

TEST REPORT

JNM Korea Testing Center Co. Ltd. 135-60 Gyeongchung-daero, Gonjam-eup, Gwangju-si, Gyeonggi-do, Korea 12813 Tel: +82-31-727-8300 Fax: +82-31-764-0800	Report No.: TR-W2609-008 Page (1) / (50) Pages	
Project Number : EA2607C-220 Test Report Number : TR-W2609-008 Type of Equipment : Audio Transceiver Model Name : MV60001 Additional Model Name(s) : - Applicant : SAM JIN CO., LTD Address : 81, Anyangcheonseo-ro, Manan-gu, Anyang-si, Gyeonggi-do, Republic of Korea Manufacturer : SAM JIN CO., LTD Address : 81, Anyangcheonseo-ro, Manan-gu, Anyang-si, Gyeonggi-do, Republic of Korea Product Standard : FCC Part 15 Subpart E 15.407 Date of Receipt : 2026-07-31 Date(s) of tests : 2026-08-28 ~ 2026-09-09 Date of Issue : 2026-09-10 Test Result : PASS This test report only contains the result of a single test of the sample supplied for the examination. It is not a generally valid assessment of the features of the respective products of the mass-production. It shall not be reproduced except in full, without the written approval of the JNM Korea Testing Center Co. Ltd.		
Prepared by  _____ Hong, Sun-duk / Engineer	Approved by  _____ Shin, Jong-myung / Team Leader	

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Revision History

Date	Report No.	Description	Revised By	Reviewed By
2026-09-10	TR-W2609-008	Initial report	Hong, Sun-duk	Shin, Jong-myung

1. Test Summary

1.1 Test standards and results

The sample submitted for evaluation (Hereafter refer to as the EUT) has been tested in accordance with the following standards.

FCC Rule	Test Items	Test Condition	Results
§15.407(a)	Antenna Requirement	Conducted	C
§15.407(a)	26 dB Emission Bandwidth		N/T ^{Note2}
§15.407(a)	Maximum Conducted Output Power		N/T ^{Note2}
§15.407(a)	Maximum Power Spectral Density		N/T ^{Note2}
§15.407(e)	6 dB Emission Bandwidth		N/T ^{Note2}
§15.407(b)	Conducted Undesirable Emissions		N/T ^{Note2}
§15.407(g)	Frequency Stability		N/T ^{Note2}
§15.205, §15.407(b)	Radiated Undesirable Emissions	Radiated	C
§15.207	AC Power Line Conducted Emissions	AC Line Conducted	N/T ^{Note2}

Note 1 : C = Complies, N/C = Not Complies, N/T = Not Tested, N/A = Not Applicable.

Note 2 : This report is prepared for a Class II Permissive Change of FCC ID: 2AF4SMV60001.

The modification is limited to the replacement of the PCB diversity antennas with ANT A (ATMP-A) and ANT B (ATMP-B).

No changes were made to the RF circuitry, RF components, transmitter output power settings, modulation parameters, operating frequencies, RF-related firmware, AC adapter, power supply and input circuitry, enclosure, or peripheral configuration.

Therefore, the conducted RF tests, including the 26 dB bandwidth, 6 dB bandwidth, maximum conducted output power, power spectral density and frequency stability, were not repeated.

The AC power-line conducted emission test was also not repeated because the antenna change does not affect the AC mains conducted emission characteristics and the power configuration remains unchanged.

The results documented in the original FCC certification test report No. OT-255-RWD-020 remain representative of and applicable to the modified equipment. Radiated undesirable emissions, band-edge emissions and restricted-band emissions were evaluated with both changed antennas, and the results are documented in this report.

The sample was tested in accordance with ANSI C63.10:2020. Compliance was determined based on the applicable limits of FCC Part 15 Subpart E, Section 15.407.

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1.4 Test Facility

The measurement facilities are located at 135-60 Gyeongchung-daero, Gonjam-eup, Gwangju-si, Gyeonggi-do 12813, Korea. Our test facilities are accredited as a Conformity Assessment Body (CAB) by the FCC and ISED Canada, designated by the RRA (National Radio Research Agency), and accredited by KOLAS (Korea Laboratory Accreditation Scheme) in Korea and approved by TÜV SÜD and Korean Register of Shipping according to the requirement of ISO/IEC 17025.

Laboratory Qualification	Registration No.	Mark
FCC	KR0160	
ISED Canada	12721A	
RRA	KR0160	
TÜV SÜD	CARAT 094465 0004 Rev.00	
Korean Agency for Technology and Standards	KT733	
Korea Register of Shipping	PCT40841-TL001	
VCCI	Member No: 4297	

Remark. This report is not related to KOLAS accreditation and relevant regulation.

2. General Product Description

2.1 Equipment Description

Description
The EUT is an Audio Transceiver

2.2 Equipment Information

Product	Audio Transceiver		
Test Model	MV60001		
FCC ID	2AF4SMV60001		
Equipment Category	Short Range Device		
Type of Modulation	GFSK		
Type of Units	Stand-alone equipment		
Operating Frequency	5 160 MHz ~ 5 245 MHz (U-NII-1)		
	5 730 MHz ~ 5 850 MHz (U-NII-3)		
	5 850 MHz ~ 5 870 MHz (U-NII-4)		
Antenna Type	PCB Antenna	Antena A	M/N : ATMP-A
		Antena B	M/N : ATMP-B
Antenna Gain	5 160 MHz ~ 5 245 MHz (U-NII-1)	Antenna A	2.12 dBi
		Antenna B	1.96 dBi
	5 730 MHz ~ 5 850 MHz (U-NII-3)	Antenna A	1.77 dBi
		Antenna B	1.98 dBi
	5 850 MHz ~ 5 870 MHz (U-NII-4)	Antenna A	1.97 dBi
		Antenna B	1.69 dBi
Hardware Version	1.0		
Software Version	1.0		

Note : The Device works a Diversity Antenna.

2.3 Additional Model Name(s)

- None

3. Test Condition and Operating Modes

3.1 Modes of operation during the test

Test Mode	Description
-	The EUT was configured to continuous transmission mode at the maximum power setting via test software.
# 1	The measurement was performed at 5 160 MHz (Ch.1), 5 205 MHz (Ch.10) and 5 245 MHz (Ch.18) for the U-NII-1 band.
# 2	The measurement was performed at 5 730 MHz (Ch.1), 5 785 MHz (Ch.12) and 5 845 MHz (Ch.24) for the U-NII-3 band.
# 3	The measurement was performed at 5 850 MHz (Ch.1), 5 860 MHz (Ch.3) and 5 870 MHz (Ch.5) for the U-NII-4 band.

3.2 Equipment Used During Test

The following peripheral devices and/or interface cables were connected during the measurement:

Description	Model No.	Serial No.	Manufacturer.
EUT	MV60001	-	MV60001
Jig Board	SMTEVBQHE58RH1	-	SYNIC
Jig Board Adaptor	DCP015A050600K	-	ZIONCOM (VIETNAM) CO., LTD
Notebook	V15 G4 ABP	-	Lenovo

3.3 Cable Description

Description	Ports Name	Shielded (Y/N)	Ferrite Core (Y/N)	Length (m)	Connected to
EUT	Flat Cable	N	N	0.2	Jig Board
Jig board	DC input	N	N	1.5	AC Adapter for Jig Board
AC Adapter for Jig Board	AC Input	N	N	1.0	AC Mains
Jig board	USB	N	N	1.0	Notebook

3.4 EUT Modifications

- No RF-related modifications were made to the EUT by this test laboratory.

4. Measurement Uncertainty

Measurement Item	Expanded Uncertainty $U = k \cdot U_c (k = 2)$	
Radiated Spurious Emissions	30 MHz ~ 1 GHz	4.8 dB
	1 GHz ~ 18 GHz	5.4 dB
	18 GHz ~ 26.5 GHz	4.9 dB
	26.5 GHz ~ 40 GHz	4.8 dB

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5. Test Parameter

5.1 Antenna Requirement

5.1.1 Definition

According to §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

According to §15.407(a)(1)(iv), for client devices operating in the 5.15-5.25 GHz band, the maximum conducted output power shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If the transmitting antenna gain exceeds 6 dBi, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

According to §15.407(a)(3)(i), for devices operating in the 5.725-5.850 GHz band, if transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

According to §15.407(a)(3)(iii), for client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density shall not exceed 14 dBm e.i.r.p. in any 1 MHz band and the maximum e.i.r.p. over the frequency band of operation shall not exceed 30 dBm.

5.1.2 Result

Complies

The transmitter employs a PCB pattern antenna. The antennas are permanently integrated and are not user replaceable. The maximum directional peak antenna gains are 2.12 dBi for U-NII-1, 1.98 dBi for U-NII-3, and 1.97 dBi for U-NII-4.

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5.2 Radiated Undesirable Emissions

5.2.1 Test Setup

Refer to the APPENDIX I.

5.2.2 Limit

FCC Part 15.407 (b): Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dB m/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dB m/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dB m/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dB m/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dB m/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dB m/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dB m/MHz at the band edge.
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge, increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to 27 dBm/MHz at the band edge.
- (5) For transmitters operating solely in the 5.850-5.895 GHz band or operating on a channel that spans across 5.725-5.895 GHz:
 - (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz.
 - (iii) For a client device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz, increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to 27 dBm/MHz at 5.725 GHz.
- (8) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
- (10) The provisions of §15.205 apply to intentional radiators operating under this section.
- (11) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

According to § 15.209(a), except as provided elsewhere in this Subpart, the emissions from an intentional

radiator shall not exceed the field strength levels specified in the following table

Frequency (MHz)	Limit (μV/m)	Measurement Distance (meter)
0.009 ~ 0.490	2400/F (kHz)	300
0.490 ~ 1705	24000/F (kHz)	30
1705 ~ 30.0	30	30
30 ~ 88	100 **	3
88 ~ 216	150 **	3
216 ~ 960	200 **	3
Above 960	500	3

** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54 - 72 MHz, 76 - 88 MHz, 174 - 216 MHz or 470 - 806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241. According to § 15.205(a) and (b), only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 ~ 0.110	16.42 ~ 16.423	399.9 ~ 410	4.5 ~ 5.15
0.495 ~ 0.505	16.69475 ~ 16.69525	608 ~ 614	5.35 ~ 5.46
2.1735 ~ 2.1905	16.80425 ~ 16.80475	960 ~ 1240	7.25 ~ 7.75
4.125 ~ 4.128	25.5 ~ 25.67	1300 ~ 1427	8.025 ~ 8.5
4.17725 ~ 4.17775	37.5 ~ 38.25	1435 ~ 1626.5	9.0 ~ 9.2
4.20725 ~ 4.20775	73 ~ 74.6	1645.5 ~ 1646.5	9.3 ~ 9.5
6.215 ~ 6.218	74.8 ~ 75.2	1660 ~ 1710	10.6 ~ 12.7
6.26775 ~ 6.26825	108 ~ 121.94	1718.8 ~ 1722.2	13.25 ~ 13.4
6.31175 ~ 6.31225	123 ~ 138	2200 ~ 2300	14.47 ~ 14.5
8.291 ~ 8.294	149.9 ~ 150.05	2310 ~ 2390	15.35 ~ 16.2
8.362 ~ 8.366	156.52475 ~ 156.52525	2483.5 ~ 2500	17.7 ~ 21.4
8.37625 ~ 8.38675	156.7 ~ 156.9	2690 ~ 2900	22.01 ~ 23.12
8.41425 ~ 8.41475	162.0125 ~ 167.17	3260 ~ 3267	23.6 ~ 24.0
12.29 ~ 12.293	167.72 ~ 173.2	3332 ~ 3339	31.2 ~ 31.8
12.51975 ~ 12.52025	240 ~ 285	3345.8 ~ 3358	36.43 ~ 36.5
12.57675 ~ 12.57725	322 ~ 335.4	3600 ~ 4400	Above 38.6
13.36 ~ 13.41			

The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

5.2.3 Test Procedure

1. The EUT is placed on a non-conductive table. For emission measurements at or below 1 GHz, the table height is 80 cm. For emission measurements above 1 GHz, the table height is 1.5 m. The table was rotated 360 degrees to determine the position of the highest radiation.
2. During performing radiated emission below 1 GHz, the EUT was set 3 meters away from the interference receiving antenna, which was mounted on the top of a variable-height antenna tower. During performing radiated emission above 1 GHz, the EUT was set 3 meter away from the interference-receiving antenna.
3. For measurements above 1 GHz absorbers are placed on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1 GHz, the absorbers are removed.
4. The antenna is a Broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
5. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.
(The EUT was pre-tested with three axes (X, Y, Z) and the final test was performed at the worst case.)
6. Repeat above procedures until the measurements for all frequencies are complete.

Radiated spurious emission measured using following Measurement Procedure of **KDB789033 D02v02r01**

General Requirements for Unwanted Emissions Measurements

The following requirements apply to all unwanted emissions measurements, both in and outside of the restricted bands:

▪ EUT Duty Cycle

- (1) The EUT shall be configured or modified to transmit continuously except as stated in (ii), below. The intent is to test at 100 percent duty cycle; however a small reduction in duty cycle (to no lower than 98 percent) is permitted if required by the EUT for amplitude control purposes. Manufacturers are expected to provide software to the test lab to permit such continuous operation.
- (2) If continuous transmission (or at least 98 percent duty cycle) cannot be achieved due to hardware limitations of the EUT (e.g., overheating), the following additions to the measurement and reporting procedures are required:
 - The EUT shall be configured to operate at the maximum achievable duty cycle.
 - Measure the duty cycle, x, of the transmitter output signal.
 - Adjustments to measurement procedures (e.g., increasing test time and number of traces averaged) shall be performed as described in the procedures below.
 - The test report shall include the following additional information:
 - The reason for the duty cycle limitation.
 - The duty cycle achieved for testing and the associated transmit duration and interval between transmissions.

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◦ The sweep time and the amount of time used for trace stabilization during max-hold measurements for peak emission measurements.

(3) Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Measurements below 1 GHz

- a) Follow the requirements in section II.G.3, "General Requirements for Unwanted Emissions Measurements".
- b) Compliance shall be demonstrated using CISPR quasi-peak detection; however, peak detection is permitted as an alternative to quasi-peak detection.

Measurements above 1 GHz (Peak)

- a) Follow the requirements in section II.G.3, "General Requirements for Unwanted Emissions Measurements".
- b) Peak emission levels are measured by setting the analyzer as follows:
 - (i) RBW = 1 MHz.
 - (ii) VBW $\geq$ 3 MHz.
 - (iii) Detector = Peak.
 - (iv) Sweep time = Auto.
 - (v) Trace mode = Max hold.
 - (vi) Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle.

For example, at 50 percent duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

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Measurements above 1 GHz (Method AD)

(i) RBW = 1 MHz.

(ii) VBW $\geq$ 3 MHz.

(iii) Detector = RMS, if span / (# of points in sweep) $\leq$ RBW / 2. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, the detector mode shall be set to peak.

(iv) Averaging type = power (i.e., RMS)

- As an alternative, the detector and averaging type may be set for linear voltage averaging. Some analyzers require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.

(v) Sweep time = Auto.

(vi) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, the number of traces shall be increased by a factor of 1/x, where x is the duty cycle. For example, with 50 percent duty cycle, at least 200 traces shall be averaged.

(vii) If tests are performed with the EUT transmitting at a duty cycle less than 98 percent, a correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

- If power averaging (RMS) mode was used in step (iv) above, the correction factor is $10 \log(1/x)$, where x is the duty cycle. For example, if the transmit duty cycle was 50 percent, then 3 dB must be added to the measured emission levels.
- If linear voltage averaging mode was used in step (iv) above, the correction factor is $20 \log(1/x)$, where x is the duty cycle. For example, if the transmit duty cycle was 50 percent, then 6 dB must be added to the measured emission levels.
- If a specific emission is demonstrated to be continuous (100 percent duty cycle) rather than turning on and off with the transmit cycle, no duty cycle correction is required for that emission.

Please refer to Appendix III for the duty cycle correction factor

5.2.4 Test Result

9 kHz ~ 40 GHz Data for SRD

● ANT A

Band	Tested Channel (MHz)	Freq. (MHz)	Reading (dBµV/m)		Pol.	T.F (dB)	Limits (dBµV/m)		Result (dBµV/m)		Margin (dB)	
			AV / Peak				AV / Peak		AV / Peak		AV / Peak	
U-NII 1	5 160.00	4 970.60	31.40	42.04	V	2.77	54.00	74.00	34.17	44.81	19.83	29.19
		5 360.67	29.81	41.86	V	2.72	54.00	74.00	32.53	44.58	21.47	29.42
		10 318.62	40.64	46.60	V	5.18	54.0	74.0	45.8	51.8	8.18	22.22
	5 205.00	5 074.60	31.42	41.99	V	2.82	54.00	74.00	34.24	44.81	19.76	29.19
		5 410.72	29.81	42.03	V	2.92	54.00	74.00	32.73	44.95	21.27	29.05
		10 408.72	37.11	45.30	V	5.18	54.0	74.0	42.3	50.5	11.71	23.52
	5 245.00	5 074.60	31.42	41.99	V	2.82	54.00	74.00	34.24	44.81	19.76	29.19
		5 410.72	29.80	42.03	V	2.92	54.00	74.00	32.72	44.95	21.28	29.05
		10 488.58	32.97	42.83	V	5.18	54.0	74.0	38.2	48.0	15.85	25.99

Remark : T.F = Ant Factor + Cable Loss – Amp Gain

Margin(dB) = Limits (dBμV/m) – Result (dBμV/m)

Band	Tested Freq. (MHz)	Freq. (MHz)	Reading (dBμV/m) Peak	Pol.	T.F (dB)	Limits (dBμV/m)	Result (dBμV/m)	Margin (dB)
						Peak	Peak	Peak
U-NII 3	5 730.00	5 650.12	42.36	V	2.74	68.29	45.10	23.19
		5 700.51	43.58	V	2.64	105.34	46.22	59.12
		5 720.35	43.87	V	2.64	111.60	46.51	65.09
		5 729.43	87.90	V	2.64	140.00	90.54	49.46
		5 854.98	44.24	V	2.84	110.85	47.08	63.77
		5 872.11	44.48	V	2.84	106.01	47.32	58.69
		5 924.53	43.40	V	2.94	68.55	46.34	22.21
	5 845.00	5 650.02	42.86	V	2.74	68.21	45.6	22.6
		5 703.07	44.61	V	2.64	106.06	47.3	58.8
		5 720.04	42.72	V	2.64	110.89	45.4	65.5
		5 845.69	87.16	V	2.64	140.00	89.8	50.2
		5 854.55	44.93	V	2.84	111.83	47.8	64.1
		5 872.45	44.68	V	2.84	105.91	47.5	58.4
		5 924.93	43.91	V	2.94	68.3	46.9	21.4

Remark : T.F = Ant Factor + Cable Loss – Amp Gain

Margin(dB) = Limits (dBμV/m) – Result (dBμV/m)

Band	Tested Freq. (MHz)	Freq. (MHz)	Reading (dBμV/m) Peak	Pol.	T.F (dB)	Limits (dBμV/m)	Result (dBμV/m)	Margin (dB)
						Peak	Peak	Peak
U-NII 4	5 850.00	5 650.72	43.60	V	2.74	68.73	46.34	22.39
		5 700.35	44.28	V	2.64	105.30	46.92	58.38
		5 720.04	43.35	V	2.64	110.89	45.99	64.90
		5 850.76	87.74	V	2.84	140.00	90.58	49.42
		5 850.08	85.03	V	2.84	140.00	87.87	52.13
		5 924.99	33.06	V	2.94	68.21	36.00	32.21
	5 870.00	5 650.42	43.27	V	2.74	68.51	46.01	22.50
		5 700.05	44.13	V	2.64	105.21	46.77	58.44
		5 720.07	43.72	V	2.64	110.96	46.36	64.60
		5 870.80	87.80	V	2.84	140.00	90.64	49.36
		5 870.12	84.73	V	2.84	140.00	87.57	52.43
		5 924.63	33.11	V	2.94	68.47	36.05	32.42

Remark : T.F = Ant Factor + Cable Loss – Amp Gain

Margin(dB) = Limits (dBμV/m) – Result (dBμV/m)

● **ANT B**

Band	Tested Channel (MHz)	Freq. (MHz)	Reading (dBμV/m)		Pol.	T.F (dB)	Limits (dBμV/m)		Result (dBμV/m)		Margin (dB)	
			AV / Peak				AV / Peak		AV / Peak		AV / Peak	
U-NII 1	5 160.00	5 096.70	31.43	41.96	V	2.82	54.00	74.00	34.25	44.78	19.75	29.22
		5 447.68	29.83	62.06	V	2.92	54.00	74.00	32.75	64.98	21.25	9.02
		10 318.56	36.75	45.28	V	5.18	54.0	74.0	41.9	50.5	12.07	23.54
	5 205.00	4 651.45	31.39	42.47	V	1.97	54.00	74.00	33.36	44.44	20.64	29.56
		5 415.01	29.82	41.49	V	2.92	54.00	74.00	32.74	44.41	21.26	29.59
		10 408.44	32.31	42.20	V	5.18	54.0	74.0	37.5	47.4	16.51	26.62
	5 245.00	4 597.50	31.35	42.62	V	1.97	54.00	74.00	33.32	44.59	20.68	29.41
		5 454.39	29.80	42.46	V	3.02	54.00	74.00	32.82	45.48	21.18	28.52
		10 491.62	32.51	43.06	V	5.18	54.0	74.0	37.7	48.2	16.31	25.76

Remark : T.F = Ant Factor + Cable Loss – Amp Gain

Margin(dB) = Limits (dBμV/m) – Result (dBμV/m)

Band	Tested Freq. (MHz)	Freq. (MHz)	Reading (dBμV/m) Peak	Pol.	T.F (dB)	Limits (dBμV/m)	Result (dBμV/m)	Margin (dB)
						Peak	Peak	Peak
U-NII 3	5 730.00	5 650.07	42.69	V	2.74	68.25	45.43	22.82
		5 700.33	44.35	V	2.64	105.29	46.99	58.30
		5 720.13	43.56	V	2.64	111.10	46.20	64.90
		5 730.68	88.16	V	2.64	140.00	90.80	49.20
		5 854.99	43.57	V	2.84	110.82	46.41	64.41
		5 874.45	44.58	V	2.84	105.35	47.42	57.93
		5 924.63	43.89	V	2.94	68.47	46.83	21.64
	5 845.00	5 651.57	44.45	V	2.74	69.36	47.19	22.17
		5 702.33	44.28	V	2.64	105.85	46.92	58.93
		5 720.44	44.33	V	2.64	111.80	46.97	64.83
		5 844.44	87.54	V	2.64	140.00	90.18	49.82
		5 854.97	43.28	V	2.84	110.87	46.12	64.75
		5 871.73	44.58	V	2.84	106.12	47.42	58.70
		5 924.43	43.71	V	2.94	68.62	46.65	21.97

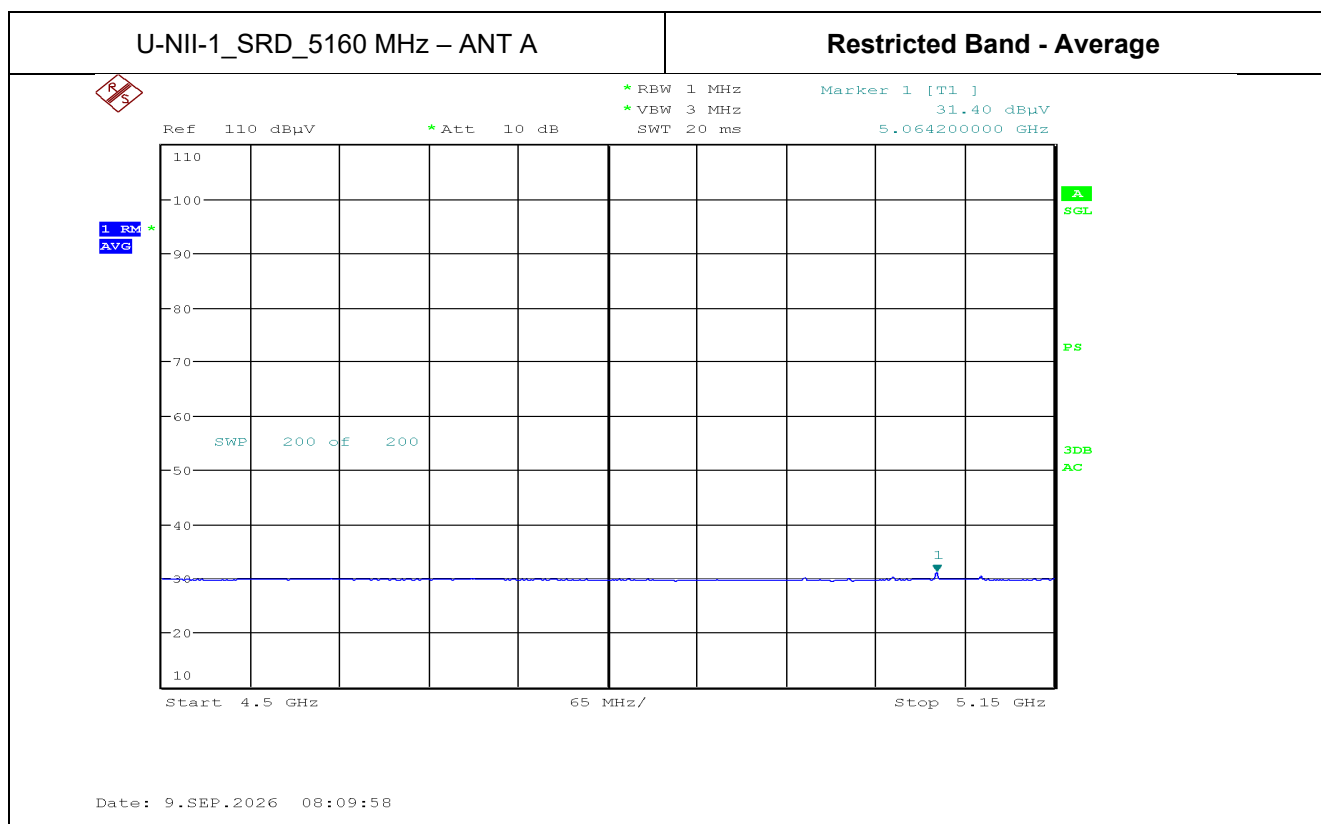
Remark : T.F = Ant Factor + Cable Loss – Amp Gain

