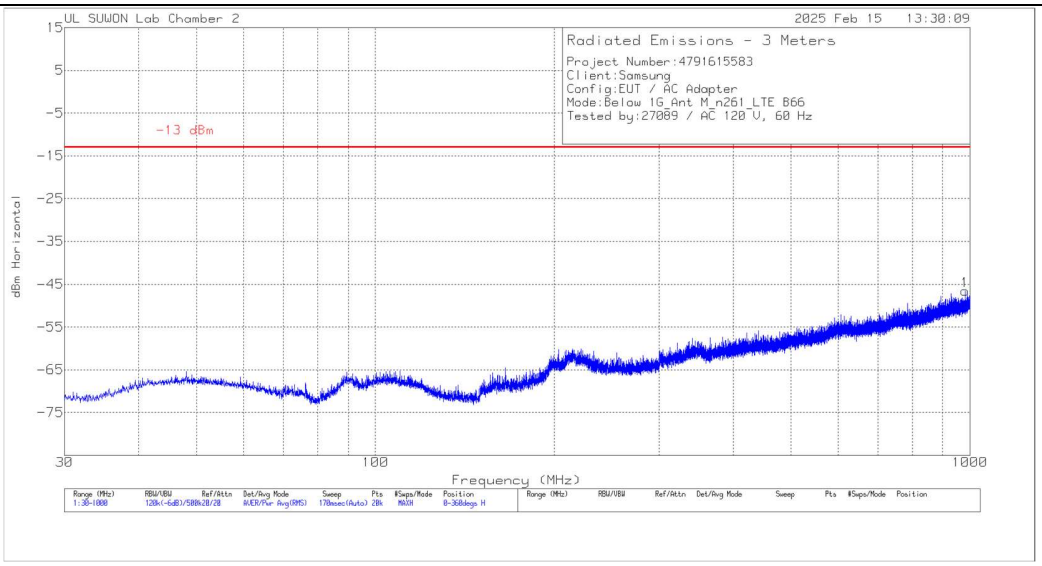
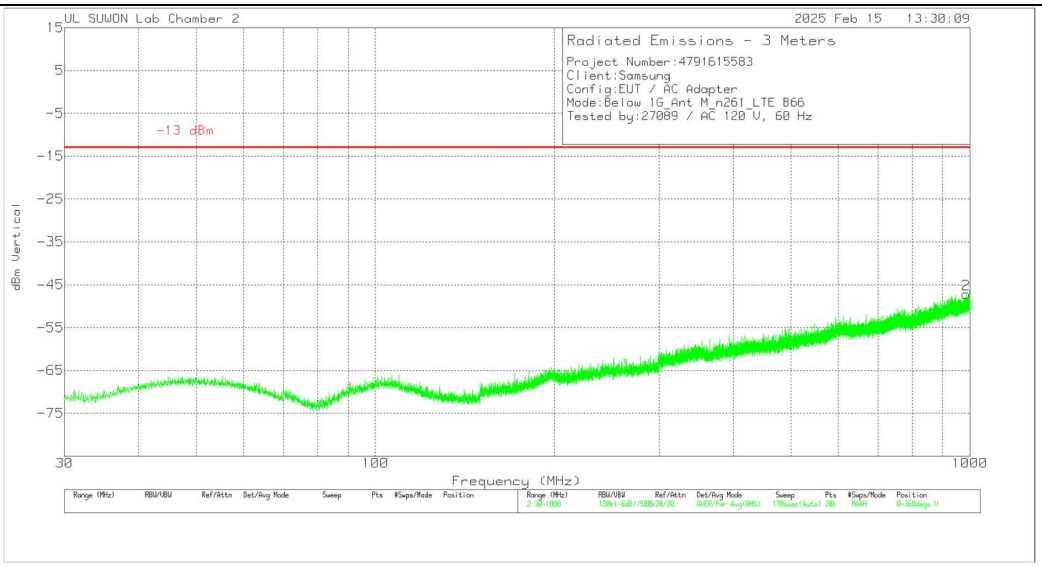
Antenna 1 / Ant M / n261

30 – 1000 MHz Result

Ant M n261	 Mid Channel / Horizontal
Ant M n261	 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	981.0943	-59.42	RMS	28.1	-27.1	11.8	-46.62	-13	-33.62	0-360	200	H
2	985.0711	-59.95	RMS	28.1	-27.1	11.8	-47.15	-13	-34.15	0-360	100	V

RMS - RMS detection

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

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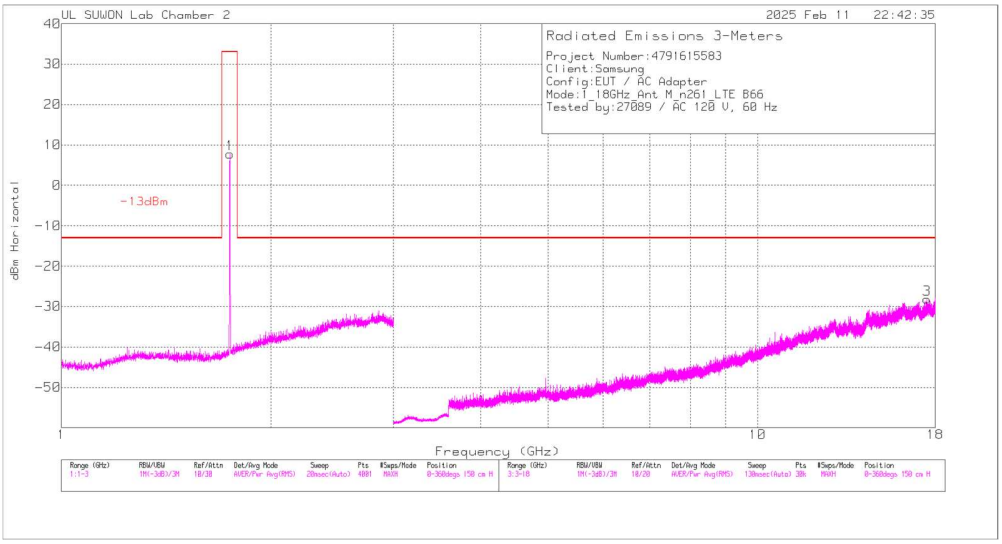
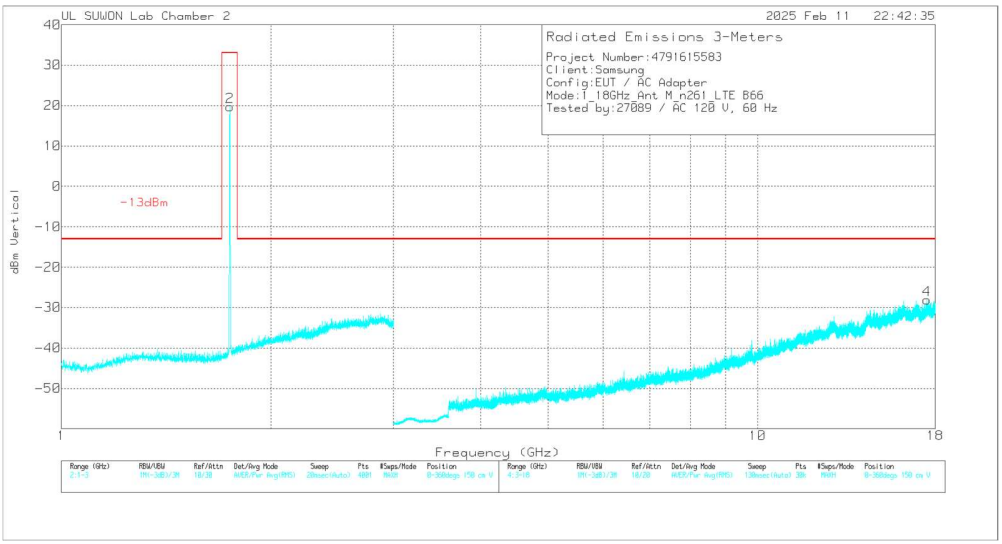
1 – 18 GHz Result

Ant M n261	 Mid Channel / Horizontal
Ant M n261	 Mid Channel / Vertical

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	Antenna Correction Factor(dB)	Loss(dB)	Conversion Factor[dB]	Corrected Reading dBm	Limit [dBm]	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
**1	1.745	-6.99	RMS	29	-26.1	11.8	7.71	33	-25.29	0-360	150	H
**2	1.745	5.01	RMS	29	-26.1	11.8	19.71	33	-13.29	0-360	150	V
3	17.52151	-61.46	RMS	41.1	-19.6	11.8	-28.16	-13	-15.16	0-360	150	H
4	17.52001	-61.39	RMS	41.1	-19.6	11.8	-28.09	-13	-15.09	0-360	150	V

RMS - RMS detection

** Marker 1 and 2 were the fundamental signal of LTE Band 66 that was used as a representative anchor band for EN-DC investigations.
No emissions were detected above the noise floor which was at least 20dB below the specification limit.

