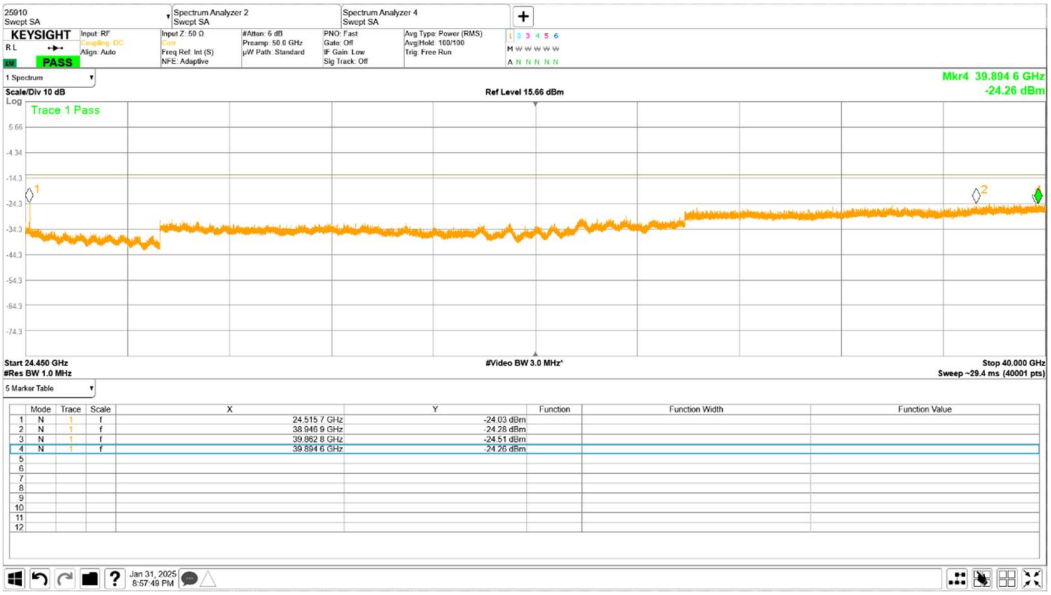
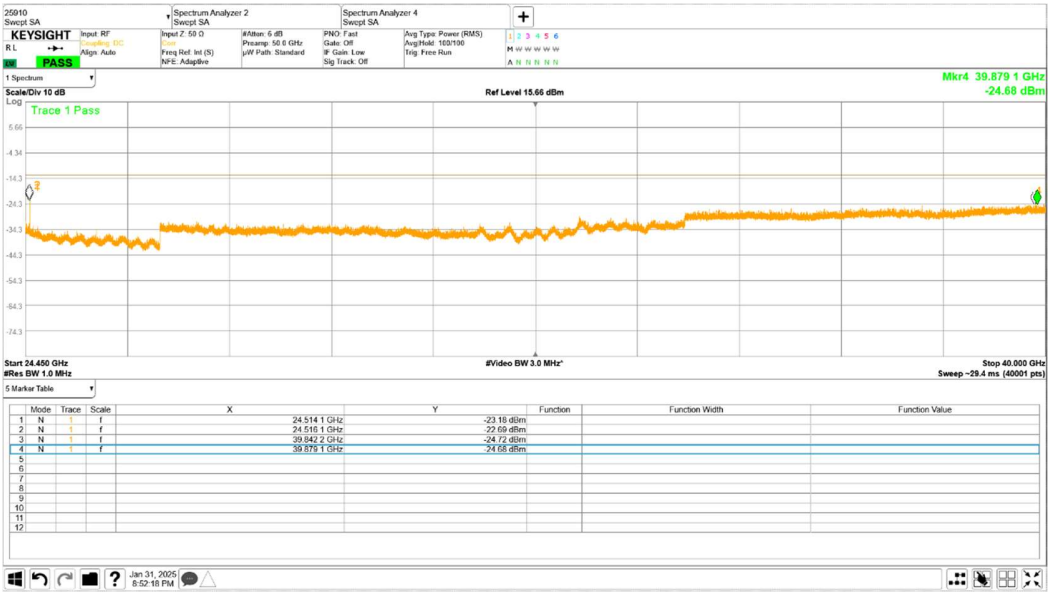
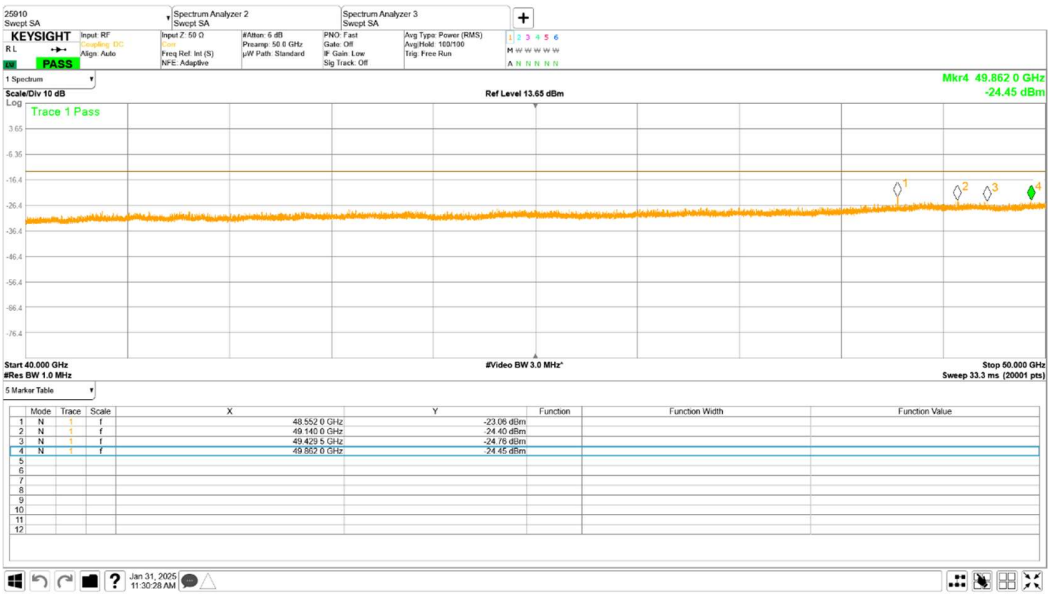
Ant M n258 SB1 BW 100MHz	 High Channel / Horizontal
Ant M n258 SB1 BW 100MHz	 High Channel / Vertical

Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

40 – 50 GHz Result

Ant M n258 SB1 BW 50MHz	 Low Channel / Horizontal
Ant M n258 SB1 BW 50MHz	 Low Channel / Vertical