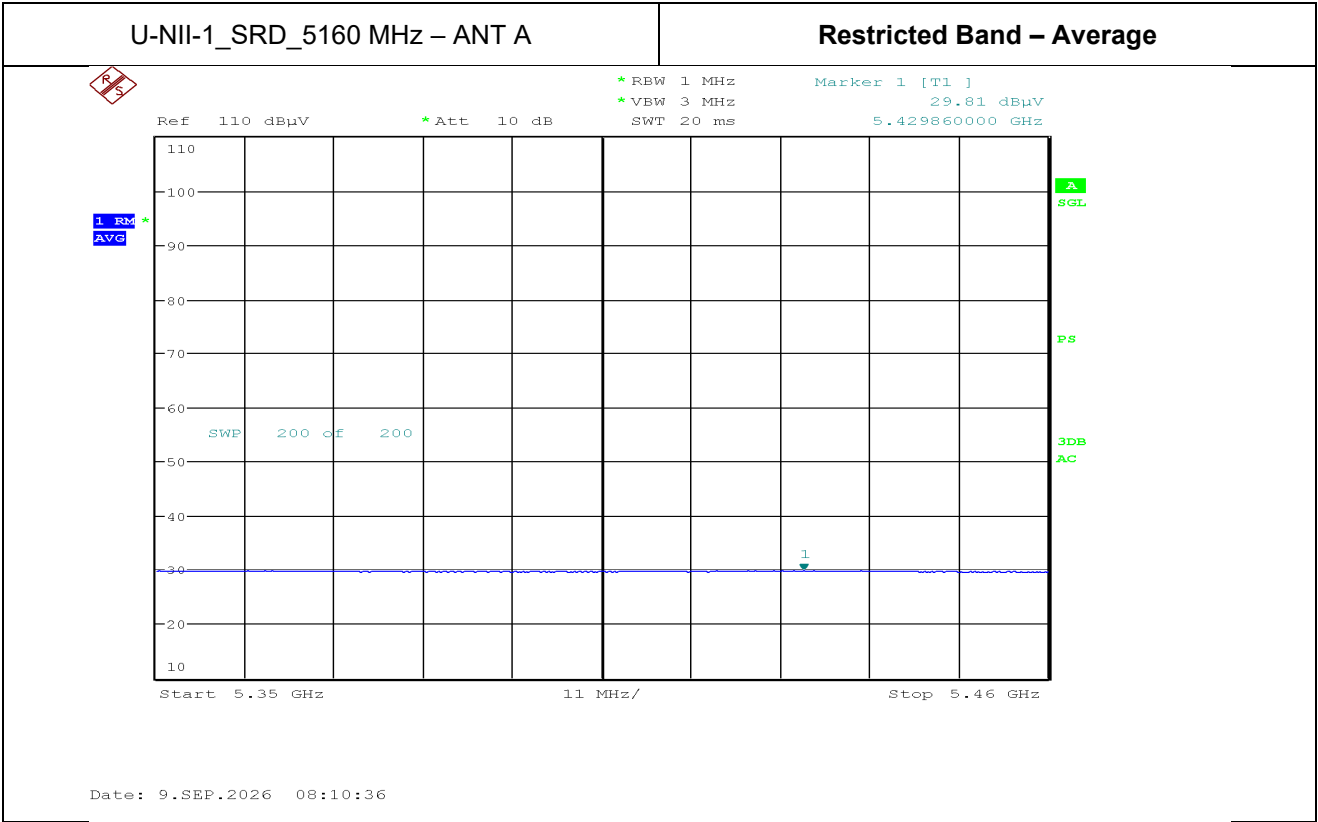
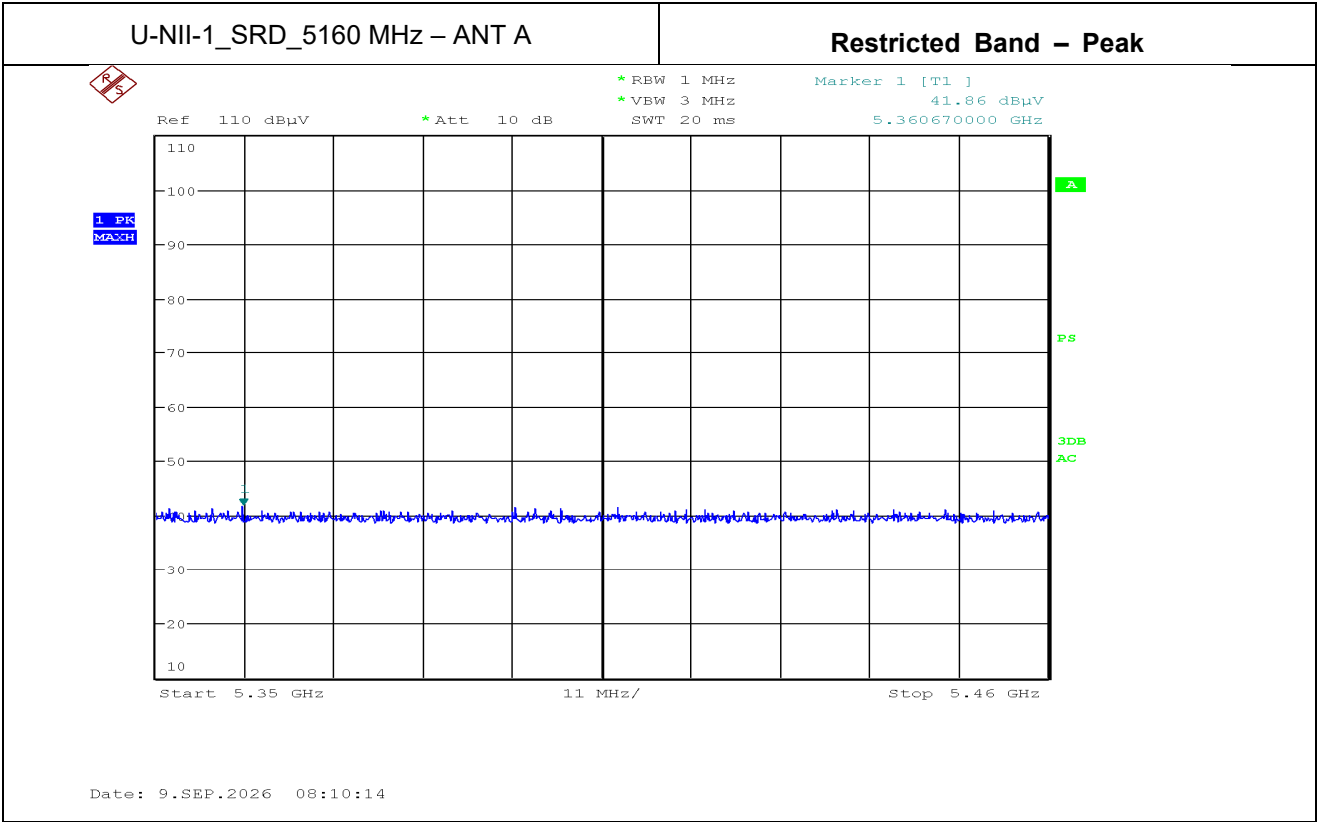
Margin(dB) = Limits (dBμV/m) – Result (dBμV/m)

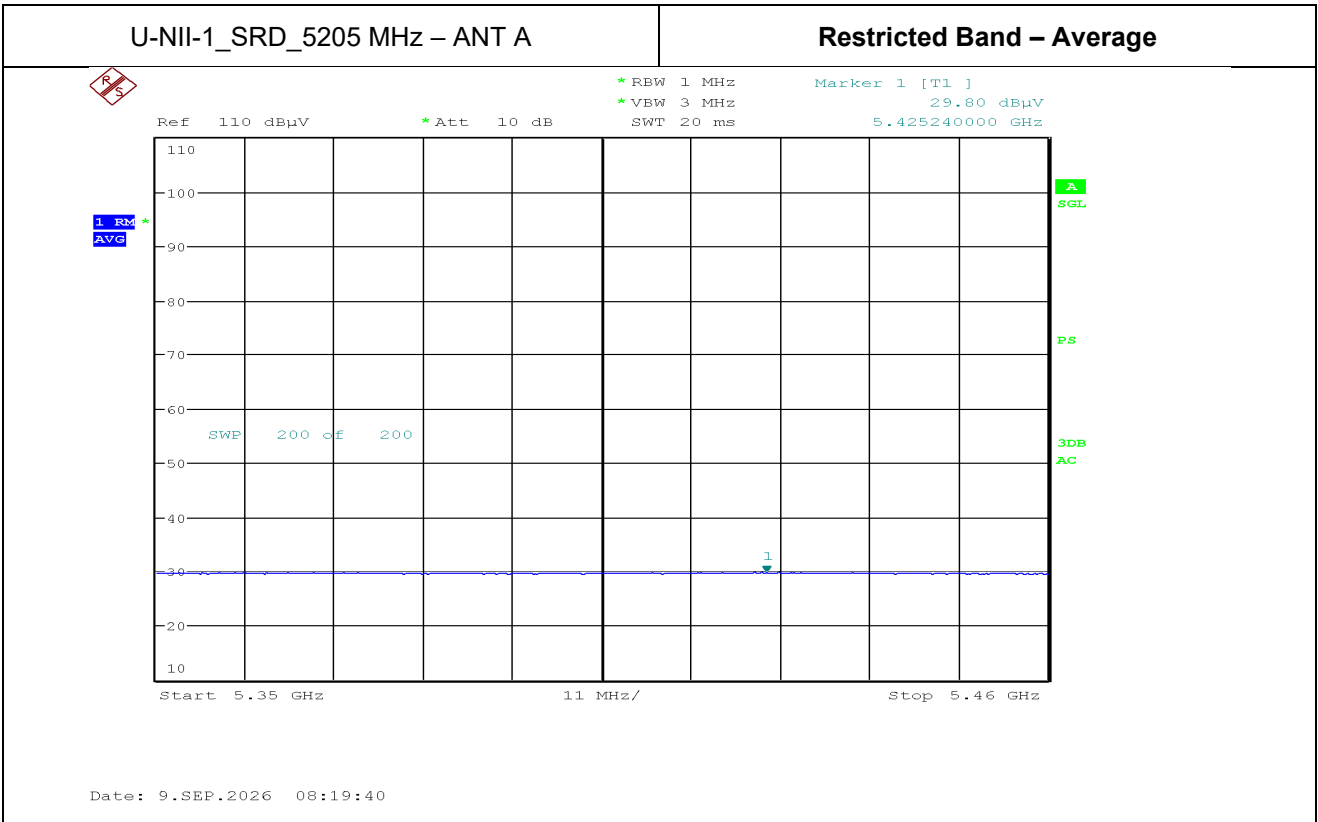
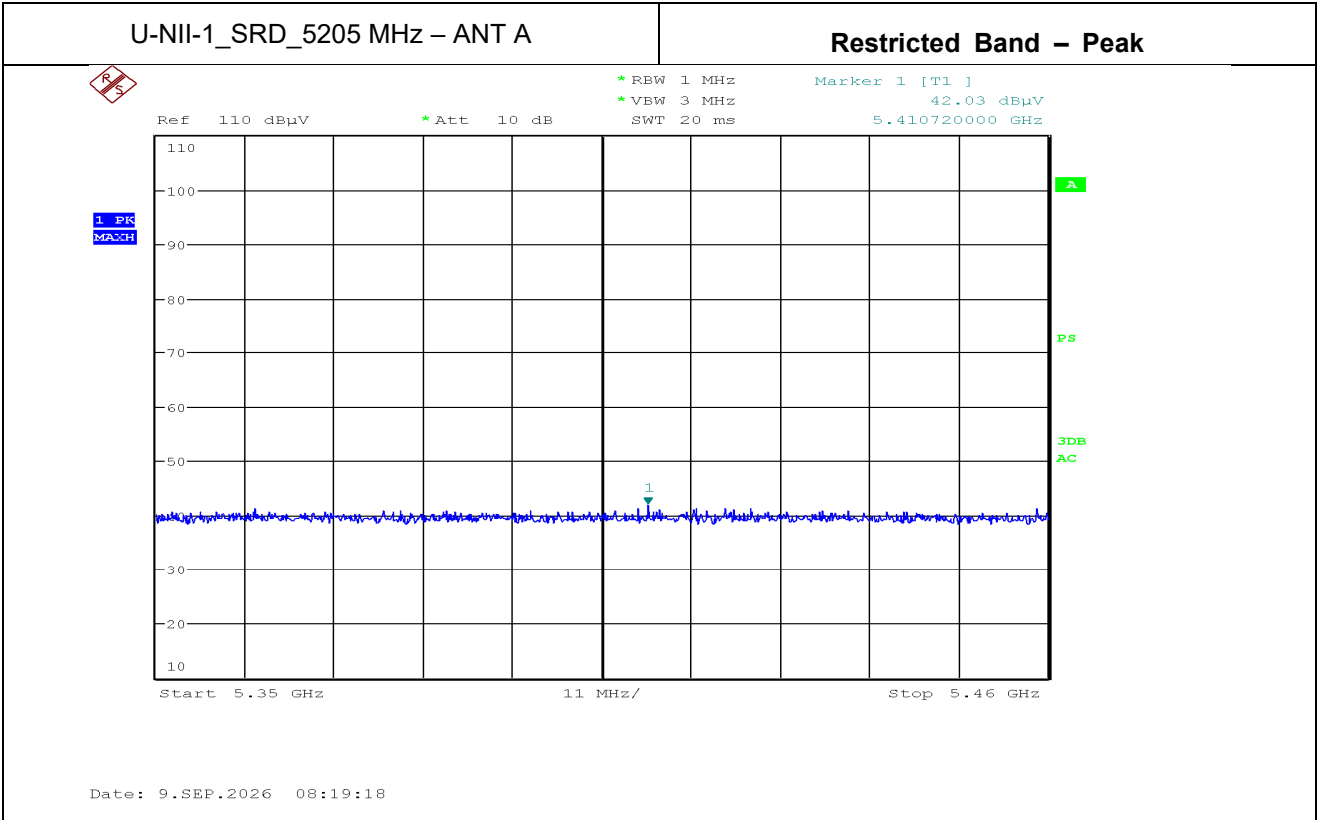
Band	Tested Freq. (MHz)	Freq. (MHz)	Reading (dBμV/m) Peak	Pol.	T.F (dB)	Limits (dBμV/m)	Result (dBμV/m)	Margin (dB)
						Peak	Peak	Peak
U-NII 4	5 850.00	5 650.07	43.04	V	2.74	68.25	45.78	22.47
		5 700.25	44.11	V	2.64	105.27	46.75	58.52
		5 720.17	43.27	V	2.64	111.19	45.91	65.28
		5 849.40	86.71	V	2.64	140.00	89.35	50.65
		5 850.25	83.68	V	2.84	140.00	86.52	53.48
		5 924.99	32.67	V	2.94	68.21	35.61	32.60
	5 870.00	5 650.07	43.15	V	2.74	68.25	45.89	22.36
		5 700.49	44.55	V	2.64	105.34	47.19	58.15
		5 720.00	43.29	V	2.64	110.80	45.93	64.87
		5 870.63	87.45	V	2.84	140.00	90.29	49.71
		5 870.12	84.44	V	2.84	140.00	87.28	52.72
		5 924.99	32.84	V	2.94	68.21	35.78	32.43

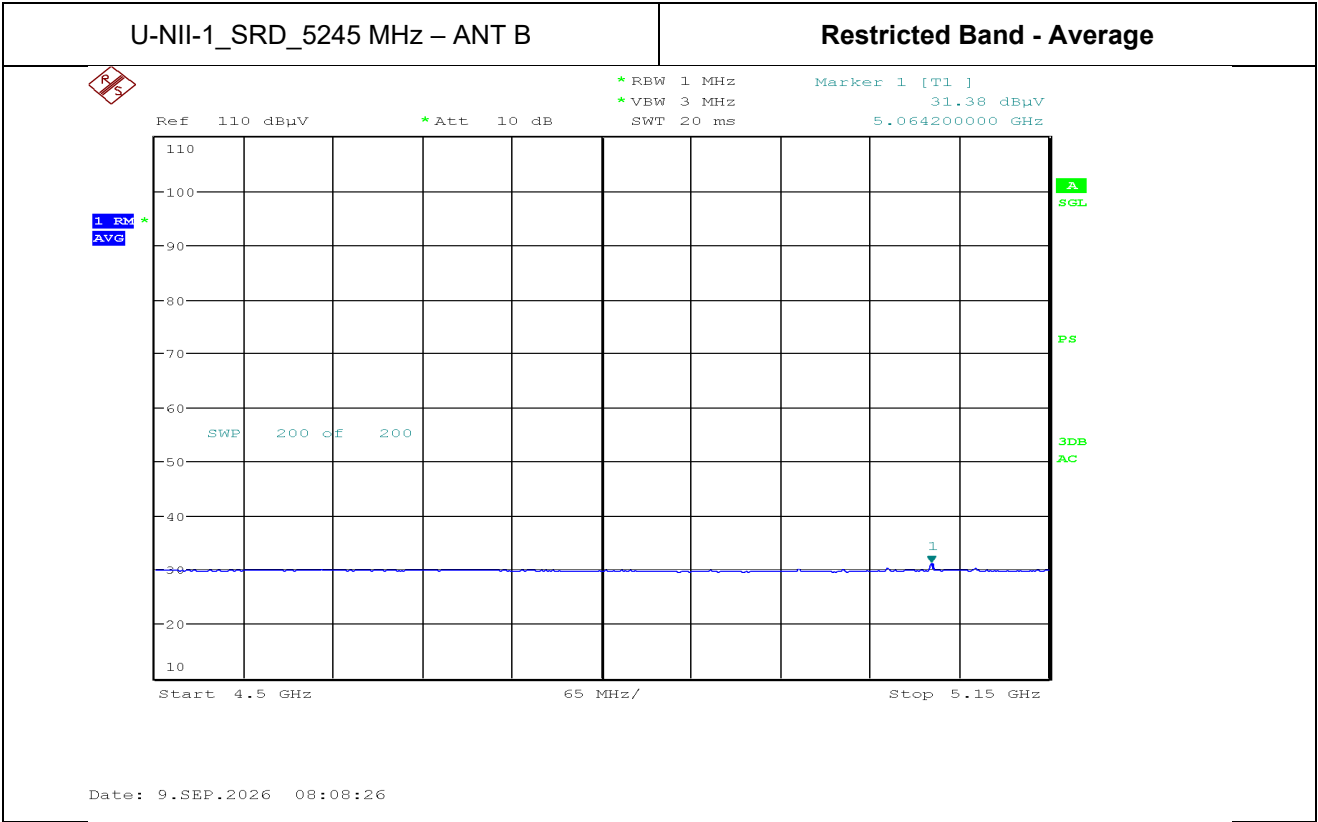
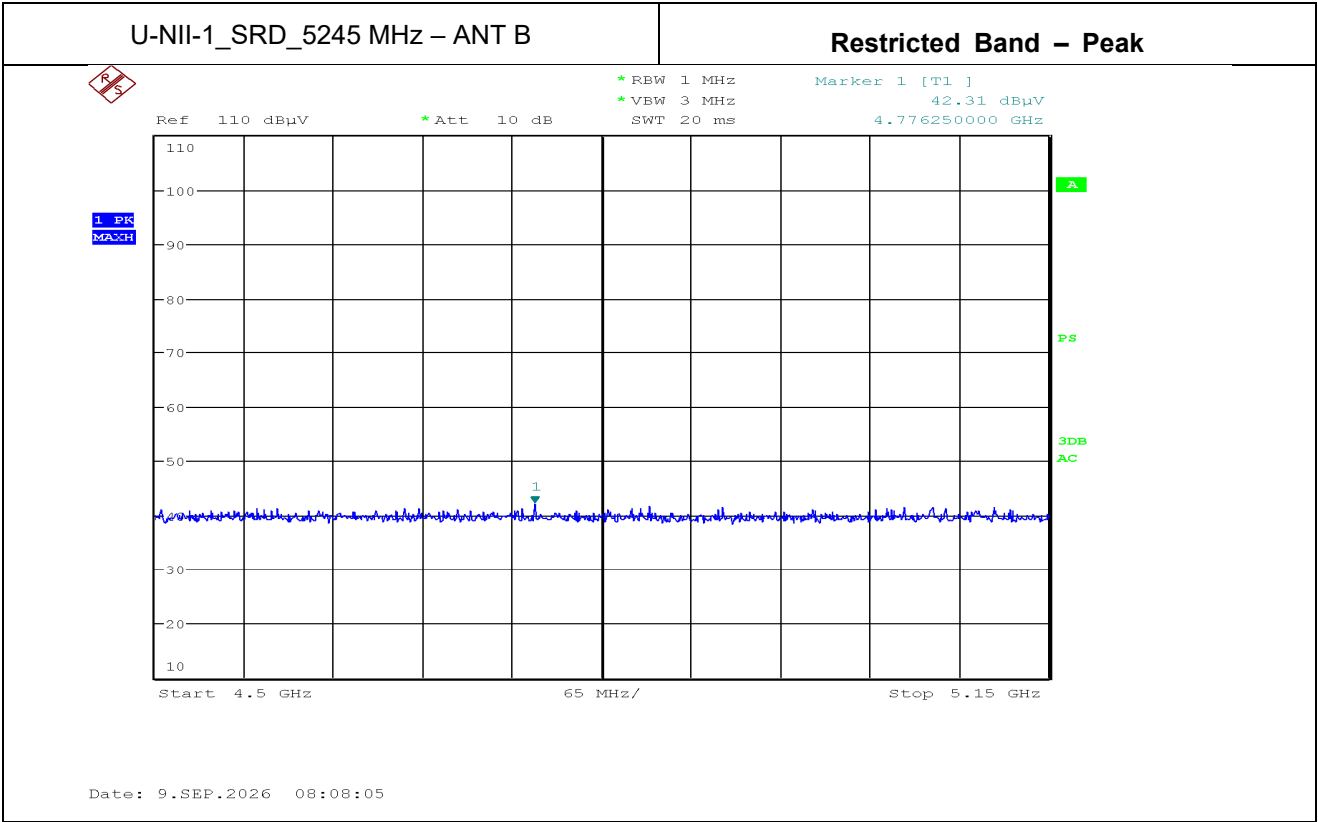
Remark : T.F = Ant Factor + Cable Loss – Amp Gain

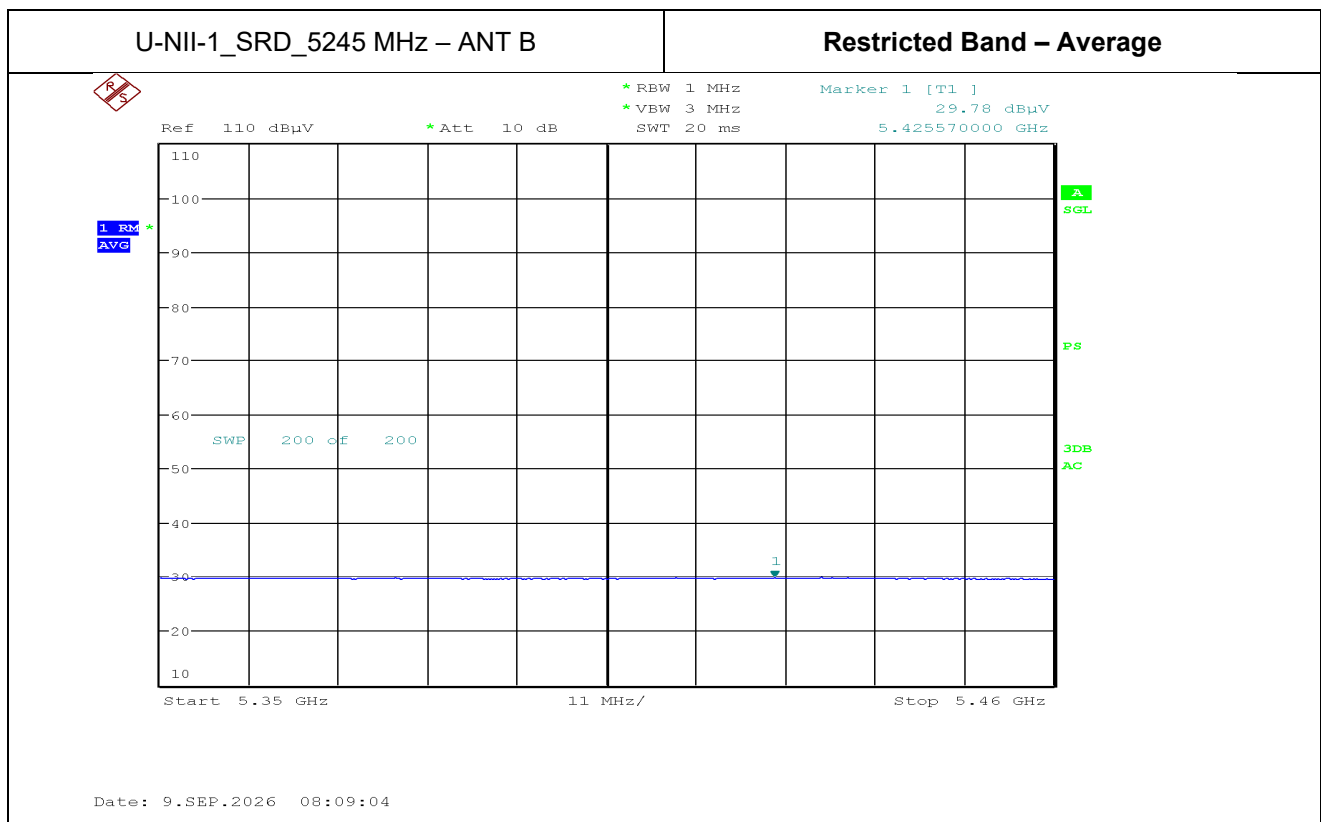
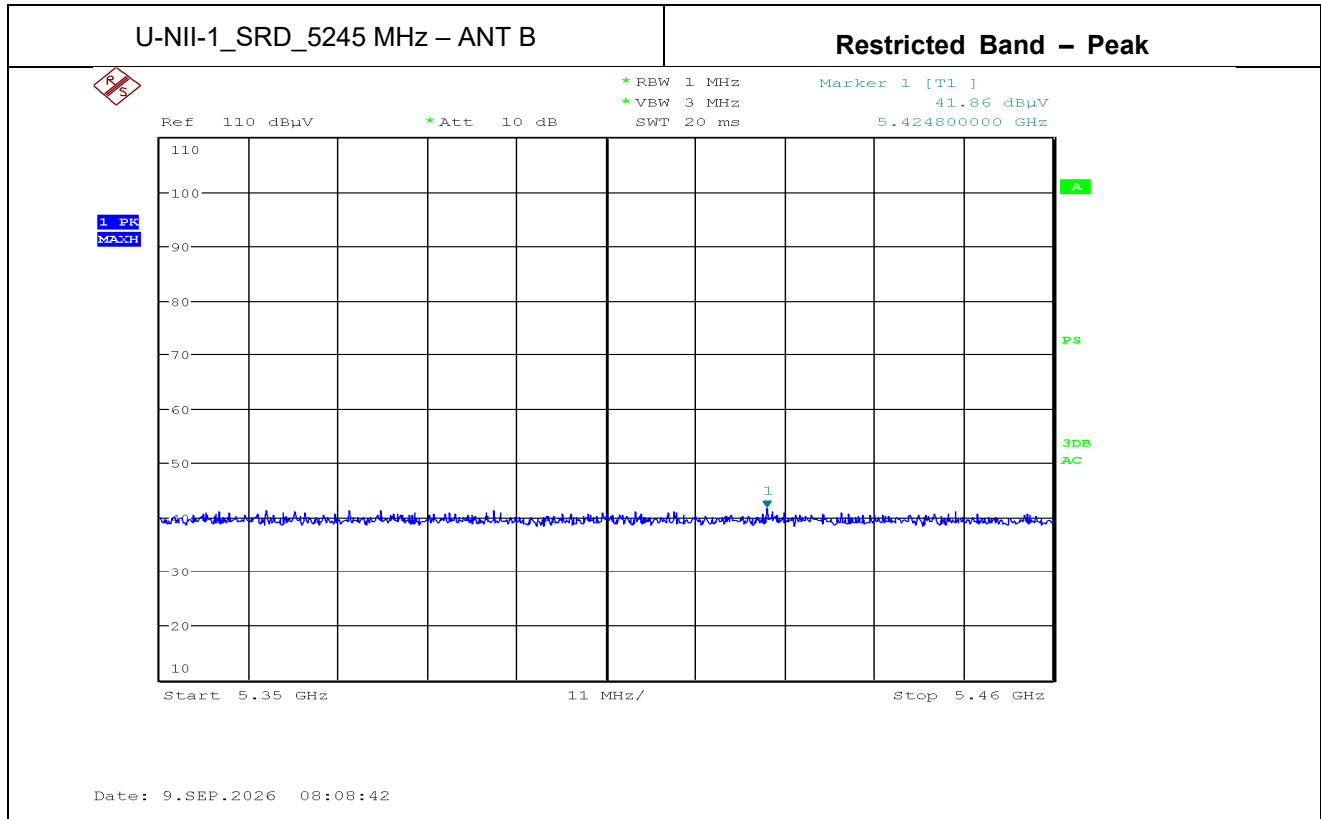
Margin(dB) = Limits (dBμV/m) – Result (dBμV/m)