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18 – 27.5 GHz

Ant M

n261

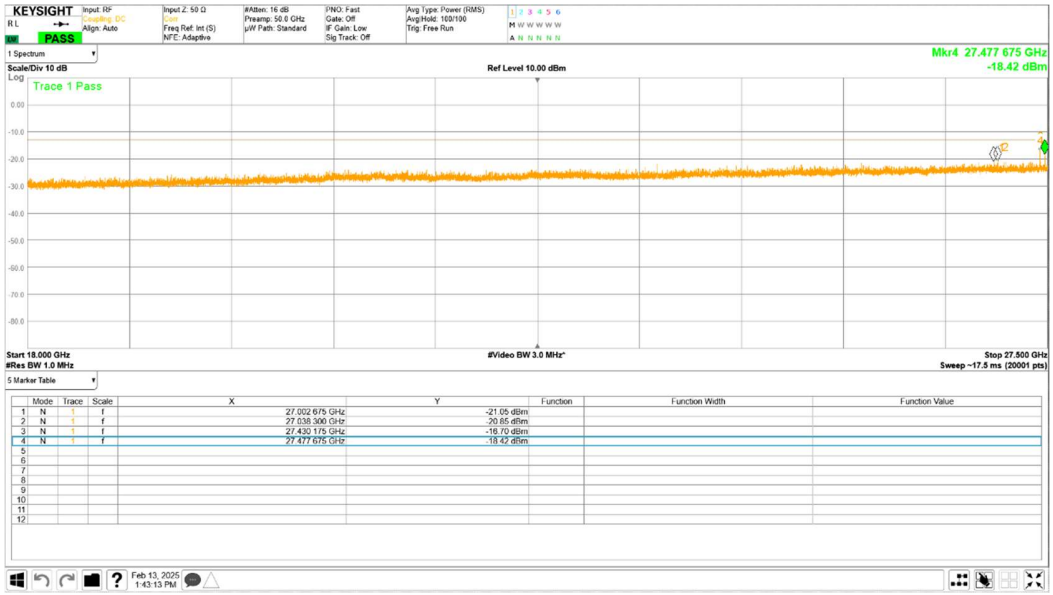
BW 50MHz

Low Channel / Horizontal

Ant M

n261

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.

Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
27.430	50	SISO-Dual	QPSK	H	95.2	154.3	-19.35	-13	6.35
27.430	50	SISO-Dual	QPSK	V	98.4	119.5	-22.02	-13	9.02

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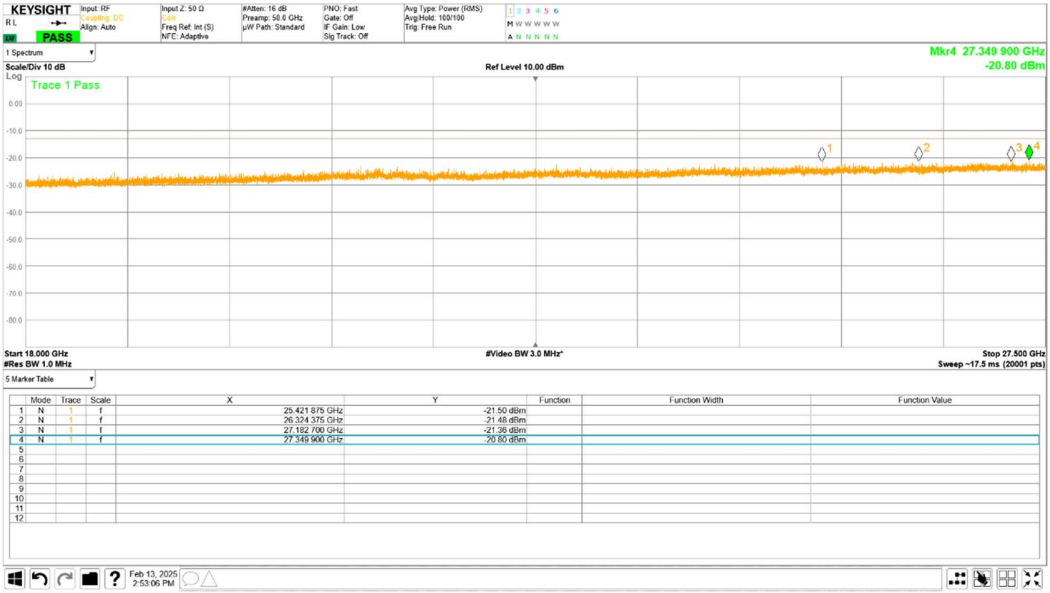
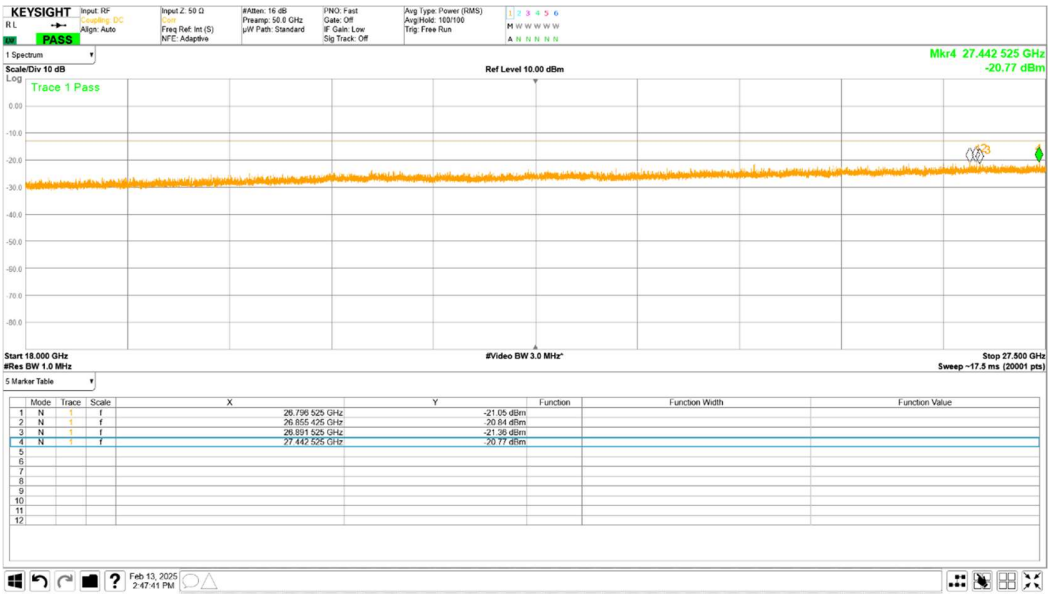
Ant M n261 BW 50MHz	 Mid Channel / Horizontal
Ant M n261 BW 50MHz	 Mid Channel / Vertical

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

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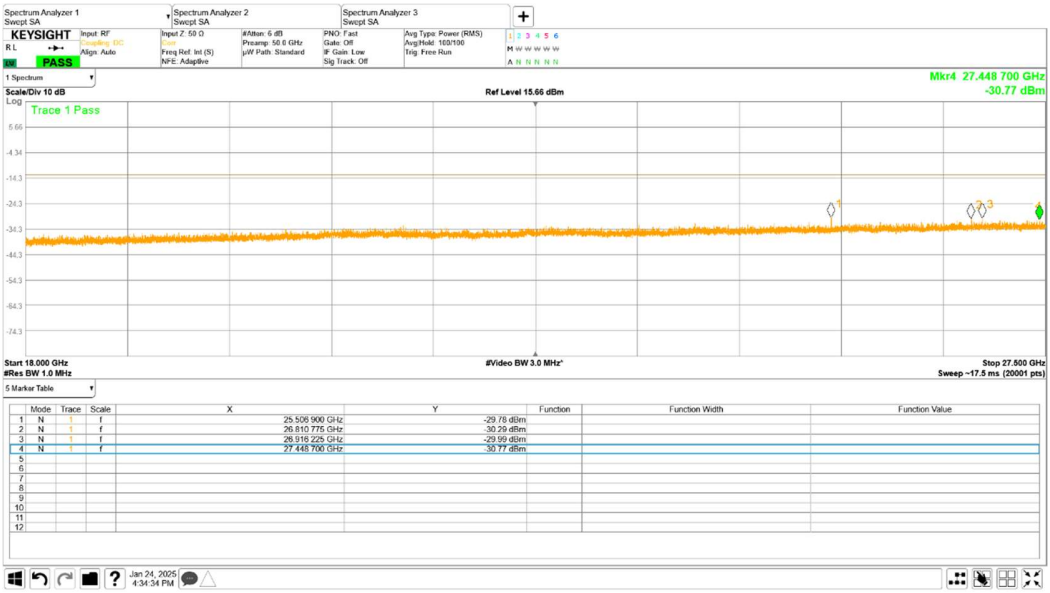
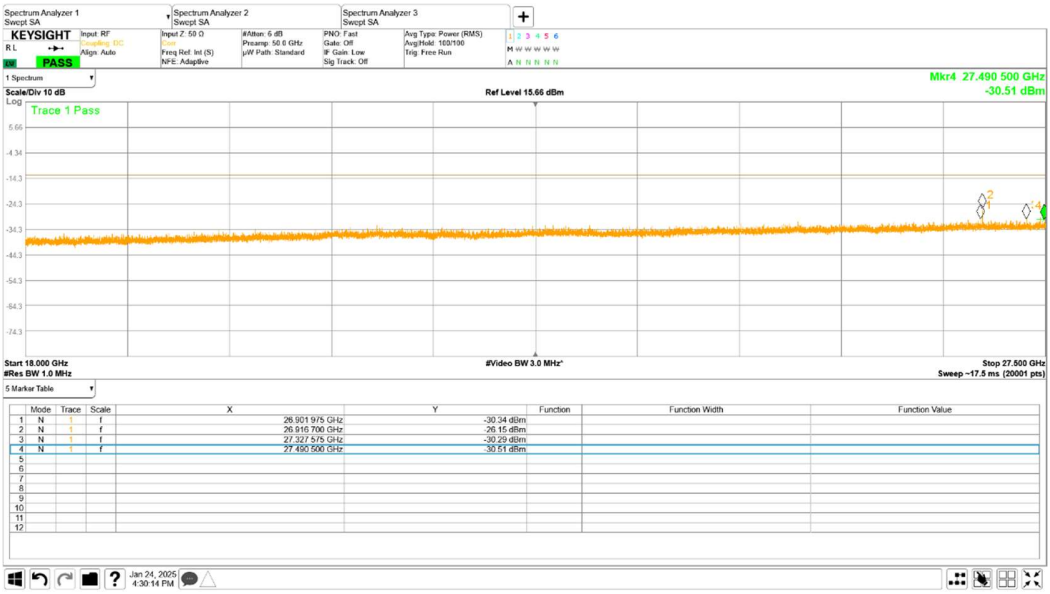
Ant M n261 BW 50MHz	 High Channel / Horizontal
Ant M n261 BW 50MHz	 High Channel / Vertical

