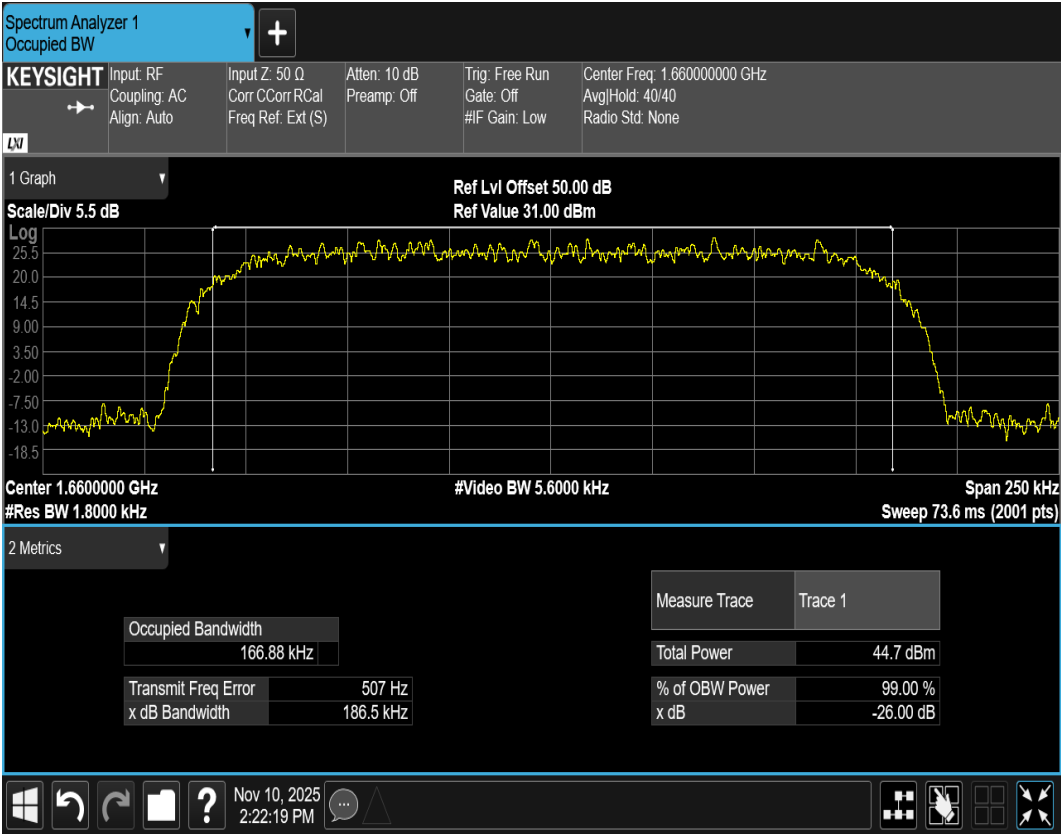


Figure 131 - Top Channel, 32-QAM: 151200 SR

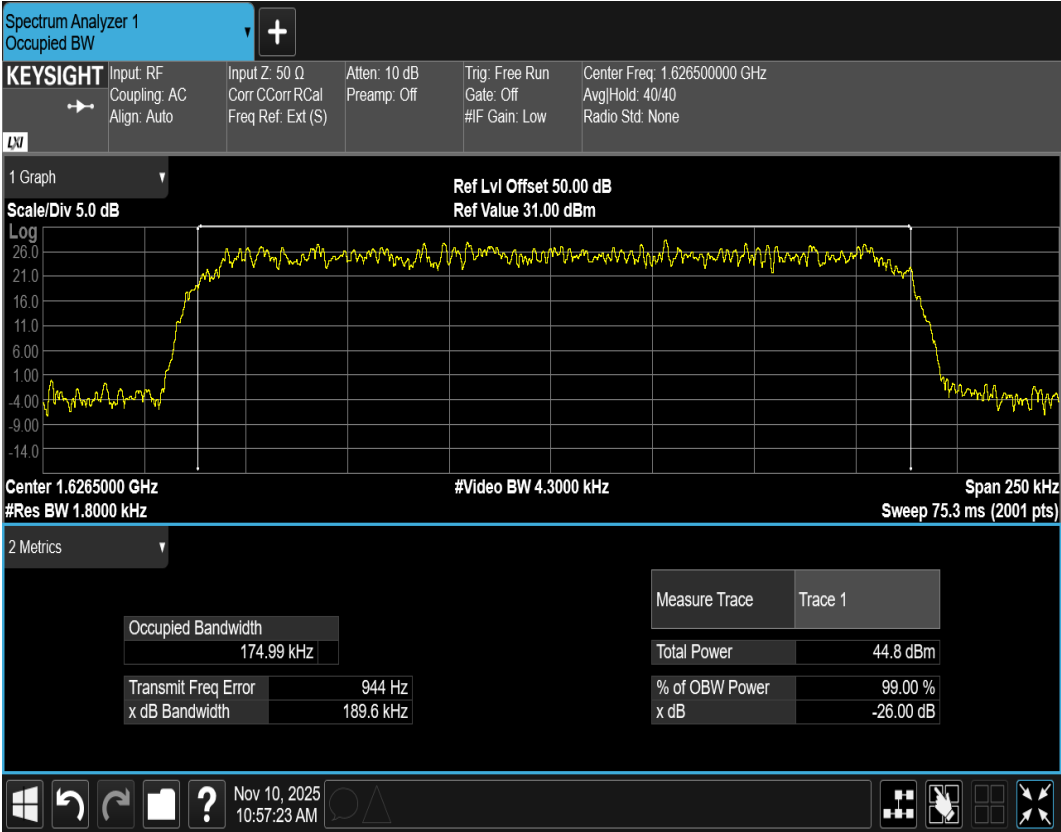


Figure 132 - Bottom Channel, 32-QAM: 168000 SR

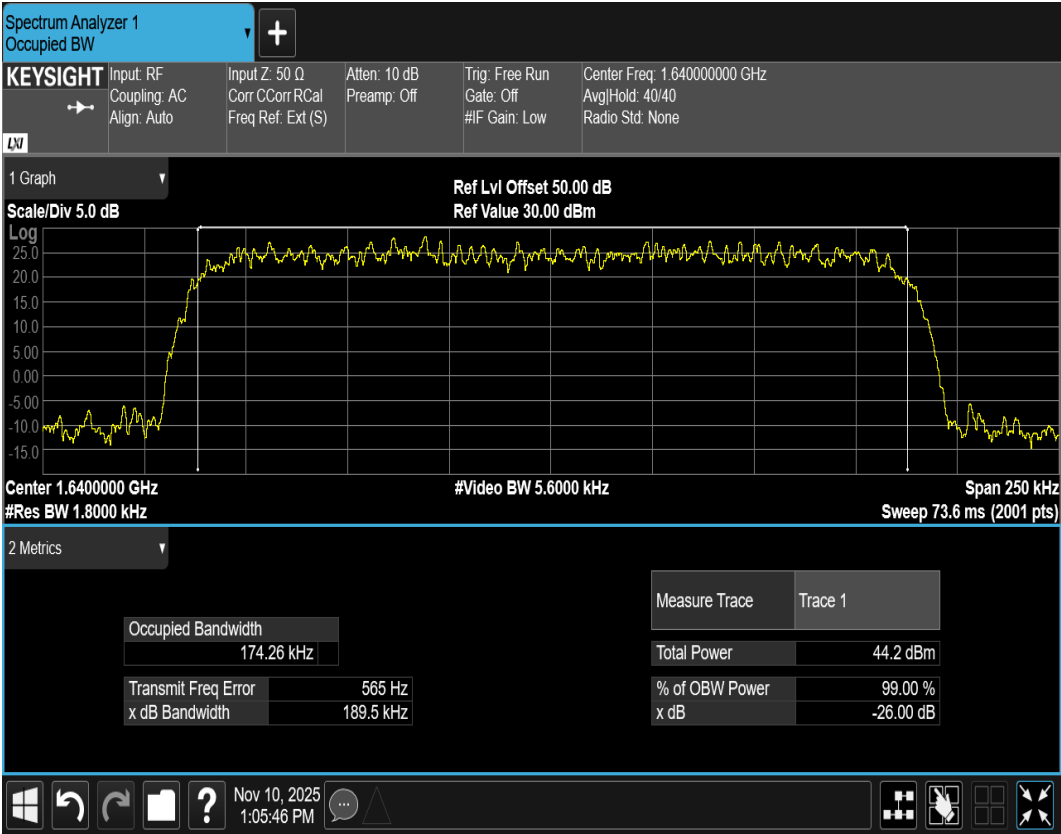


Figure 133 - Middle Channel, 32-QAM: 168000 SR

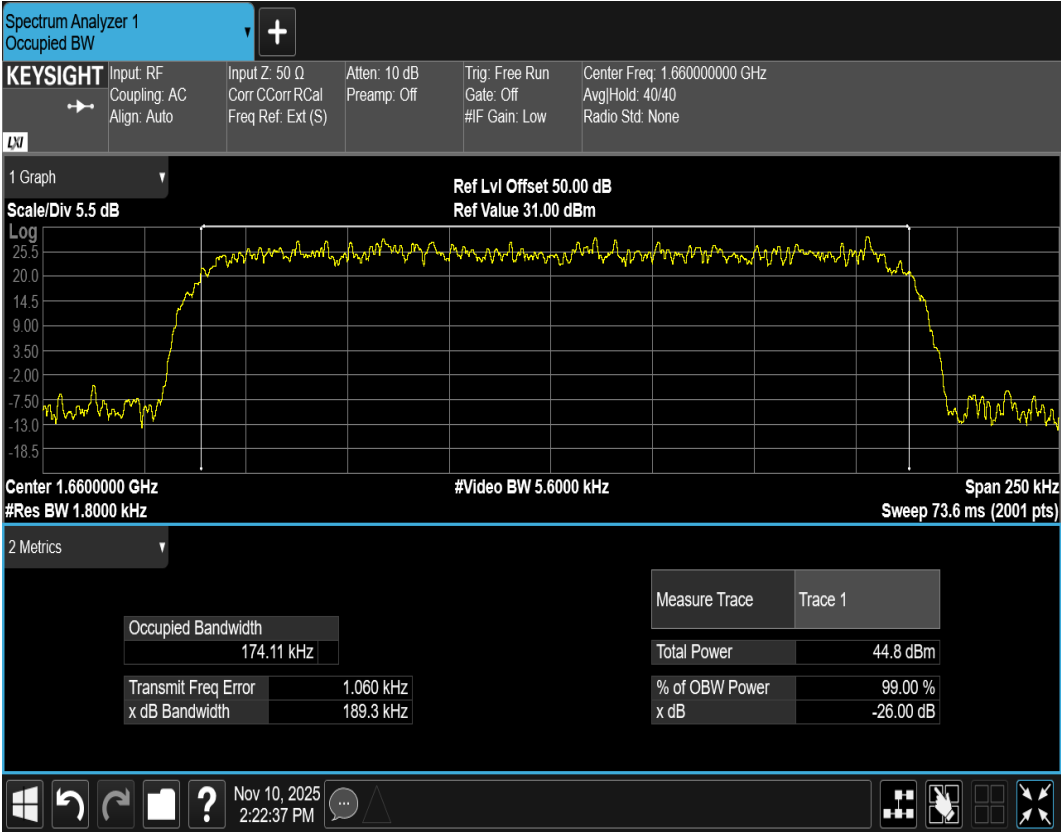


Figure 134 - Top Channel, 32-QAM: 168000 SR

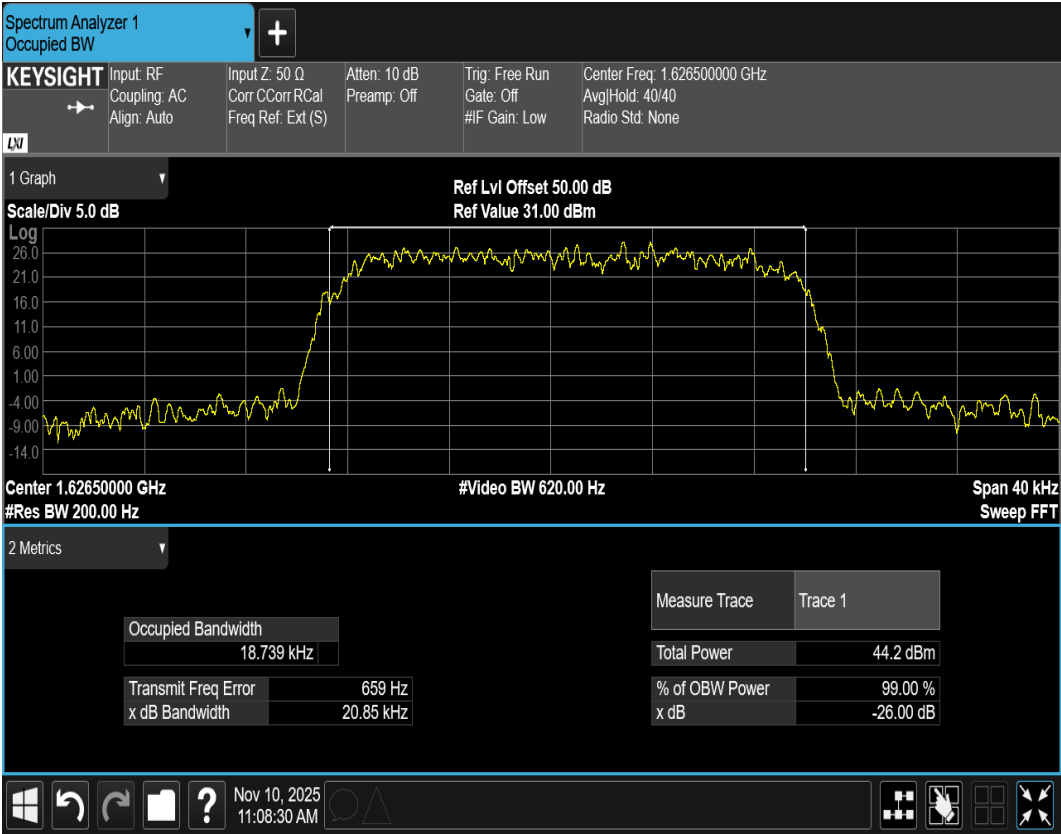


