



Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240300037402

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TEST REPORT

Application No.: KSCR2403000374AT
FCC ID: 2BFRXELT622PI
Applicant: EasyCell Co., Ltd
Address of Applicant: #1115, Ace Pyeong chon Tower, 361 Simin-daero, Dongan-gu, Anyang-si, Gyeonggi-do Korea
Manufacturer: EasyCell Co., Ltd
Address of Manufacturer: #1115, Ace Pyeong chon Tower, 361 Simin-daero, Dongan-gu, Anyang-si, Gyeonggi-do Korea
Factory: EasyCell Co., Ltd
Address of Factory: #1115, Ace Pyeong chon Tower, 361 Simin-daero, Dongan-gu, Anyang-si, Gyeonggi-do Korea
Equipment Under Test (EUT):
EUT Name: CBRS CAT-A Indoor CBSD
Model No.: ELT-622PI
Standard(s) : 47 CFR Part 2
47 CFR Part 96
Date of Receipt: 2024-03-08
Date of Test: 2024-04-03 to 2024-04-07
Date of Issue: 2024-04-08

Test Result:	Pass
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* In the configuration tested, the EUT complied with the standards specified above.

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<i>Revision Record</i>			
<i>Version</i>	<i>Description</i>	<i>Date</i>	<i>Remark</i>
00	Original	2024-04-08	/

Authorized for issue by:			
Tested By		<i>Damon Zhou</i>	

		Damon_Zhou/Project Engineer	
Approved By		<i>Terry Hou</i>	

		Terry Hou /Reviewer	

2 Test Summary

Test Item	FCC Rule No.	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §96.41	PASS
Peak-Average Ratio	§96.41	PASS
Modulation Characteristics	§2.1047	PASS
Bandwidth	§96.41	PASS
Band Edge Compliance	§2.1051, §96.41	PASS
Spurious emissions at antenna terminals	§2.1051, §96.41	PASS
Field strength of spurious radiation	§2.1051, §96.41	PASS
Frequency stability	§2.1055,	PASS



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4 General Information

4.1 Details of E.U.T.

Product Name:	Citizen Band CAT-A Indoor CBDS
Model No.:	ELT-622PI
Antenna Type:	Internal
Antenna Gain:	Antenna 1&2:7dBi (Provided by manufacturer)
Power Supply:	AC 120V/60Hz by adapter Adapter: Model No: SW42-12003500-W Input: AC 100~240V 50/60Hz Output: DC 12V/3.5A
CBSD Class:	Category A CBSD
Modulation Type:	QPSK\16QAM\64QAM
Frequency Band:	LTE Band48
Frequency Range:	3550MHz to 3700MHz
Hardware Version:	V0.2
Software Version:	Version 6.4.0 Version Suffix : g50-lt621ct-9738 Build Date : Wed Mar 27 14:27:31 KST 2024
Extreme Temp. Tolerance:	-30°C to +50°C
Antenna Delivery:	2*2 MIMO

4.2 Test Frequency

Test Mode	Carrier Bandwidth (MHz)	Carrier Frequency Configuration (MHz)		
		Low(L)	Middle(M)	High(H)
B48	10	3555.00	3624.99	3694.98
	20	3560.01	3624.99	3690.00

4.3 Test Support Unit

Description	Manufacture	Model No.	S/N
PC	LENOVO	M920t	PC1JMG92

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 10 ⁻⁸
2	Timeout	2s
3	Duty cycle	0.37%
4	Occupied Bandwidth	3%
5	RF conducted power	0.6dB
6	RF power density	2.9dB
7	Conducted Spurious emissions	0.75dB
8	RF Radiated power	5.2dB (Below 1GHz)
		5.9dB (Above 1GHz)
9	Radiated Spurious emission test	4.2dB (Below 30MHz)
		4.5dB (30MHz-1GHz)
		5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature test	1°C
11	Humidity test	3%
12	Supply voltages	1.5%
13	Time	3%

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

4.5 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

Note:

- 1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
- 2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).
3. Sample source: sent by customer.

4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• ISED

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 2324E

• VCCI

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None

5 Equipment List

Item	Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal. Due Date
RF Conducted Test						
1	Spectrum Analyzer	Keysight	N9020A	KUS1911E004-2	08/24/2023	08/23/2024
2	Spectrum Analyzer	Keysight	N9020A	KUS2001M001-2	08/24/2023	08/23/2024
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	01/15/2024	01/14/2025
4	Signal Generator	R&S	SMBV100B	KSEM032	03/19/2024	03/18/2025
5	Signal Generator	R&S	SMW200A	KSEM020-1	08/24/2023	08/23/2024
6	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/24/2023	08/23/2024
7	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/24/2023	08/23/2024
8	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	03/19/2024	03/18/2025
9	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/24/2023	08/23/2024
10	Switcher	TST	FY562	KUS2001M001-4	01/15/2024	01/14/2025
11	AC Power Source	EXTECH	6605	KS301178	N.C.R	N.C.R
12	DC Power Supply	Aglient	E3632A	KS301180	N.C.R	N.C.R
13	Conducted Test Cable	Thermax	RF01-RF04	CZ301111- CZ301120	01/15/2024	01/14/2025
14	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	08/24/2023	08/23/2024
15	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	03/19/2024	03/18/2025
16	Software	BST	TST-PASS	/	NCR	NCR
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/24/2023	08/23/2024
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	03/19/2024	03/18/2025
3	Signal Generator	Agilent	E8257C	KS301066	08/24/2023	08/23/2024
4	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	03/18/2023	03/17/2025
5	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2023	06/28/2025
6	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E006	03/19/2024	03/18/2025
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	08/24/2023	08/23/2024
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	04/07/2024	04/06/2025
9	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	01/07/2024	01/06/2026
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/15/2024	01/14/2025
11	Amplifier(18~40GHz)	PANSHAN TECHNOLOGY	LNA180400G40	KSEM038	08/24/2023	08/23/2024
12	RE Test Cable	EBES MICROWAVE	/	CZ301097	08/24/2023	08/23/2024
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	03/19/2024	03/18/2025
14	Software	Faratronic	EZ_EM C-v 3A1	/	NCR	NCR
15	Software	ESE	E3_V 6.111221a	/	NCR	NCR

6 Radio Spectrum Matter Test Results

6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §96.41
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $EIRP \leq 30\text{dBm}/10\text{MHz}$, $PSD \leq 20\text{dBm}/\text{MHz}$

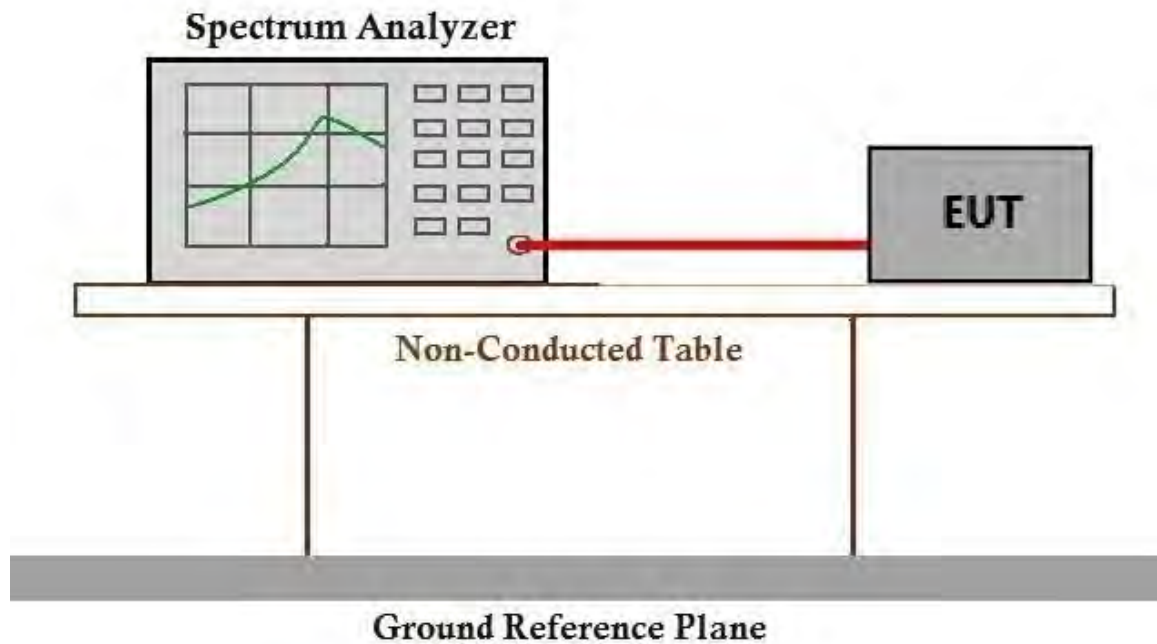
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.0 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar

Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.1.2 Test Setup Diagram



6.1.3 Measurement Data

Please Refer to Appendix for Details

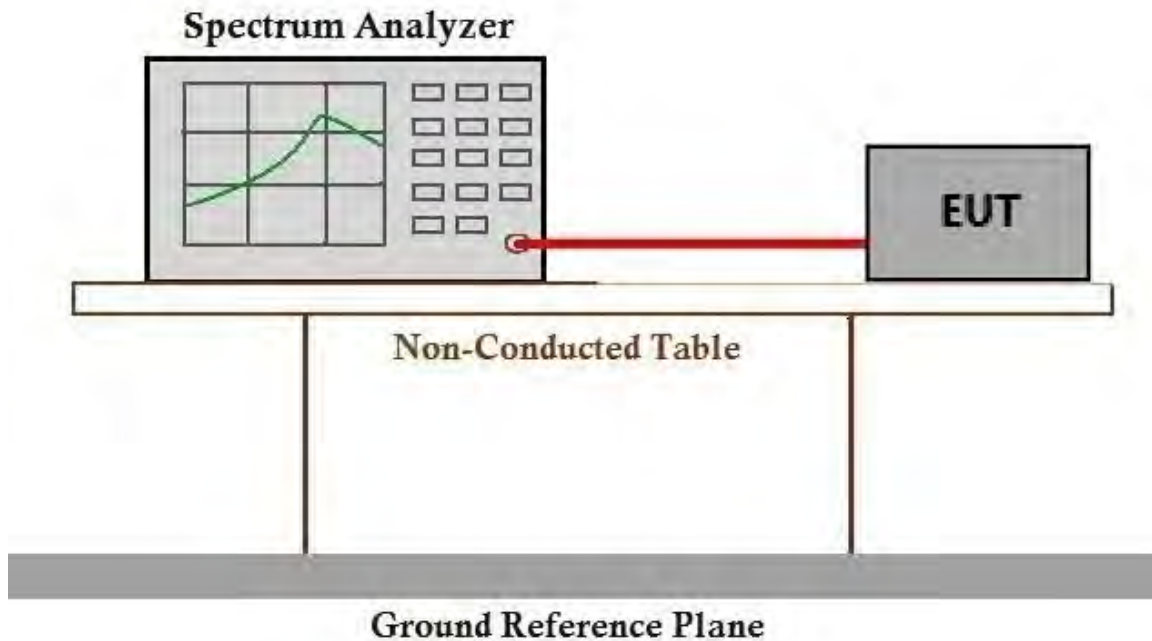
6.2 Peak-Average Ratio

Test Requirement: §96.41
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: ≤13dB

6.2.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.0 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar
 Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.2.2 Test Setup Diagram



6.2.3 Measurement Data

Please Refer to Appendix for Details

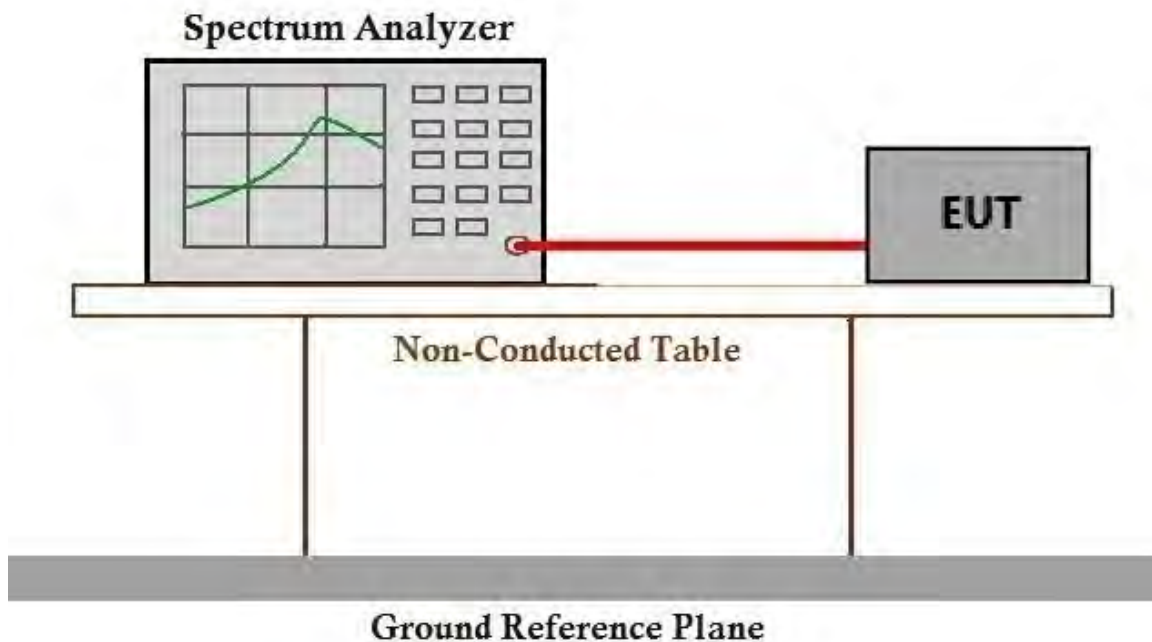
6.3 Bandwidth

Test Requirement: §2.1049(h)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: OBW: No limit
 EBW: No limit

6.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.0 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar
 Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.3.2 Test Setup Diagram



6.3.3 Measurement Data

Please Refer to Appendix for Details

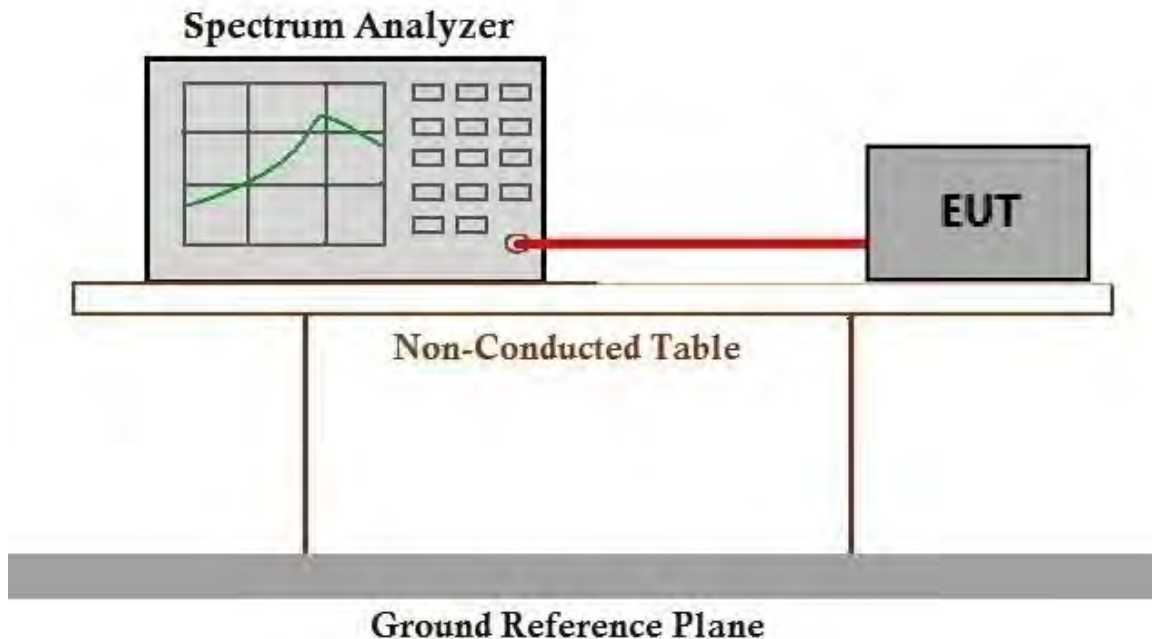
6.4 Band Edge Compliance

Test Requirement: §2.1051, §96.41
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth as specified in paragraph (e)(3) of this section (whether the emission is inside or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any CBSD emission shall not exceed -25 dBm/MHz. The upper and lower SAS assigned channel edges are the upper and lower limits of any channel assigned to a CBSD by an SAS, or in the case of multiple contiguous channels, the upper and lower limits of the combined contiguous channels.
 Additional protection levels. Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

6.4.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.0 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar
 Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.4.2 Test Setup Diagram



6.4.3 Measurement Data

Please Refer to Appendix for Details

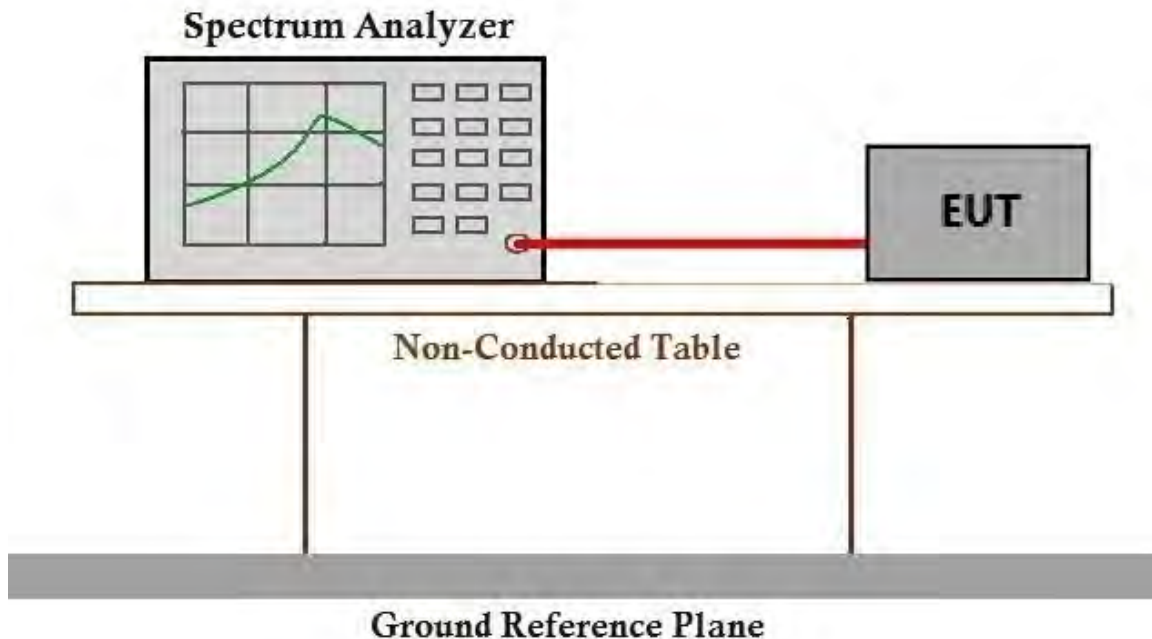
6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §96.41
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth as specified in paragraph (e)(3) of this section (whether the emission is inside or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any CBSD emission shall not exceed -25 dBm/MHz. The upper and lower SAS assigned channel edges are the upper and lower limits of any channel assigned to a CBSD by an SAS, or in the case of multiple contiguous channels, the upper and lower limits of the combined contiguous channels.
 Additional protection levels. Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

6.5.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.0 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar
 Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.5.2 Test Setup Diagram



6.5.3 Measurement Data

Please Refer to Appendix for Details

6.6 Field strength of spurious radiation

Test Requirement: §2.1051, §96.41

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth as specified in paragraph (e)(3) of this section (whether the emission is inside or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any CBSD emission shall not exceed -25 dBm/MHz. The upper and lower SAS assigned channel edges are the upper and lower limits of any channel assigned to a CBSD by an SAS, or in the case of multiple contiguous channels, the upper and lower limits of the combined contiguous channels.

Additional protection levels. Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

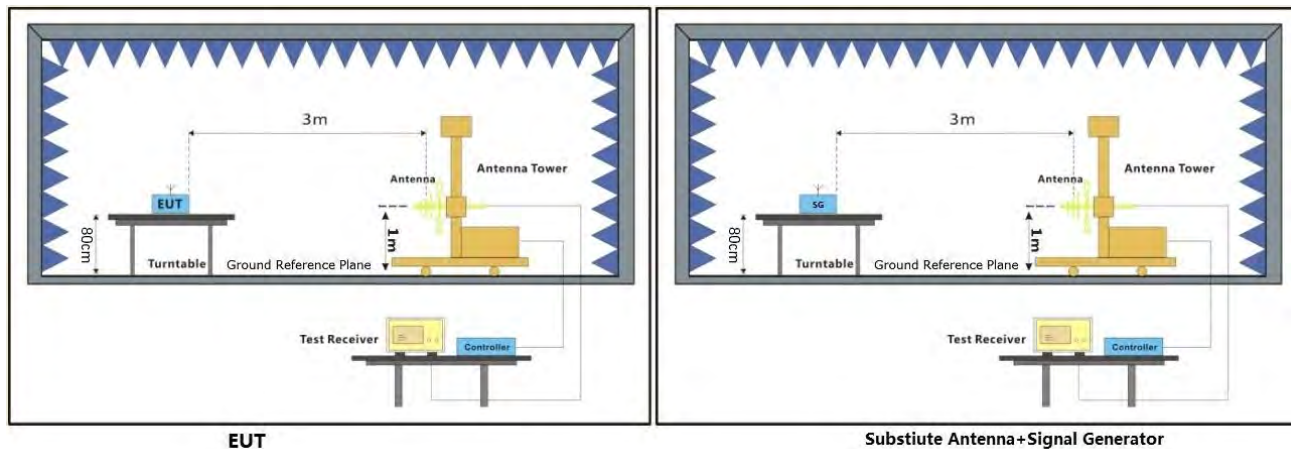
6.6.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C Humidity: 66.5 % RH Atmospheric Pressure: 1012 mbar

Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.6.2 Test Setup Diagram



6.6.3 Measurement Procedure and Data

Test Procedure:

- (1) On a test site, the EUT shall be placed on a turntable and in the position closest to the normal use as declared by the user.
- (2) The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the transmitter.
- (3) The output of the antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
- (4) The transmitter shall be switched on; if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
- (5) The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
- (6) The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- (7) The test antenna shall be raised and lowered again through the specified range of height until the measuring receiver detects a maximum signal level.
- (8) The maximum signal level detected by the measuring receiver shall be noted.
- (9) The measurement shall be repeated with the test antenna set to horizontal polarization.
- (10) Replace the antenna with a proper Antenna (substitution antenna).
- (11) The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of transmitting.
- (12) The substitution antenna shall be connected to a calibrated signal generator.
- (13) If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- (14) The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
- (15) The input signal to substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuation setting of the measuring receiver.
- (16) The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
- (17) The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.

QPSK 10MHz 3555MHz					
Frequency	Spurious Emission		Limit	Over Limit	Verdict
	Polarization and Level				
MHz	Polarization	dBm	dBm	dB	
390.8	Horizontal	-67.02	-40	-27.02	Pass
564.3	Horizontal	-62.34	-40	-22.34	Pass
954.4	Horizontal	-56.71	-40	-16.71	Pass
1353.6	Horizontal	-57.52	-40	-17.52	Pass
2761.1	Horizontal	-51.95	-40	-11.95	Pass
6509.9	Horizontal	-48.20	-40	-8.20	Pass
358.7	Vertical	-69.17	-40	-29.17	Pass
573.8	Vertical	-62.40	-40	-22.40	Pass
965.5	Vertical	-61.59	-40	-21.59	Pass
1367.5	Vertical	-58.23	-40	-18.23	Pass
2754.8	Vertical	-54.23	-40	-14.23	Pass
6479.5	Vertical	-46.27	-40	-6.27	Pass

QPSK 10MHz 3625MHz					
Frequency	Spurious Emission		Limit	Over Limit	Verdict
	Polarization and Level				
MHz	Polarization	dBm	dBm	dB	
377.5	Horizontal	-68.03	-40	-28.03	Pass
575.1	Horizontal	-62.20	-40	-22.20	Pass
927.9	Horizontal	-58.07	-40	-18.07	Pass
1336.5	Horizontal	-60.78	-40	-20.78	Pass
2744.5	Horizontal	-53.07	-40	-13.07	Pass
6513.1	Horizontal	-46.43	-40	-6.43	Pass
355.1	Vertical	-69.55	-40	-29.55	Pass
570.2	Vertical	-61.83	-40	-21.83	Pass
974.7	Vertical	-56.15	-40	-16.15	Pass
1331.3	Vertical	-60.11	-40	-20.11	Pass
2727.7	Vertical	-55.58	-40	-15.58	Pass
6520.4	Vertical	-47.60	-40	-7.60	Pass

QPSK 10MHz 3695MHz					
Frequency	Spurious Emission		Limit	Over Limit	Verdict
	Polarization and Level				
MHz	Polarization	dBm	dBm	dB	
370.5	Horizontal	-71.98	-40	-31.98	Pass
598.1	Horizontal	-66.10	-40	-26.10	Pass
973.3	Horizontal	-59.62	-40	-19.62	Pass
1353.5	Horizontal	-58.78	-40	-18.78	Pass
2768.9	Horizontal	-53.43	-40	-13.43	Pass
6508.6	Horizontal	-47.25	-40	-7.25	Pass
389.2	Vertical	-67.56	-40	-27.56	Pass
592.1	Vertical	-66.45	-40	-26.45	Pass
940.7	Vertical	-59.07	-40	-19.07	Pass
1355.9	Vertical	-58.17	-40	-18.17	Pass
2748.6	Vertical	-54.33	-40	-14.33	Pass
6495.4	Vertical	-48.16	-40	-8.16	Pass

QPSK 20MHz 3560MHz					
Frequency	Spurious Emission		Limit	Over Limit	Verdict
	Polarization and Level				
MHz	Polarization	dBm	dBm	dB	
384.5	Horizontal	-71.00	-40	-31.00	Pass
590.6	Horizontal	-63.48	-40	-23.48	Pass
933.9	Horizontal	-60.70	-40	-20.70	Pass
1335.2	Horizontal	-61.32	-40	-21.32	Pass
2746.3	Horizontal	-53.39	-40	-13.39	Pass
6515.1	Horizontal	-47.37	-40	-7.37	Pass
380.7	Vertical	-66.57	-40	-26.57	Pass
597.3	Vertical	-64.60	-40	-24.60	Pass
973.3	Vertical	-57.60	-40	-17.60	Pass
1349.0	Vertical	-58.10	-40	-18.10	Pass
2765.9	Vertical	-51.83	-40	-11.83	Pass
6505.8	Vertical	-49.97	-40	-9.97	Pass

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QPSK 20MHz 3625MHz					
Frequency	Spurious Emission		Limit	Over Limit	Verdict
	Polarization and Level				
MHz	Polarization	dBm	dBm	dB	
388.3	Horizontal	-71.50	-40	-31.50	Pass
582.8	Horizontal	-63.85	-40	-23.85	Pass
951.8	Horizontal	-60.93	-40	-20.93	Pass
1372.1	Horizontal	-61.45	-40	-21.45	Pass
2740.1	Horizontal	-54.08	-40	-14.08	Pass
6515.5	Horizontal	-47.81	-40	-7.81	Pass
402.0	Vertical	-68.19	-40	-28.19	Pass
604.1	Vertical	-61.53	-40	-21.53	Pass
972.6	Vertical	-57.61	-40	-17.61	Pass
1341.0	Vertical	-59.80	-40	-19.80	Pass
2743.8	Vertical	-53.68	-40	-13.68	Pass
6511.0	Vertical	-47.15	-40	-7.15	Pass

QPSK 20MHz 3690MHz					
Frequency	Spurious Emission		Limit	Over Limit	Verdict
	Polarization and Level				
MHz	Polarization	dBm	dBm	dB	
399.1	Horizontal	-68.17	-40	-28.17	Pass
561.3	Horizontal	-66.63	-40	-26.63	Pass
954.3	Horizontal	-60.82	-40	-20.82	Pass
1348.9	Horizontal	-59.74	-40	-19.74	Pass
2731.1	Horizontal	-56.30	-40	-16.30	Pass
6489.8	Horizontal	-47.56	-40	-7.56	Pass
372.1	Vertical	-67.79	-40	-27.79	Pass
589.4	Vertical	-62.07	-40	-22.07	Pass
936.3	Vertical	-60.07	-40	-20.07	Pass
1331.2	Vertical	-61.02	-40	-21.02	Pass
2768.2	Vertical	-54.43	-40	-14.43	Pass
6480.8	Vertical	-51.11	-40	-11.11	Pass

Note: We have tested all modulation and all Channel, but only the worst case data displayed in this report.

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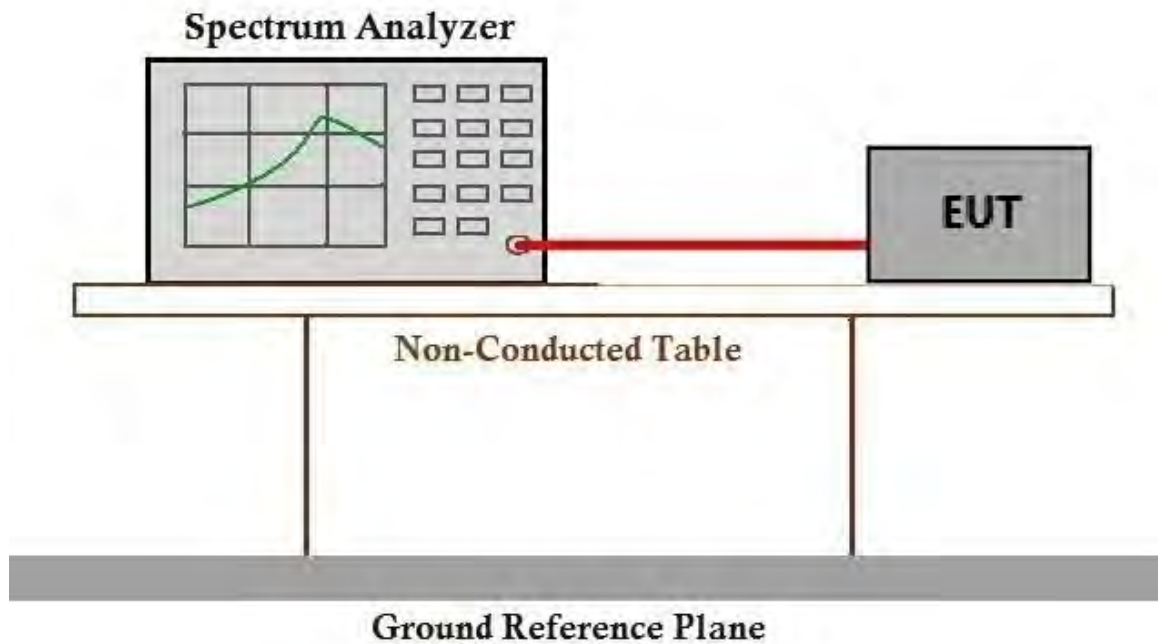
6.7 Frequency stability

Test Requirement: §2.1055
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: Fundamental emission stays within authorized frequency block

6.7.1 E.U.T. Operation

Operating Environment:
 Temperature: 22.0 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar
 Test mode: a: Tx mode, Keep the EUT in transmitting mode.

6.7.2 Test Setup Diagram



6.7.3 Measurement Data

Please Refer to Appendix for Details

7 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2403000374AT

8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2403000374AT

9 Appendix

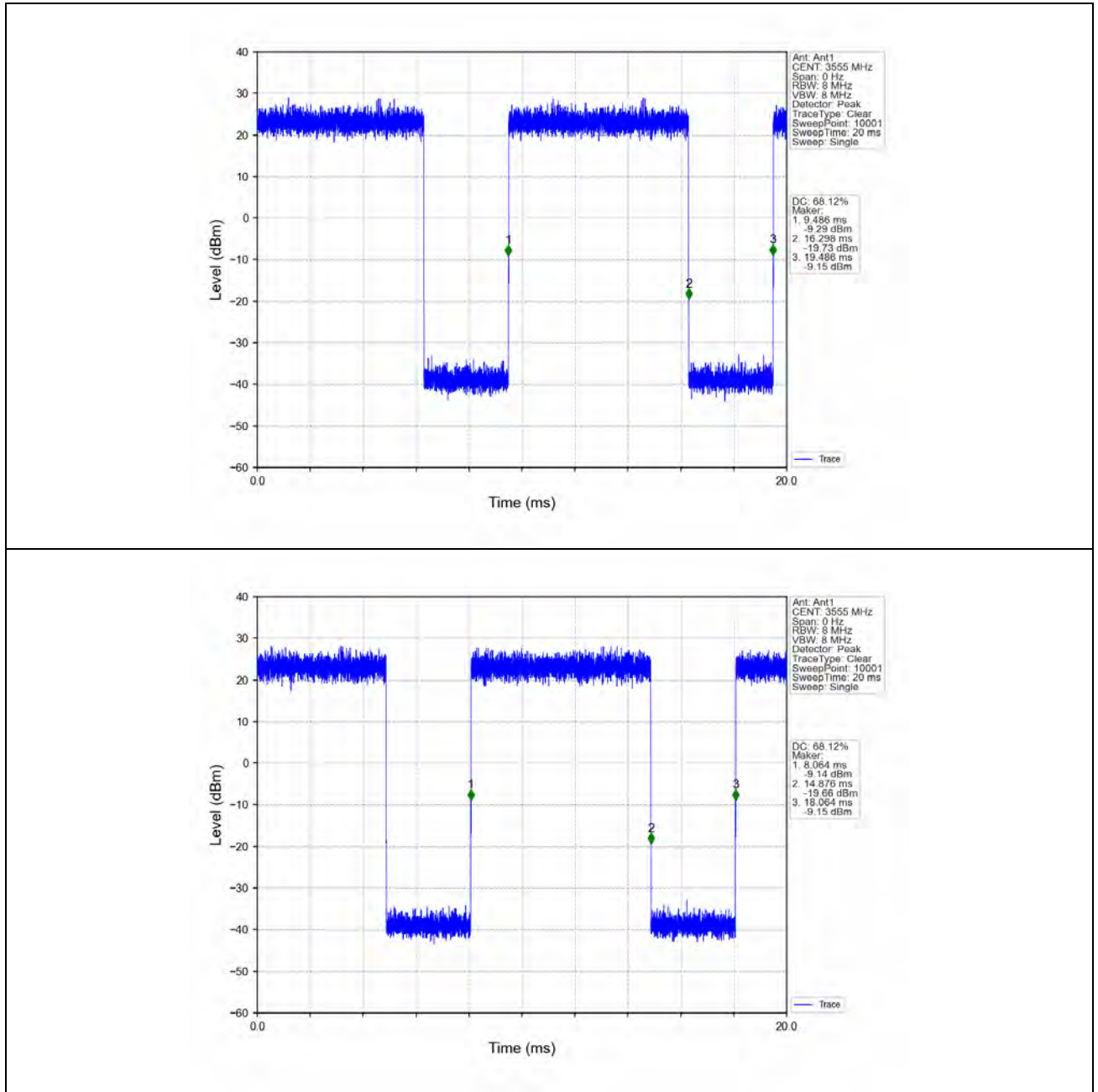
1. Duty Cycle

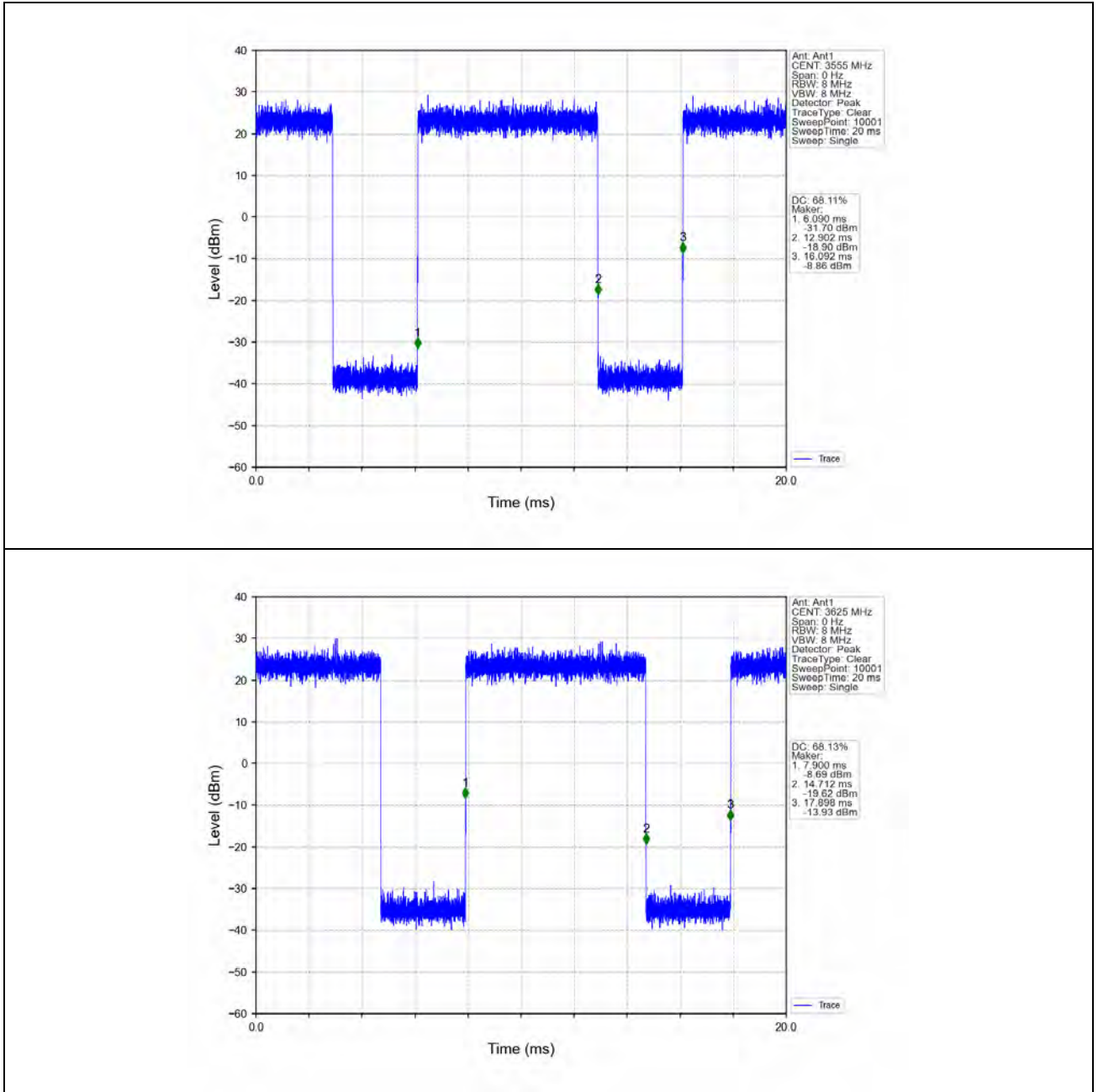
1.1 Single_Ant1

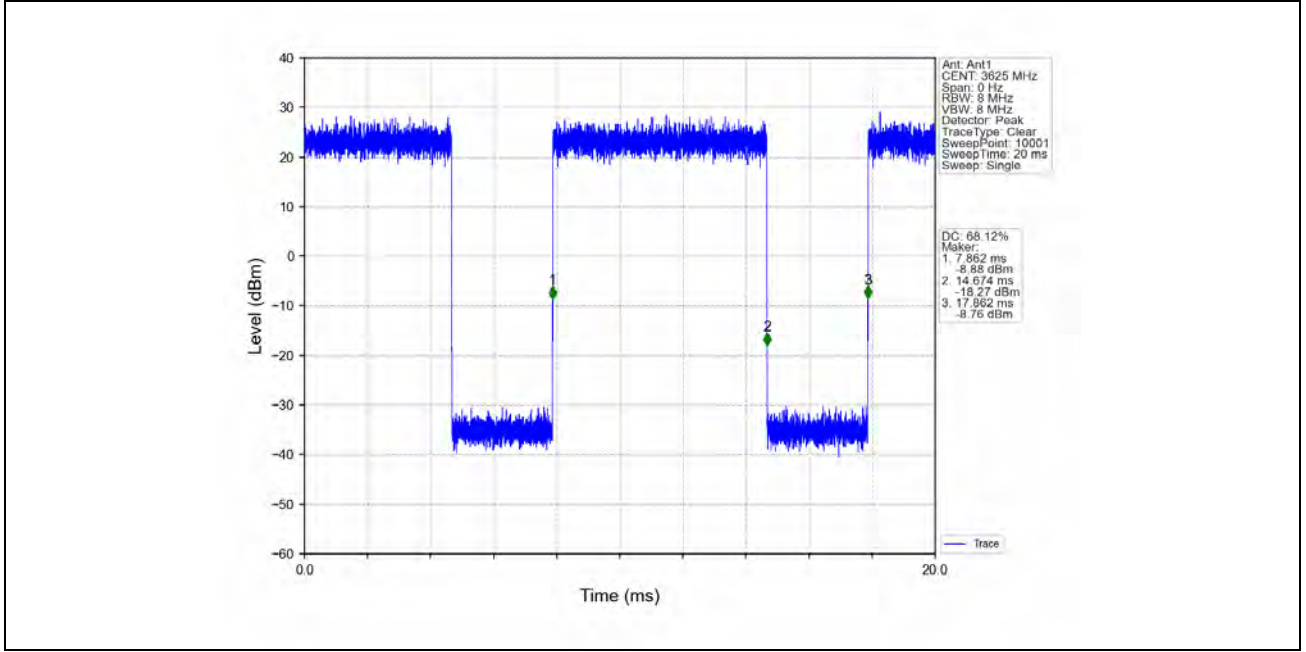
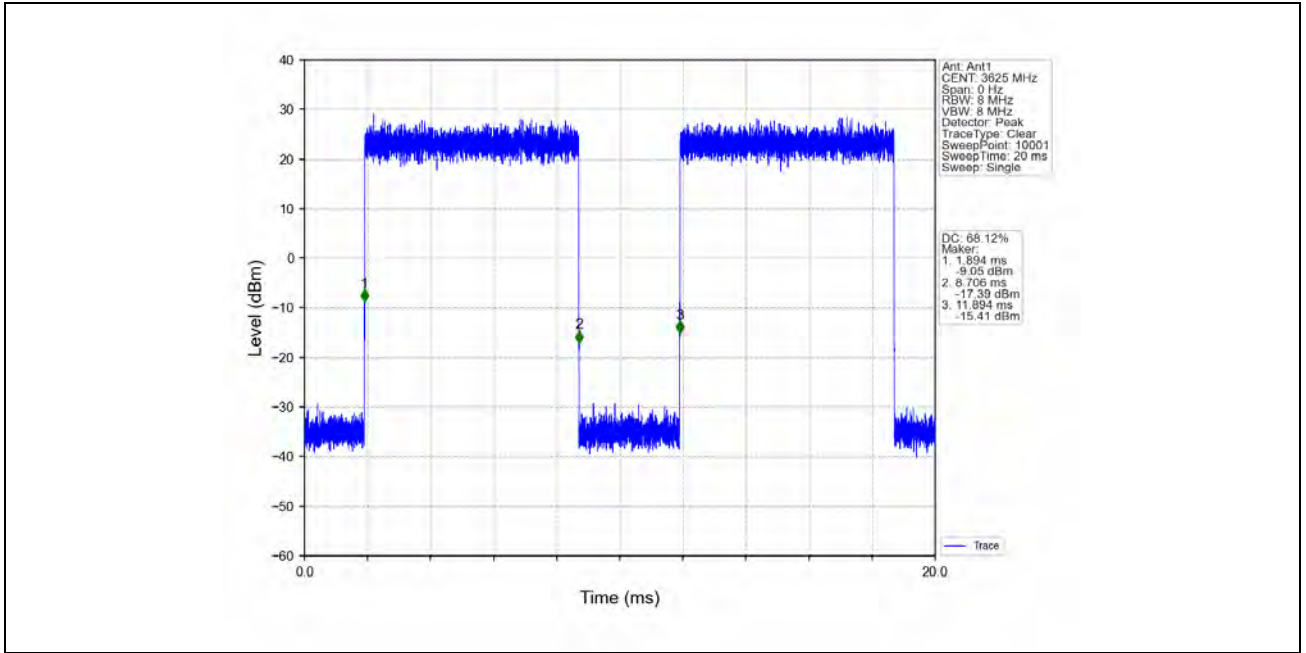
1.1.1 Test Result