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

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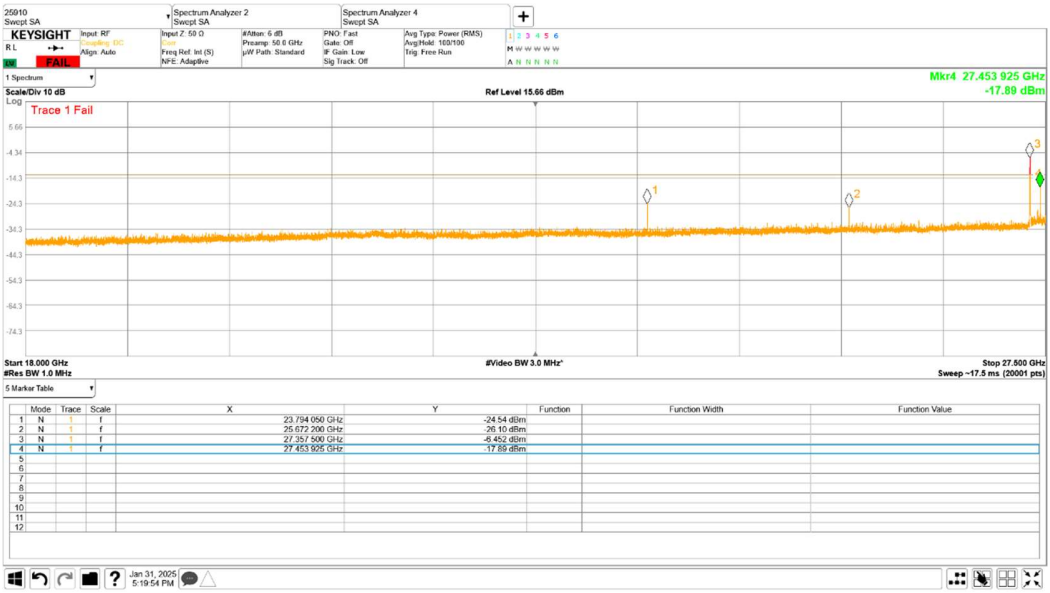
Ant M

n261

BW 100MHz

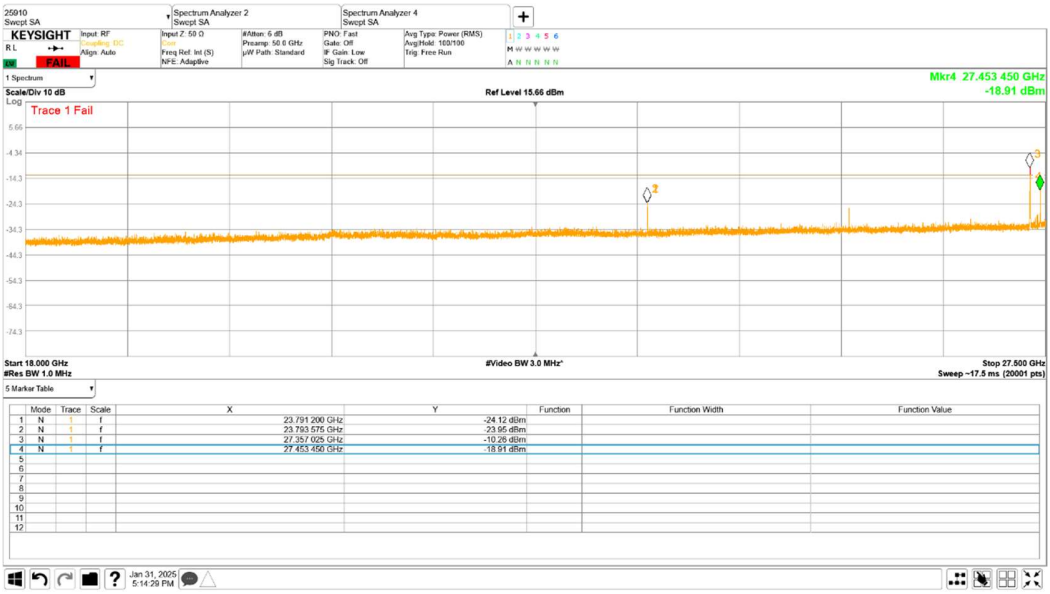


Low Channel / Horizontal

Ant M

n261

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. If the final measurement result exceeds the TRP limit of the EIRP result, a TRP measurement was performed.

Final Measurement Data Table(TRP)

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	TRP [dBm]	Limit [dBm]	Margin [dB]
27.357	100	SISO-Dual	QPSK	--	-25.92	-13	12.92

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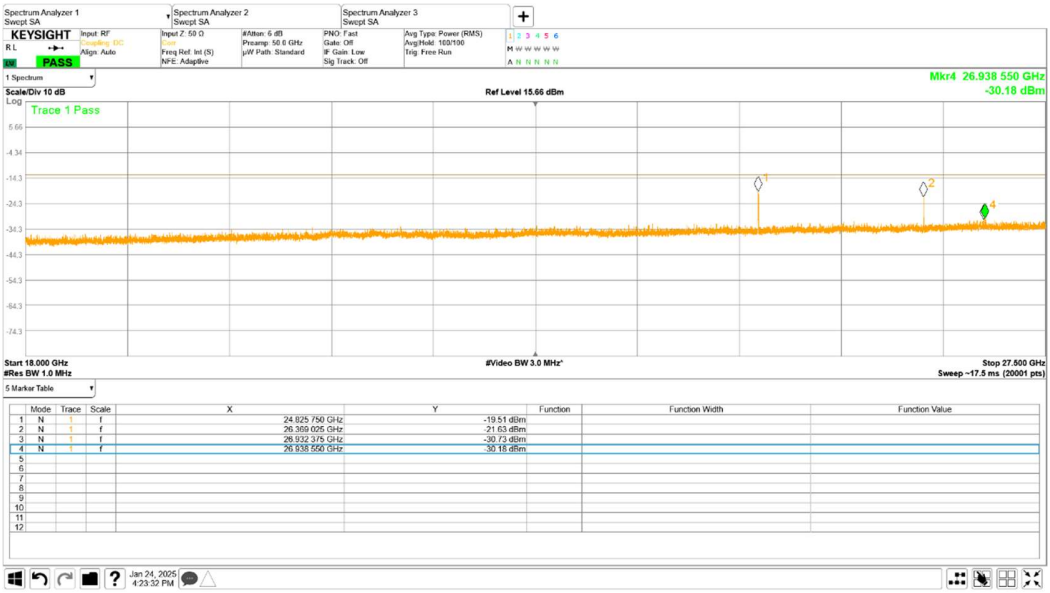
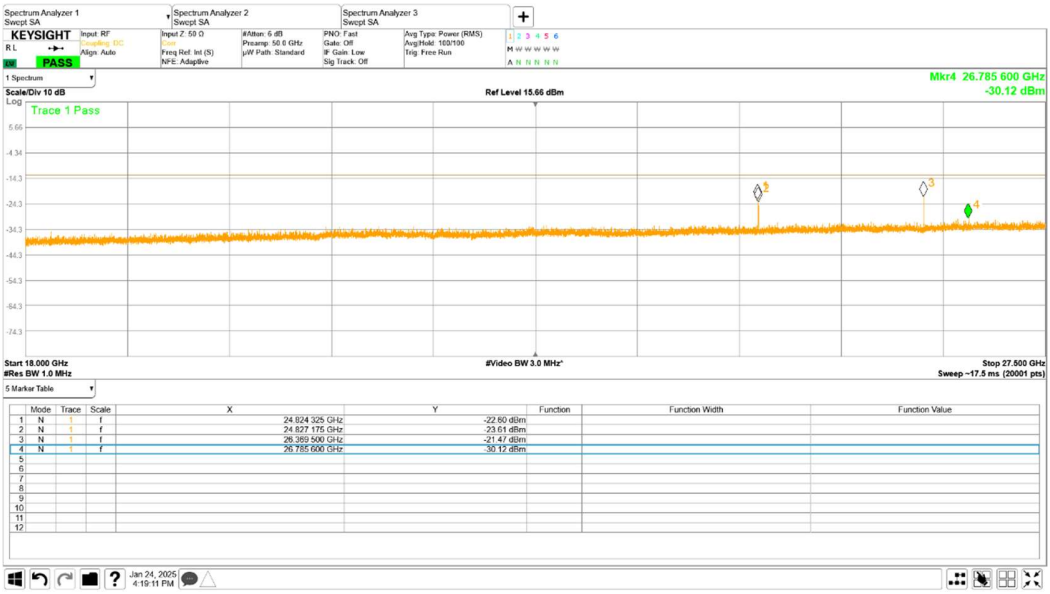
Ant M n261 BW 100MHz	 Mid Channel / Horizontal
Ant M n261 BW 100MHz	 Mid Channel / Vertical

