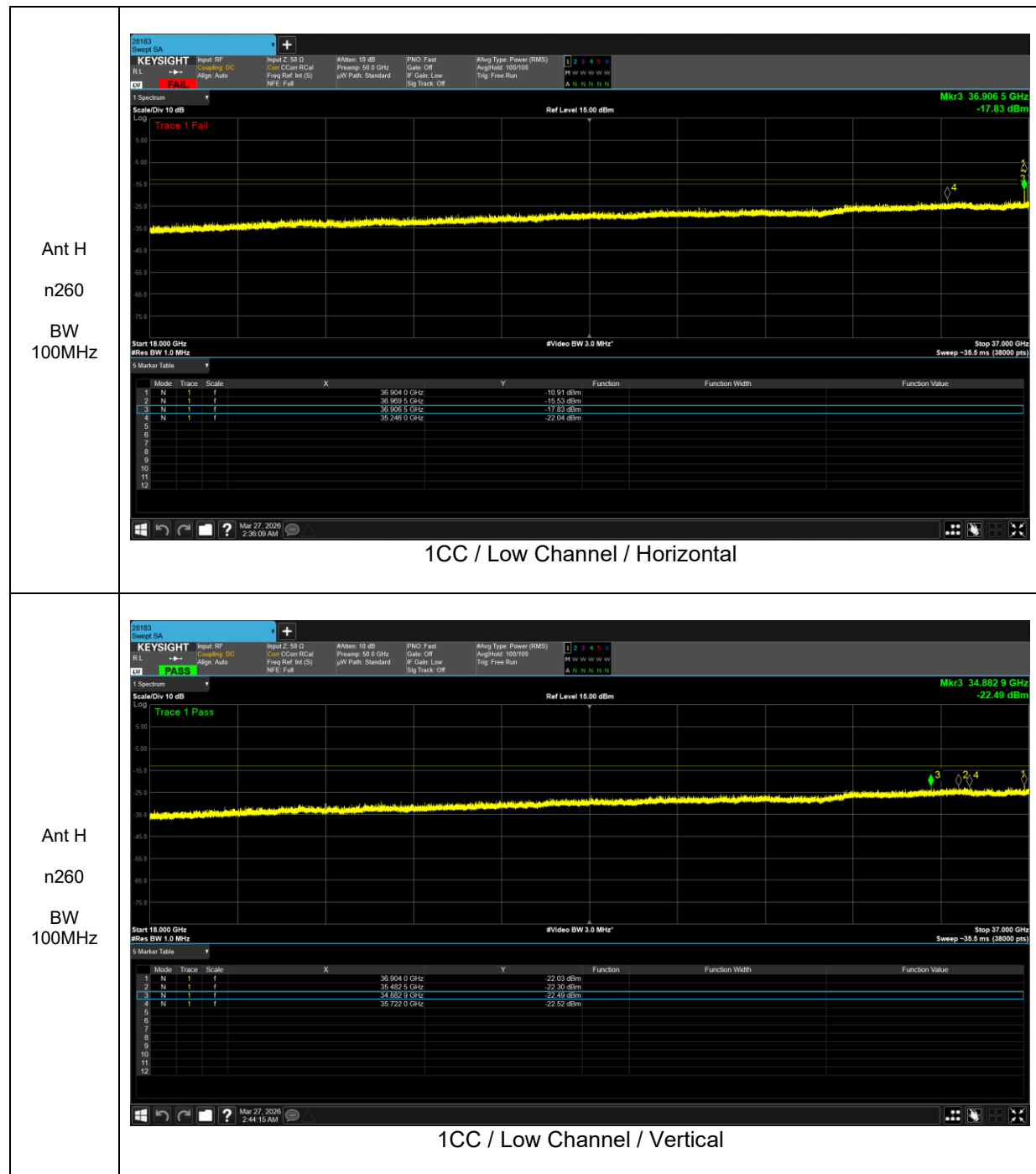
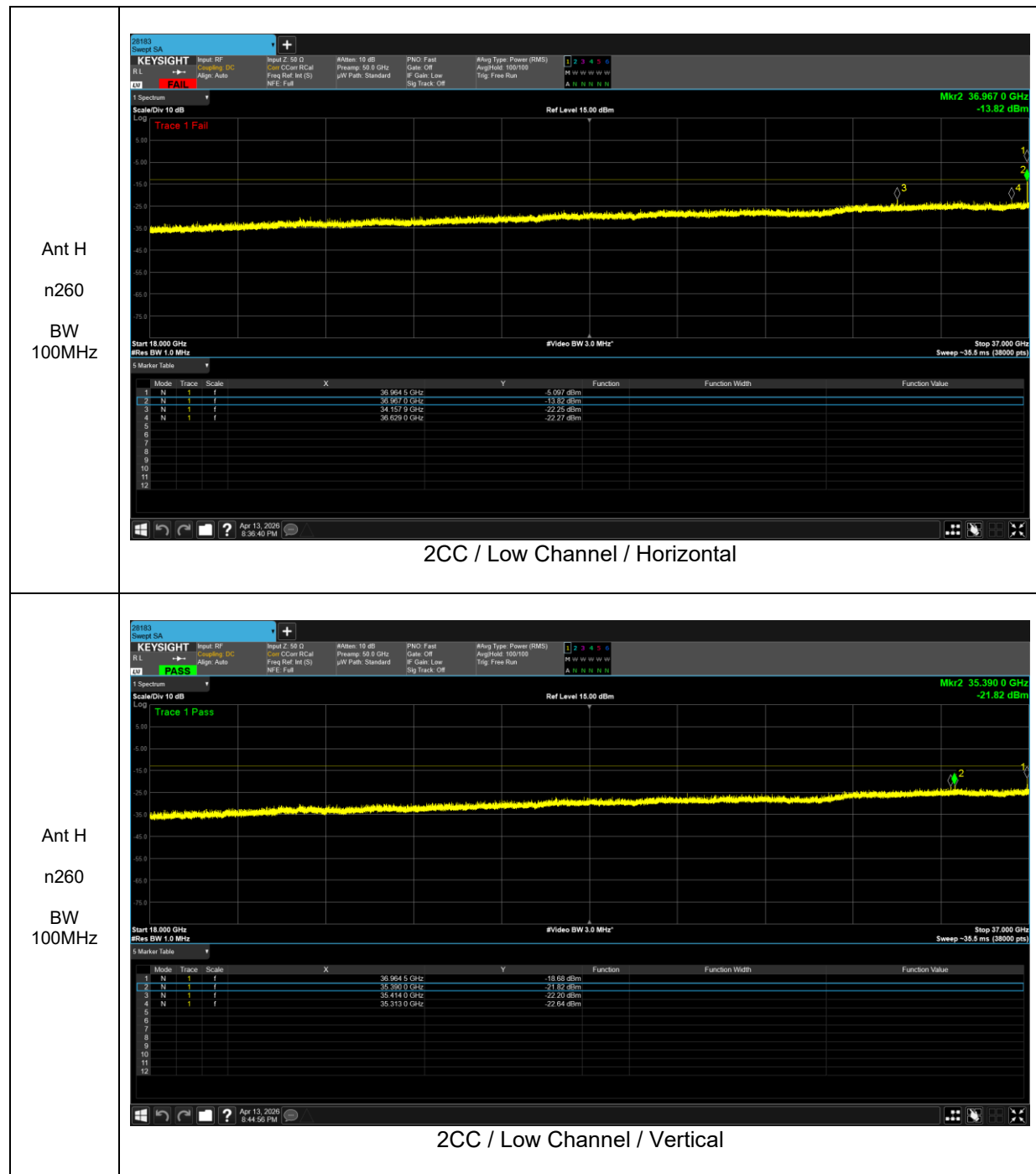




Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

Final Measurement Data Table

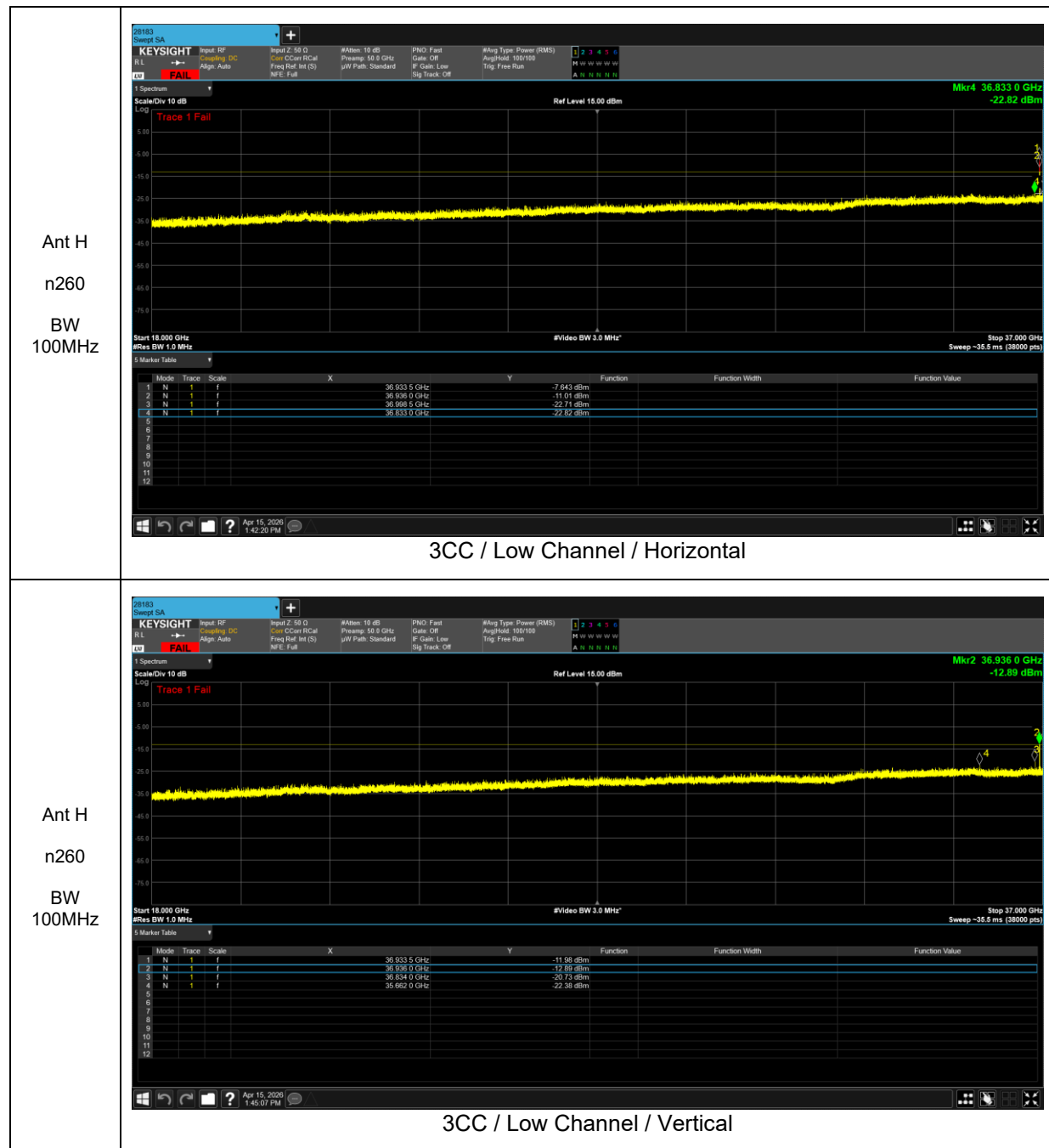
Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
36.905	100	SISO-Dual	QPSK	H	359.9	67.9	-17.23	-13	4.23
36.970	100	SISO-Dual	QPSK	H	359.9	67.8	-19.25	-13	6.25



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

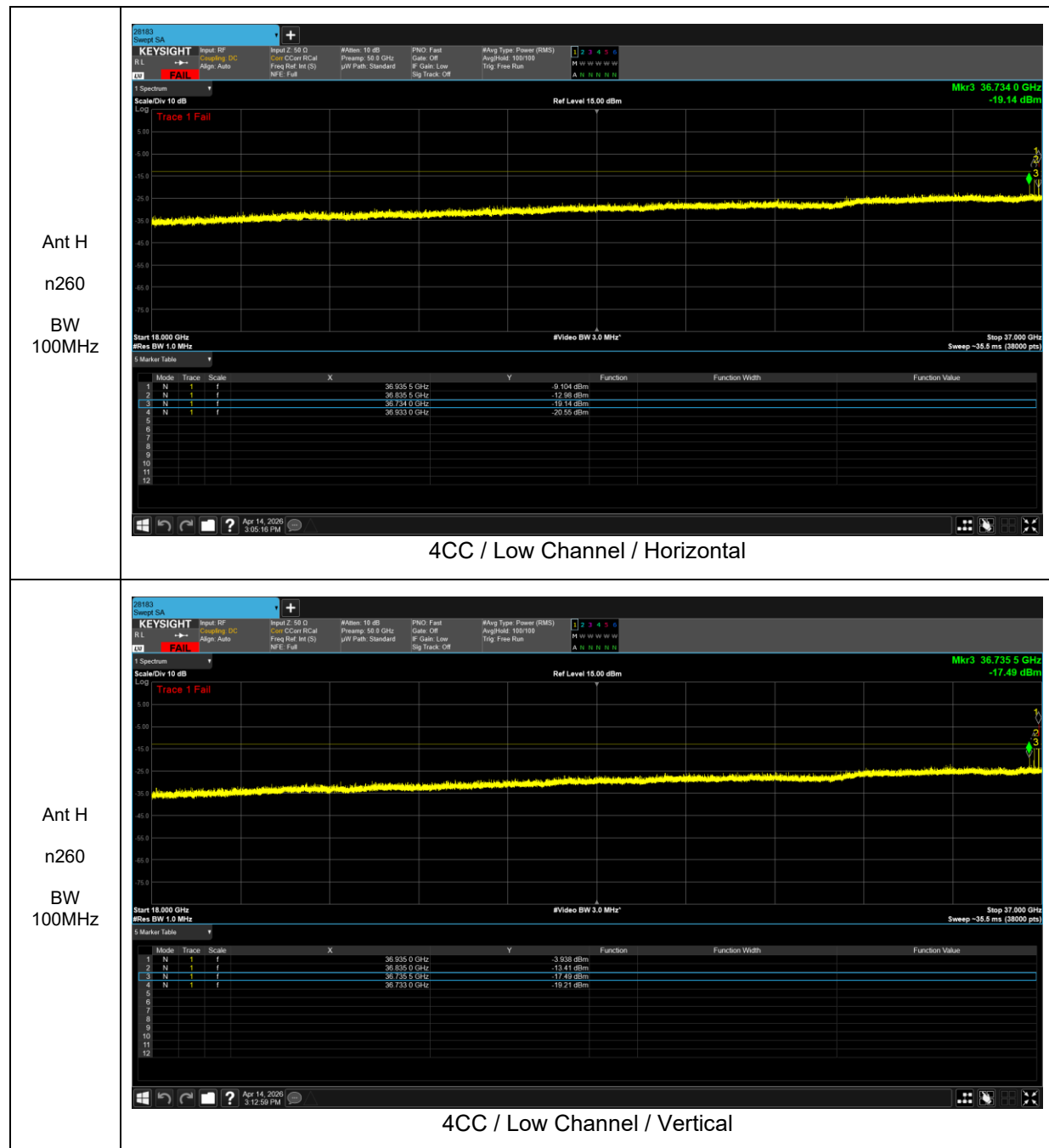
Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
36.965	100	SISO	QPSK	H	359.9	67.9	-15.87	-13	2.87
36.965	100	SISO	QPSK	H	359.9	53.5	-19.79	-13	6.79