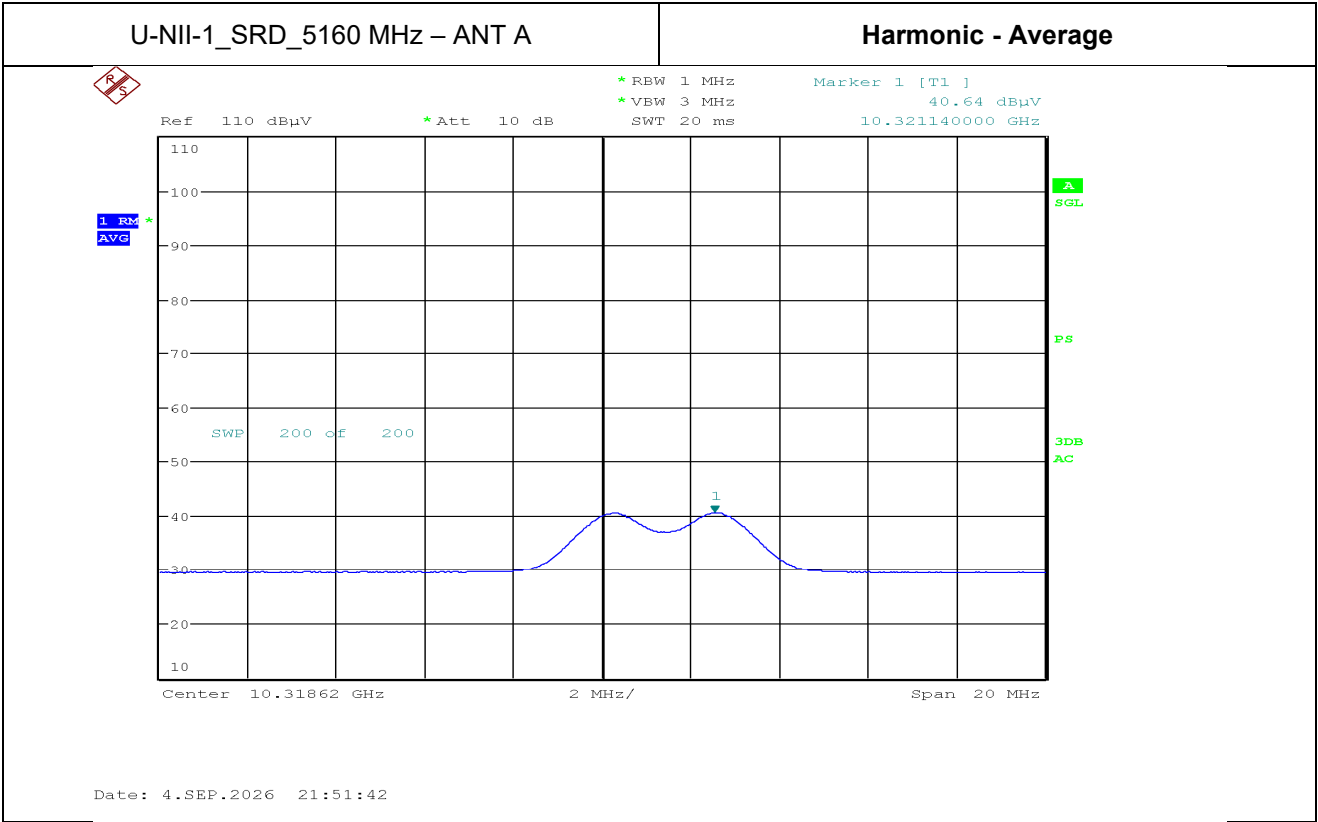
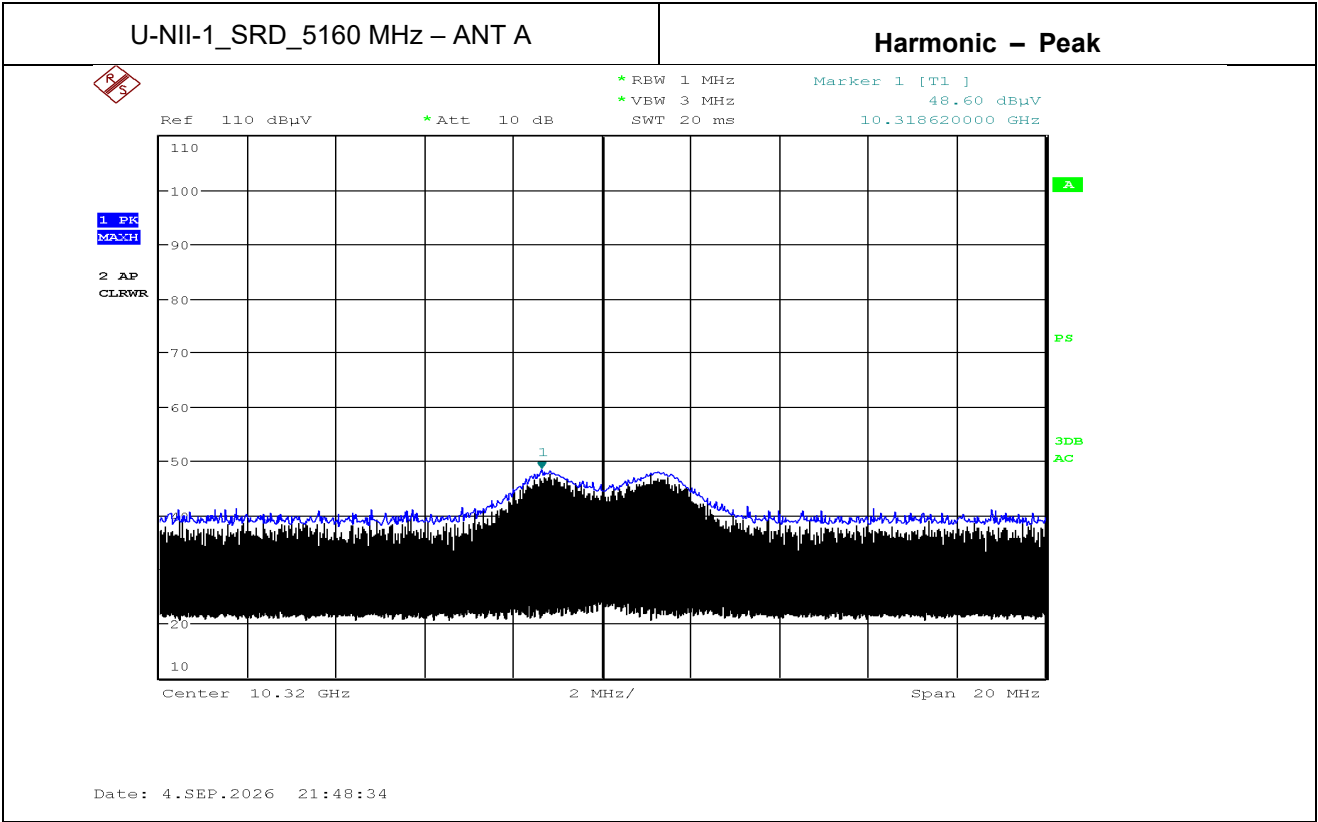


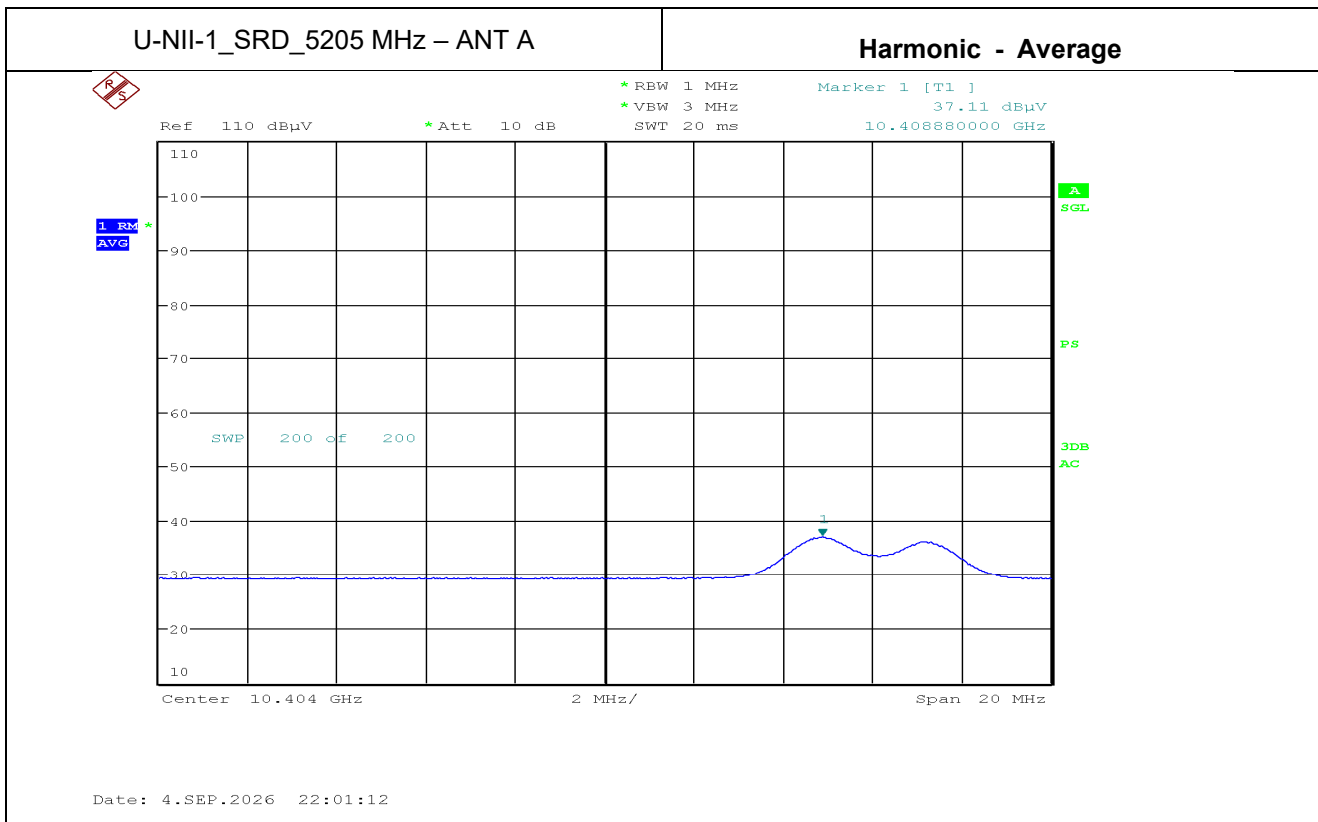
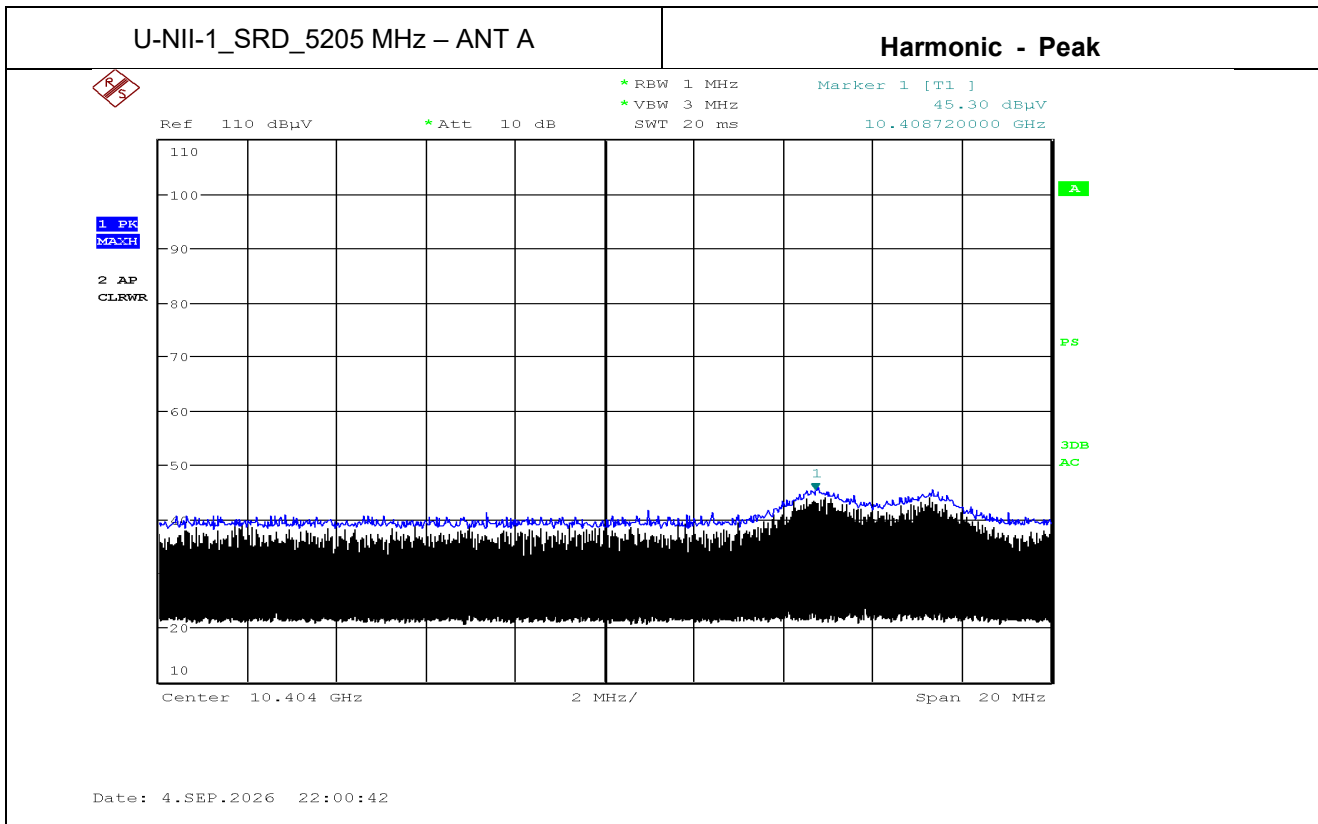


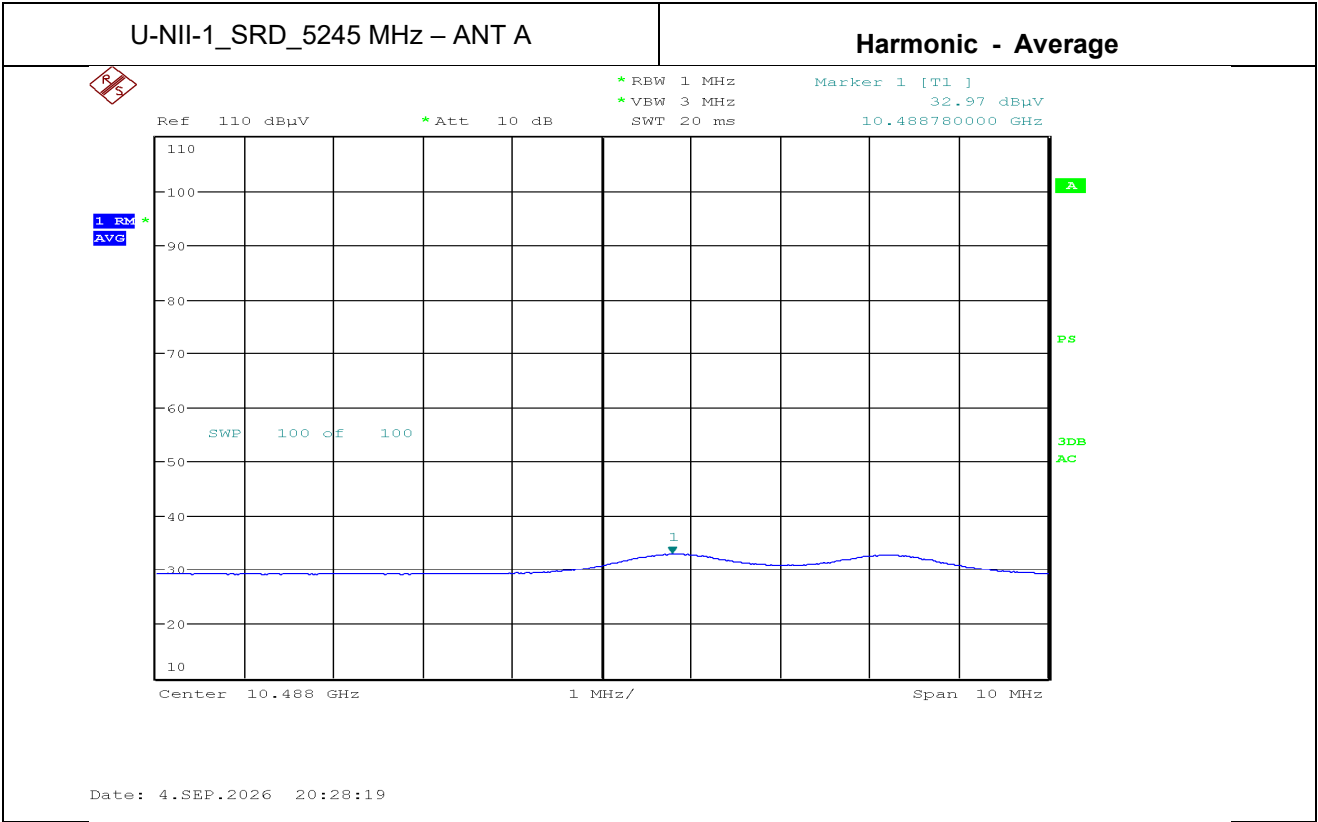
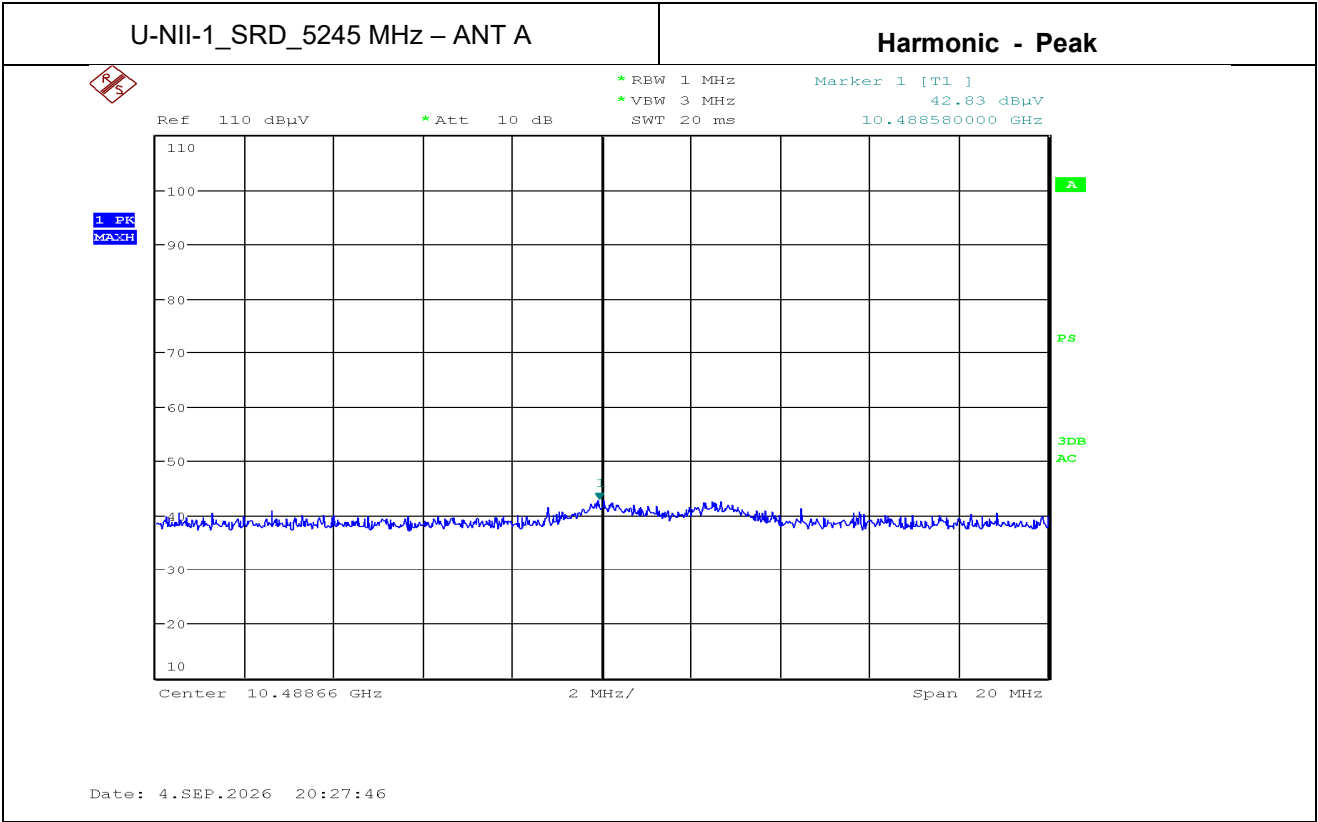