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

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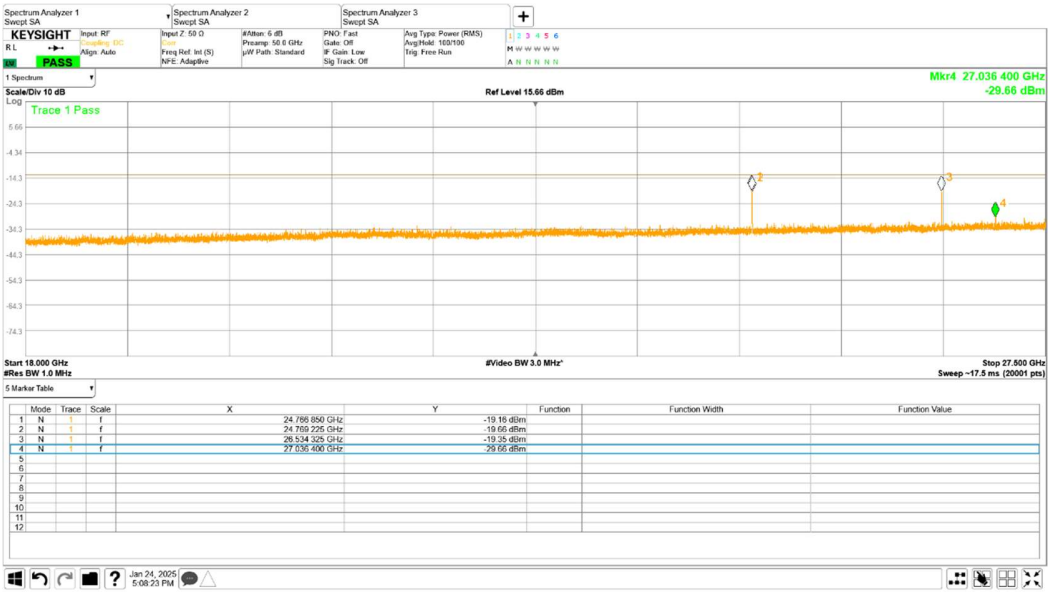
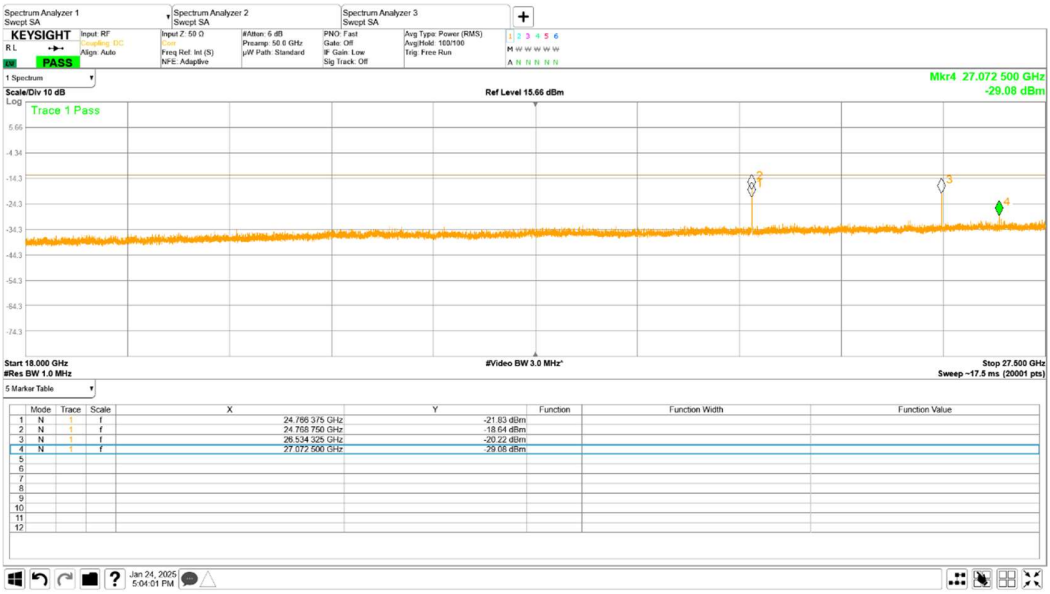
Ant M n261 BW 100MHz	 High Channel / Horizontal
Ant M n261 BW 100MHz	 High Channel / Vertical

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

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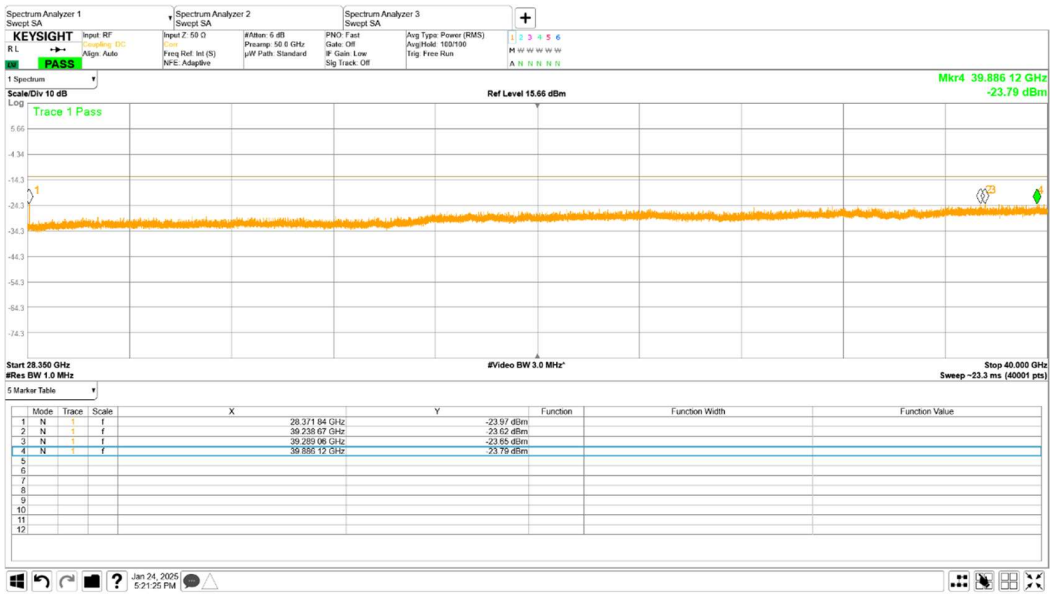
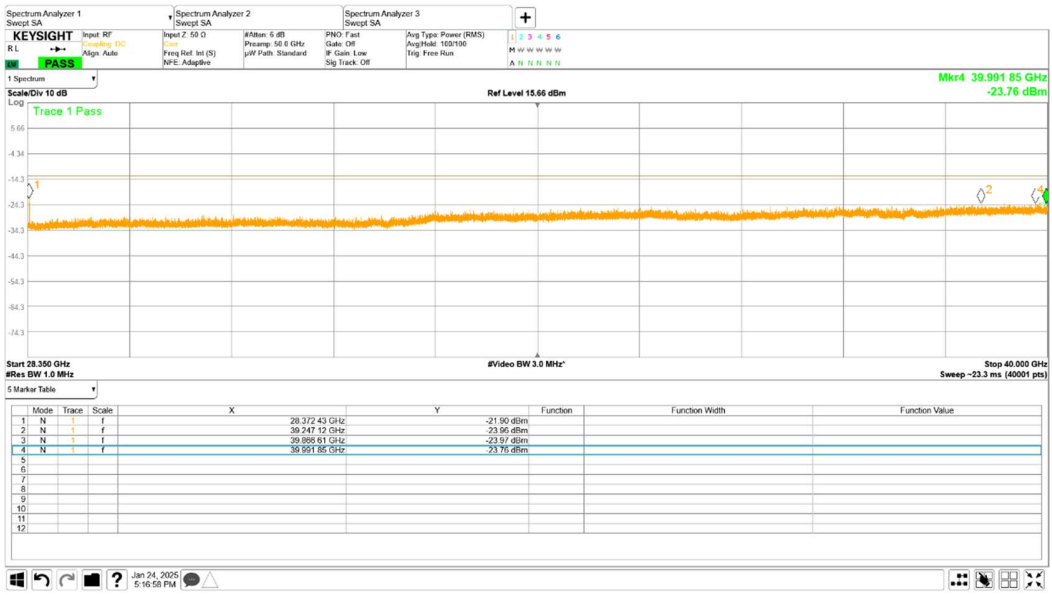
28.35 – 40 GHz Result

Ant M n261 BW 50MHz	 Low Channel / Horizontal
Ant M n261 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.