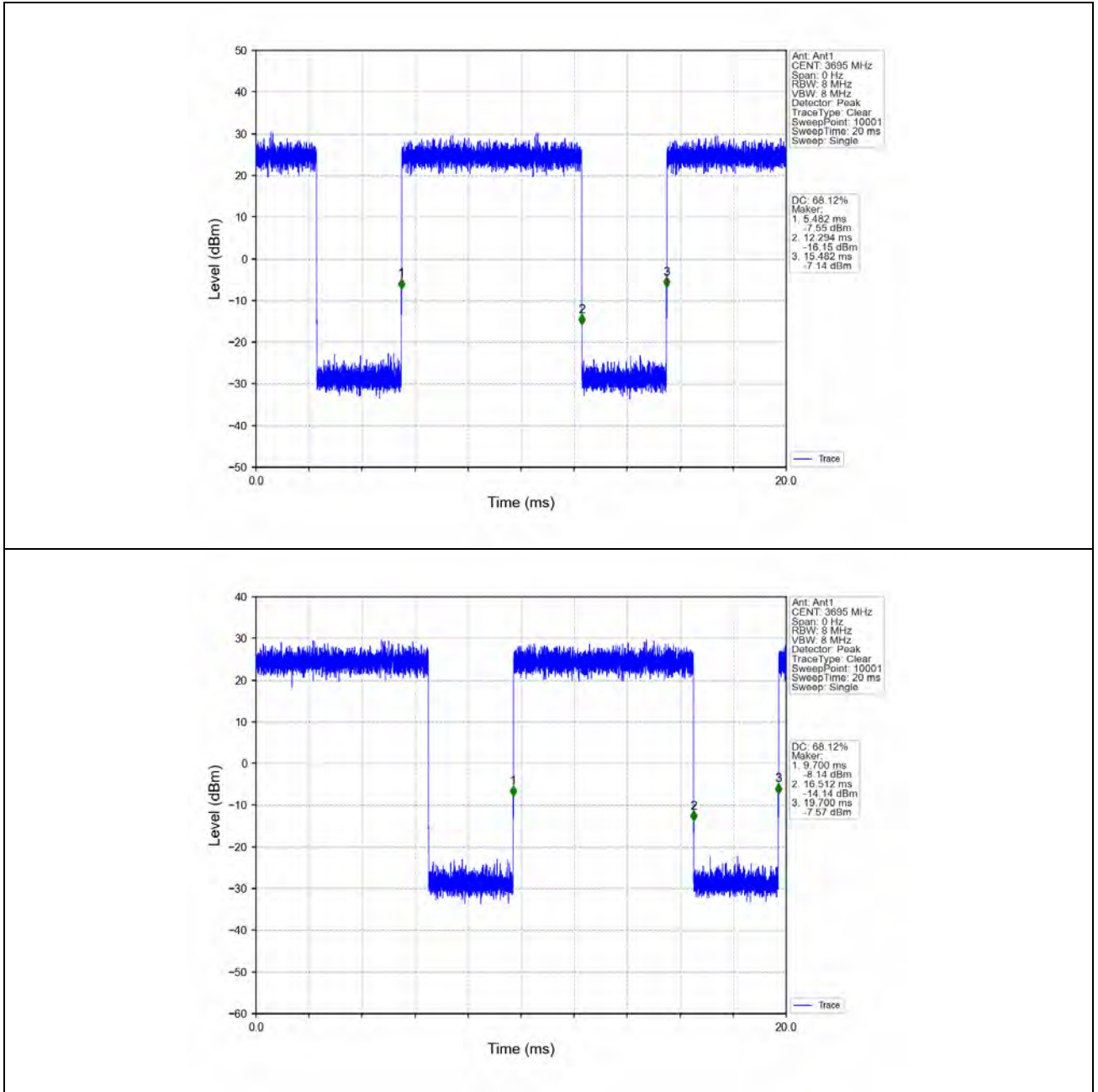
Band 48 Single NTV Ant1							
BW (MHz)	DL Frequency (MHz)	Test Mode	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
CC1:10	CC1:3555	QPSK	6.812	10.000	68.12	1.67	0.00
		16QAM	6.812	10.000	68.12	1.67	0.00
		64QAM	6.812	10.002	68.11	1.67	0.00
	CC1:3625	QPSK	6.812	9.998	68.13	1.67	0.00
		16QAM	6.812	10.000	68.12	1.67	0.00
		64QAM	6.812	10.000	68.12	1.67	0.00
	CC1:3695	QPSK	6.812	10.000	68.12	1.67	0.00
		16QAM	6.812	10.000	68.12	1.67	0.00
		64QAM	6.812	10.000	68.12	1.67	0.00
CC1:20	CC1:3560	QPSK	6.812	10.000	68.12	1.67	0.00
		16QAM	6.812	10.000	68.12	1.67	0.00
		64QAM	6.810	10.000	68.10	1.67	0.00
	CC1:3625	QPSK	6.812	10.000	68.12	1.67	0.00
		16QAM	6.812	10.000	68.12	1.67	0.00
		64QAM	6.810	10.000	68.10	1.67	0.00
	CC1:3690	QPSK	6.810	10.000	68.10	1.67	0.00
		16QAM	6.812	10.000	68.12	1.67	0.00
		64QAM	6.810	10.000	68.10	1.67	0.00

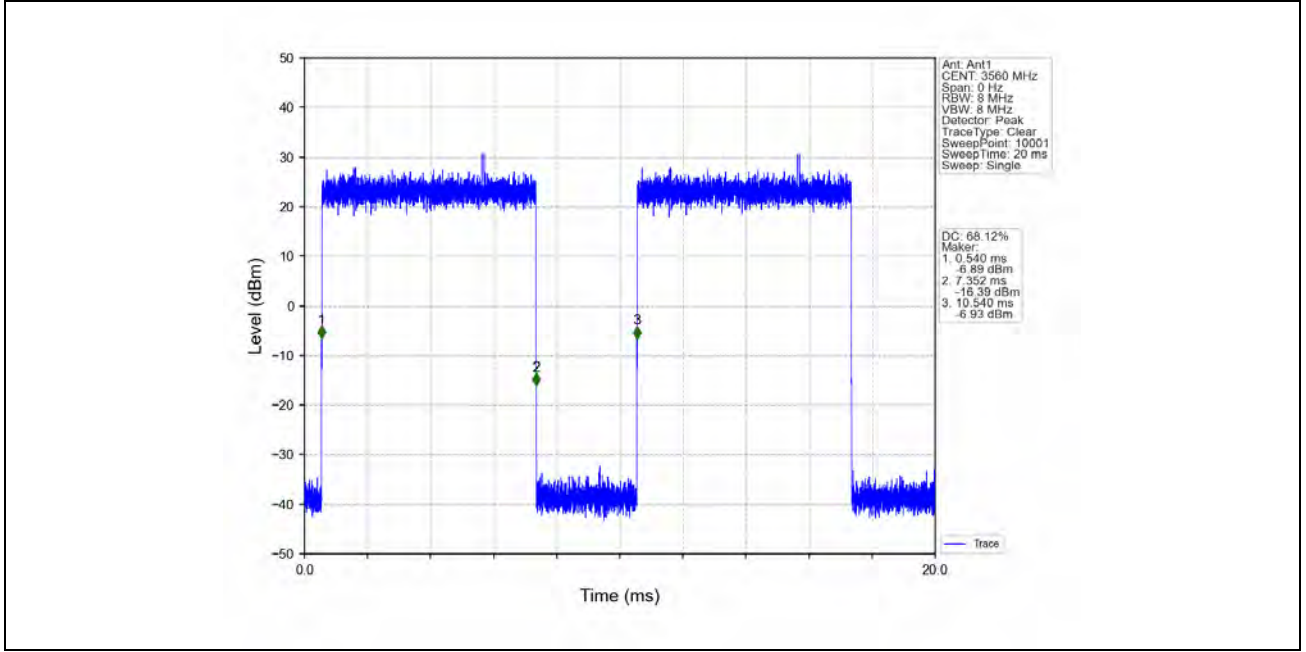
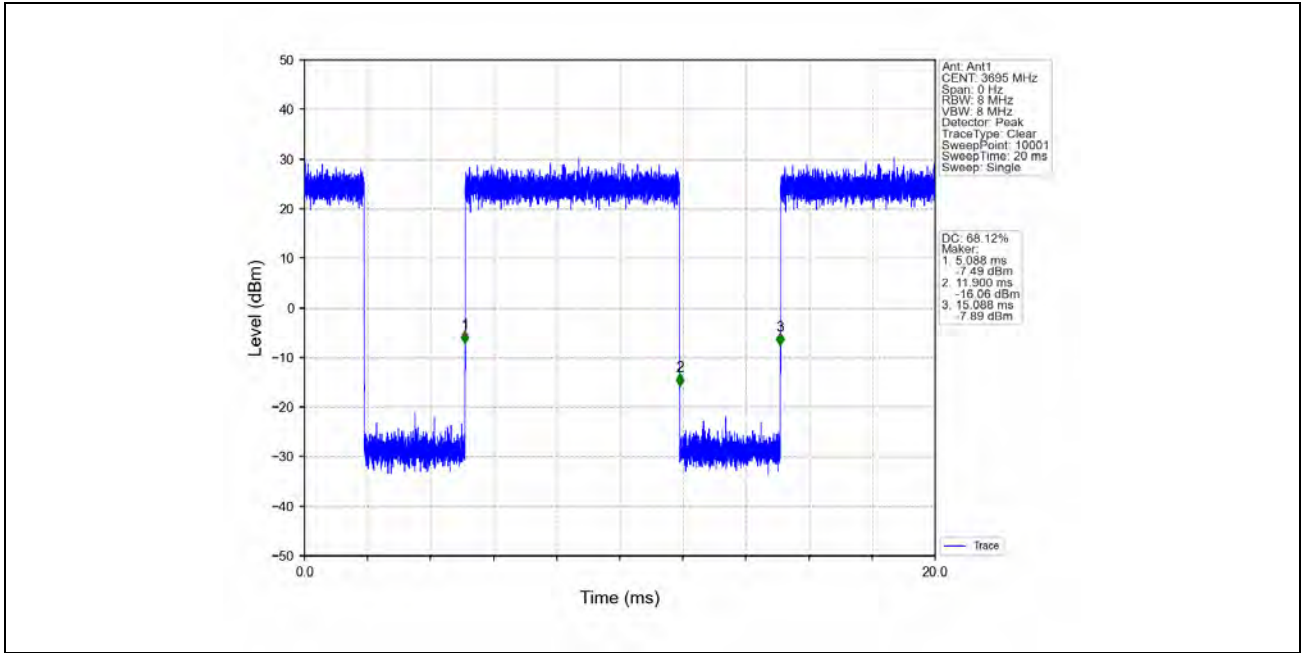
1.1.2 Test Graph

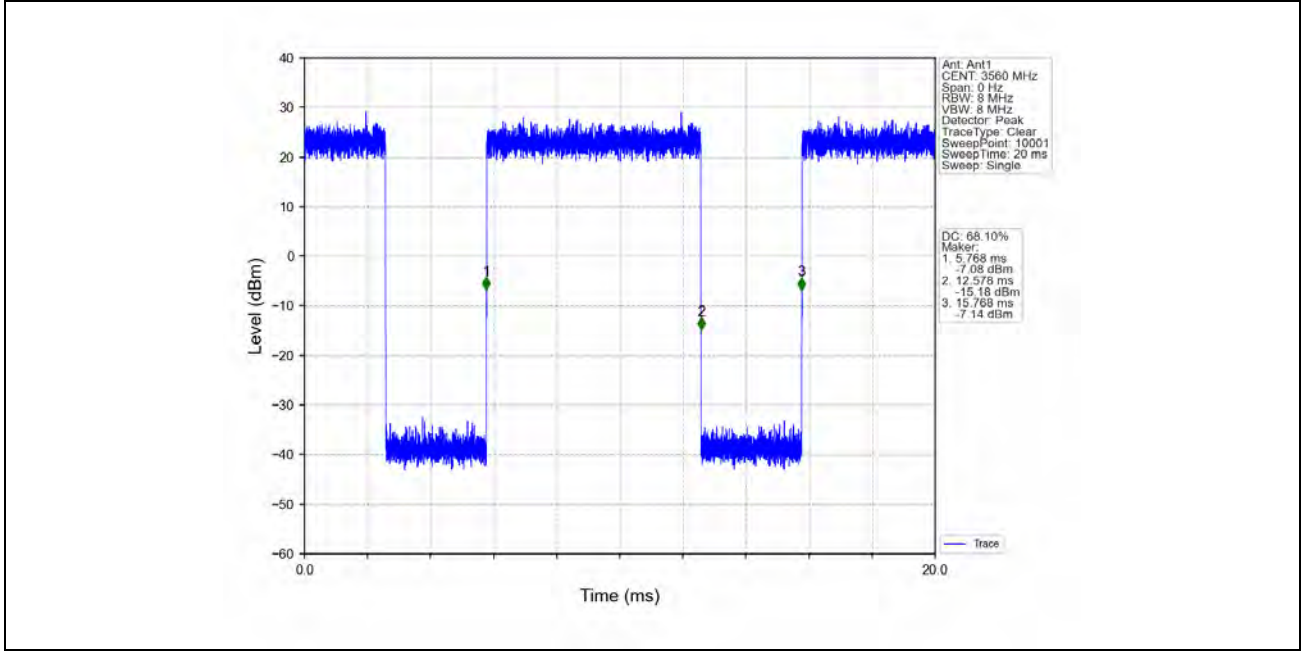
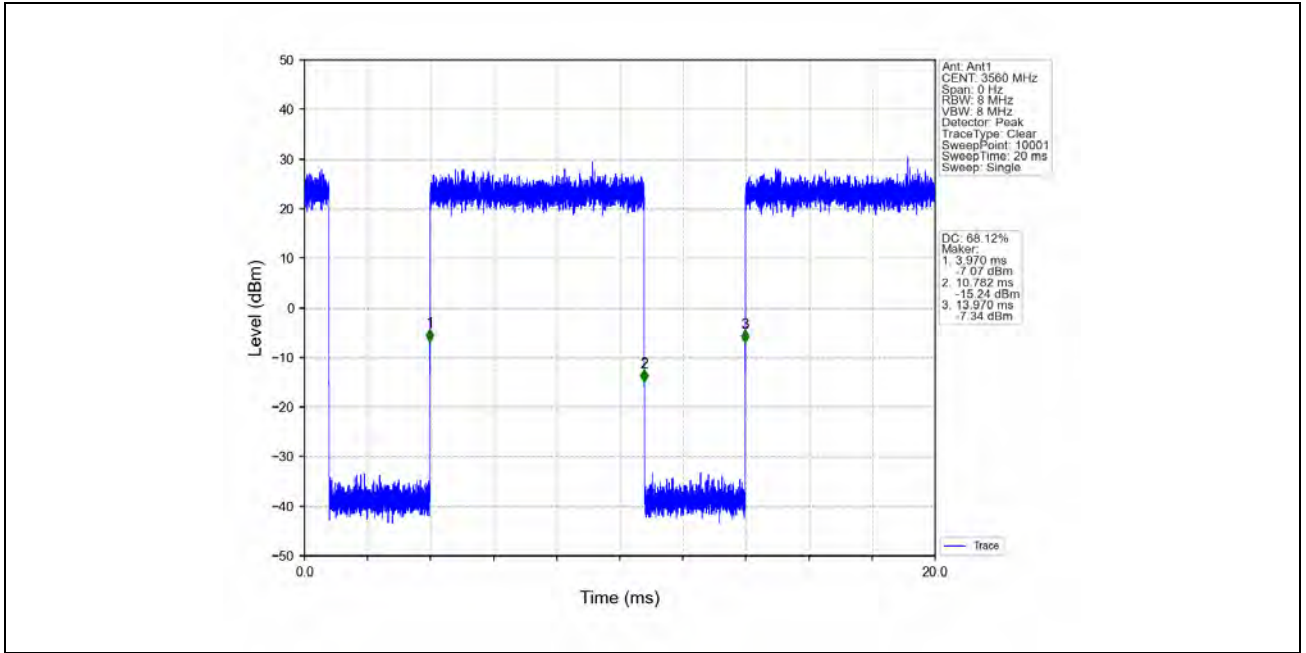


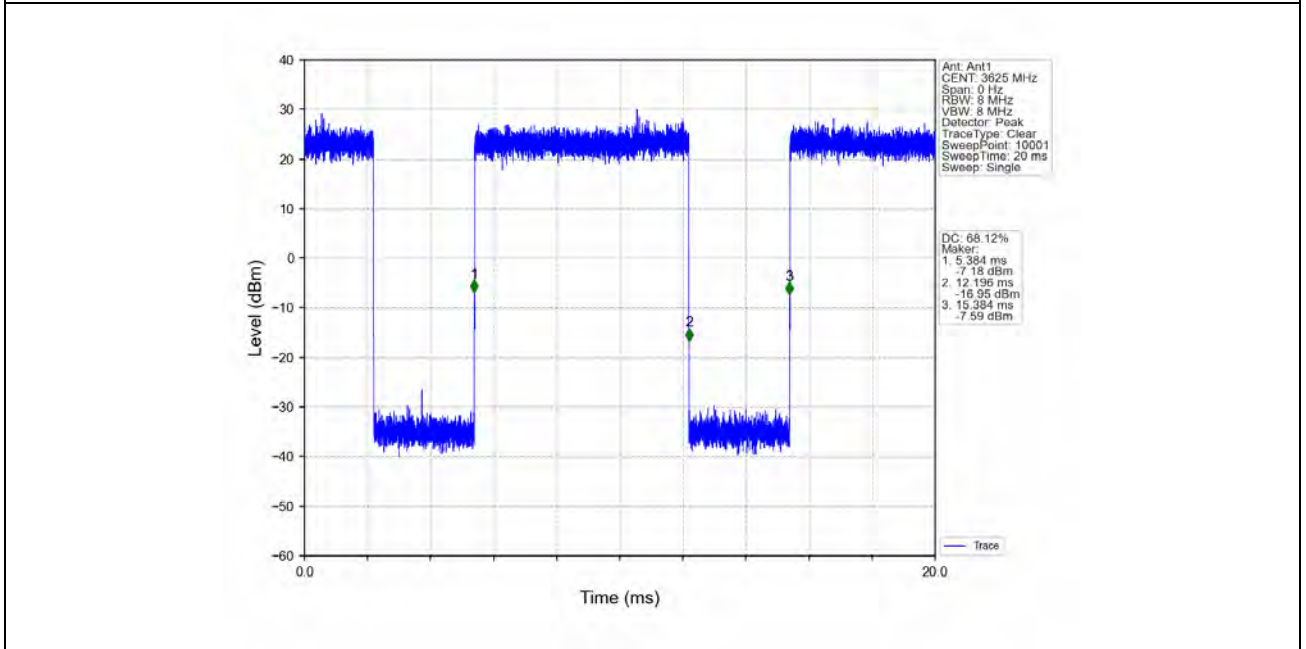
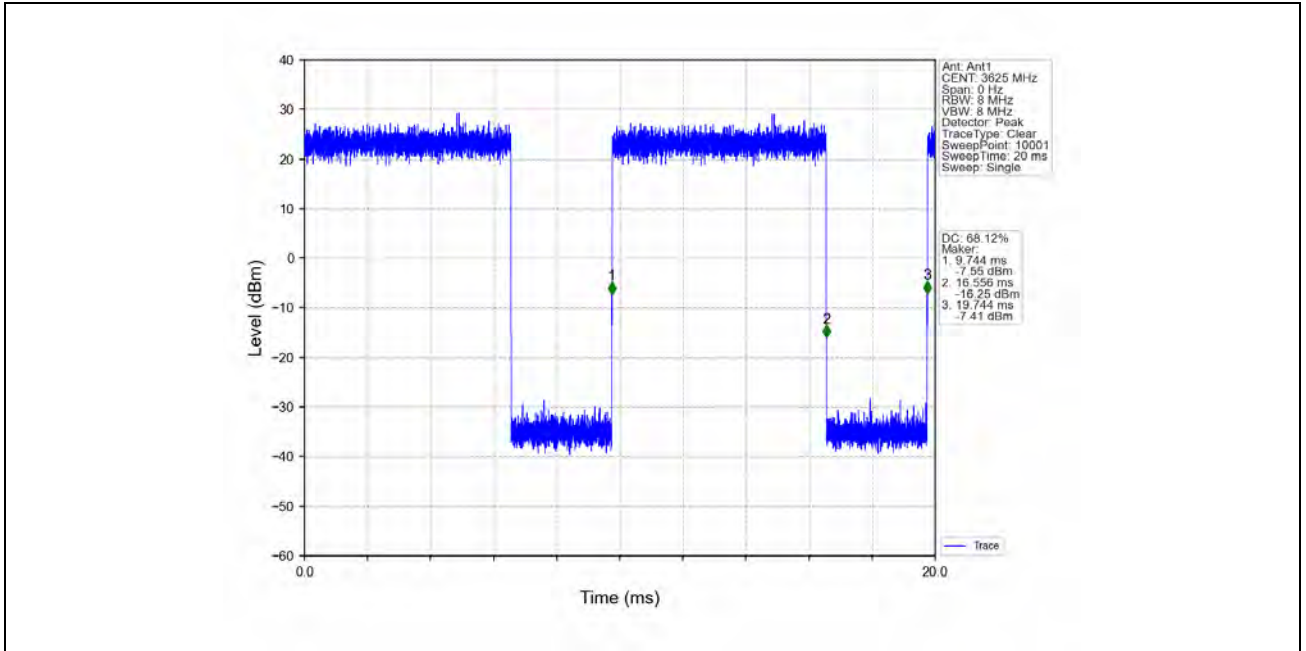


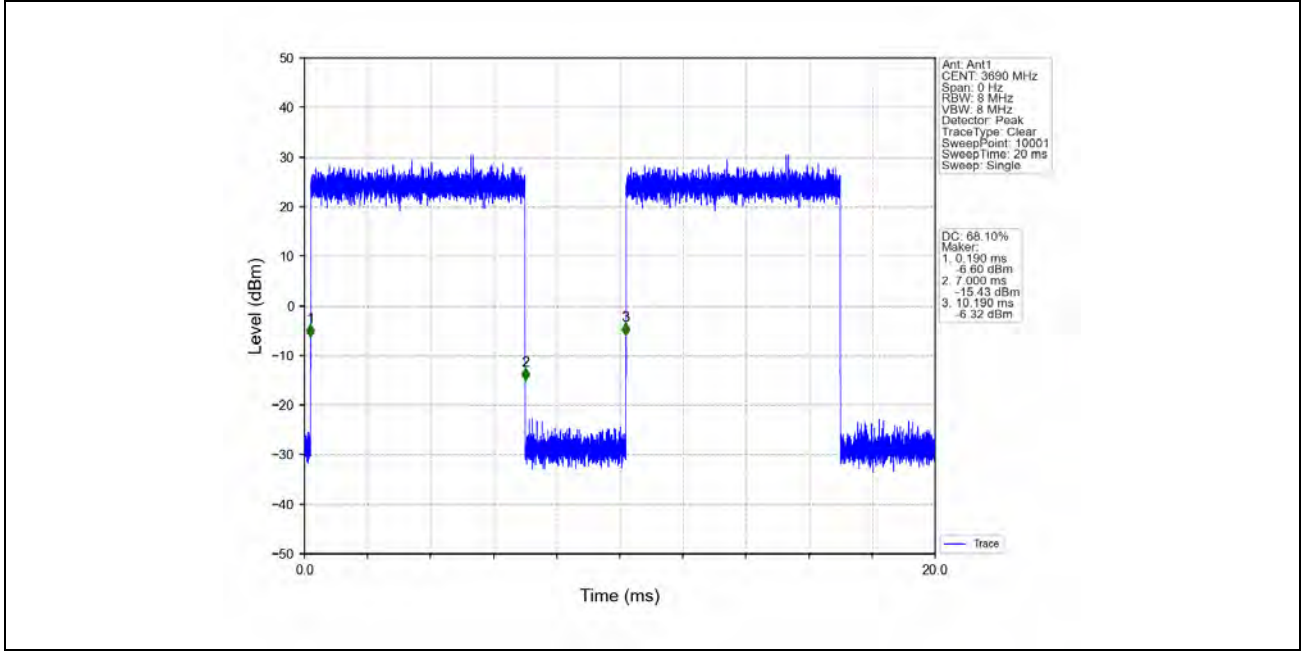
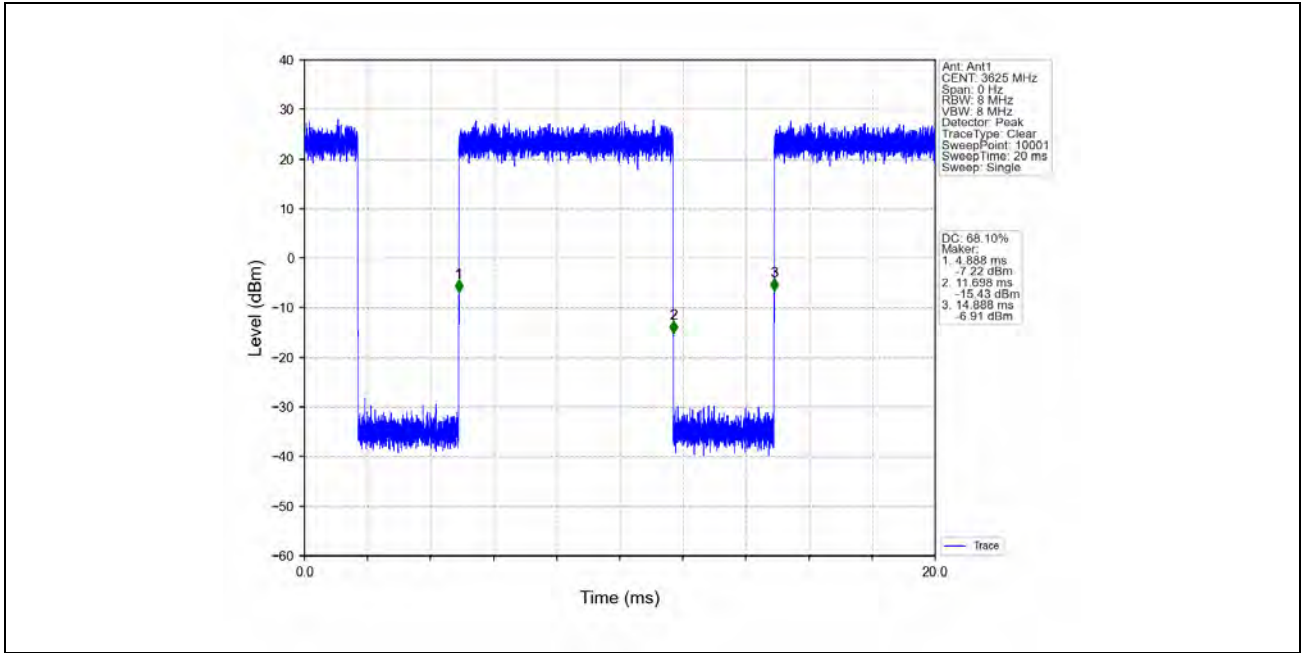


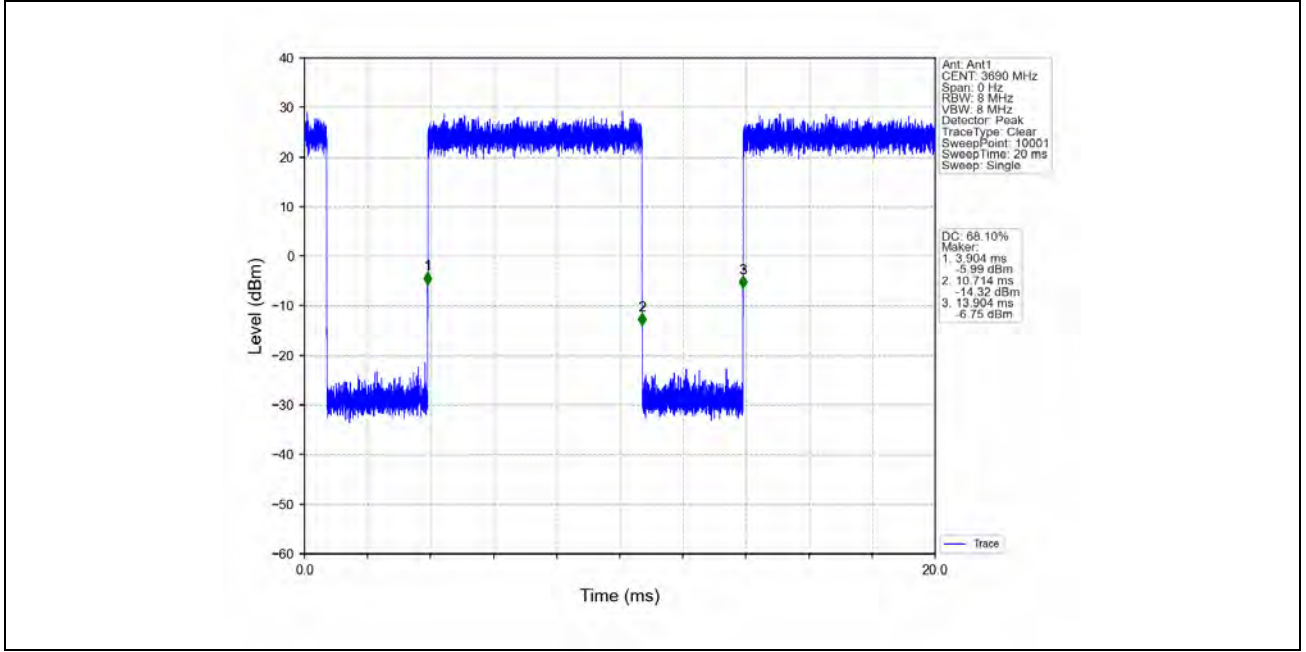
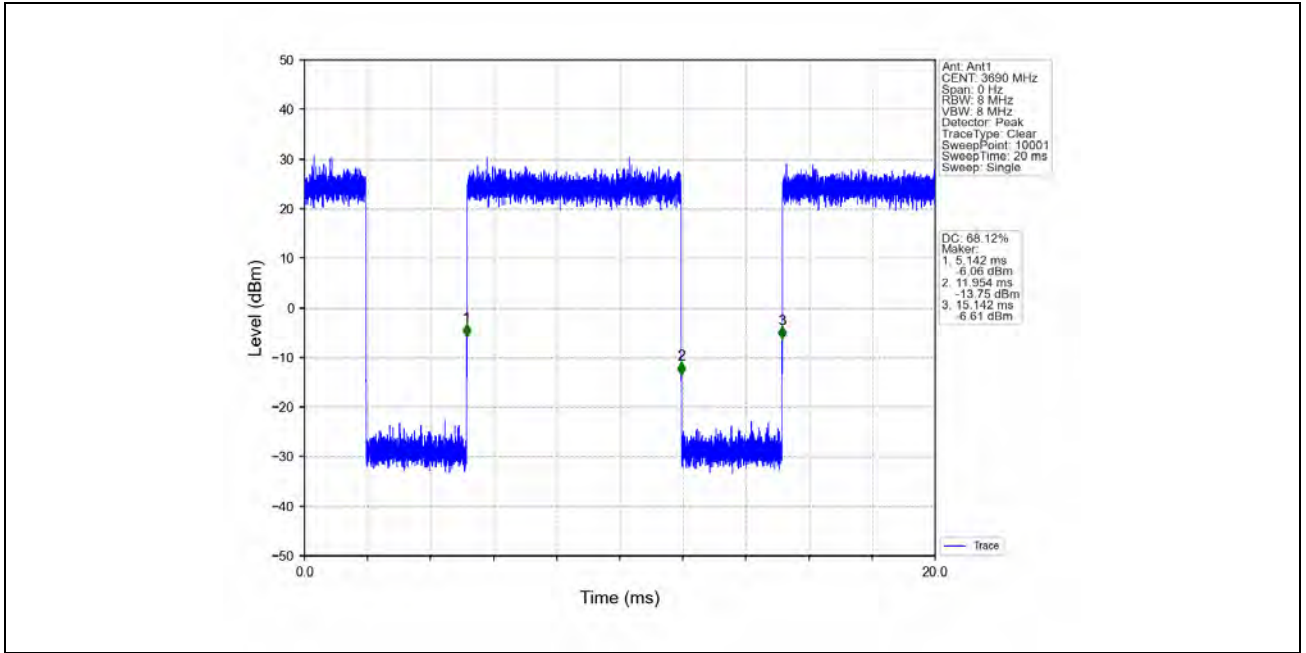












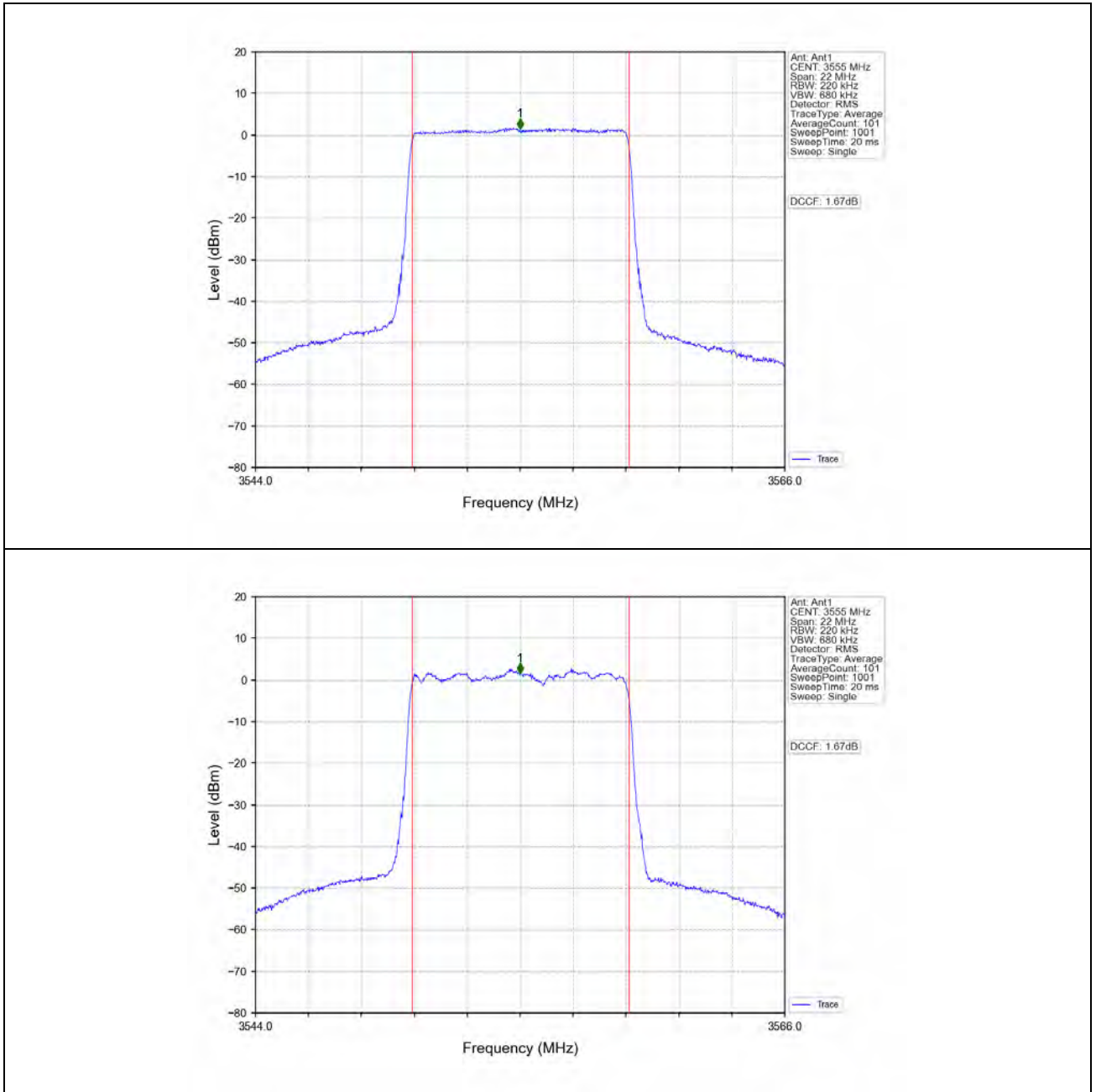
2. Effective (Isotropic) Radiated Power Output Data

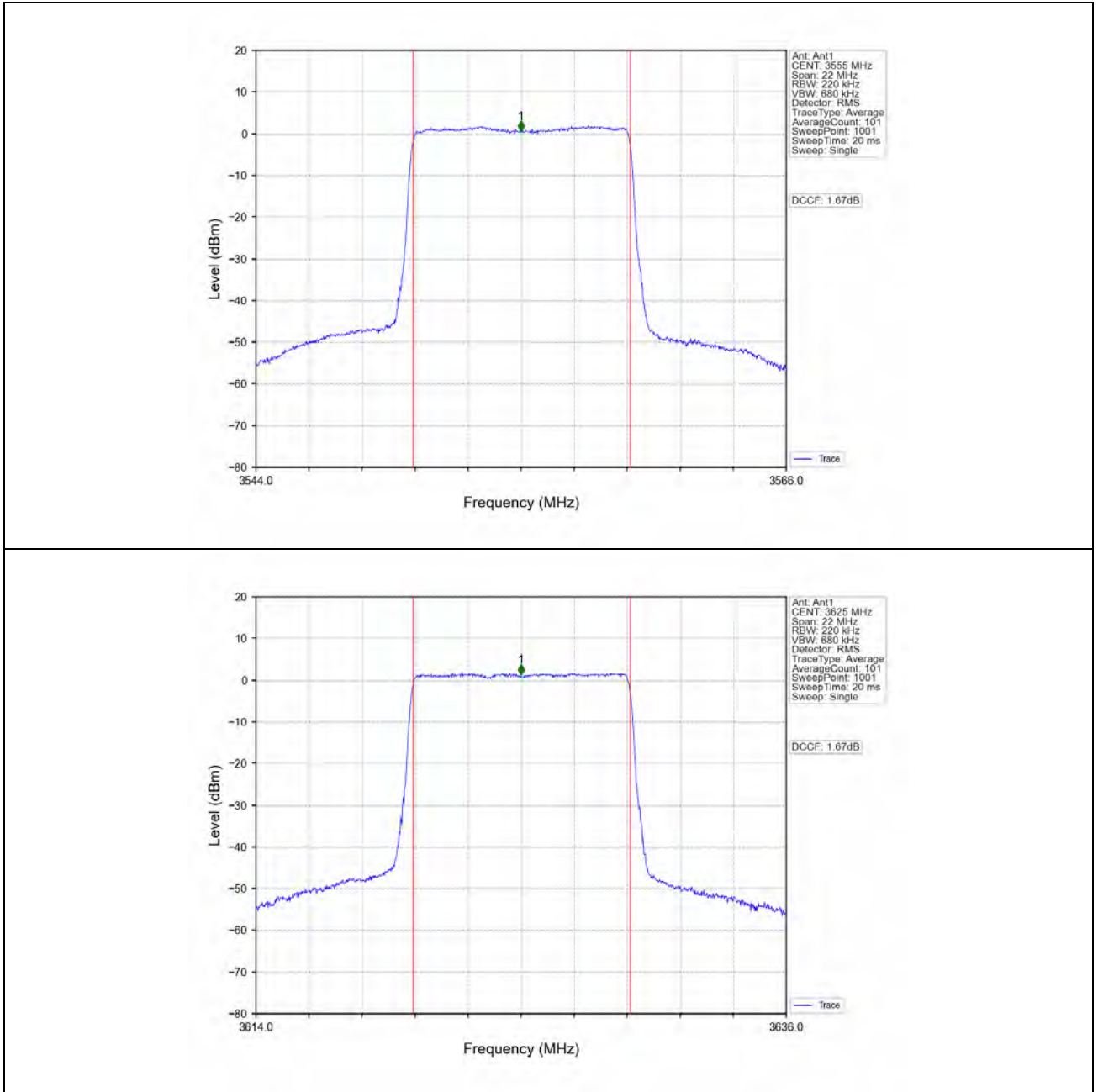
2.1 Single_Power

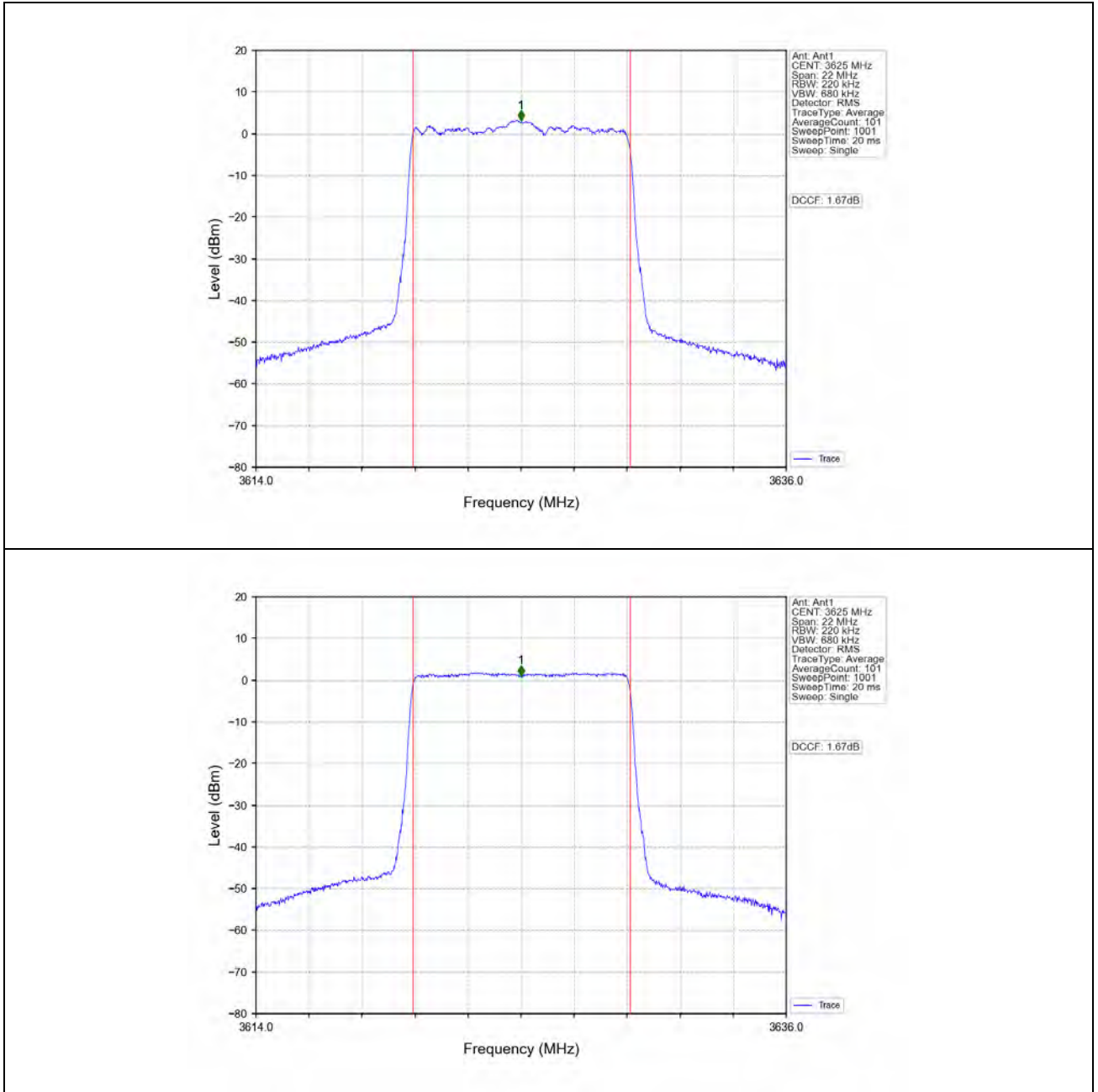
2.1.1 Test Result

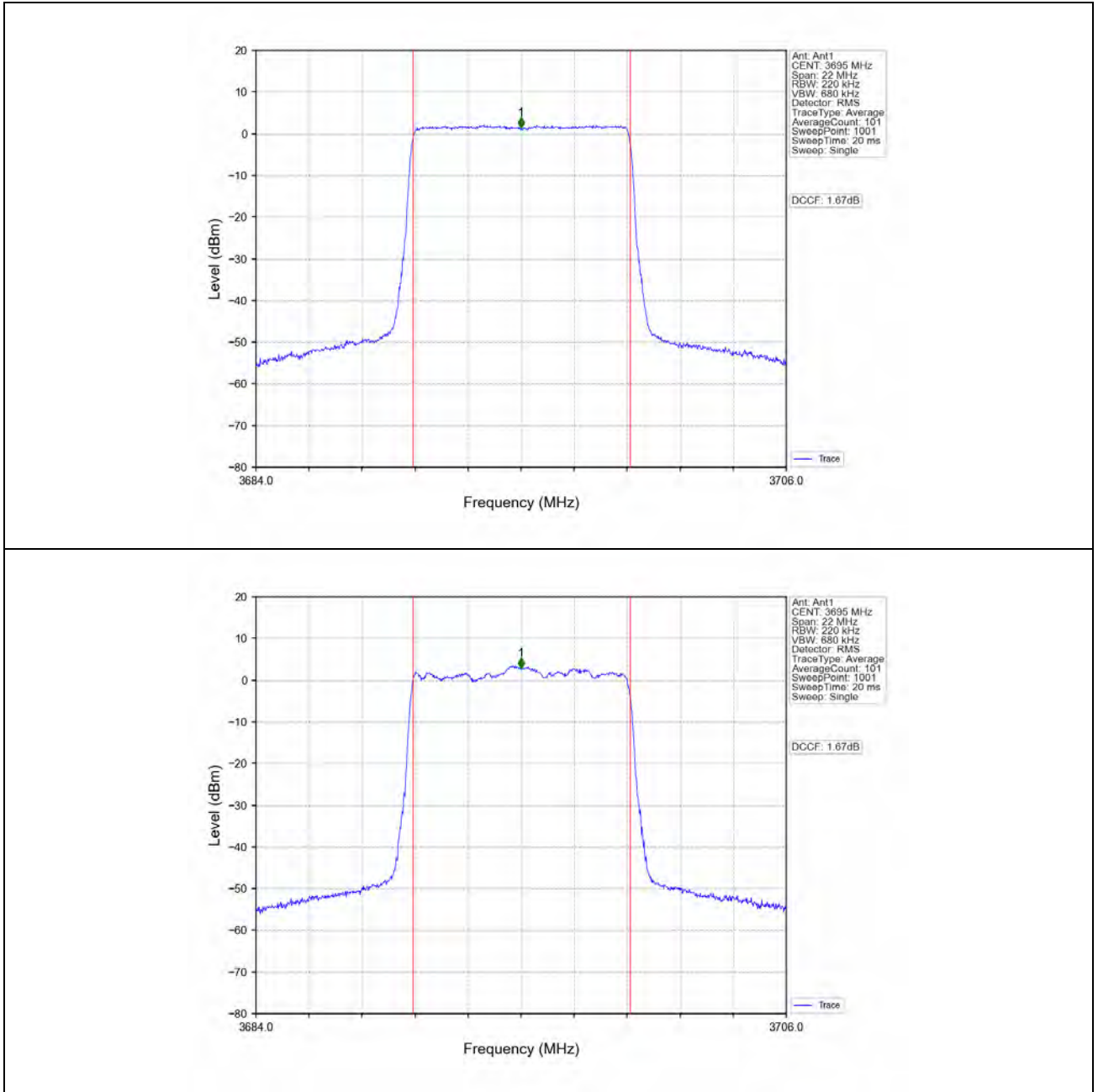
Band 48 Single NTN								
BW (MHz)	DL Frequency (MHz)	Test Mode	Ant No.	Conducted Power (dBm)	EIRP (dBm)		Verdict	
					Total	Limit		
CC1:10	CC1:3555	QPSK	1	18.36	25.36	/	Pass	
			2X2	21.37	28.37	/	Pass	
		16QAM	1	18.33	25.33	/	Pass	
			2X2	21.34	28.34	/	Pass	
		64QAM	1	18.44	25.44	/	Pass	
			2X2	21.45	28.45	/	Pass	
	CC1:3625	QPSK	1	18.59	25.59	/	Pass	
			2X2	21.60	28.60	/	Pass	
		16QAM	1	18.62	25.62	/	Pass	
			2X2	21.63	28.63	/	Pass	
		64QAM	1	18.70	25.70	/	Pass	
			2X2	21.71	28.71	/	Pass	
	CC1:3695	QPSK	1	18.93	25.93	/	Pass	
			2X2	21.94	28.94	/	Pass	
		16QAM	1	18.96	25.96	/	Pass	
			2X2	21.97	28.97	/	Pass	
		64QAM	1	18.96	25.96	/	Pass	
			2X2	21.97	28.97	/	Pass	
	CC1:20	CC1:3560	QPSK	1	20.41	27.41	/	Pass
				2X2	23.42	30.42	/	Pass
			16QAM	1	20.31	27.31	/	Pass
				2X2	23.32	30.32	/	Pass
			64QAM	1	20.33	27.33	/	Pass
				2X2	23.34	30.34	/	Pass
CC1:3625		QPSK	1	20.45	27.45	/	Pass	
			2X2	23.46	30.46	/	Pass	
		16QAM	1	20.49	27.49	/	Pass	
			2X2	23.50	30.50	/	Pass	
		64QAM	1	20.49	27.49	/	Pass	
			2X2	23.50	30.50	/	Pass	
CC1:3690		QPSK	1	20.96	27.96	/	Pass	
			2X2	23.97	30.97	/	Pass	
		16QAM	1	20.94	27.94	/	Pass	
			2X2	23.95	30.95	/	Pass	
		64QAM	1	20.91	27.91	/	Pass	
			2X2	23.92	30.92	/	Pass	