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]
36.935	100	SISO-Dual	QPSK	H	168.2	47.9	-17.12	-13	4.12
36.935	100	SISO-Dual	QPSK	H	168.1	47.9	-17.81	-13	4.81
36.835	100	SISO-Dual	QPSK	H	168.2	48.1	-25.62	-13	12.62
36.935	100	SISO-Dual	QPSK	V	168.0	62.2	-23.00	-13	10.00

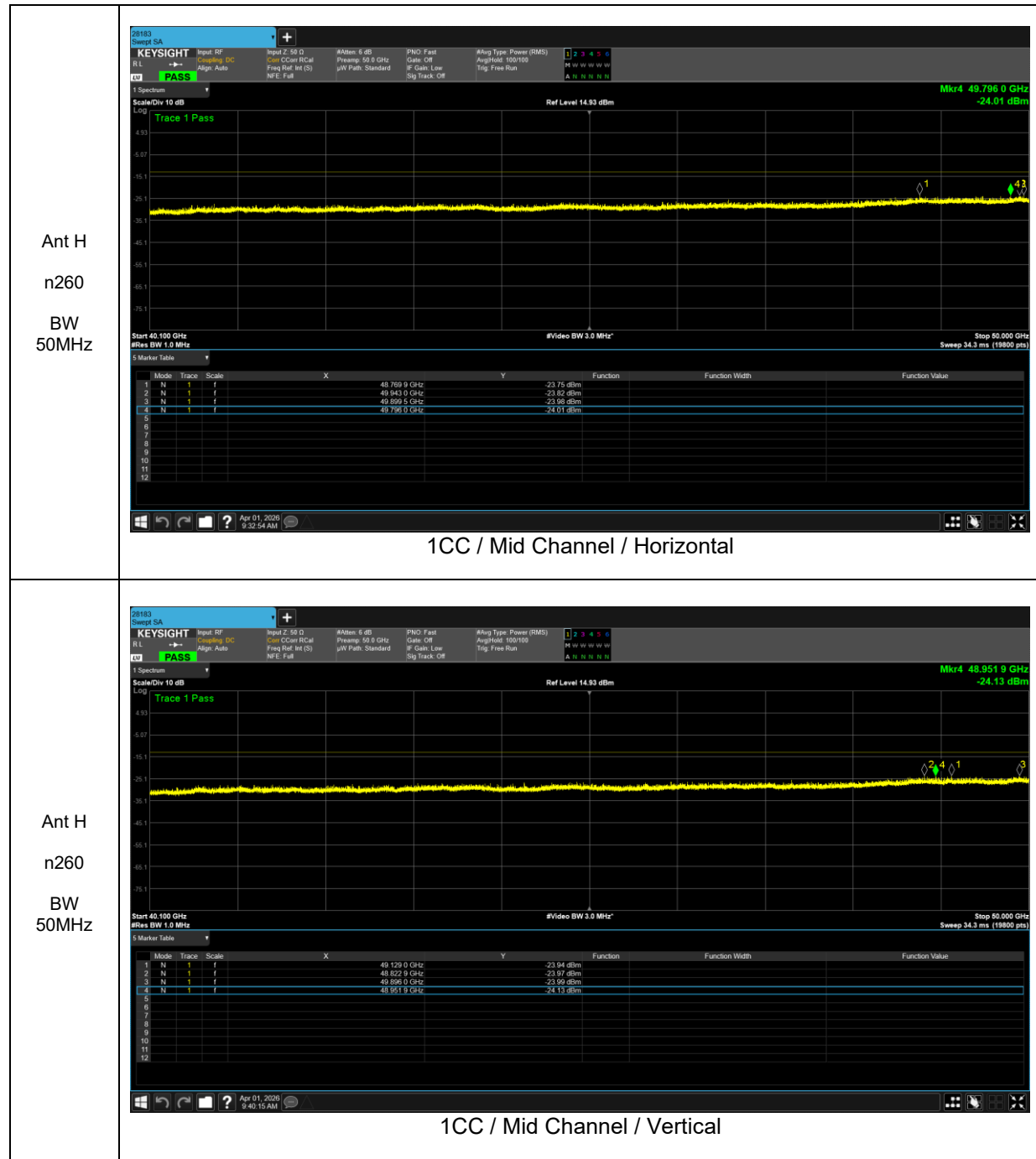


Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

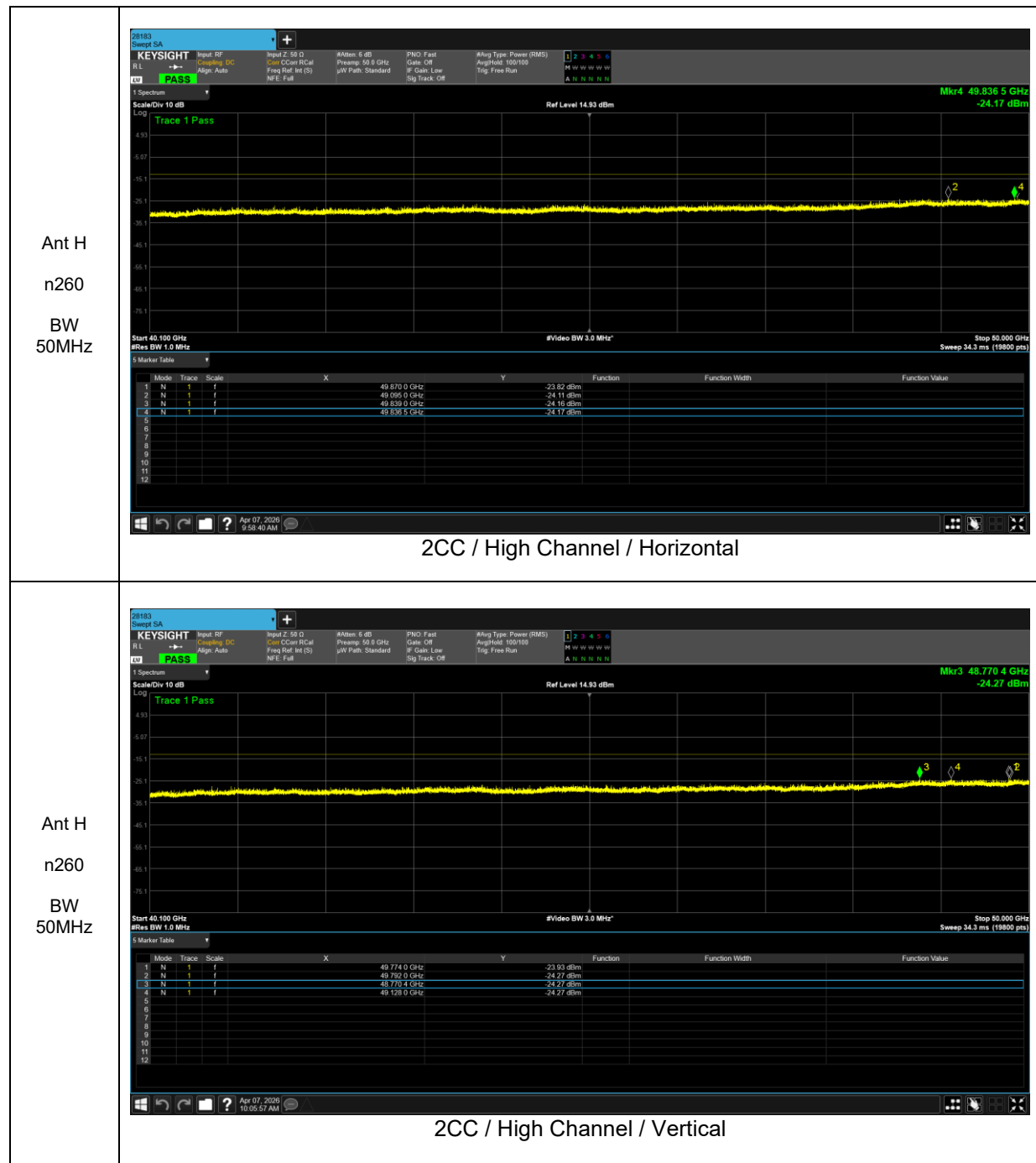
Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
36.935	100	SISO-Dual	QPSK	H	327.3	274.5	-22.14	-13	9.14
36.835	100	SISO-Dual	QPSK	H	22.5	274.8	-27.73	-13	14.73
36.935	100	SISO-Dual	QPSK	V	24.7	279.2	-14.23	-13	1.23
36.835	100	SISO-Dual	QPSK	V	24.7	274.6	-21.70	-13	8.70