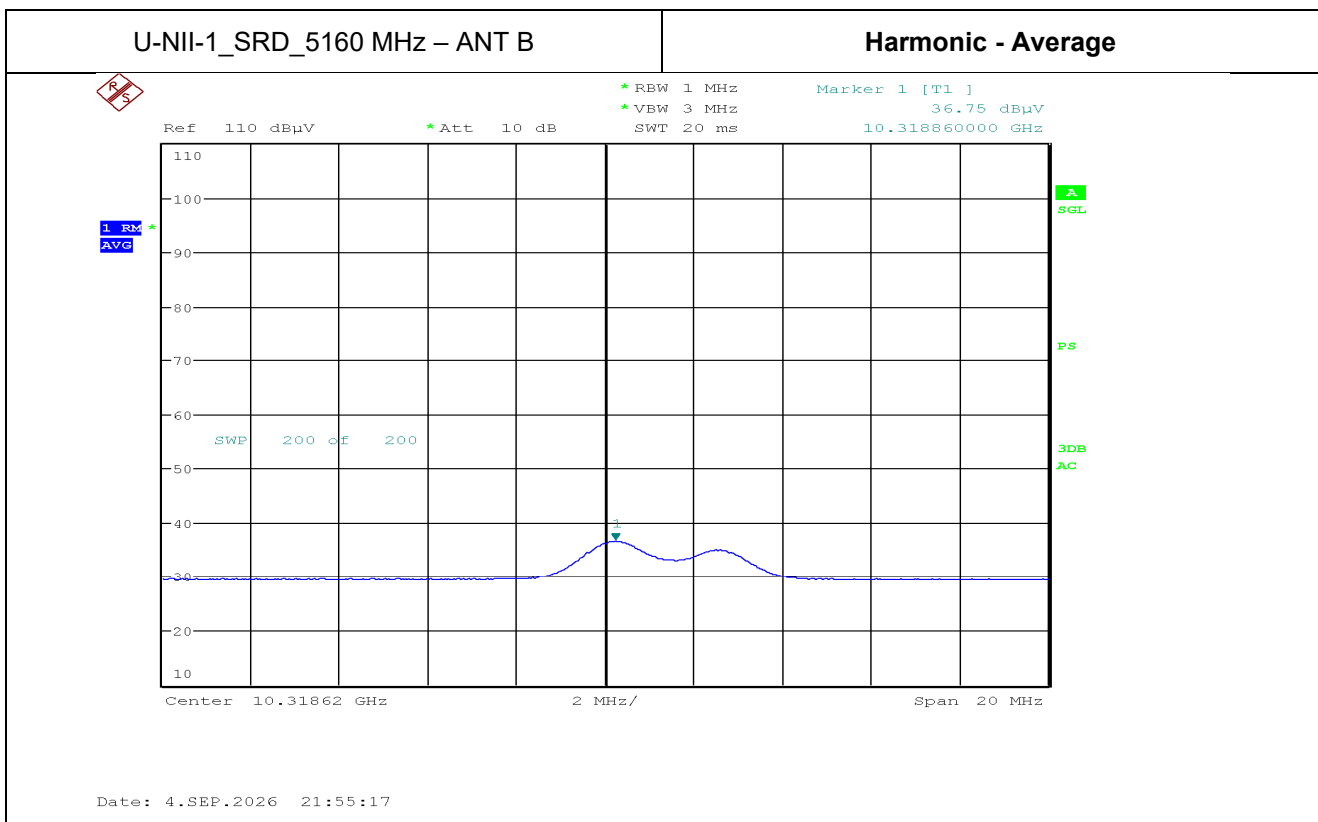
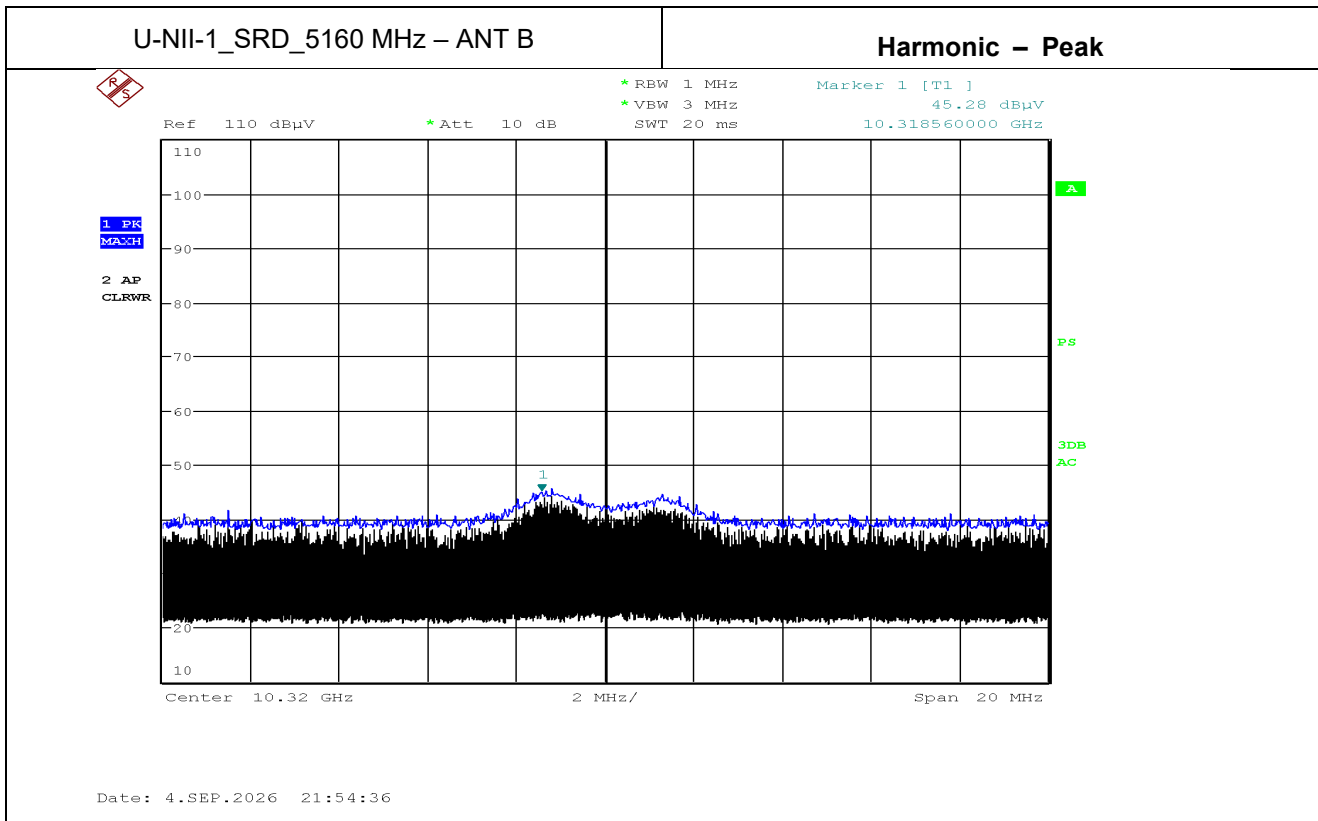


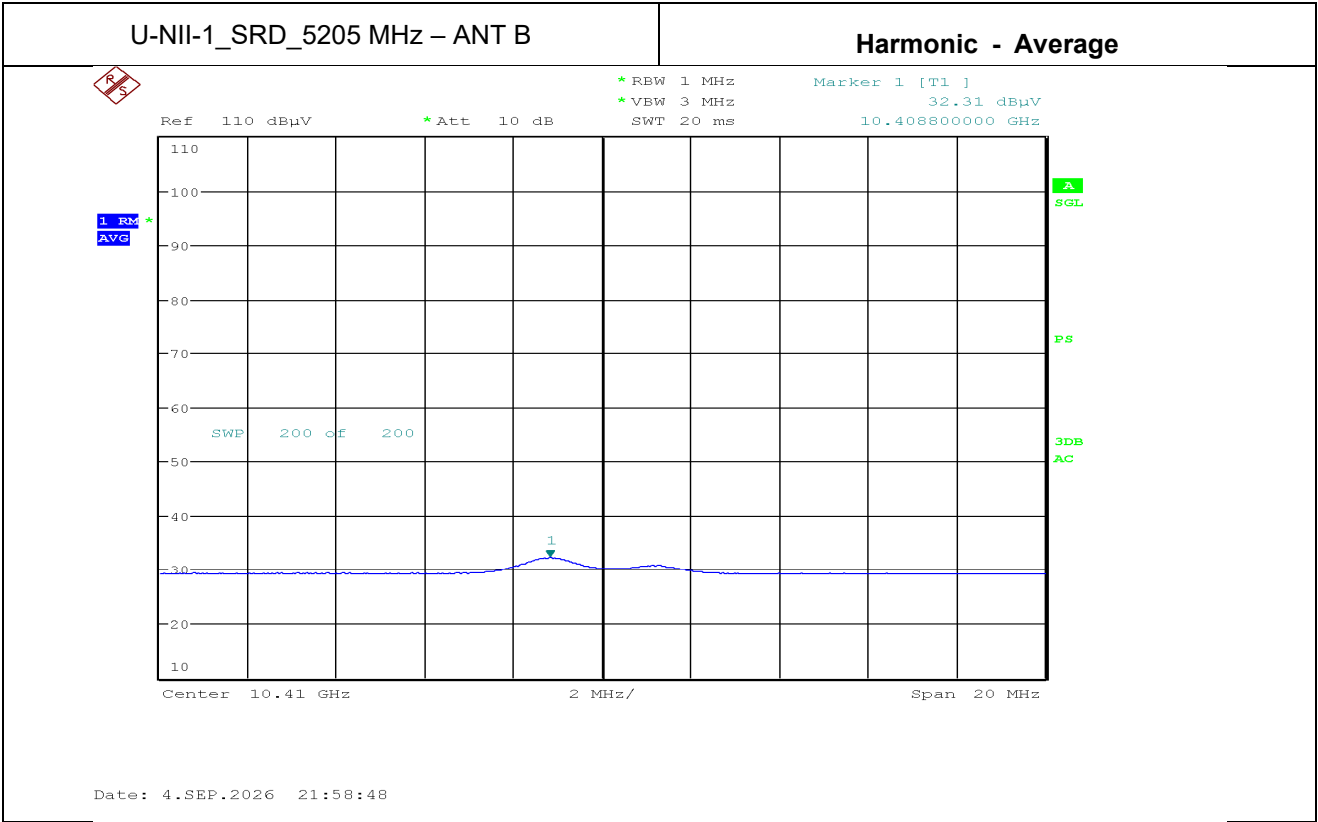
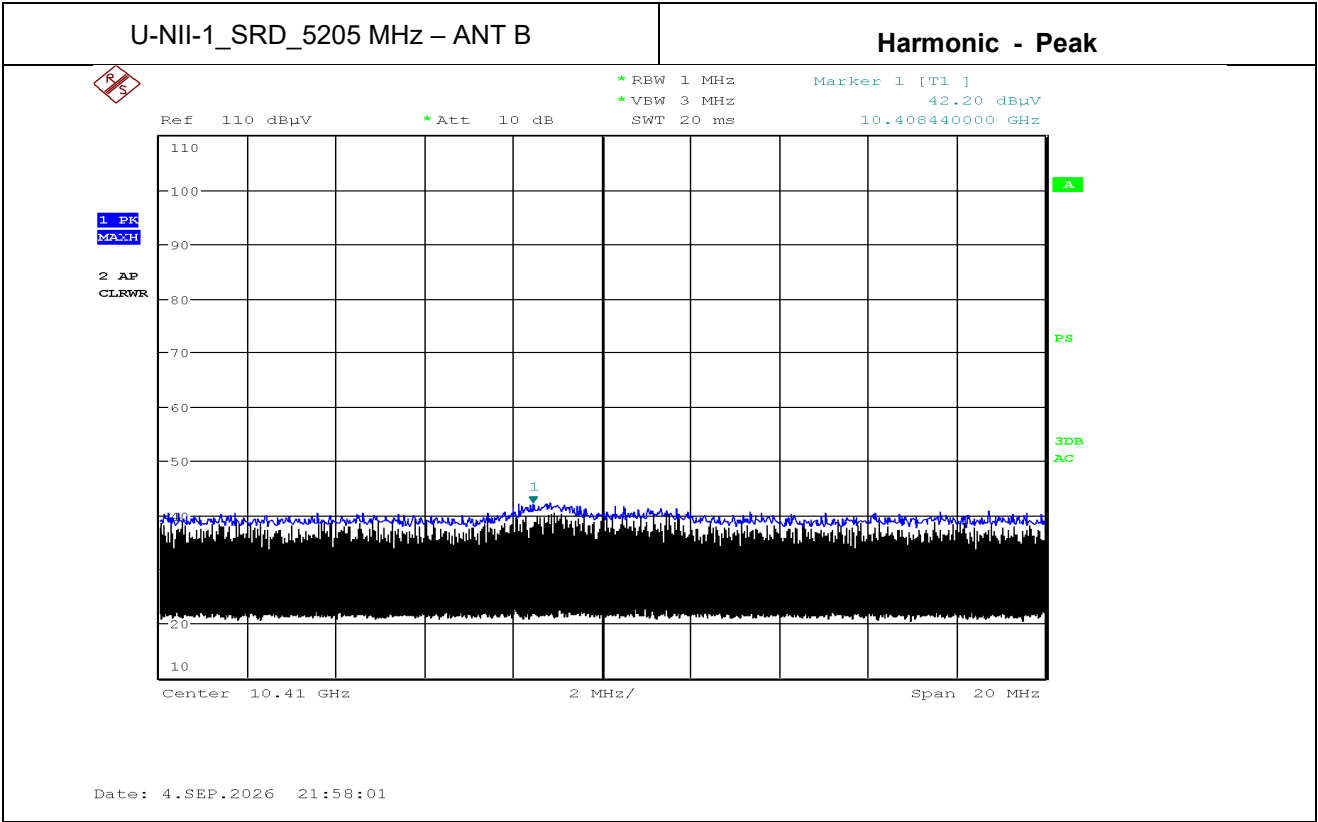


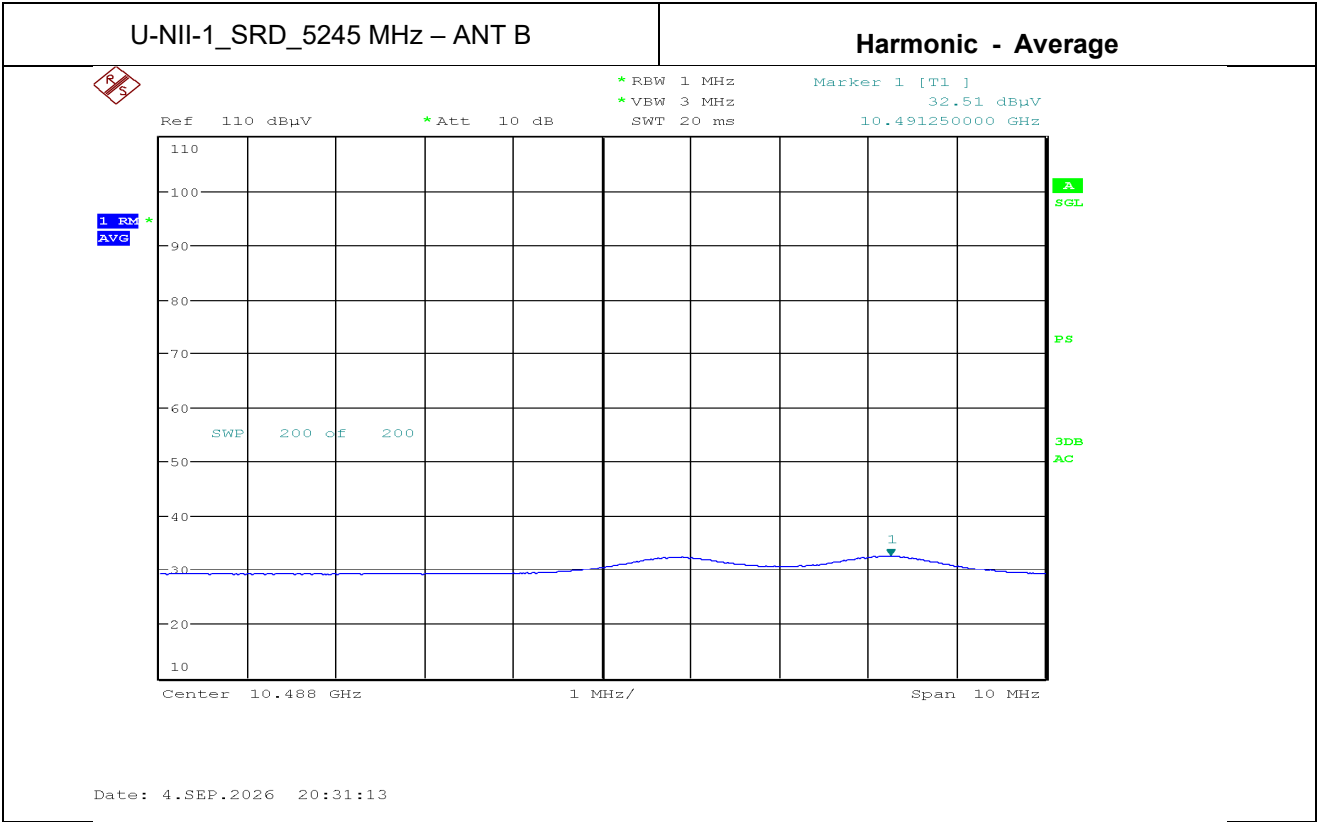
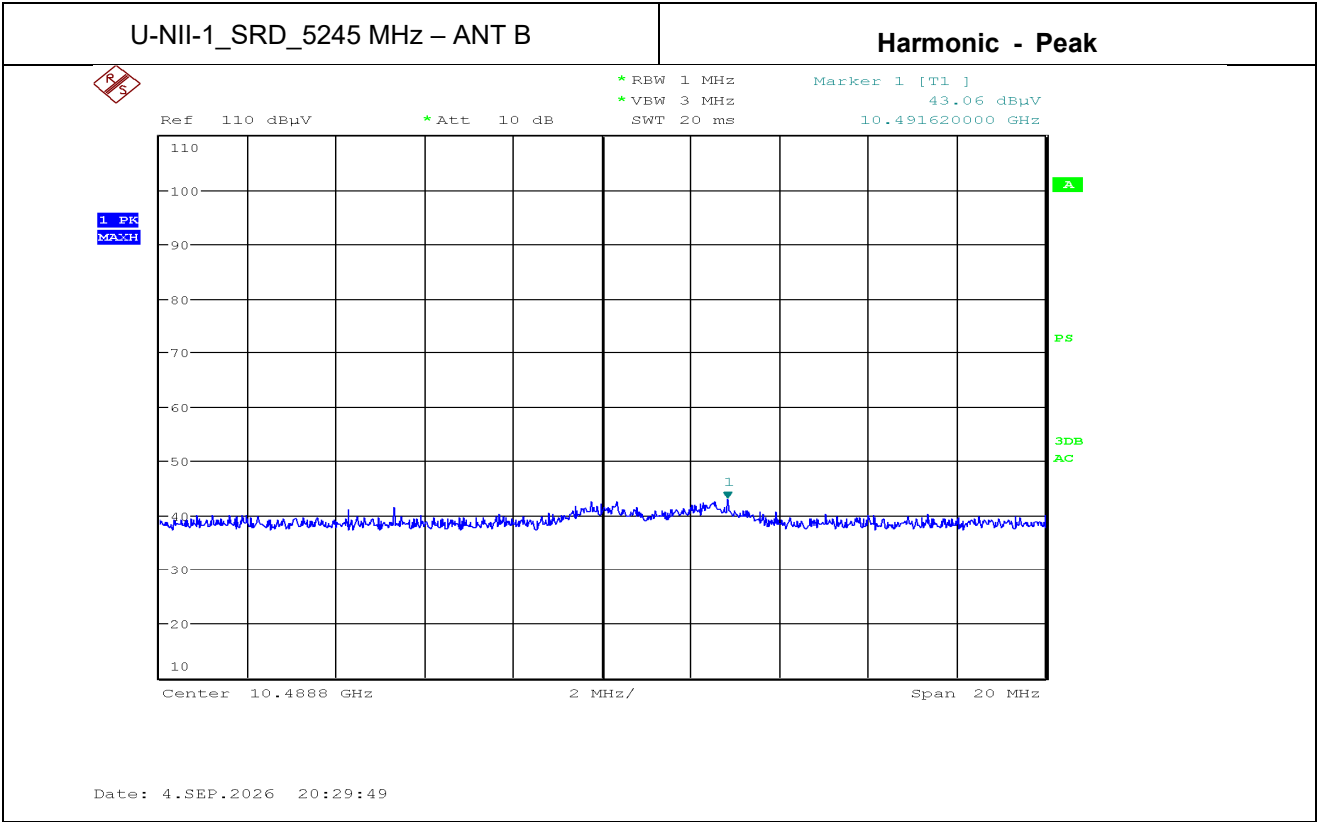