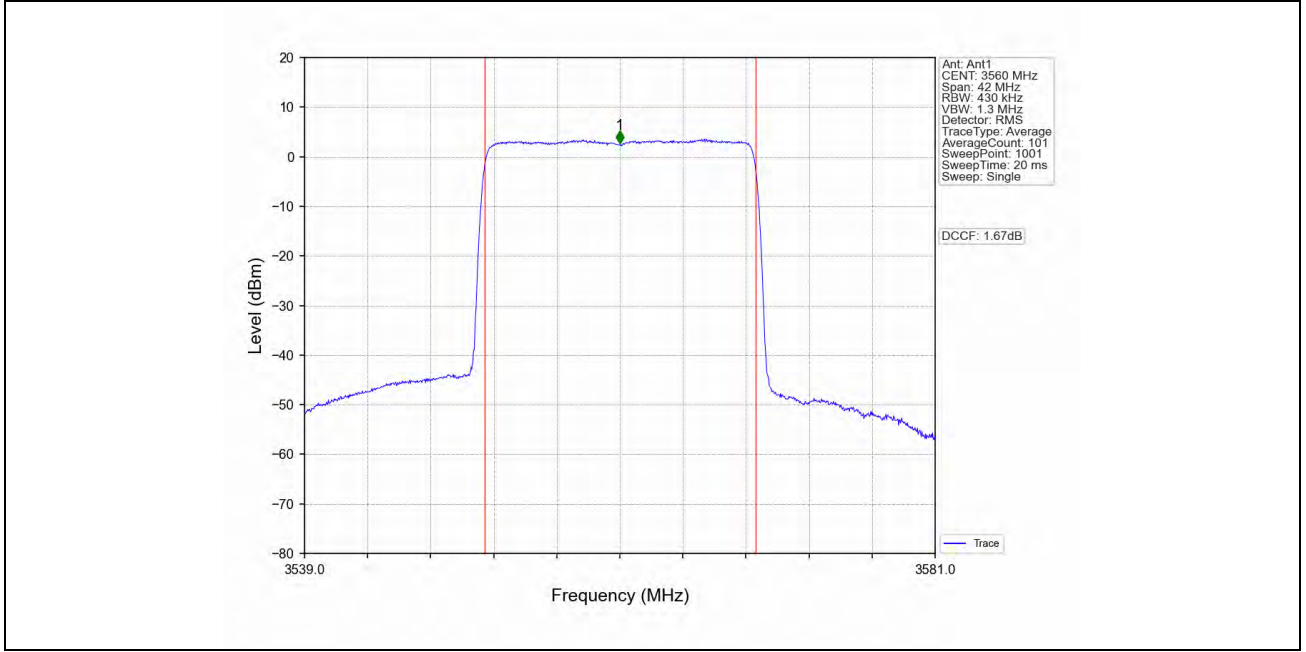
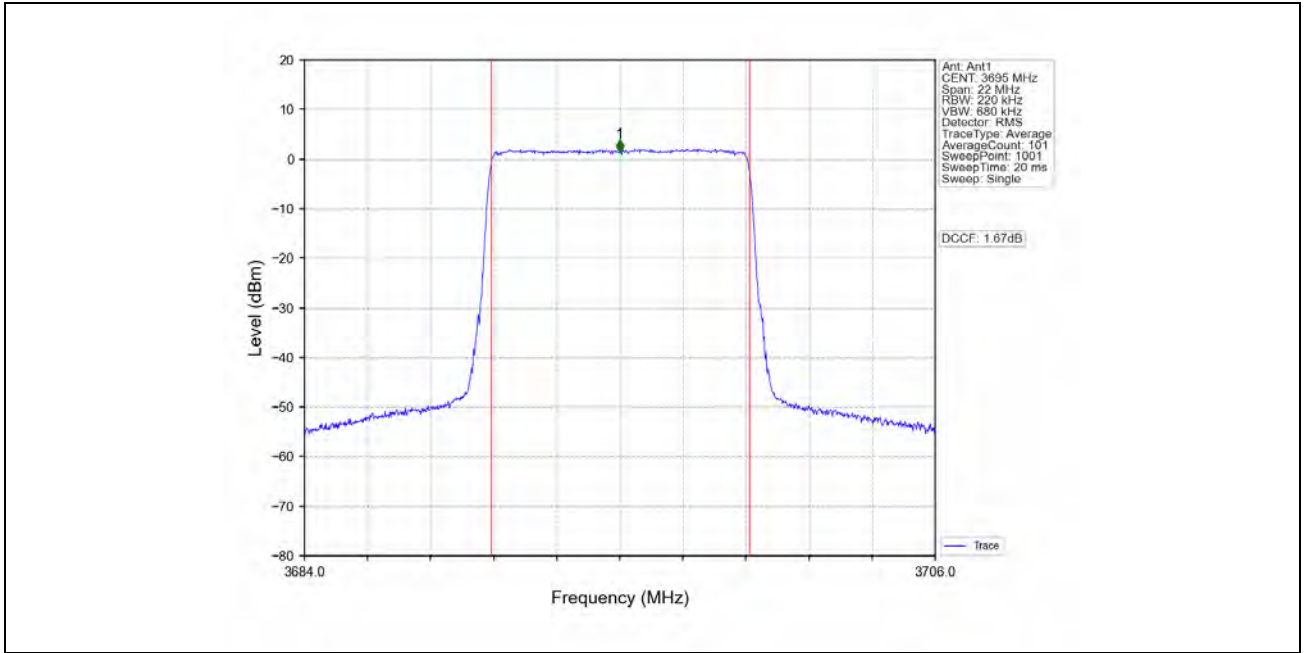
2.1.2 Test Graph

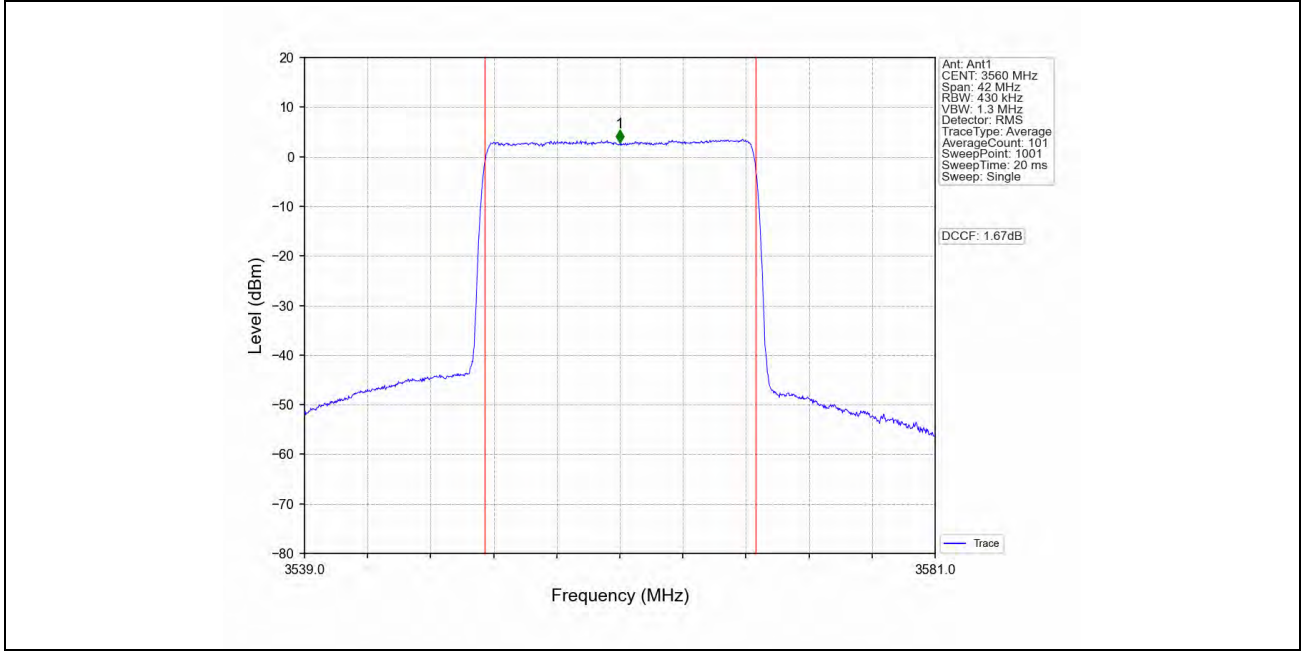
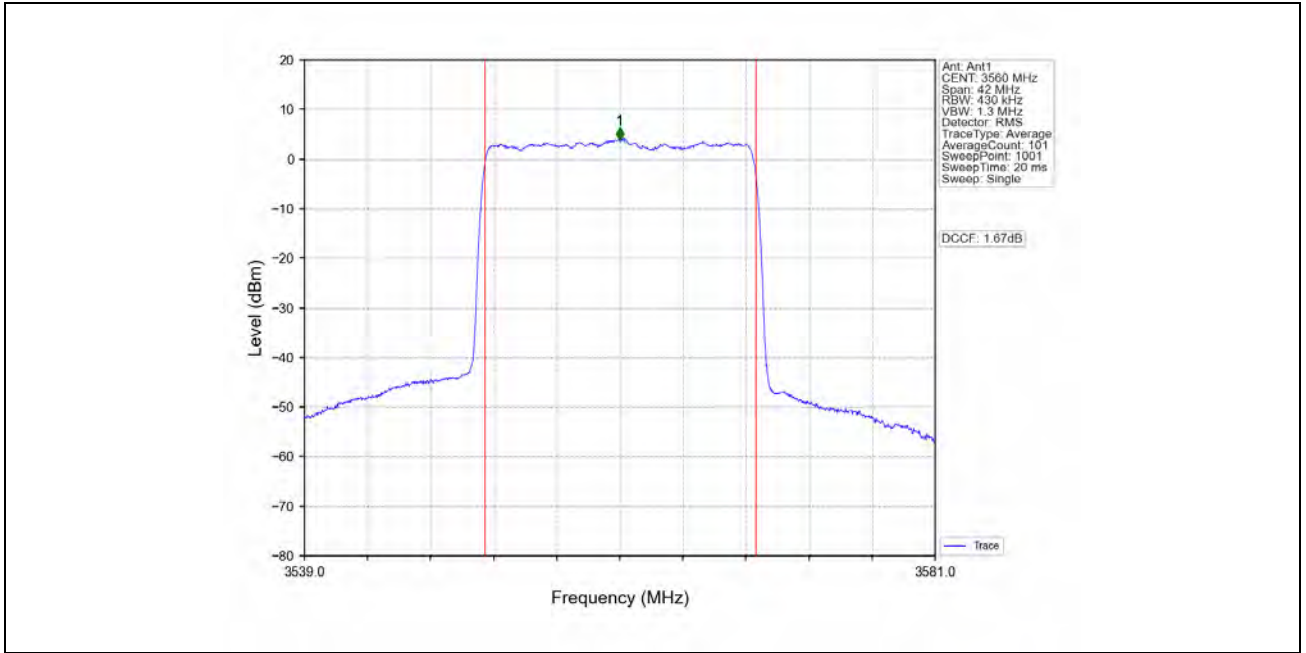


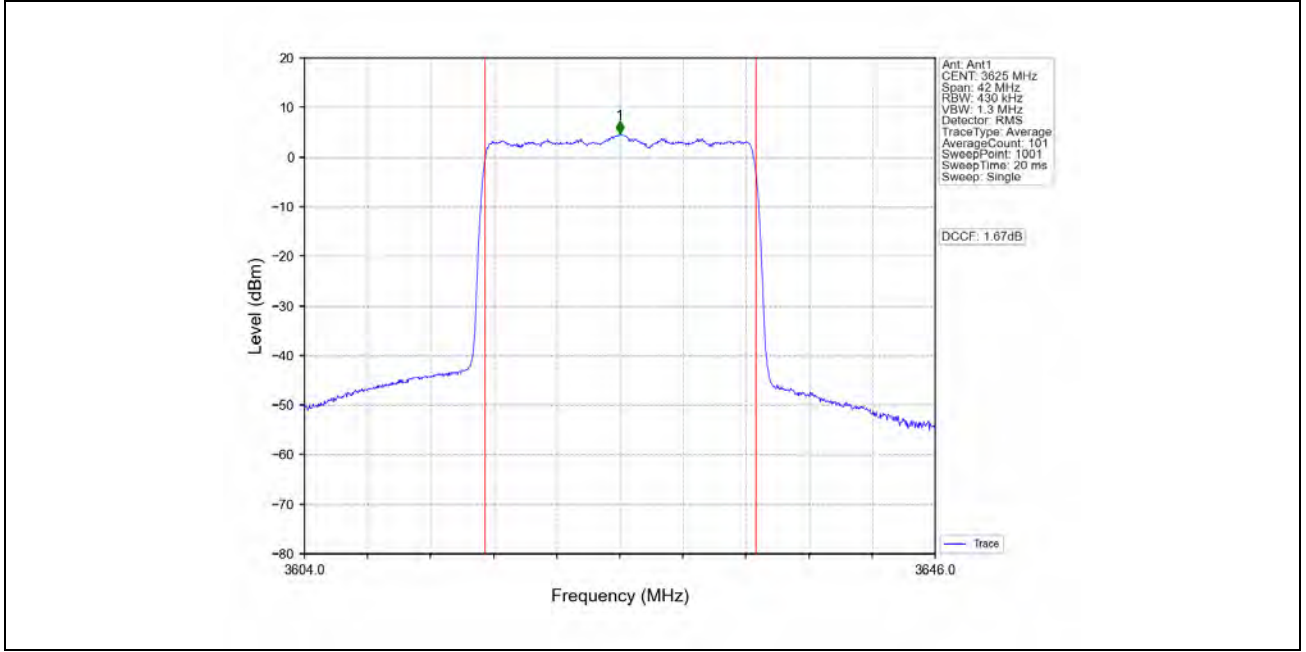
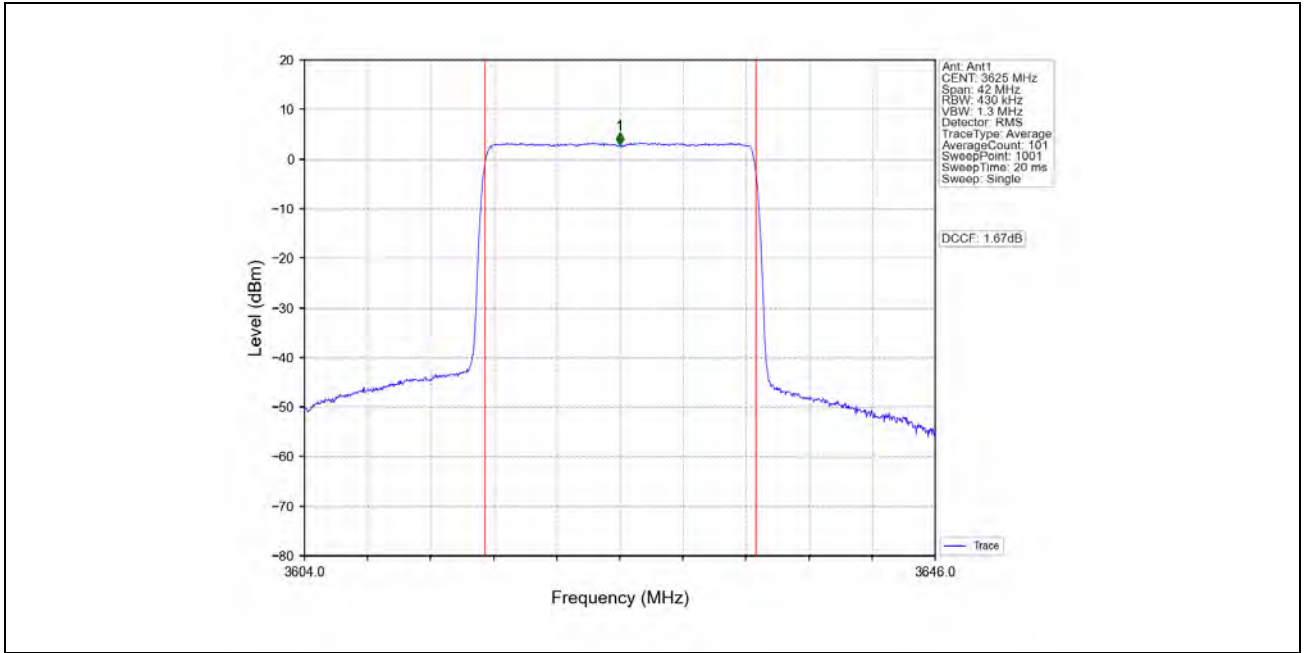


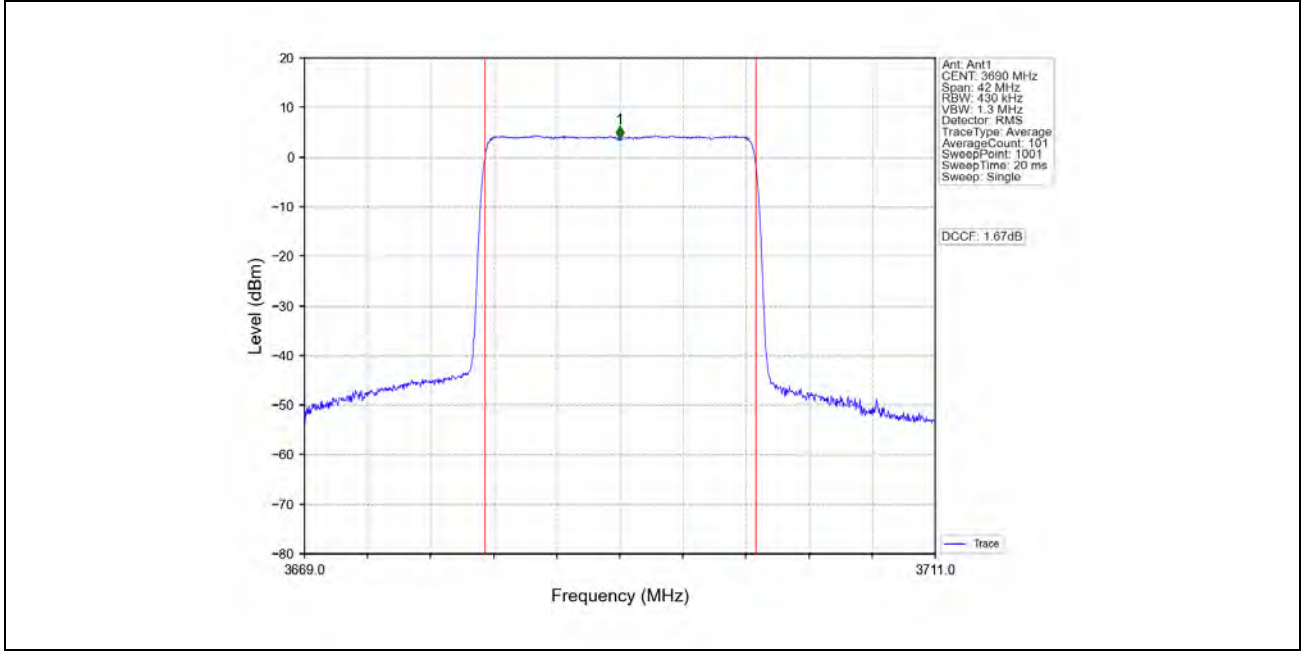
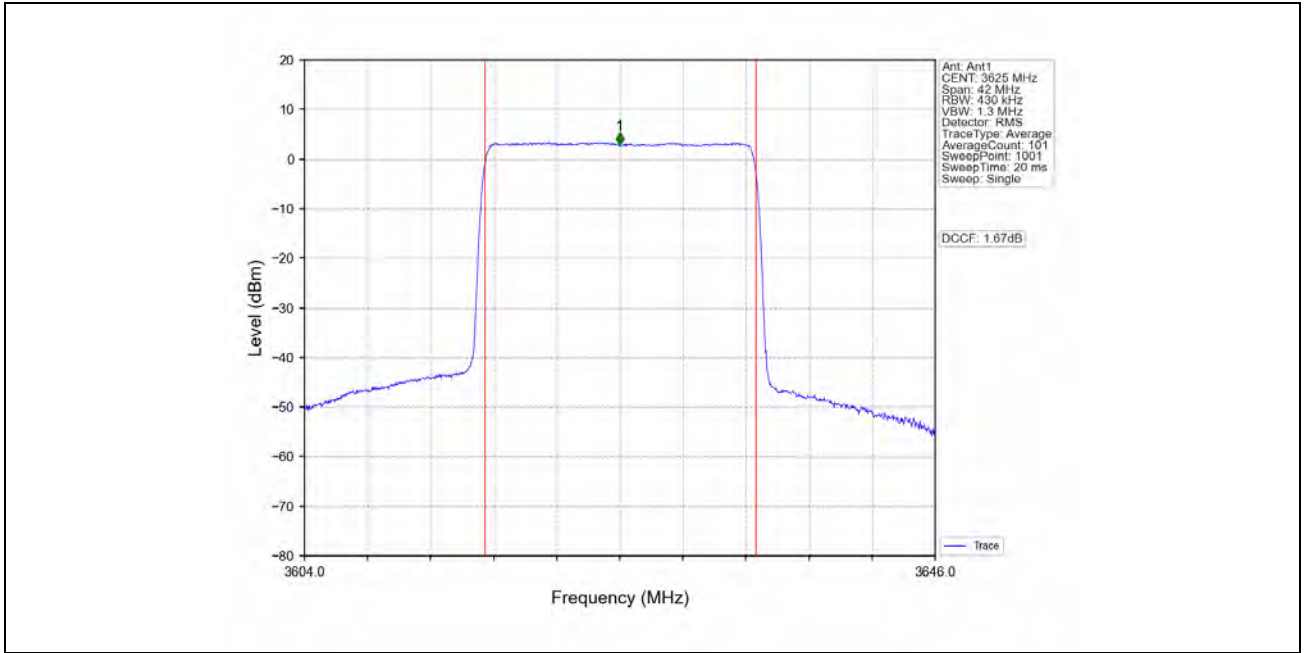


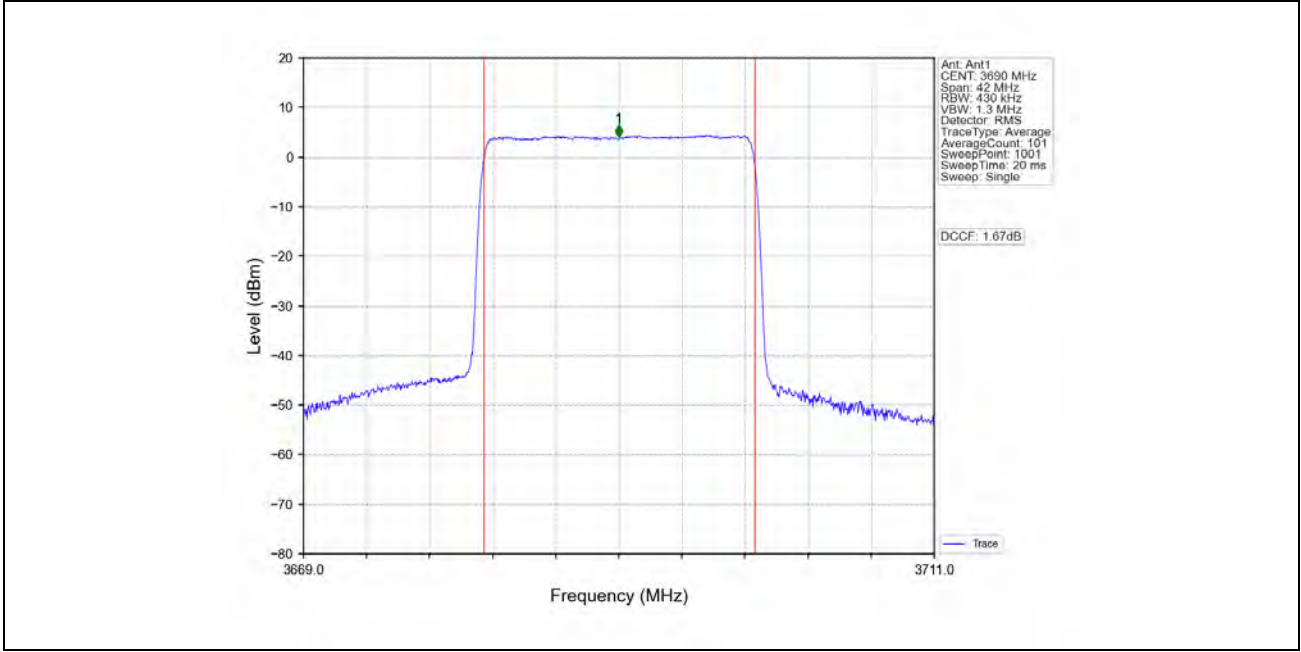
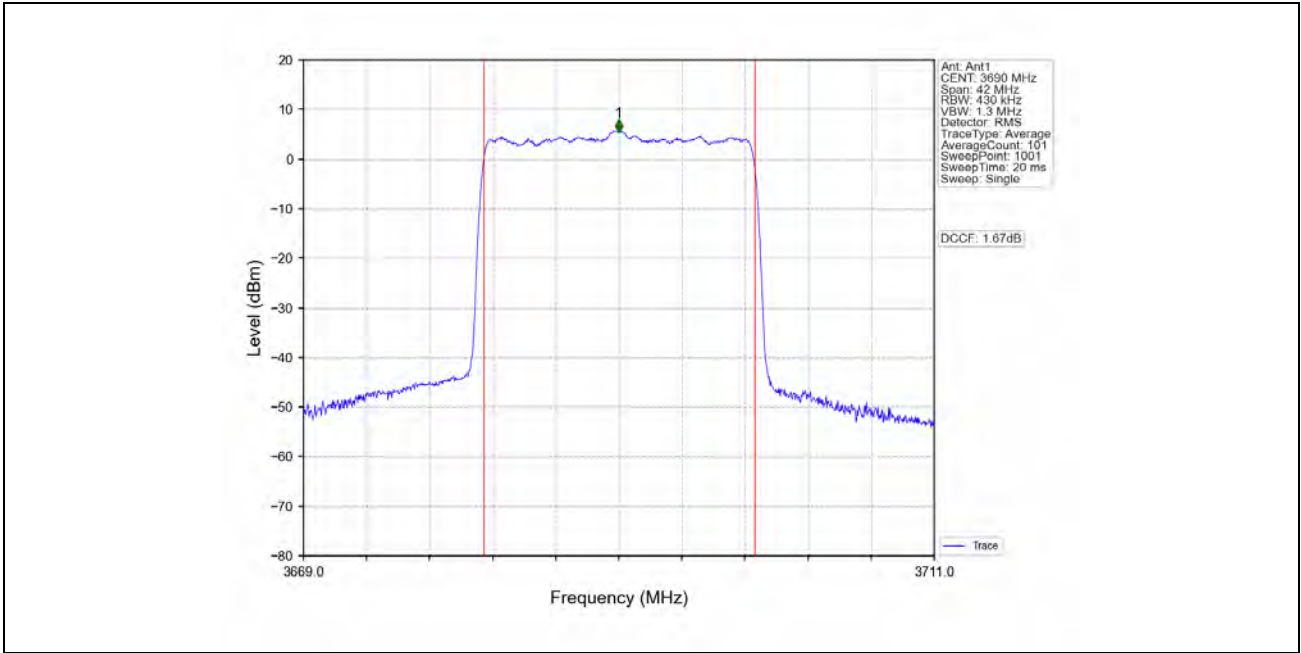










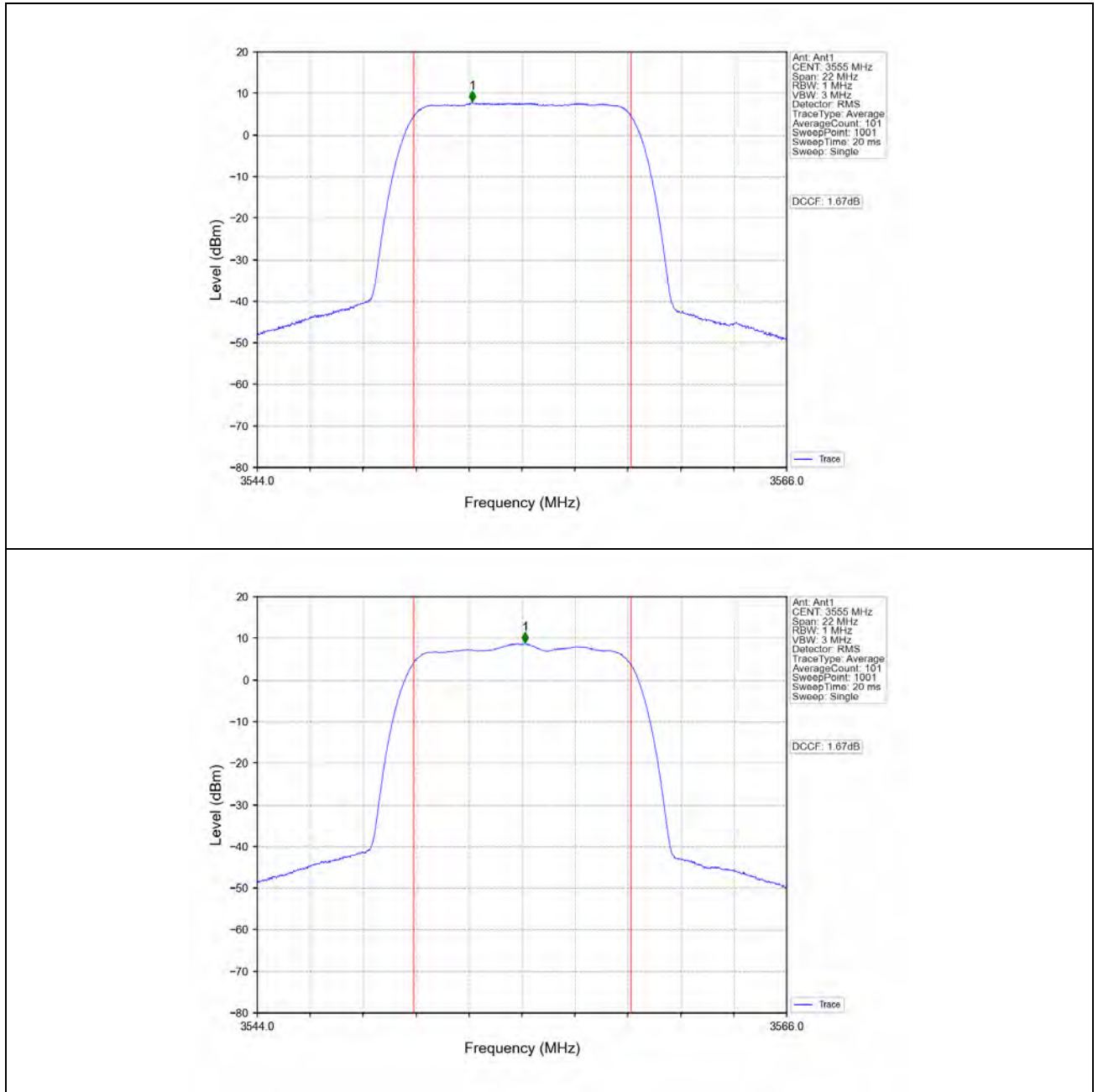


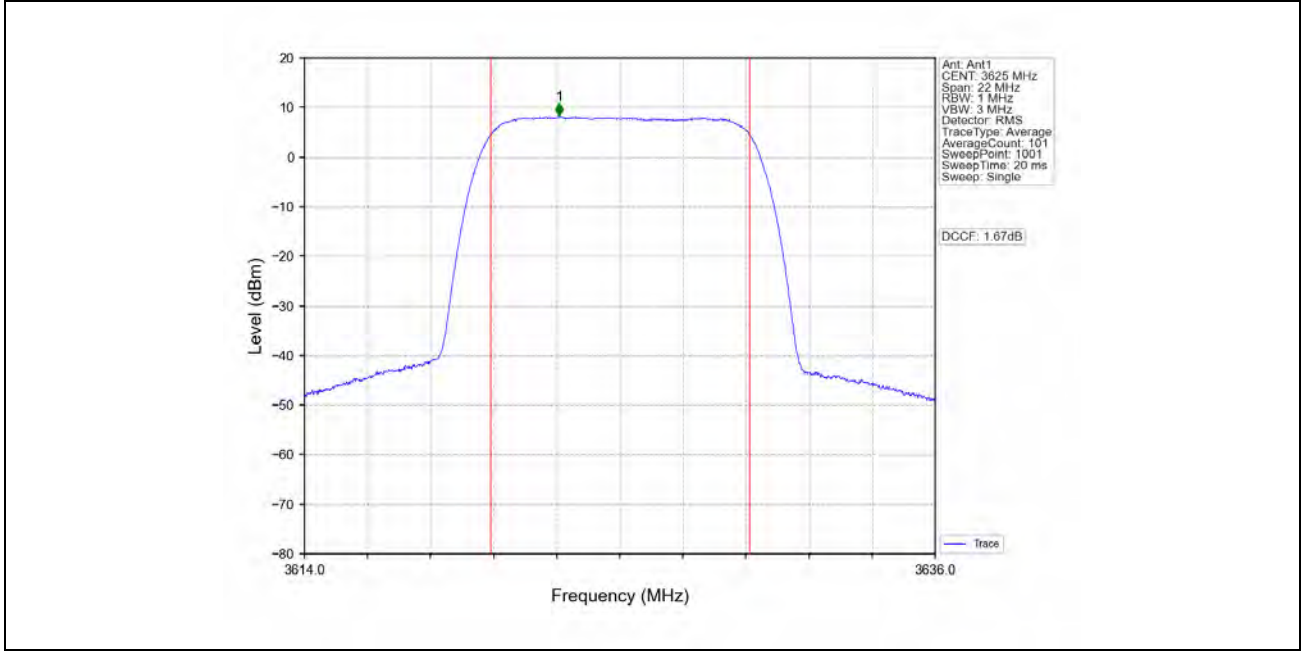
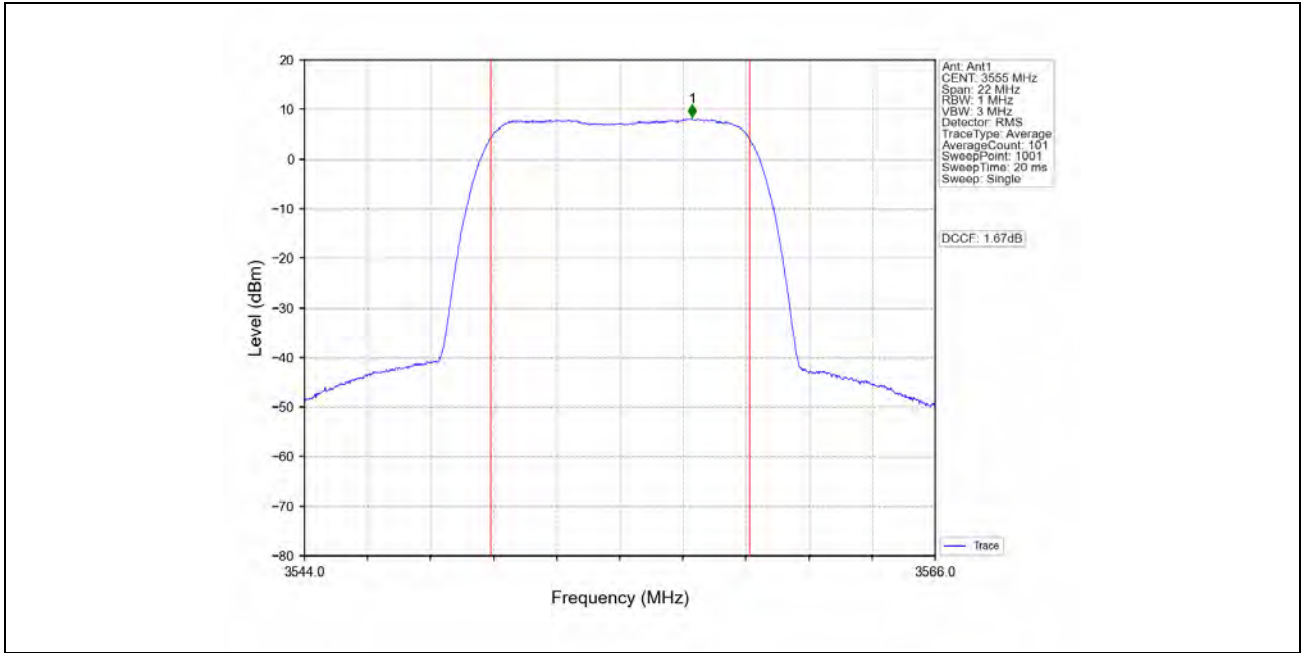
2.2 Single_Power2