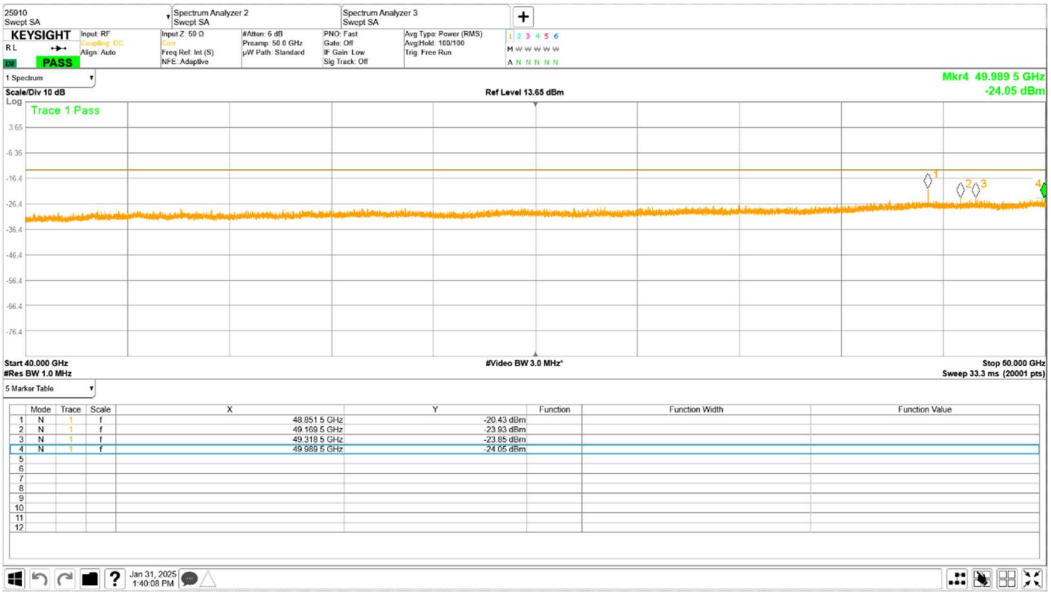
Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Ant M n258 SB1 BW 50MHz	 Mid Channel / Horizontal
Ant M n258 SB1 BW 50MHz	 Mid Channel / Vertical

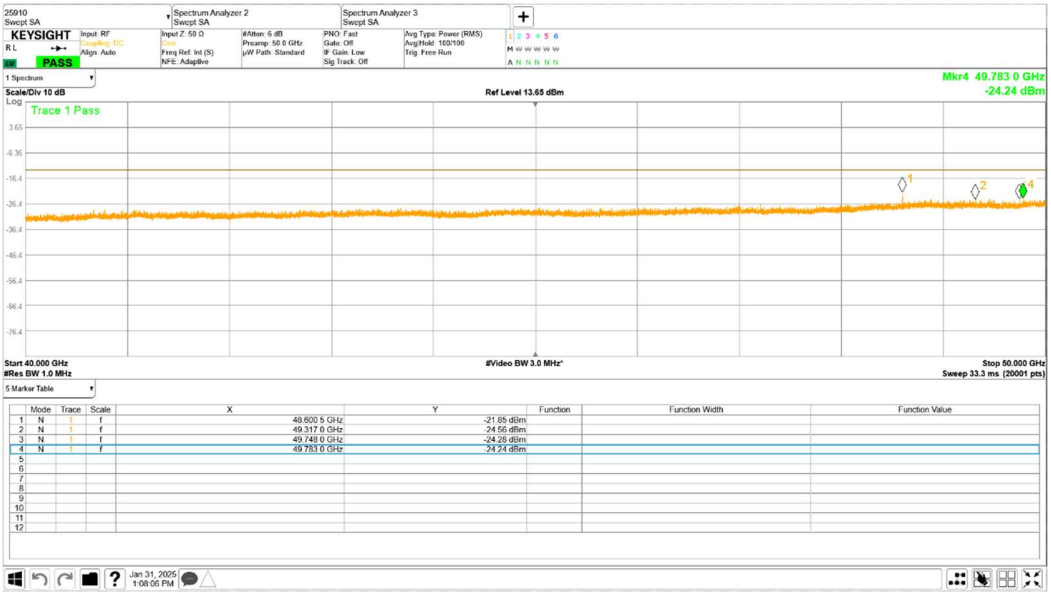
Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Ant M n258 SB1 BW 50MHz	 High Channel / Horizontal
Ant M n258 SB1 BW 50MHz	 High Channel / Vertical

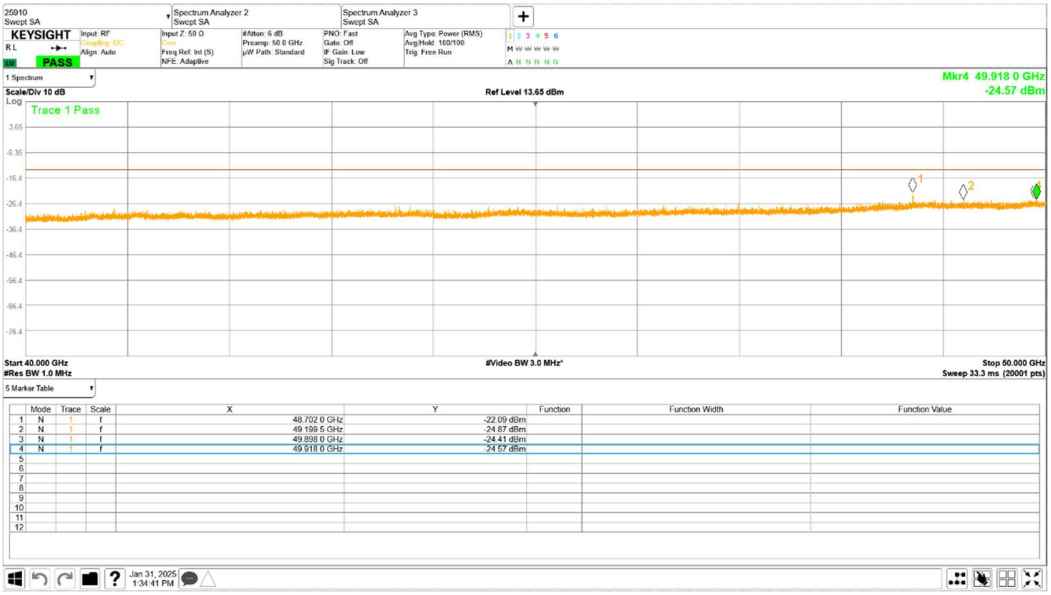
Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Ant M n258 SB1 BW 100MHz	 Low Channel / Horizontal
Ant M n258 SB1 BW 100MHz	 Low Channel / Vertical