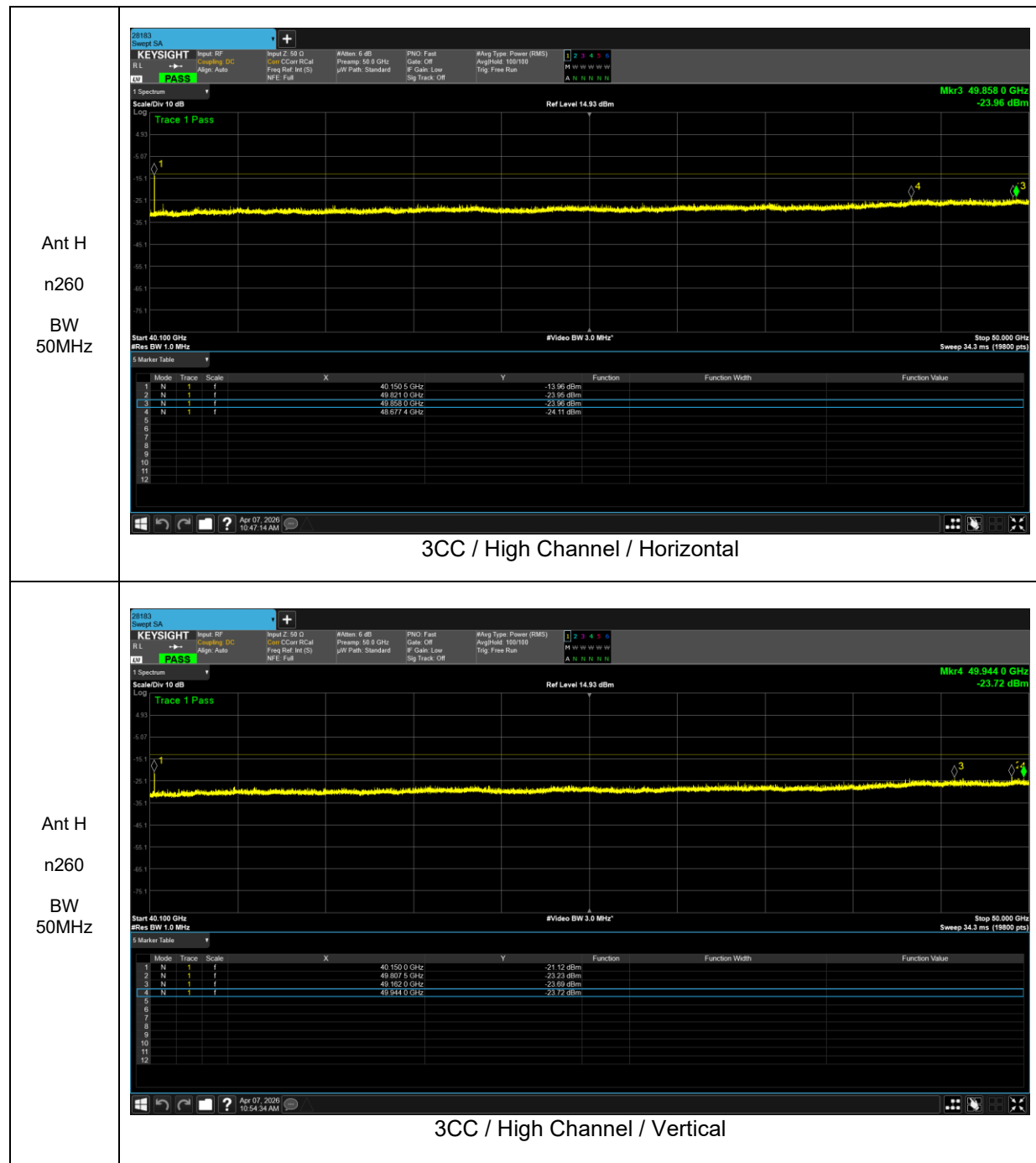
40.1 – 50 GHz Result



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



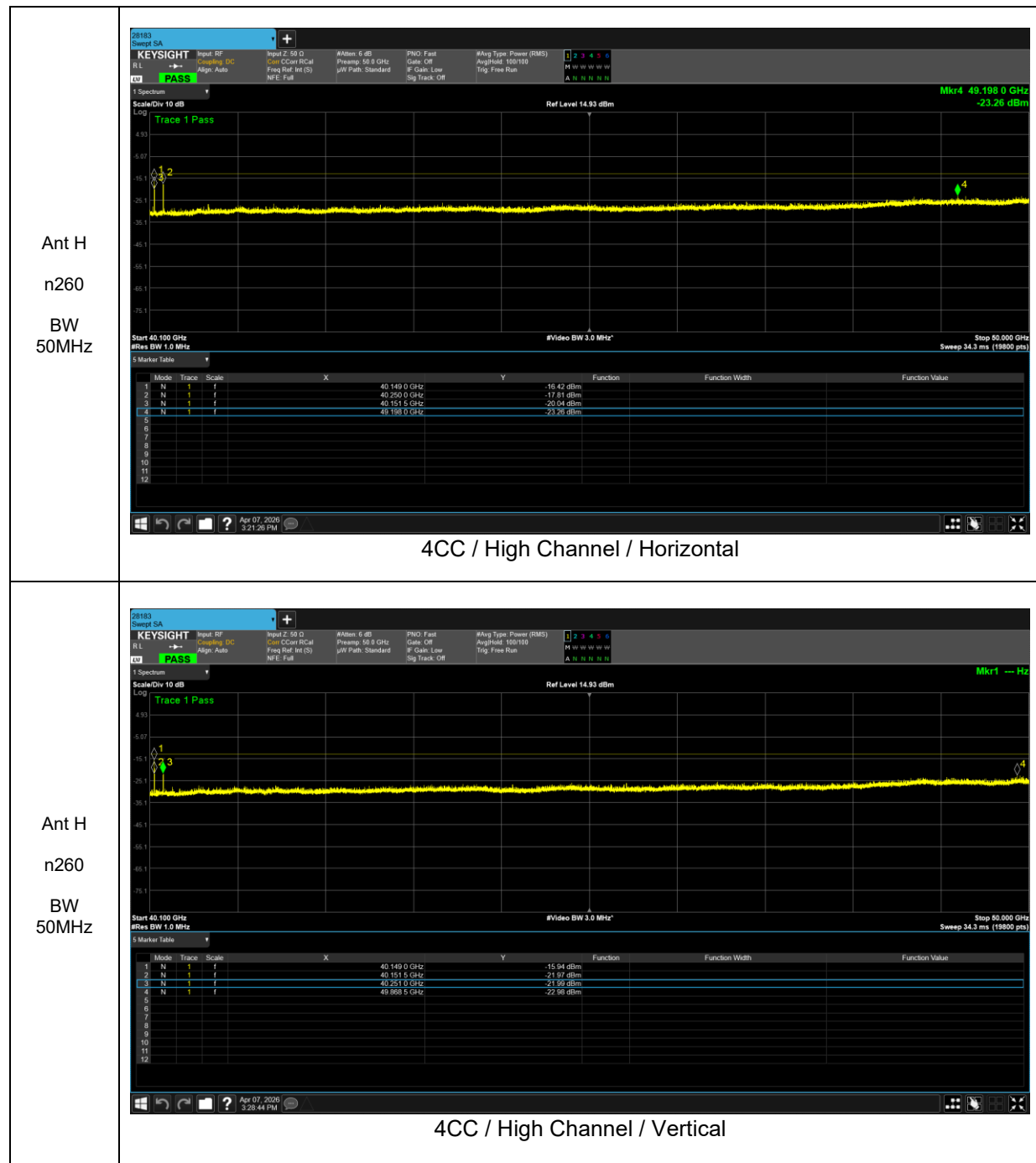
All channels were investigated, but no emission above the noise floor was detected.



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

Final Measurement Data Table

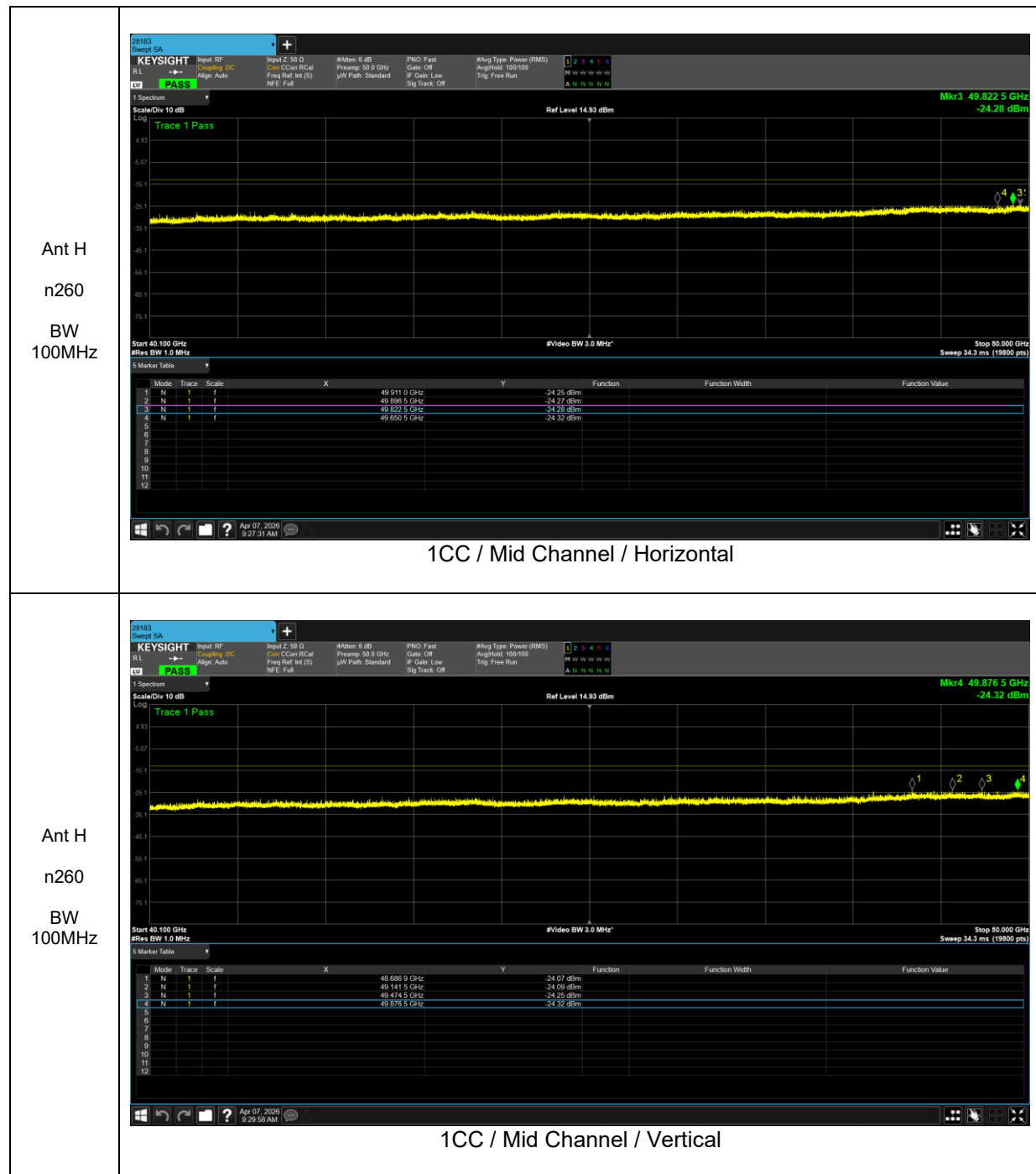
Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
40.150	100	SISO-Dual	QPSK	H	354.8	268.6	-27.28	-13	14.28



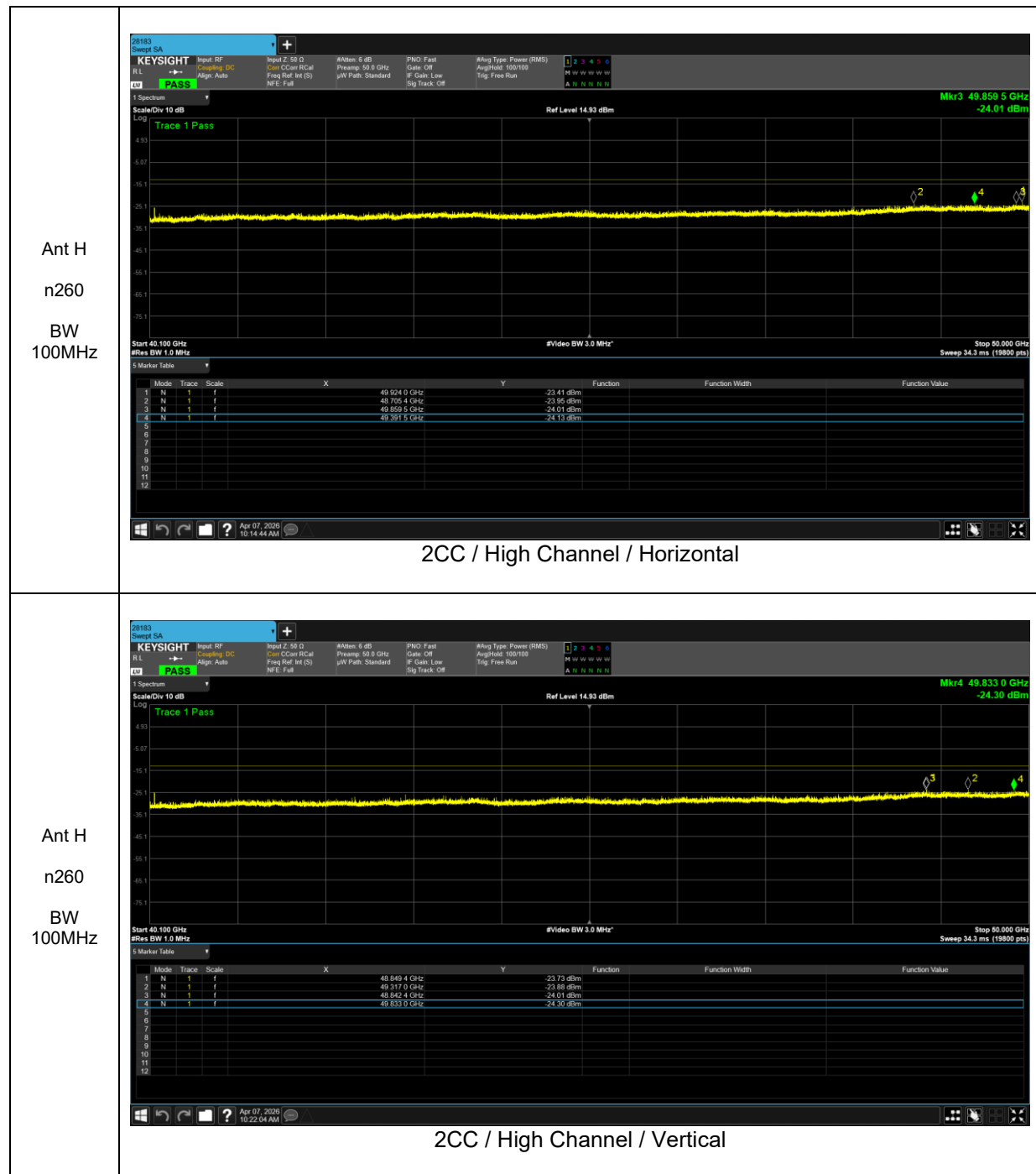
All channels were investigated, but no emission above the noise floor was detected.