Figure 135 - Bottom Channel, 64-QAM: 16800 SR

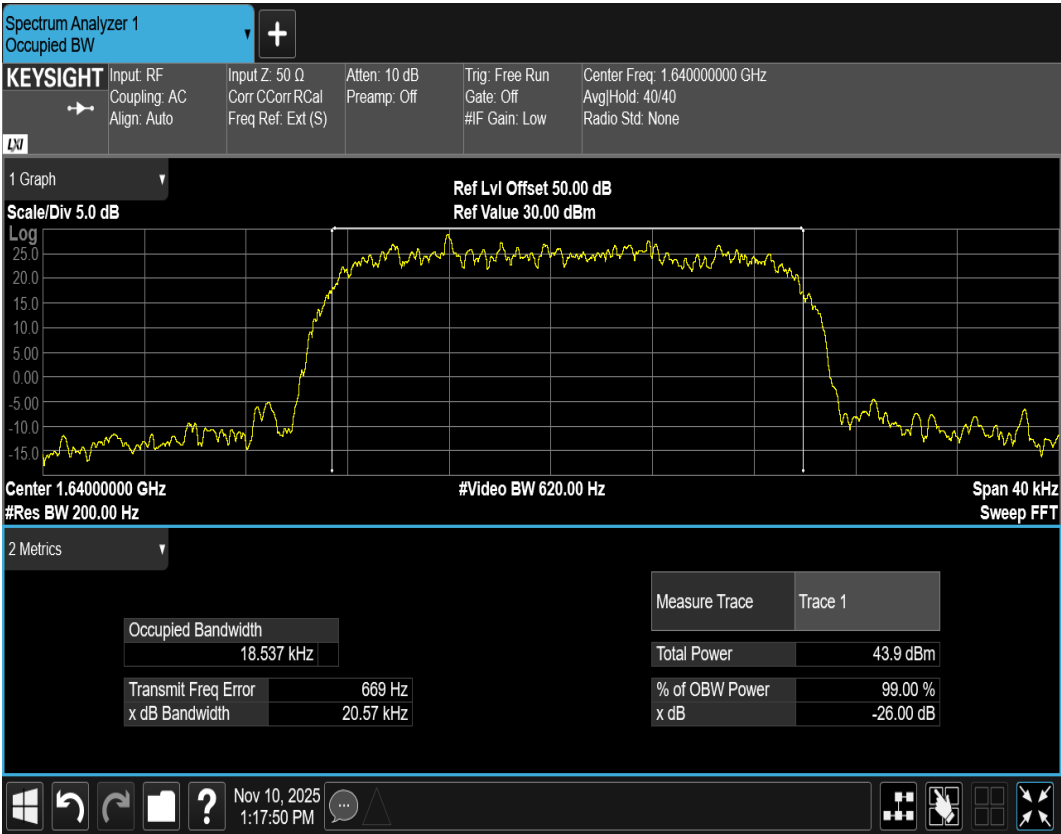


Figure 136 - Middle Channel, 64-QAM: 16800 SR

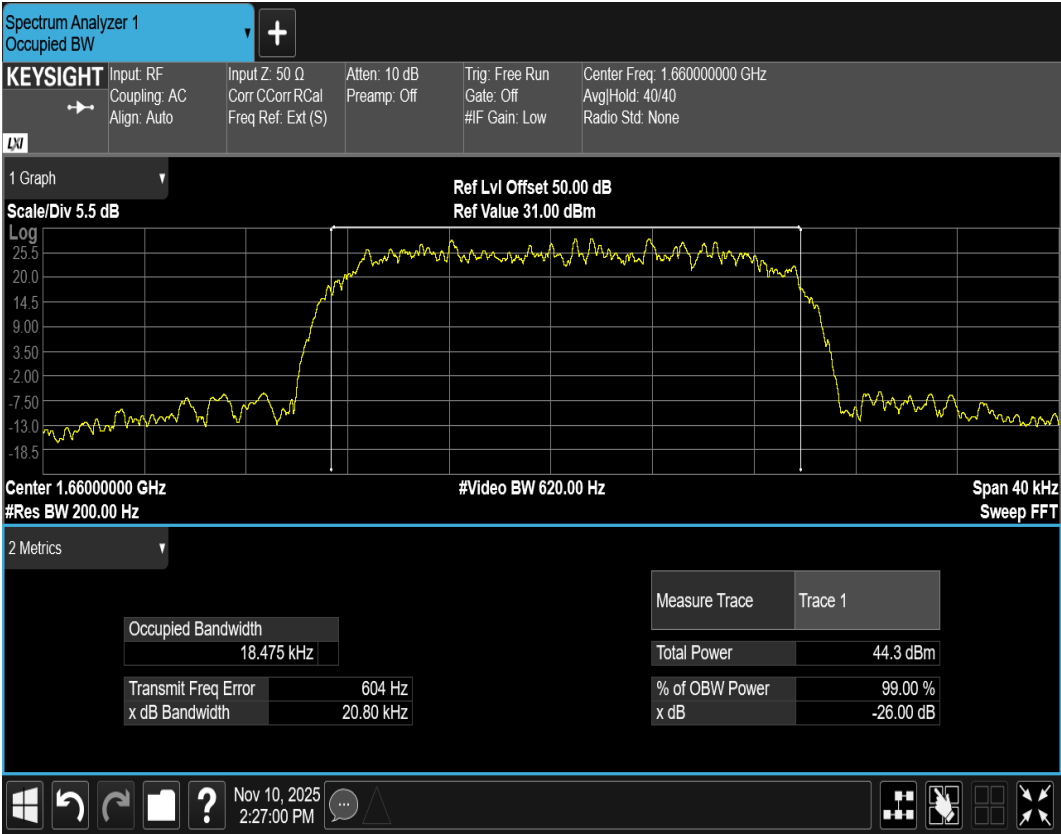


Figure 137 - Top Channel, 64-QAM: 16800 SR

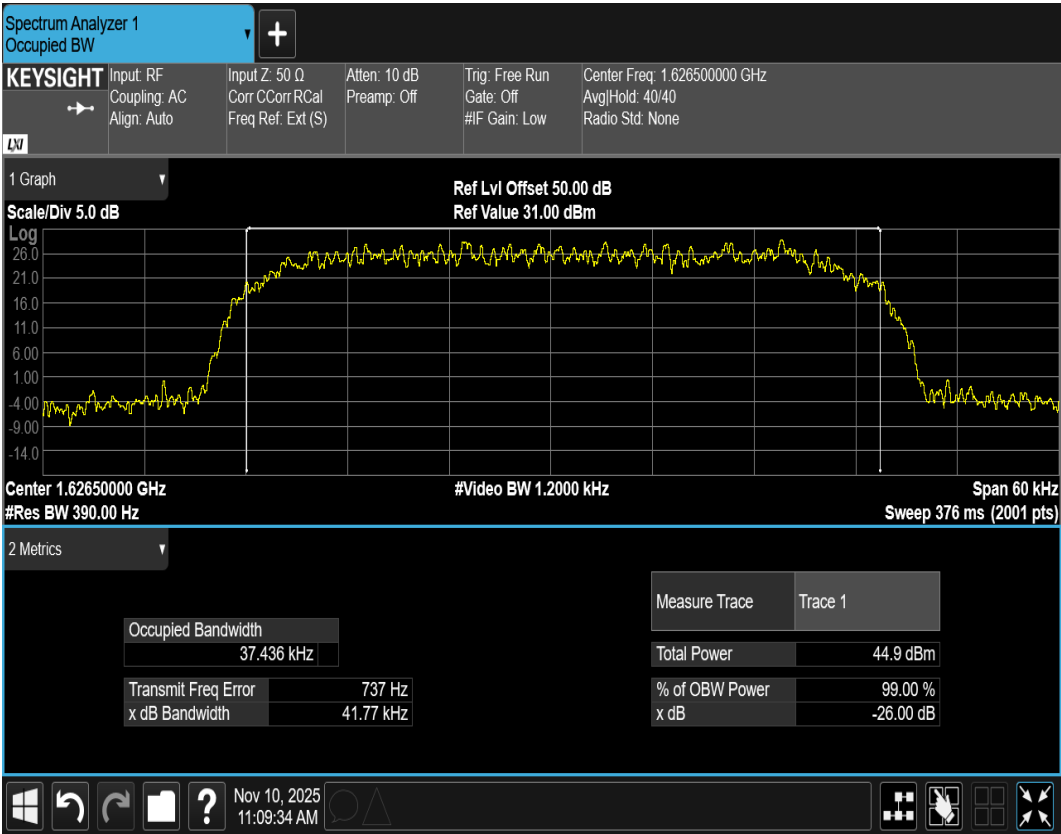


Figure 138 - Bottom Channel, 64-QAM: 33000 SR

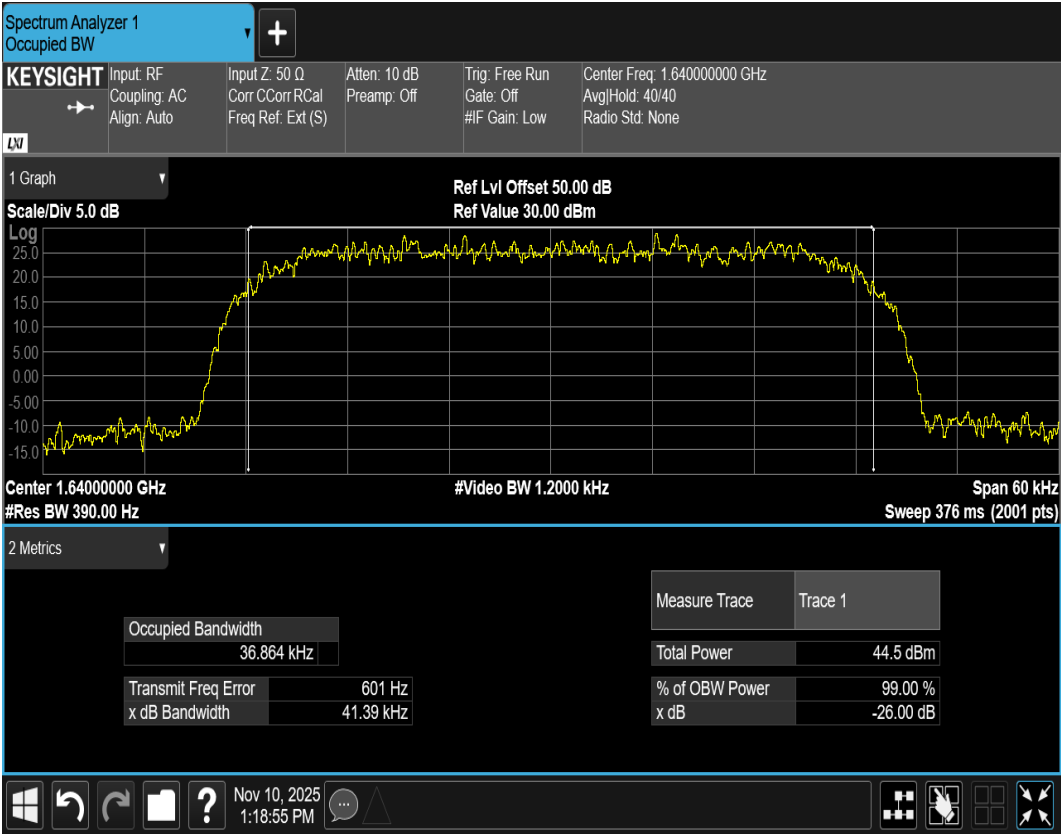