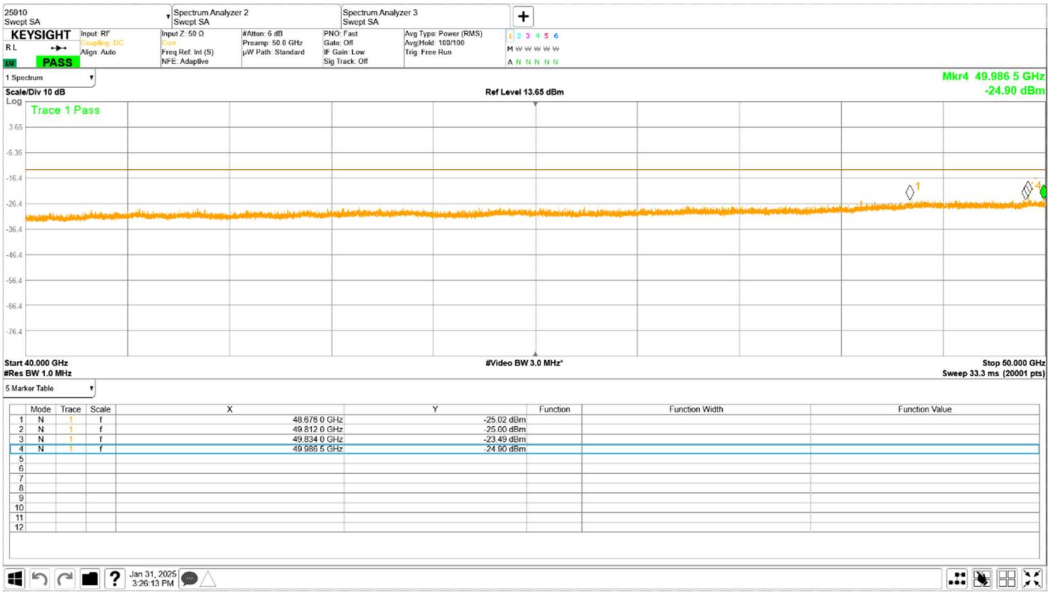
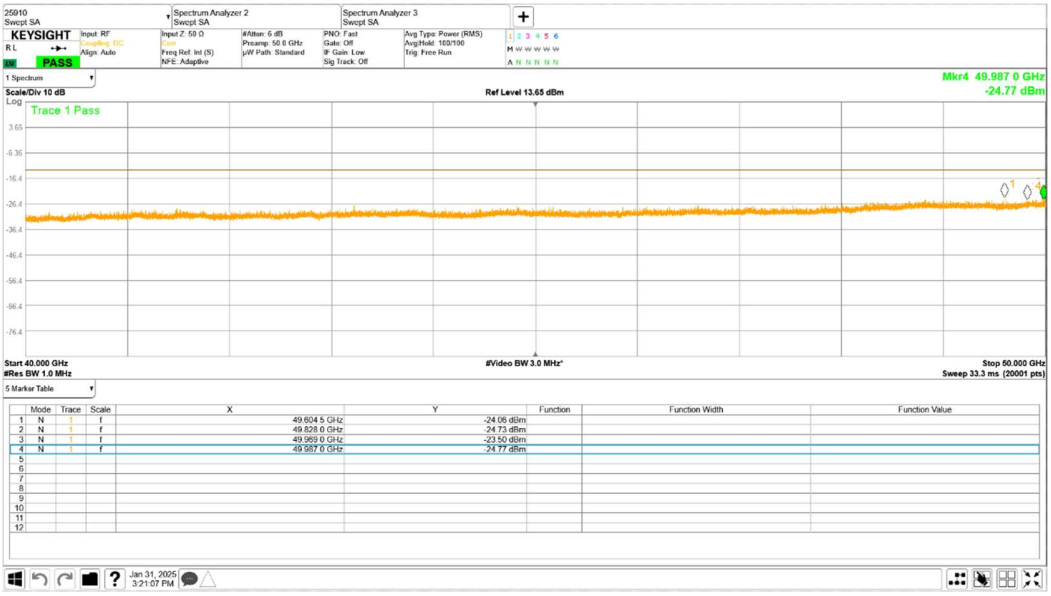
Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Ant M n258 SB1 BW 100MHz	 Mid Channel / Horizontal
Ant M n258 SB1 BW 100MHz	 Mid Channel / Vertical

Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

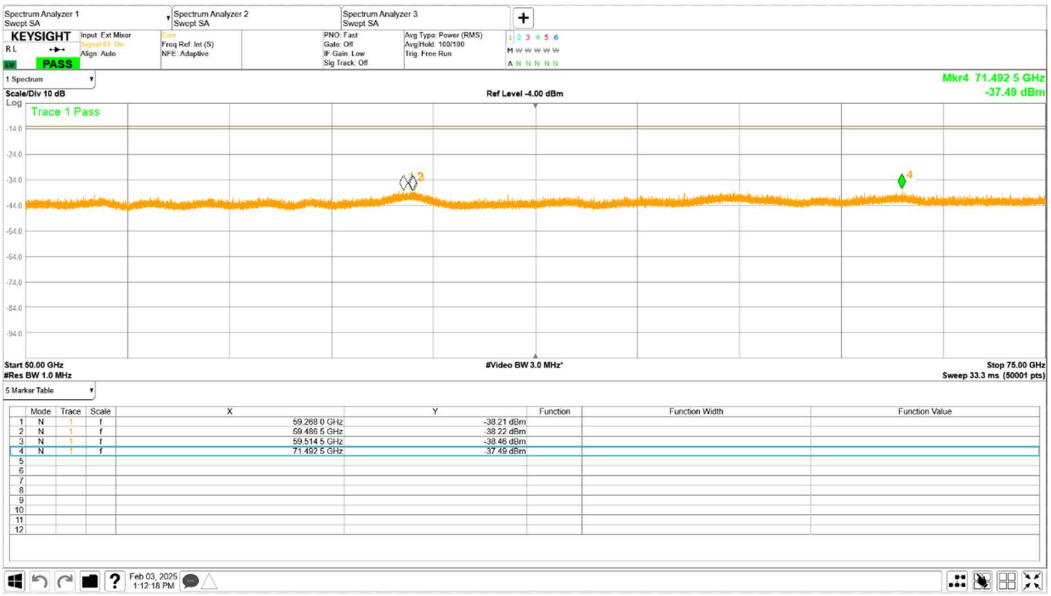
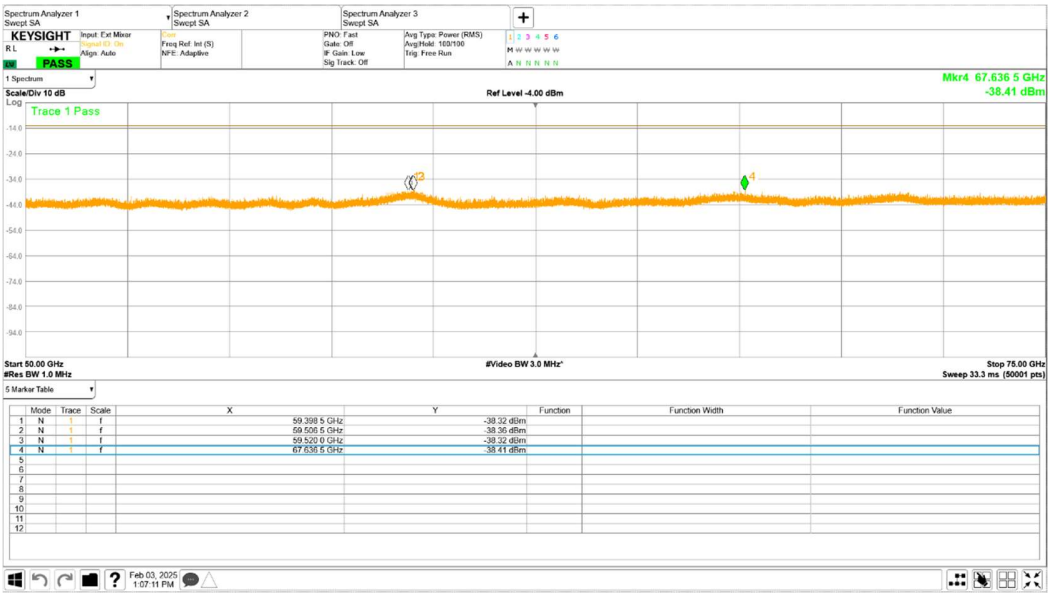
UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Ant M n258 SB1 BW 100MHz	 High Channel / Horizontal
Ant M n258 SB1 BW 100MHz	 High Channel / Vertical

Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

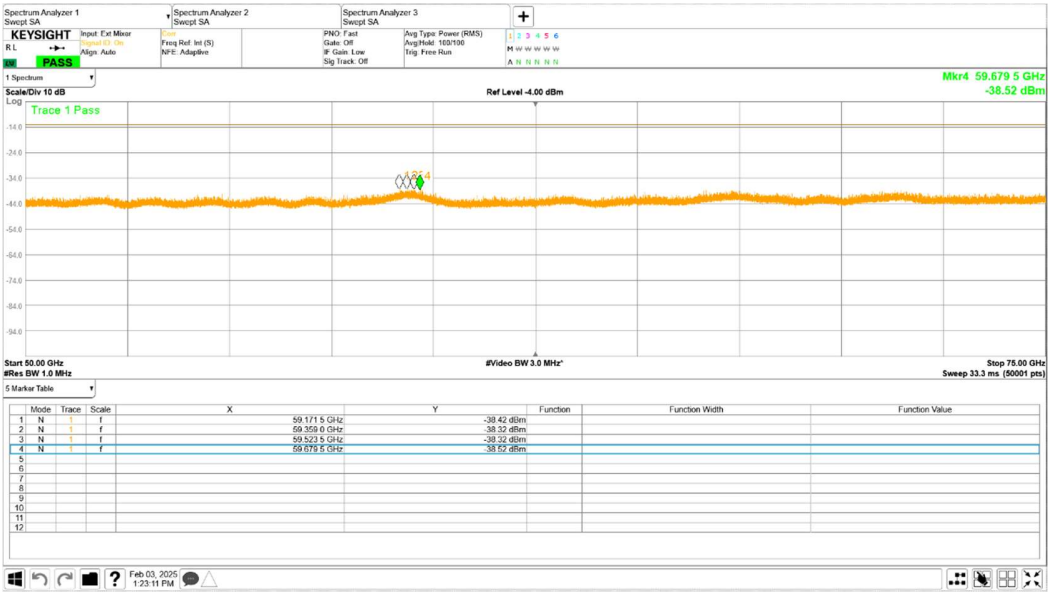
UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

50 – 75 GHz Result

Ant M n258 SB1 BW 50MHz	 Mid Channel / Horizontal
Ant M n258 SB1 BW 50MHz	 Mid Channel / Vertical

All channels were investigated, but no emission above the noise floor was detected.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Ant M n258 SB1 BW 100MHz	 Mid Channel / Horizontal
Ant M n258 SB1 BW 100MHz	 Mid Channel / Vertical

All channels were investigated, but no emission above the noise floor was detected.

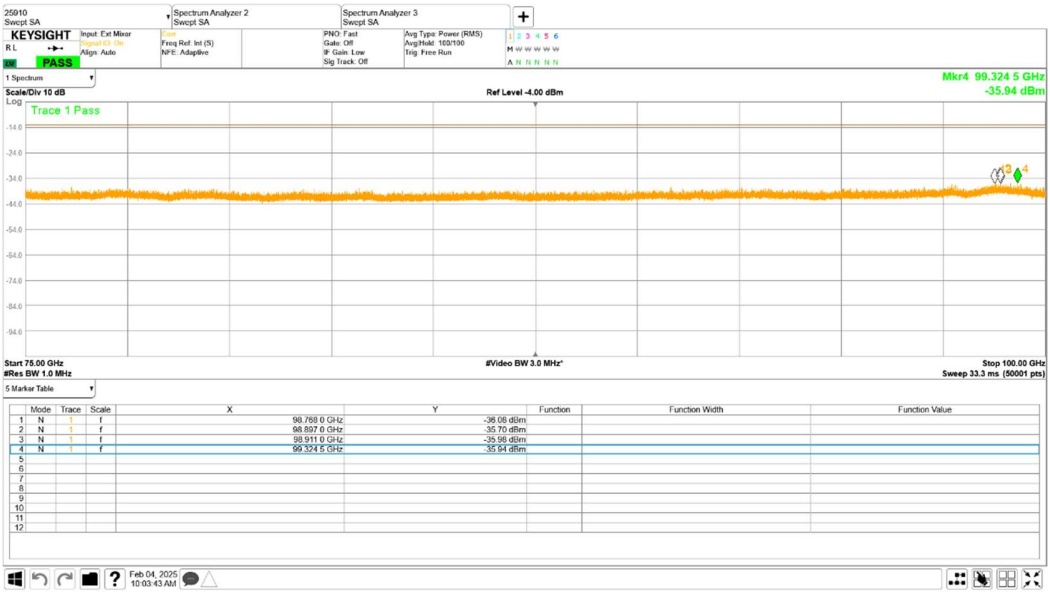
UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

75 – 100 GHz Result

Ant M n258 SB1 BW 50MHz	 Mid Channel / Horizontal
Ant M n258 SB1 BW 50MHz	 Mid Channel / Vertical

All channels were investigated, but no emission above the noise floor was detected.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

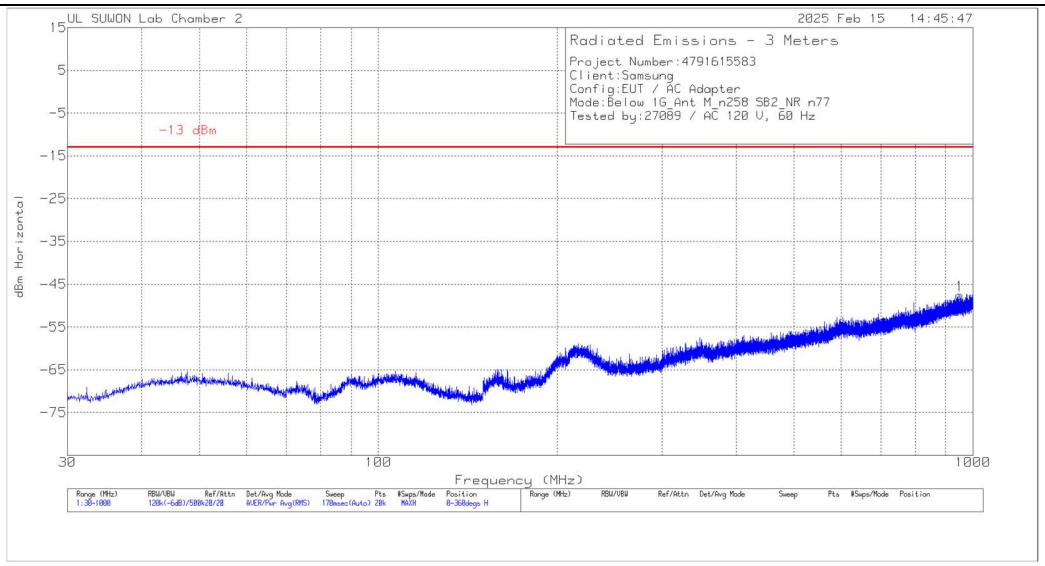
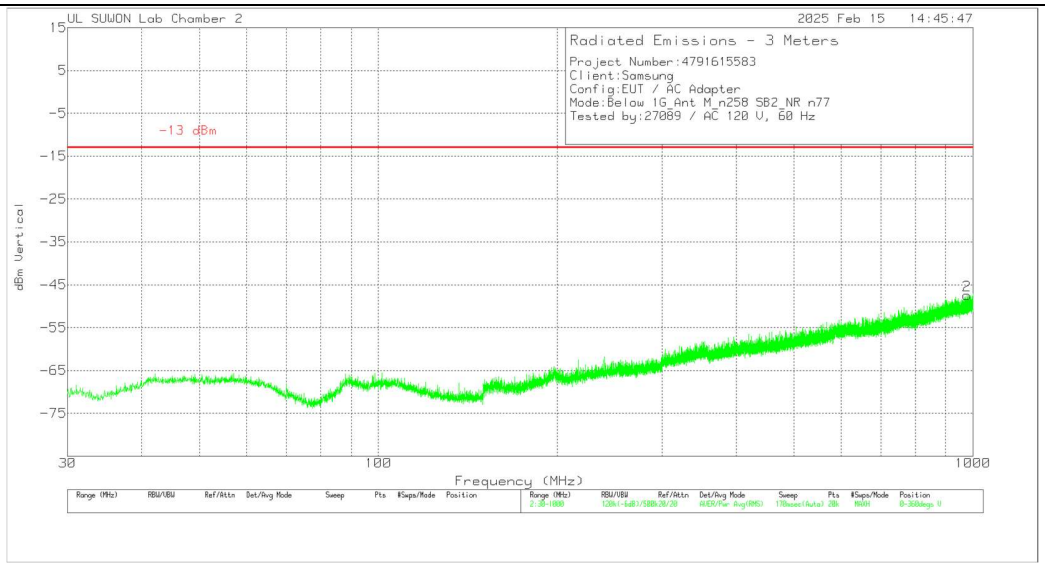
Ant M n258 SB1 BW 100MHz	 Mid Channel / Horizontal
Ant M n258 SB1 BW 100MHz	 Mid Channel / Vertical

