

New Version : 2025年生産分より



Performance Data Sheet

TX Model Type & Serial Number: MWL-TX2-1550nm (S/N : xxxxxx)

RX Model Type & Serial Number: MWL-RX2 (S/N : xxxxxx)

Fig.1 Overall Gain and Noise Density vs Frequency (Graph)

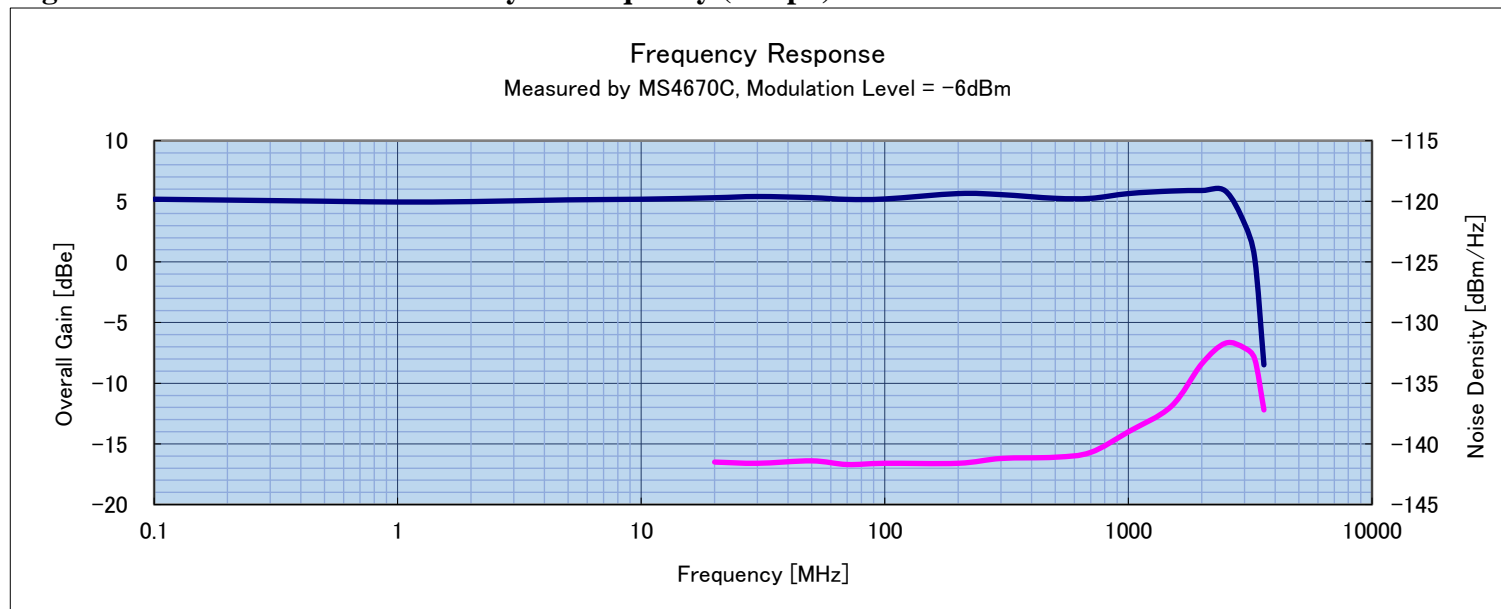


Table 1 Gain & Noise vs Freq.

Freq. [MHz]	Gain [dBe]	Noise [dBm/Hz]
0.1	5.17	---
0.5	5.01	---
1	4.94	---
2	4.98	---
5	5.12	---
10	5.17	---
20	5.30	-141.5
30	5.40	-141.6
50	5.30	-141.4
70	5.16	-141.7
100	5.19	-141.6
200	5.64	-141.6
300	5.55	-141.2
500	5.25	-141.1
700	5.25	-140.7
1000	5.64	-139.0
1500	5.85	-136.9
2000	5.89	-133.4
2500	5.85	-131.7
3000	3.14	-132.1
3300	0.30	-133.0
3600	-8.48	-137.2

Table 2 Other Characteristics

Item	Condition	Specification	Measured Value
Average Power at TX Fiber End	Measured by AQ2201+AQ2200-231, No Modulation	+5.0 to +6.0 [dBm]	+5.82 [dBm]
IMD3 Level at 1997MHz	When RX Output Level of 1999MHz and 2001MHz are -3dBm each	Less than -50 [dBm]	-50.2 [dBm]
IMD3 Level at 2003MHz		Less than -50 [dBm]	-50.8 [dBm]
TX Supply Current	+9V DC, No Modulation	0.09 to 0.13 [A]	0.10 [A]
RX Supply Current	+9V DC, No Modulation	0.09 to 0.13 [A]	0.10 [A]