Final Measurement Data Table

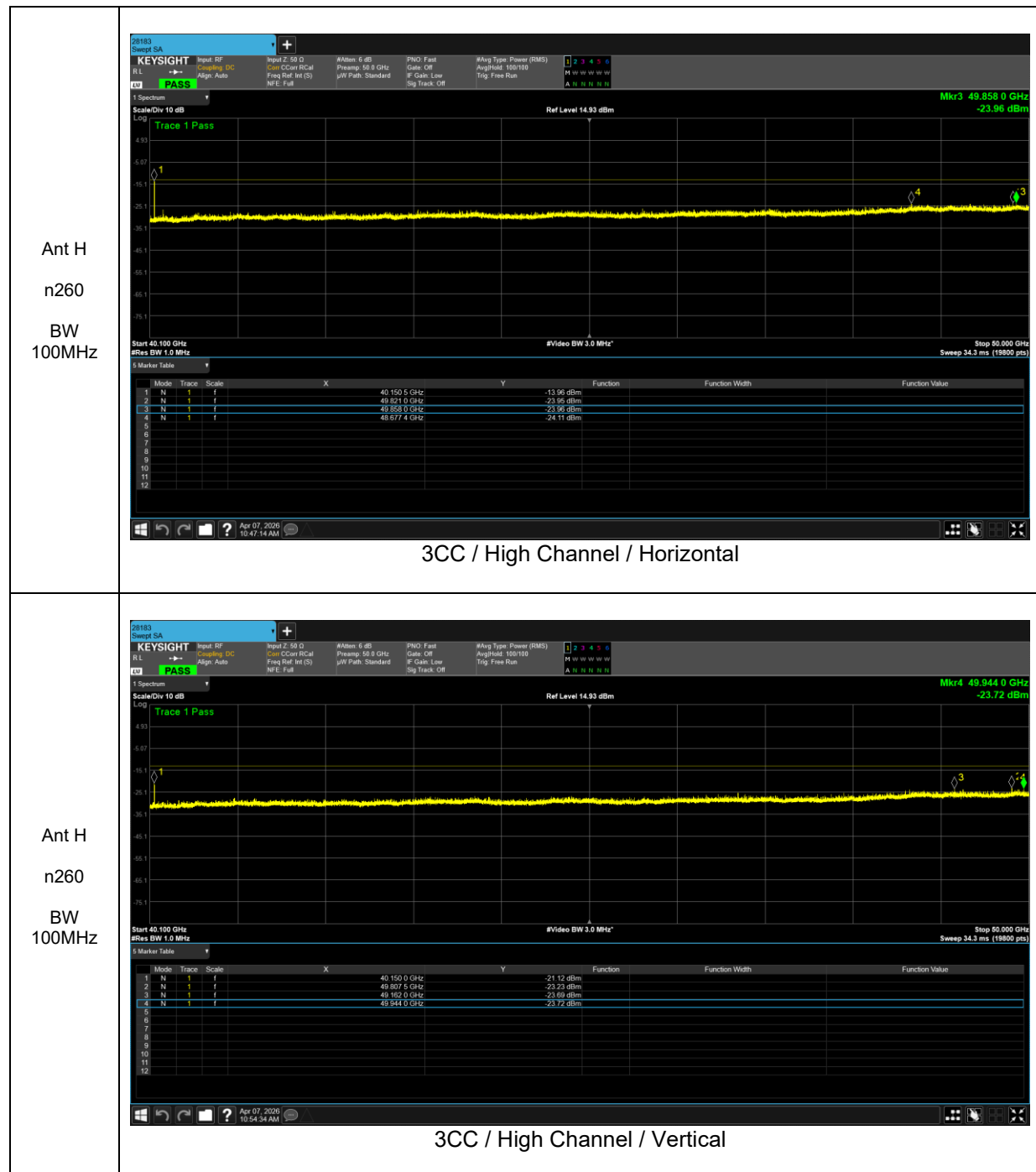
Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
40.150	100	SISO-Dual	QPSK	V	331.3	82.9	-25.33	-13	12.33



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



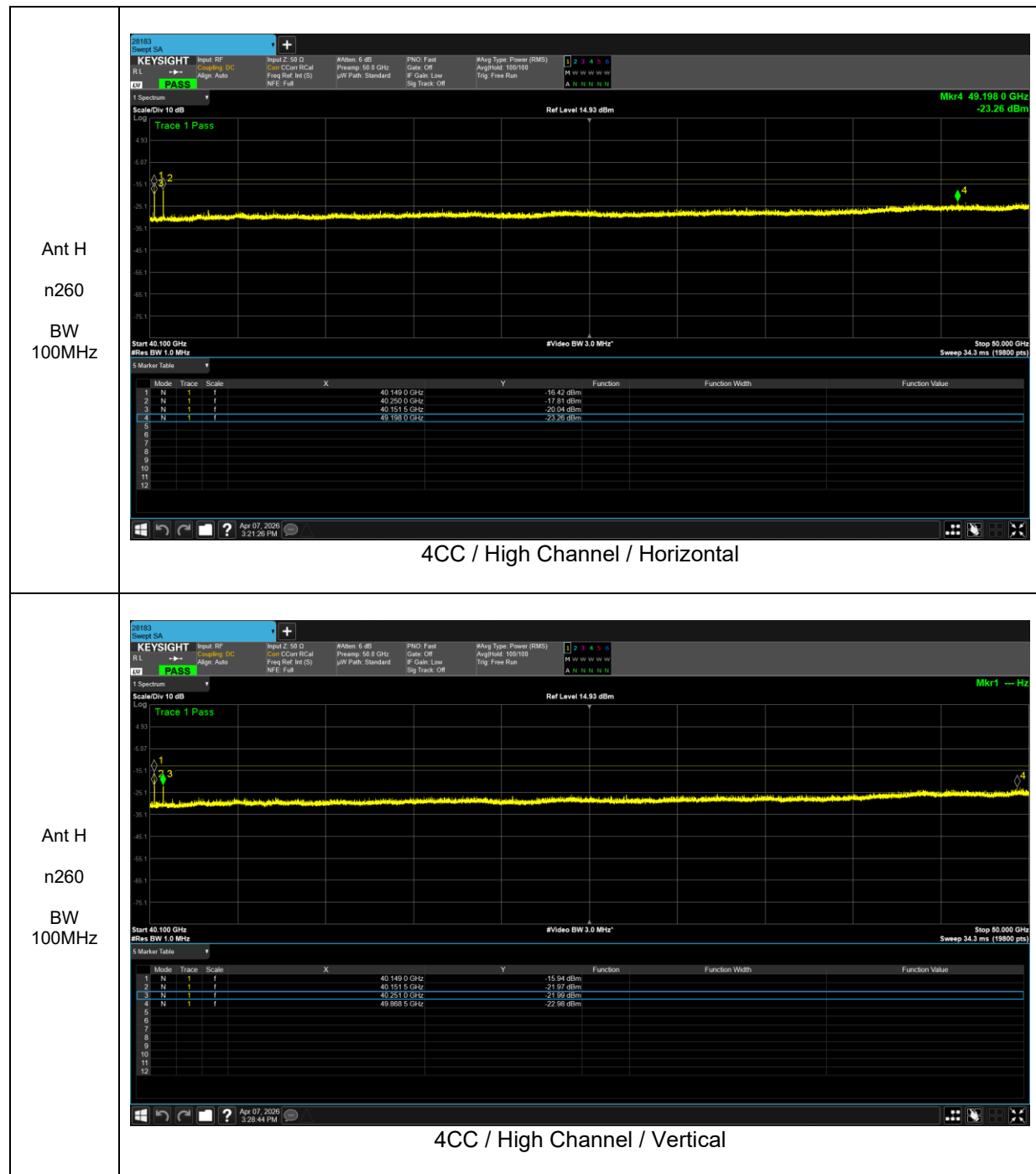
Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.



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]
40.150	100	SISO-Dual	QPSK	H	354.8	268.6	-27.28	-13	14.28



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

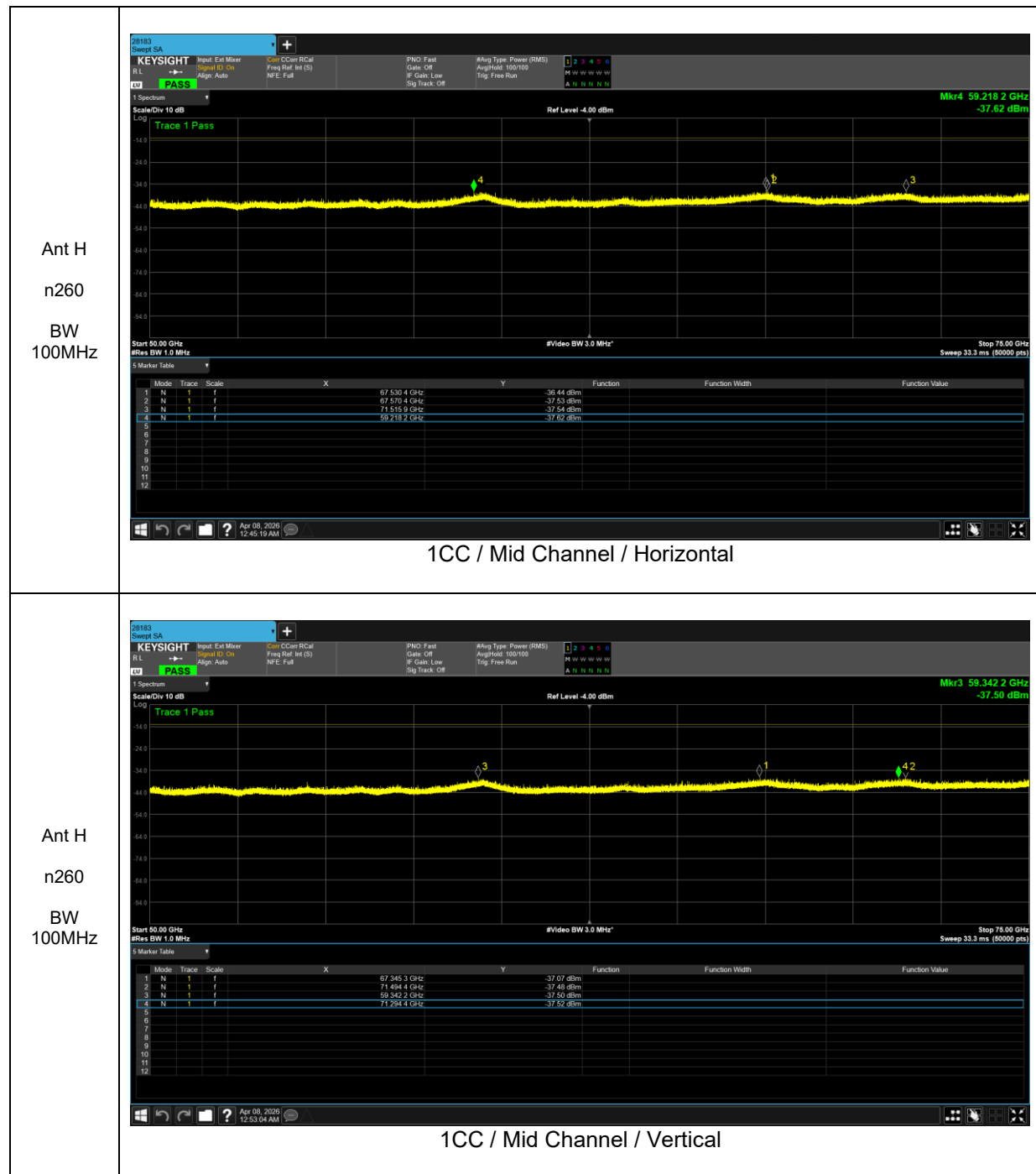
Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
40.150	100	SISO-Dual	QPSK	V	331.3	82.9	-25.33	-13	12.33