All channels were investigated, but no emission above the noise floor was detected.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Antenna 1 / Ant M / n258 SB2

30 – 1000 MHz Result

Ant M n258 SB2	 Mid Channel / Horizontal
Ant M n258 SB2	 Mid Channel / Vertical

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	Antenna Correction Factor(dB/m)	Loss(dB)	Conversion Factor[dB]	Corrected Reading dBm	Limit [dBm]	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	950.1526	-59.79	RMS	27.9	-27.5	11.8	-47.59	-13	-34.59	0-360	200	H
2	976.584	-60.16	RMS	28	-27.1	11.8	-47.46	-13	-34.46	0-360	300	V

RMS - RMS detection

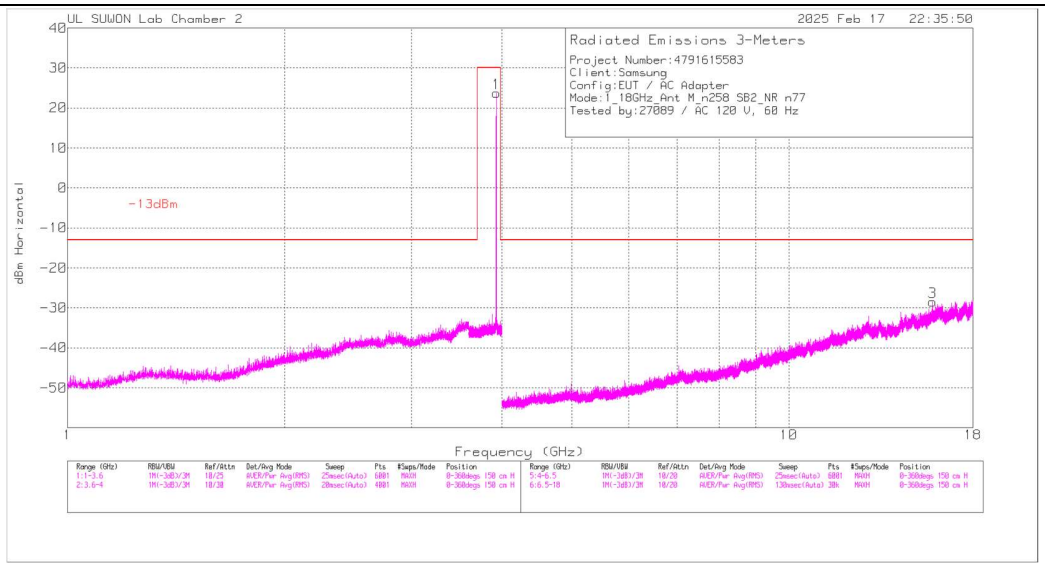
No emissions were detected above noise floor this antenna and band.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