Figure 139 - Middle Channel, 64-QAM: 33000 SR

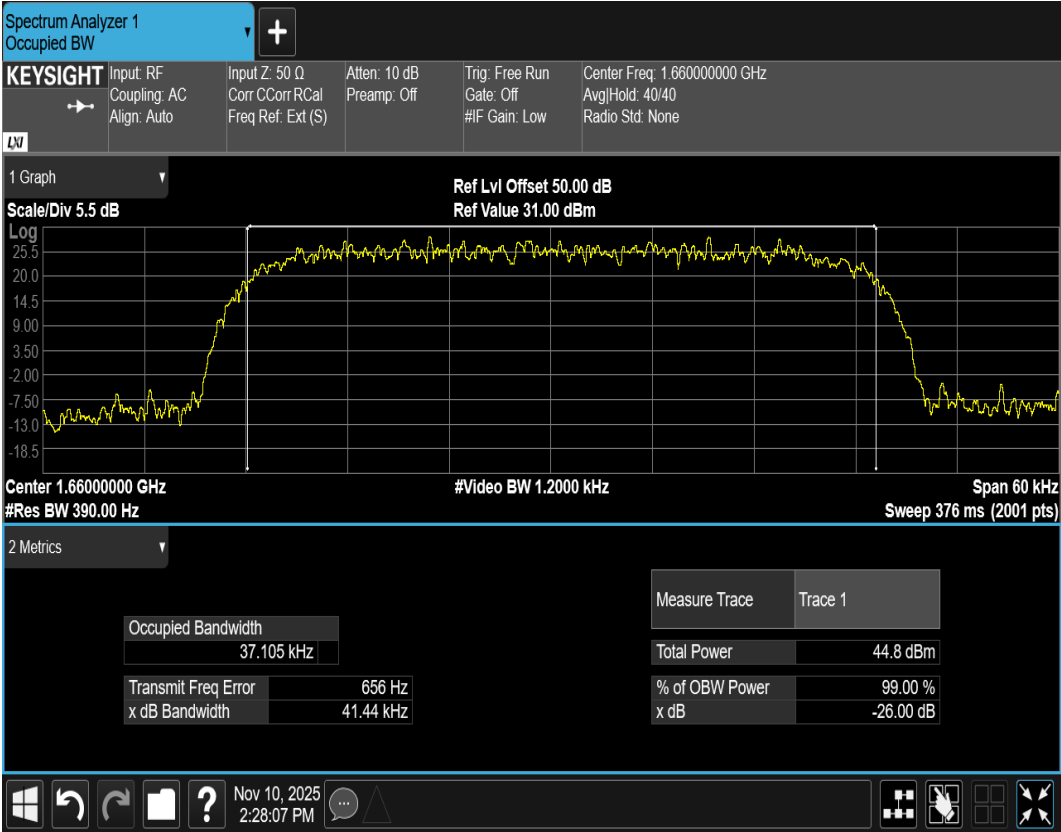


Figure 140 - Top Channel, 64-QAM: 33000 SR

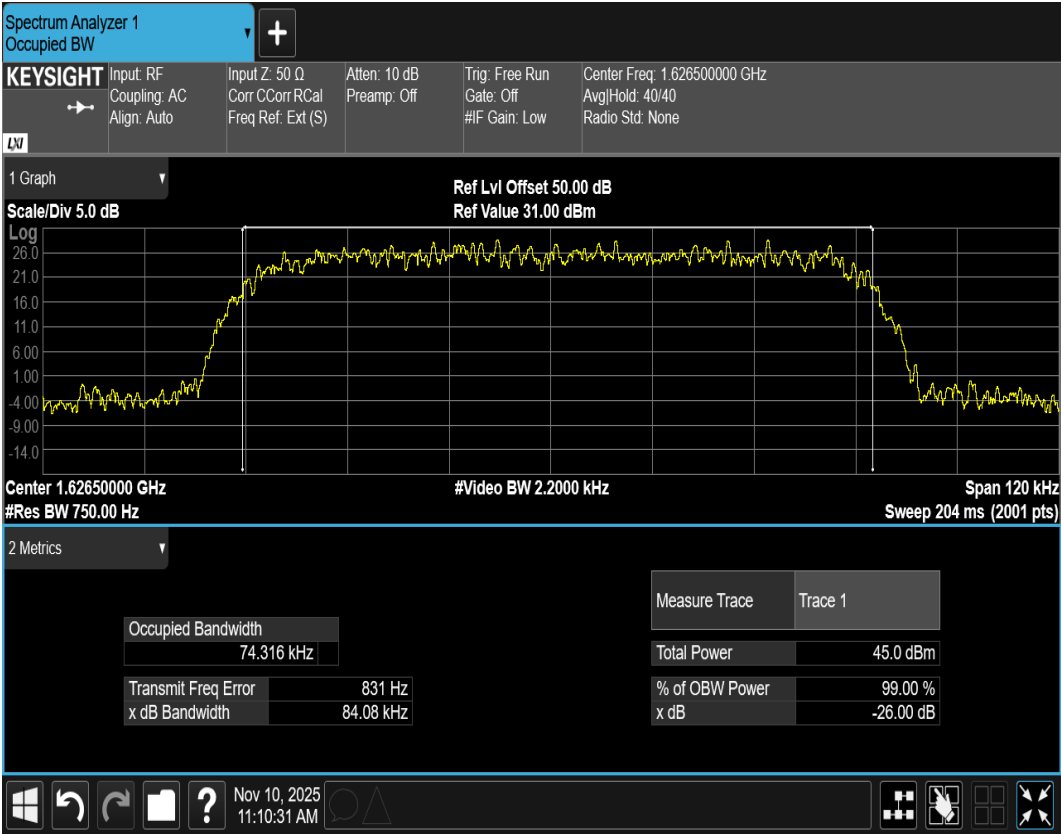


Figure 141 - Bottom Channel, 64-QAM: 67200 SR

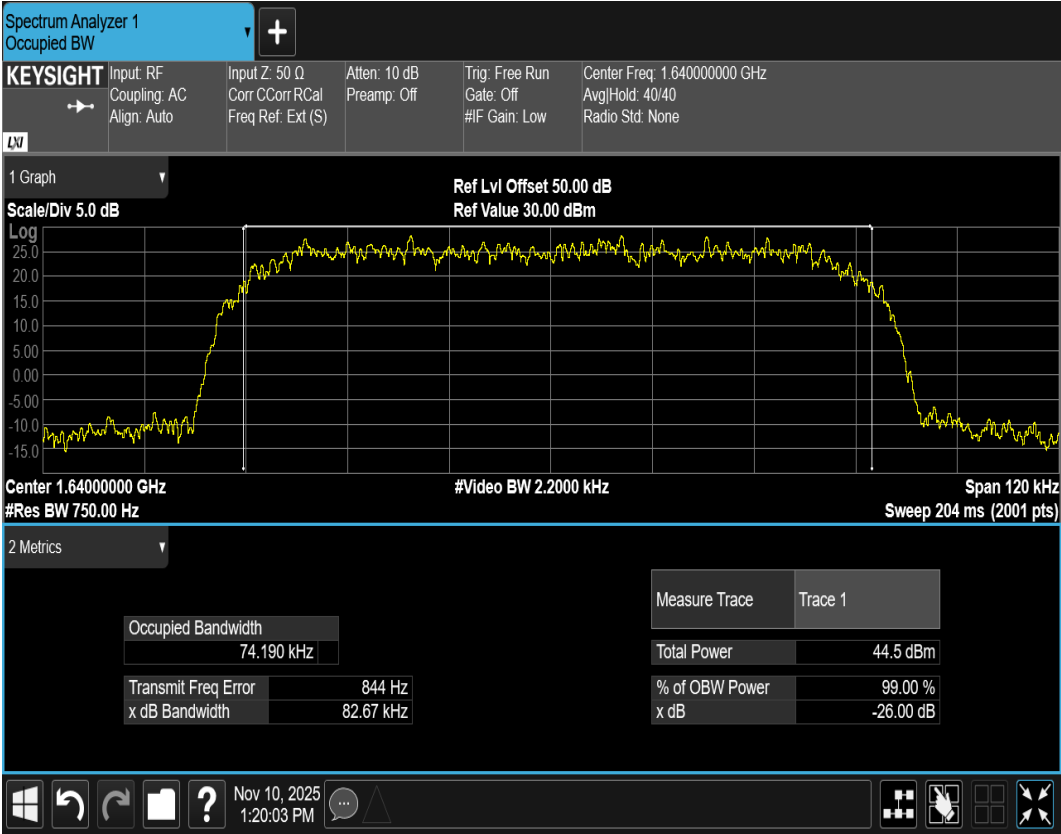


Figure 142 - Middle Channel, 64-QAM: 67200 SR

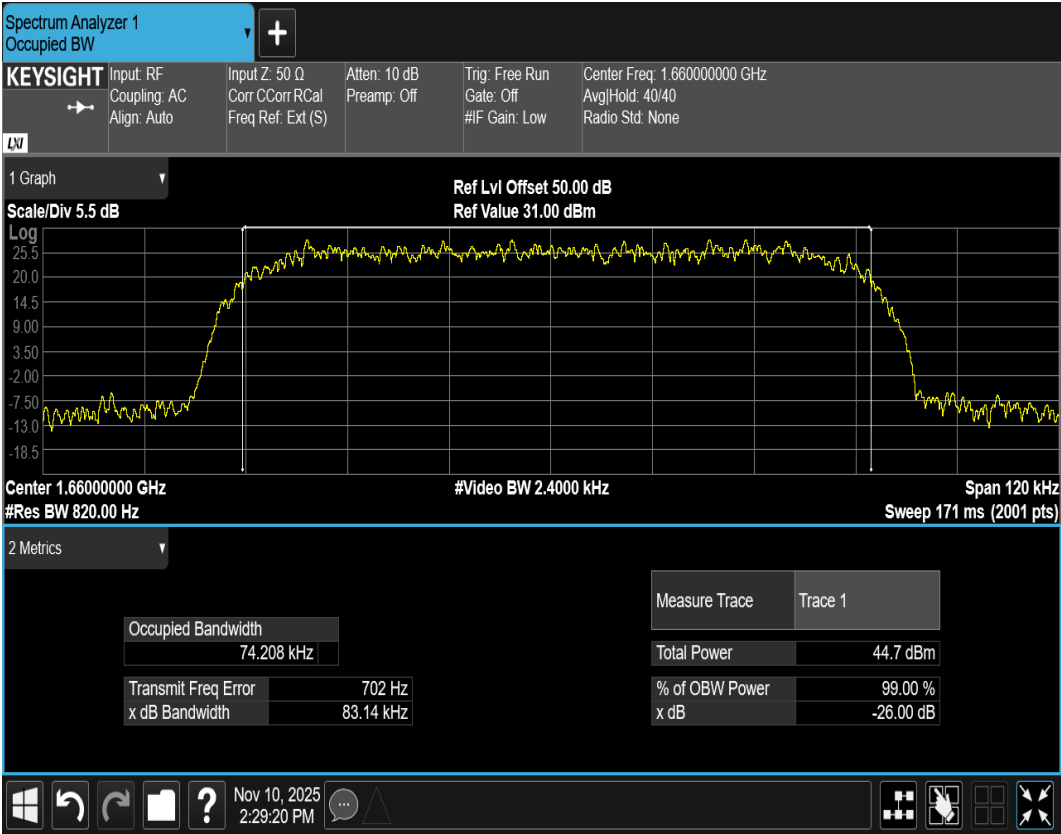


Figure 143 - Top Channel, 64-QAM: 67200 SR