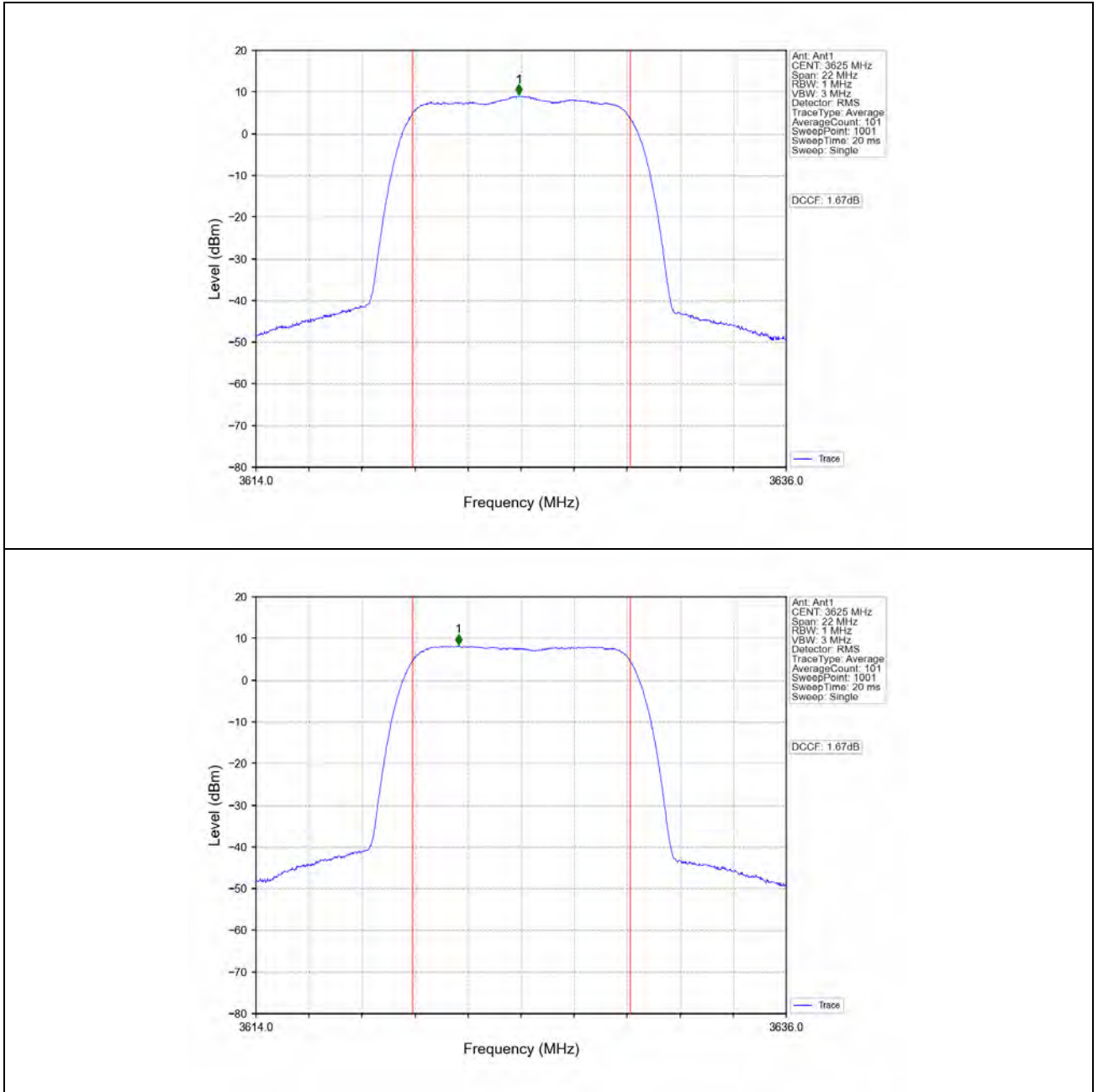
2.2.1 Test Result

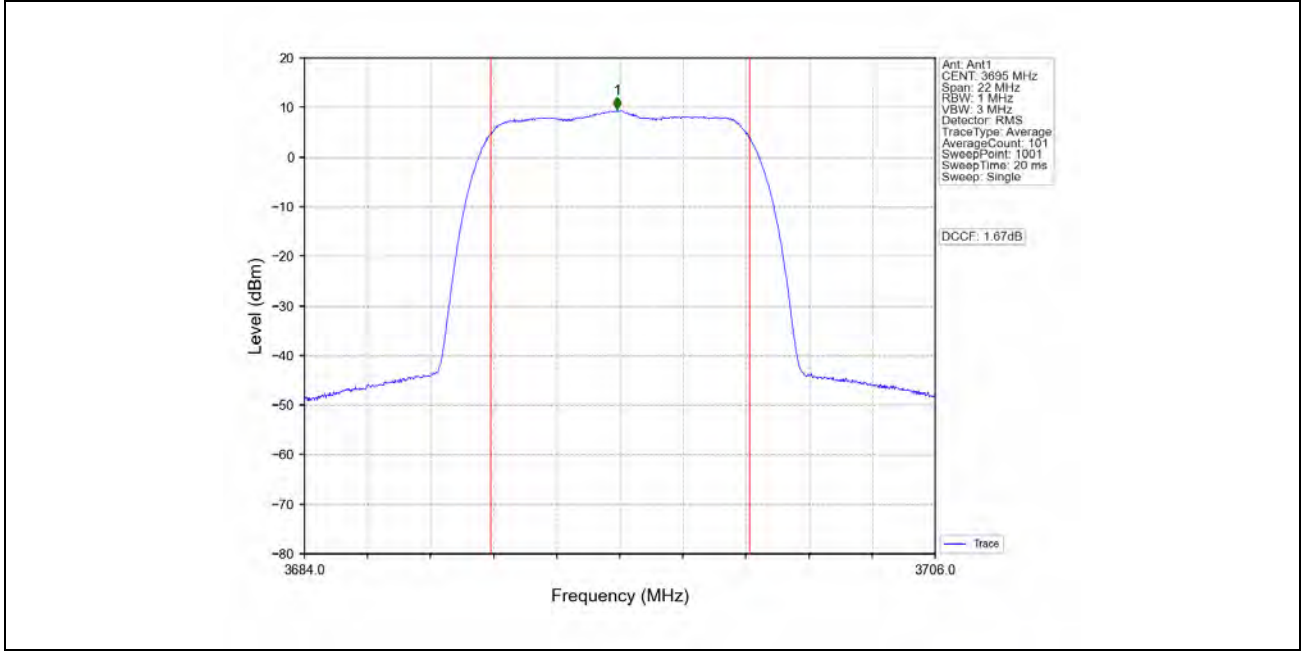
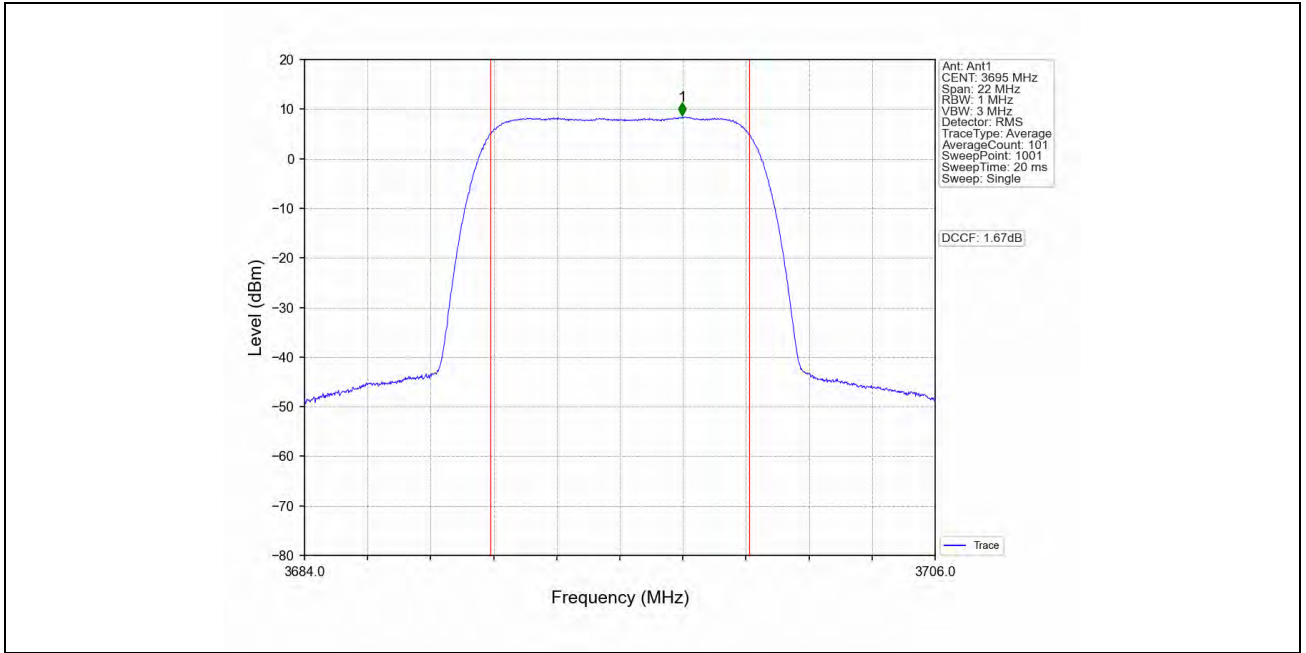
Band 48 Single NTN								
BW (MHz)	DL Frequency (MHz)	Test Mode	Ant No.	Conducted Power (dBm/MHz)	EIRP (dBm/MHz)		Verdict	
					Total	Limit		
CC1:10	CC1:3555	QPSK	1	9.45	16.45	<=20	Pass	
			2X2	12.46	19.46	<=20	Pass	
		16QAM	1	9.84	16.84	<=20	Pass	
			2X2	12.85	19.85	<=20	Pass	
		64QAM	1	9.80	16.80	<=20	Pass	
			2X2	12.81	19.81	<=20	Pass	
	CC1:3625	QPSK	1	9.76	16.76	<=20	Pass	
			2X2	12.77	19.77	<=20	Pass	
		16QAM	1	9.91	16.91	<=20	Pass	
			2X2	12.92	19.92	<=20	Pass	
		64QAM	1	9.89	16.89	<=20	Pass	
			2X2	12.90	19.90	<=20	Pass	
	CC1:3695	QPSK	1	9.84	16.84	<=20	Pass	
			2X2	12.85	19.85	<=20	Pass	
		16QAM	1	9.93	16.93	<=20	Pass	
			2X2	12.94	19.94	<=20	Pass	
		64QAM	1	9.86	16.86	<=20	Pass	
			2X2	12.87	19.87	<=20	Pass	
	CC1:20	CC1:3560	QPSK	1	8.61	15.61	<=20	Pass
				2X2	11.62	18.62	<=20	Pass
			16QAM	1	8.93	15.93	<=20	Pass
				2X2	11.94	18.94	<=20	Pass
			64QAM	1	8.63	15.63	<=20	Pass
				2X2	11.64	18.64	<=20	Pass
CC1:3625		QPSK	1	8.67	15.67	<=20	Pass	
			2X2	11.68	18.68	<=20	Pass	
		16QAM	1	9.02	16.02	<=20	Pass	
			2X2	12.03	19.03	<=20	Pass	
		64QAM	1	8.81	15.81	<=20	Pass	
			2X2	11.82	18.82	<=20	Pass	
CC1:3690		QPSK	1	9.33	16.33	<=20	Pass	
			2X2	12.34	19.34	<=20	Pass	
		16QAM	1	9.69	16.69	<=20	Pass	
			2X2	12.70	19.70	<=20	Pass	
		64QAM	1	9.58	16.58	<=20	Pass	
			2X2	12.59	19.59	<=20	Pass	

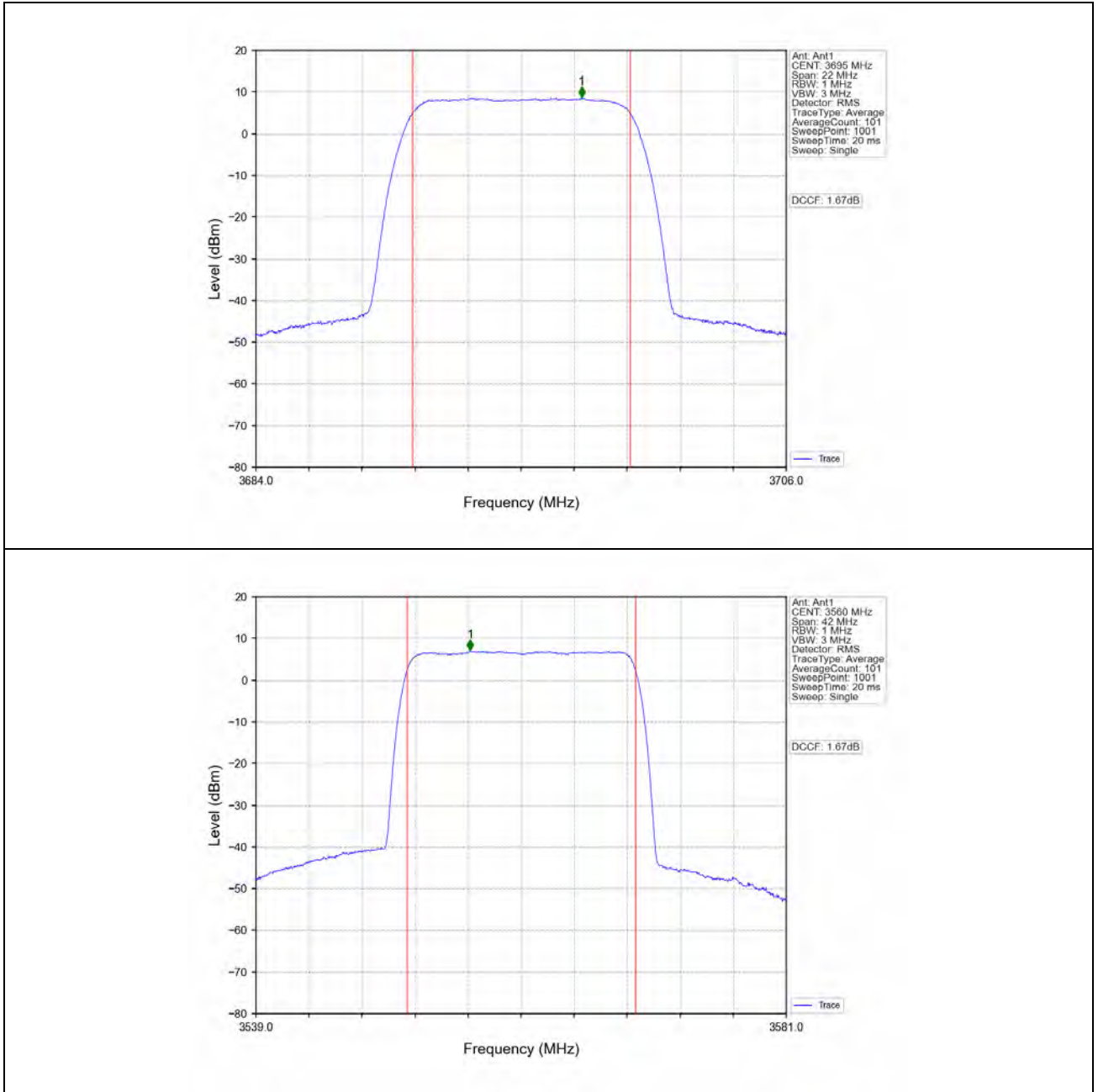
2.2.2 Test Graph

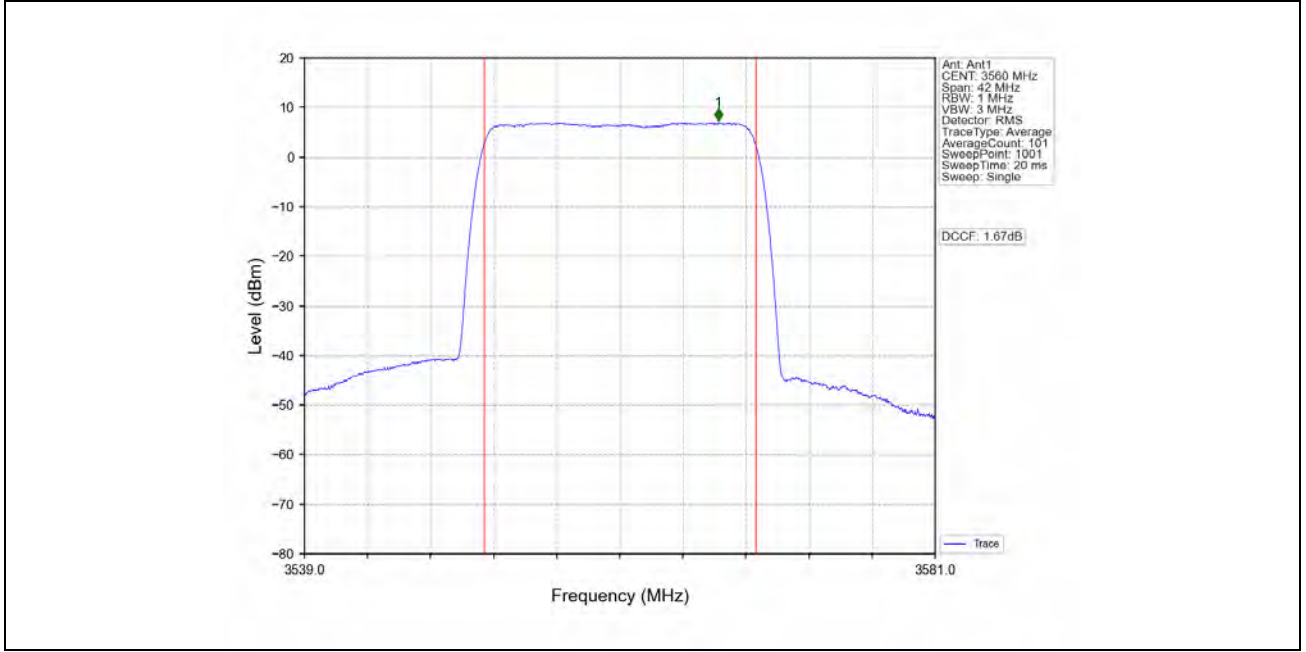
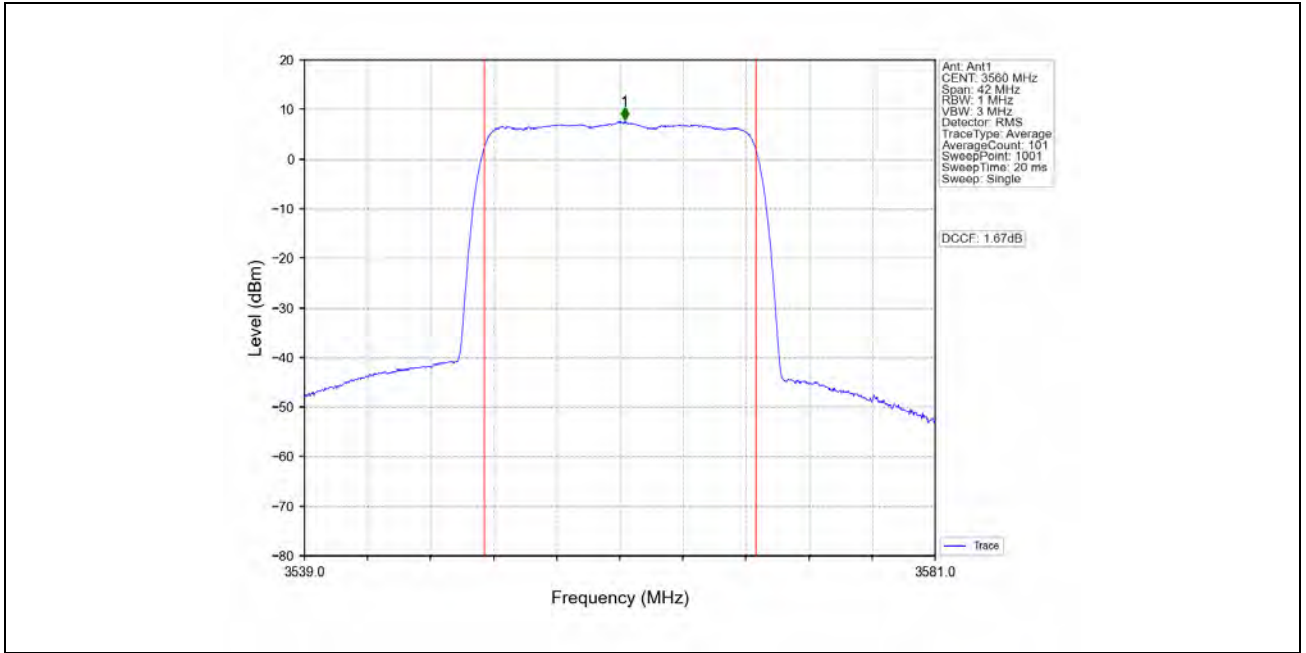


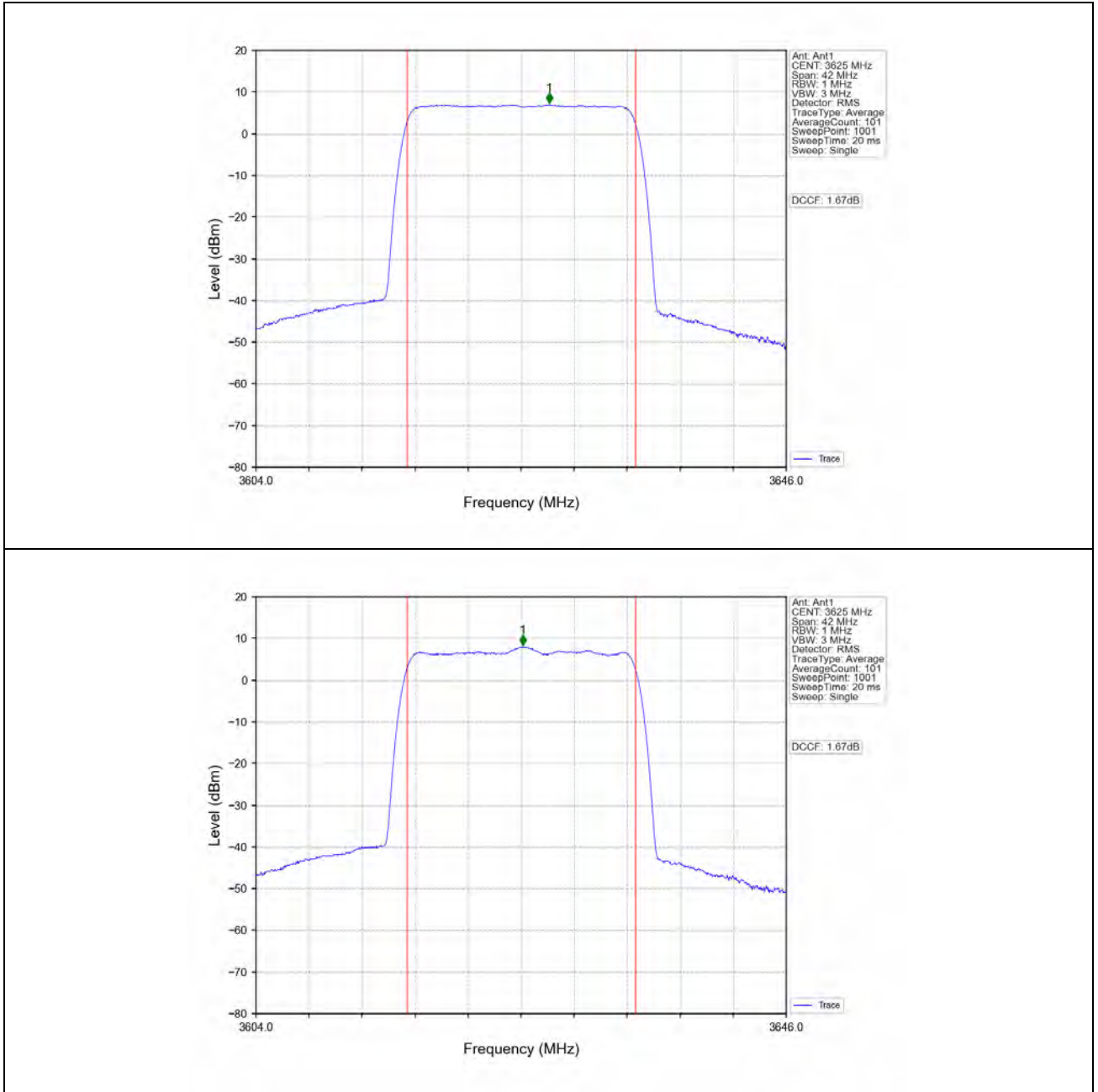


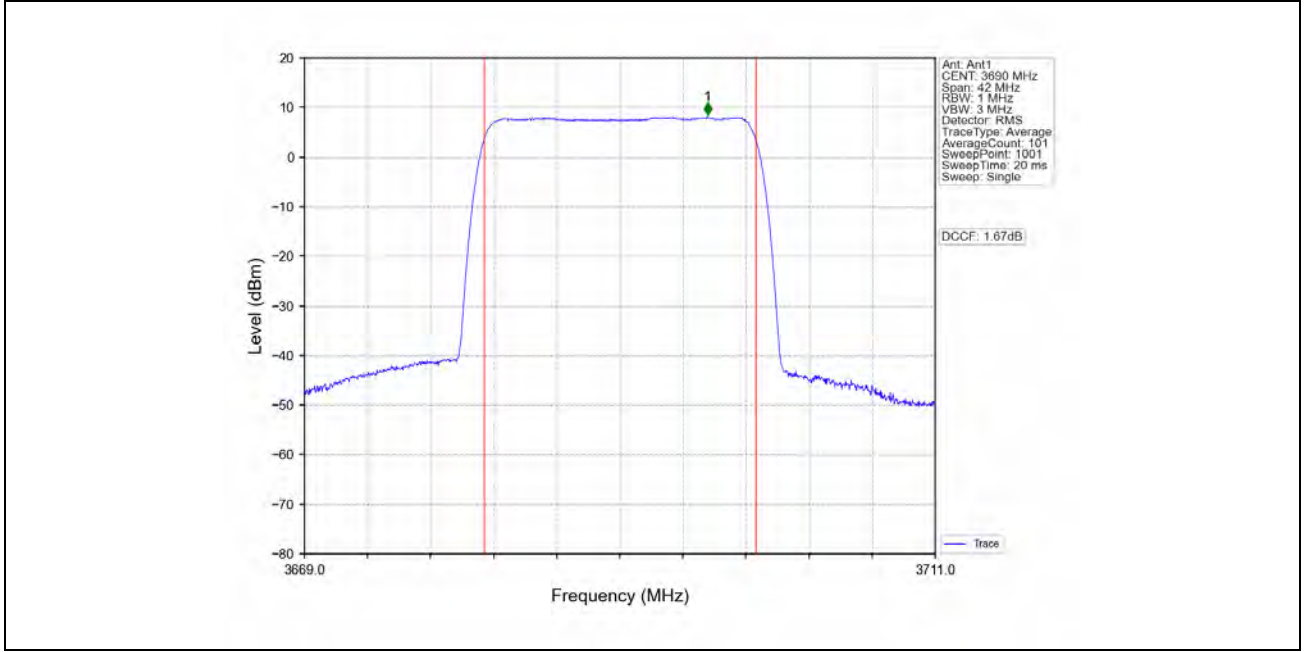
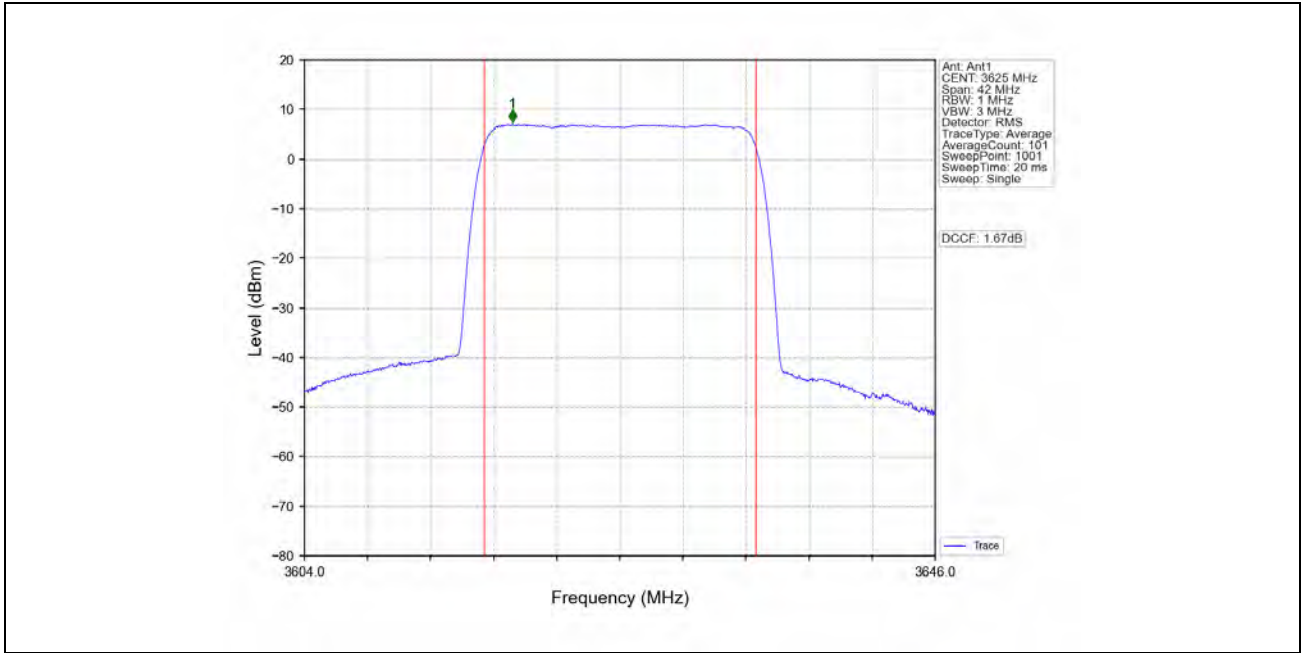


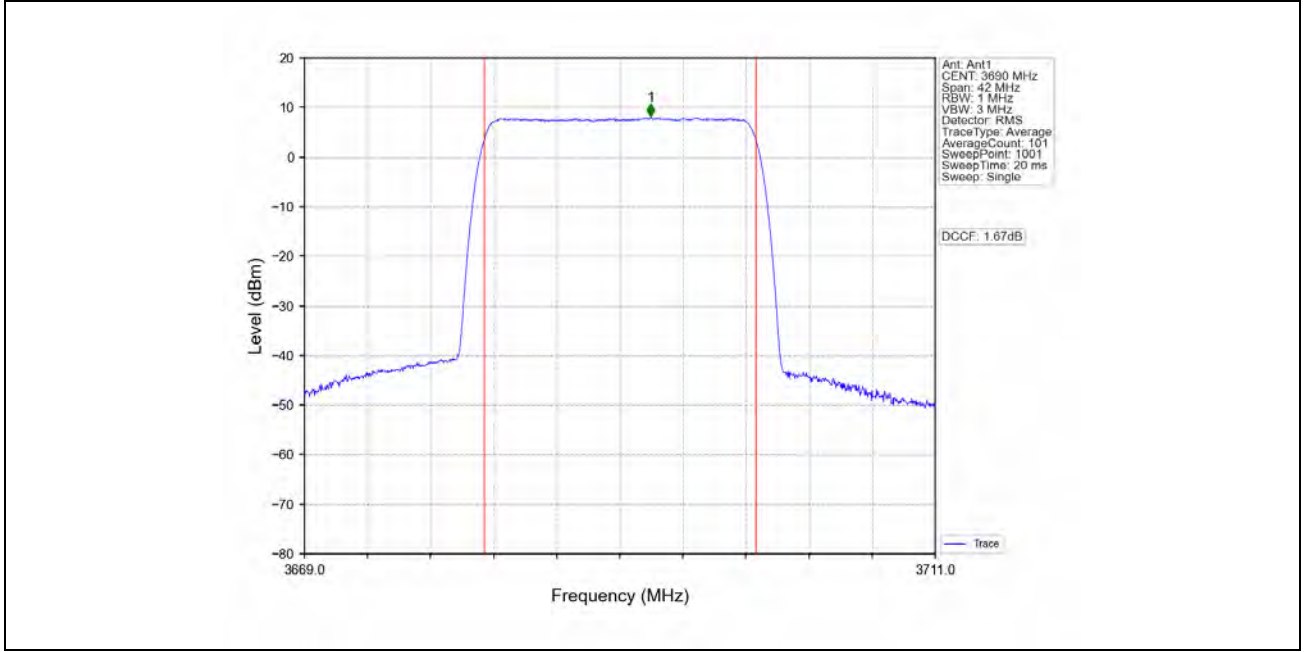
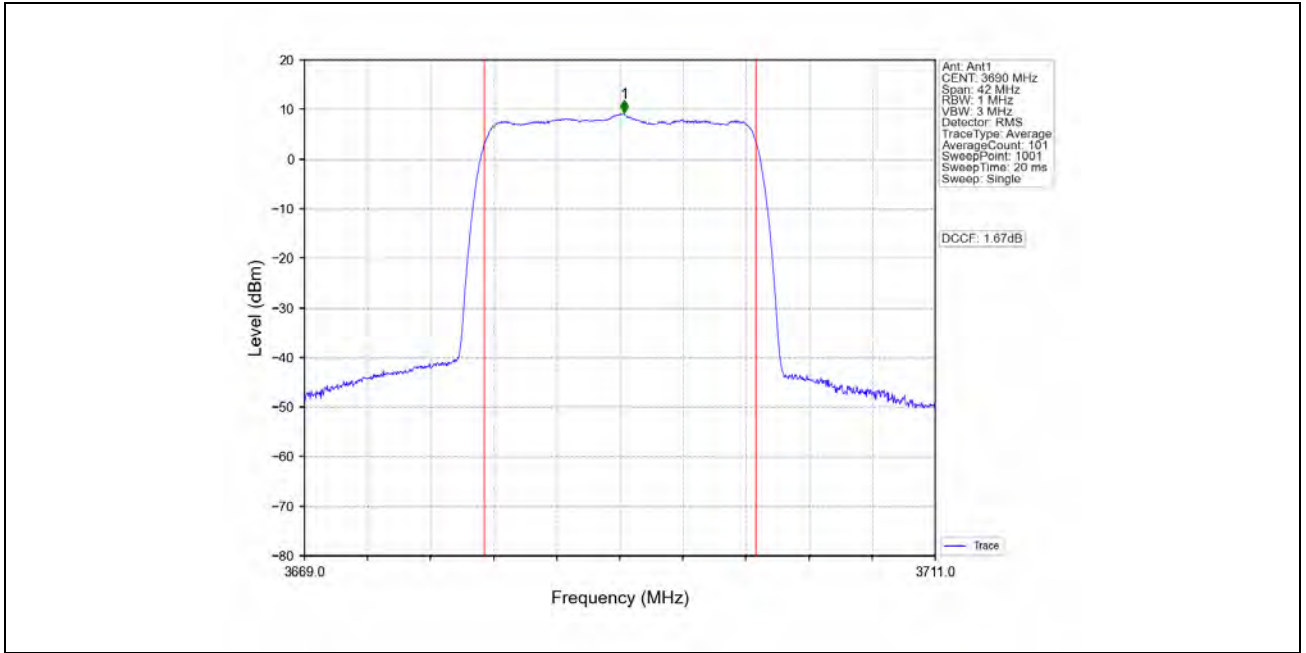










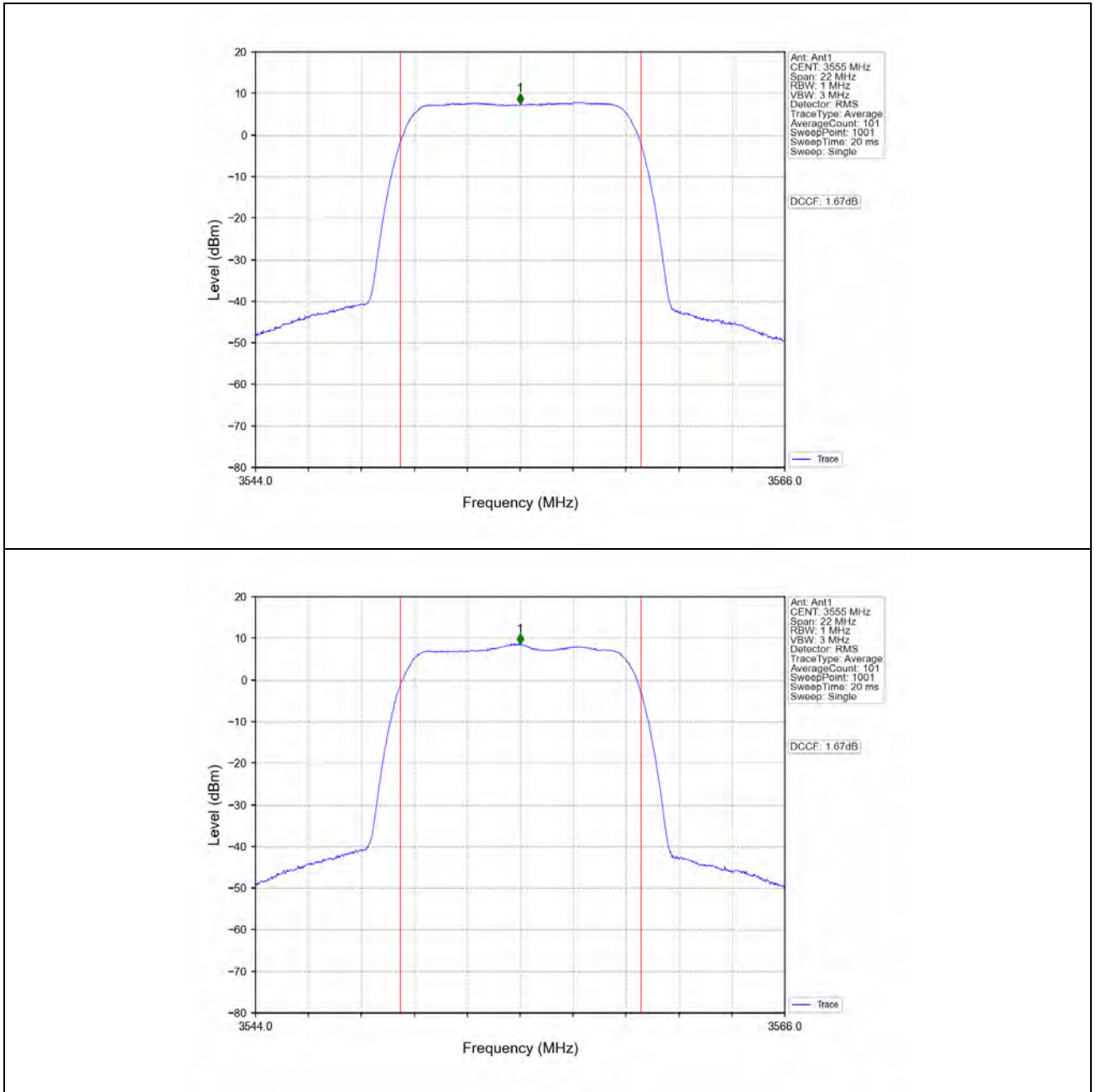


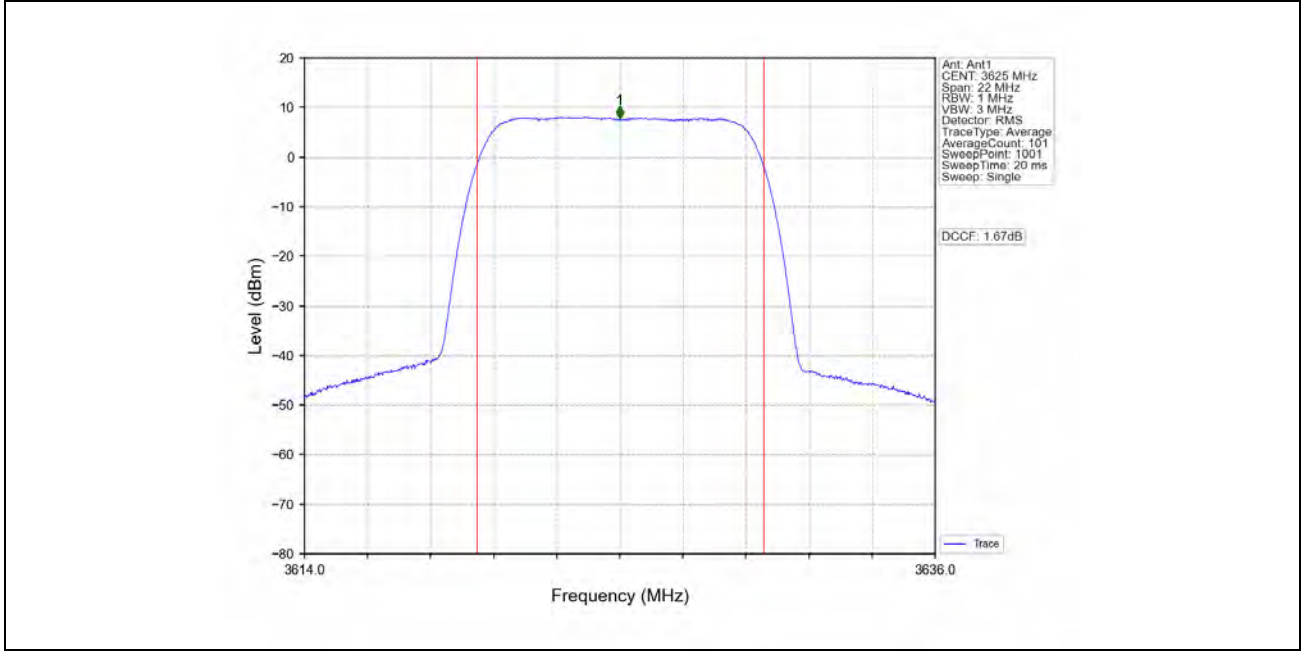
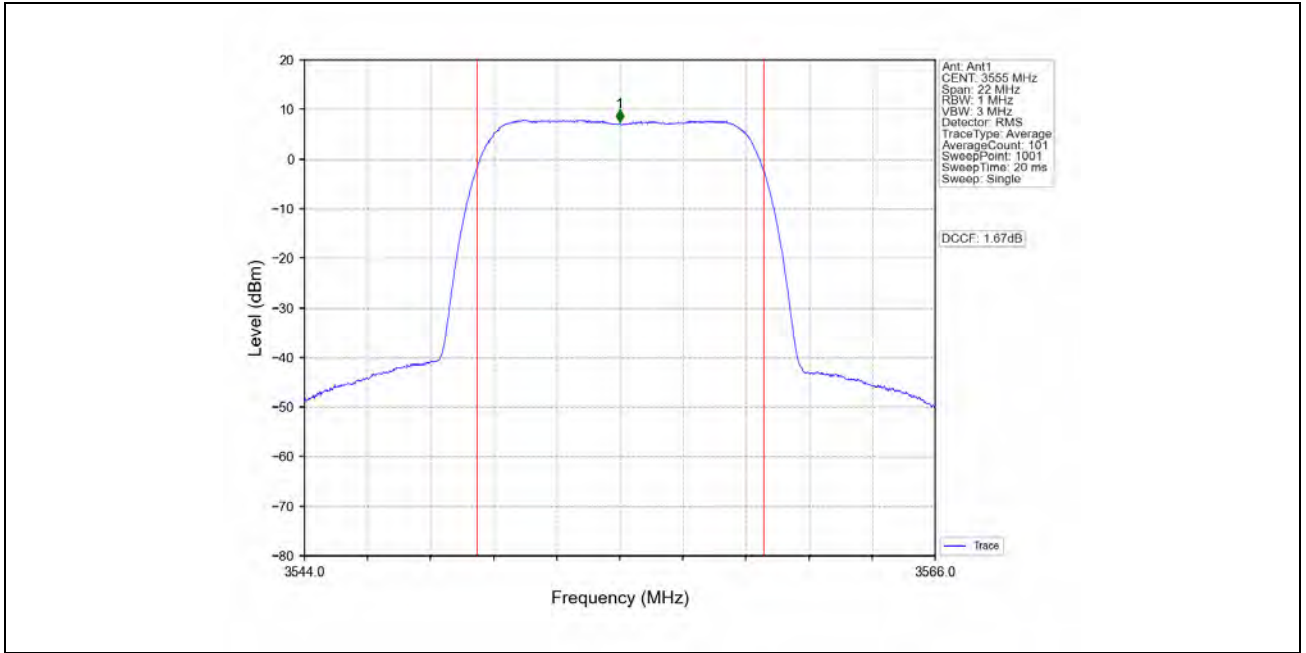
2.3 Single_Power3

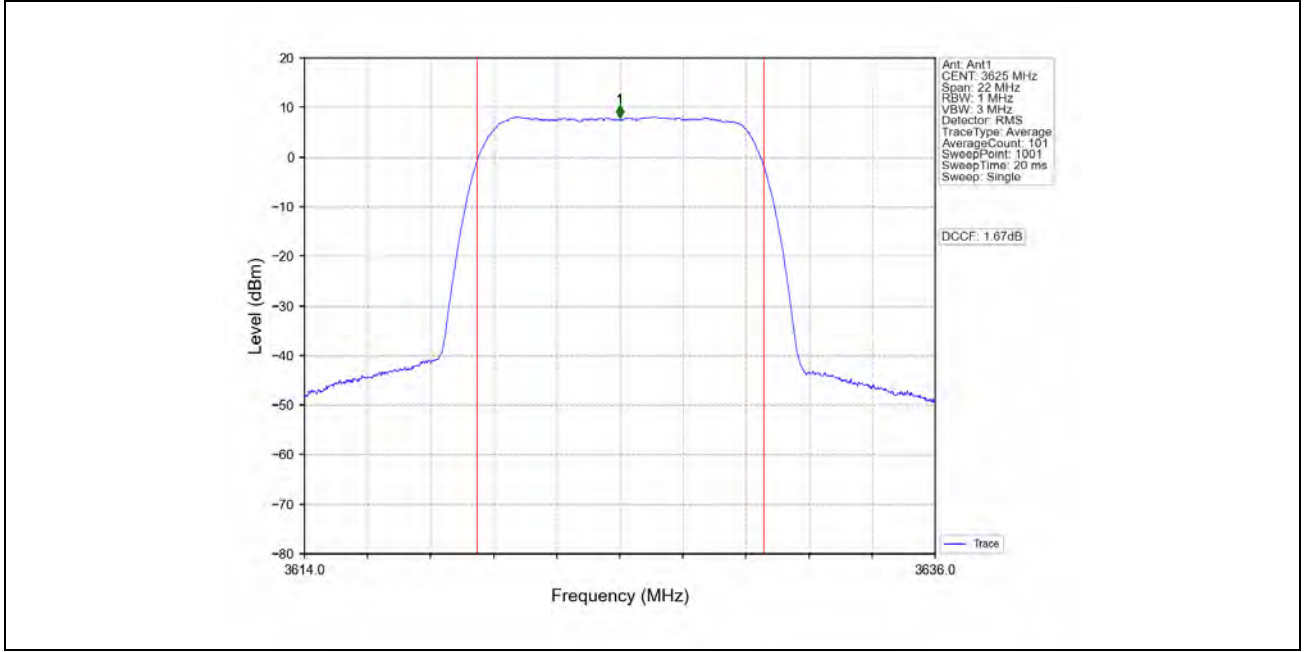
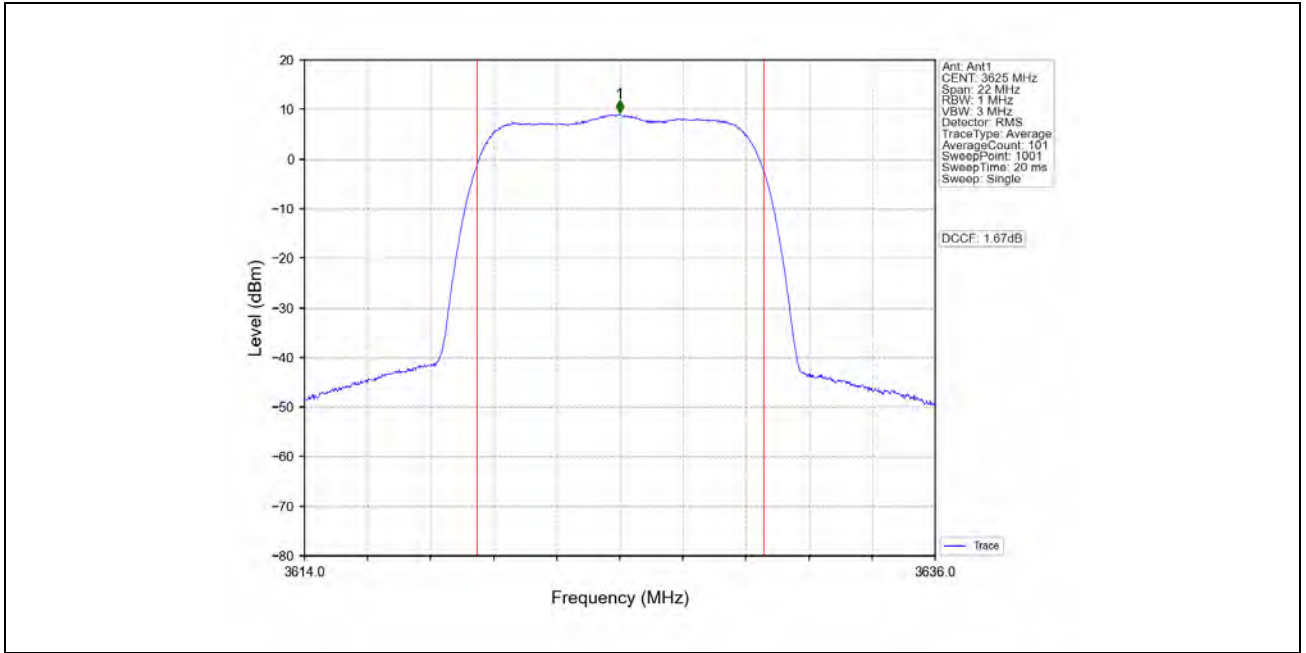
2.3.1 Test Result