1 – 18 GHz Result

Ant M

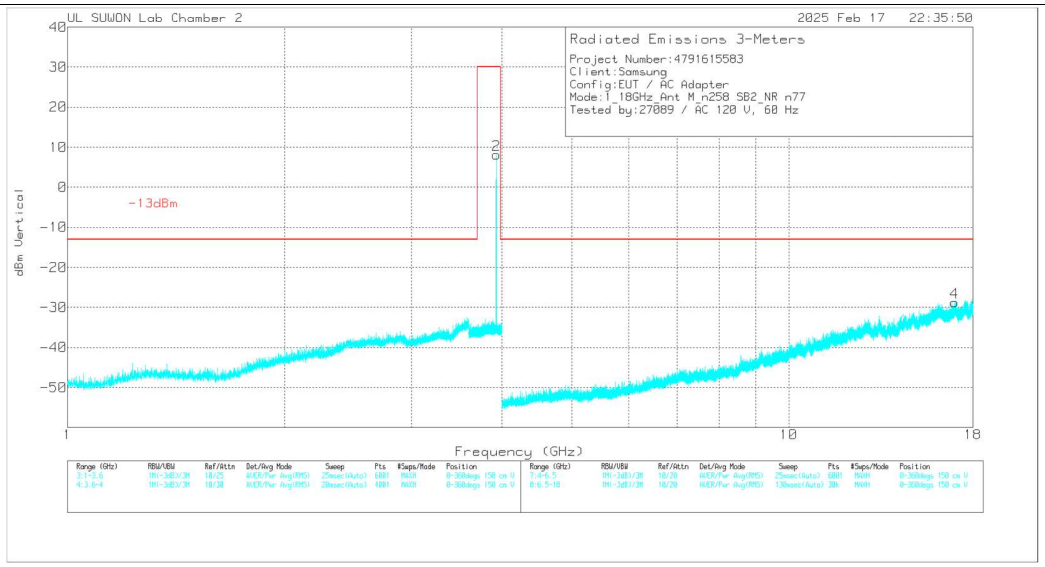
n258 SB2



Mid Channel / Horizontal

Ant M

n258 SB2



Mid Channel / Vertical

Trace Markers

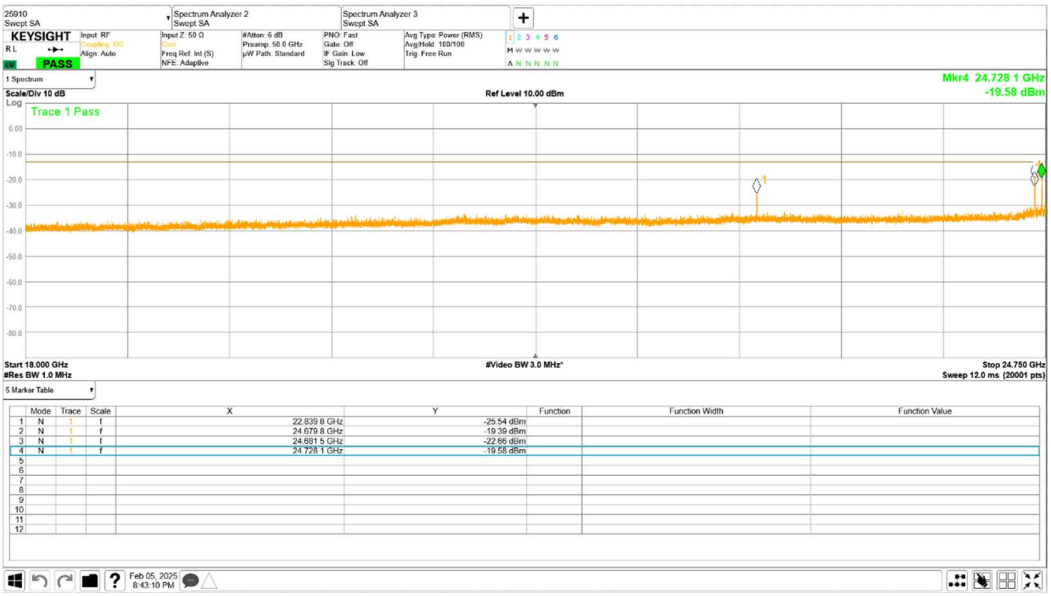
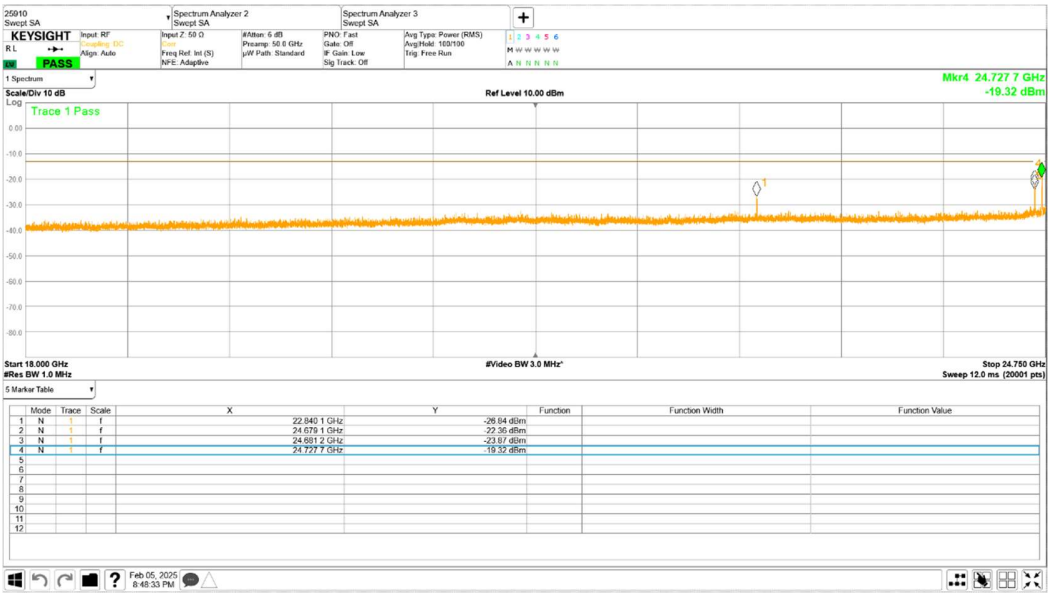
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	Antenna Correction Factor(dB/m)	Loss(dB)	Conversion Factor[dB]	Corrected Reading dBm	Limit [dBm]	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
**1	3.9307	1.67	RMS	33.2	-22.9	11.8	23.77	30	-6.23	0-360	150	H
**2	3.9305	-13.98	RMS	33.2	-22.9	11.8	8.12	30	-21.88	0-360	150	V
3	15.8147	-61.14	RMS	40.2	-19.3	11.8	-28.44	-13	-15.44	0-360	150	H
4	16.97578	-62.48	RMS	41	-19	11.8	-28.68	-13	-15.68	0-360	150	V

RMS - RMS detection

** Marker 1 and 2 were the fundamental signal of 5GNR Band 77 that was used as a representative anchor band for NR-DC investigations.
No emissions were detected above the noise floor which was at least 20dB below the specification limit.

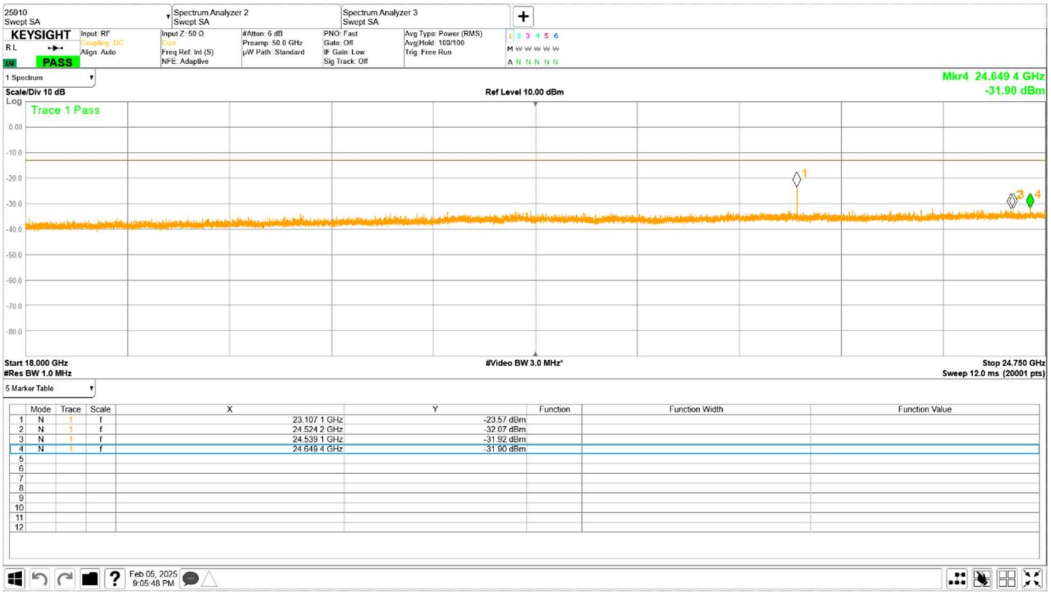
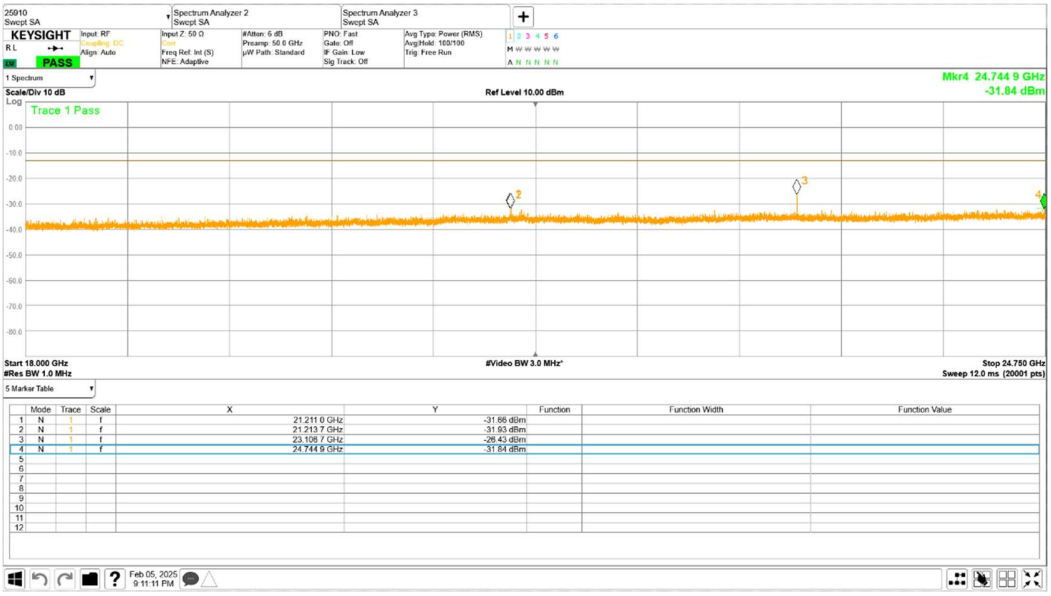
UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