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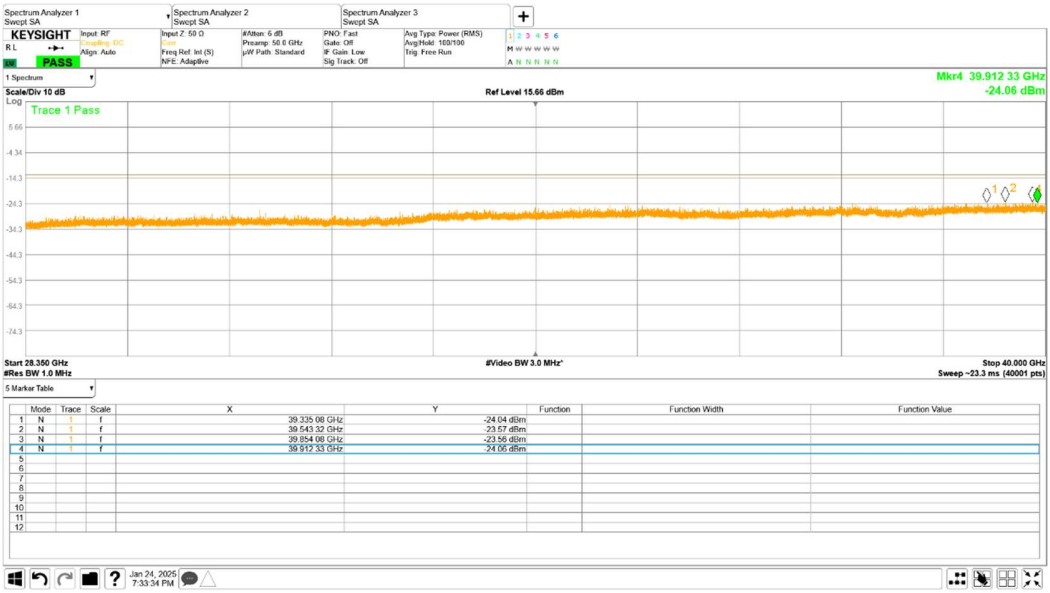
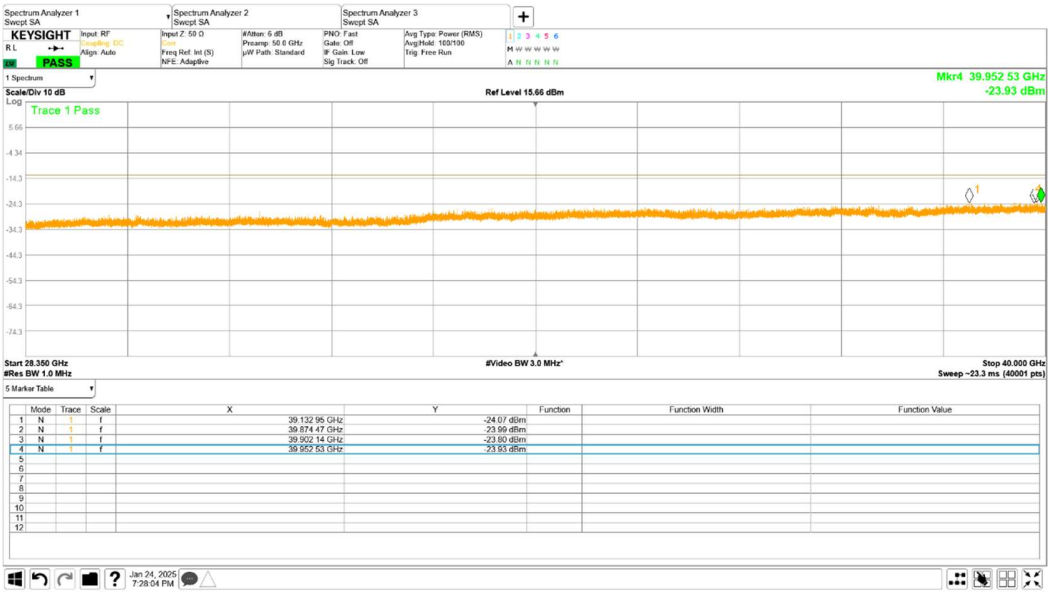
Ant M n261 BW 50MHz	 Mid Channel / Horizontal
Ant M n261 BW 50MHz	 Mid Channel / Vertical

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

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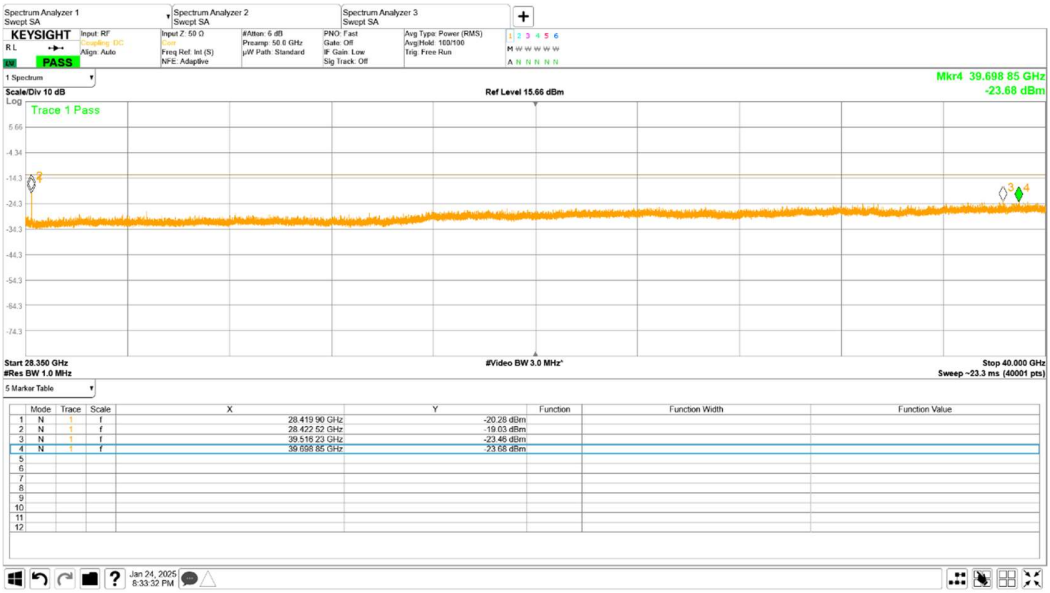
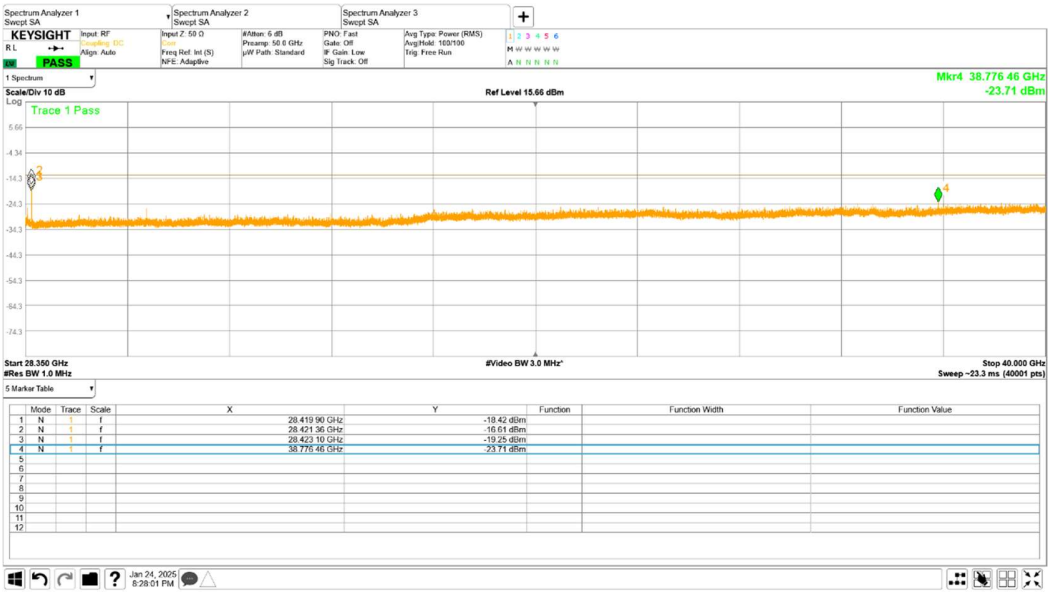
Ant M n261 BW 50MHz	 High Channel / Horizontal
Ant M n261 BW 50MHz	 High Channel / Vertical