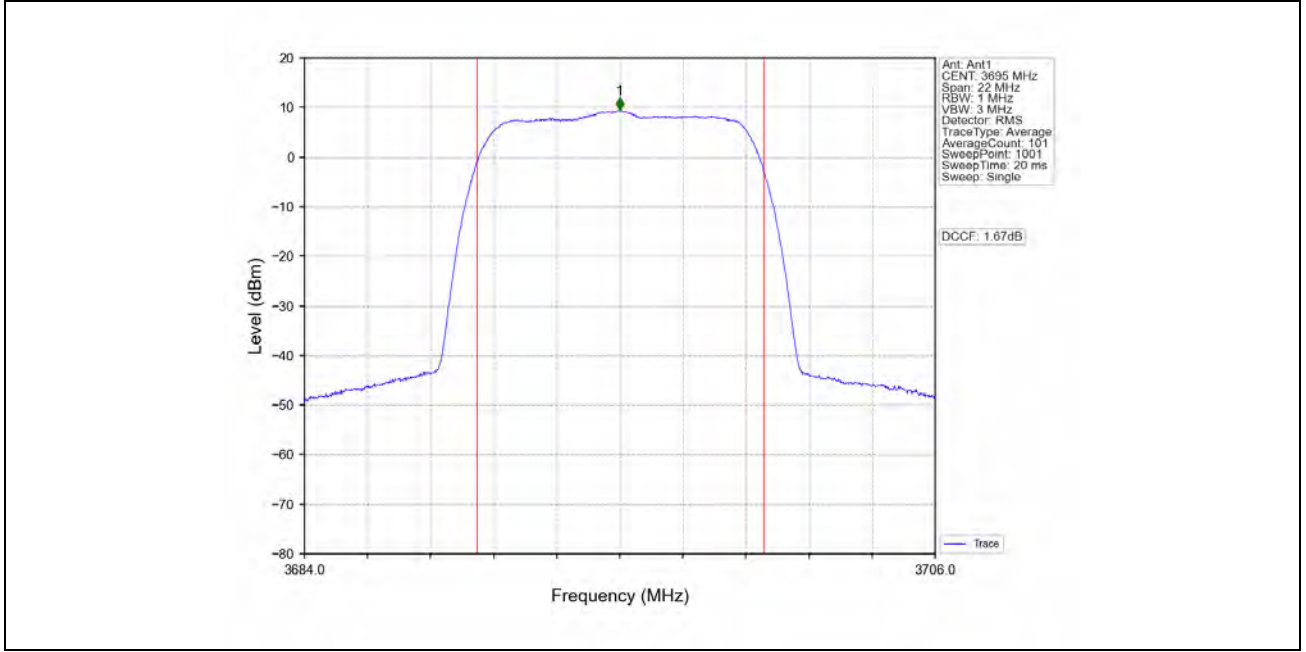
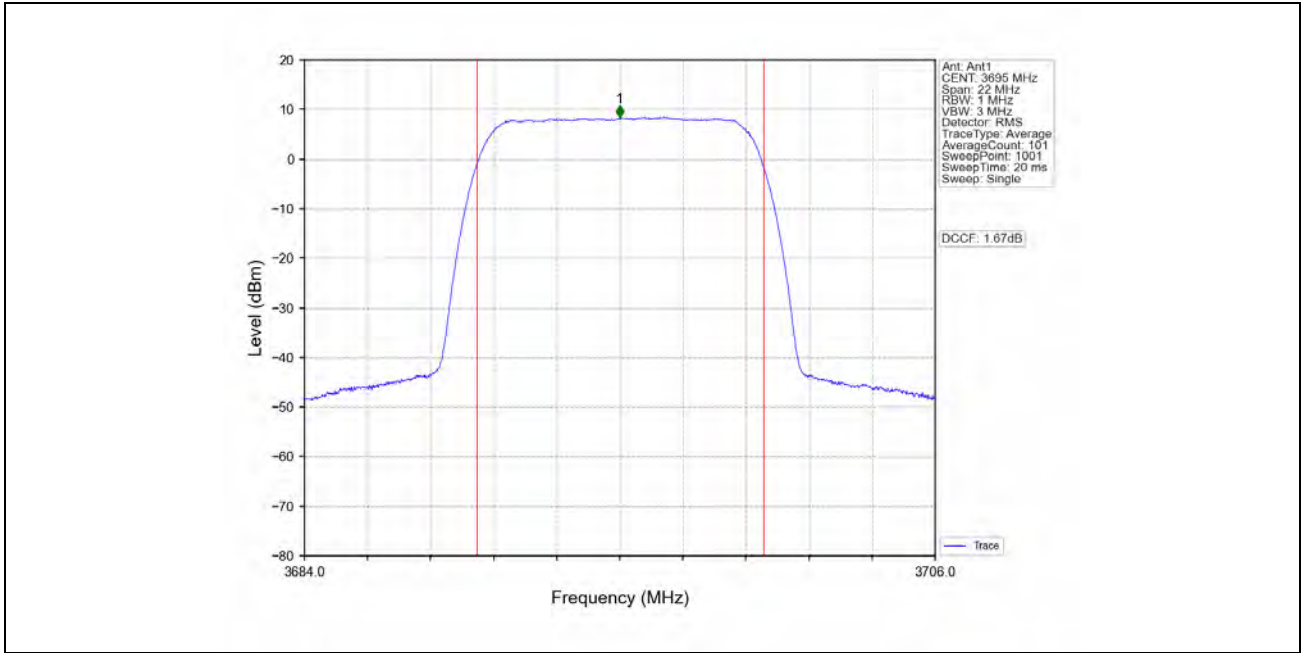
Band 48 Single NTN							
BW (MHz)	DL Frequency (MHz)	Test Mode	Ant No.	Conducted Power (dBm/10MHz)	EIRP (dBm/10MHz)		Verdict
					Total	Limit	
CC1:10	CC1:3555	QPSK	1	18.32	25.32	<=30	Pass
			2X2	21.33	28.33	<=30	Pass
		16QAM	1	18.29	25.29	<=30	Pass
			2X2	21.30	28.30	<=30	Pass
		64QAM	1	18.32	25.32	<=30	Pass
			2X2	21.33	28.33	<=30	Pass
	CC1:3625	QPSK	1	18.56	25.56	<=30	Pass
			2X2	21.57	28.57	<=30	Pass
		16QAM	1	18.55	25.55	<=30	Pass
			2X2	21.56	28.56	<=30	Pass
		64QAM	1	18.56	25.56	<=30	Pass
			2X2	21.57	28.57	<=30	Pass
	CC1:3695	QPSK	1	18.86	25.86	<=30	Pass
			2X2	21.87	28.87	<=30	Pass
		16QAM	1	18.87	25.87	<=30	Pass
			2X2	21.88	28.88	<=30	Pass
		64QAM	1	18.91	25.91	<=30	Pass
			2X2	21.92	28.92	<=30	Pass
CC1:20	CC1:3560	QPSK	1	17.79	24.79	<=30	Pass
			2X2	20.80	27.80	<=30	Pass
		16QAM	1	17.94	24.94	<=30	Pass
			2X2	20.95	27.95	<=30	Pass
		64QAM	1	17.83	24.83	<=30	Pass
			2X2	20.84	27.84	<=30	Pass
	CC1:3625	QPSK	1	17.95	24.95	<=30	Pass
			2X2	20.96	27.96	<=30	Pass
		16QAM	1	18.13	25.13	<=30	Pass
			2X2	21.14	28.14	<=30	Pass
		64QAM	1	18.12	25.12	<=30	Pass
			2X2	21.13	28.13	<=30	Pass
	CC1:3690	QPSK	1	18.56	25.56	<=30	Pass
			2X2	21.57	28.57	<=30	Pass
		16QAM	1	18.66	25.66	<=30	Pass
			2X2	21.67	28.67	<=30	Pass
		64QAM	1	18.43	25.43	<=30	Pass
			2X2	21.44	28.44	<=30	Pass

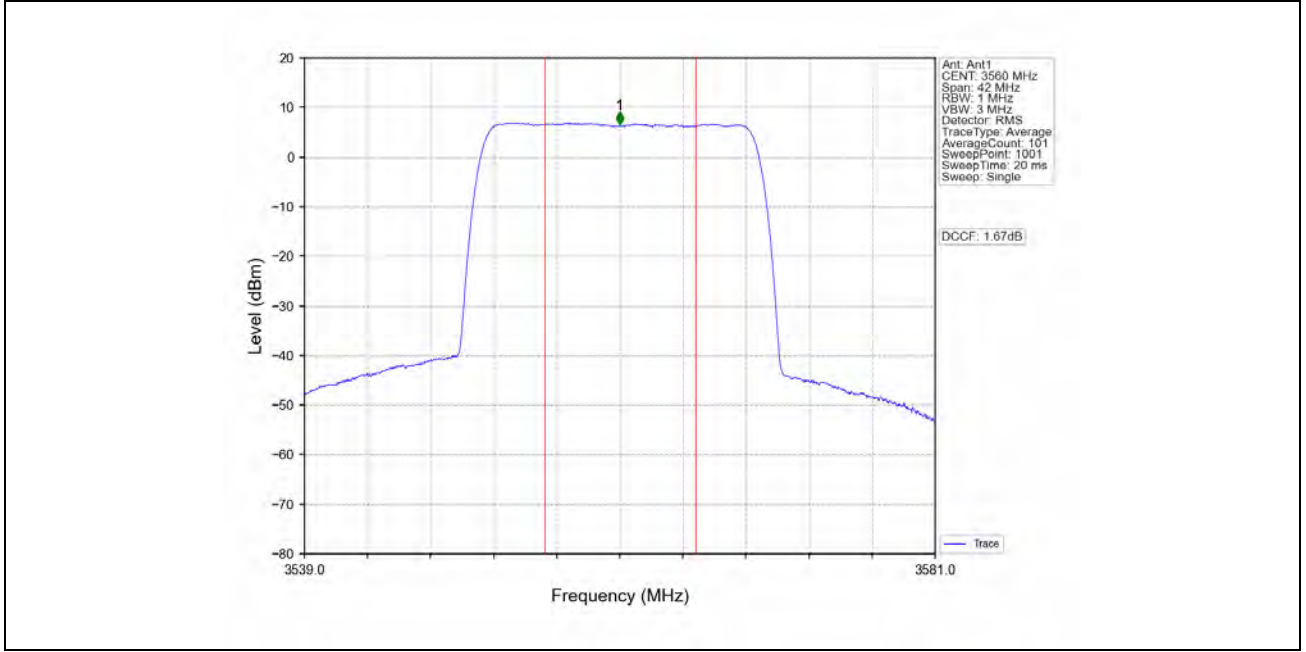
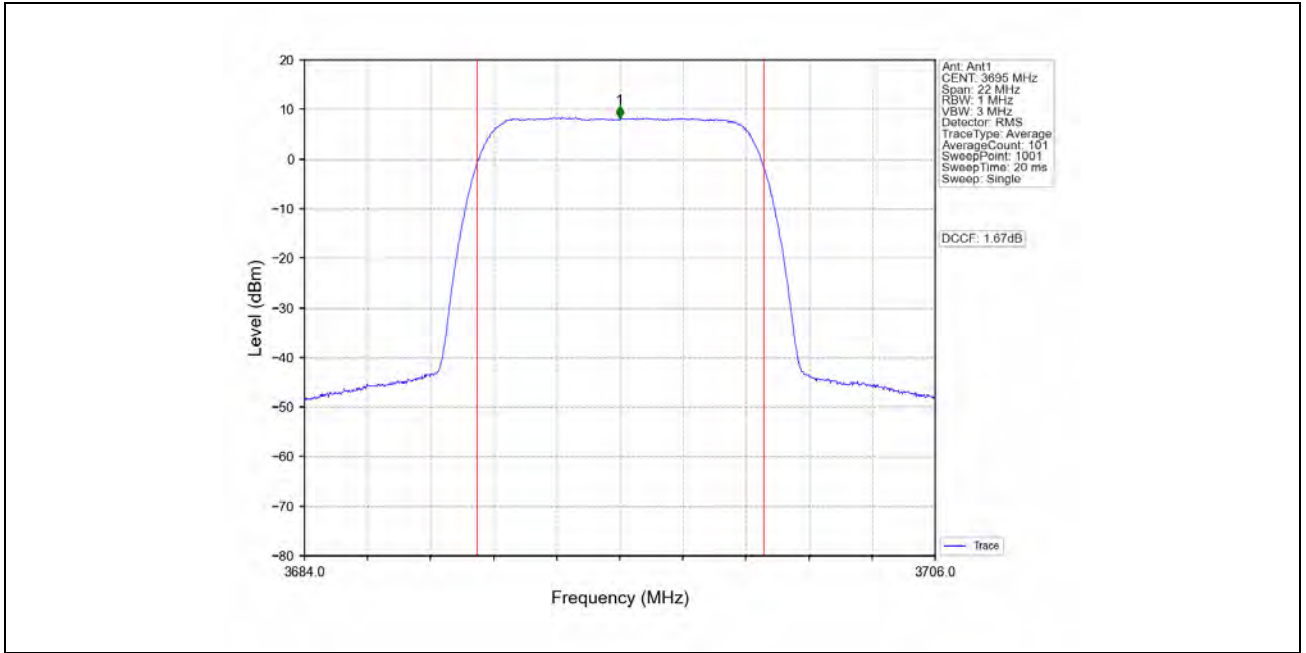
2.3.2 Test Graph

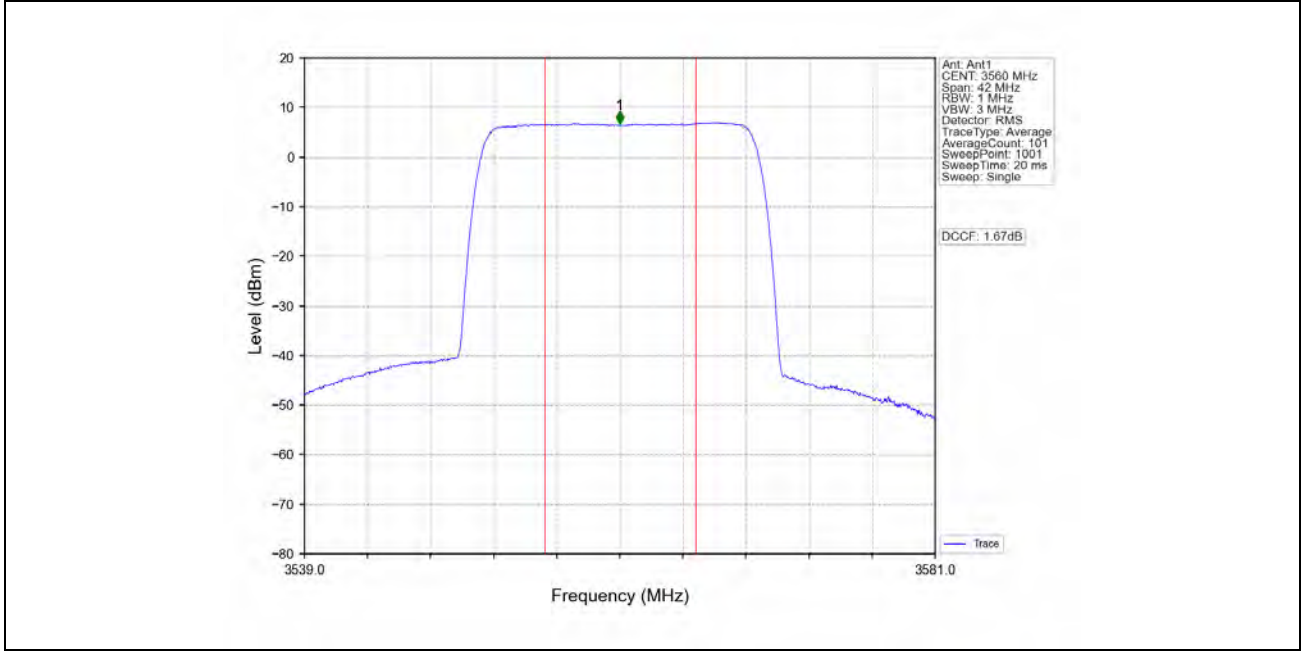
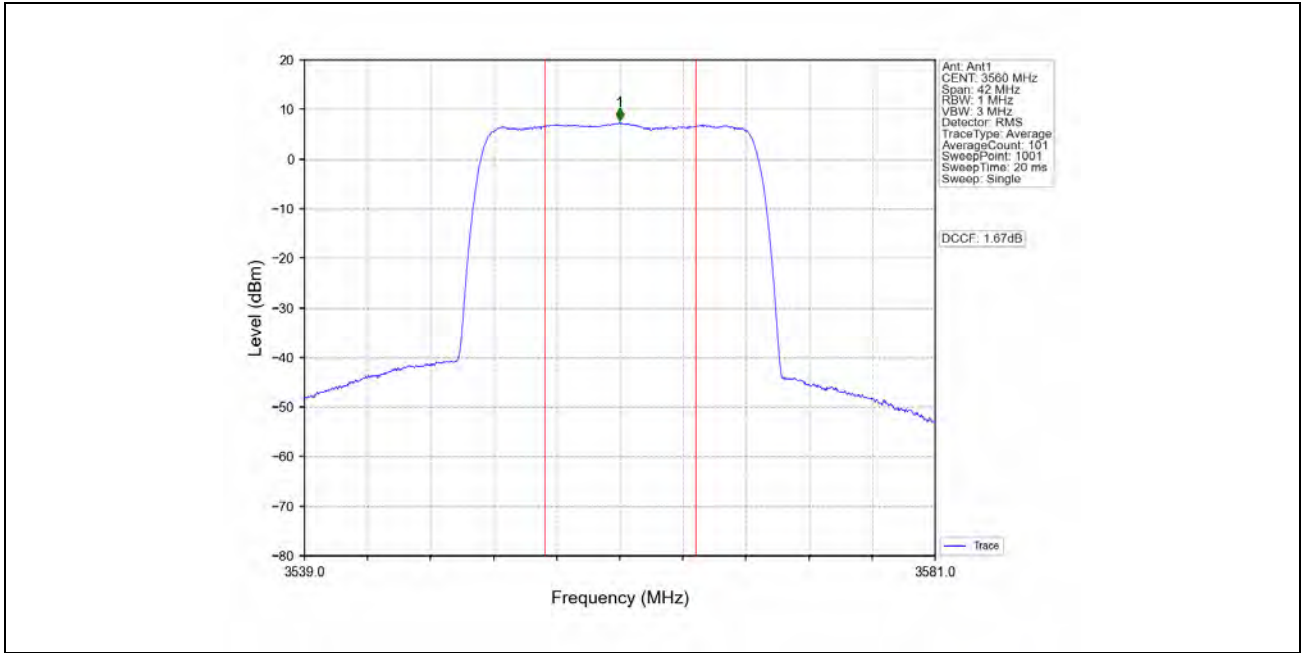


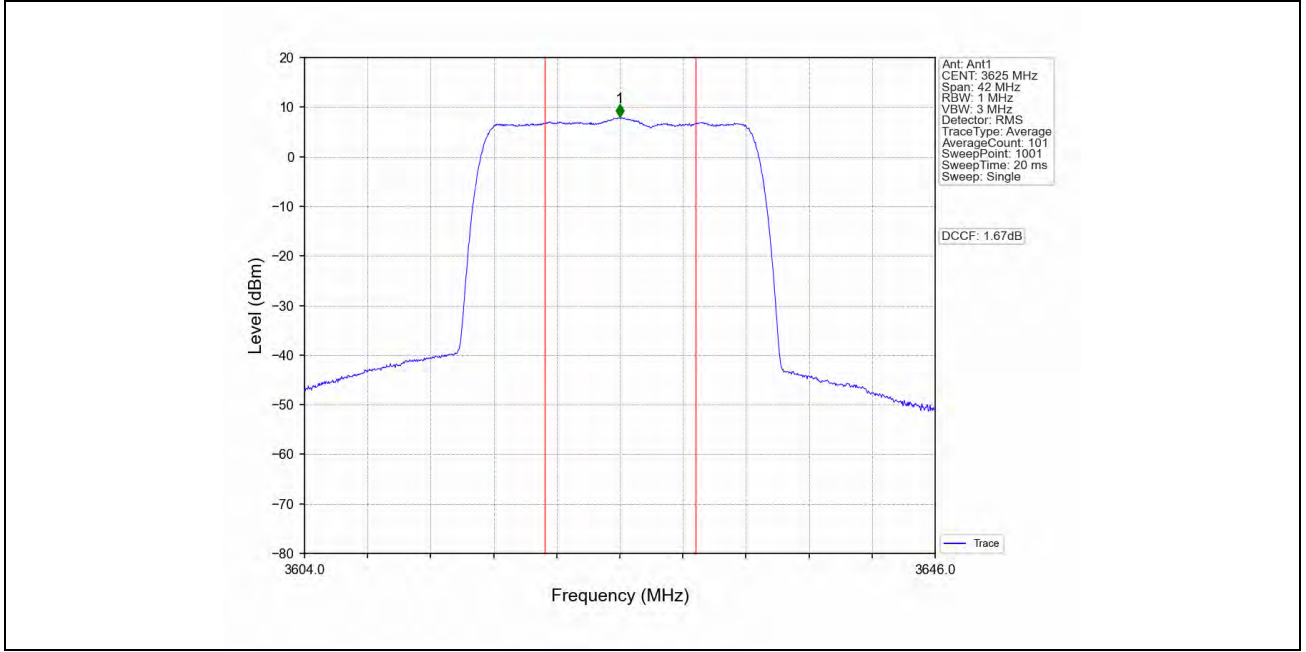
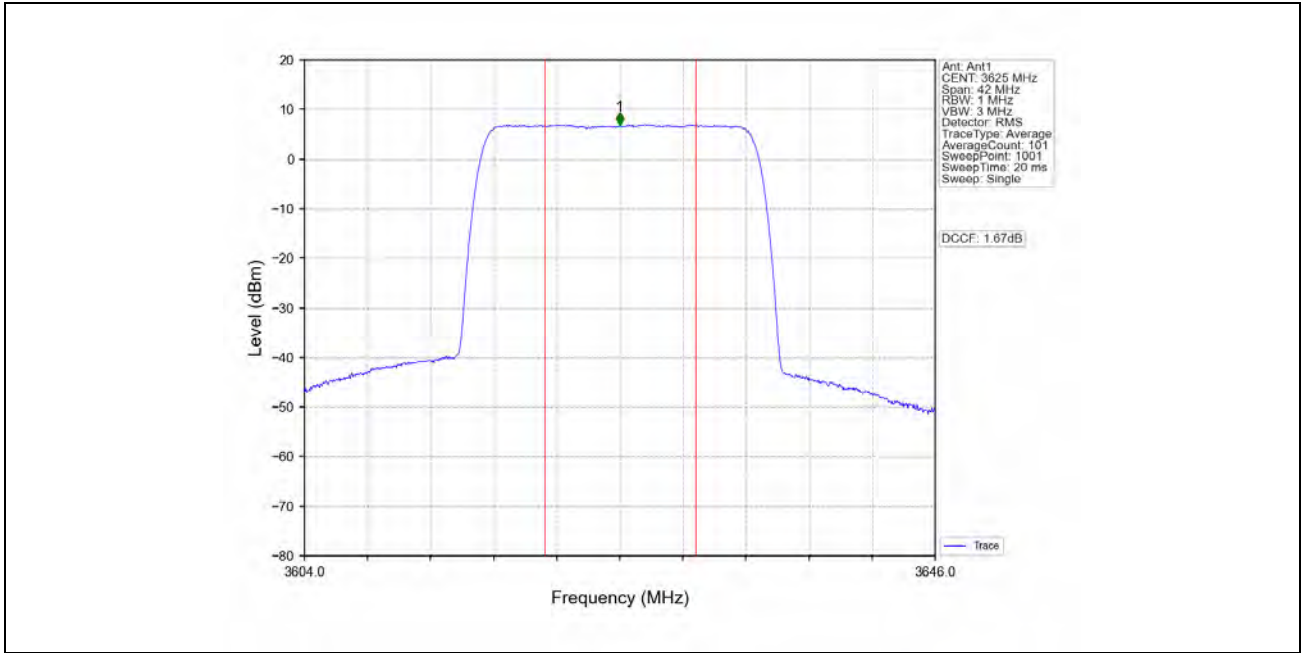


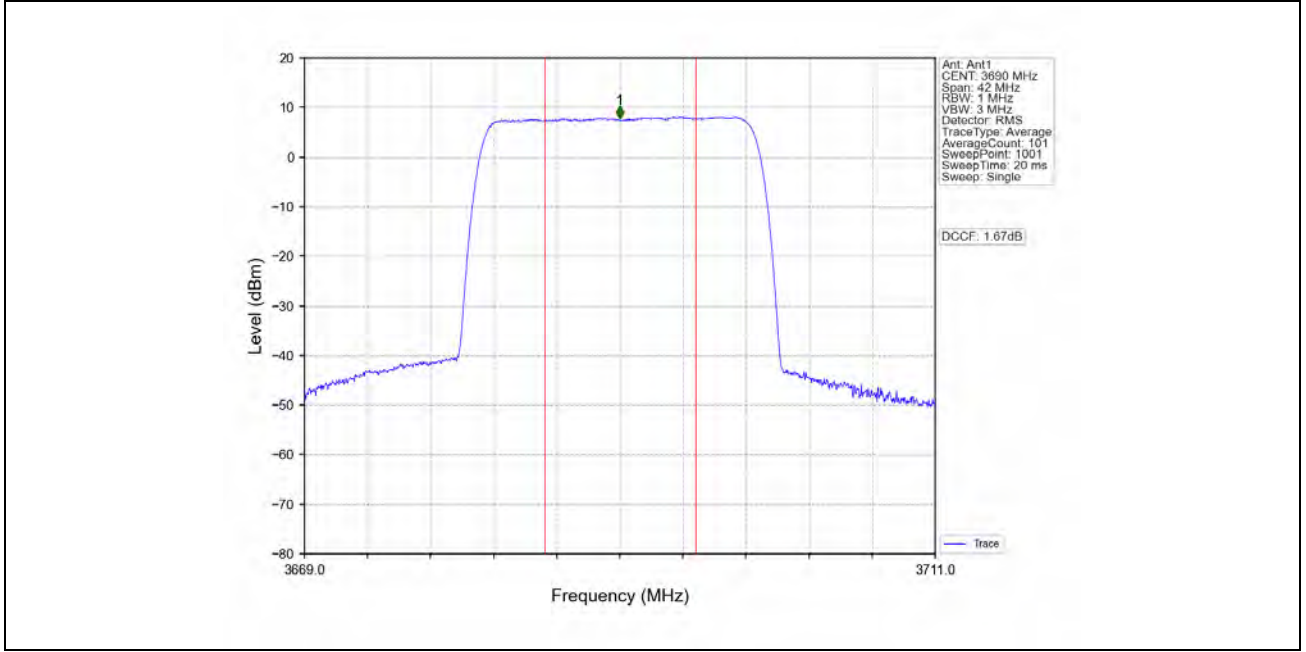
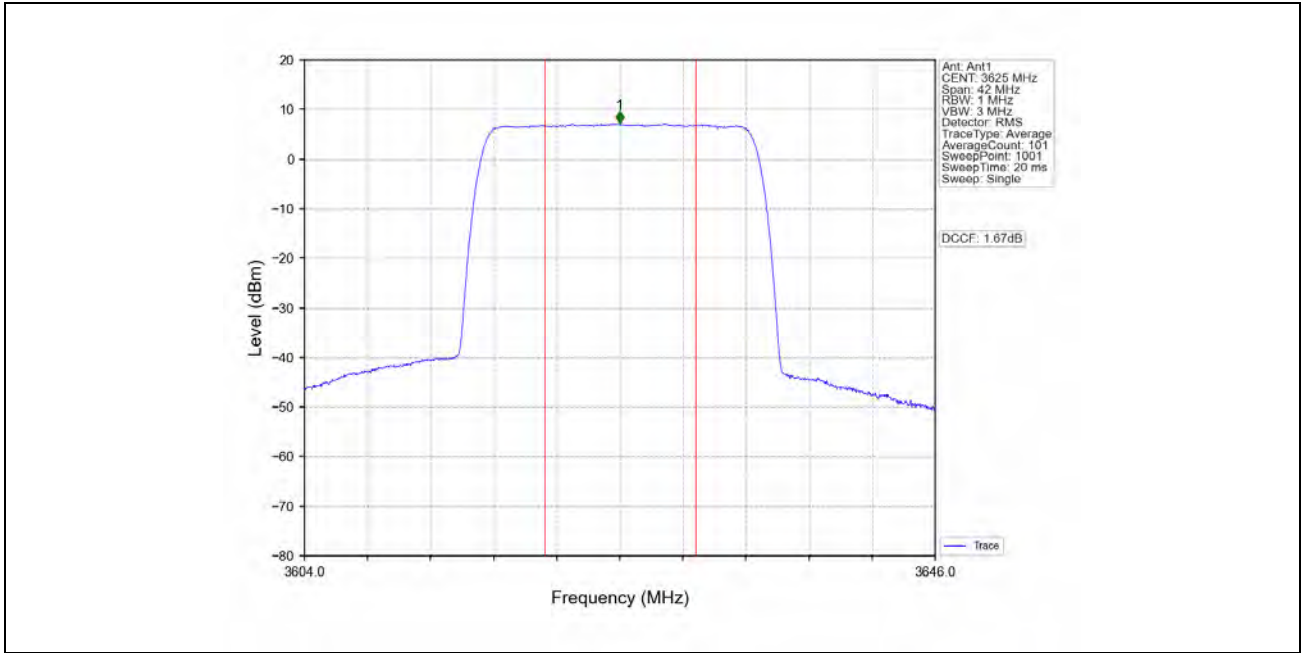


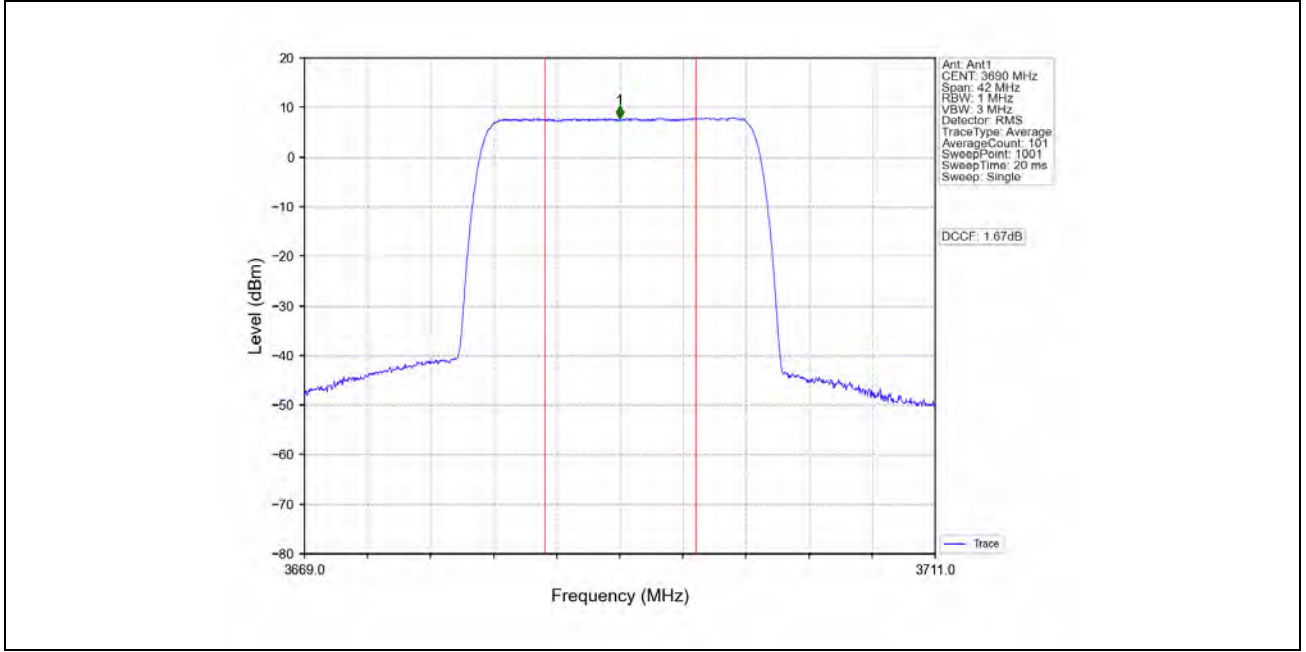
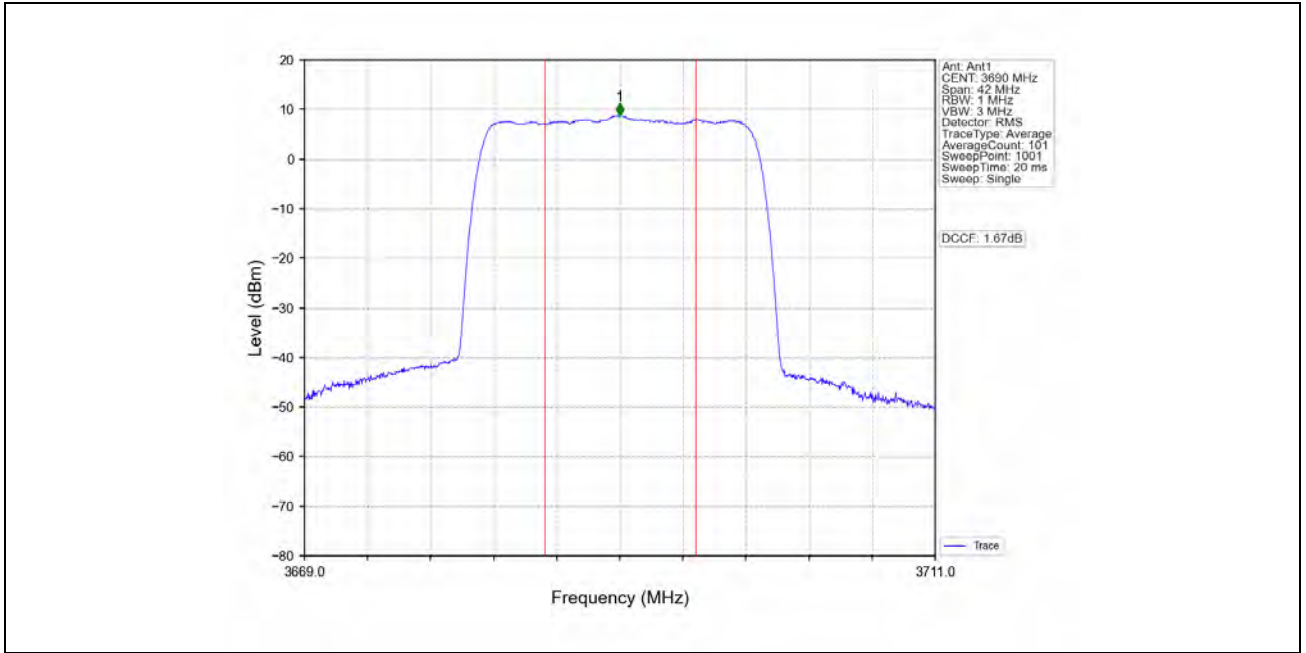












3. Frequency Stability

3.1 Single_Ant1

3.1.1 Test Result

Band 48 Single NTV Ant1							
BW (MHz)	DL Frequency (MHz)	Test Mode	Temp. (°C)	Voltage (VDC)	Result (MHz)	Limit (MHz)	Verdict
CC1:10	CC1:3555	QPSK	20	10.2	3550.449	>3550	Pass
				12.0	3550.458	>3550	Pass
				13.8	3550.461	>3550	Pass
			-30	12.0	3550.486	>3550	Pass
			-20	12.0	3550.477	>3550	Pass
			-10	12.0	3550.425	>3550	Pass
			0	12.0	3550.438	>3550	Pass
			10	12.0	3550.450	>3550	Pass
			30	12.0	3550.419	>3550	Pass
			40	12.0	3550.465	>3550	Pass
		50	12.0	3550.415	>3550	Pass	
		16QAM	20	10.2	3550.409	>3550	Pass
				12.0	3550.443	>3550	Pass
				13.8	3550.418	>3550	Pass
			-30	12.0	3550.470	>3550	Pass
			-20	12.0	3550.453	>3550	Pass
			-10	12.0	3550.435	>3550	Pass
			0	12.0	3550.422	>3550	Pass
			10	12.0	3550.417	>3550	Pass
			30	12.0	3550.451	>3550	Pass
			40	12.0	3550.412	>3550	Pass
		50	12.0	3550.431	>3550	Pass	
		64QAM	20	10.2	3550.489	>3550	Pass
				12.0	3550.466	>3550	Pass
				13.8	3550.476	>3550	Pass
			-30	12.0	3550.438	>3550	Pass
			-20	12.0	3550.427	>3550	Pass
			-10	12.0	3550.440	>3550	Pass
			0	12.0	3550.457	>3550	Pass
			10	12.0	3550.462	>3550	Pass
	30		12.0	3550.479	>3550	Pass	
	40		12.0	3550.481	>3550	Pass	
	50	12.0	3550.452	>3550	Pass		
	CC1:3695	QPSK	20	10.2	3699.525	<3700	Pass
				12.0	3699.501	<3700	Pass
				13.8	3699.537	<3700	Pass
-30			12.0	3699.541	<3700	Pass	
-20			12.0	3699.495	<3700	Pass	
-10			12.0	3699.483	<3700	Pass	
0			12.0	3699.518	<3700	Pass	
10			12.0	3699.532	<3700	Pass	
30			12.0	3699.538	<3700	Pass	
40			12.0	3699.521	<3700	Pass	
50	12.0	3699.591	<3700	Pass			
	16QAM	20	10.2	3699.474	<3700	Pass	

				12.0	3699.480	<3700	Pass
				13.8	3699.499	<3700	Pass
			-30	12.0	3699.463	<3700	Pass
			-20	12.0	3699.452	<3700	Pass
			-10	12.0	3699.457	<3700	Pass
			0	12.0	3699.444	<3700	Pass
			10	12.0	3699.465	<3700	Pass
			30	12.0	3699.478	<3700	Pass
			40	12.0	3699.439	<3700	Pass
			50	12.0	3699.427	<3700	Pass
		64QAM	20	10.2	3699.556	<3700	Pass
				12.0	3699.539	<3700	Pass
				13.8	3699.531	<3700	Pass
			-30	12.0	3699.533	<3700	Pass
			-20	12.0	3699.559	<3700	Pass
			-10	12.0	3699.515	<3700	Pass
			0	12.0	3699.506	<3700	Pass
			10	12.0	3699.523	<3700	Pass
			30	12.0	3699.548	<3700	Pass
			40	12.0	3699.544	<3700	Pass
50	12.0	3699.561	<3700	Pass			
CC1:20	CC1:3560	QPSK	20	10.2	3550.953	>3550	Pass
				12.0	3550.967	>3550	Pass
				13.8	3550.941	>3550	Pass
			-30	12.0	3550.955	>3550	Pass
			-20	12.0	3550.937	>3550	Pass
			-10	12.0	3550.946	>3550	Pass
			0	12.0	3550.954	>3550	Pass
			10	12.0	3550.970	>3550	Pass
			30	12.0	3550.935	>3550	Pass
			40	12.0	3550.967	>3550	Pass
		50	12.0	3550.982	>3550	Pass	
		16QAM	20	10.2	3550.948	>3550	Pass
				12.0	3550.986	>3550	Pass
				13.8	3550.974	>3550	Pass
			-30	12.0	3550.959	>3550	Pass
			-20	12.0	3550.966	>3550	Pass
			-10	12.0	3550.940	>3550	Pass
			0	12.0	3550.979	>3550	Pass
			10	12.0	3550.948	>3550	Pass
			30	12.0	3550.933	>3550	Pass
40	12.0		3550.916	>3550	Pass		
50	12.0	3550.922	>3550	Pass			
64QAM	20	10.2	3550.978	>3550	Pass		
		12.0	3550.999	>3550	Pass		
		13.8	3550.968	>3550	Pass		
	-30	12.0	3550.957	>3550	Pass		
	-20	12.0	3550.995	>3550	Pass		
	-10	12.0	3550.963	>3550	Pass		
	0	12.0	3550.947	>3550	Pass		
	10	12.0	3550.969	>3550	Pass		
	30	12.0	3550.956	>3550	Pass		
	40	12.0	3550.942	>3550	Pass		
50	12.0	3550.935	>3550	Pass			
CC1:3690	QPSK	20	10.2	3698.911	<3700	Pass	

			12.0	3698.927	<3700	Pass	
			13.8	3698.930	<3700	Pass	
		-30	12.0	3698.962	<3700	Pass	
		-20	12.0	3698.945	<3700	Pass	
		-10	12.0	3698.964	<3700	Pass	
		0	12.0	3698.975	<3700	Pass	
		10	12.0	3698.967	<3700	Pass	
		30	12.0	3698.941	<3700	Pass	
		40	12.0	3698.932	<3700	Pass	
		50	12.0	3698.952	<3700	Pass	
	16QAM	20	10.2	3698.859	<3700	Pass	
			12.0	3698.867	<3700	Pass	
			13.8	3698.874	<3700	Pass	
			-30	12.0	3698.889	<3700	Pass
			-20	12.0	3698.884	<3700	Pass
			-10	12.0	3698.869	<3700	Pass
			0	12.0	3698.876	<3700	Pass
			10	12.0	3698.893	<3700	Pass
			30	12.0	3698.837	<3700	Pass
			40	12.0	3698.849	<3700	Pass
			50	12.0	3698.866	<3700	Pass
		64QAM	20	10.2	3698.997	<3700	Pass
				12.0	3698.982	<3700	Pass
	13.8			3698.971	<3700	Pass	
			-30	12.0	3698.965	<3700	Pass
			-20	12.0	3698.958	<3700	Pass
			-10	12.0	3698.954	<3700	Pass
			0	12.0	3698.949	<3700	Pass
			10	12.0	3698.934	<3700	Pass
			30	12.0	3698.990	<3700	Pass
			40	12.0	3698.973	<3700	Pass
		50	12.0	3698.985	<3700	Pass	