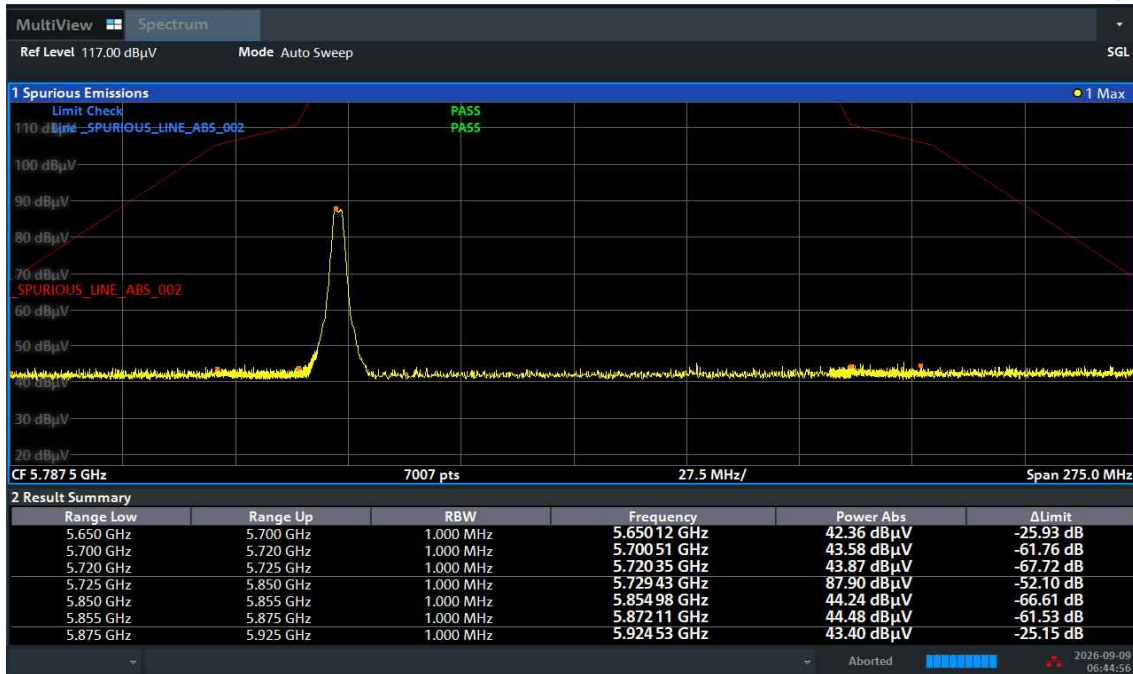






U-NII-3_SRD_5730 MHz – ANT A

Restricted Band – Peak



06:44:56 AM 09/09/2026

U-NII-3_SRD_5845 MHz – ANT A

Restricted Band – Peak

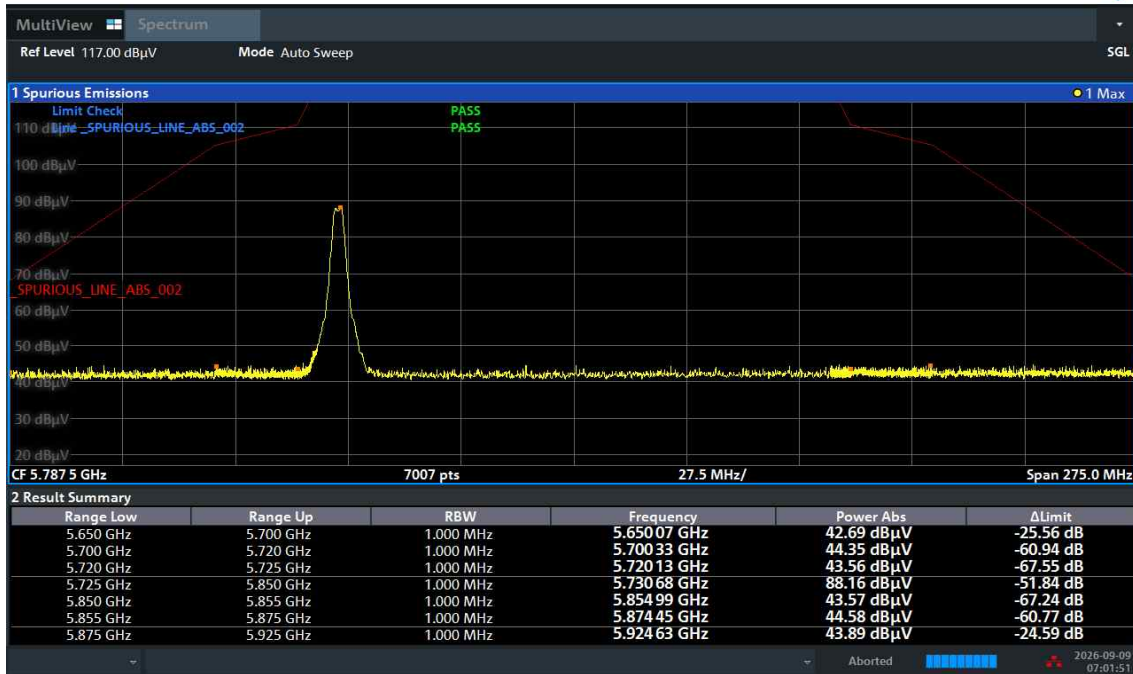


06:52:21 AM 09/09/2026



U-NII-3_SRD_5730 MHz – ANT B

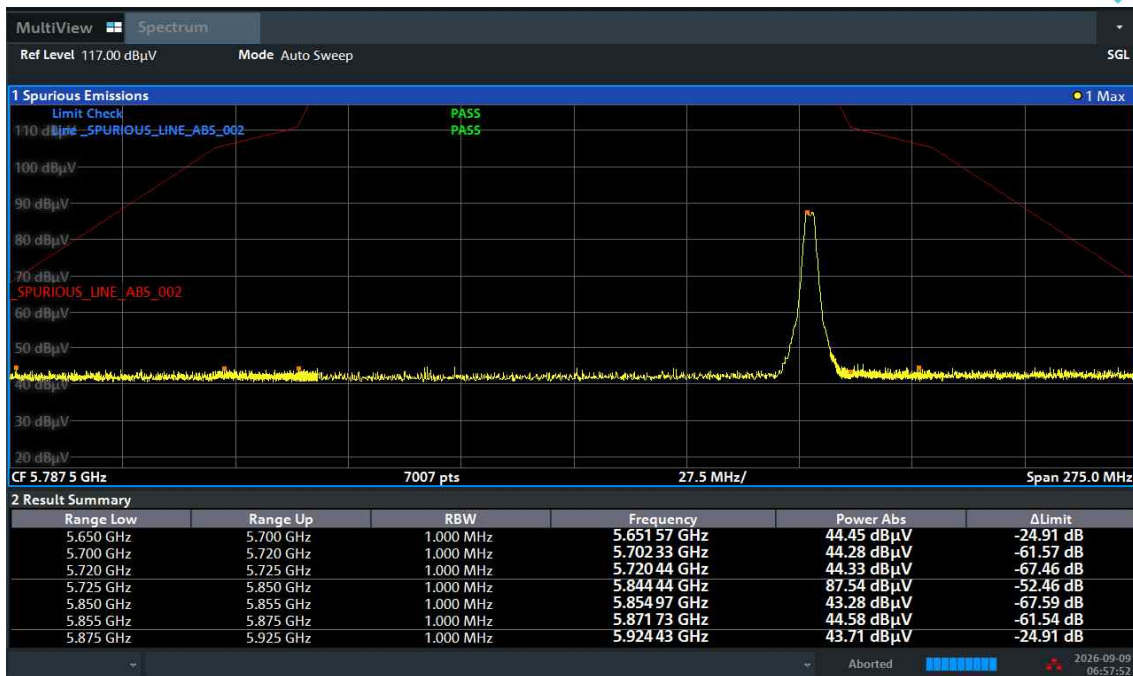
Restricted Band – Peak



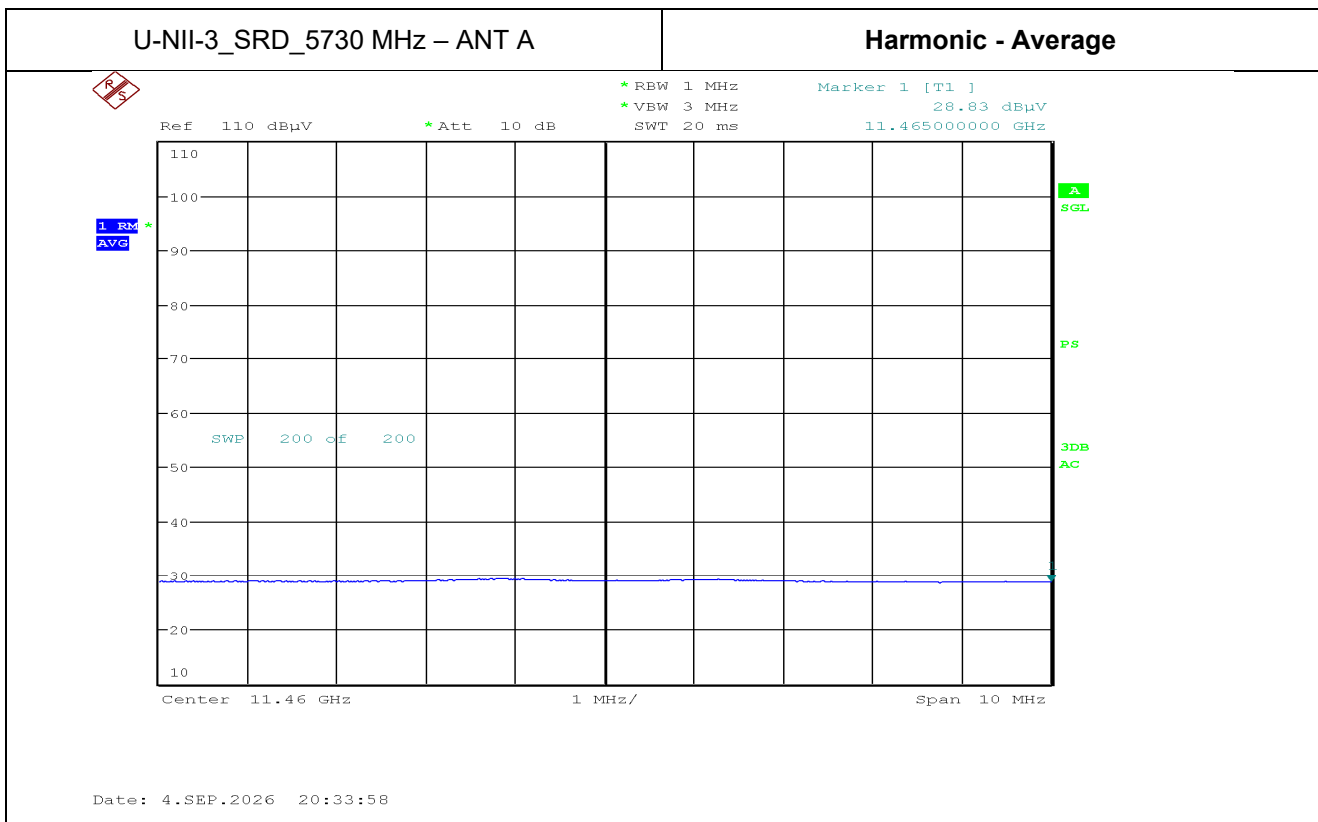
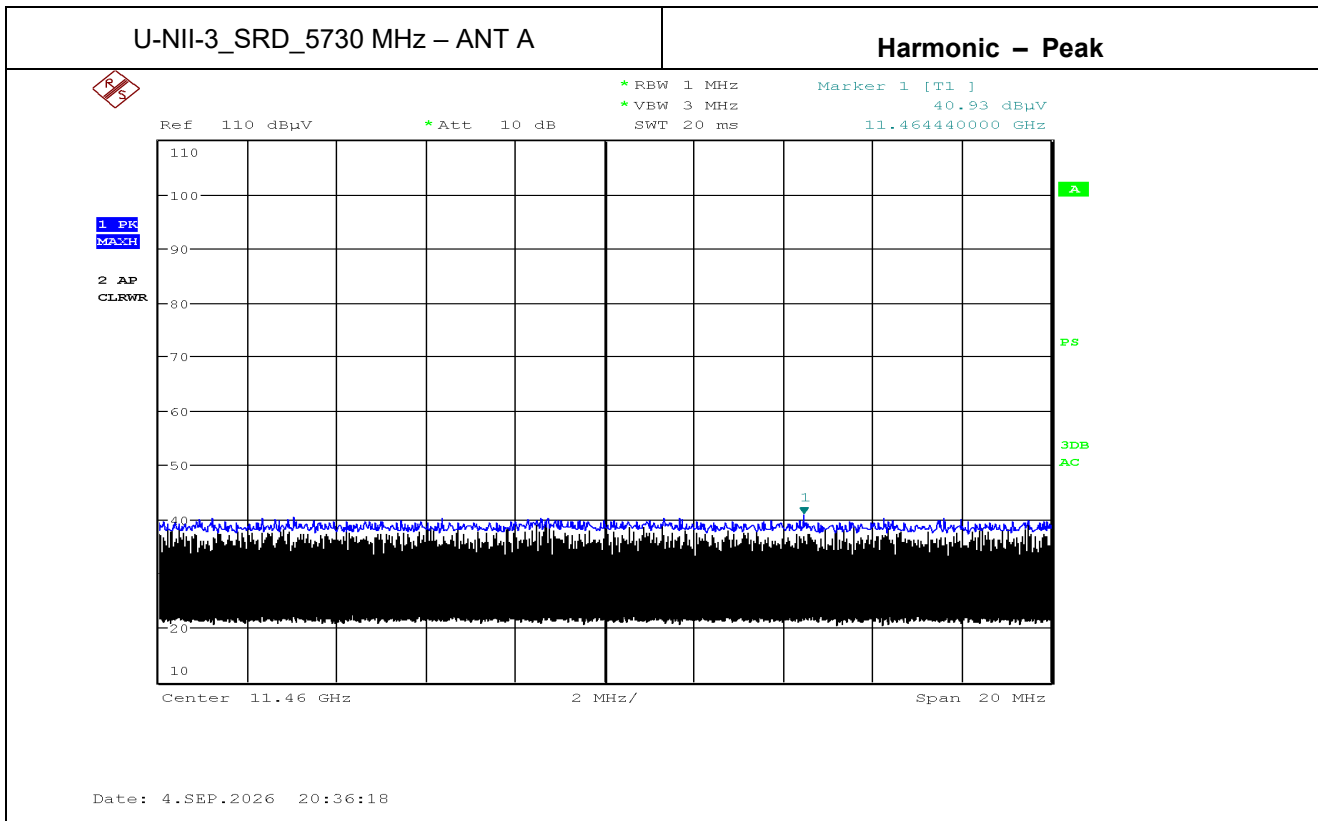
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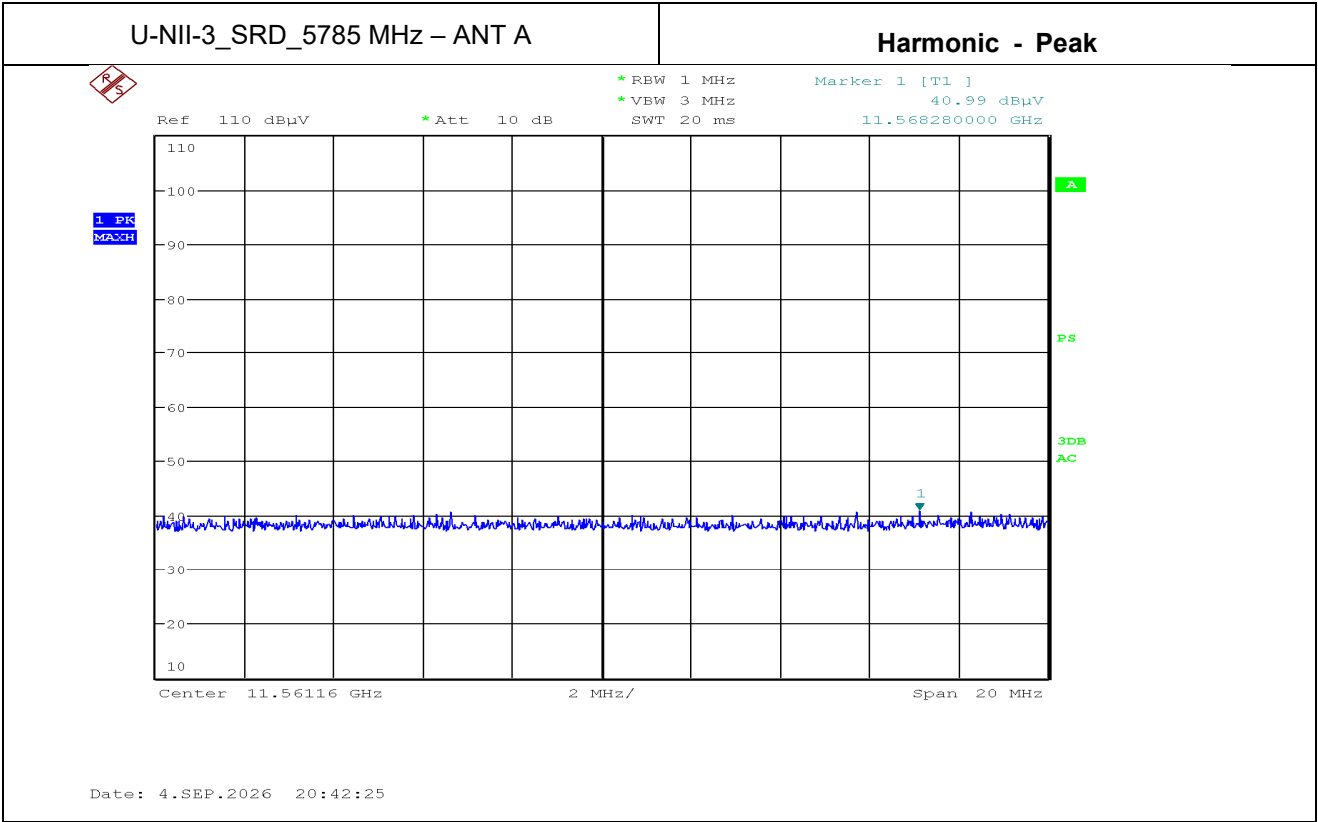
U-NII-3_SRD_5845 MHz – ANT B

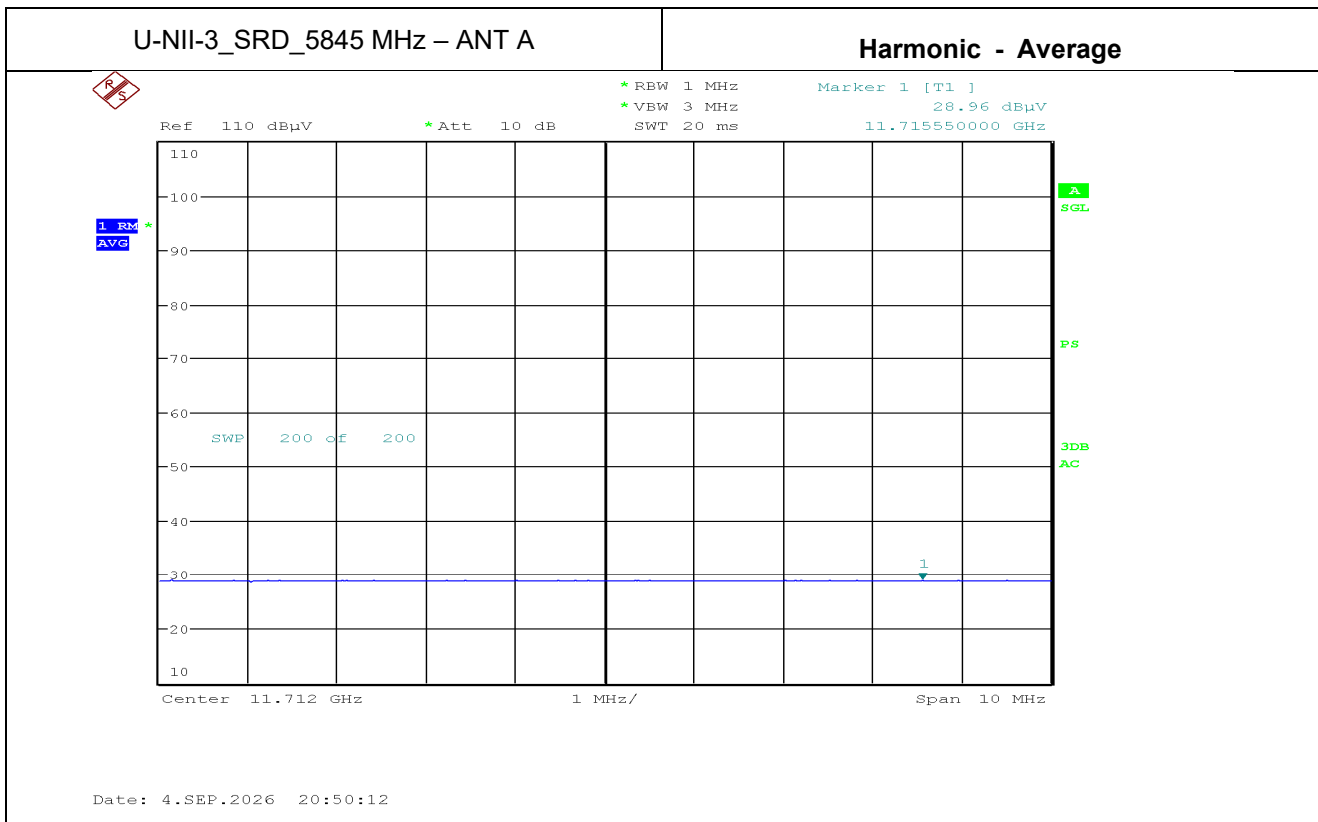
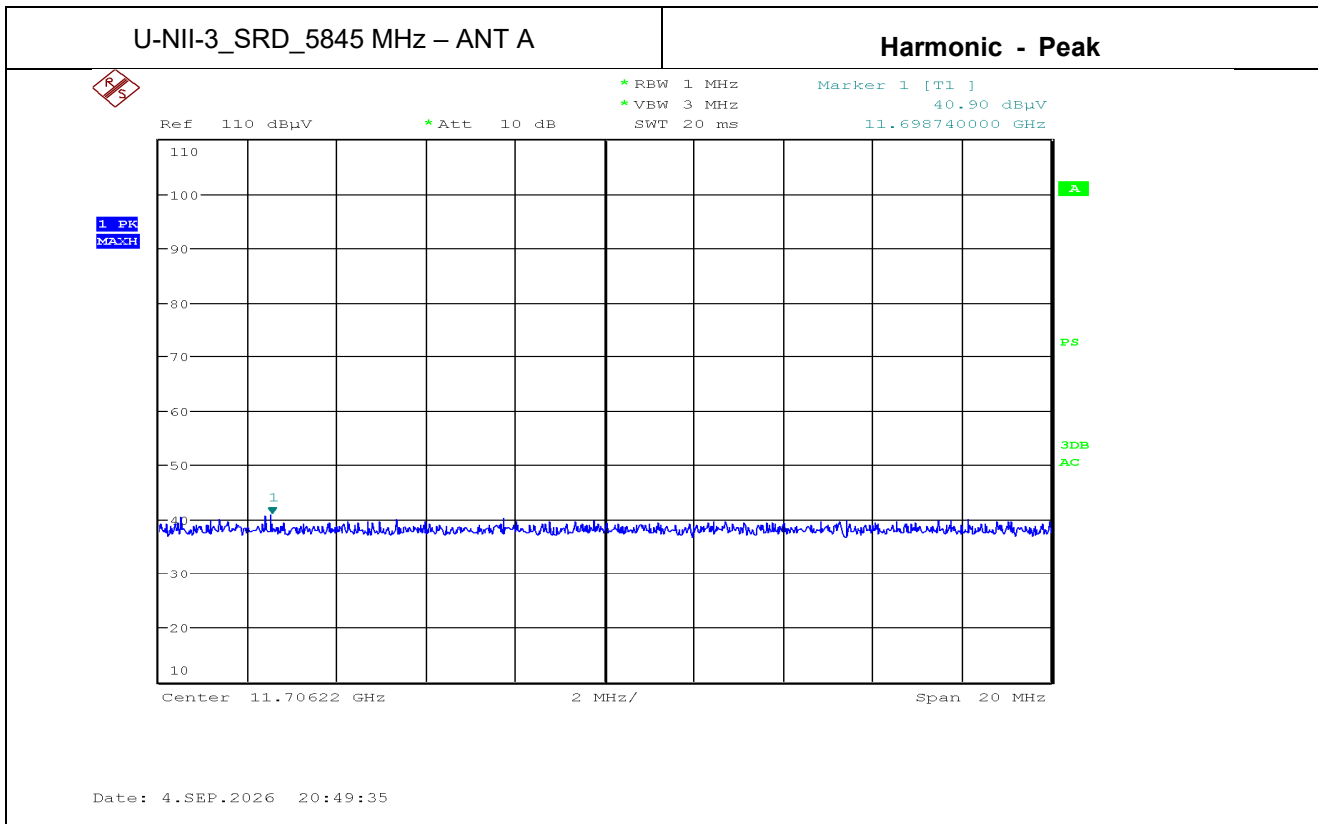
Restricted Band – Peak

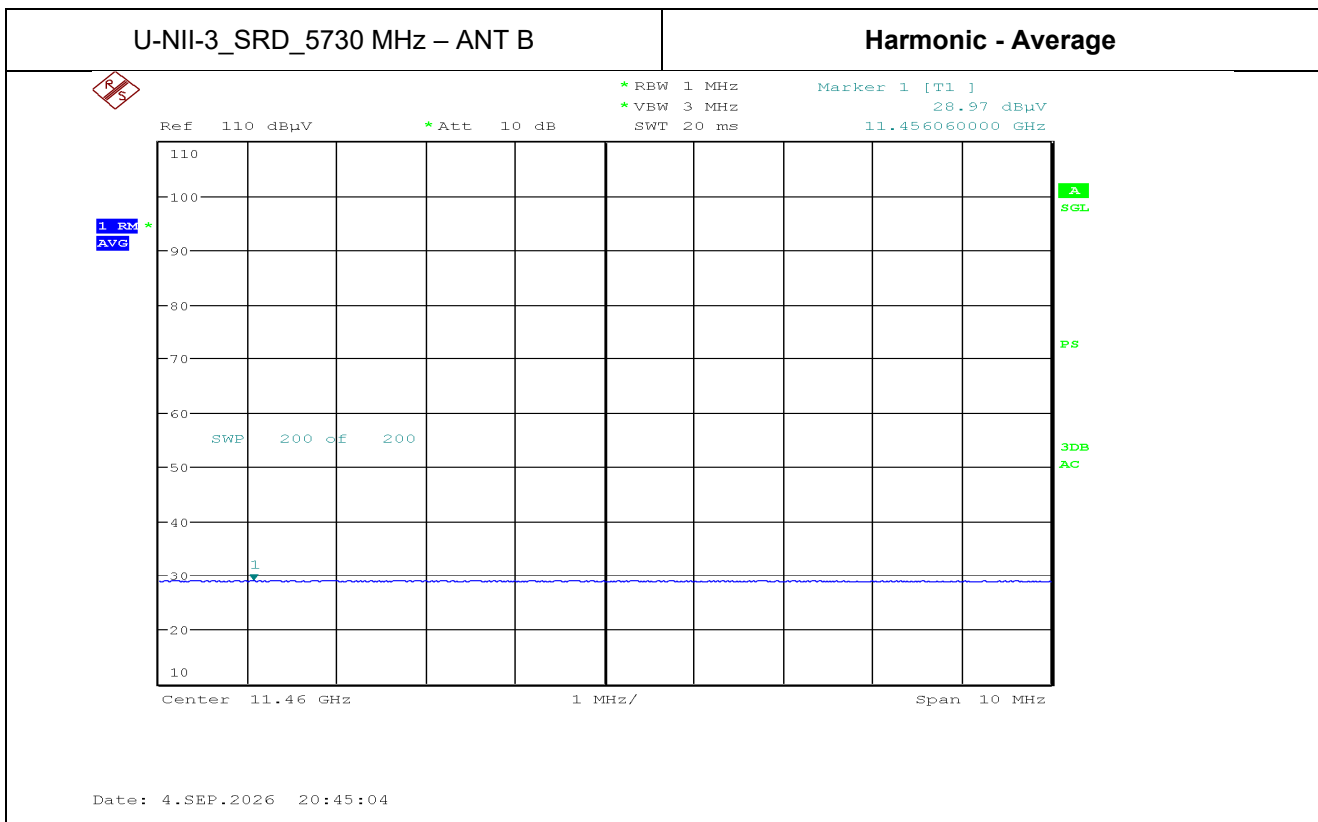
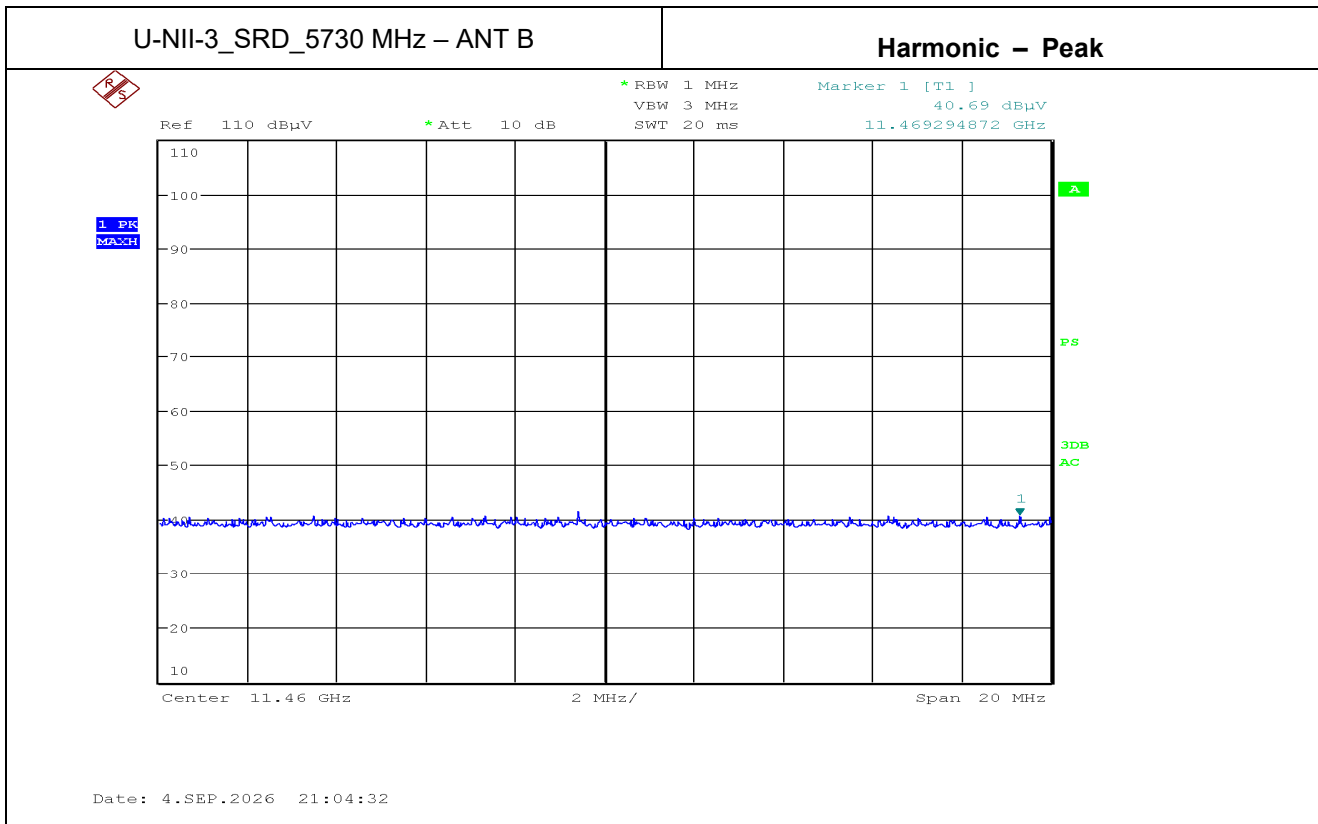