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

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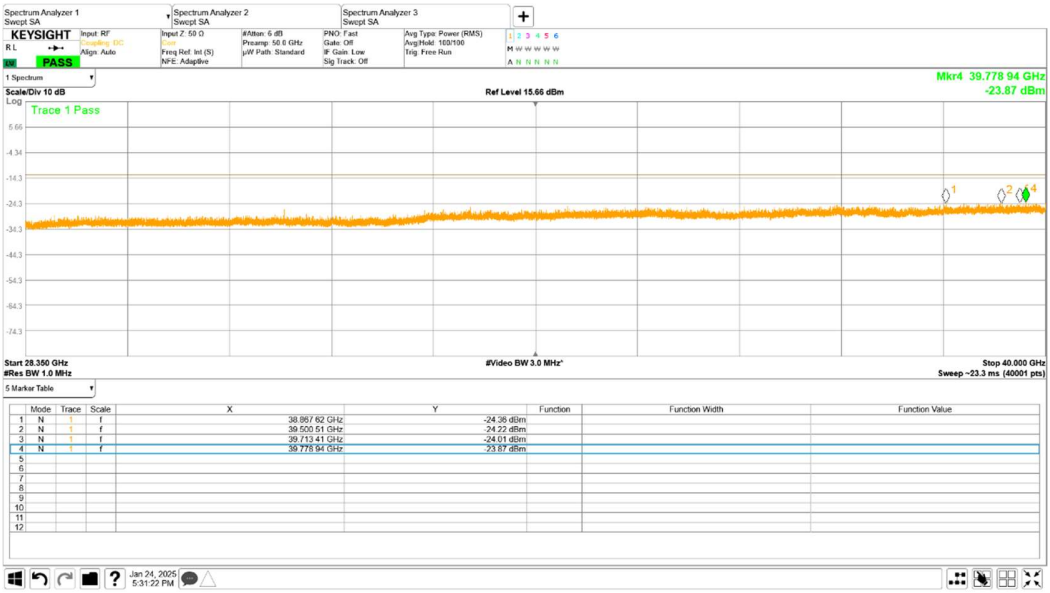
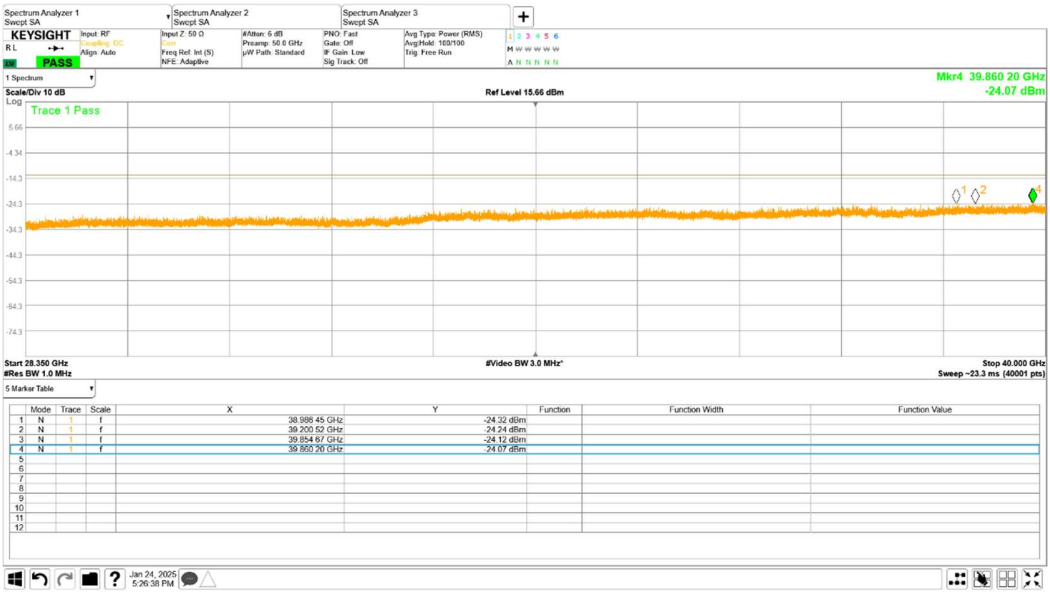
Ant M n261 BW 100MHz	 Low Channel / Horizontal
Ant M n261 BW 100MHz	 Low Channel / Vertical

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

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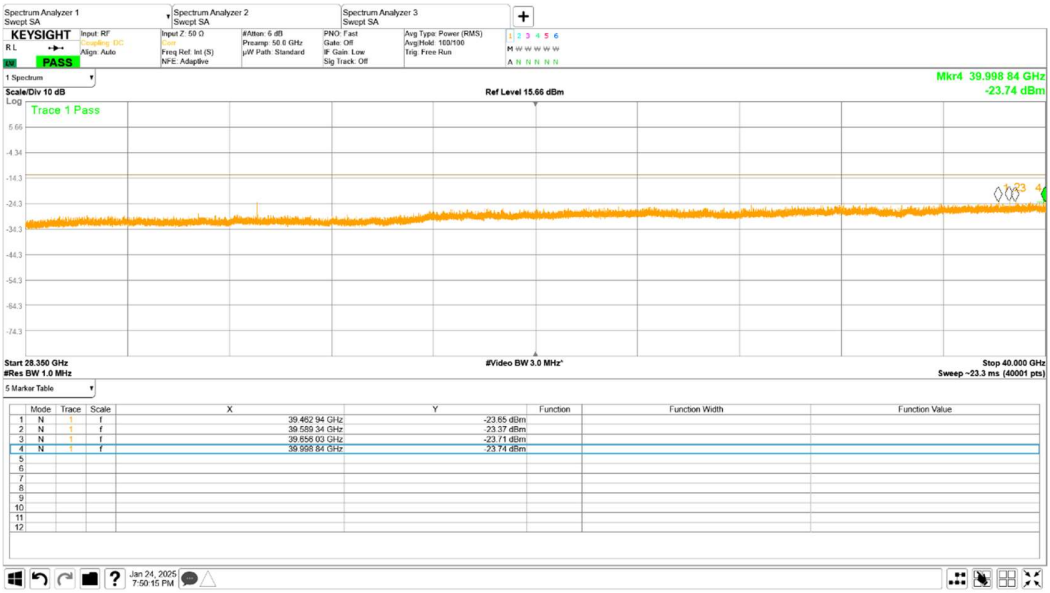
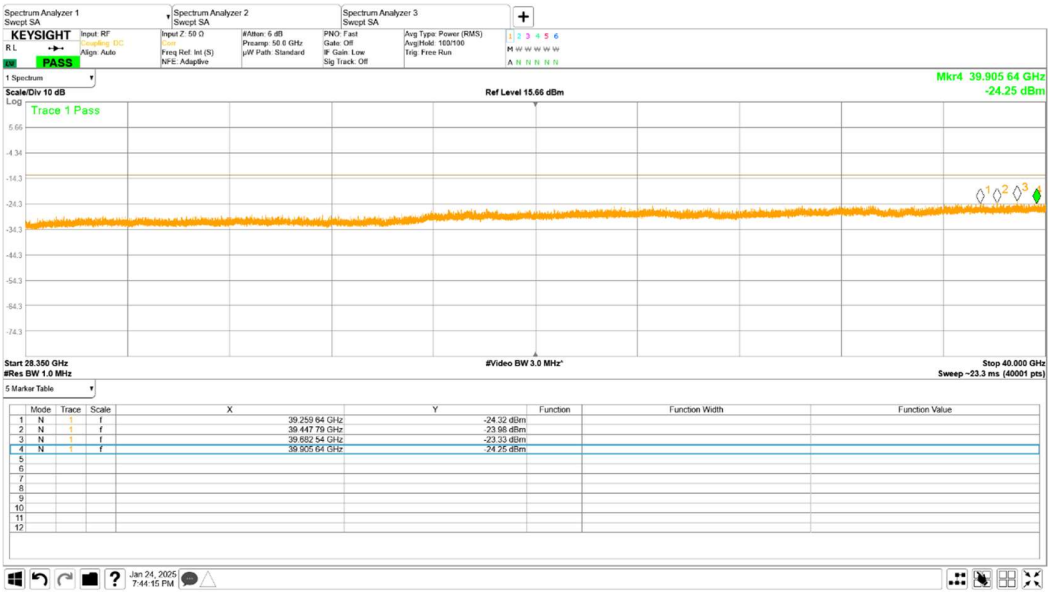
Ant M n261 BW 100MHz	 Mid Channel / Horizontal
Ant M n261 BW 100MHz	 Mid Channel / Vertical