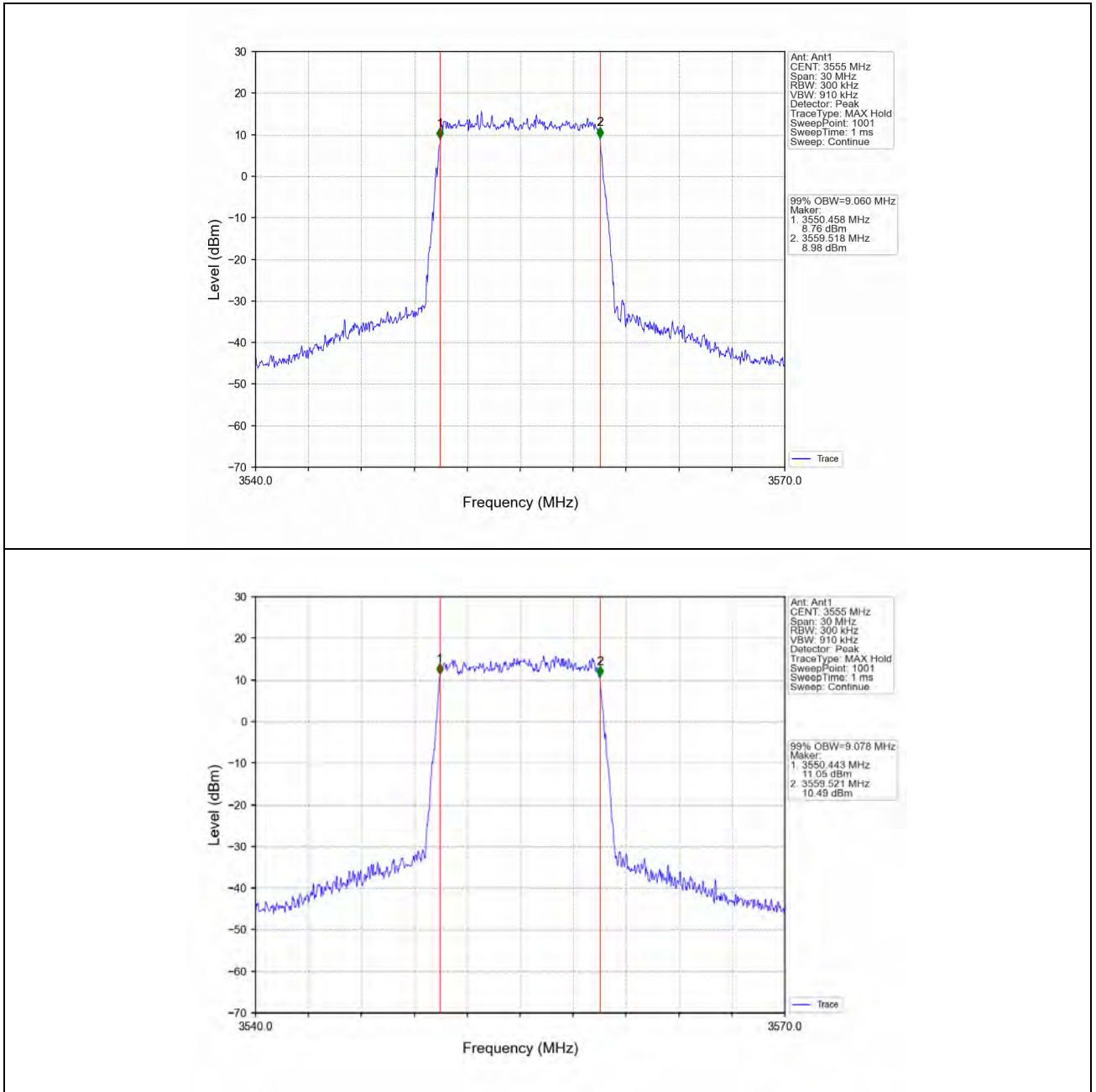
4. 99% & 26dB Bandwidth

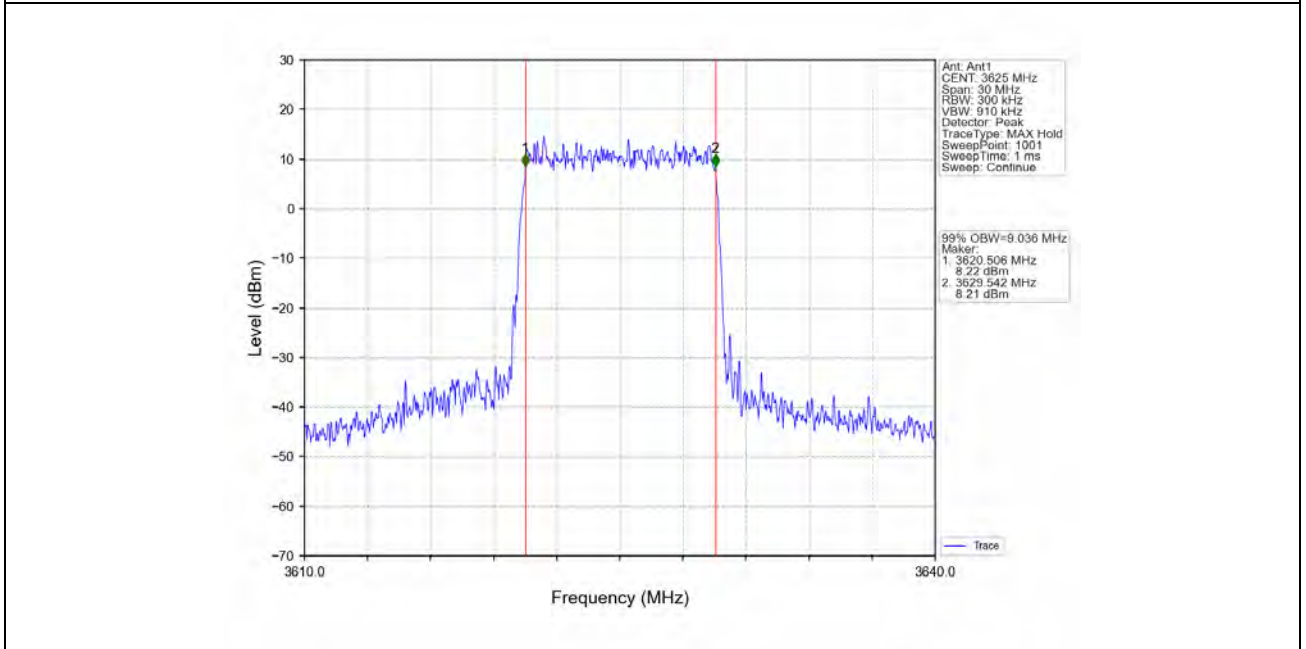
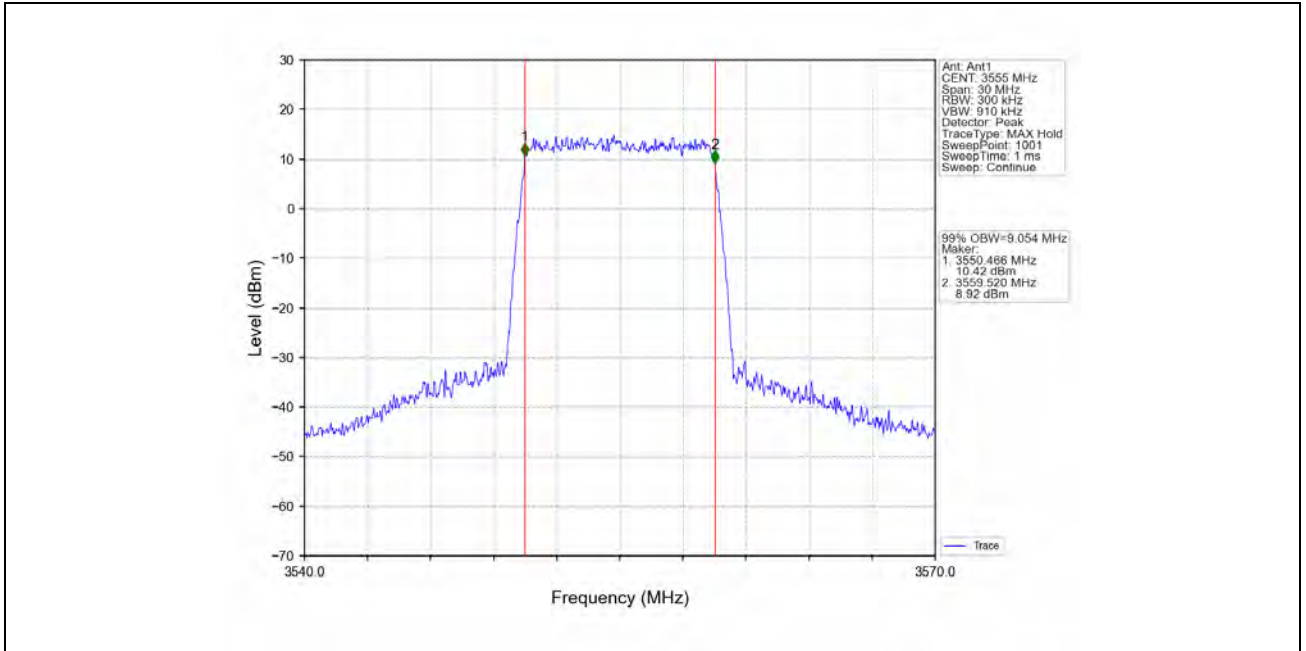
4.1 Single_OBW

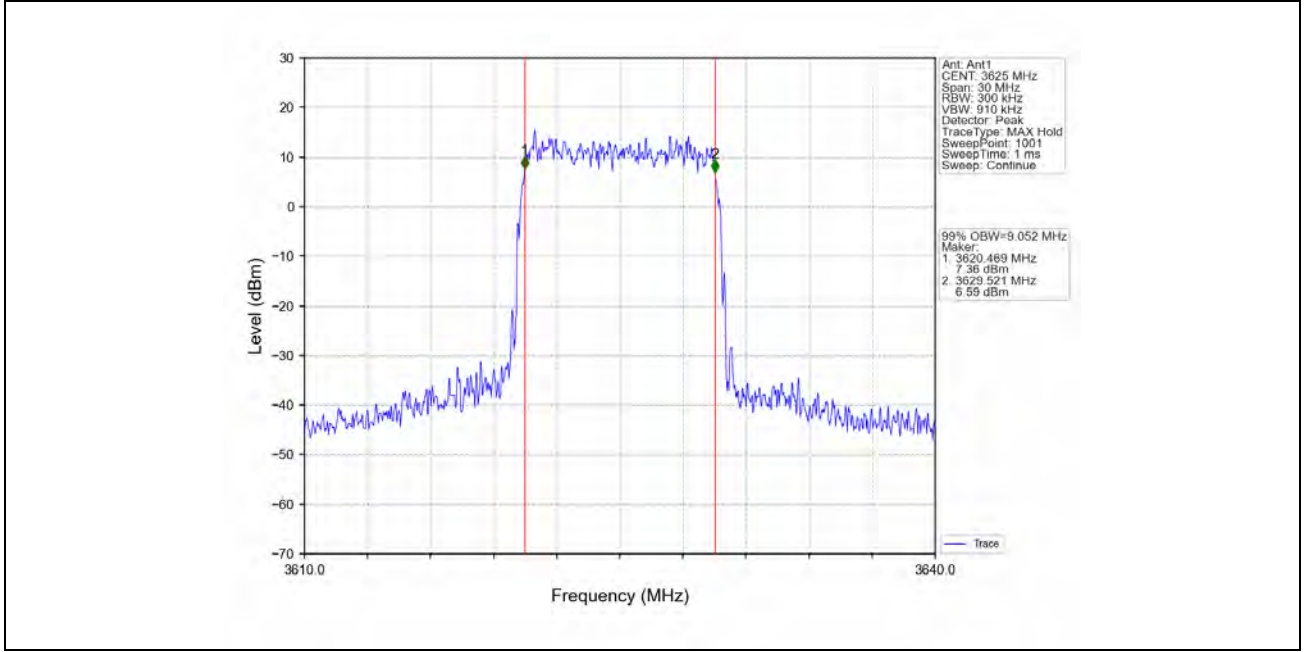
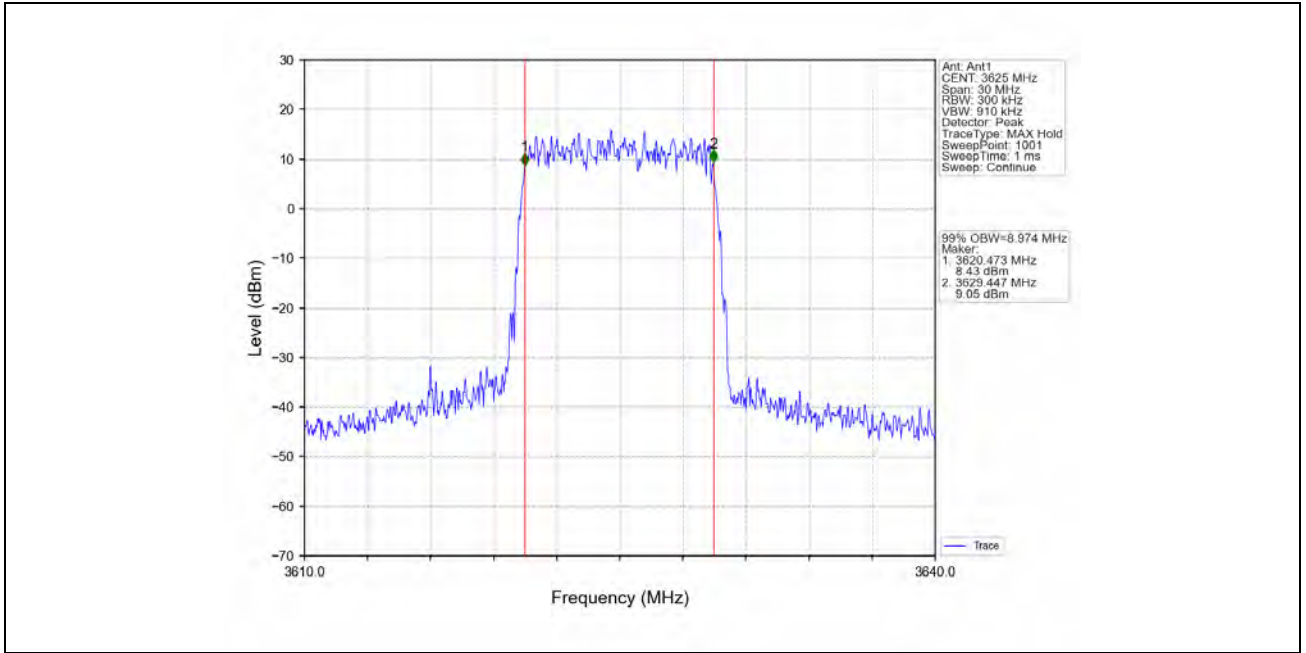
4.1.1 Test Result

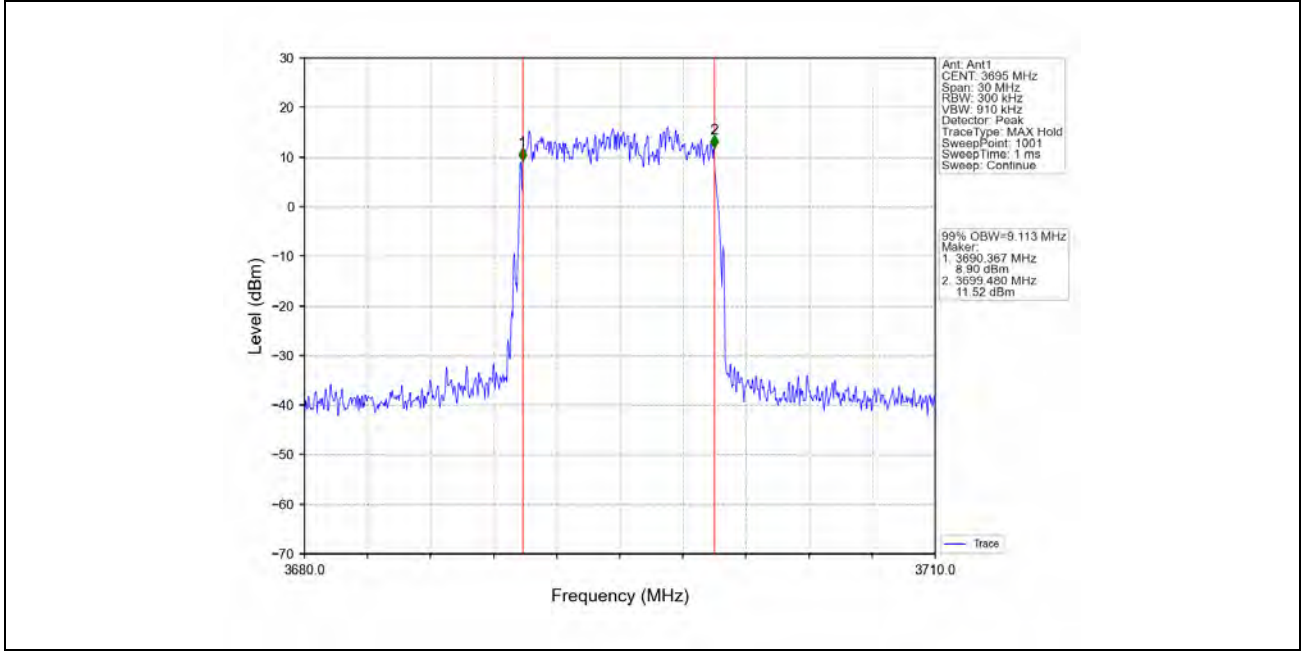
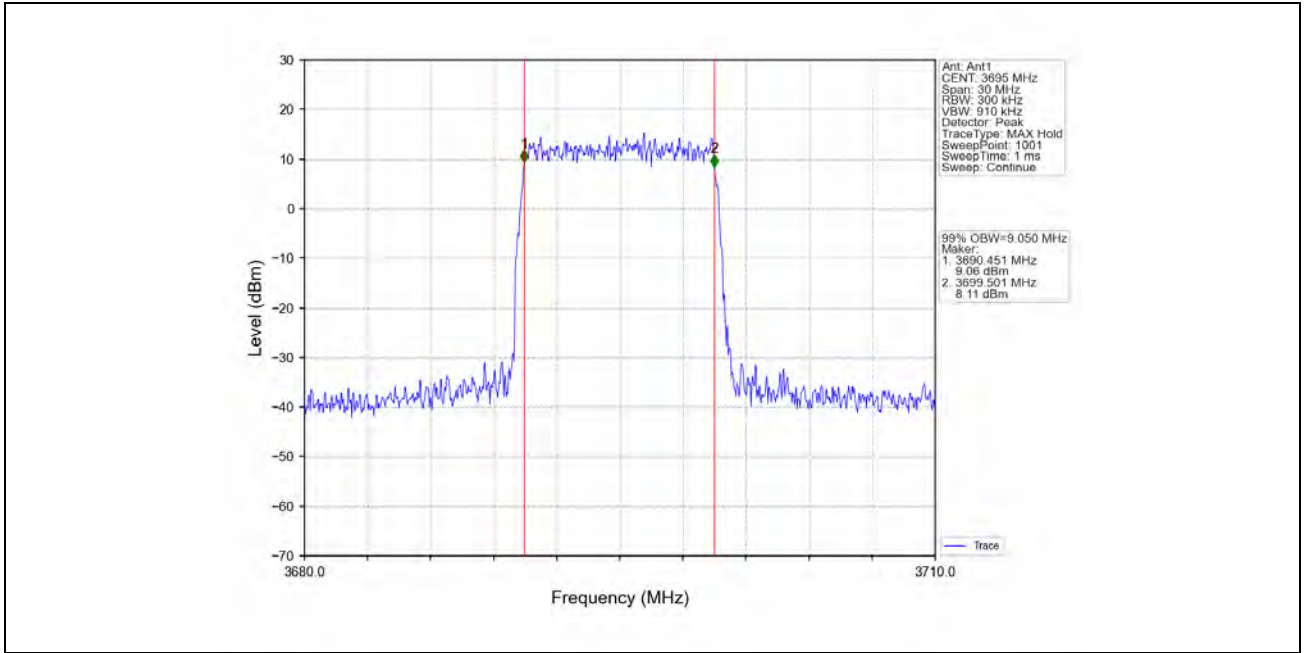
Band 48 Single NTV						
BW (MHz)	DL Frequency (MHz)	Test Mode	Ant No.	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
CC1:10	CC1:3555	QPSK	1	9.06	/	Pass
		16QAM	1	9.08	/	Pass
		64QAM	1	9.05	/	Pass
	CC1:3625	QPSK	1	9.04	/	Pass
		16QAM	1	8.97	/	Pass
		64QAM	1	9.05	/	Pass
	CC1:3695	QPSK	1	9.05	/	Pass
		16QAM	1	9.11	/	Pass
		64QAM	1	9.07	/	Pass
CC1:20	CC1:3560	QPSK	1	17.99	/	Pass
		16QAM	1	17.97	/	Pass
		64QAM	1	17.98	/	Pass
	CC1:3625	QPSK	1	17.92	/	Pass
		16QAM	1	18.02	/	Pass
		64QAM	1	17.86	/	Pass
	CC1:3690	QPSK	1	17.93	/	Pass
		16QAM	1	17.83	/	Pass
		64QAM	1	17.92	/	Pass

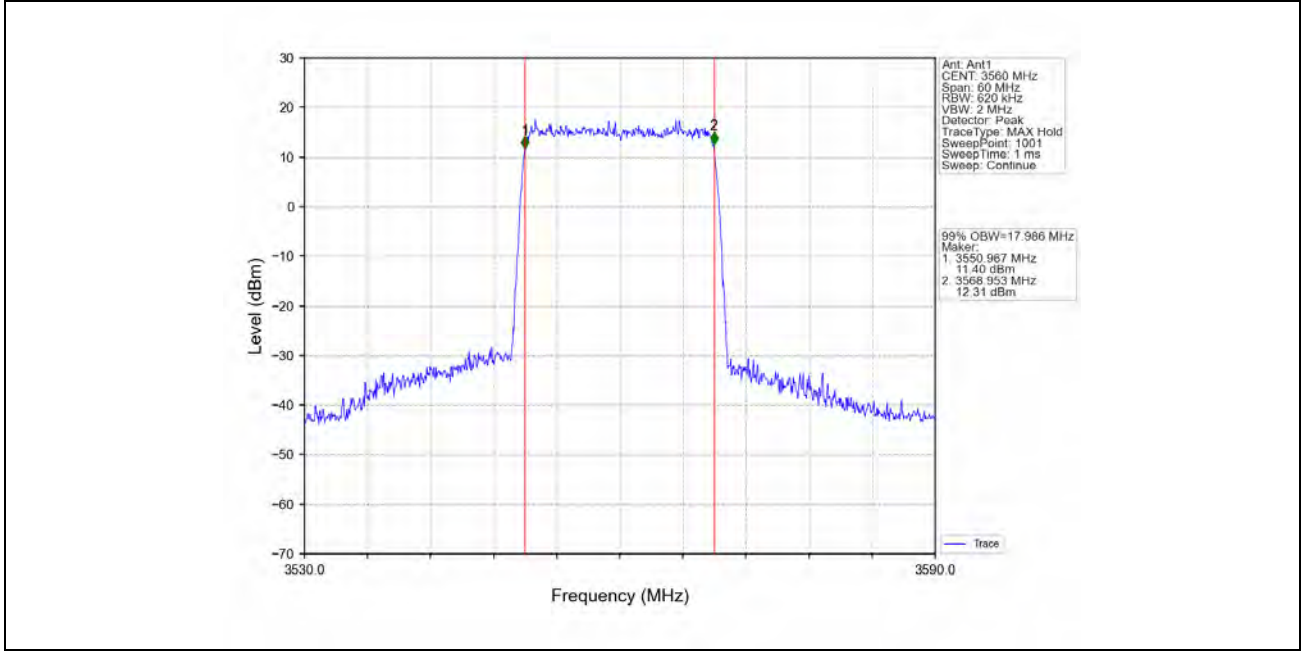
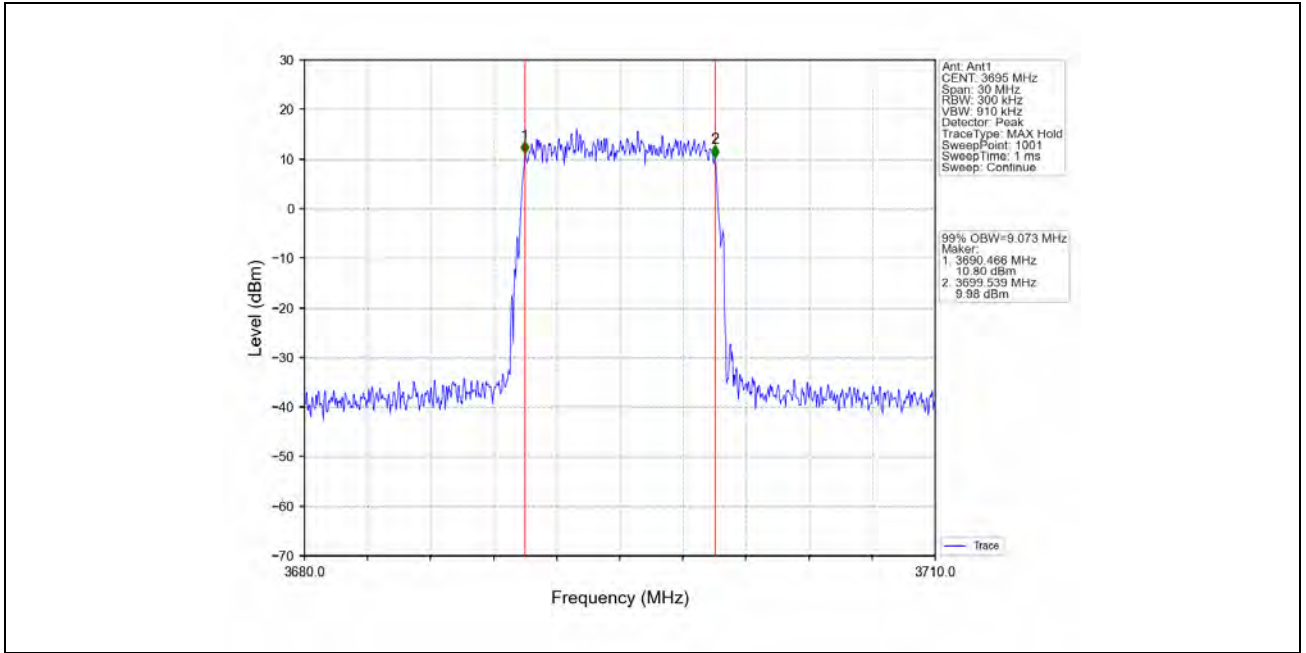
4.1.2 Test Graph

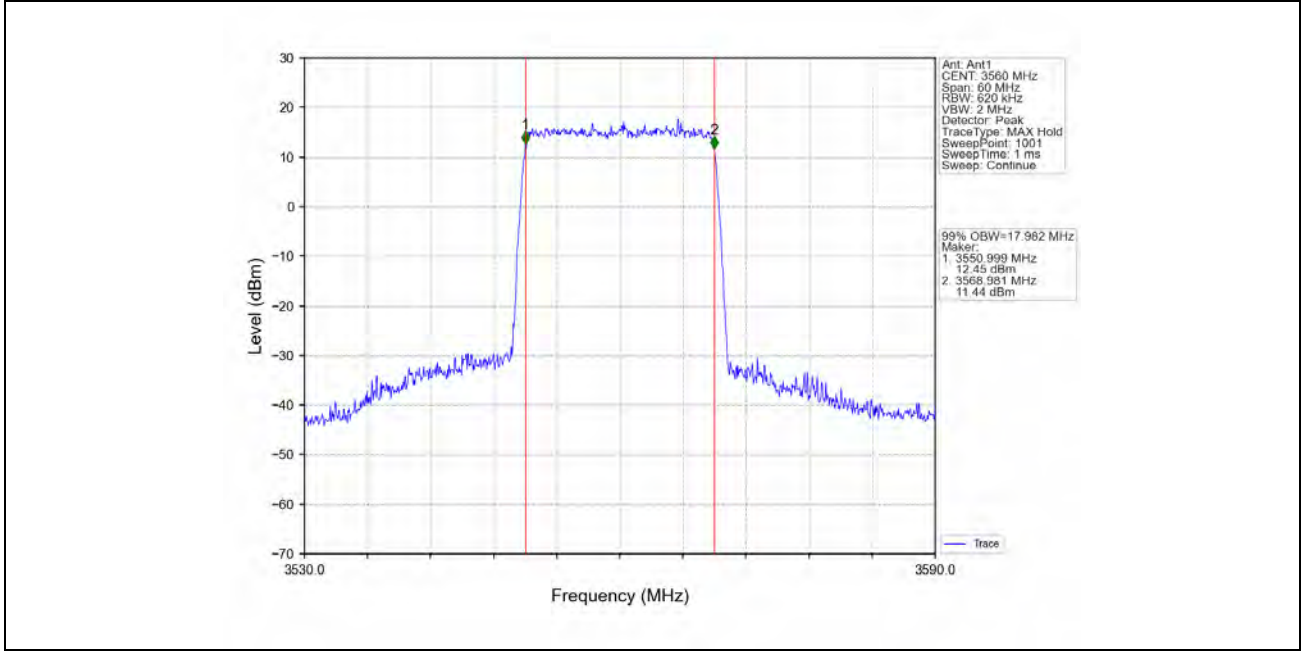
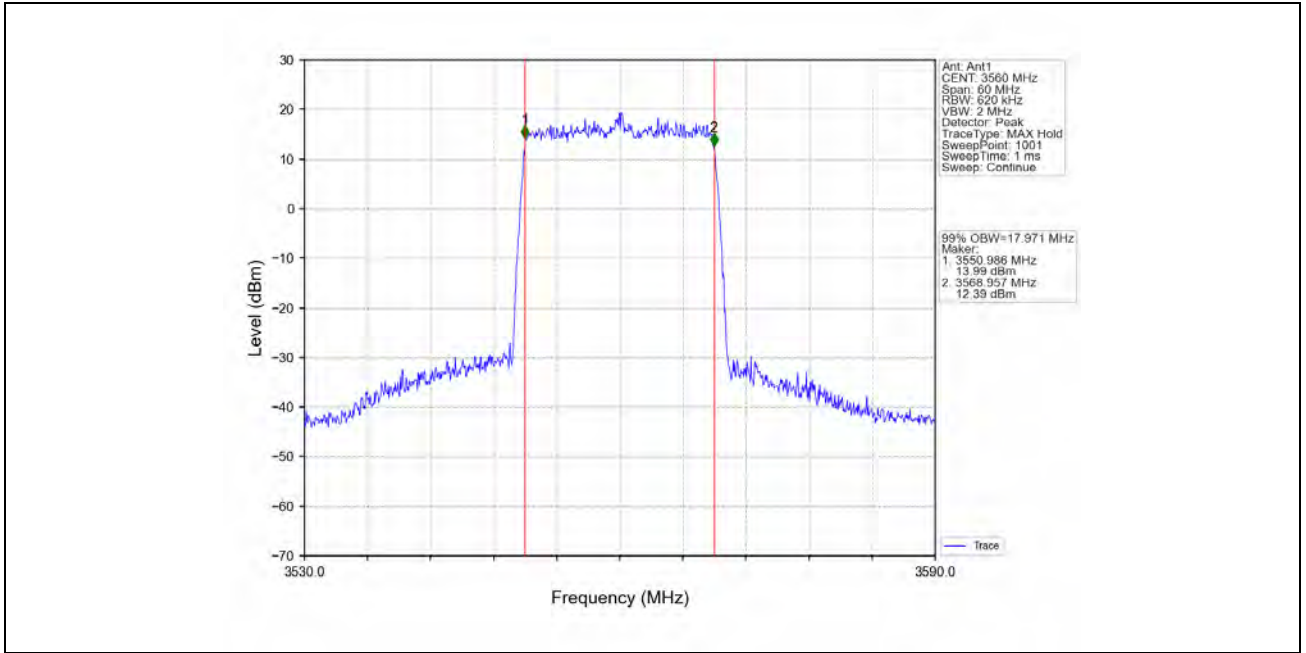


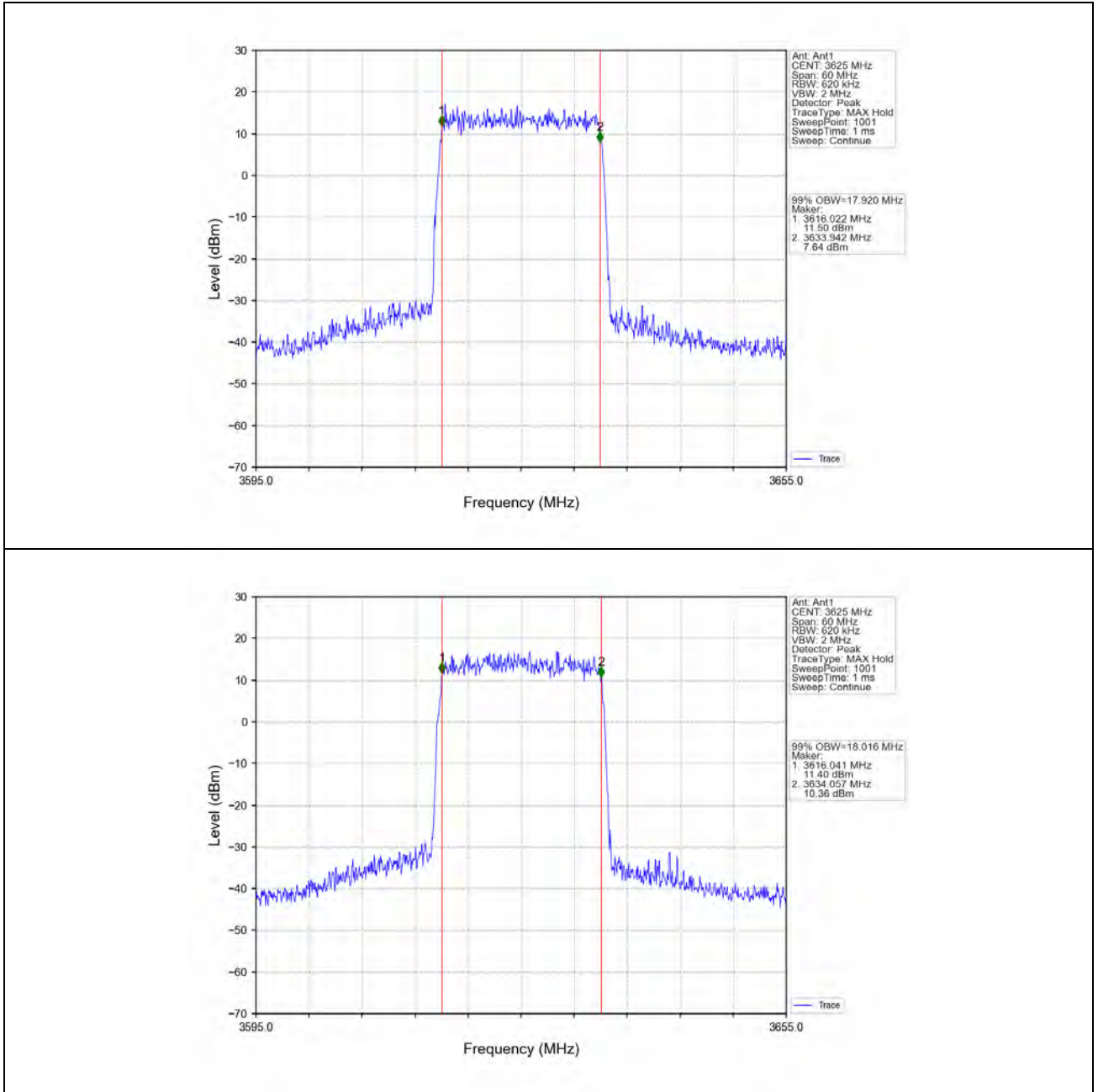


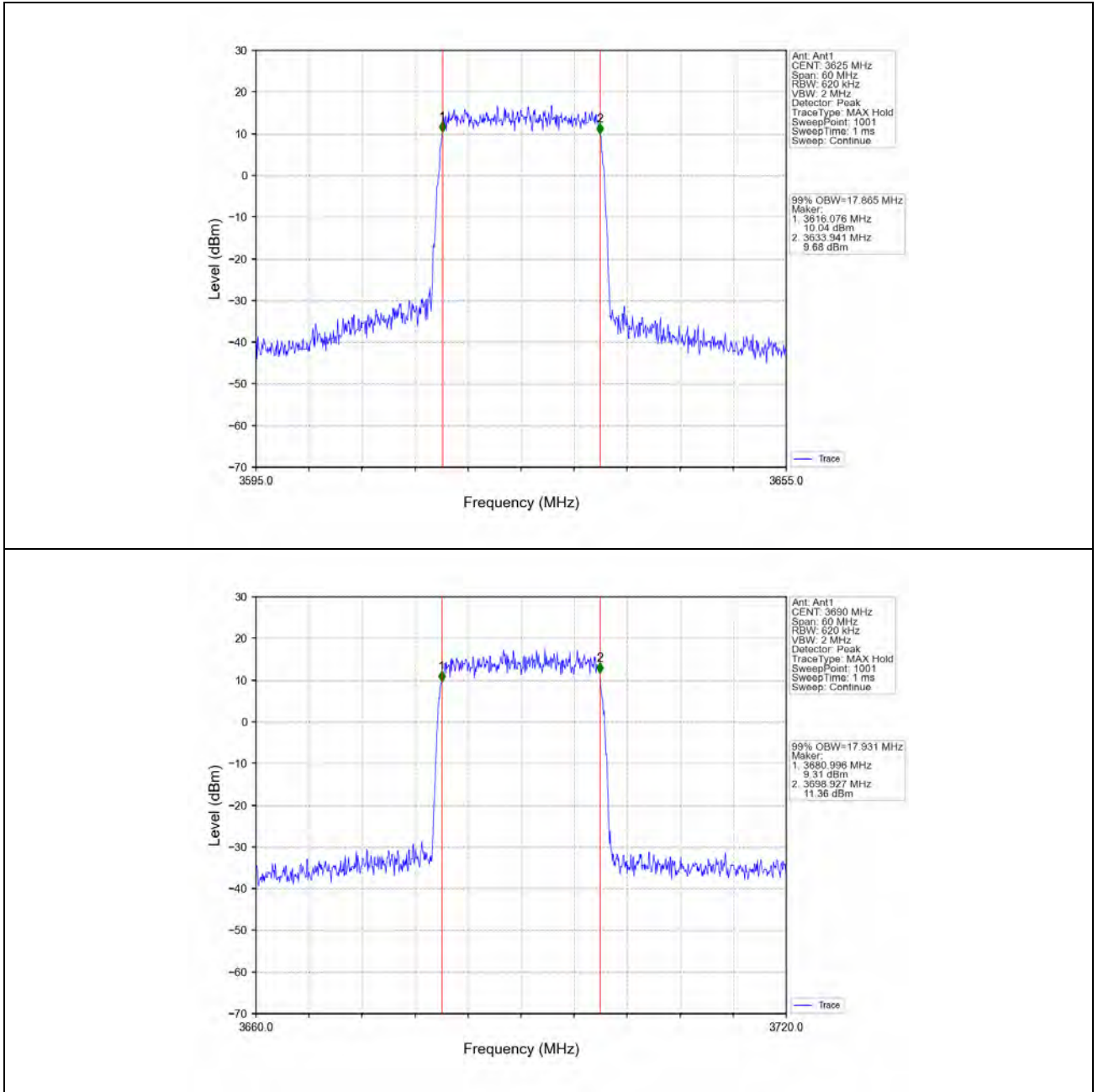


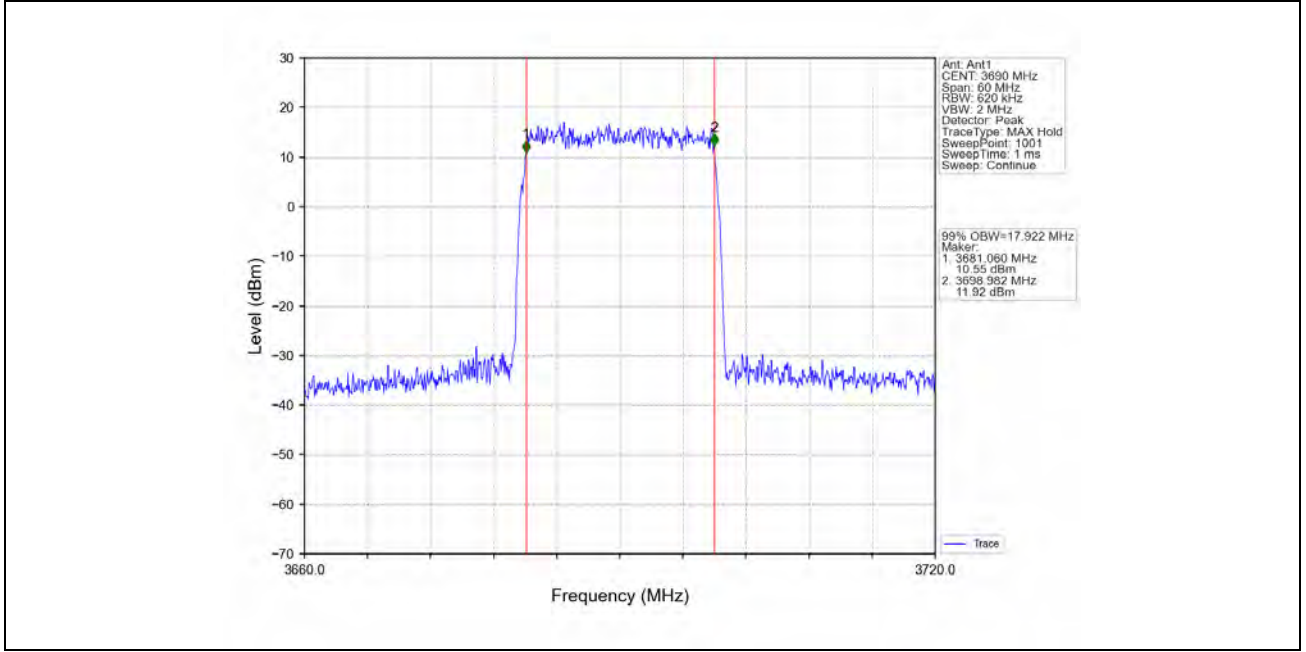
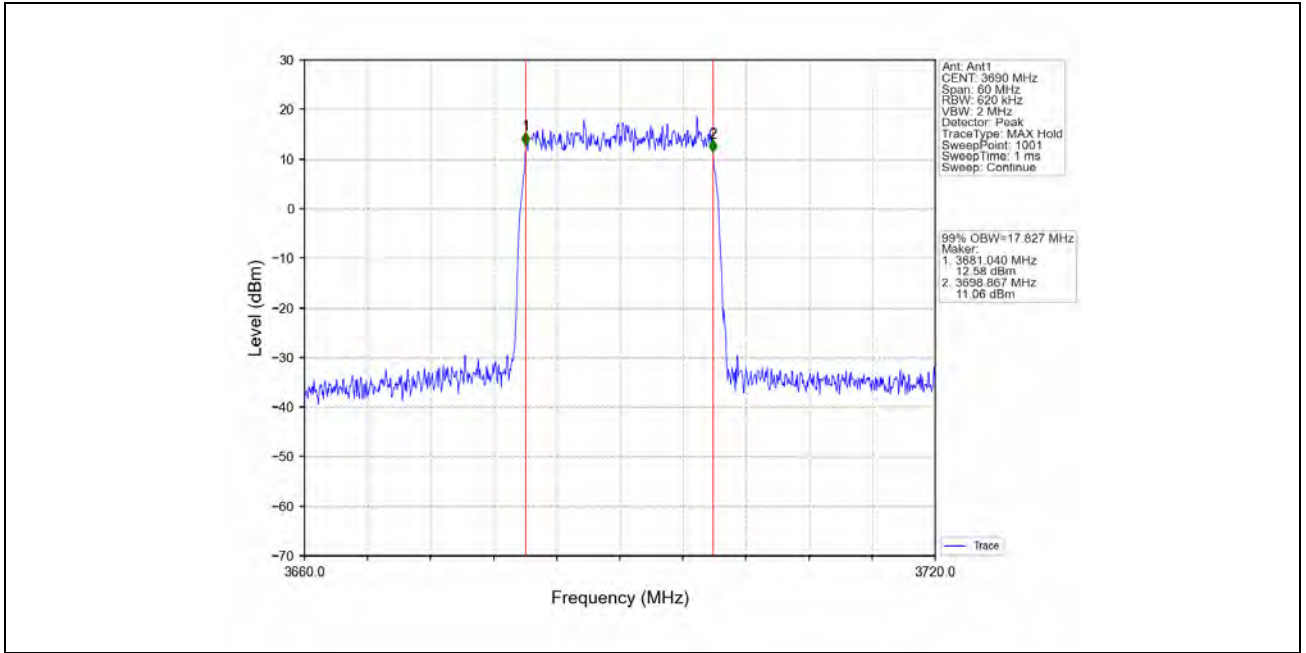