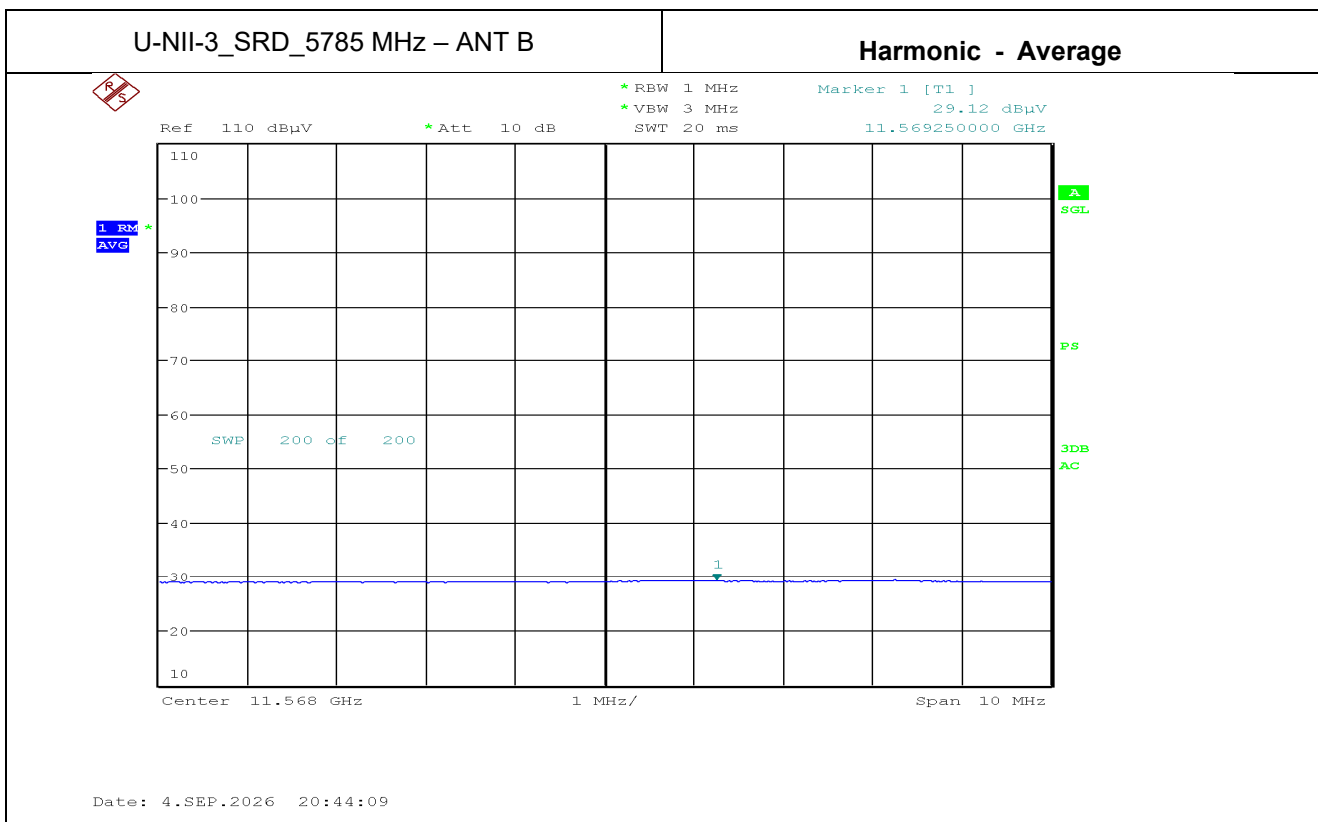
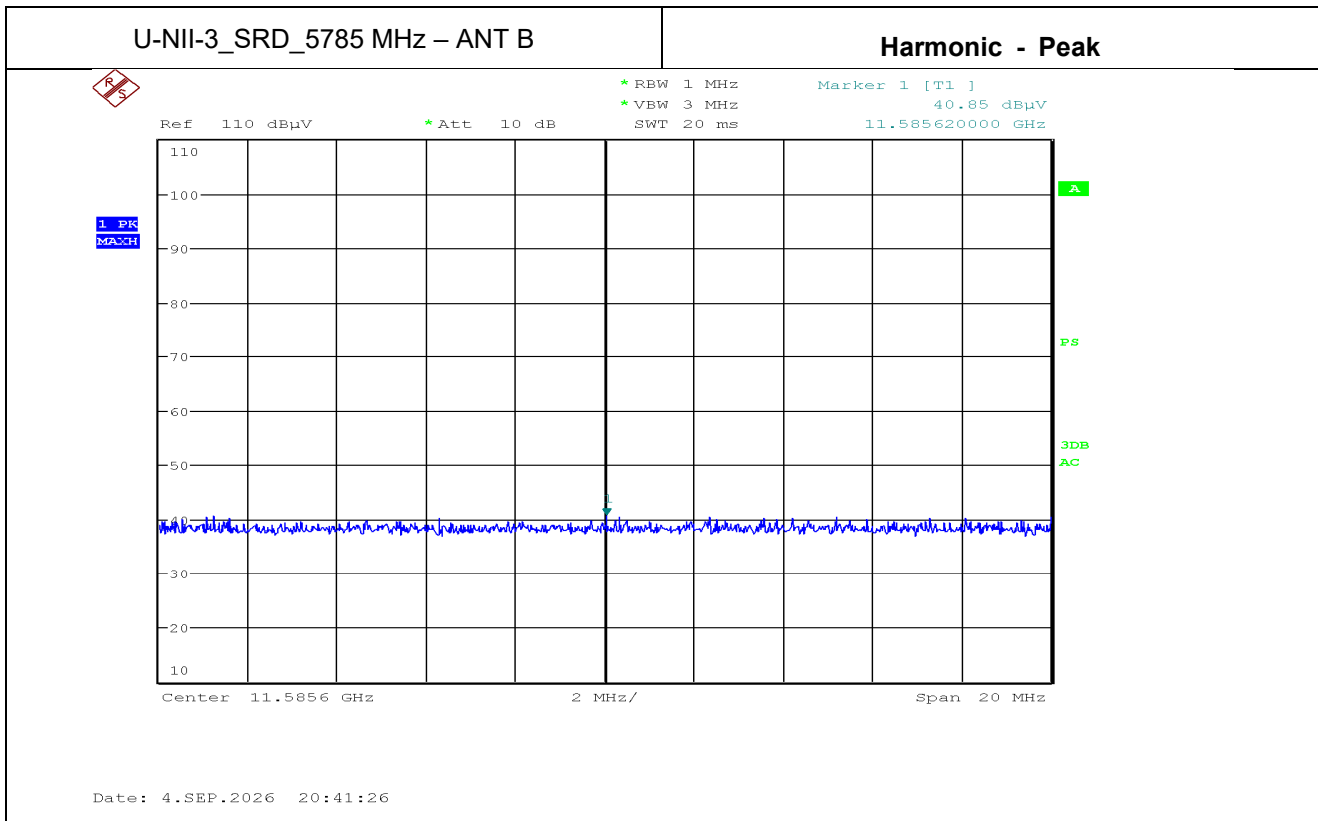
06:57:53 AM 09/09/2026

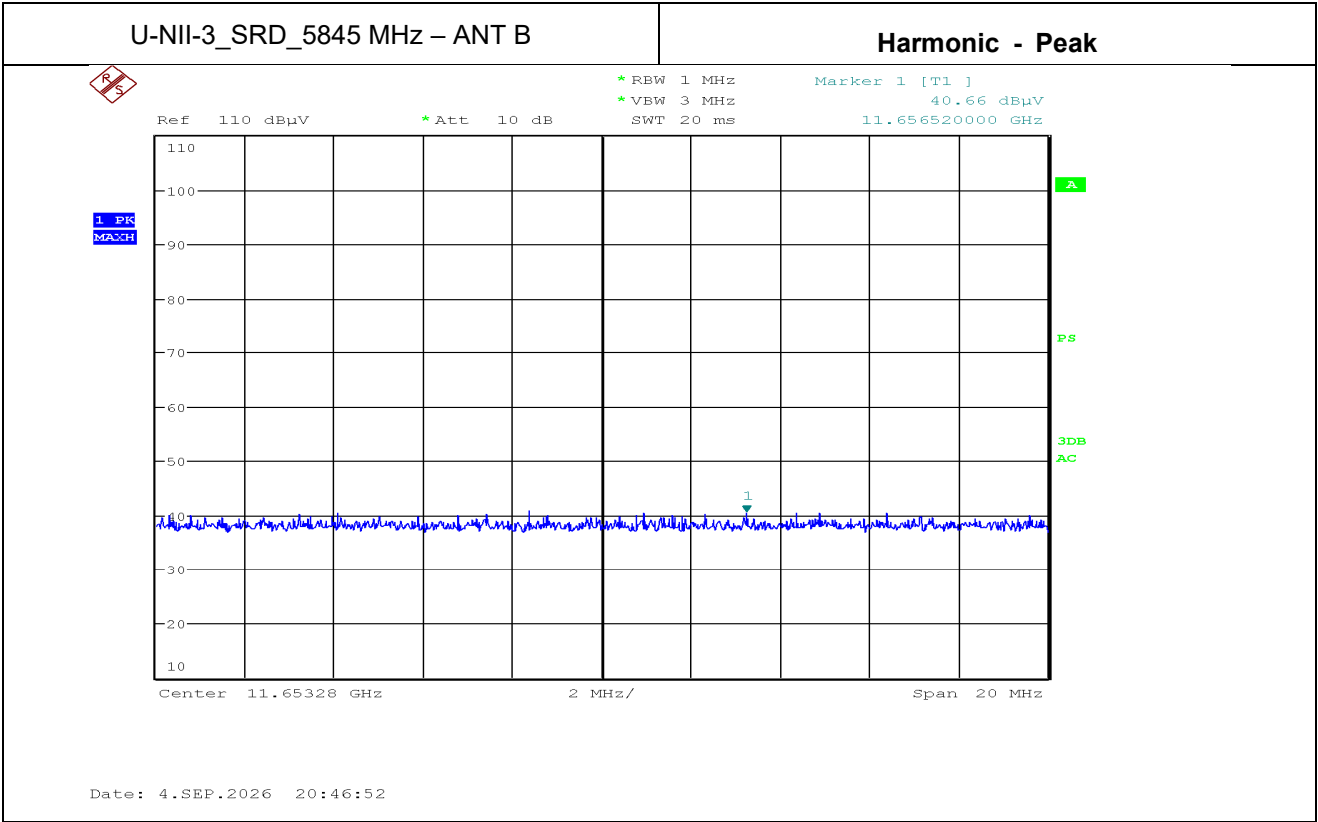


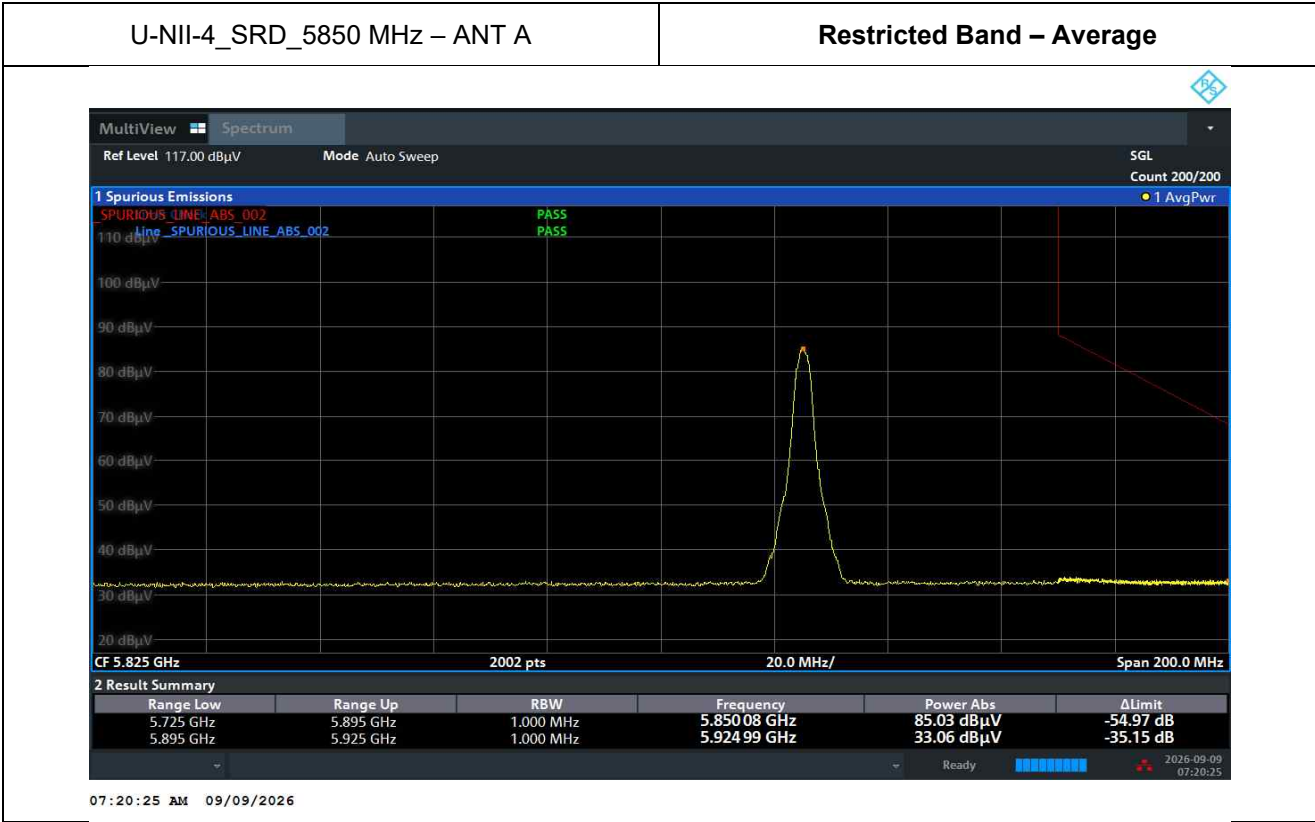
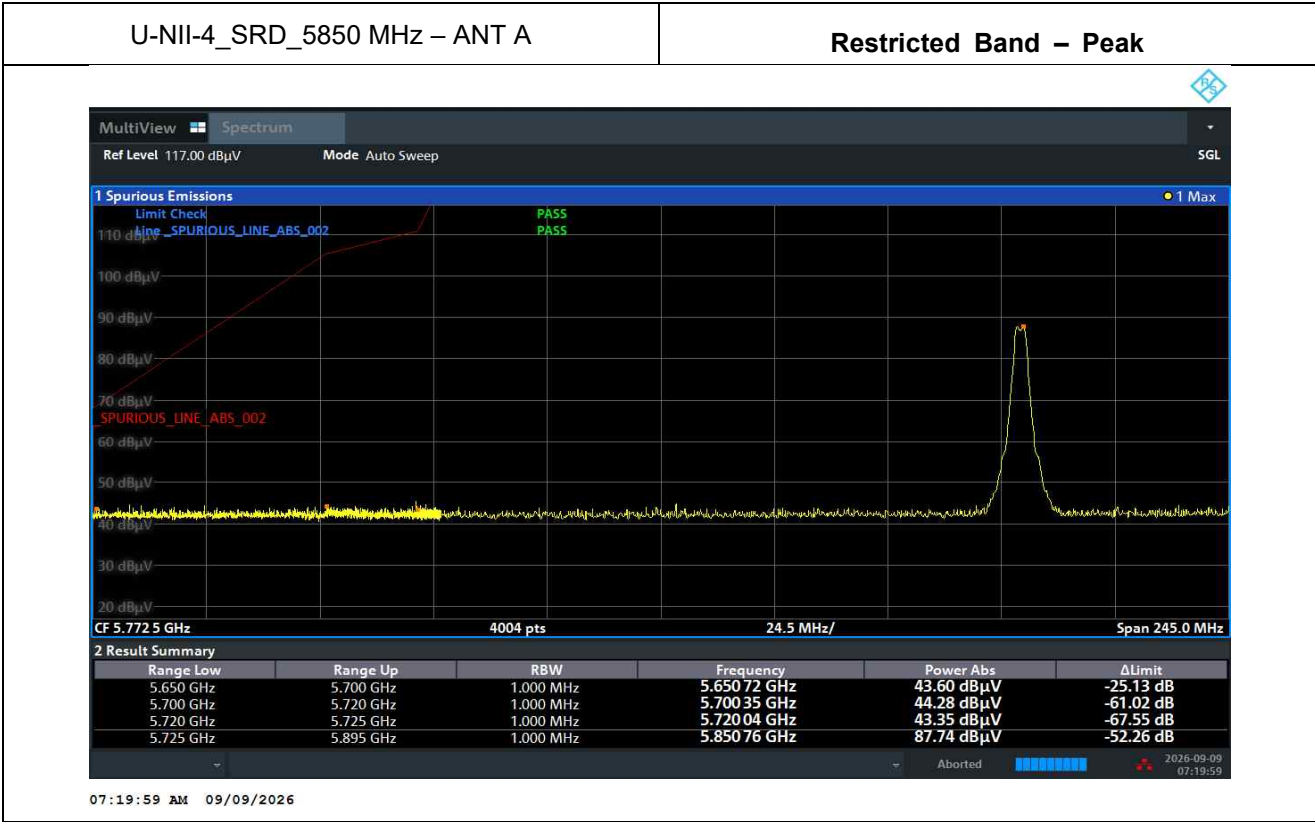








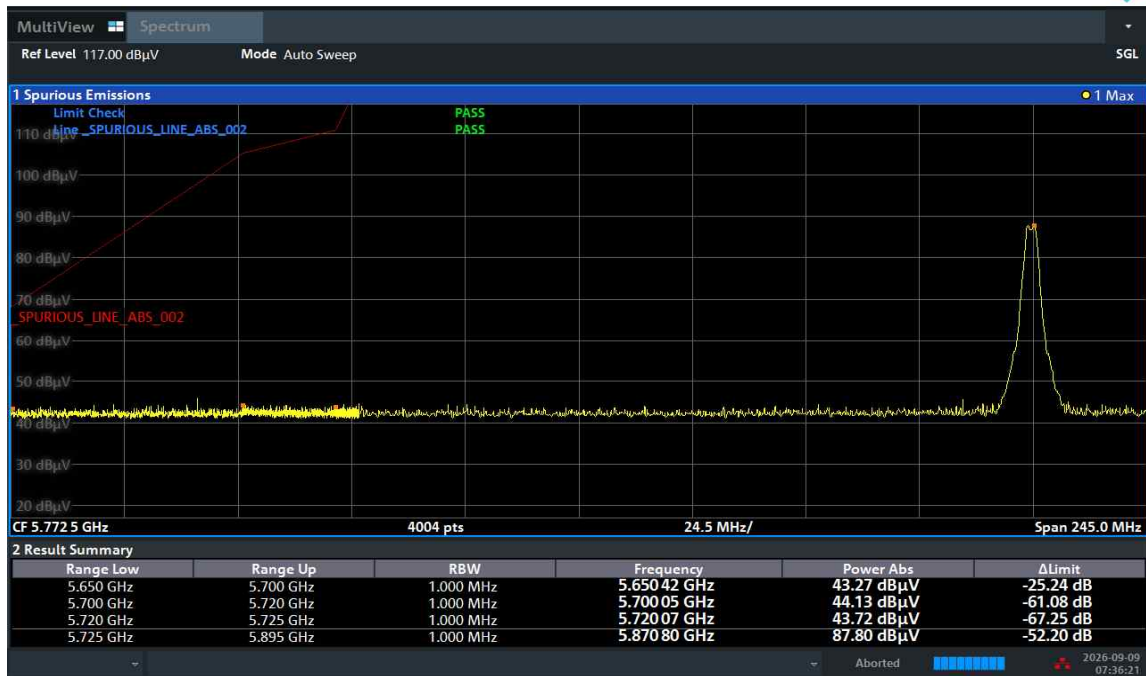






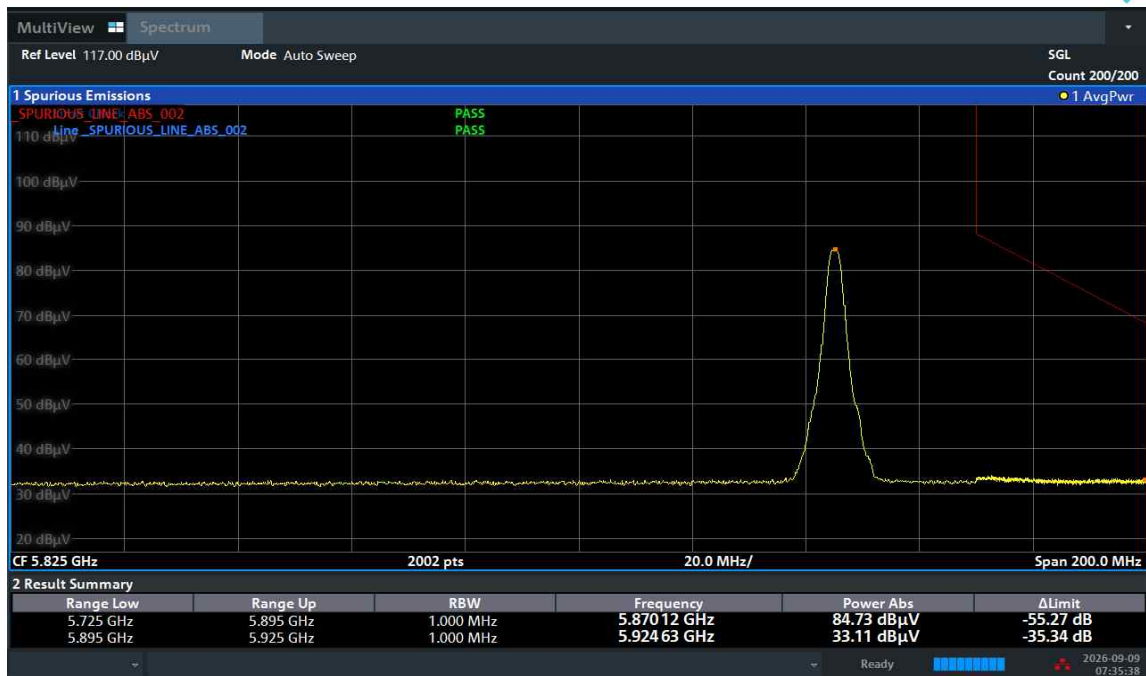
U-NII-4_SRD_5870 MHz – ANT A

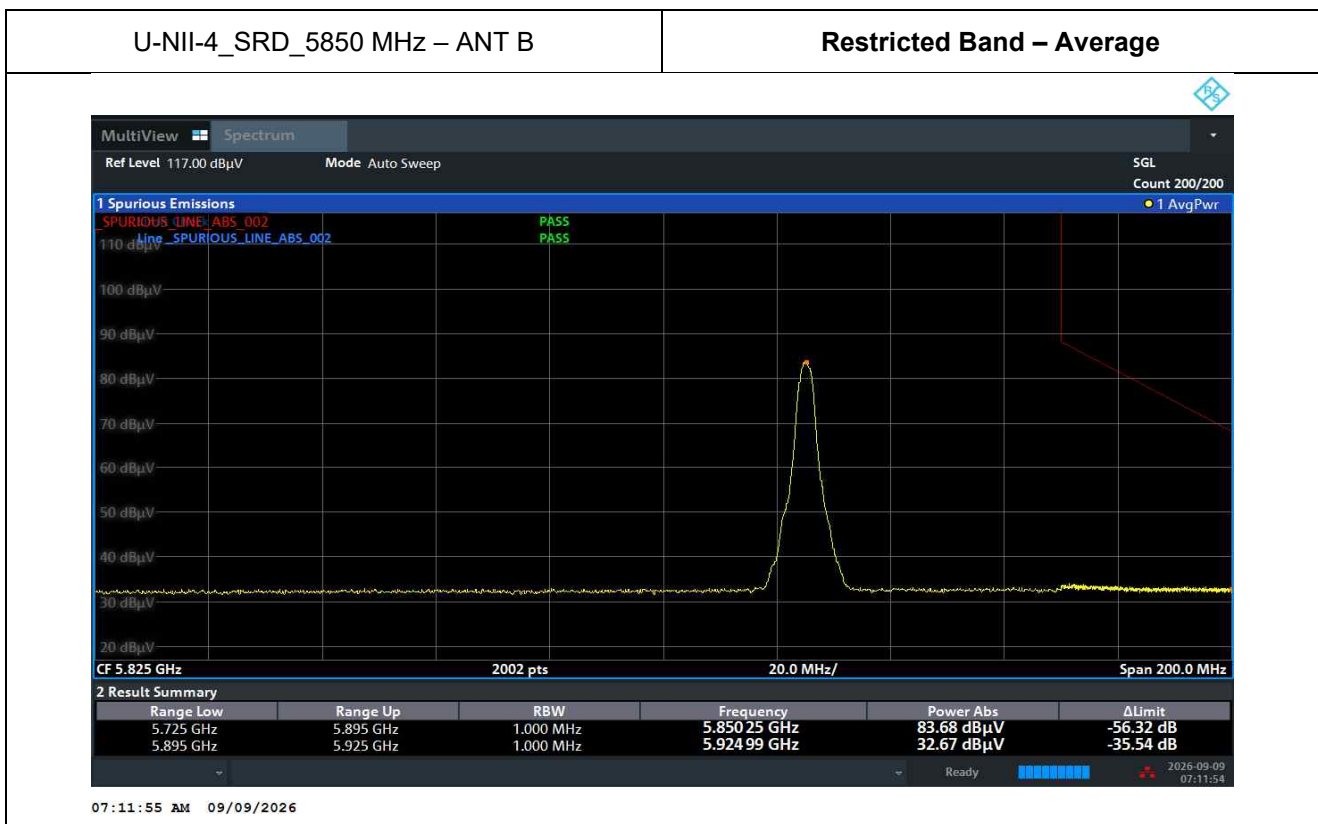
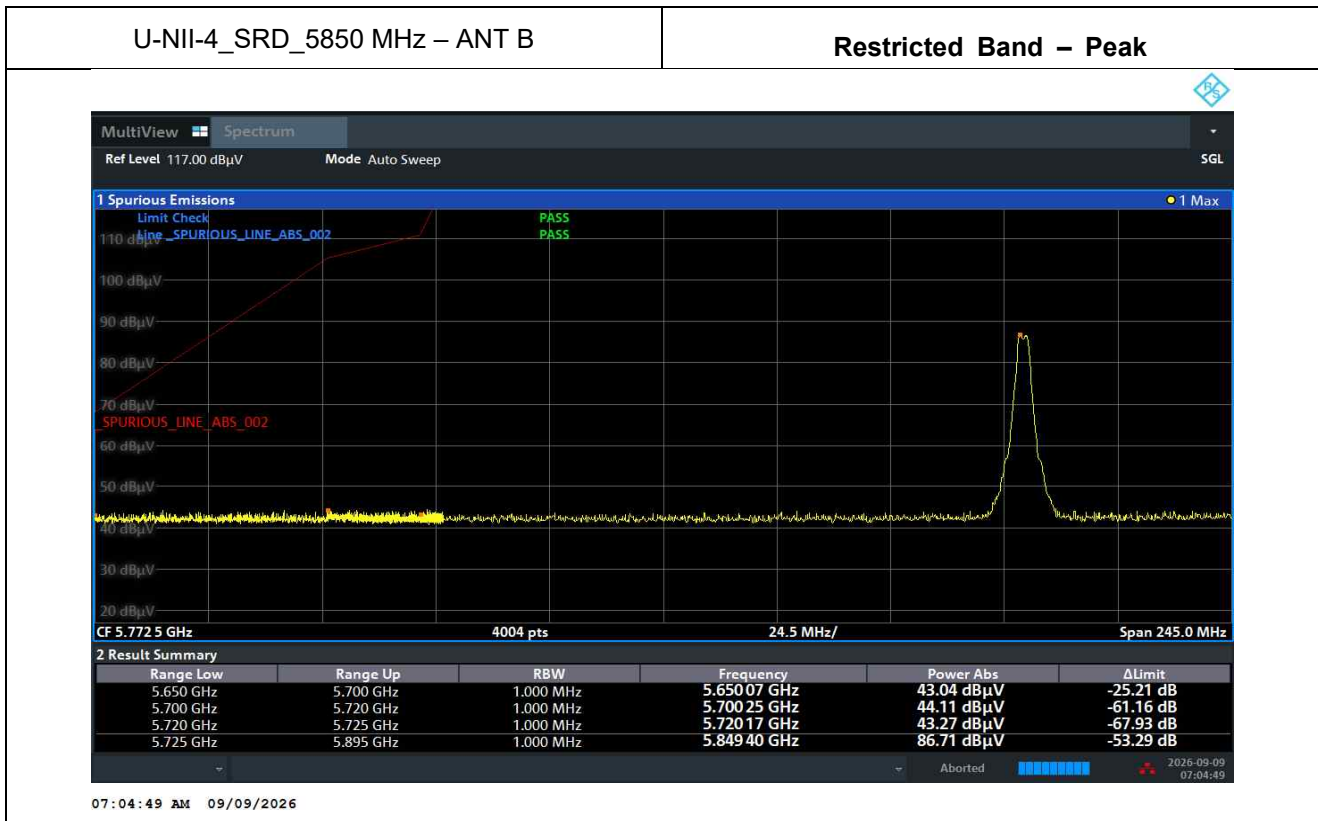
Restricted Band – Peak