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

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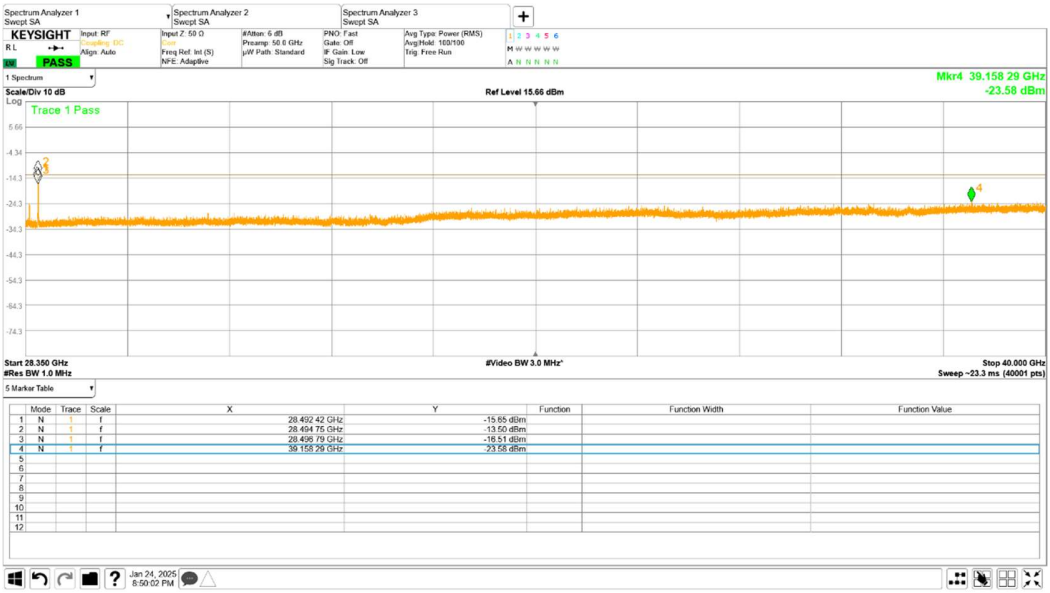
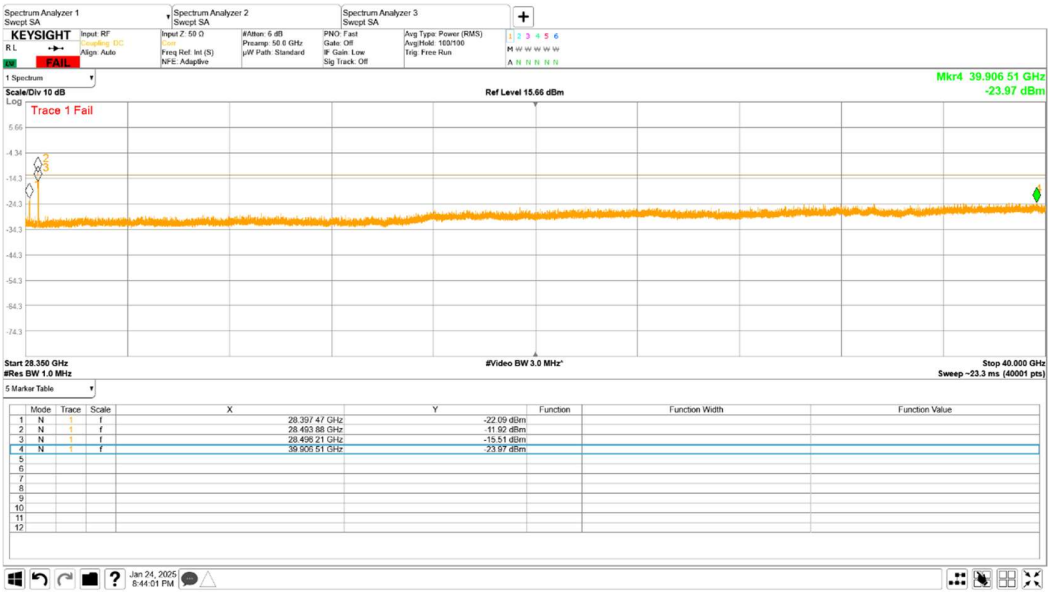
Ant M n261 BW 100MHz	 High Channel / Horizontal
Ant M n261 BW 100MHz	 High Channel / Vertical

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

Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
28.495	100	SISO-Dual	QPSK	H	102.0	110.8	-21.33	-13	8.33
28.494	100	SISO-Dual	QPSK	V	100.0	164.5	-20.49	-13	7.49

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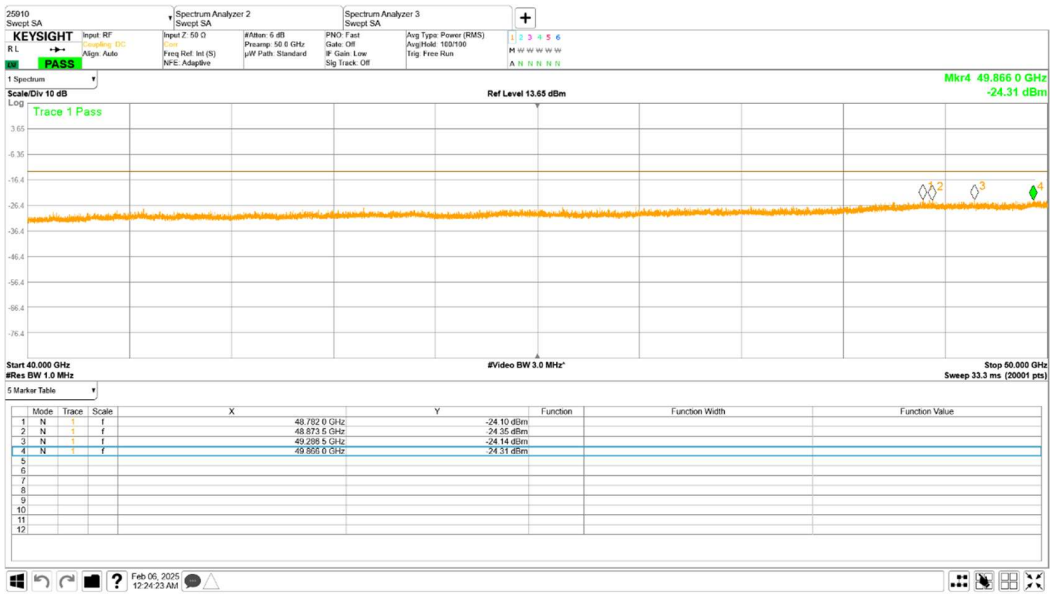
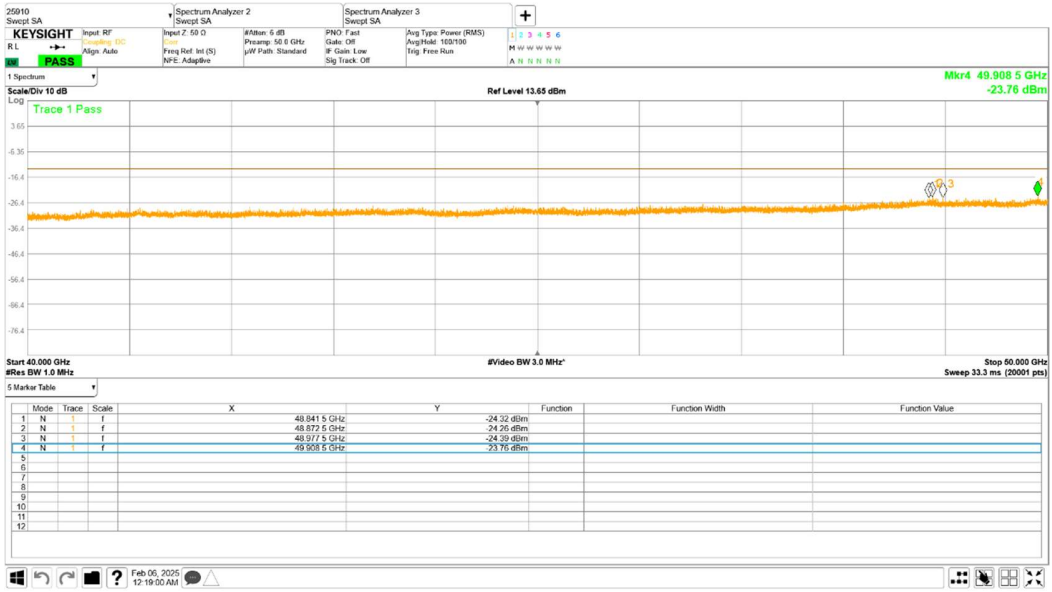
40 – 50 GHz Result

Ant M n261 BW 50MHz	 Mid Channel / Horizontal
Ant M n261 BW 50MHz	 Mid Channel / Vertical

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

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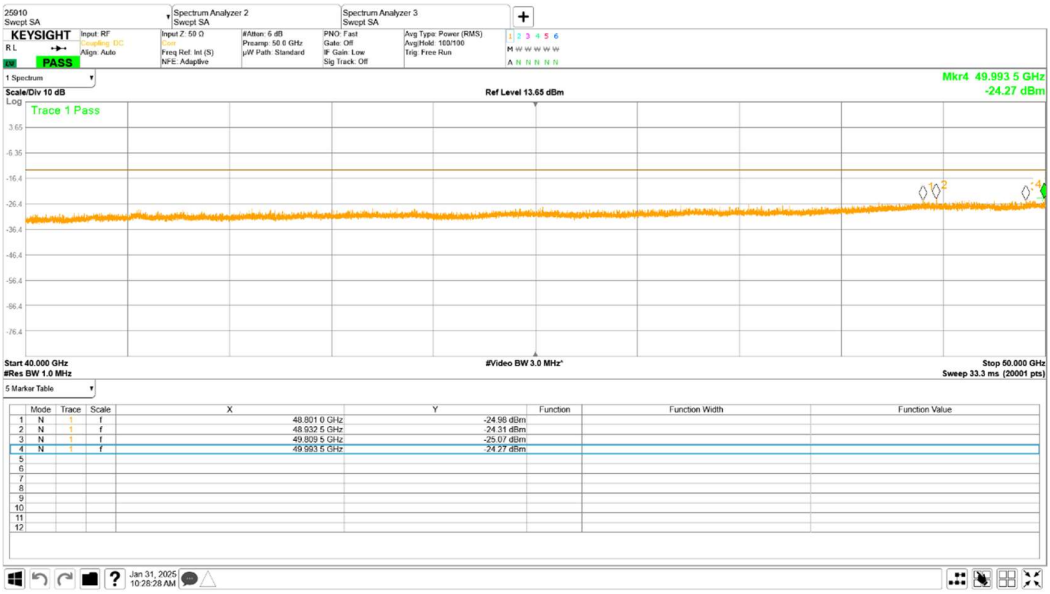
Ant M n261 BW 100MHz	 Mid Channel / Horizontal
Ant M n261 BW 100MHz	 Mid Channel / Vertical