50 – 75 GHz Result

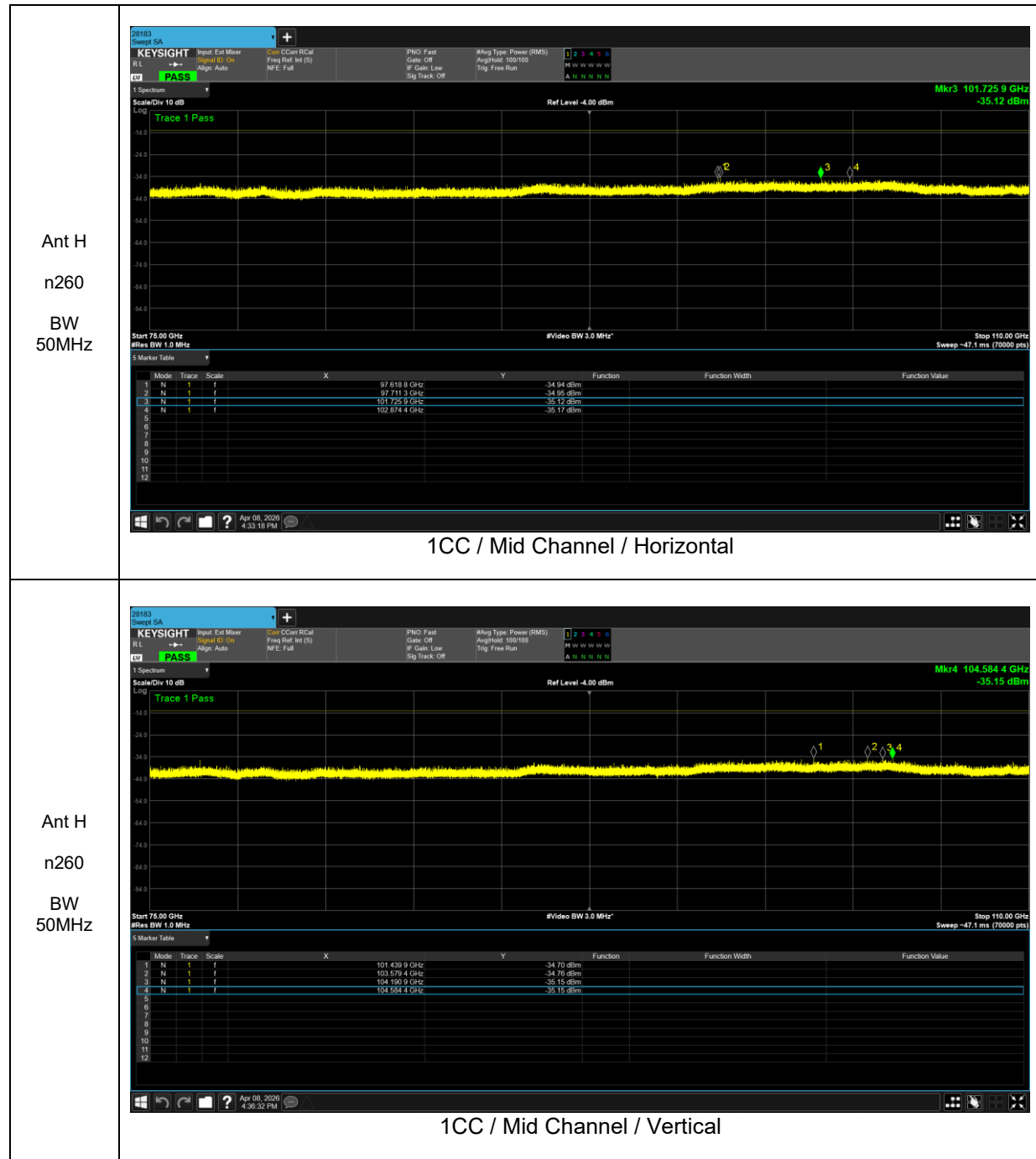


Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

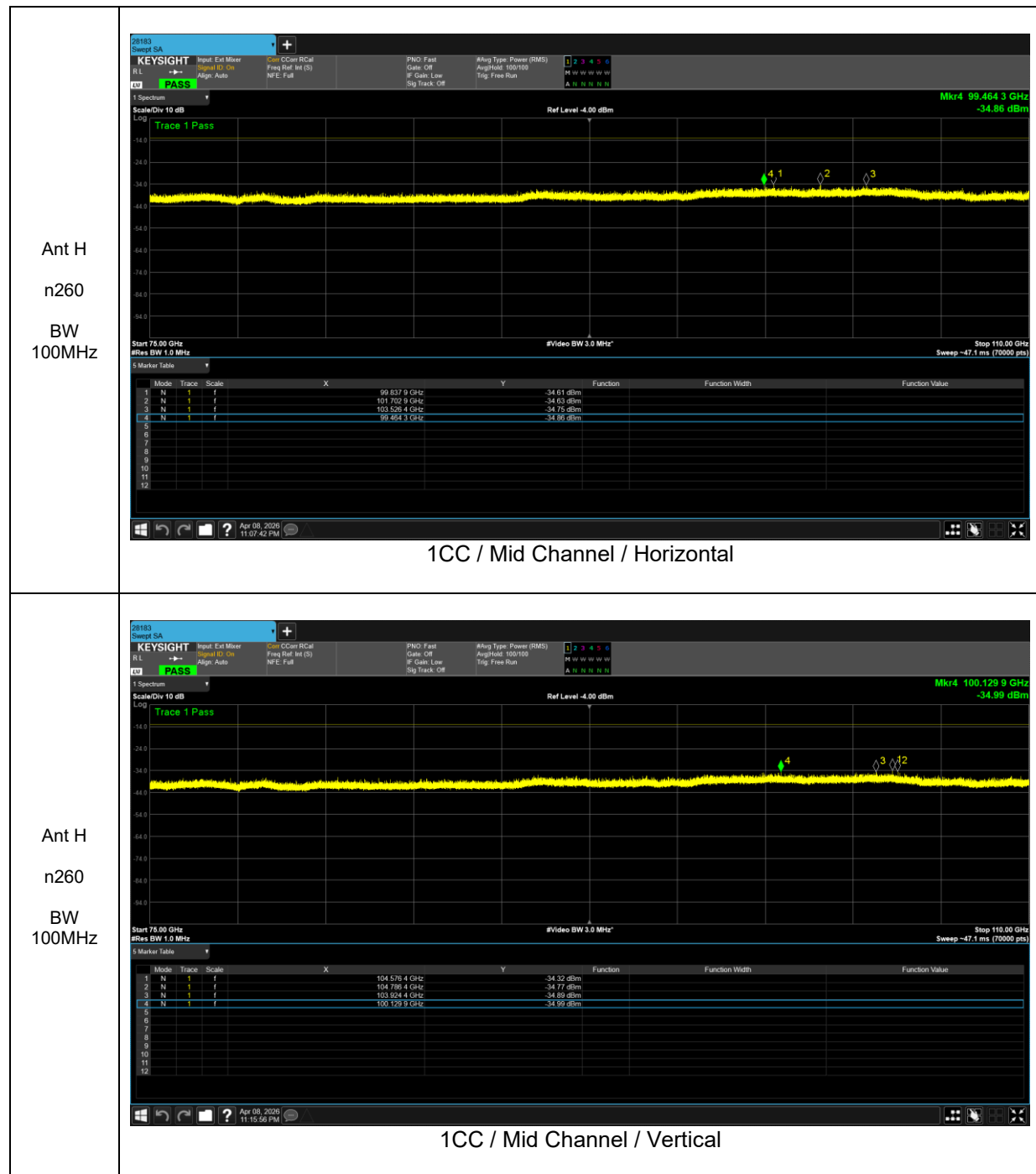


Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

75 – 110 GHz Result

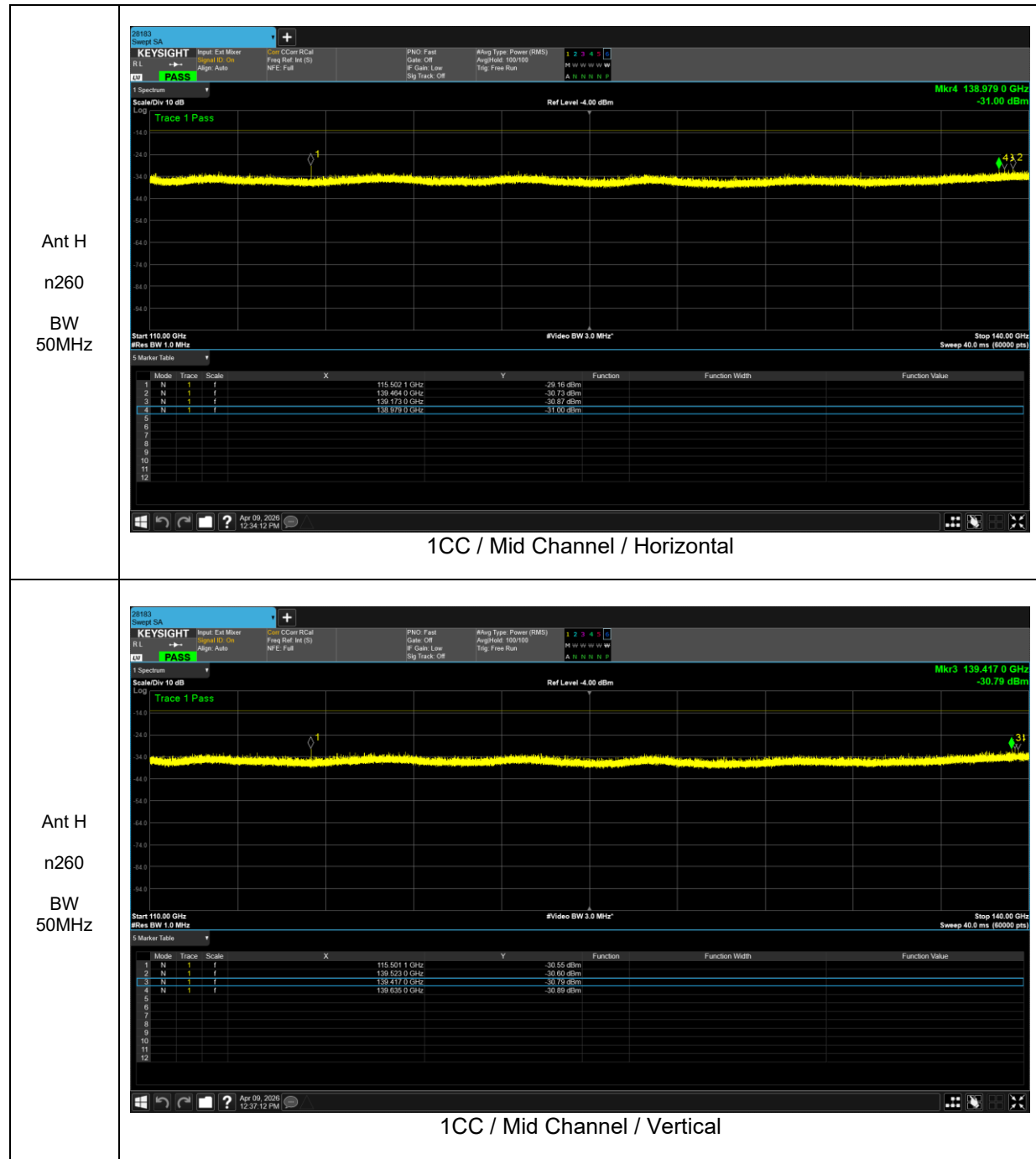


All channels were investigated, but no emission above the noise floor was detected.

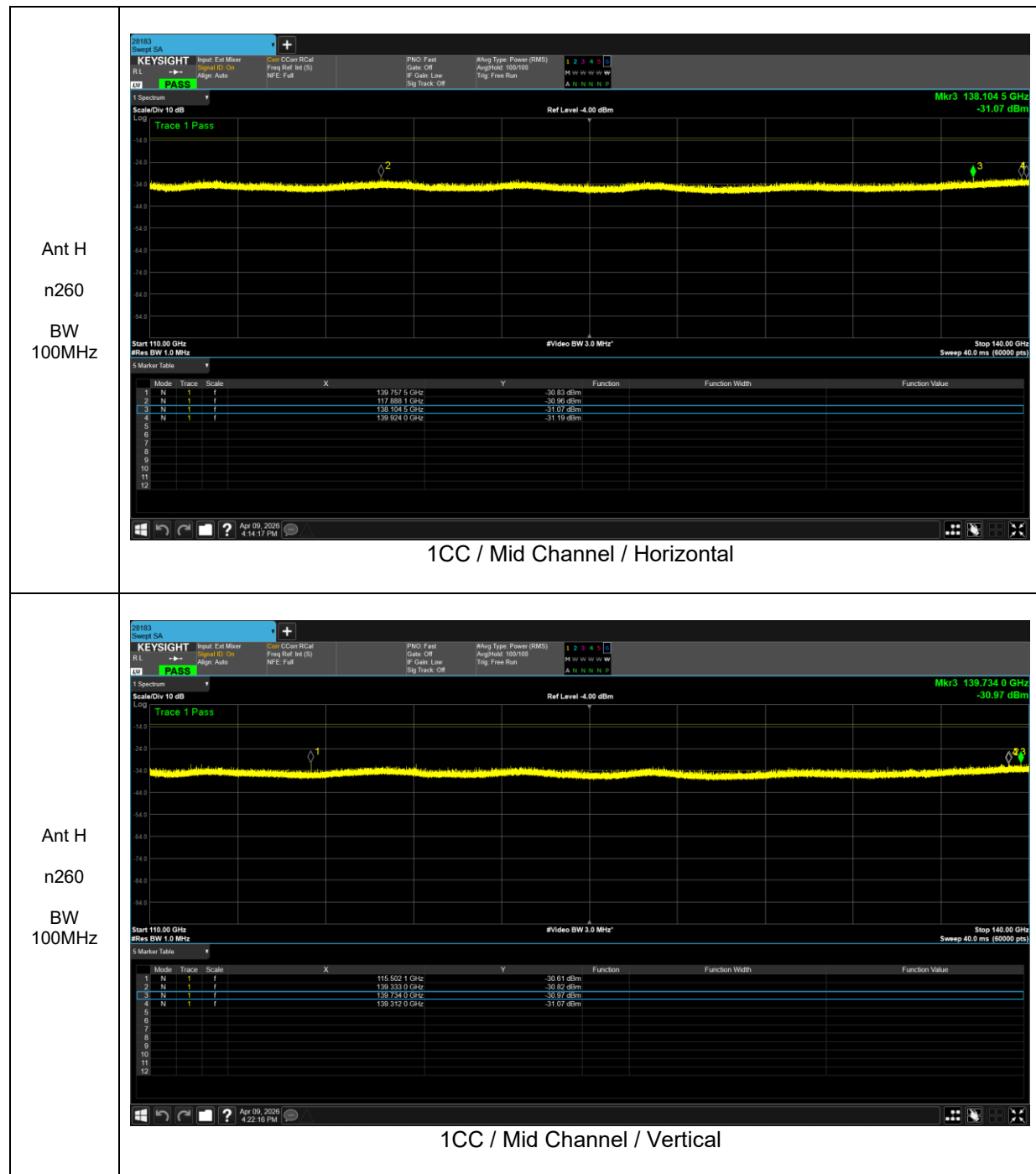


All channels were investigated, but no emission above the noise floor was detected.