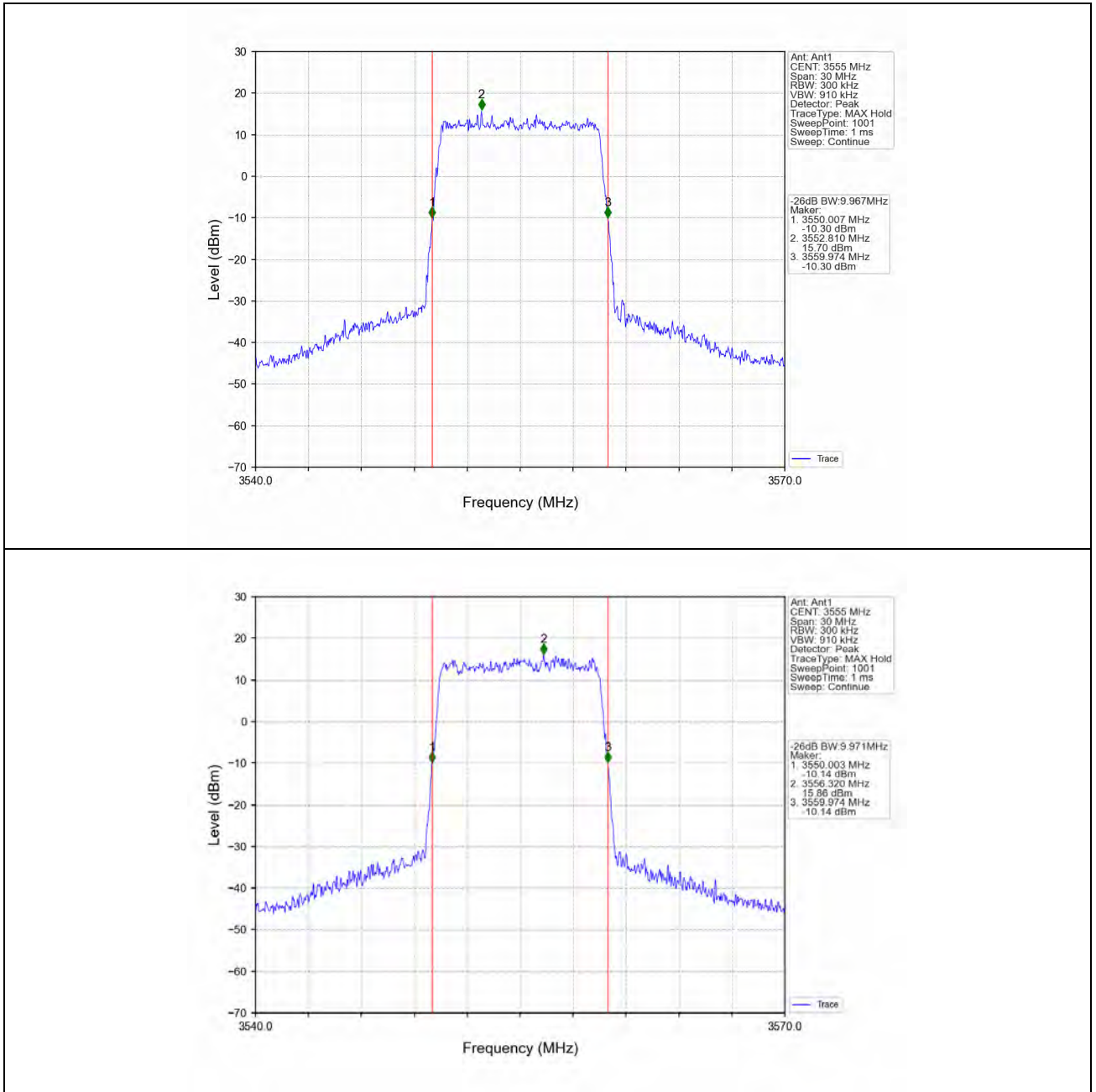


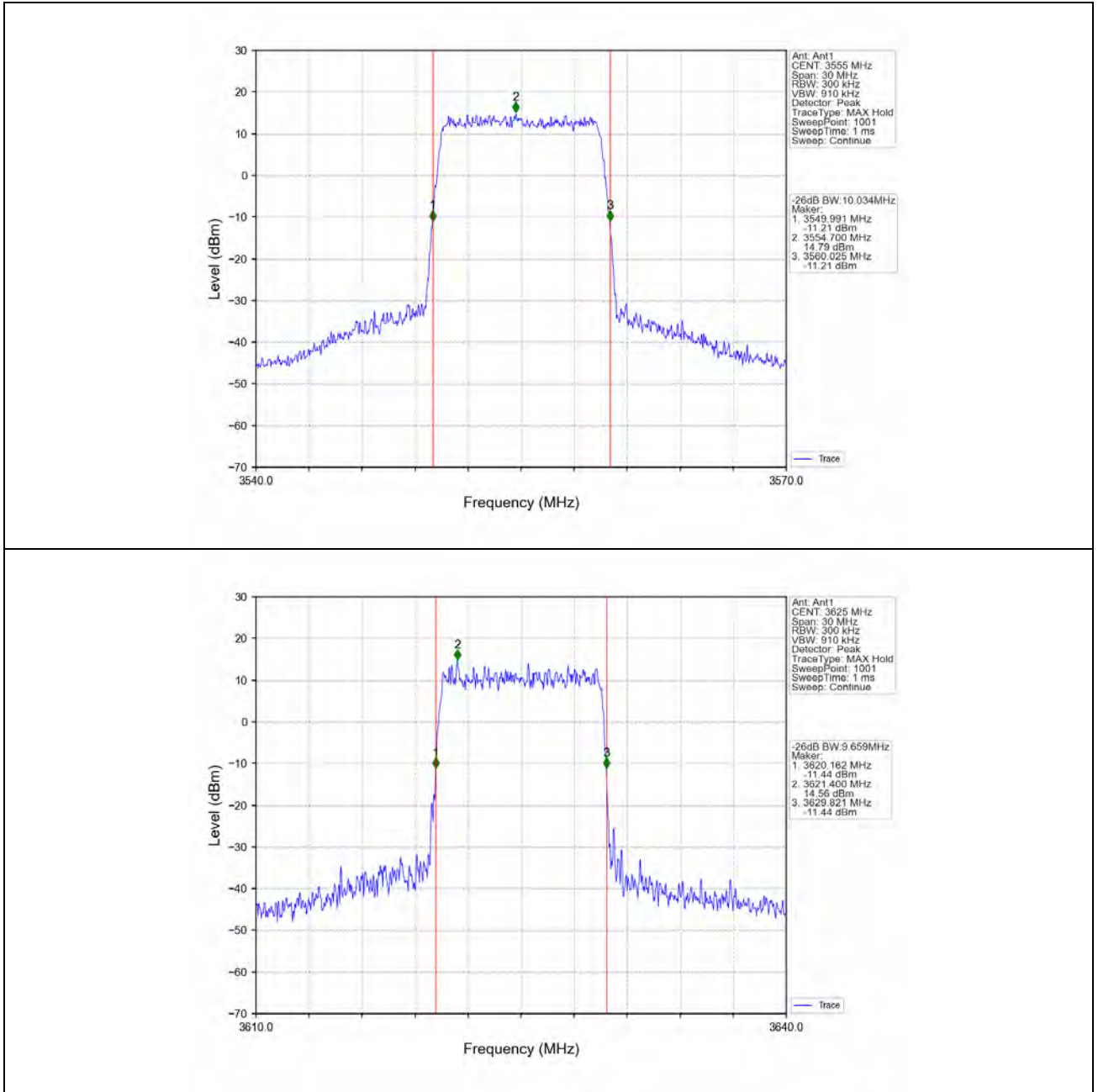
4.2 Single_XDB

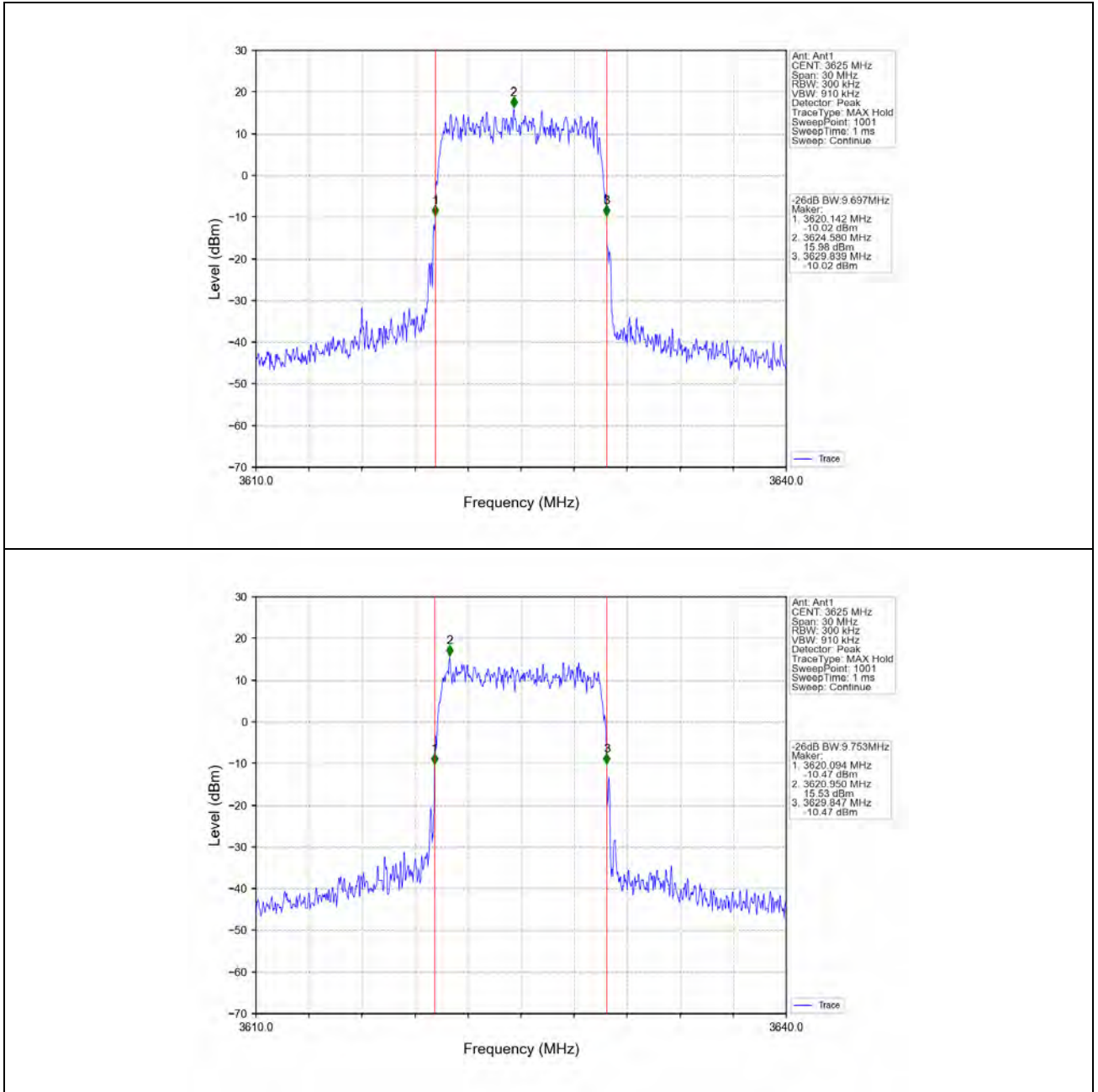
4.2.1 Test Result

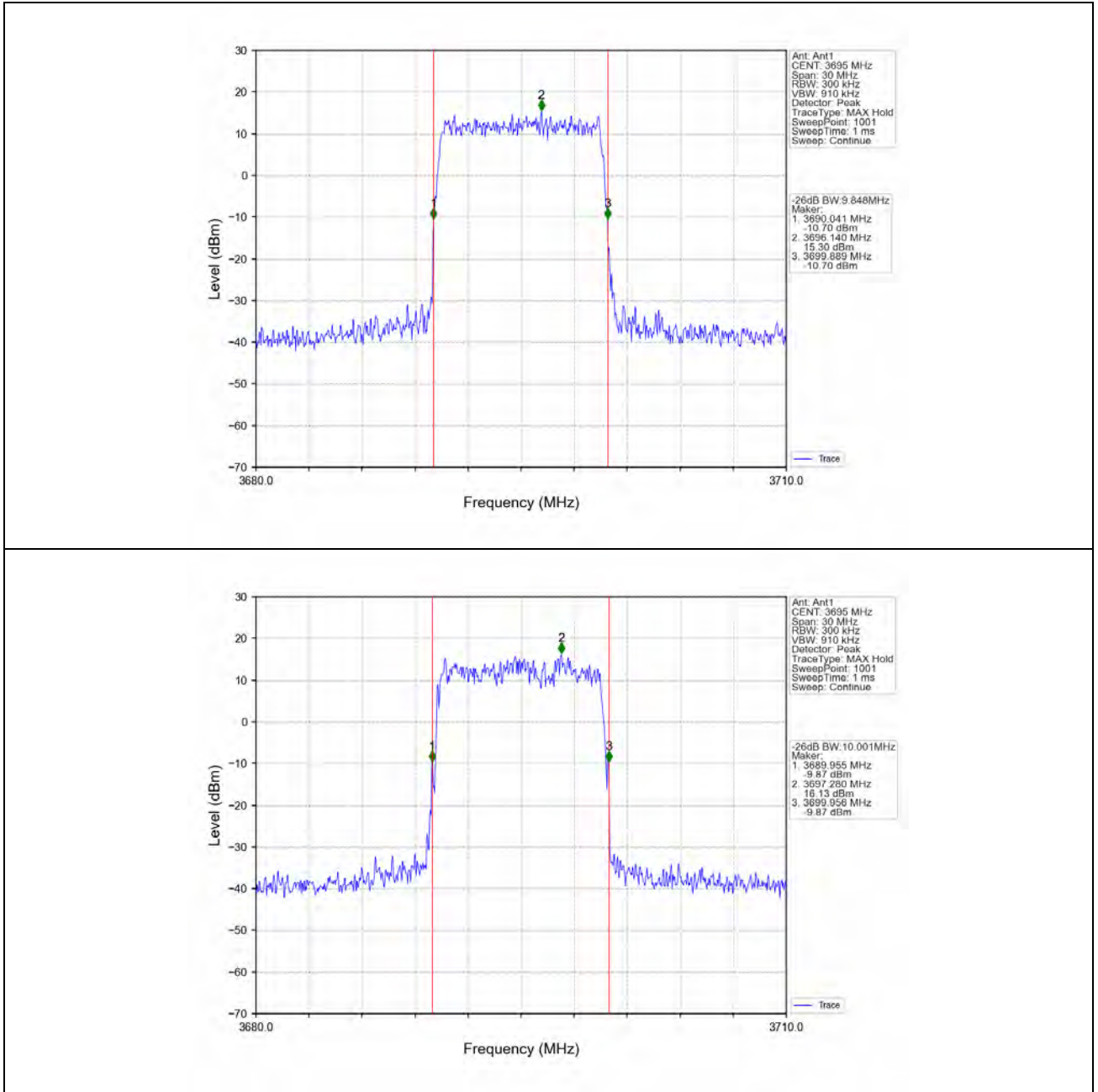
Band 48 Single NTNV						
BW (MHz)	DL Frequency (MHz)	Test Mode	Ant No.	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
CC1:10	CC1:3555	QPSK	1	9.97	/	Pass
		16QAM	1	9.97	/	Pass
		64QAM	1	10.03	/	Pass
	CC1:3625	QPSK	1	9.66	/	Pass
		16QAM	1	9.70	/	Pass
		64QAM	1	9.75	/	Pass
	CC1:3695	QPSK	1	9.85	/	Pass
		16QAM	1	10.00	/	Pass
		64QAM	1	9.89	/	Pass
CC1:20	CC1:3560	QPSK	1	19.37	/	Pass
		16QAM	1	19.34	/	Pass
		64QAM	1	19.43	/	Pass
	CC1:3625	QPSK	1	19.24	/	Pass
		16QAM	1	19.28	/	Pass
		64QAM	1	19.24	/	Pass
	CC1:3690	QPSK	1	19.33	/	Pass
		16QAM	1	19.21	/	Pass
		64QAM	1	19.33	/	Pass

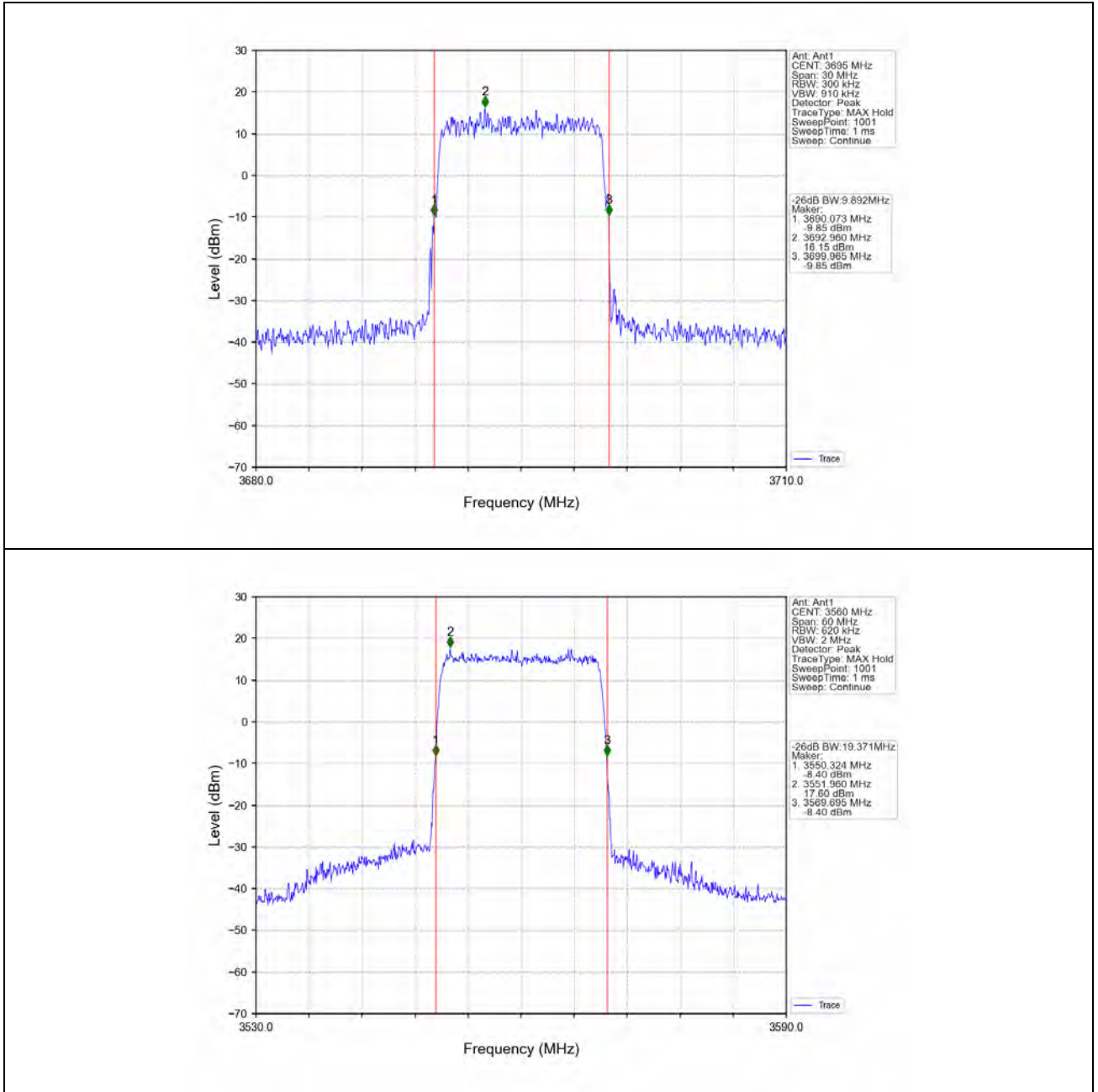
4.2.2 Test Graph

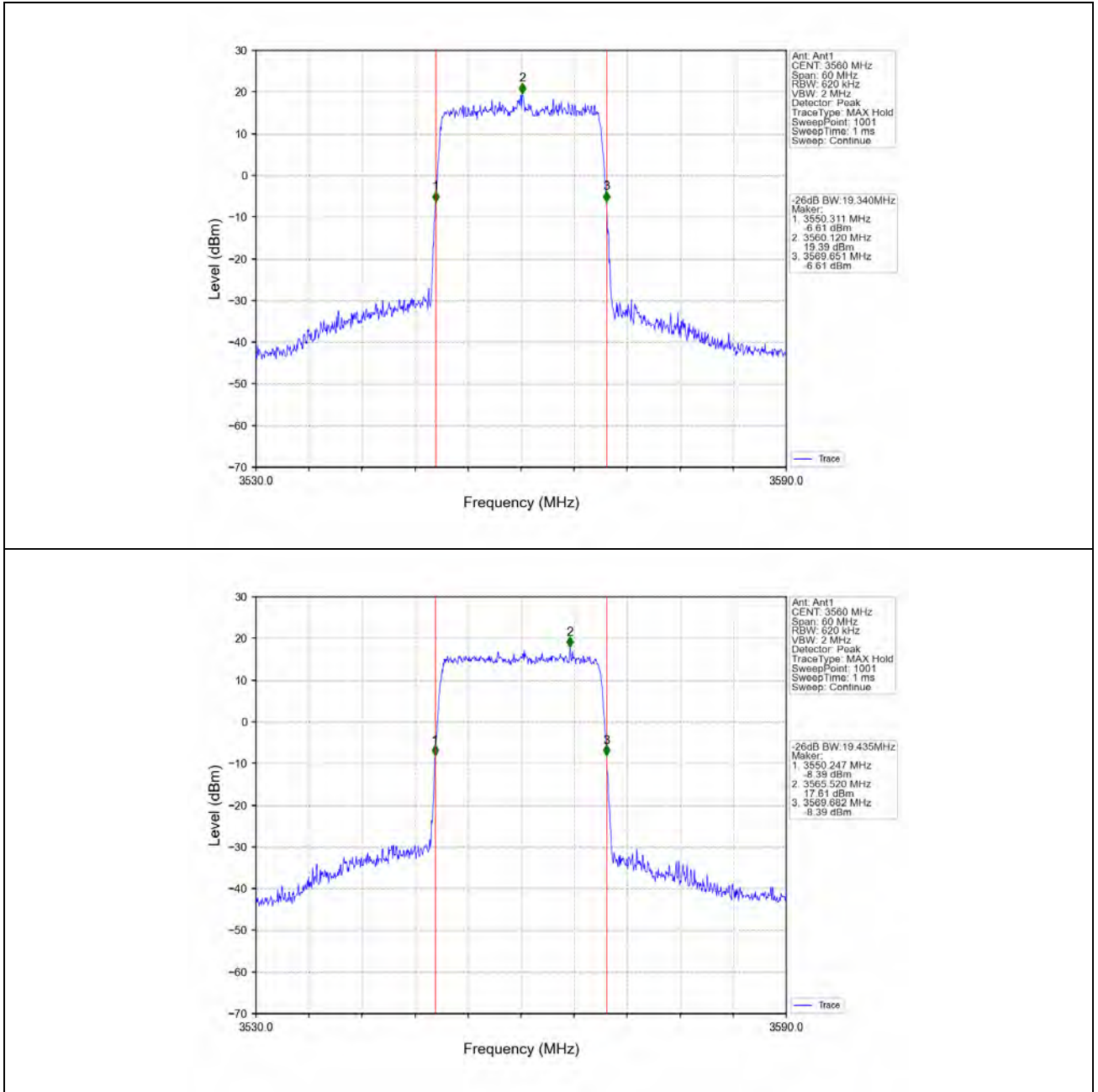


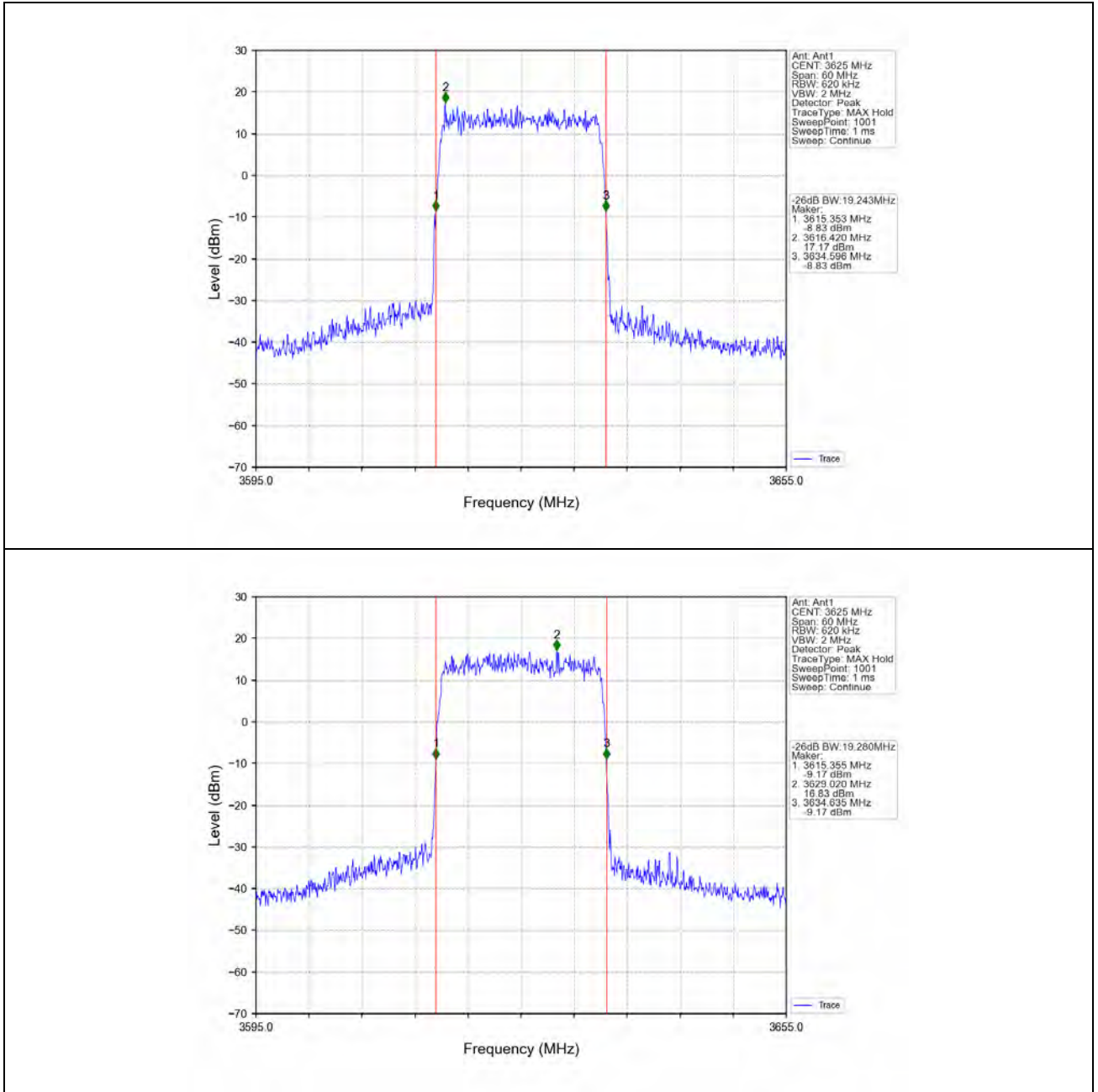


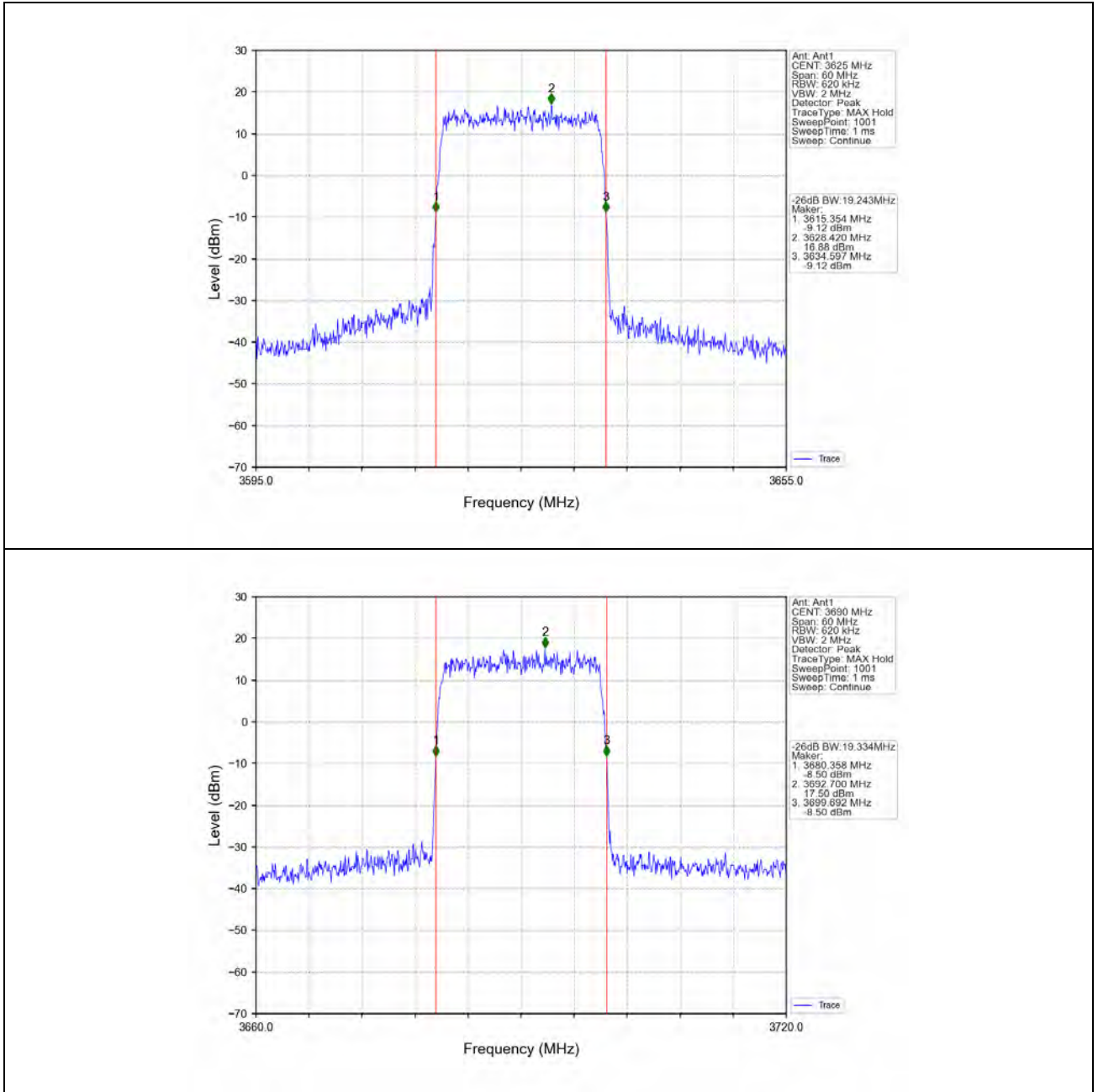


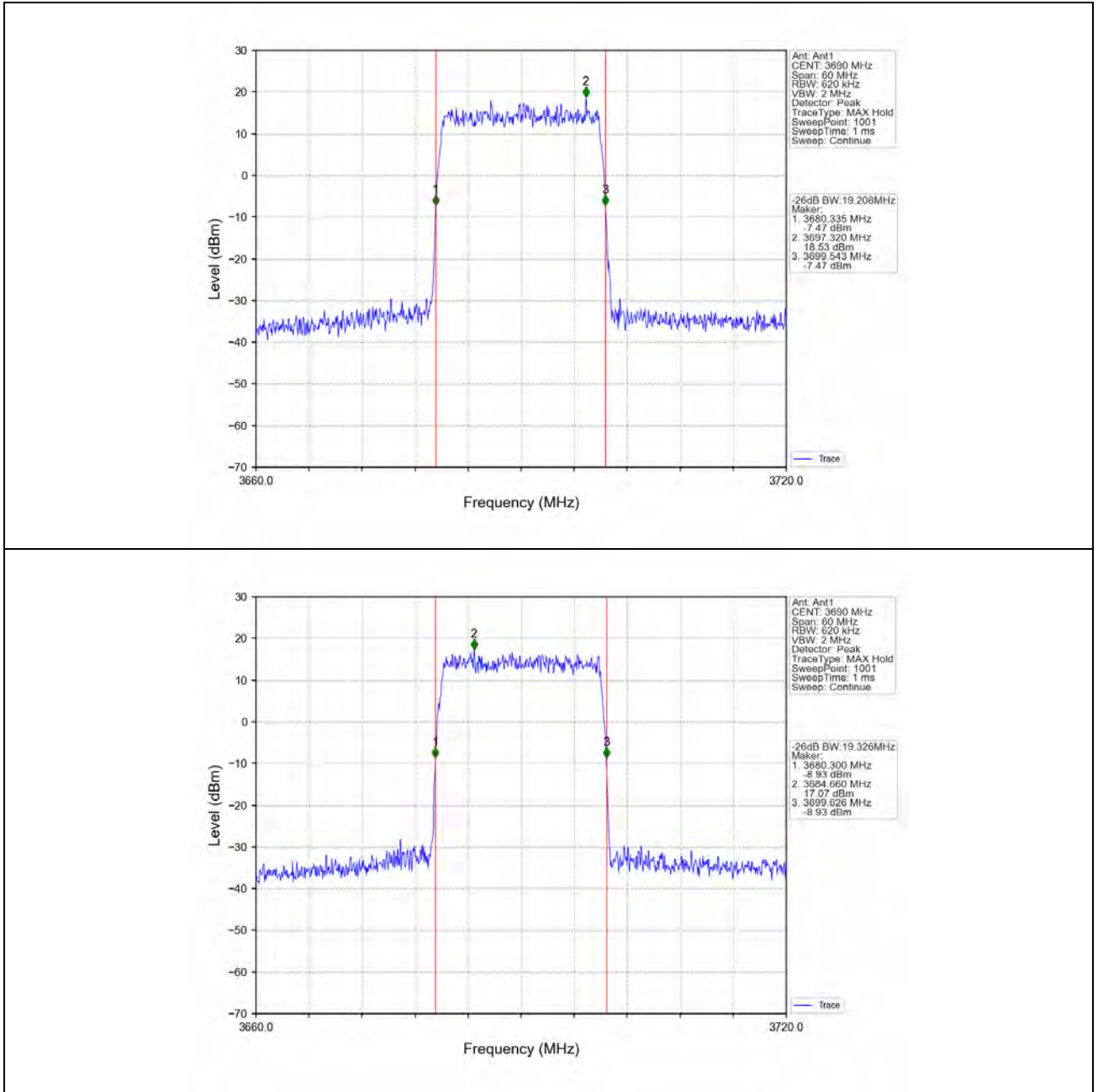












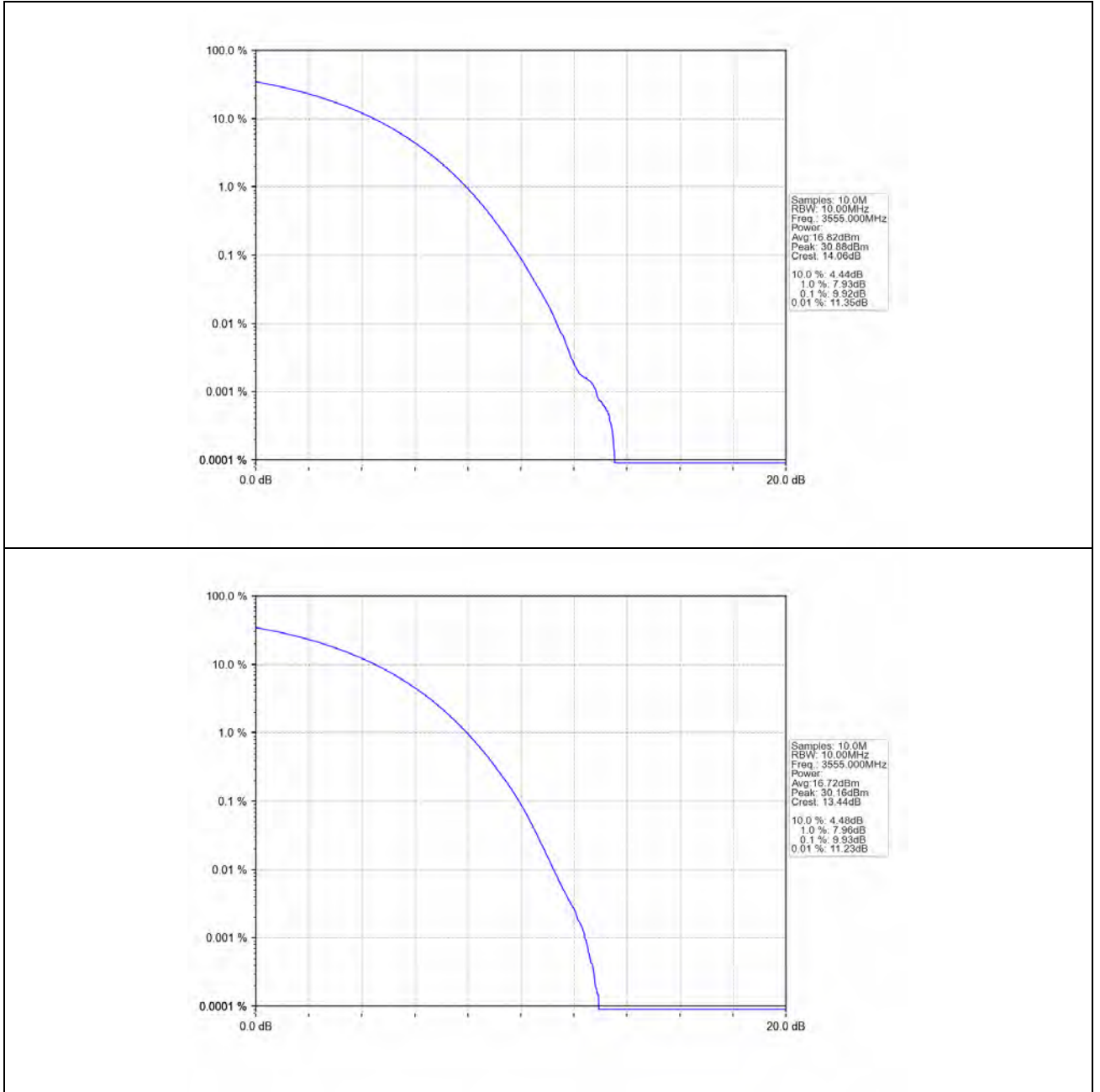
5. Peak-Average Ratio

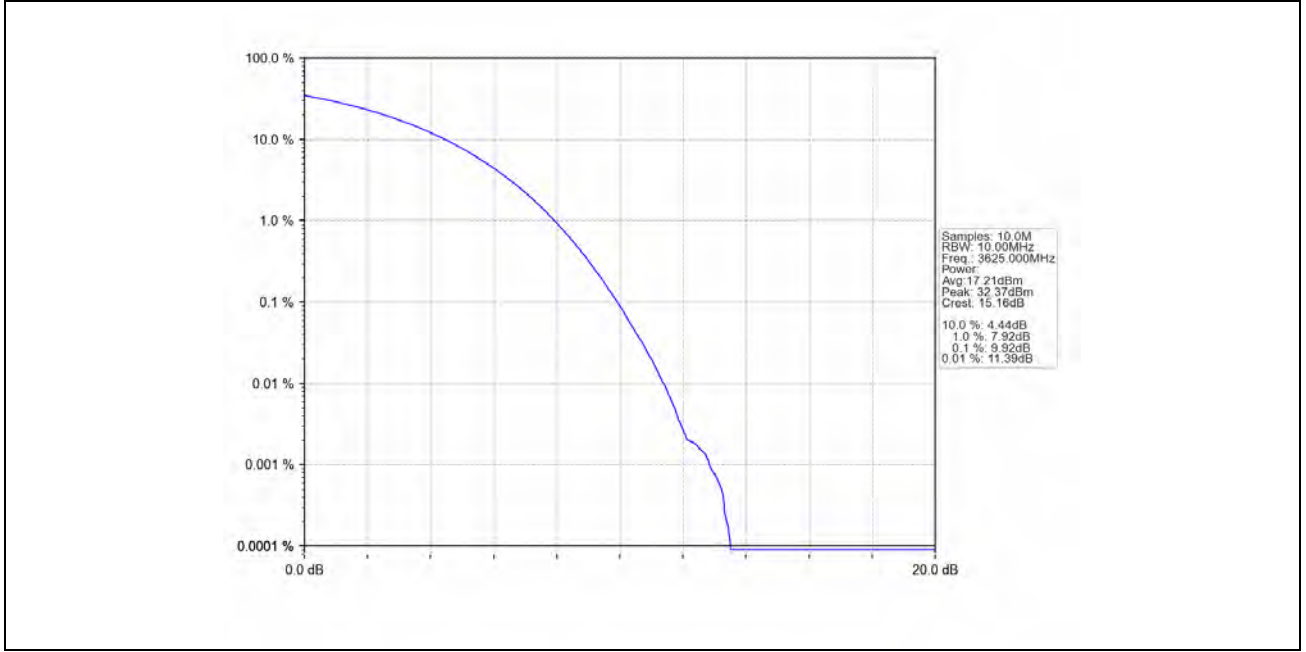
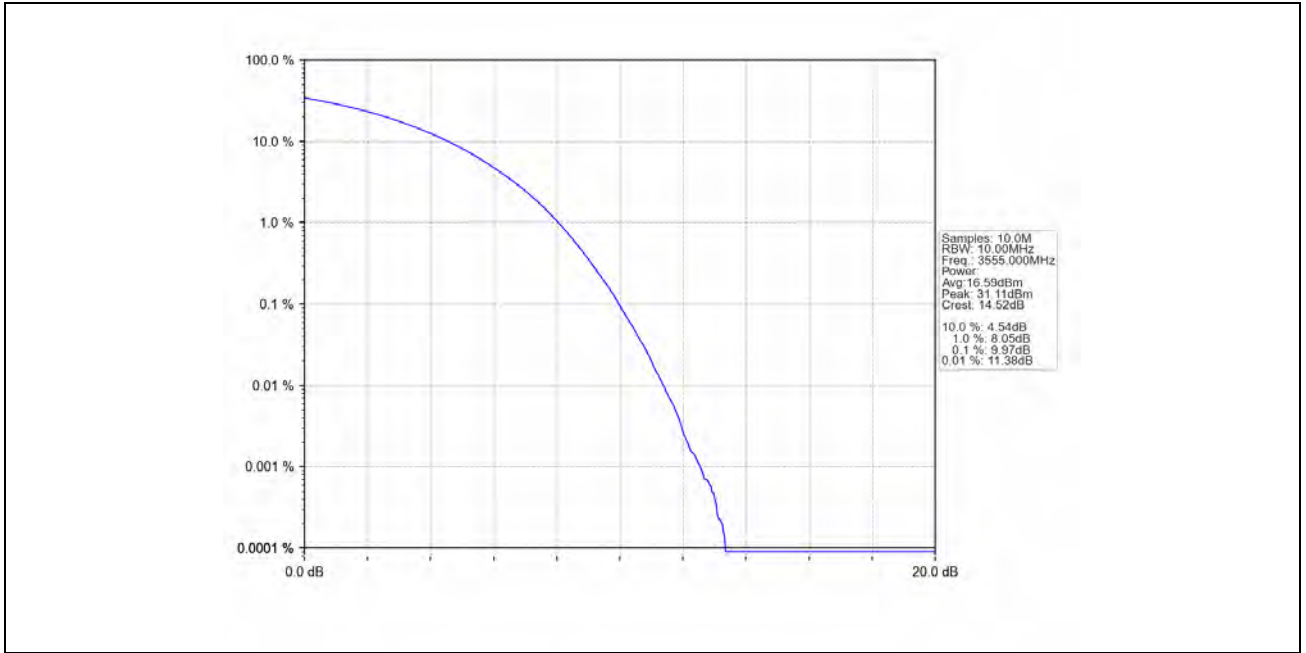
5.1 Single

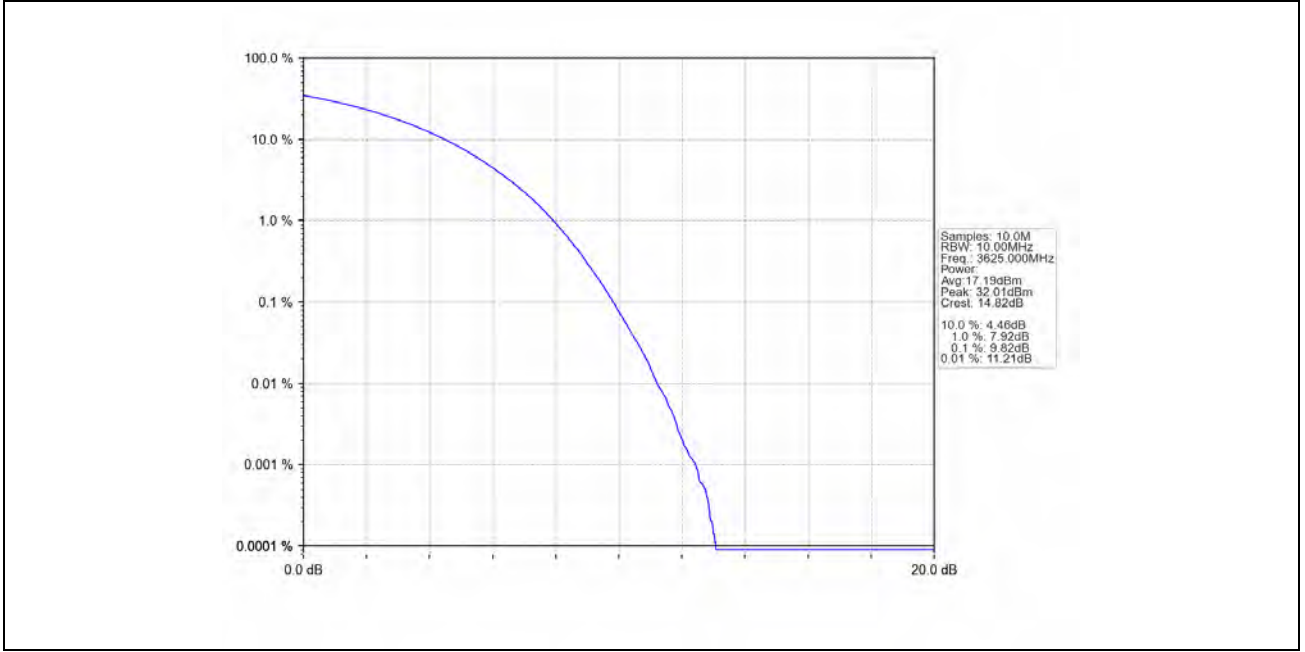
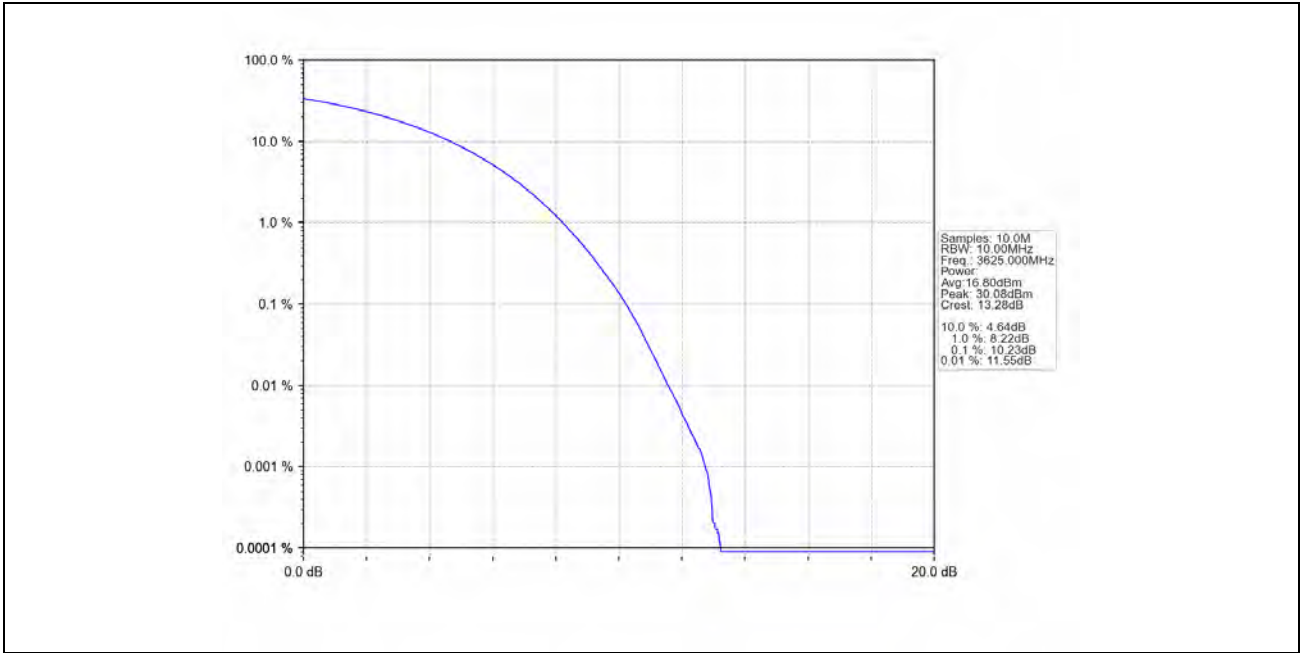
5.1.1 Test Result