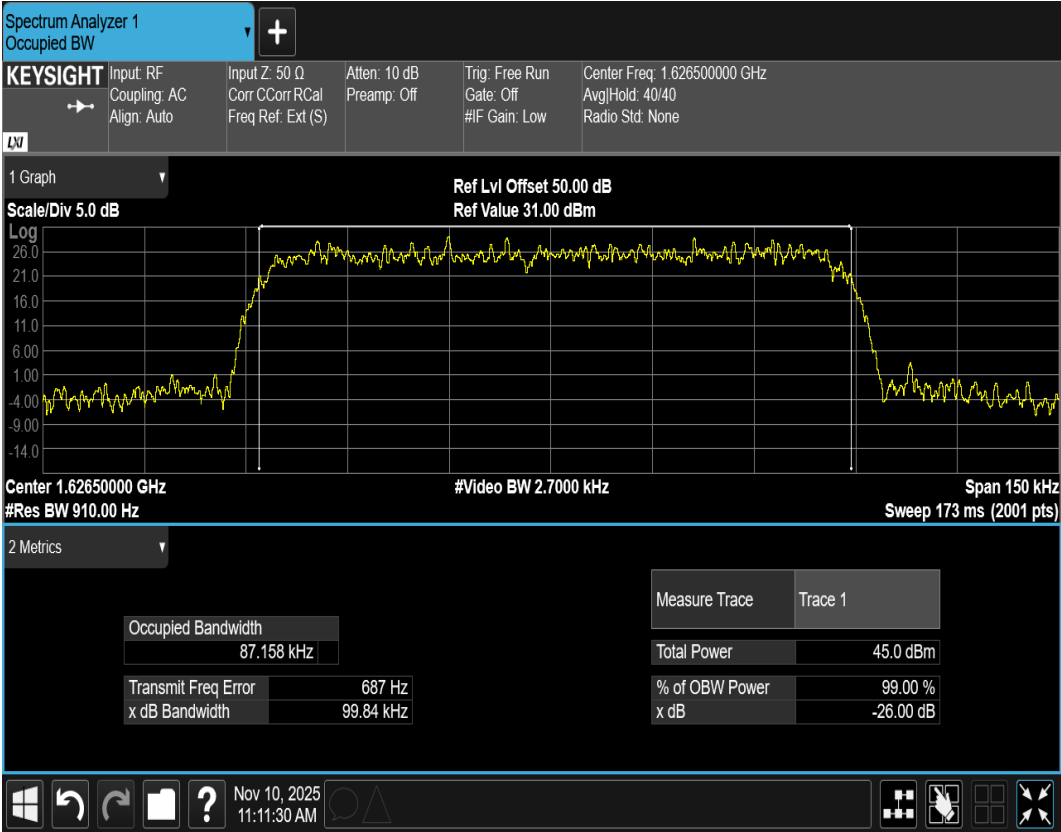


Figure 144 - Bottom Channel, 64-QAM: 84000 SR

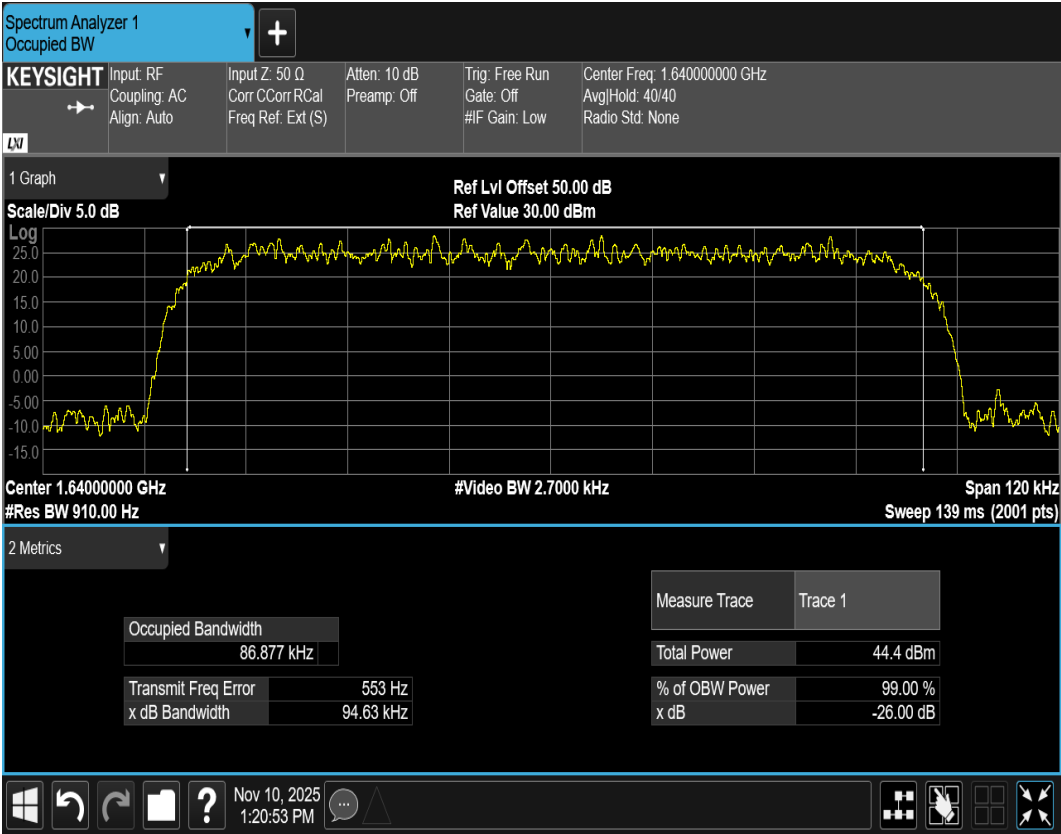


Figure 145 - Middle Channel, 64-QAM: 84000 SR

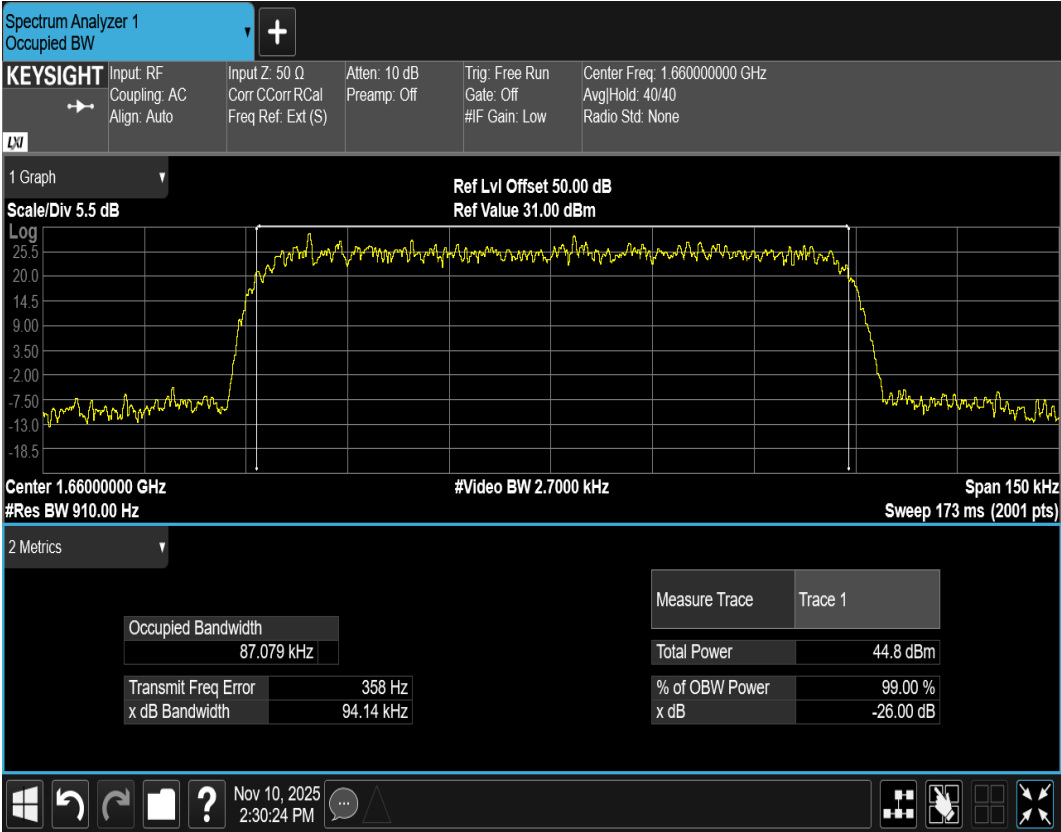


Figure 146 - Top Channel, 64-QAM: 84000 SR

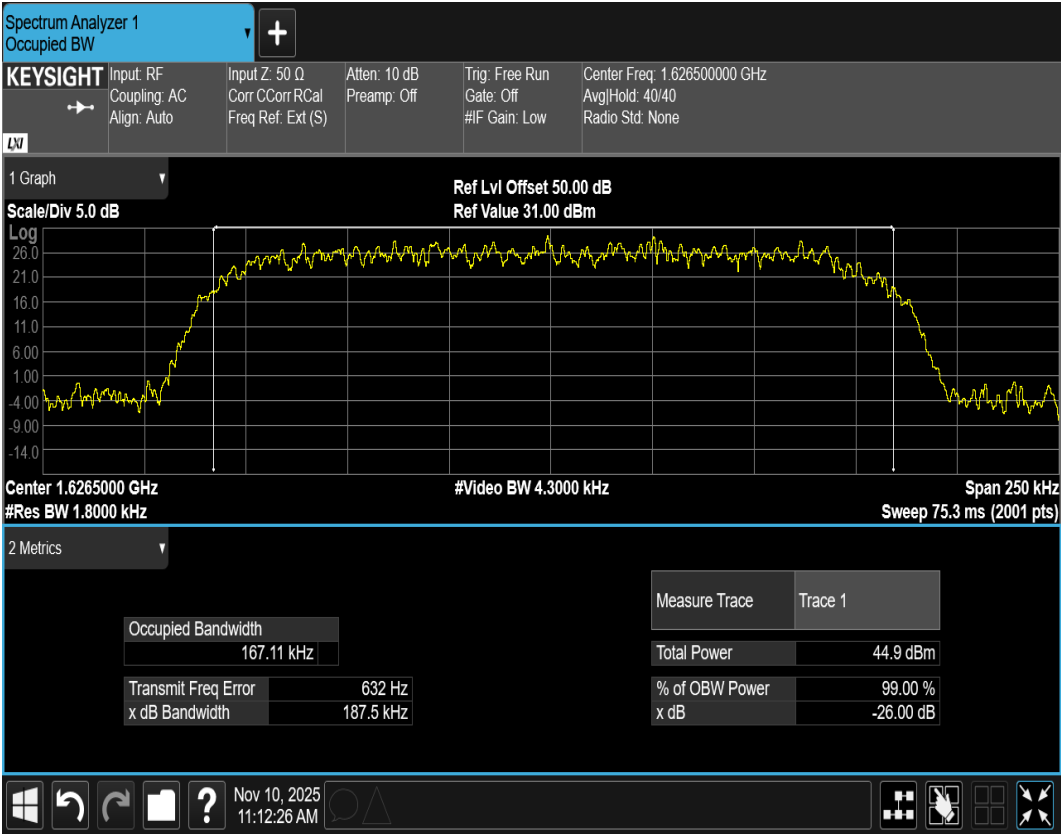


Figure 147 - Bottom Channel, 64-QAM: 151200 SR

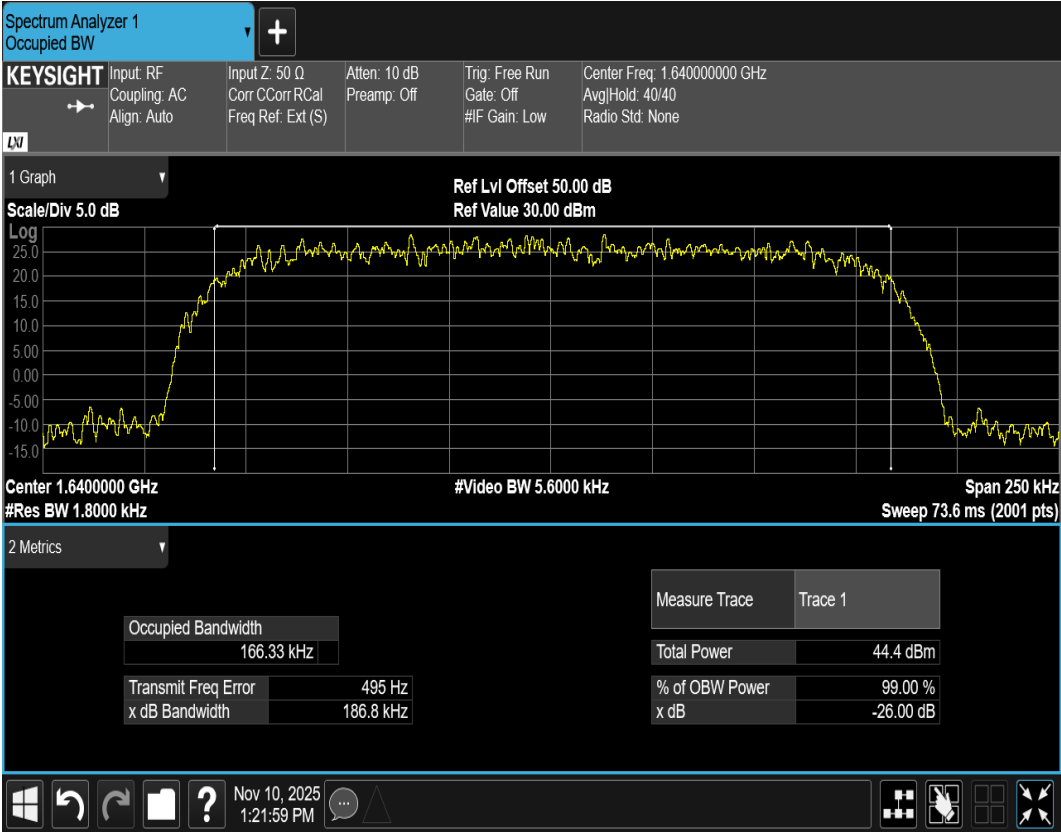