110 – 140 GHz Result

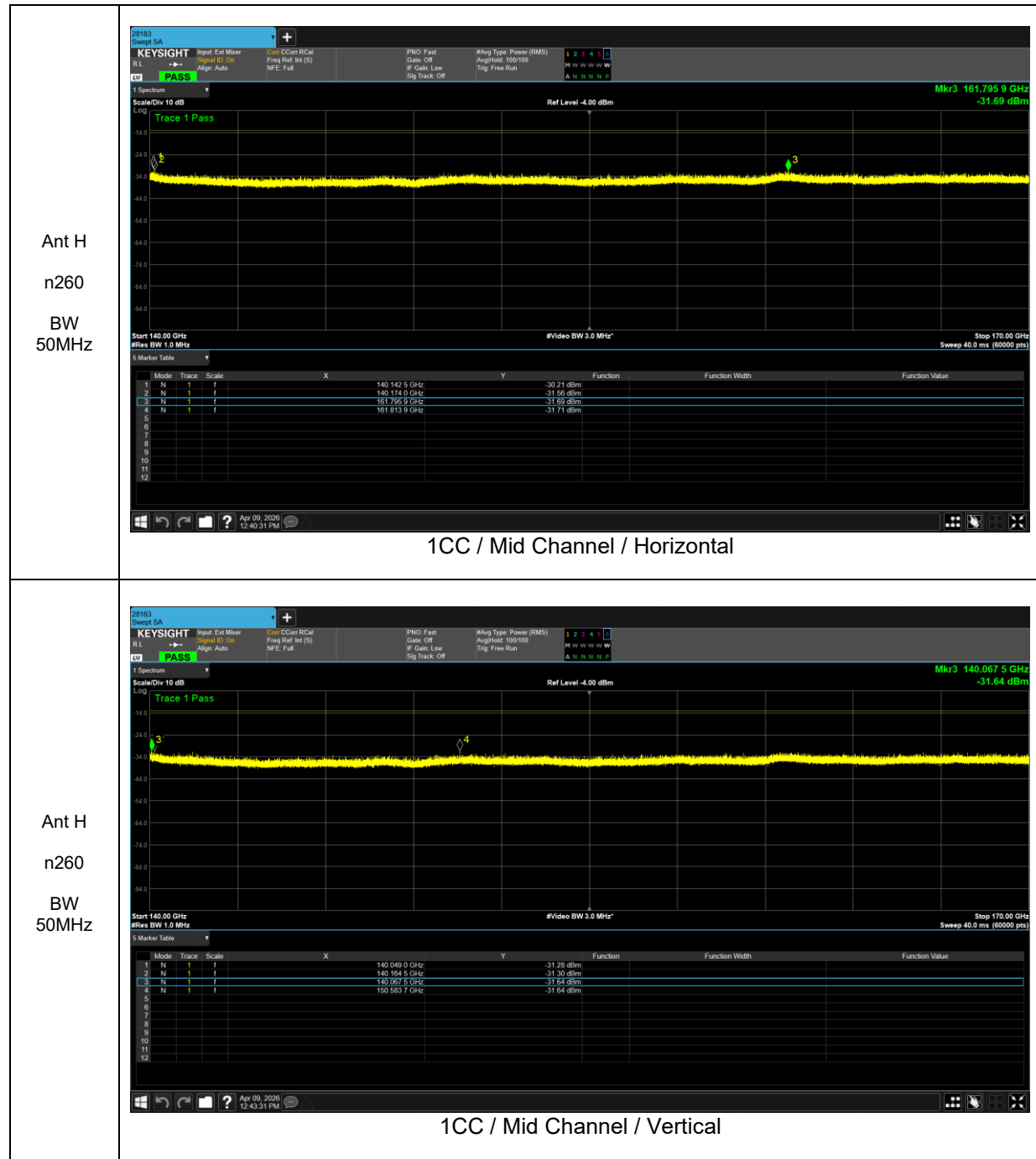


Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

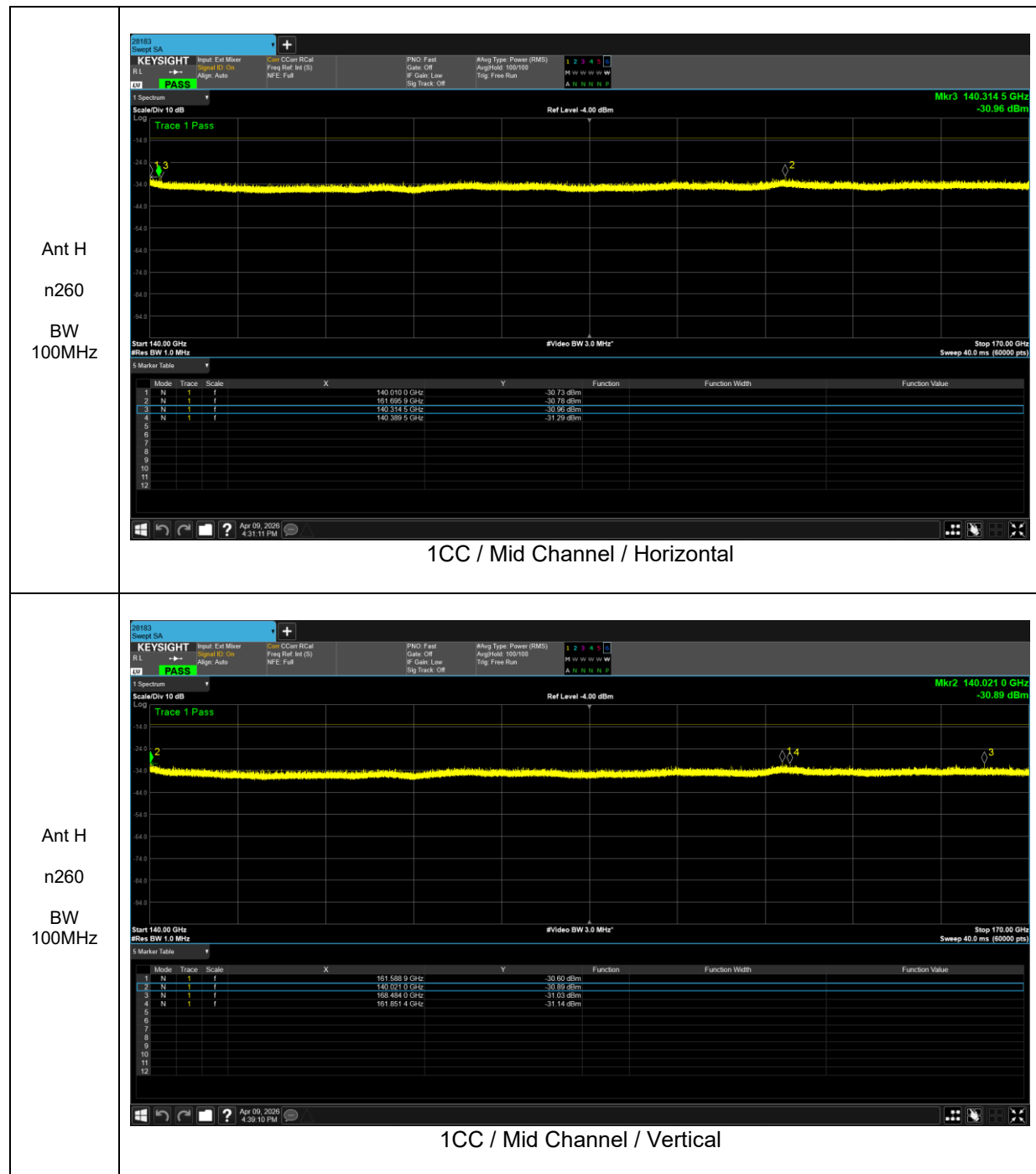


Note. If the margin of the pre-scan result is less than 3dB, the final measurement is performed for the identified spurious emissions.

140 – 170 GHz Result

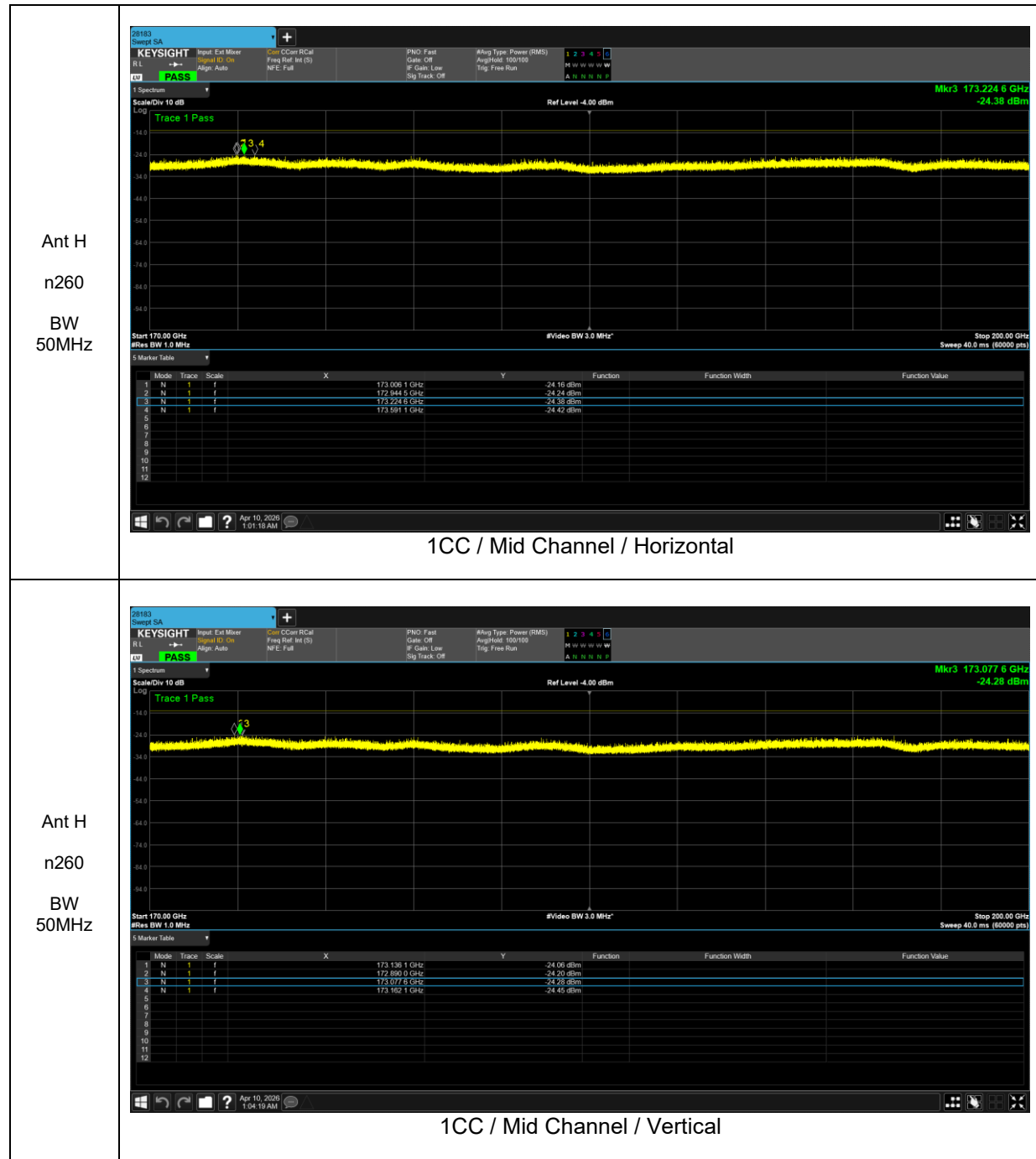


All channels were investigated, but no emission above the noise floor was detected.

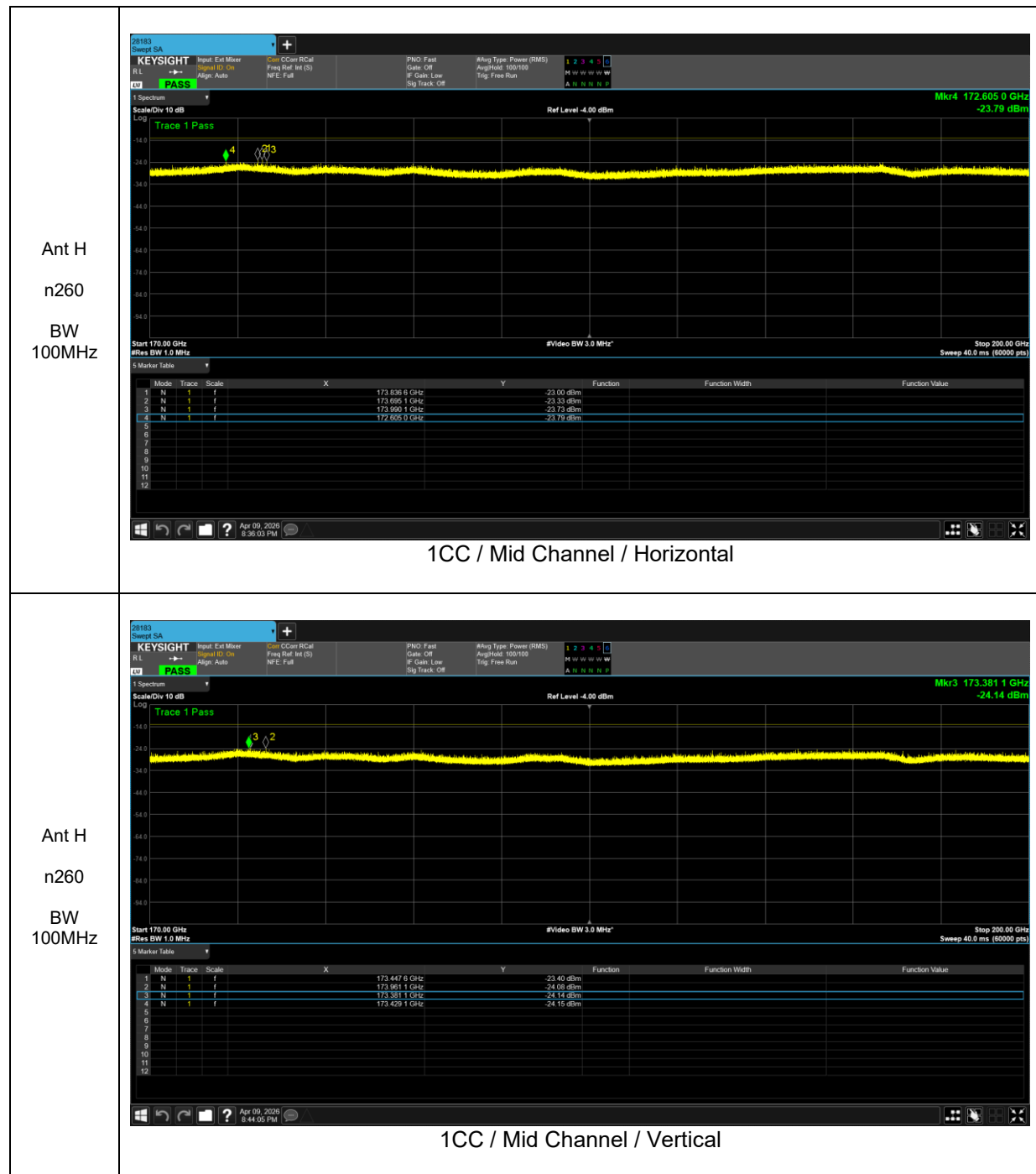


All channels were investigated, but no emission above the noise floor was detected.

170 – 200 GHz Result



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



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

8.5. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055

LIMITS

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

TEST PROCEDURE

Test procedures for temperature variation

- a) Position the EUT in temperature/humidity chamber with power off.
- b) Set chamber temperature to -30°C and stabilize the EUT for at least 30 minutes.
- c) Record maximum change in frequency within one minute after powering the EUT.
- d) Increase chamber temperature at 10°C intervals from -30°C to 50°C. Record maximum change in frequency at each temperature.
- e) A period of at least 30 minutes is provided to allow stabilization of the equipment at each temperature level.