U-NII-4_SRD_5870 MHz – ANT A

Restricted Band – Average

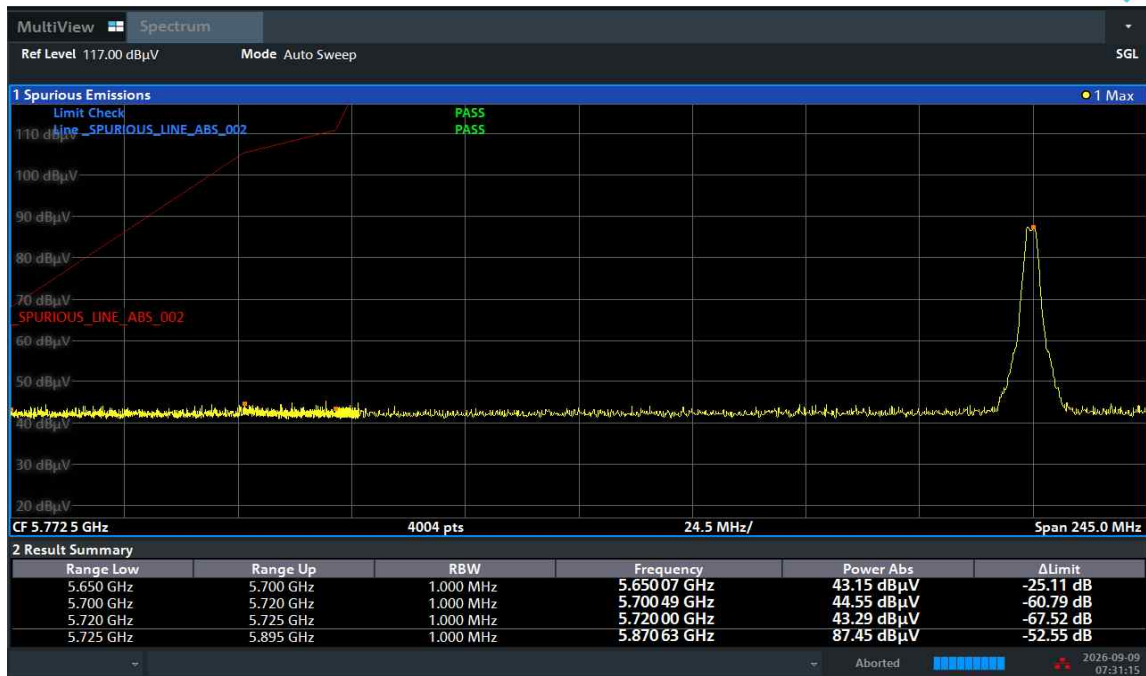






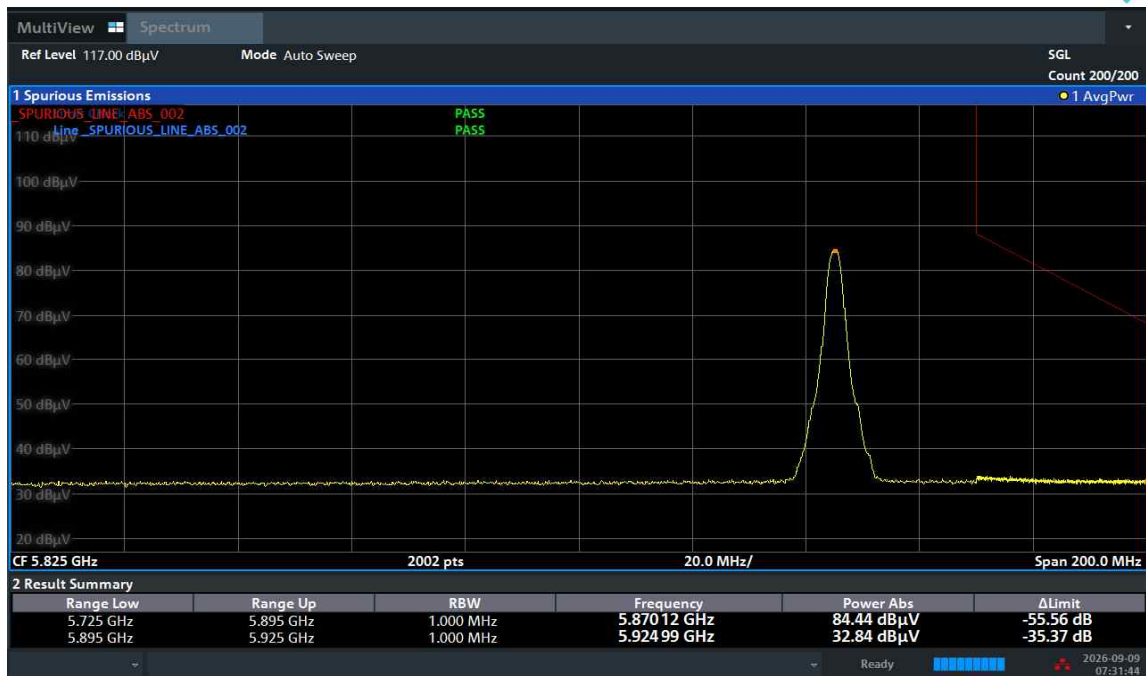
U-NII-4_SRD_5870 MHz – ANT B

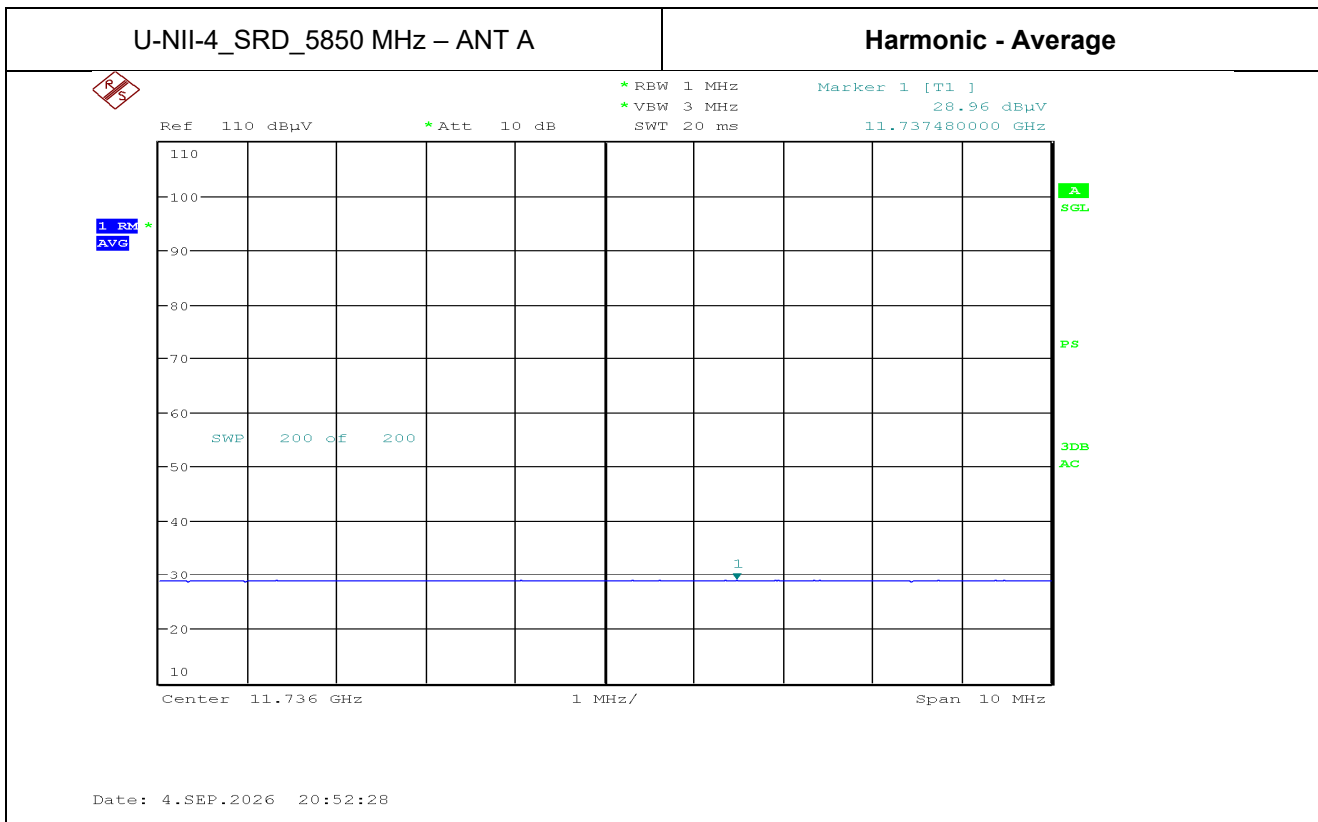
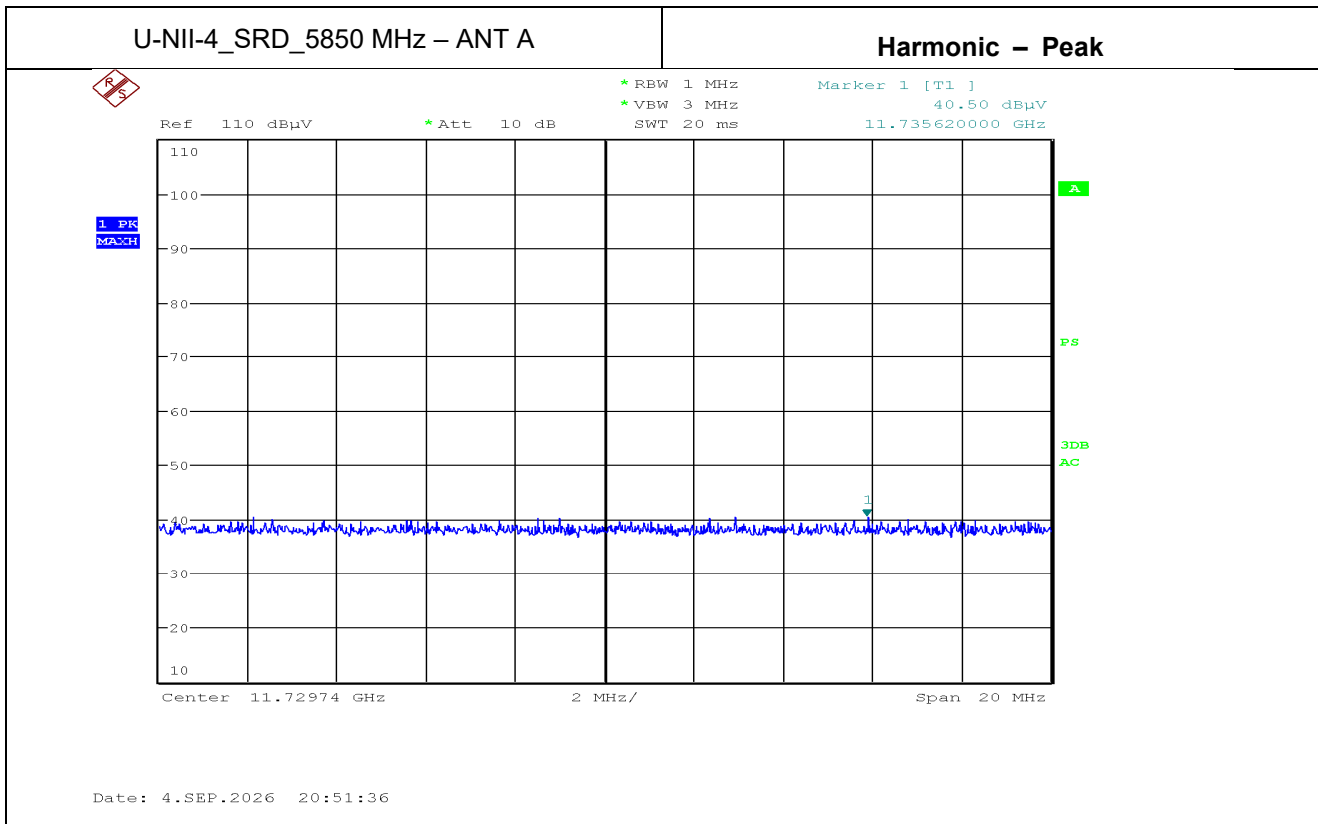
Restricted Band – Peak

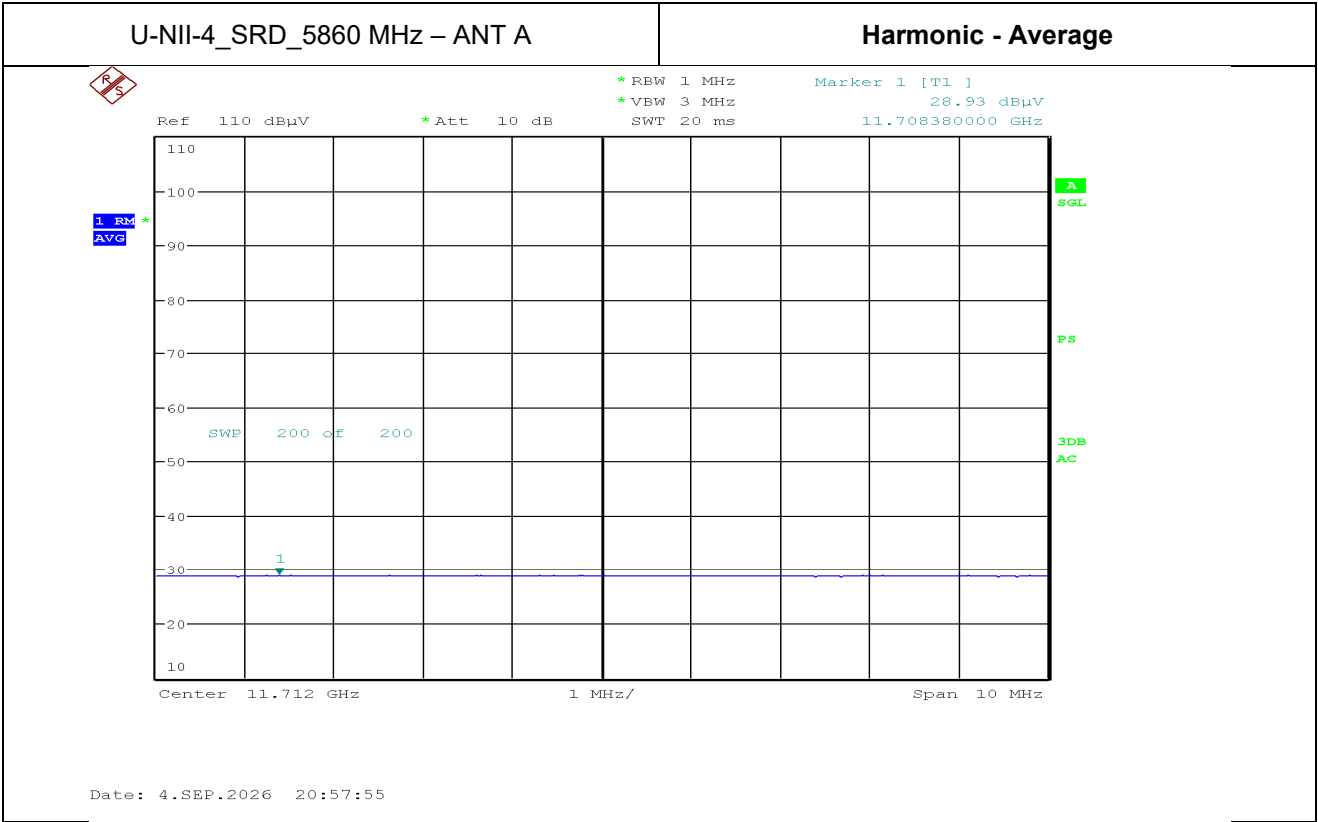
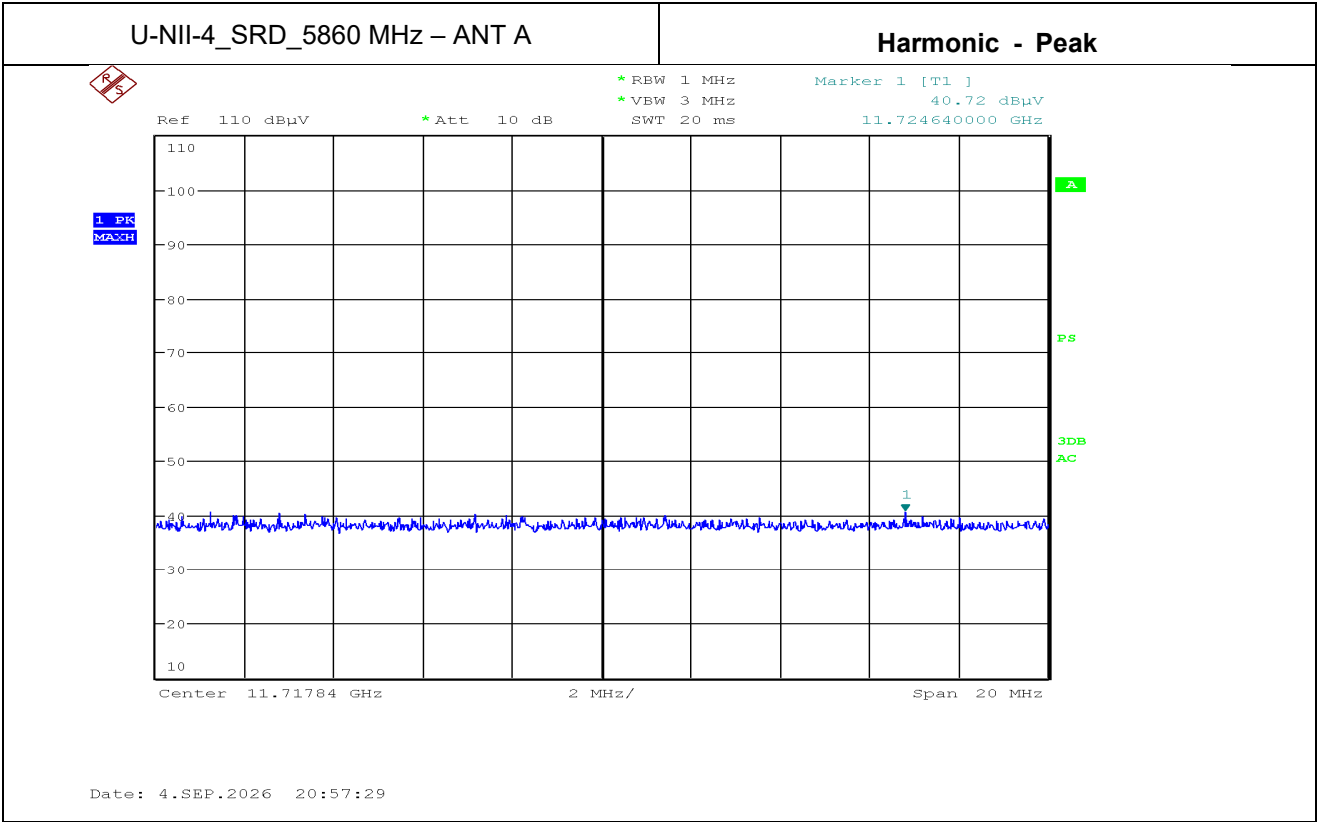


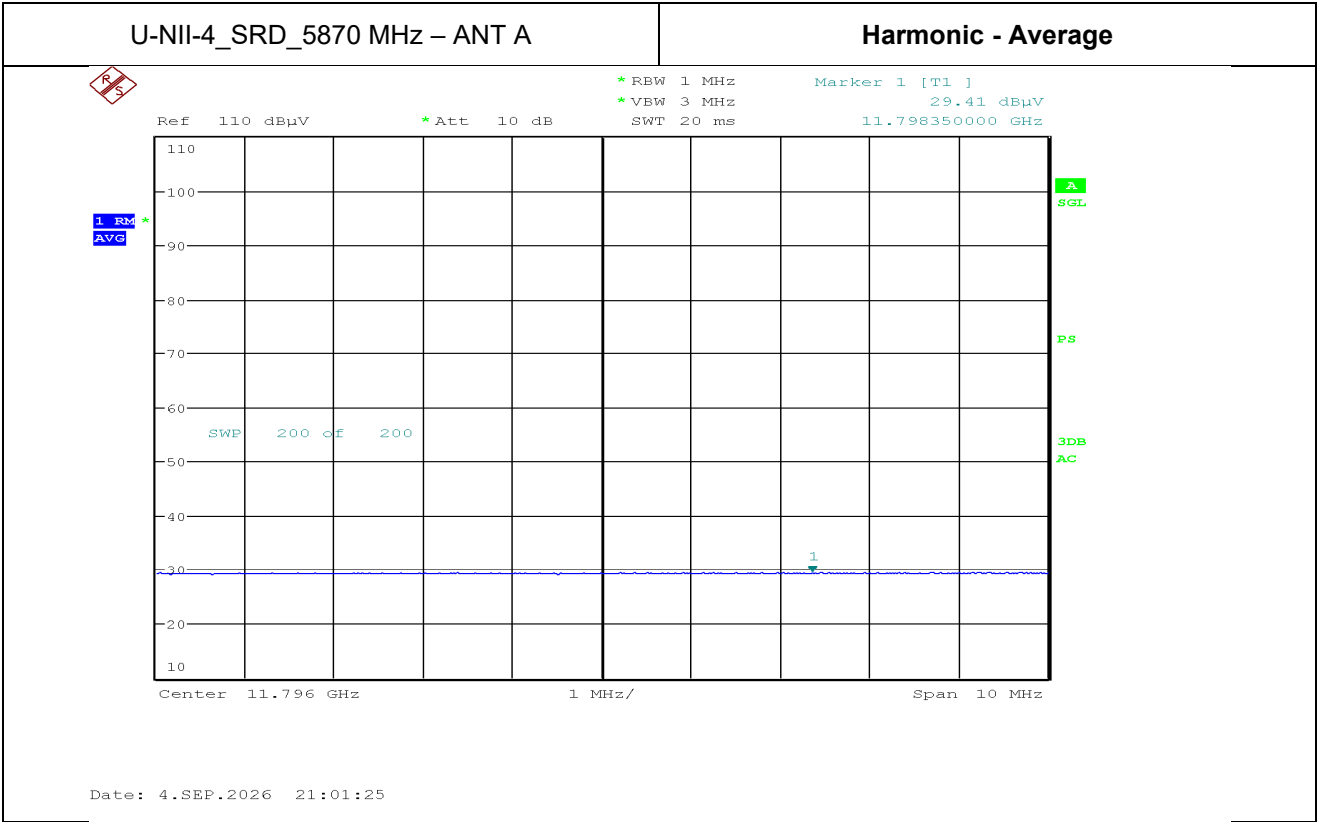
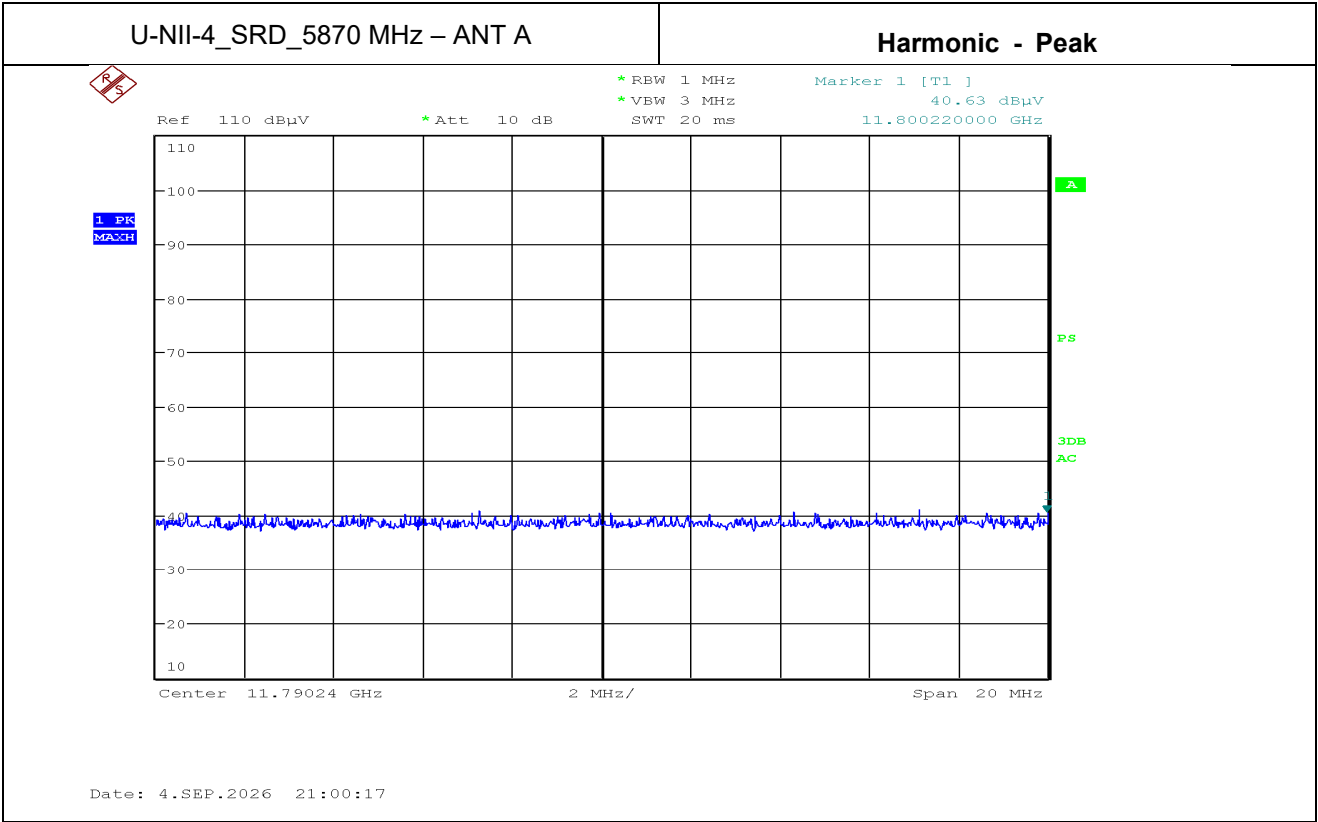
U-NII-4_SRD_5870 MHz – ANT B