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

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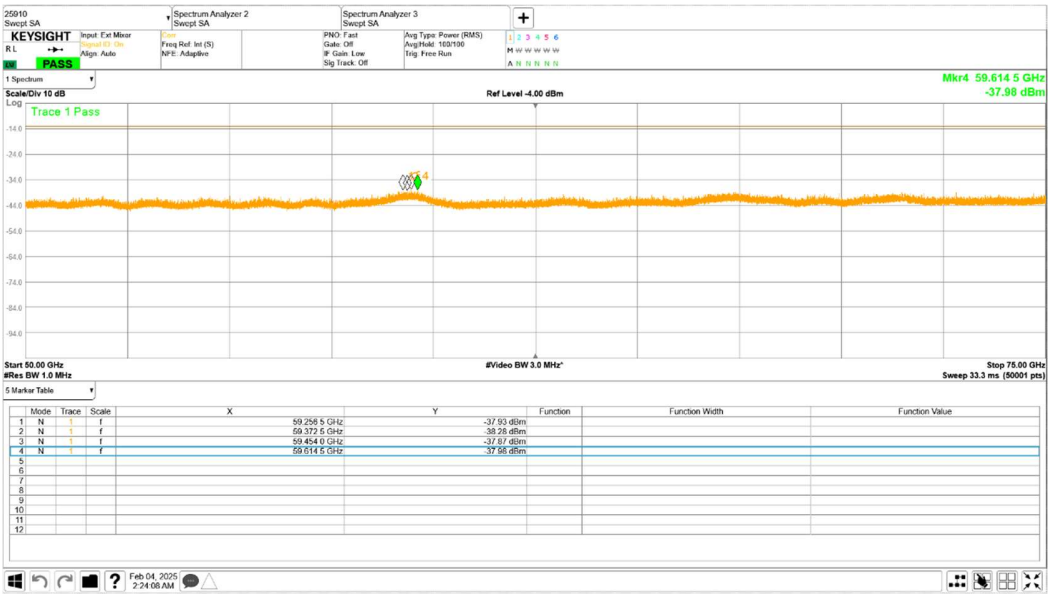
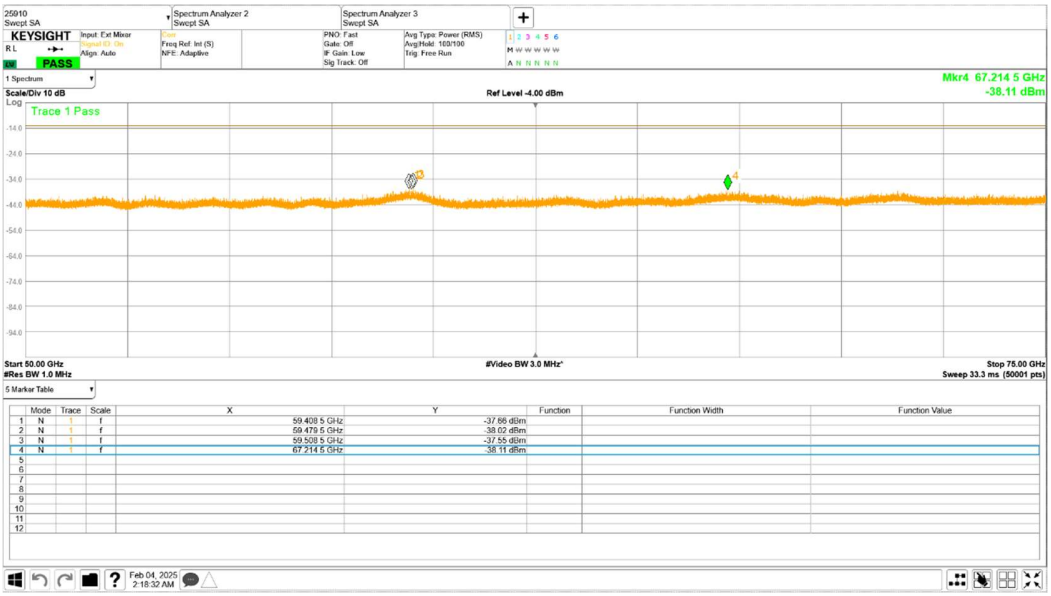
50 – 75 GHz Result

Ant M n261 BW 50MHz	 Mid Channel / Horizontal
Ant M n261 BW 50MHz	 Mid Channel / Vertical

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

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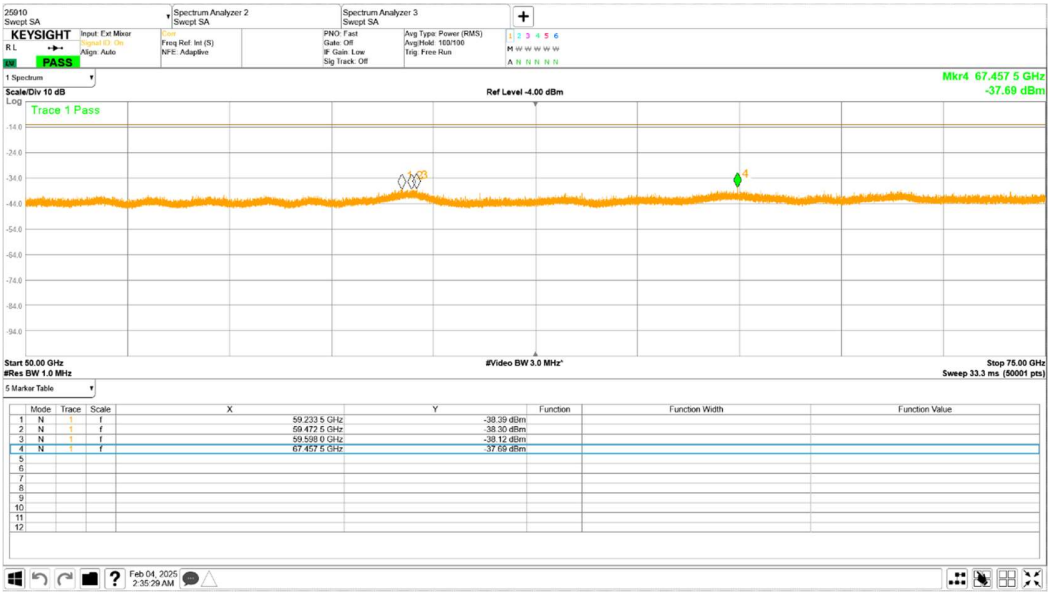
Ant M n261 BW 100MHz	 Mid Channel / Horizontal
Ant M n261 BW 100MHz	 Mid Channel / Vertical

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

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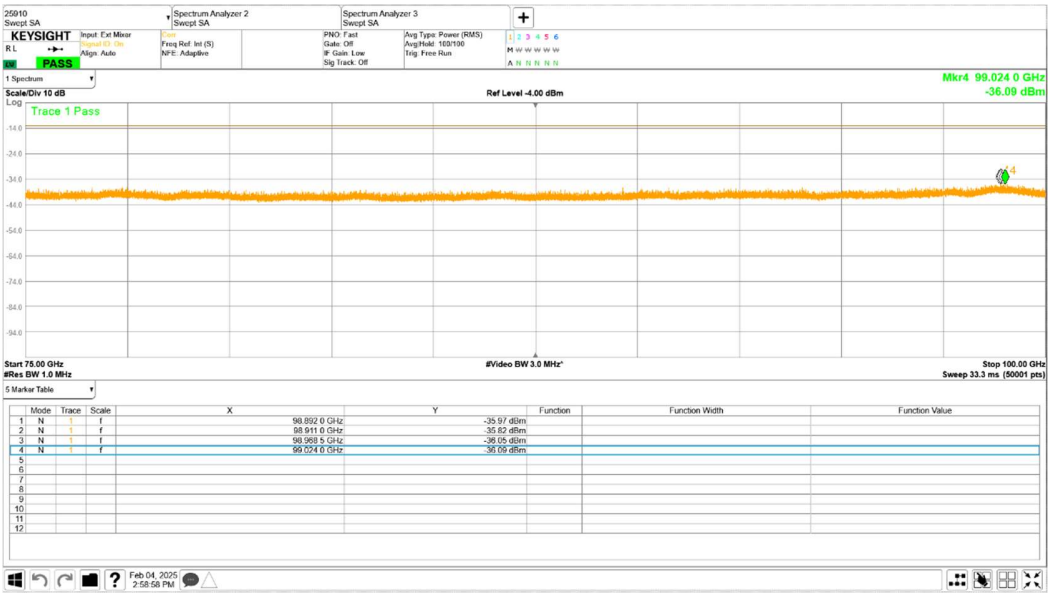
75 – 100 GHz Result

Ant M n261 BW 50MHz	 Mid Channel / Horizontal
Ant M n261 BW 50MHz	 Mid Channel / Vertical

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

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