Test procedures for voltage variation

- a) Position the EUT in temperature/humidity chamber with power off.
- b) Set chamber temperature to 20°C.
- c) Record maximum frequency change within one minute after powering the EUT.
- d) The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

(KDB 842590 D01 Upper Microwave Flexible Use Service v01r02 Section 4.5)
(ANSI C63.26-2015 Section 5.6)

NOTE :

The Deviation column in the table below is the amount of deviation measured from the center frequency of the authorized bands of operation.

The measurement were performed with the DFT-s OFDM and SISO-Dual mode.

RESULTS

See the following pages.

8.5.1. FREQUENCY STABILITY RESULTS

Band n258 SB1

Limit (MHz)		24250			24450		
Condition		F low @ End of OBW	Delta (kHz)	Deviation (%)	F high @ End of OBW	Delta (kHz)	Deviation (%)
Temperature	Voltage	(MHz)			(MHz)		
Normal (20°C) (Ref)	Normal	24252.1690	0.000	0.000000	24448.1130	0.000	0.000000
Extreme (50°C)		24252.1688	-152.210	-0.000625	24448.1129	-89.595	-0.000368
Extreme (40°C)		24252.1689	-121.390	-0.000499	24448.1129	-92.754	-0.000381
Extreme (30°C)		24252.1689	-128.670	-0.000528	24448.1129	-98.532	-0.000405
Extreme (10°C)		24252.1689	-81.095	-0.000333	24448.1128	-155.550	-0.000639
Extreme (0°C)		24252.1689	-114.110	-0.000469	24448.1129	-119.600	-0.000491
Extreme (-10°C)		24252.1691	90.456	0.000371	24448.1129	-69.928	-0.000287
Extreme (-20°C)		24252.1690	28.984	0.000119	24448.1129	-102.230	-0.000420
Extreme (-30°C)		24252.1691	63.421	0.000260	24448.1129	-128.870	-0.000529
Normal (20°C)	15%	24252.1688	-0.114	0.000000	24448.1130	-42.555	-0.000175
	-15%	24252.1689	17.192	0.000071	24448.1129	-51.432	-0.000211
	End Point	24252.1689	-26.237	-0.000108	24448.1129	-51.273	-0.000211

Band n258 SB2

Limit (MHz)		24750			25250		
Condition		F low @ End of OBW	Delta (kHz)	Deviation (%)	F high @ End of OBW	Delta (kHz)	Deviation (%)
Temperature	Voltage	(MHz)			(MHz)		
Normal (20°C) (Ref)	Normal	24752.1785	0.000	0.000000	25247.9860	0.000	0.000000
Extreme (50°C)		24752.1783	-160.820	-0.000643	25247.9859	-64.480	-0.000258
Extreme (40°C)		24752.1780	-507.390	-0.002030	25247.9858	-200.120	-0.000800
Extreme (30°C)		24752.1785	-17.022	-0.000068	25247.9858	-226.290	-0.000905
Extreme (10°C)		24752.1787	212.410	0.000850	25247.9857	-271.950	-0.001088
Extreme (0°C)		24752.1788	347.640	0.001391	25247.9859	-133.960	-0.000536
Extreme (-10°C)		24752.1789	432.590	0.001730	25247.9860	-39.346	-0.000157
Extreme (-20°C)		24752.1787	150.710	0.000603	25247.9859	-100.720	-0.000403
Extreme (-30°C)		24752.1786	60.455	0.000242	25247.9857	-294.520	-0.001178
Normal (20°C)	15%	24752.1783	-223.260	-0.000893	25247.9859	-109.190	-0.000437
	-15%	24752.1780	-138.210	-0.000553	25247.9859	-50.268	-0.000201
	End Point	24752.1785	-143.690	-0.000575	25247.9859	-92.579	-0.000370

Band n261

Limit (MHz)		27500			28350		
Condition		F low @ End of OBW	Delta (kHz)	Deviation (%)	F high @ End of OBW	Delta (kHz)	Deviation (%)
Temperature	Voltage	(MHz)			(MHz)		
Normal (20°C) (Ref)	Normal	27501.5225	0.000	0.000000	28348.0475	0.000	0.000000
Extreme (50°C)		27501.5221	-362.470	-0.001298	28348.0474	-59.903	-0.000215
Extreme (40°C)		27501.5224	-113.410	-0.000406	28348.0475	-38.956	-0.000140
Extreme (30°C)		27501.5224	-61.363	-0.000220	28348.0473	-183.160	-0.000656
Extreme (10°C)		27501.5226	76.486	0.000274	28348.0474	-98.915	-0.000354
Extreme (0°C)		27501.5225	-23.020	-0.000082	28348.0473	-196.460	-0.000704
Extreme (-10°C)		27501.5225	34.546	0.000124	28348.0475	24.854	0.000089
Extreme (-20°C)		27501.5225	34.967	0.000125	28348.0476	98.949	0.000354
Extreme (-30°C)		27501.5225	-40.985	-0.000147	28348.0477	178.700	0.000640
Normal (20°C)	15%	27501.5221	372.380	0.001334	28348.0474	-130.780	-0.000468
	-15%	27501.5224	168.170	0.000602	28348.0473	-178.120	-0.000638
	End Point	27501.5224	200.850	0.000719	28348.0473	-138.770	-0.000497

Band n260

Limit (MHz)		37000			40000		
Condition		F low @ End of OBW	Delta (kHz)	Deviation (%)	F high @ End of OBW	Delta (kHz)	Deviation (%)
Temperature	Voltage	(MHz)			(MHz)		
Normal (20°C) (Ref)	Normal	37002.0405	0.000	0.000000	39998.3435	0.000	0.000000
Extreme (50°C)		37002.0404	-101.850	-0.000265	39998.3440	469.850	0.001220
Extreme (40°C)		37002.0404	-134.990	-0.000351	39998.3437	176.910	0.000460
Extreme (30°C)		37002.0404	-92.269	-0.000240	39998.3434	-114.910	-0.000298
Extreme (10°C)		37002.0405	5.278	0.000014	39998.3434	-60.313	-0.000157
Extreme (0°C)		37002.0406	71.939	0.000187	39998.3435	-33.288	-0.000086
Extreme (-10°C)		37002.0407	157.720	0.000410	39998.3430	-531.410	-0.001380
Extreme (-20°C)		37002.0407	230.660	0.000599	39998.3436	66.949	0.000174
Extreme (-30°C)		37002.0407	181.460	0.000471	39998.3435	-48.414	-0.000126
Normal (20°C)	15%	37002.0404	-87.828	-0.000228	39998.3434	-71.567	-0.000186
	-15%	37002.0404	-12.711	-0.000033	39998.3434	-97.618	-0.000254
	End Point	37002.0404	-26.774	-0.000070	39998.3434	-107.830	-0.000280

Appendix A

1. Accreditation Scope

A transmitter operating at 40 GHz requires spurious emissions to be investigated up to 200 GHz. In this case, the test laboratory scope should reflect that it has capability to measure up to 200 GHz.

UL KOREA LTD. test sites and facilities are covered under FCC test Firm Registrations #KR0161.

The scope of accreditation can be viewed at

https://apps.fcc.gov/oetcf/eas/reports/ViewTestFirmAccredScopes.cfm?calledFromFrame=N&RequestTimeout=500®num_specified=N&test_firm_id=7730

2. VDI Mixer Certificate Report

2.1. Model : N9029AV15, S/N : SAX693

교 정 성 적 서

Certificate of Calibration

주식회사 에이치시티 경기도 이천시 마장면 서이천로578번길 74
Tel : 031-645-6900, Fax : 031-645-6969



성적서번호(Certificate No) : IC-2025-116068-R1
교정번호(Calibration No) : C-2025-137139

페이지(page) : 1 of 5

※ 이 성적서는 제'IC-2025-116068'호의 수정 성적서입니다.

1. 의뢰자 (Client)

기관명 (Name) : 유엘코리아(주)
주소 (Address) : 경기도 수원시 영통구 매영로 218

2. 측정기 (Calibration subject)

기기명 (Description) : SA EXTENSION MODULE
제조회사 (Manufacturer) : VDI
형식 (Model name) : N9029AV15
기기번호 (Serial number) : SAX693
HCT 등록번호 (HCT ID) : 409611
고객사 관리번호 (Asset ID) : SUW-E0250

3. 교정일자 (Date of calibration) : 2026.01.05

차기교정예정일자 (The due date of next Cal.) : 2027.01.05

※ 차기교정예정일자는 교정대상 및 주기설정을 위한 지침(KOLAS-G-008) 별표 1에 규정된 교정주기를 준용하여 기재됩니다.

4. 교정환경 (Environment)

온도 (Temperature) : (23.4 ± 0.2) °C 습도 (Humidity) : (50 ± 2) % R.H.
교정장소 (Location) : 교정표준실
(주소: 경기도 이천시 마장면 서이천로578번길 74)

5. 측정표준의 소급성 (Traceability)

교정방법 및 소급성 서술 (Calibration method and/or brief description)

이 성적서는 KS Q ISO/IEC 17025:2017를 준수하여 아래의 교정방법에 따라 국제 단위계(SI)를 실현하는 국가측정표준기관으로 부터 측정의 소급성이 확보된 표준장비를 이용하여 교정되었습니다.

교정방법 (Calibration method) : HCT-CS-125-40641

교정에 사용한 표준장비 명세 (List of used standards/specifications) : 2페이지의 Supplement 참조 (Refer to Page 2 Supplement)

6. 교정결과 (Calibration result) : 교정결과 참조 (Refer to the attached result)

7. 측정불확도 (Measurement uncertainty) : 교정결과 참조 (Refer to the attached result)

[주의사항 (Note)]

- 이 성적서는 측정기의 정밀정확도에 영향을 미치는 요소(과부하, 온도, 습도 등)의 급격한 변화가 발생한 경우에는 무효가 됩니다.
- 이 성적서는 위에 명시된 품목에만 적용되며, 주식회사 에이치시티의 서면 승인 없이는 전체를 복제할 수 없습니다.
- 이 성적서의 출력본은 좌측상단에 주식회사 에이치시티의 홀로그램이 포함된 위변조 방지 용지에 인쇄되어 발급되며 전자 문서로 발급되는 경우 수정 방지를 위해 보안코드가 적용되어 발급됩니다.
- 이 성적서의 진위여부는 주식회사 에이치시티의 교정기관 웹 사이트(<http://www.callab.co.kr>)에서 확인이 가능합니다.

확 인 (Affirmation)	작성자 (Measurements performed by)	승인자 (Approved by)
	성명 (Name) : 강 석 훈	직위 (Title) : 기술책임자 성명 (Name) : 김 광 철

위 성적서는 국제시험기관인정협력체(International Laboratory Accreditation Cooperation) 상호인정협정(Mutual Recognition Arrangement)에 서명한 한국인정기구(KOLAS)로부터 공인 받은 분야의 교정결과입니다. [인정번호 : KC00-011]
[인정분야 : 40641 고주파 스펙트럼 분석기]

2026.01.19

한국인정기구 인정

Accredited by KOLAS, Republic of KOREA

주식회사 에이치시티 대표이사

CEO, HCT CO.,Ltd.



HCT CO.,LTD.

F-02P-02-008(Rev.03)



페이지(page) : 2 of 5

비고 및 특이사항 (Remark or special requirements)

교 정 결 과

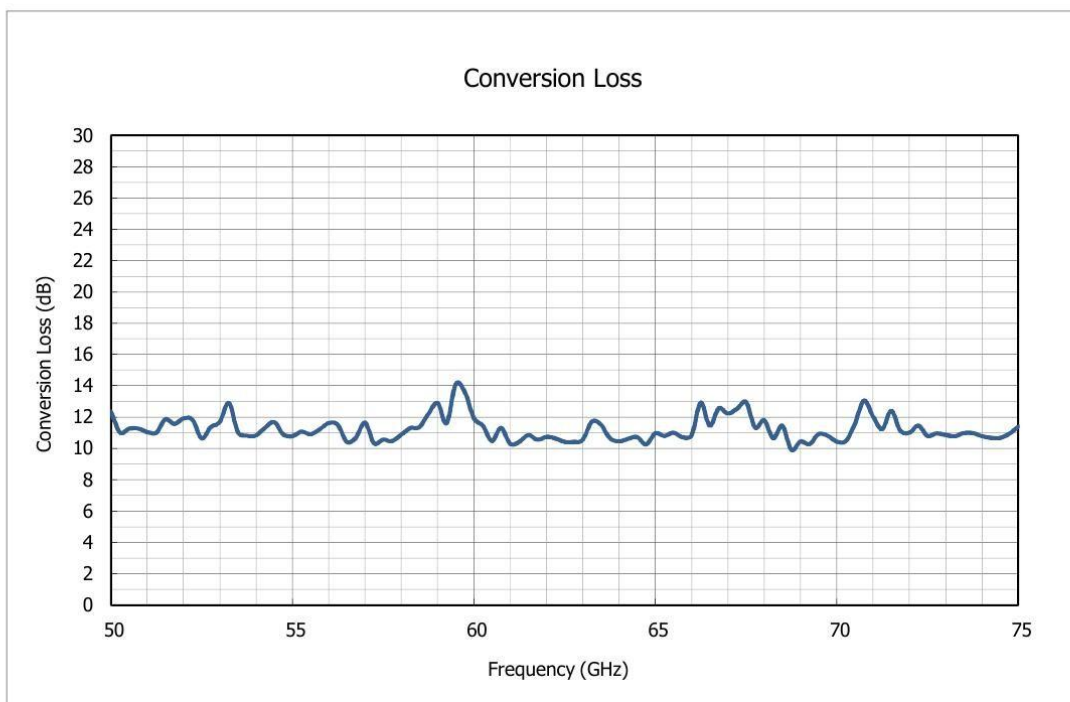


성적서번호(Certificate No) : IC-2025-116068-R1

교정번호(Calibration No) : C-2025-137139

페이지(page) : 3 of 5

※ Measurement Curve



[Note]