Figure 148 - Middle Channel, 64-QAM: 151200 SR

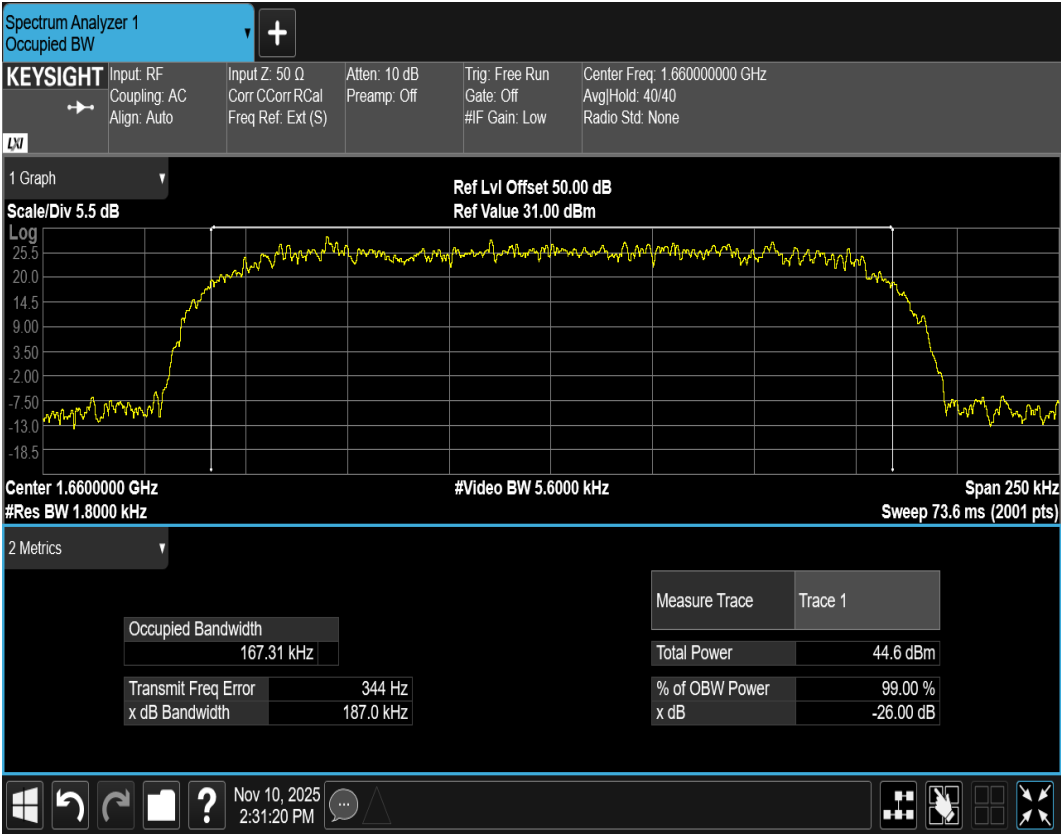


Figure 149 - Top Channel, 64-QAM: 151200 SR

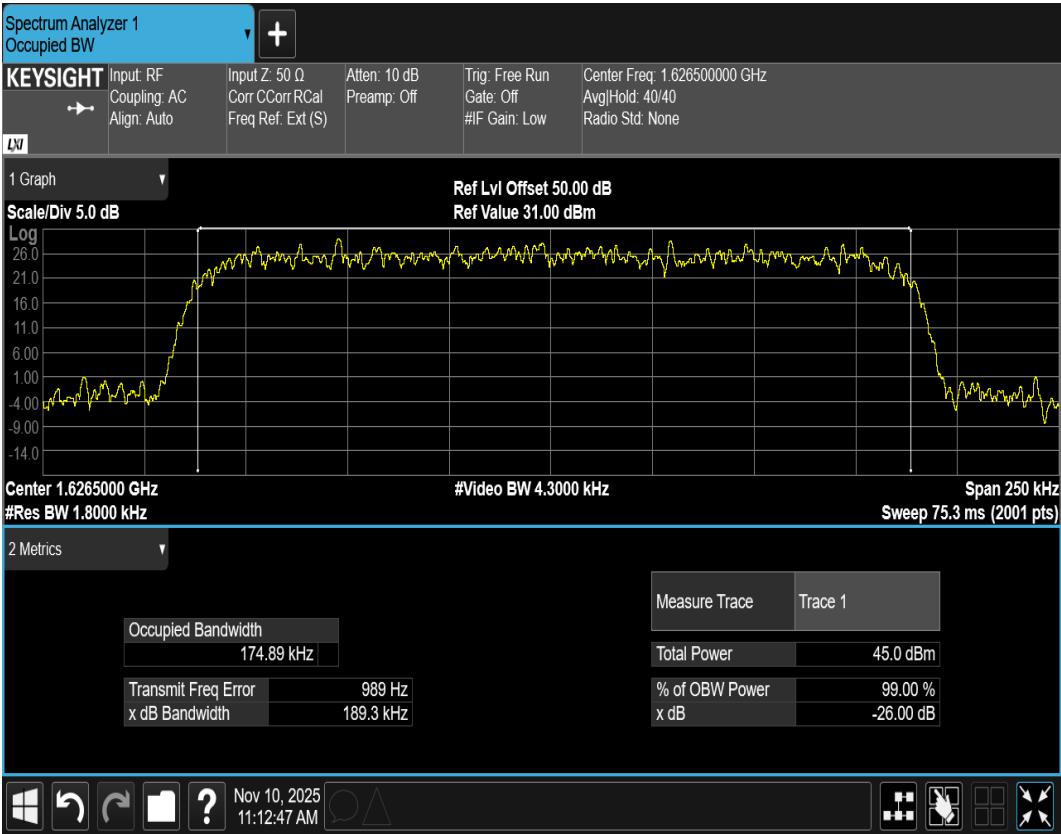


Figure 150 - Bottom Channel, 64-QAM: 168000 SR

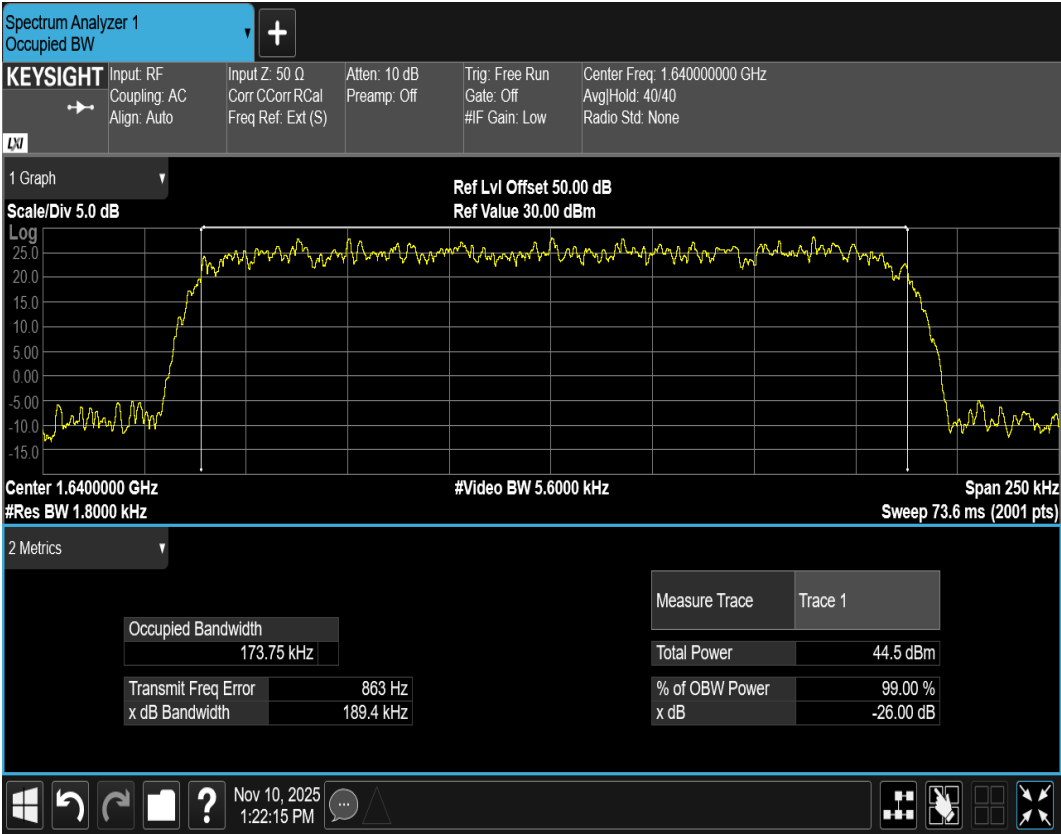


Figure 151 - Middle Channel, 64-QAM: 168000 SR

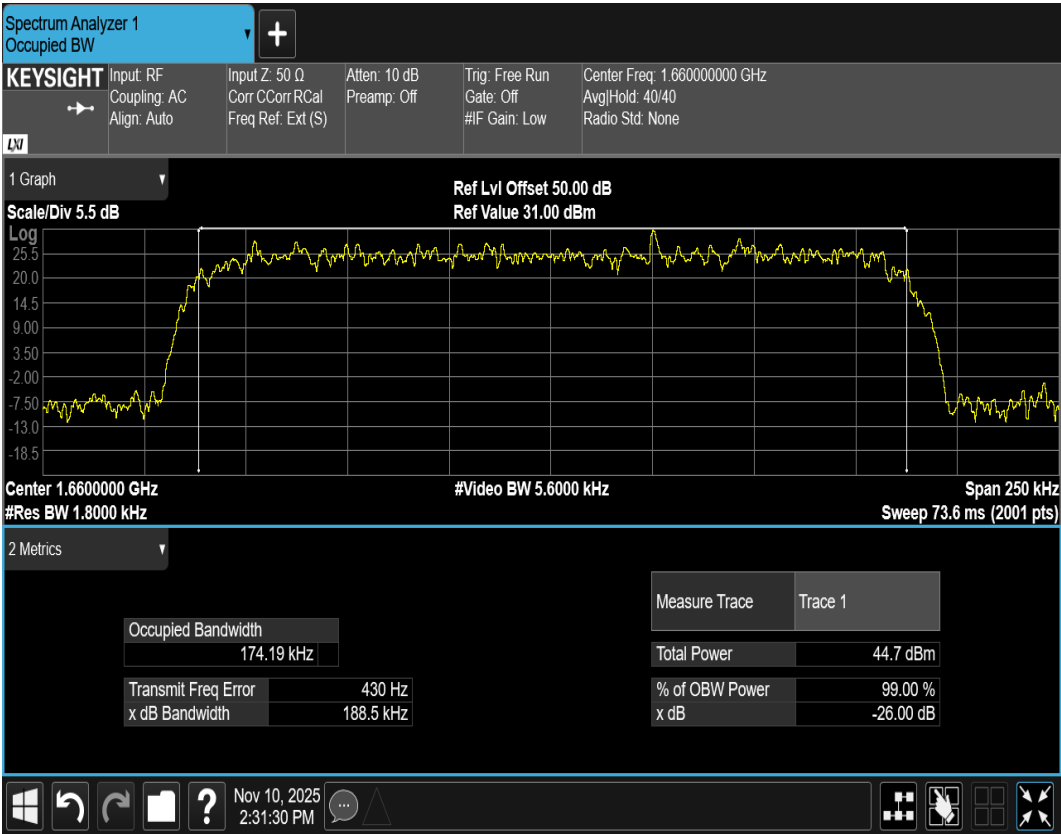


Figure 152 - Top Channel, 64-QAM: 168000 SR



FCC 47 CFR Part 2, Limit Clause 2.1049

None specified.

ISED RSS-GEN, Limit Clause

None specified.

2.6.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 1.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Hygrometer	Rotronic	I-1000	2891	12	02-Dec-2025
Digital Multi-meter	Iso-tech	IDM93N	4435	12	06-Mar-2026
Quad Power Supply	Rohde & Schwarz	HMP4040	4955	-	O/P Mon
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5514	12	06-Jun-2026
Coaxial Fixed Attenuator DC-18GHz 5W 10dB	RF-Lambda	RFS5G18B10SMP	6181	12	19-Aug-2026
MXA Signal Analyser	Keysight Technologies	N9020B	6418	24	15-Oct-2027
Attenuator 5W 20dB DC-18GHz	Aaren	AT40A-4041-D18-20	6558	12	29-Nov-2025
20dB 10W/18GHz F/M SMA bidirectional Attenuator	Weinschel	WA41-20-0102	7027	12	06-Jun-2026