18 – 24.75 GHz

Ant M n258 SB2 BW 50MHz	 Low Channel / Horizontal
Ant M n258 SB2 BW 50MHz	 Low Channel / Vertical

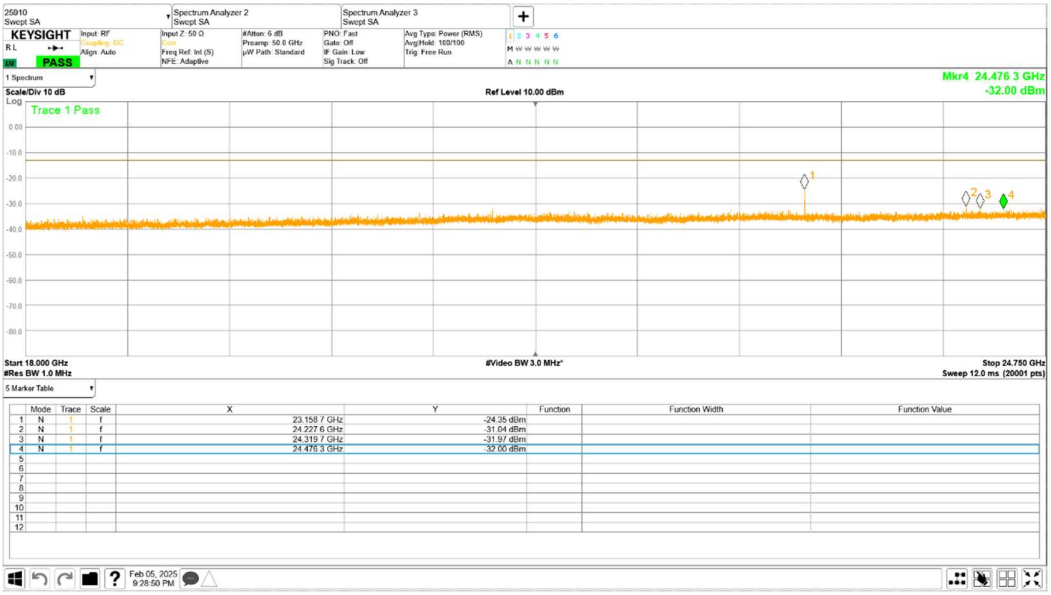
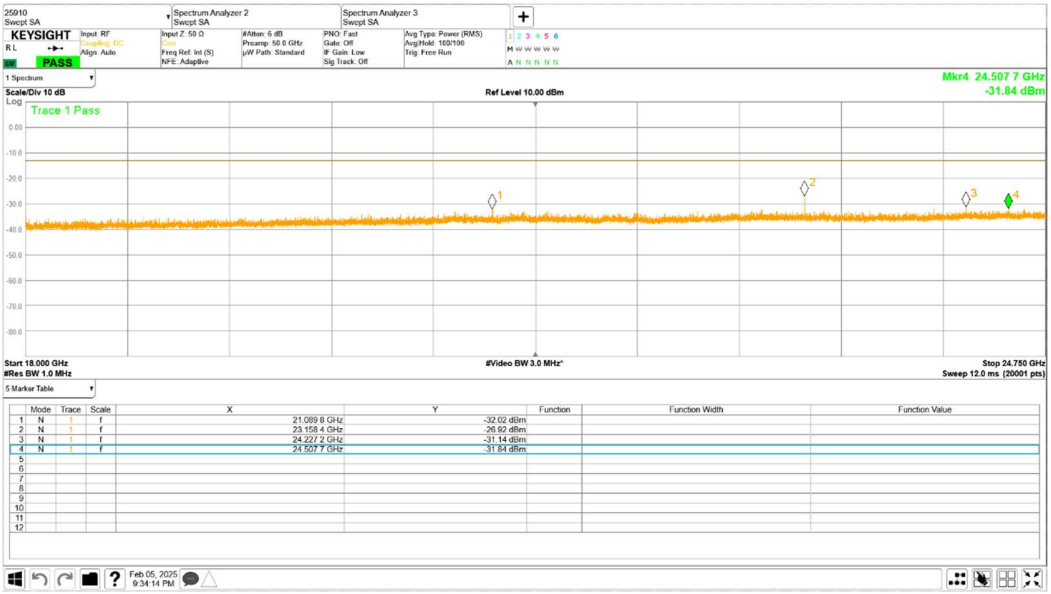
Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Ant M n258 SB2 BW 50MHz	 Mid Channel / Horizontal
Ant M n258 SB2 BW 50MHz	 Mid Channel / Vertical