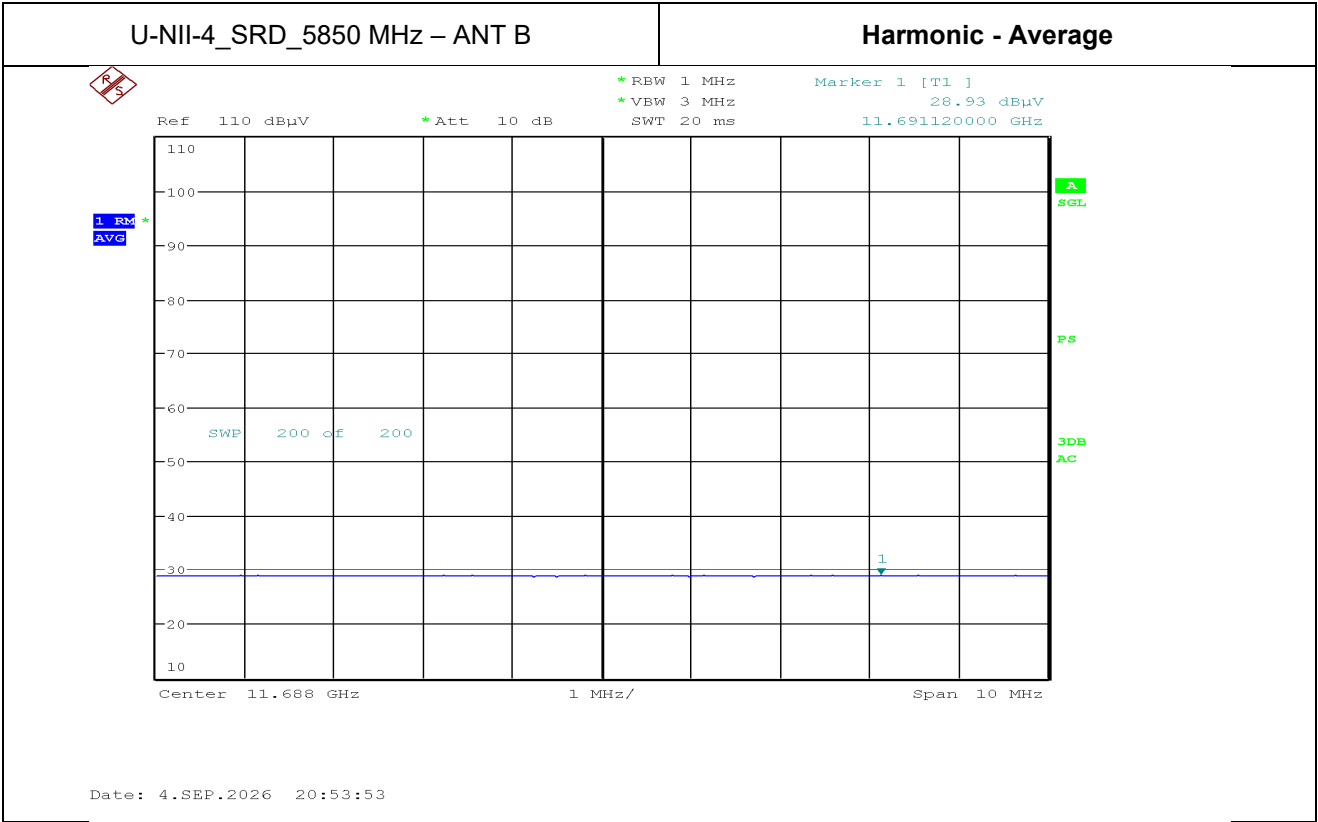
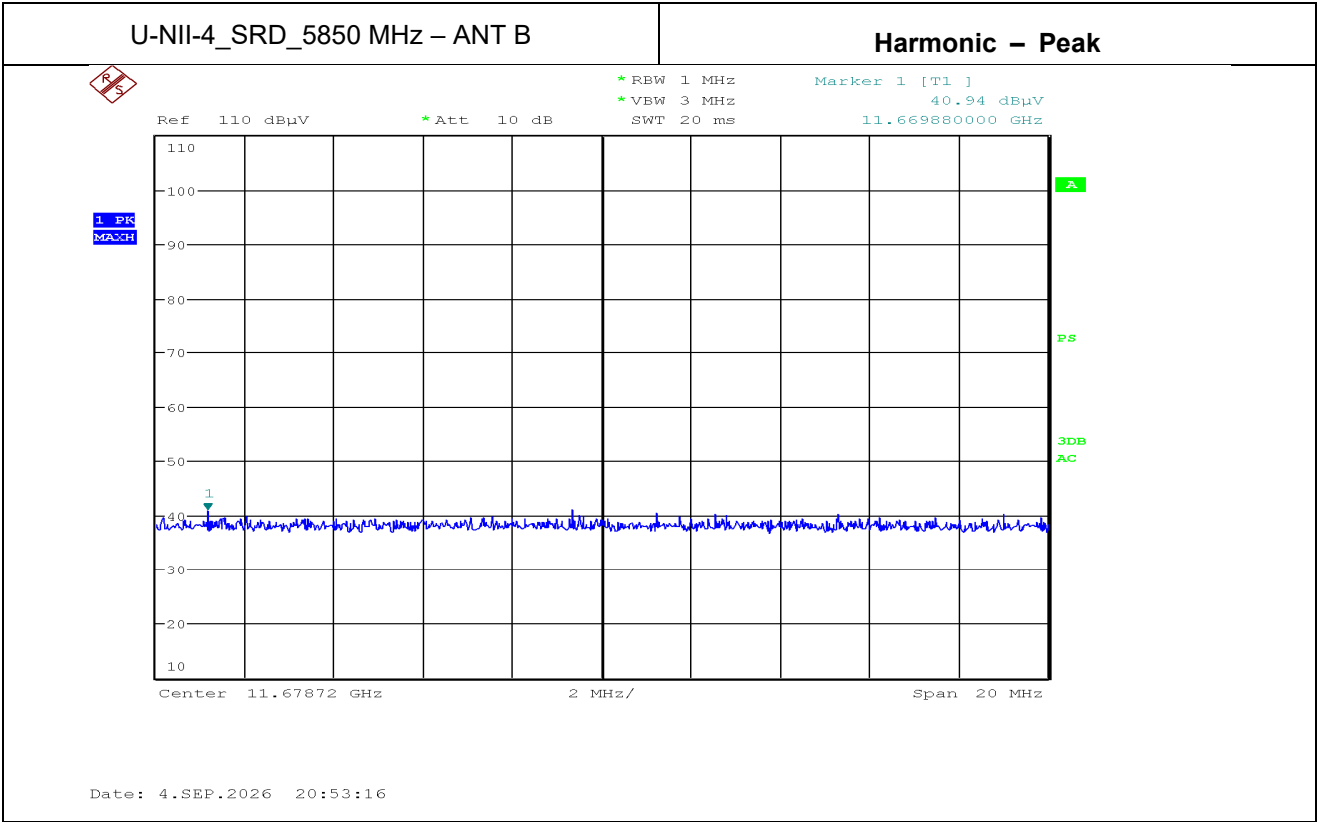
Restricted Band – Average

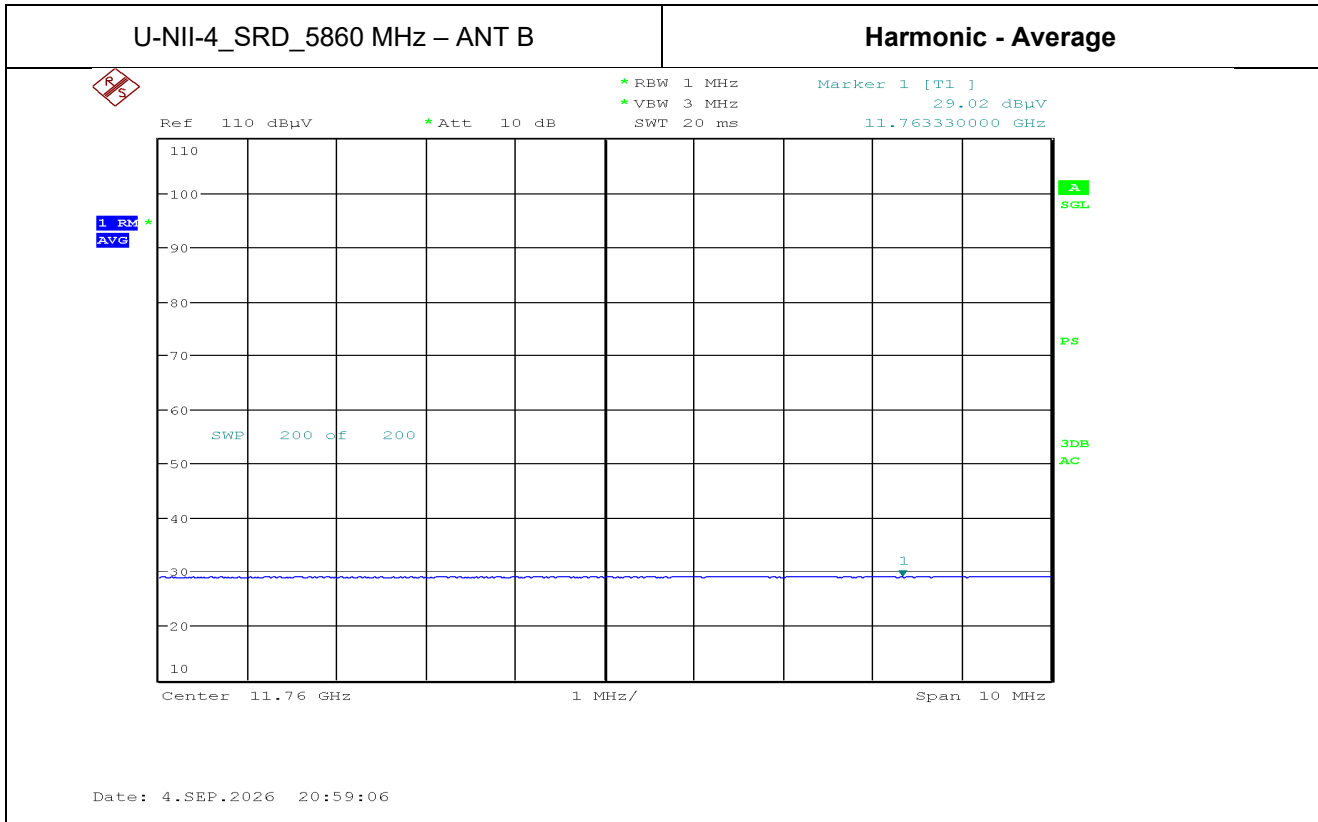
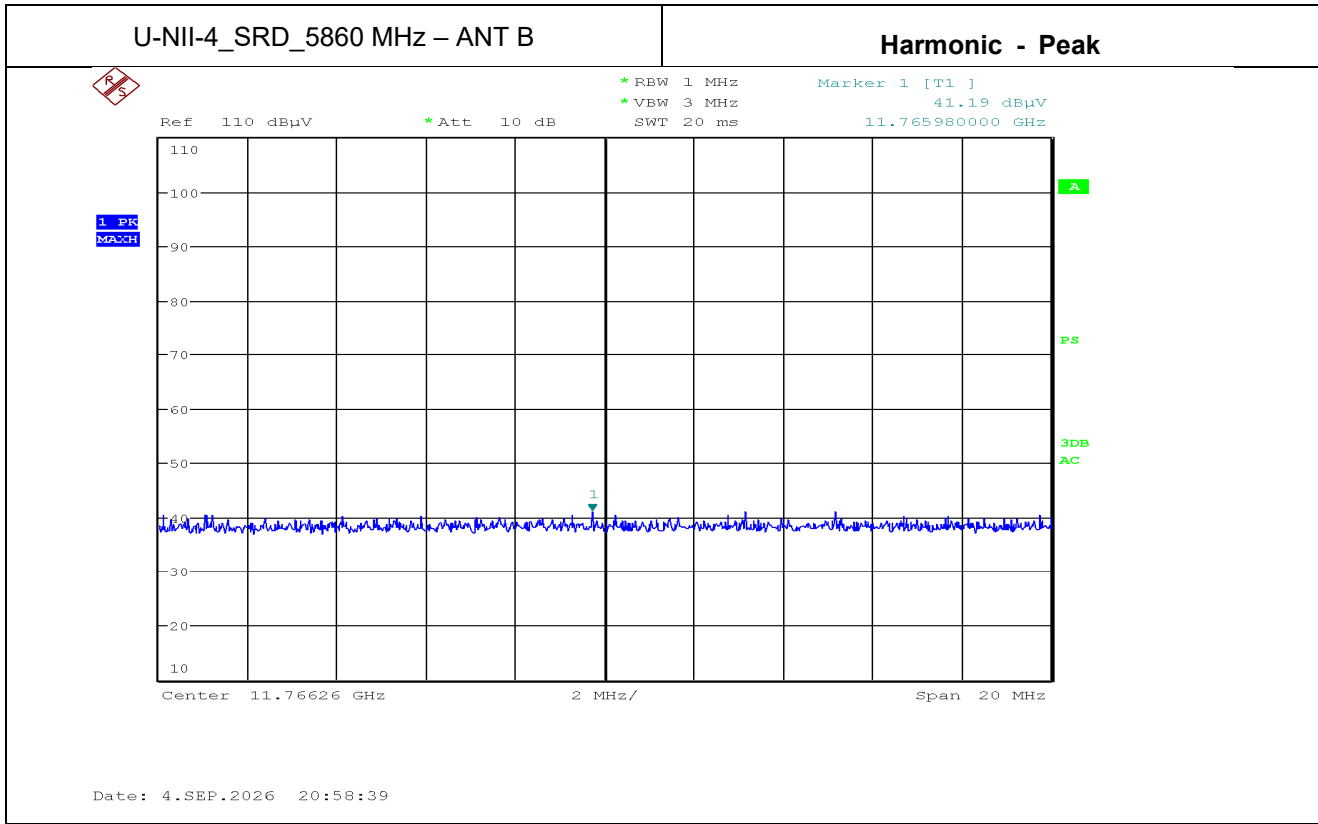


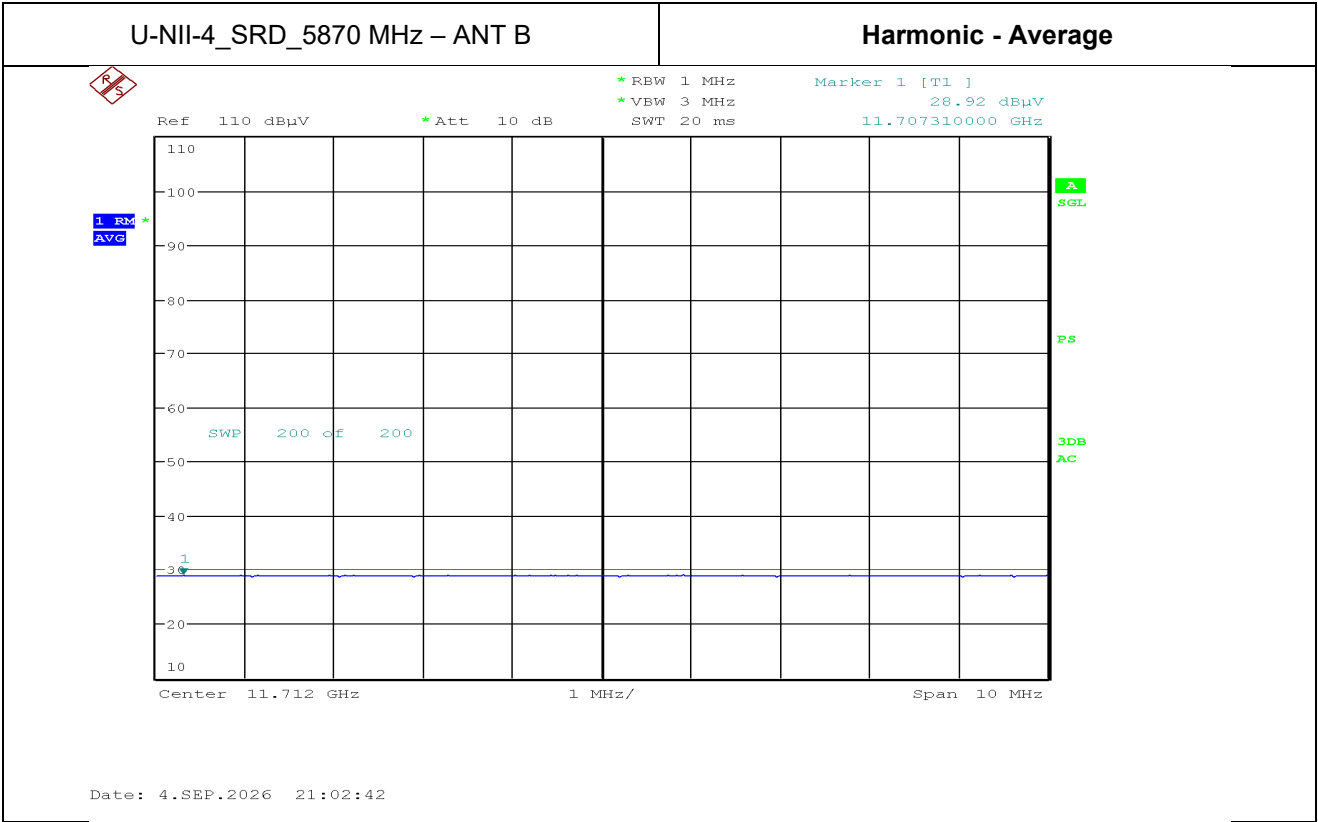
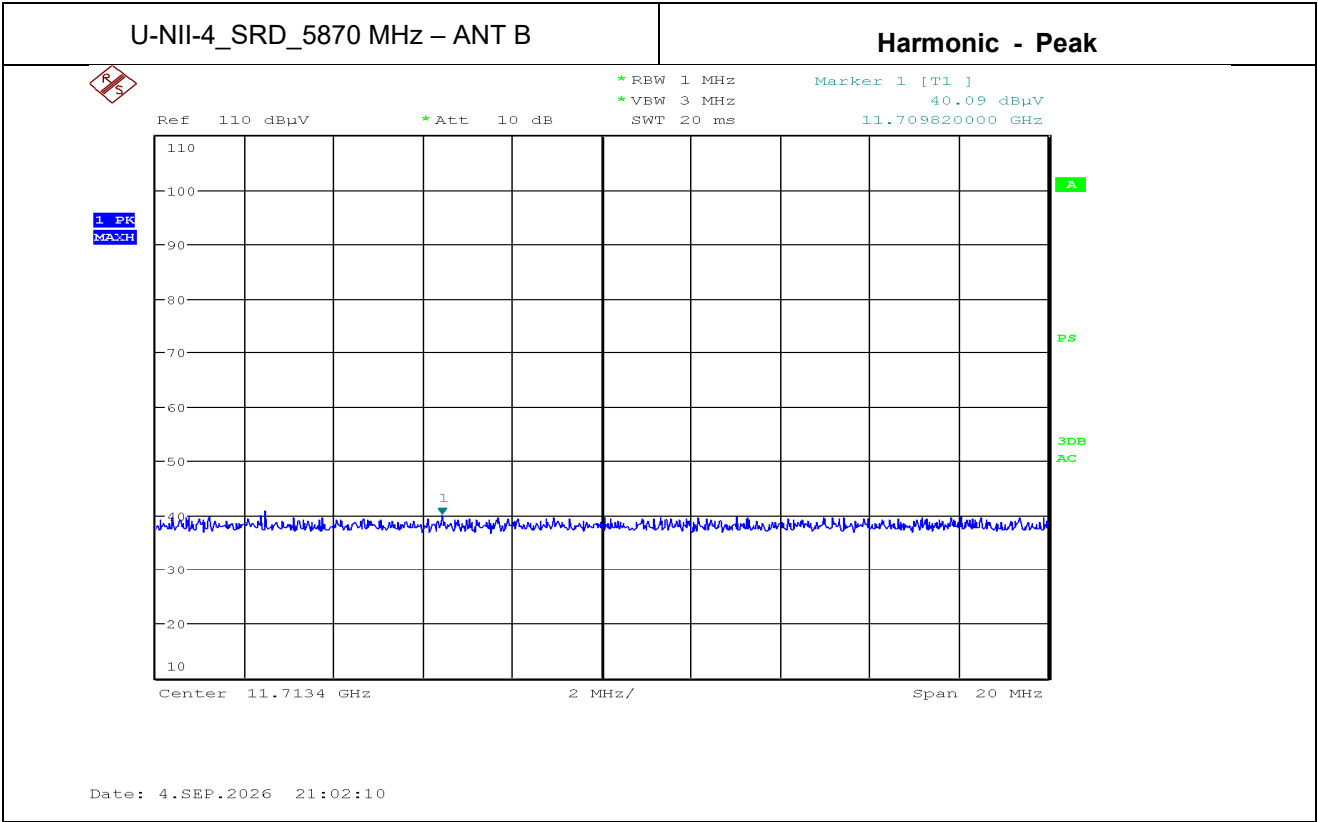






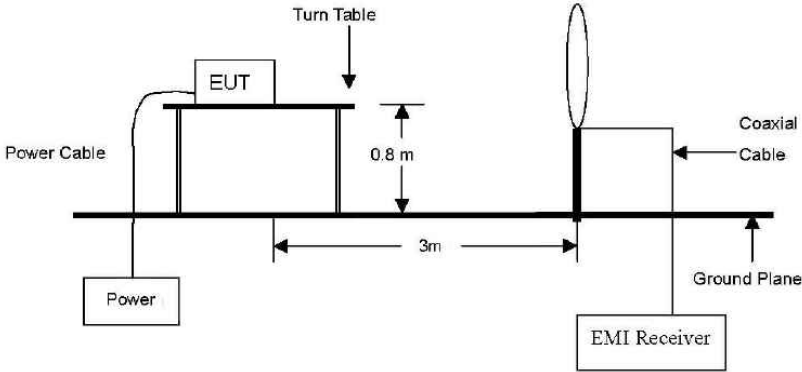
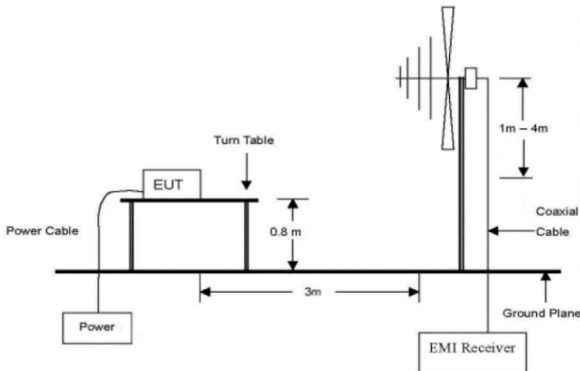
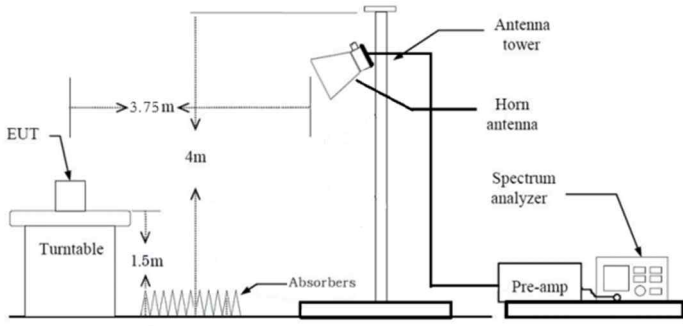






Appendix I. Test Setup

● Radiated Measurement

below 30 MHz	
below 1 GHz	
above 1 GHz	Above 1 GHz 

Appendix II. Test Instrumentation

Description	Model No.	Serial No.	Manufacturer.	Due for Cal. Date
Signal Analyzer	FSVA3044	101698	Rohde & Schwarz	2026-12-18
Test Receiver	ESU 26	100303	Rohde & Schwarz	2026-12-12
Signal Generator	SMF100A	101441	Rohde & Schwarz	2026-12-17
Temperature & Humidity Chamber	CL09	J0000062	YUASA	2026-12-08
DC Power Supply	E3610A	MY40005644	Agilent	2026-12-08
Dipole Antenna	3121C	9001-509	EMCO	2028-07-02
Dipole Antenna	3121C	9001-530	EMCO	2028-07-02
Dipole Antenna	UHA9105	N/A	Schwarzbeck	2028-07-02
TRILOG Broadband Antenna	VULB9163	9163-770	Schwarzbeck	2027-08-05
Attenuator	PE7390-6	1818	Pasternack	2027-08-05
Horn Antenna	HF 907	102426	Rohde & Schwarz	2027-07-02
Horn Antenna	BBHA 9170	783	Schwarzbeck	2027-06-24
Pre-Amplifier	310N	344015	Sonoma Instrument	2026-12-09
Pre-Amplifier	SCU 18D	19006450	Rohde & Schwarz	2026-12-09
Pre-Amplifier	CBL18265035	28706	CERNEX	2026-12-10
Pre-Amplifier	CBL26405040	28707	CERNEX	2026-12-10
Pre-Amplifier	310N	344015	Sonoma Instrument	2026-12-09
Pre-Amplifier	SCU 18D	19006450	Rohde & Schwarz	2026-12-09
Pre-Amplifier	CBL18265035	28706	CERNEX	2026-12-10
Pre-Amplifier	CBL26405040	28707	CERNEX	2026-12-10
Turn Table	DT3000-3t	1310814	INNCO SYSTEM	N/A
Antenna Master	MA4000-EP	4600814	INNCO SYSTEM	N/A
Antenna Master	MA4000-XP-ET	-	INNCO SYSTEM	N/A
Camera Controller	HDCon4102	6531445048	PONTIS	N/A
CO3000 Controller	Co3000-4Port	CO3000/806/ 34130814/L	INNCO SYSTEM	N/A
CO3000 Controller	Co3000-4Port	CO3000/807/ 34130814/L	INNCO SYSTEM	N/A

The measuring equipment utilized to perform the tests documented in this test report has been calibrated in accordance with manufacturer's recommendations, and is traceable to recognized national standards.

(End of report)