Measured on : 2025/04/xx

Measured by : xxxxx xxxxx

従来版：2024年生産まで



Performance Data Sheet

TX Model Type & Serial Number: MWL-TX2-1550nm (S/N : xxxxxx)

RX Model Type & Serial Number: MWL-RX2 (S/N : xxxxxx)

Fig.1 Overall Gain and Noise Density vs Frequency (Graph)

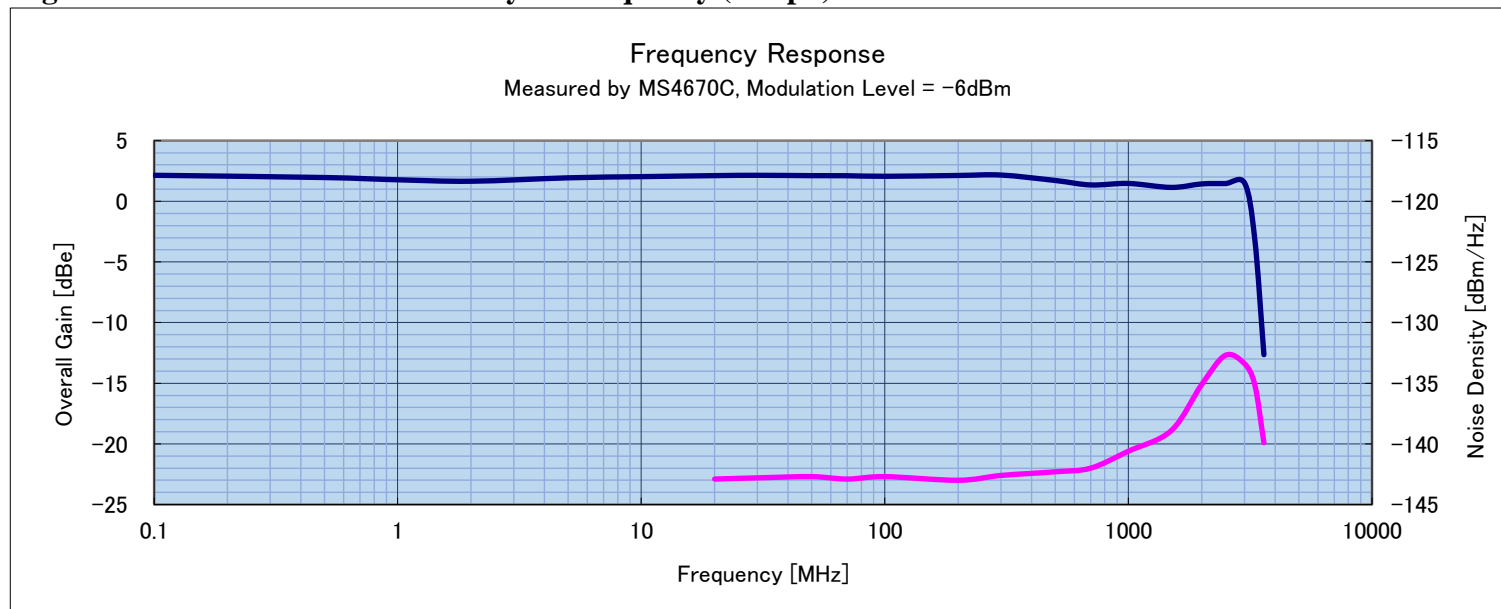


Table 2 Other Characteristics

Item	Condition	Specification	Measured Value
Average Power at TX Fiber End	Measured by AQ2201+AQ2200-231, No Modulation	+5.0 to +5.5 [dBm]	+5.31 [dBm]
IMD3 Level at 1997MHz	When RX Output Level of 1999MHz and 2001MHz are -3dBm each	Less than -50 [dBm]	-55.1 [dBm]
IMD3 Level at 2003MHz		Less than -50 [dBm]	-54.8 [dBm]
TX Supply Current	+9V DC, No Modulation	0.09 to 0.13 [A]	0.10 [A]
RX Supply Current	+9V DC, No Modulation	0.09 to 0.13 [A]	0.10 [A]

Table 1 Gain & Noise vs Freq.

Freq. [MHz]	Gain [dBe]	Noise [dBm/Hz]
0.1	2.15	---
0.5	1.96	---
1	1.77	---
2	1.66	---
5	1.94	---
10	2.03	---
20	2.12	-142.9
30	2.14	-142.8
50	2.12	-142.7
70	2.11	-142.9
100	2.06	-142.7
200	2.13	-143.0
300	2.17	-142.6
500	1.72	-142.3
700	1.35	-142.0
1000	1.47	-140.6
1500	1.15	-138.9
2000	1.44	-135.1
2500	1.47	-132.7
3000	1.50	-133.4
3300	-3.08	-135.1
3600	-12.64	-139.9

Measured on : 2024/xx/xx

Measured by : xxxxx xxxxxx