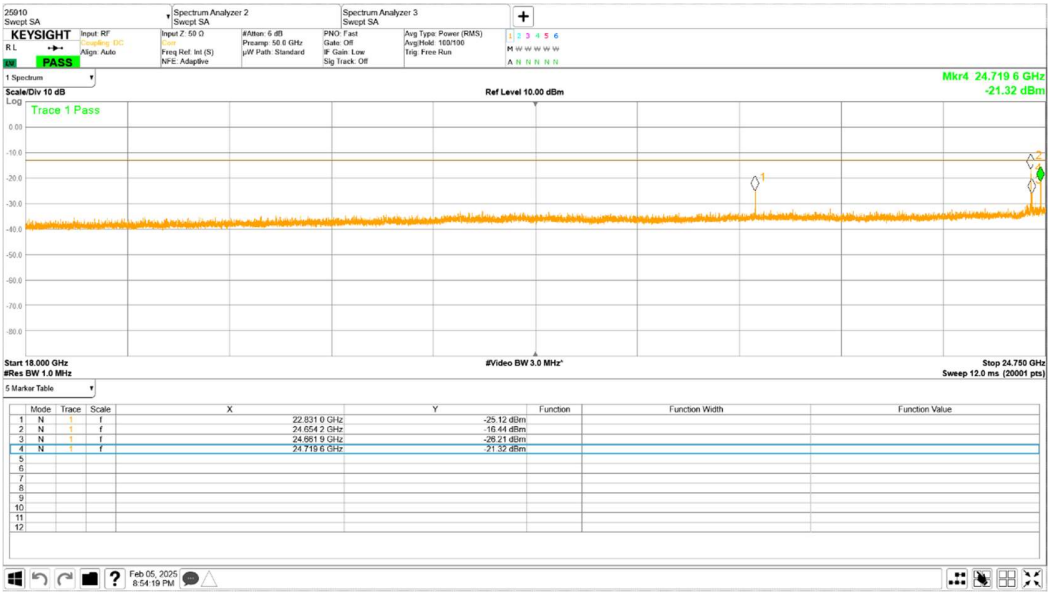
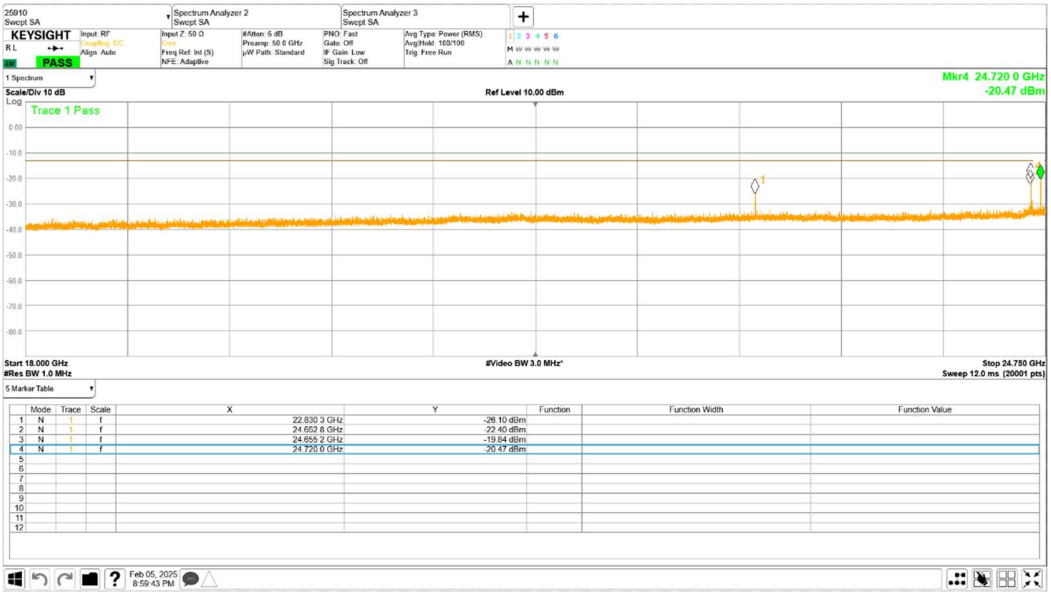
Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Ant M n258 SB2 BW 50MHz	 High Channel / Horizontal
Ant M n258 SB2 BW 50MHz	 High Channel / Vertical

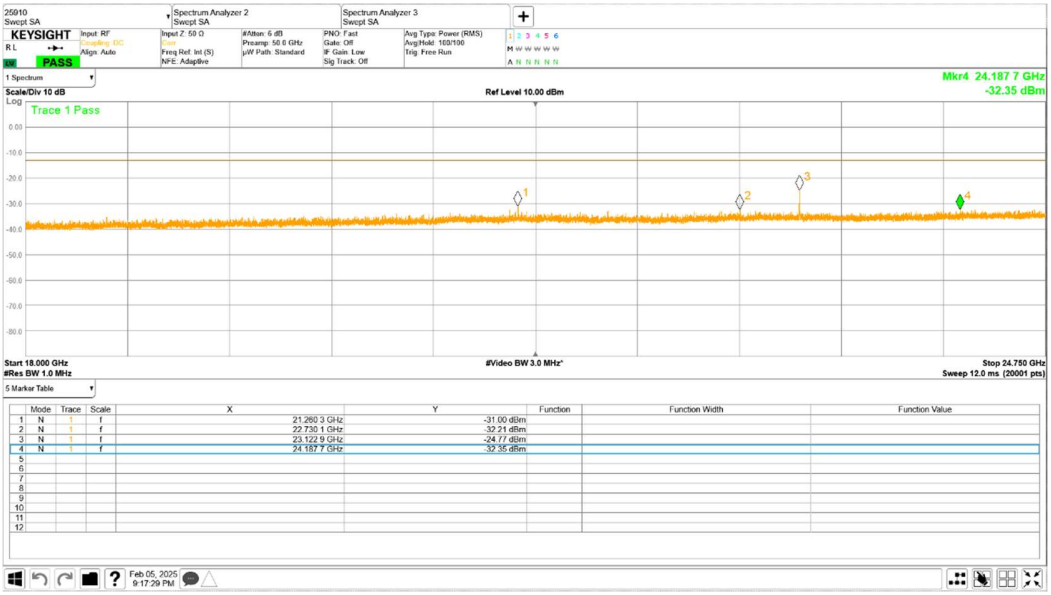
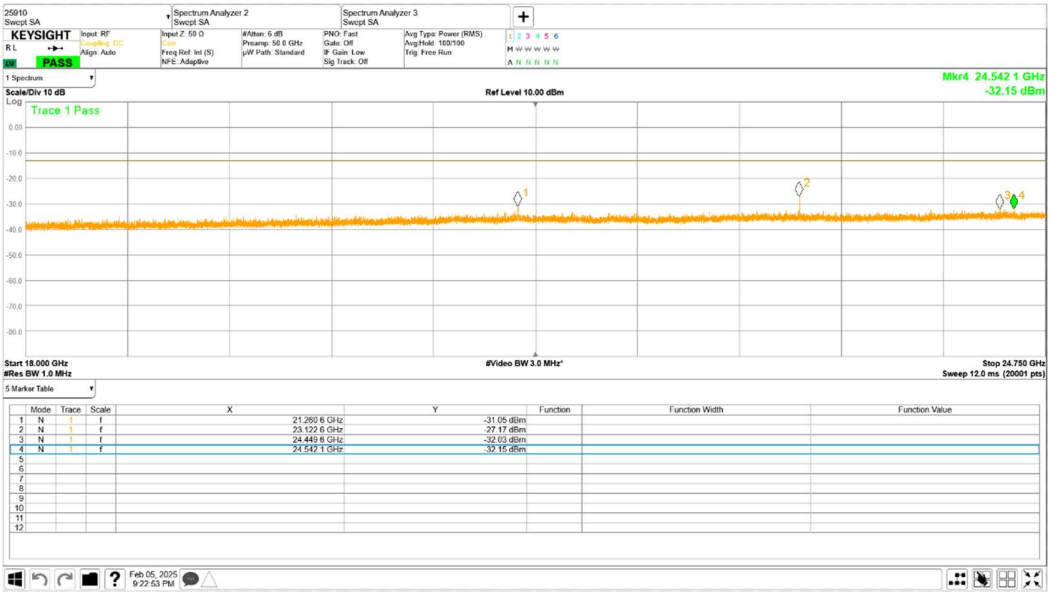
Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Ant M n258 SB2 BW 100MHz	 Low Channel / Horizontal
Ant M n258 SB2 BW 100MHz	 Low Channel / Vertical

Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.

Ant M n258 SB2 BW 100MHz	 Mid Channel / Horizontal
Ant M n258 SB2 BW 100MHz	 Mid Channel / Vertical

Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

UL KOREA LTD. Confidential
This report shall not be reproduced except in full, without the written approval of UL Korea, Ltd.