1. Measurement Condition : RF = -30 dBm, Harmonic Order = 12, L.O. Level = 10 dBm, IF = 322.5 MHz, Bias Value = 0.00 mA

교 정 결 과



성적서번호(Certificate No) : IC-2025-116068-R1

교정번호(Calibration No) : C-2025-137139

페이지(page) : 4 of 5

1. Conversion Loss Data

Frequency (GHz)	Conversion Loss (dB)	Measurement Uncertainty (dB)	Frequency (GHz)	Conversion Loss (dB)	Measurement Uncertainty (dB)
50.00	12.37	0.82	59.25	11.61	0.82
50.25	11.03	0.82	59.50	14.11	0.82
50.50	11.26	0.82	59.75	13.60	0.82
50.75	11.28	0.82	60.00	11.95	0.82
51.00	11.05	0.82	60.25	11.44	0.82
51.25	11.02	0.82	60.50	10.48	0.82
51.50	11.87	0.82	60.75	11.32	0.82
51.75	11.56	0.82	61.00	10.30	0.82
52.00	11.92	0.82	61.25	10.42	0.82
52.25	11.82	0.82	61.50	10.86	0.82
52.50	10.65	0.82	61.75	10.57	0.82
52.75	11.37	0.82	62.00	10.74	0.82
53.00	11.71	0.82	62.25	10.64	0.82
53.25	12.90	0.82	62.50	10.42	0.82
53.50	11.04	0.82	62.75	10.42	0.82
53.75	10.81	0.82	63.00	10.55	0.82
54.00	10.83	0.82	63.25	11.71	0.82
54.25	11.34	0.82	63.50	11.52	0.82
54.50	11.69	0.82	63.75	10.65	0.82
54.75	10.90	0.82	64.00	10.46	0.82
55.00	10.79	0.82	64.25	10.62	0.82
55.25	11.08	0.82	64.50	10.72	0.82
55.50	10.91	0.82	64.75	10.26	0.82
55.75	11.23	0.82	65.00	10.97	0.82
56.00	11.62	0.82	65.25	10.80	0.82
56.25	11.51	0.82	65.50	11.01	0.82
56.50	10.42	0.82	65.75	10.72	0.82
56.75	10.70	0.82	66.00	10.84	0.82
57.00	11.65	0.82	66.25	12.92	0.82
57.25	10.34	0.82	66.50	11.46	0.82
57.50	10.57	0.82	66.75	12.57	0.82
57.75	10.48	0.82	67.00	12.22	0.82
58.00	10.88	0.82	67.25	12.53	0.82
58.25	11.30	0.82	67.50	12.95	0.82
58.50	11.37	0.82	67.75	11.34	0.82
58.75	12.22	0.82	68.00	11.80	0.82
59.00	12.90	0.82	68.25	10.65	0.82

교 정 결 과



성적서번호(Certificate No) : IC-2025-116068-R1

교정번호(Calibration No) : C-2025-137139

페이지(page) : 5 of 5

1. Conversion Loss Data (cont.)

Frequency (GHz)	Conversion Loss (dB)	Measurement Uncertainty (dB)	Frequency (GHz)	Conversion Loss (dB)	Measurement Uncertainty (dB)
68.50	11.45	0.82	72.00	11.01	0.82
68.75	9.92	0.82	72.25	11.46	0.82
69.00	10.45	0.82	72.50	10.80	0.82
69.25	10.28	0.82	72.75	10.96	0.82
69.50	10.92	0.82	73.00	10.87	0.82
69.75	10.81	0.82	73.25	10.78	0.82
70.00	10.44	0.82	73.50	10.98	0.82
70.25	10.48	0.82	73.75	10.98	0.82
70.50	11.58	0.82	74.00	10.79	0.82
70.75	13.06	0.82	74.25	10.67	0.82
71.00	12.06	0.82	74.50	10.68	0.82
71.25	11.23	0.82	74.75	10.94	0.82
71.50	12.41	0.82	75.00	11.40	0.82
71.75	11.15	0.82	-	-	-

* 측정불확도의 신뢰수준 약 95 %(Confidence level of Measurement uncertainty is about 95 %), $k = 2$

끝.

2.2. Model : N9029AV10, S/N : SAX597

교정 성적서

Certificate of Calibration

주식회사 에이치시티 경기도 이천시 마장면 서이천로578번길 74
Tel : 031-645-6900, Fax : 031-645-6969



성적서번호(Certificate No) : IC-2025-116066-R1
교정번호(Calibration No) : C-2025-137137

페이지(page) : 1 of 5

※ 이 성적서는 제'IC-2025-116066'호의 수정 성적서입니다.

1. 의뢰자 (Client)

기관명 (Name) : 유엘코리아(주)
주소 (Address) : 경기도 수원시 영통구 매영로 218

2. 측정기 (Calibration subject)

기기명 (Description) : SA EXTENSION MODULE
제작회사 (Manufacturer) : VDI
형식(Model name) : N9029AV10
기기번호 (Serial number) : SAX597
HCT 등록번호 (HCT ID) : 409626
고객사 관리번호 (Asset ID) : SUW-E0252

3. 교정일자 (Date of calibration) : 2026.01.05

차기교정예정일자 (The due date of next Cal.) : 2027.01.05

※ 차기교정예정일자는 교정대상 및 주기설정을 위한 지침(KOLAS-G-008) 별표 1에 규정된 교정주기를 준용하여 기재됩니다.

4. 교정환경 (Environment)

온도 (Temperature) : (23.5 ± 0.2) °C 습도 (Humidity) : (50 ± 2) % R.H.
교정장소 (Location) : 고정표준실
(주소: 경기도 이천시 마장면 서이천로578번길 74)

5. 측정표준의 소급성 (Traceability)

교정방법 및 소급성 서술 (Calibration method and/or brief description)

이 성적서는 KS Q ISO/IEC 17025:2017를 준수하여 아래의 교정방법에 따라 국제 단위계(SI)를 실현하는 국가측정표준기관으로 부터 측정의 소급성이 확보된 표준장비를 이용하여 교정되었습니다.

교정방법 (Calibration method) : HCT-CS-125-40641

교정에 사용한 표준장비 명세 (List of used standards/specifications) : 2페이지의 Supplement 참조 (Refer to Page 2 Supplement)

6. 교정결과 (Calibration result)

: 교정결과 참조 (Refer to the attached result)

7. 측정불확도 (Measurement uncertainty)

: 교정결과 참조 (Refer to the attached result)

[주의사항 (Note)]

- 이 성적서는 측정기의 정밀정확도에 영향을 미치는 요소(과부하, 온도, 습도 등)의 급격한 변화가 발생한 경우에는 무효가 됩니다.
- 이 성적서는 위에 명시된 품목에만 적용되며, 주식회사 에이치시티의 서면 승인 없이는 전체를 복제할 수 없습니다.
- 이 성적서의 출력본은 좌측상단에 주식회사 에이치시티의 홀로그램이 포함된 위변조 방지 용지에 인쇄되어 발급되며 전자 문서로 발급되는 경우 수정 방지를 위해 보안코드가 적용되어 발급됩니다.
- 이 성적서의 진위여부는 주식회사 에이치시티의 교정기관 웹 사이트(<http://www.callab.co.kr>)에서 확인이 가능합니다.

확 인 (Affirmation)	작성자 (Measurements performed by)	승인자 (Approved by)
	성명 (Name) : 강 석 훈	직위 (Title) : 기술책임자 성명 (Name) : 김 광 철

위 성적서는 국제시험기관인정협력체(International Laboratory Accreditation Cooperation) 상호인정협정(Mutual Recognition Arrangement)에 서명한 한국인정기구(KOLAS)로부터 공인 받은 분야의 교정결과입니다. [인정번호 : KC00-011]
[인정분야 : 40641 고주파 스펙트럼 분석기]

2026.01.19

한국인정기구 인정

Accredited by KOLAS, Republic of KOREA

주식회사 에이치시티 대표이사

CEO, HCT CO.,Ltd.



HCT CO.,LTD.

F-02P-02-008(Rev.03)



페이지(page) : 2 of 5

비고 및 특이사항 (Remark or special requirements)

교 정 결 과

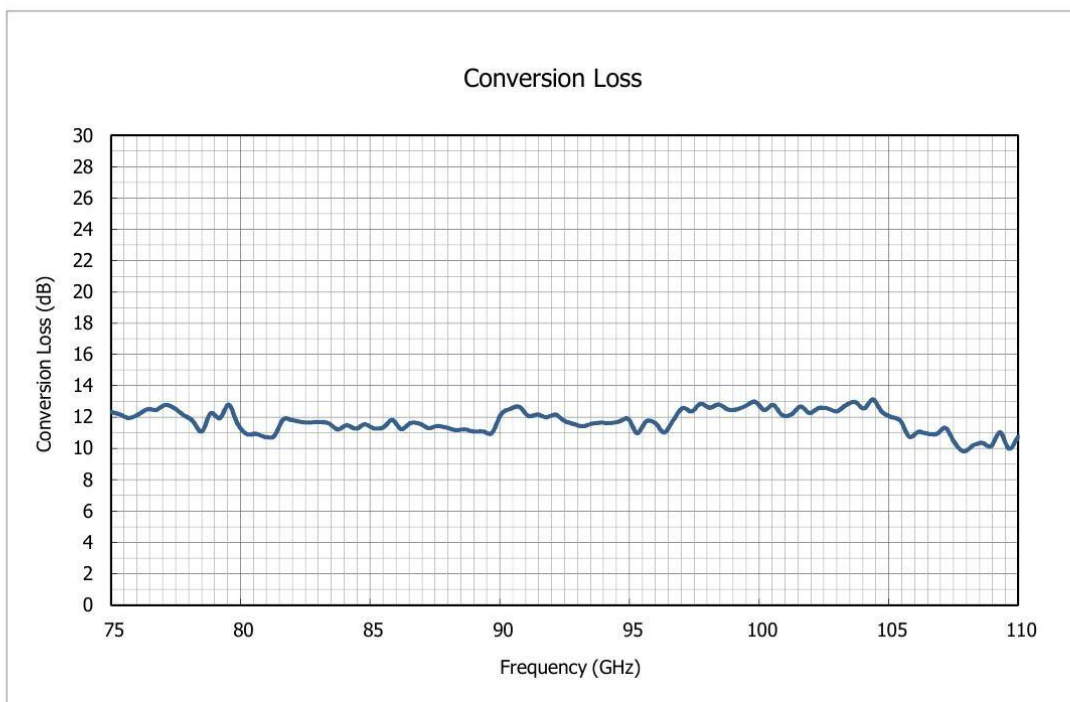


성적서번호(Certificate No) : IC-2025-116066-R1

교정번호(Calibration No) : C-2025-137137

페이지(page) : 3 of 5

※ Measurement Curve



[Note]

1. Measurement Condition : RF = -30 dBm, Harmonic Order = 12, L.O. Level = 10 dBm, IF = 322.5 MHz, Bias Value = 0.00 mA

교 정 결 과



성적서번호(Certificate No) : IC-2025-116066-R1

교정번호(Calibration No) : C-2025-137137

페이지(page) : 4 of 5

1. Conversion Loss Data

Frequency (GHz)	Conversion Loss (dB)	Measurement Uncertainty (dB)	Frequency (GHz)	Conversion Loss (dB)	Measurement Uncertainty (dB)
75.0	12.34	0.82	88.0	11.34	0.82
75.4	12.17	0.82	88.3	11.18	0.82
75.7	11.95	0.82	88.7	11.22	0.82
76.1	12.17	0.82	89.0	11.08	0.82
76.4	12.50	0.82	89.4	11.09	0.82
76.8	12.46	0.82	89.7	10.99	0.82
77.1	12.78	0.82	90.1	12.18	0.82
77.5	12.57	0.82	90.4	12.53	0.82
77.8	12.14	0.82	90.8	12.65	0.82
78.2	11.78	0.82	91.1	12.08	0.82
78.5	11.08	0.82	91.5	12.17	0.82
78.9	12.25	0.82	91.8	12.00	0.82
79.2	11.94	0.82	92.2	12.16	0.82
79.6	12.79	0.82	92.5	11.76	0.82
79.9	11.52	0.82	92.9	11.57	0.82
80.3	10.92	0.82	93.2	11.42	0.82
80.6	10.94	0.82	93.6	11.59	0.82
81.0	10.74	0.82	93.9	11.65	0.82
81.3	10.80	0.82	94.3	11.62	0.82
81.7	11.86	0.82	94.6	11.71	0.82
82.0	11.81	0.82	95.0	11.90	0.82
82.4	11.68	0.82	95.3	10.98	0.82
82.7	11.66	0.82	95.7	11.74	0.82
83.1	11.69	0.82	96.0	11.62	0.82
83.4	11.61	0.82	96.4	11.02	0.82
83.8	11.22	0.82	96.7	11.83	0.82
84.1	11.48	0.82	97.1	12.58	0.82
84.5	11.26	0.82	97.4	12.37	0.82
84.8	11.54	0.82	97.8	12.85	0.82
85.2	11.28	0.82	98.1	12.61	0.82
85.5	11.34	0.82	98.5	12.81	0.82
85.9	11.82	0.82	98.8	12.49	0.82
86.2	11.24	0.82	99.2	12.50	0.82
86.6	11.62	0.82	99.5	12.74	0.82
86.9	11.59	0.82	99.9	12.98	0.82
87.3	11.30	0.82	100.2	12.45	0.82
87.6	11.44	0.82	100.6	12.78	0.82