Table 41

O/P Mon – Output Monitored using calibrated equipment

3 Photographs

3.1 Test Setup Photographs

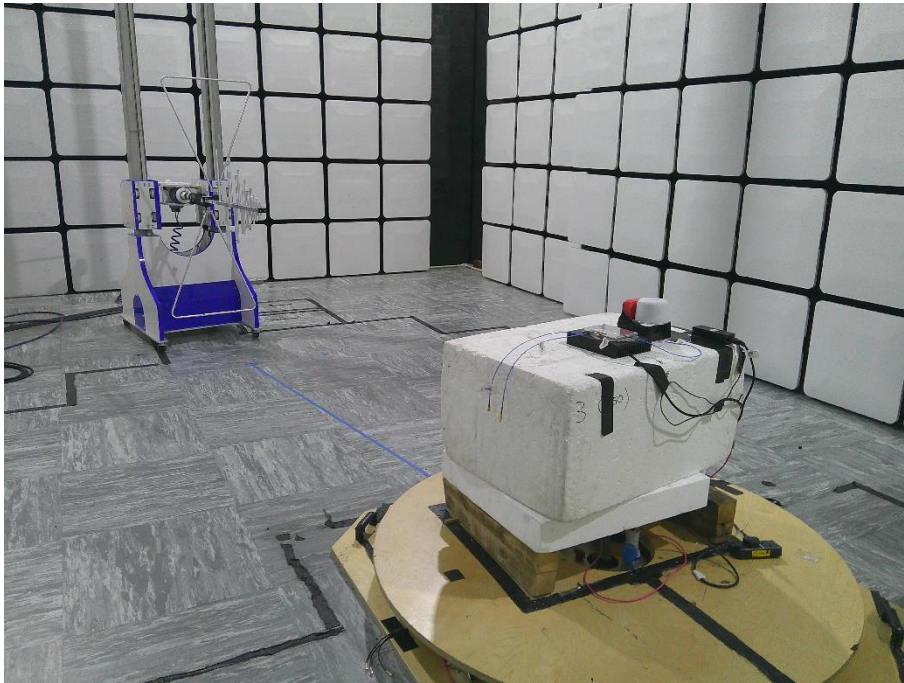


Figure 153 - Radiated Emissions, 30 MHz to 1 GHz

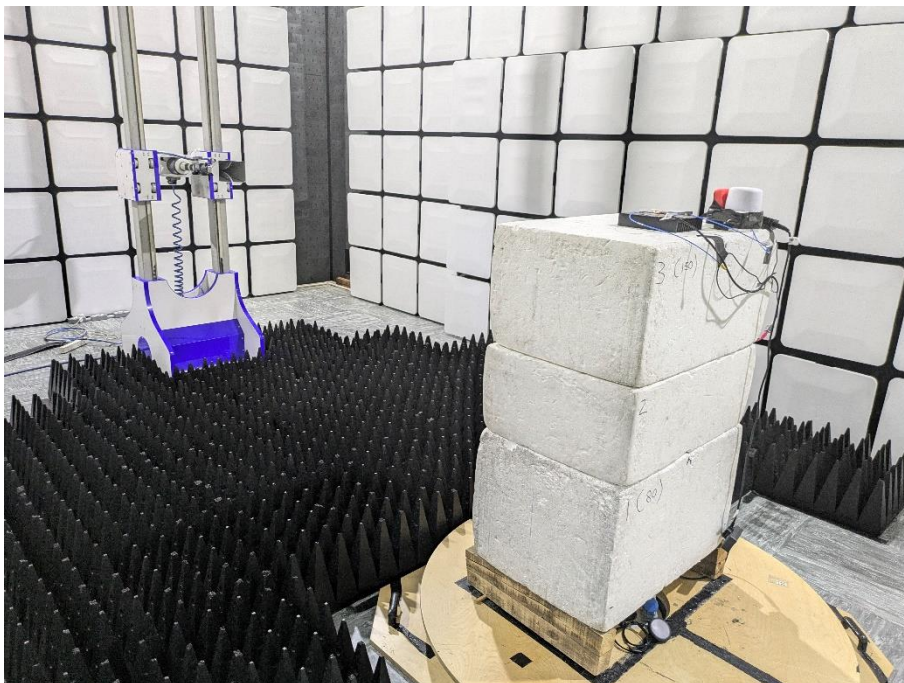


Figure 154 - Radiated Emissions, 1 GHz to 8 GHz

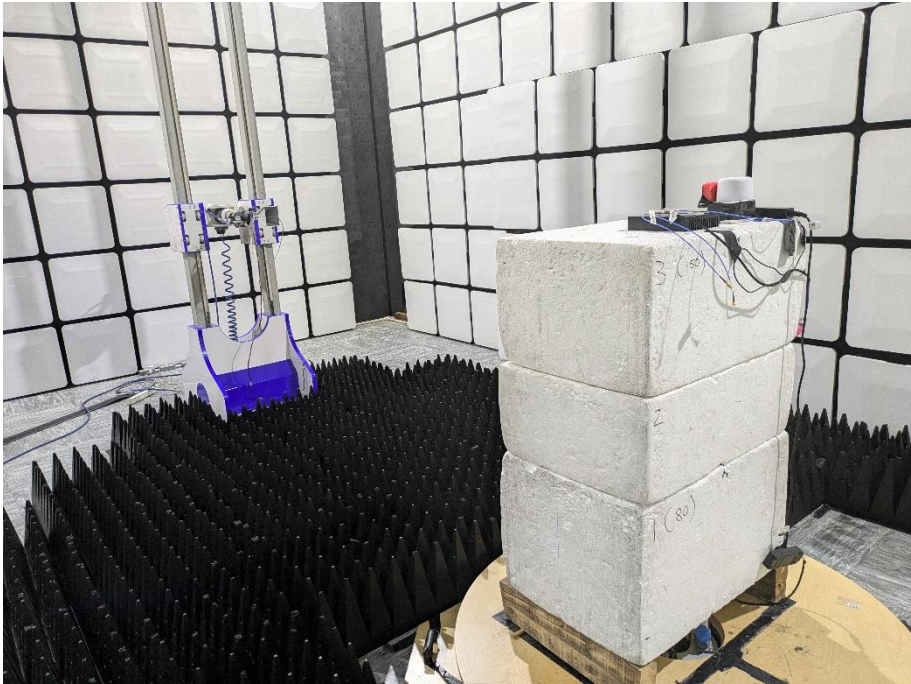


Figure 155 - Radiated Emissions, 8 GHz to 18 GHz



Figure 156 - Radiated Emissions, X-Plane

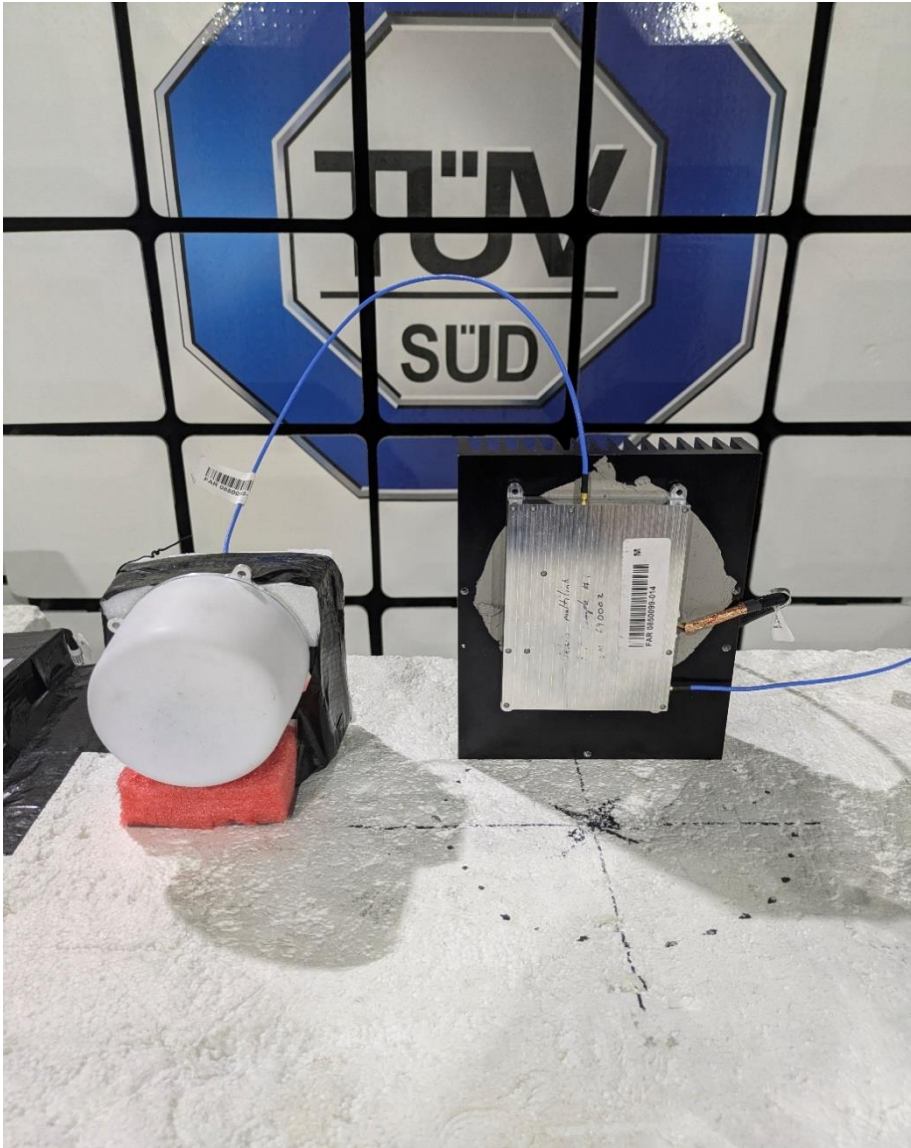


Figure 157 - Radiated Emissions, Y-Plane

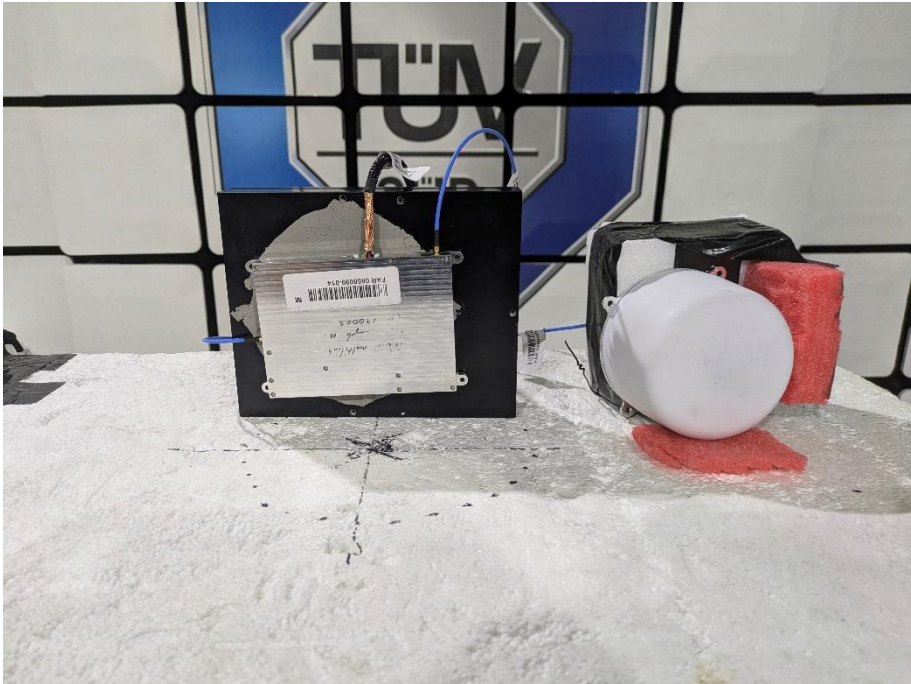


Figure 61 - Radiated Emissions, Z-Plane



4 Test Equipment Information

4.1 Customer Support Equipment

Instrument	Manufacturer	Type No	Serial Number	Calibration Period (months)	Calibration Due
BGAN Network Emulator	Square Peg Communications	PLTM-02	02025	-	O/P Mon

Table 42

5 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
Radiated Spurious Emissions	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 18 GHz: ± 6.3 dB
Frequency Tolerance	± 132.06 Hz & 0.000008%
Spurious Emissions at Antenna Terminals	± 3.454 dB
Equivalent Isotropic Radiated Power	Conducted: ± 3.2 dB Radiated: ± 6.3 dB (1 GHz to 18 GHz)
Limits on Emissions from Mobile Earth Stations for Protection of Aeronautical Radio Navigation Satellite Service	± 3.454 dB
Occupied Bandwidth	± 2426.09 Hz.

Table 43

Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.