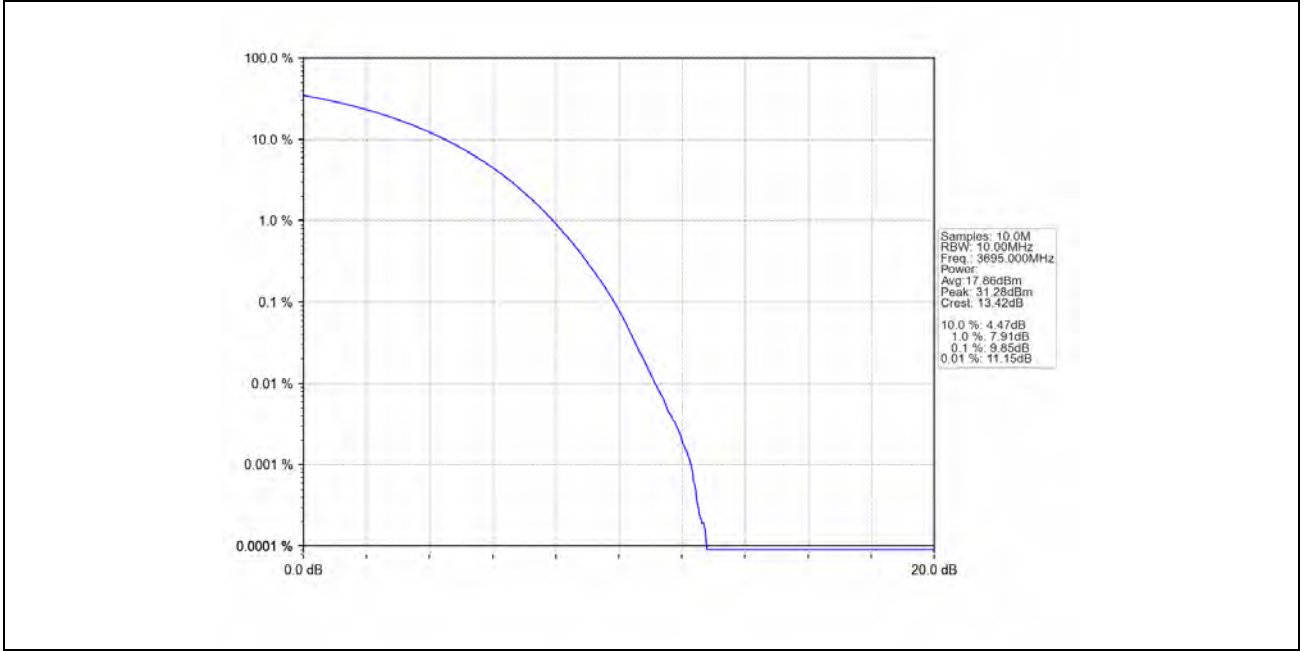
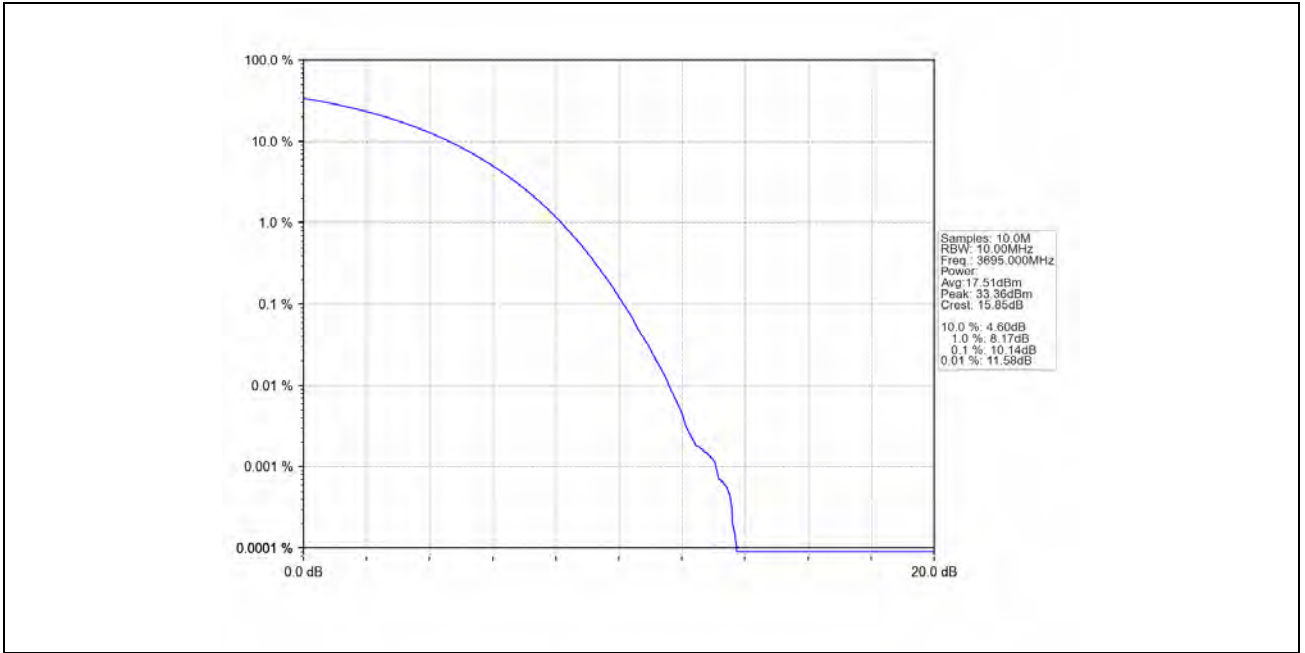
Band 48 Single NTN Ant1						
BW (MHz)	DL Frequency (MHz)	Test Mode	Ant No.	Peak-Average Ratio (dB)		Verdict
				Result	Limit	
CC1:10	CC1:3555	QPSK	1	9.92	<=13	Pass
		16QAM	1	9.93	<=13	Pass
		64QAM	1	9.97	<=13	Pass
	CC1:3625	QPSK	1	9.92	<=13	Pass
		16QAM	1	10.23	<=13	Pass
		64QAM	1	9.82	<=13	Pass
	CC1:3695	QPSK	1	10.14	<=13	Pass
		16QAM	1	9.85	<=13	Pass
		64QAM	1	9.81	<=13	Pass
CC1:20	CC1:3560	QPSK	1	9.85	<=13	Pass
		16QAM	1	9.86	<=13	Pass
		64QAM	1	10.09	<=13	Pass
	CC1:3625	QPSK	1	9.57	<=13	Pass
		16QAM	1	10.04	<=13	Pass
		64QAM	1	9.71	<=13	Pass
	CC1:3690	QPSK	1	9.72	<=13	Pass
		16QAM	1	10.19	<=13	Pass
		64QAM	1	9.74	<=13	Pass

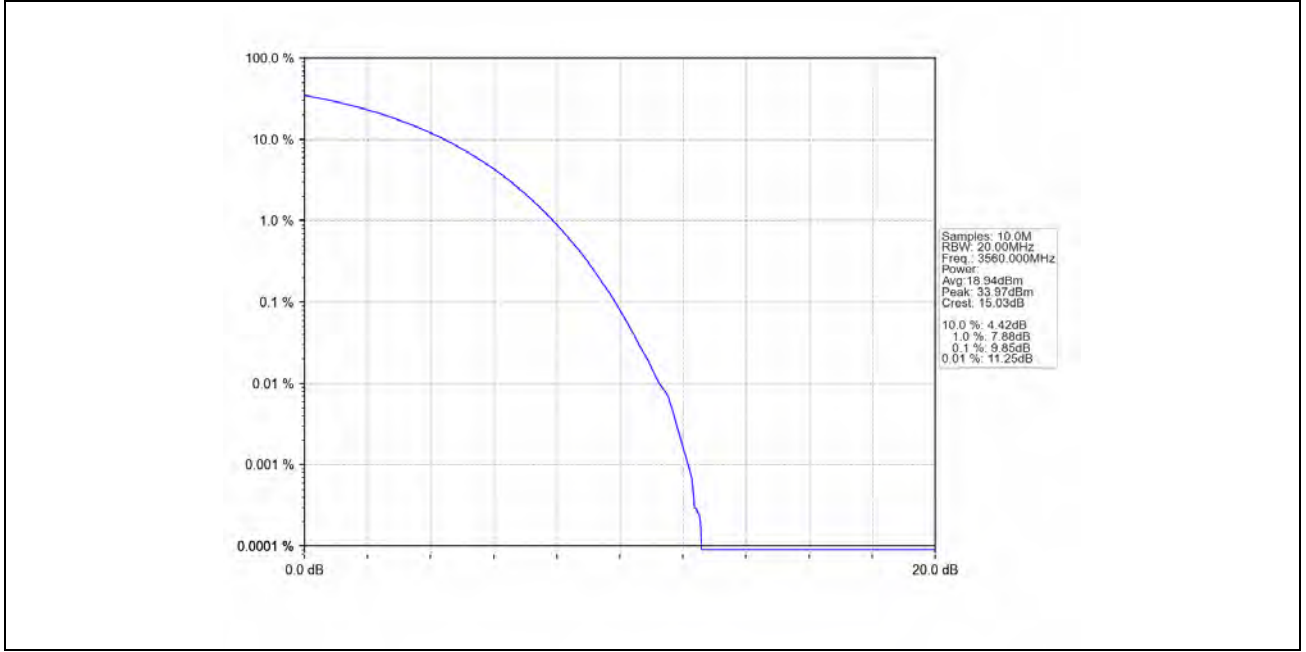
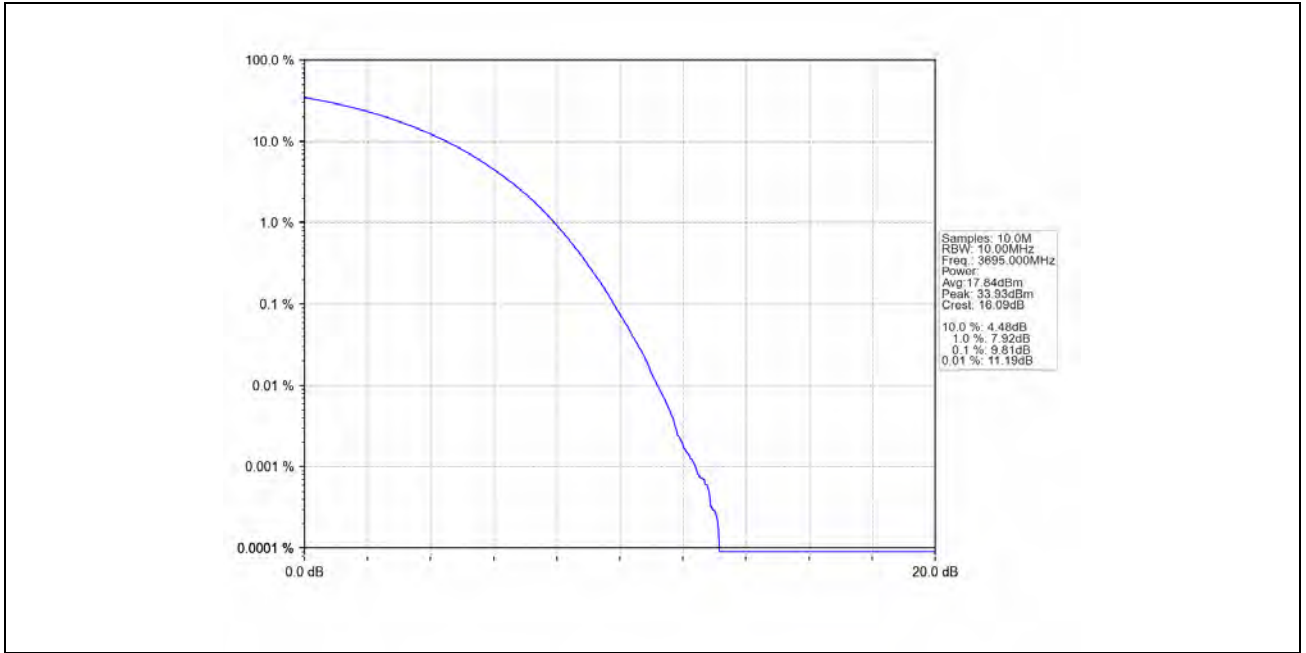
5.1.2 Test Graph

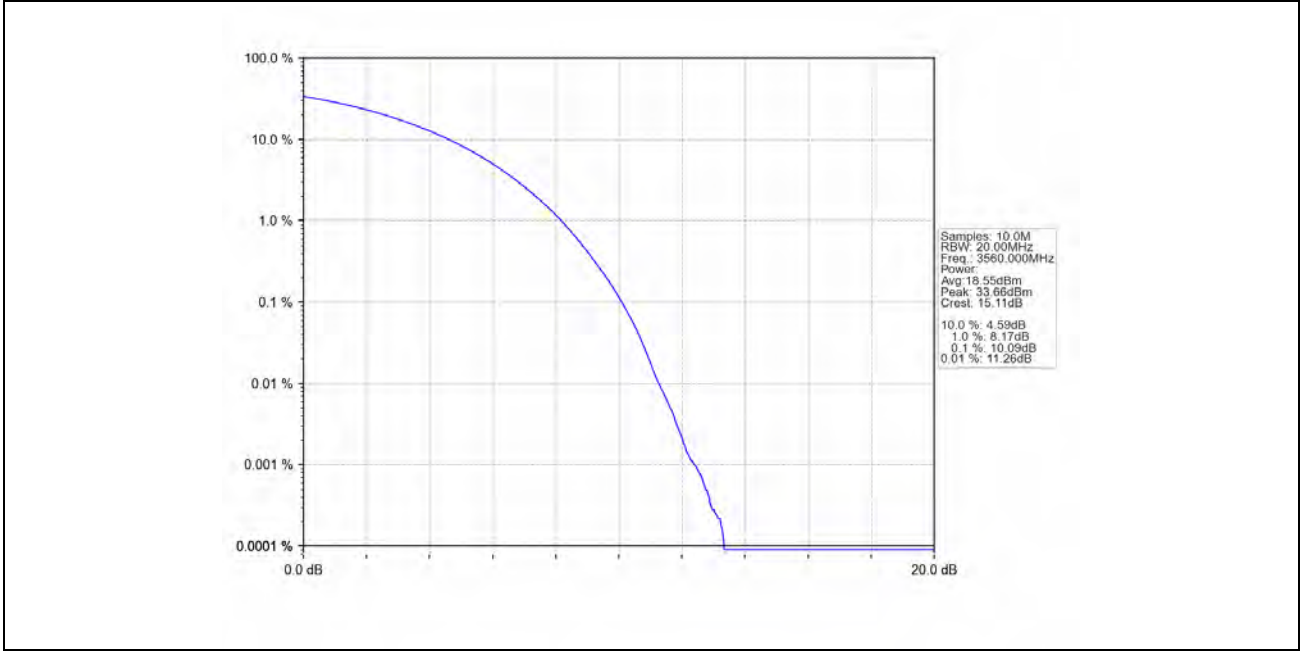
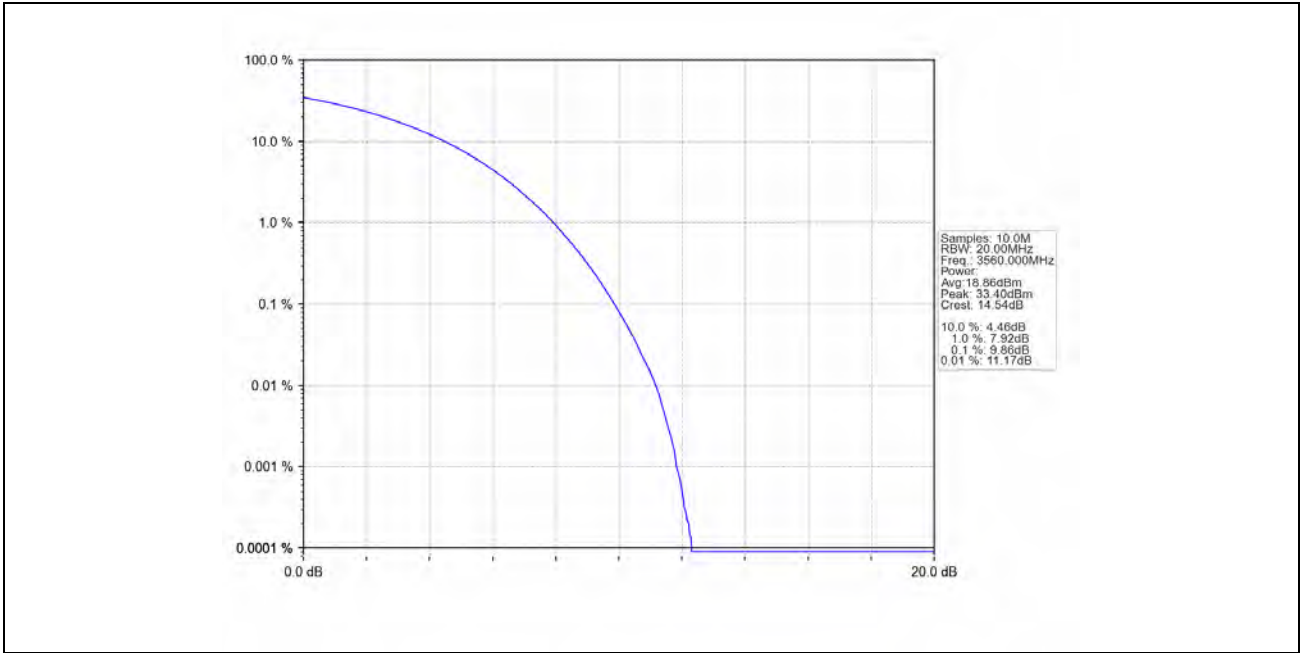


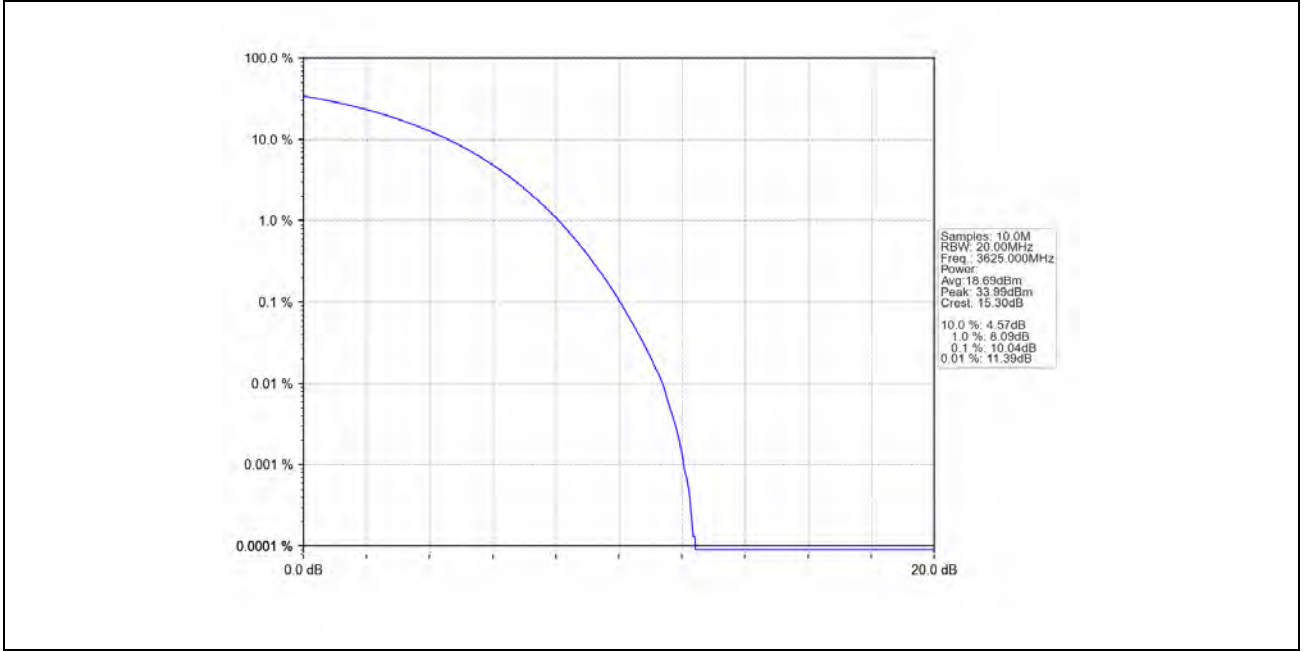
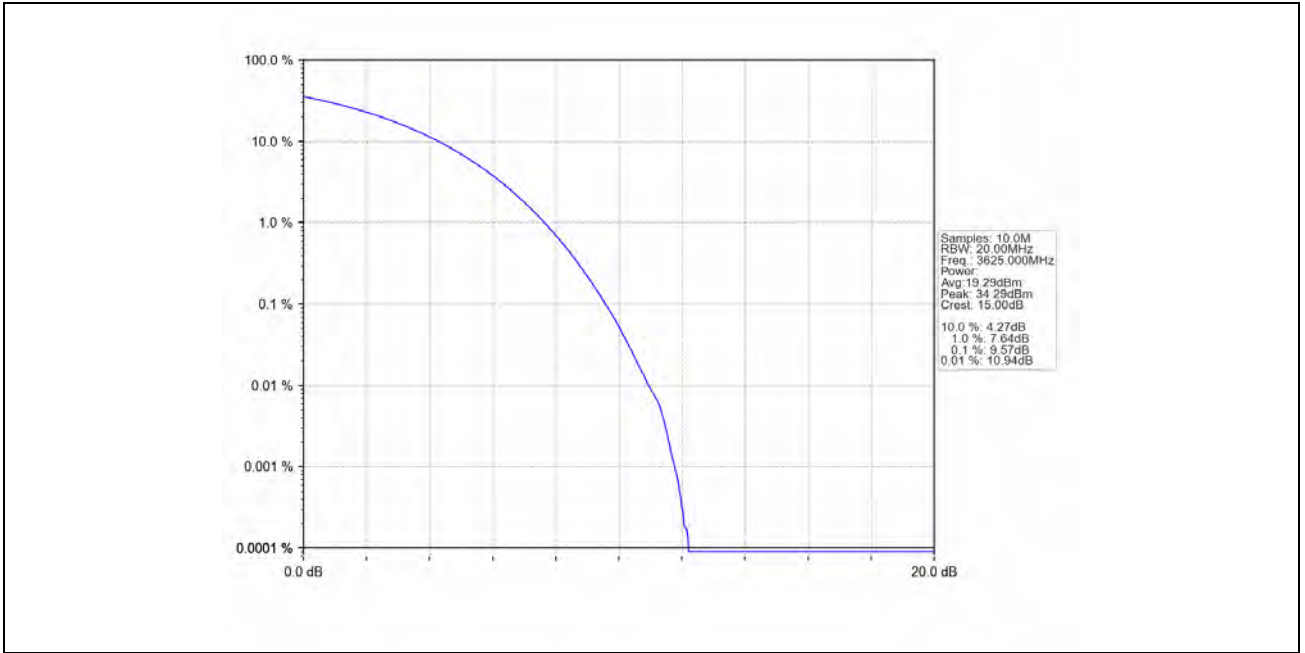


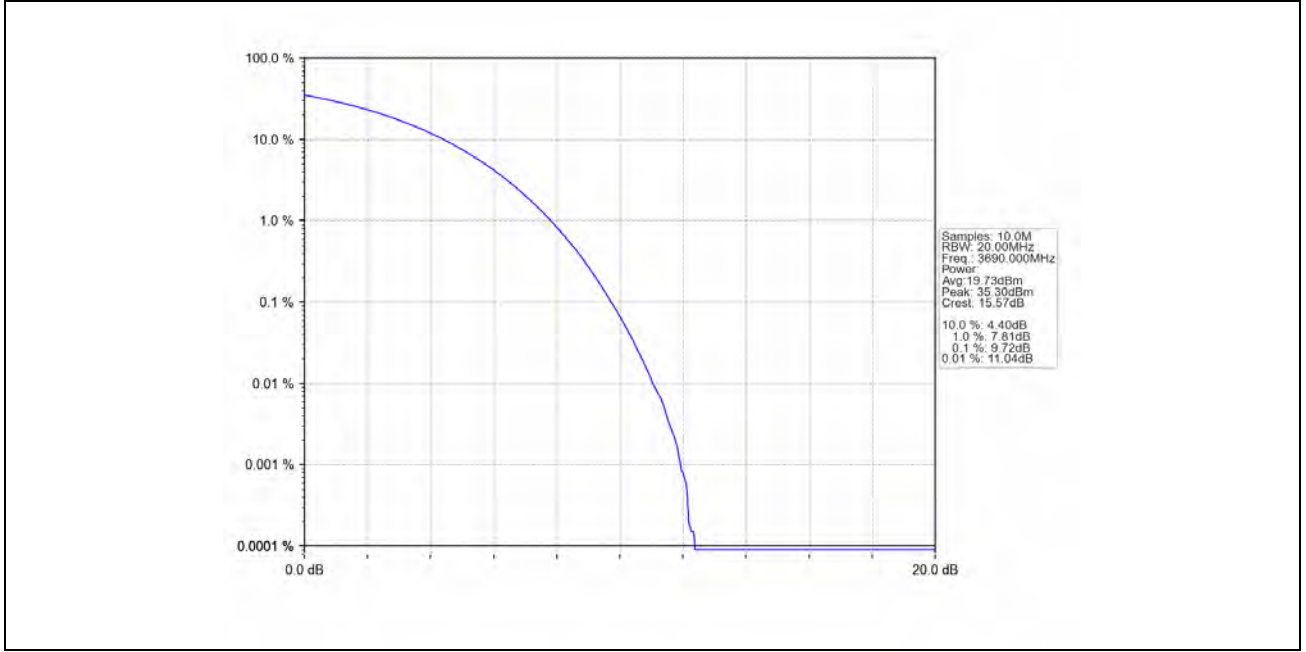
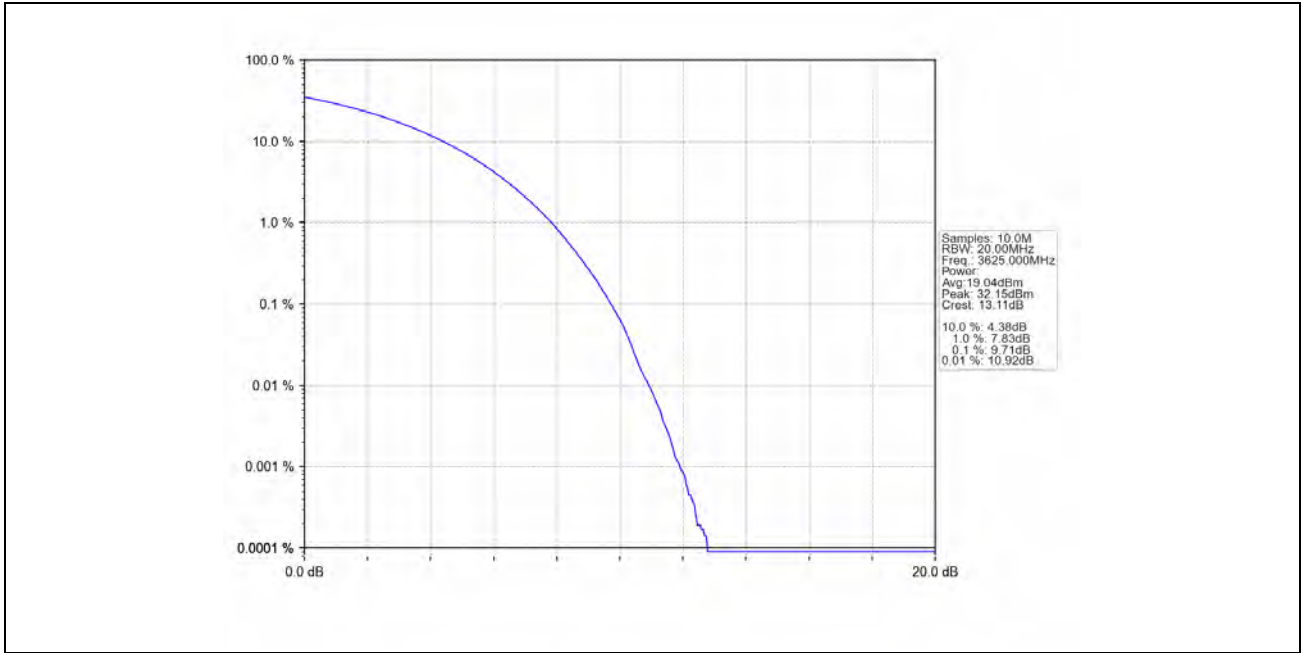


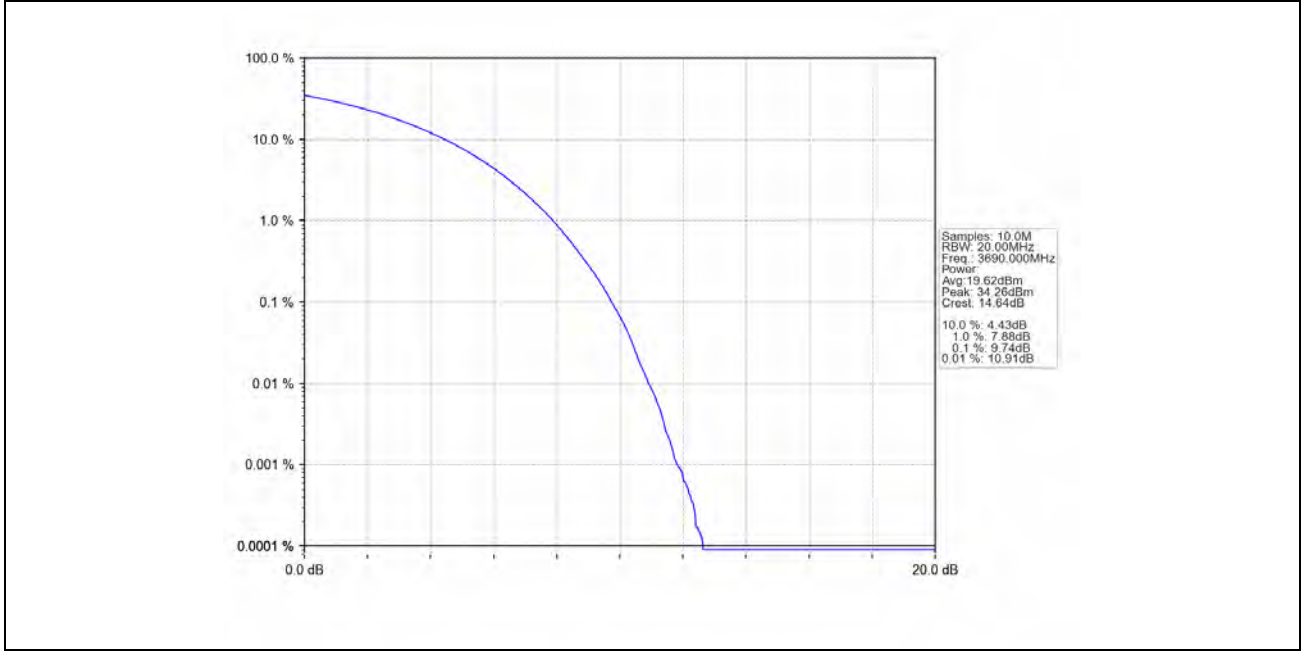
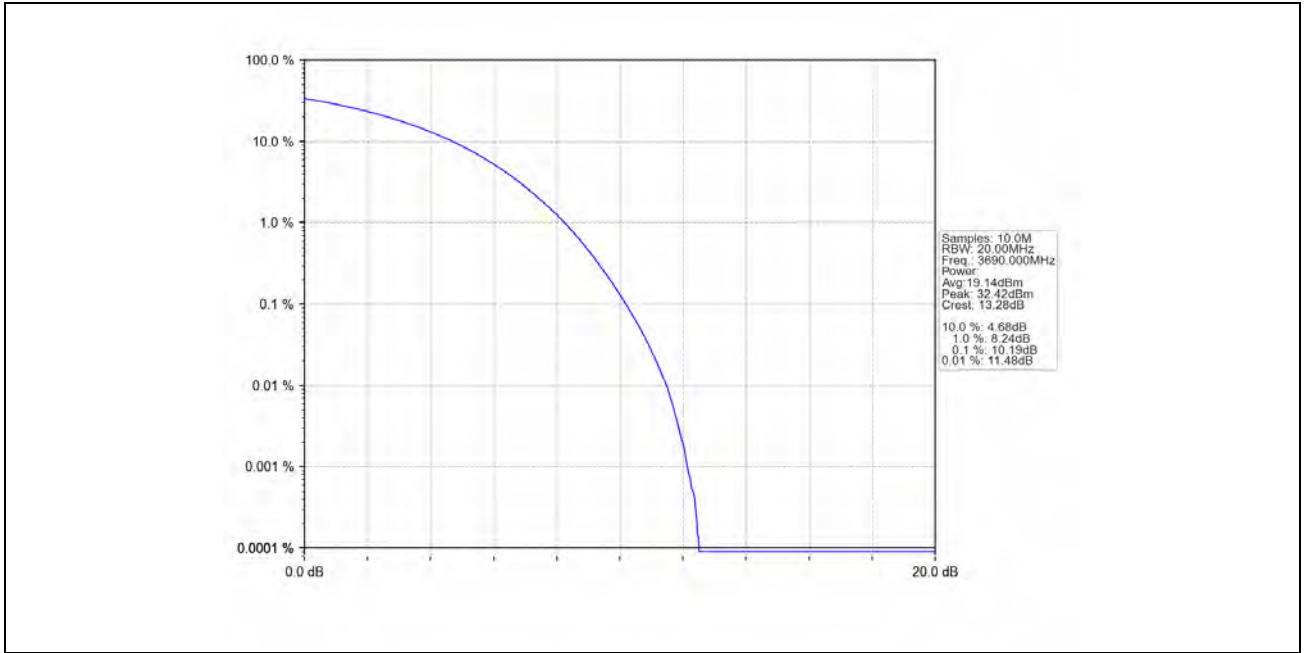












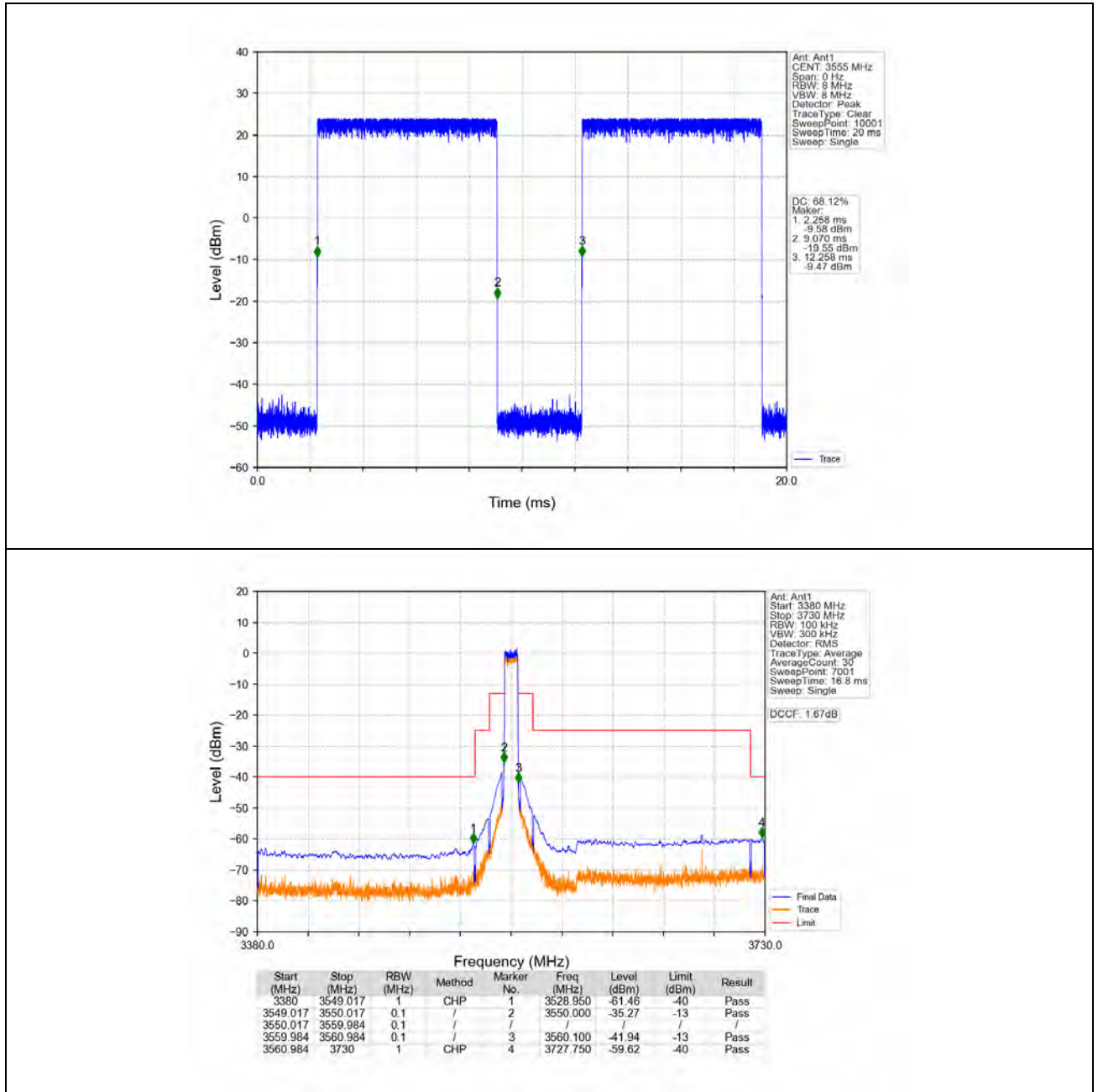
6. Spurious Emission

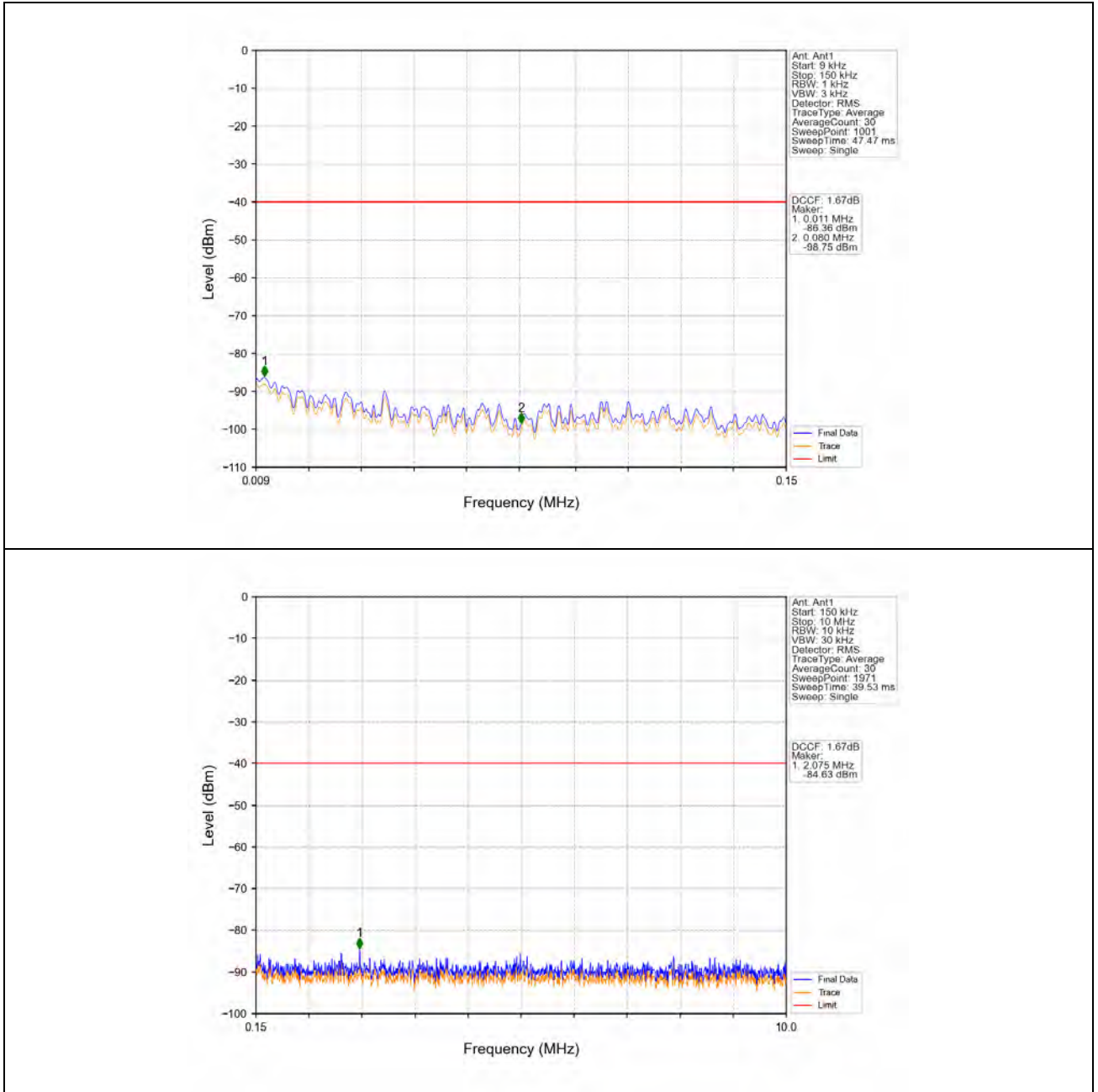
6.1 Single

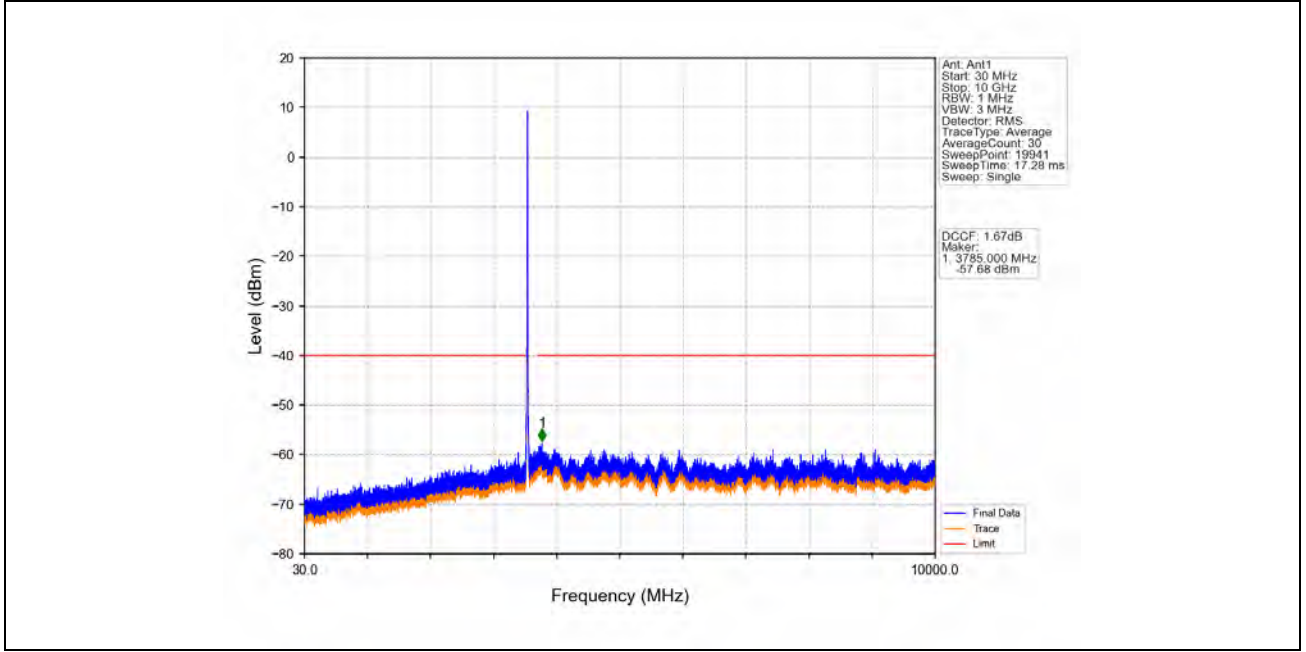
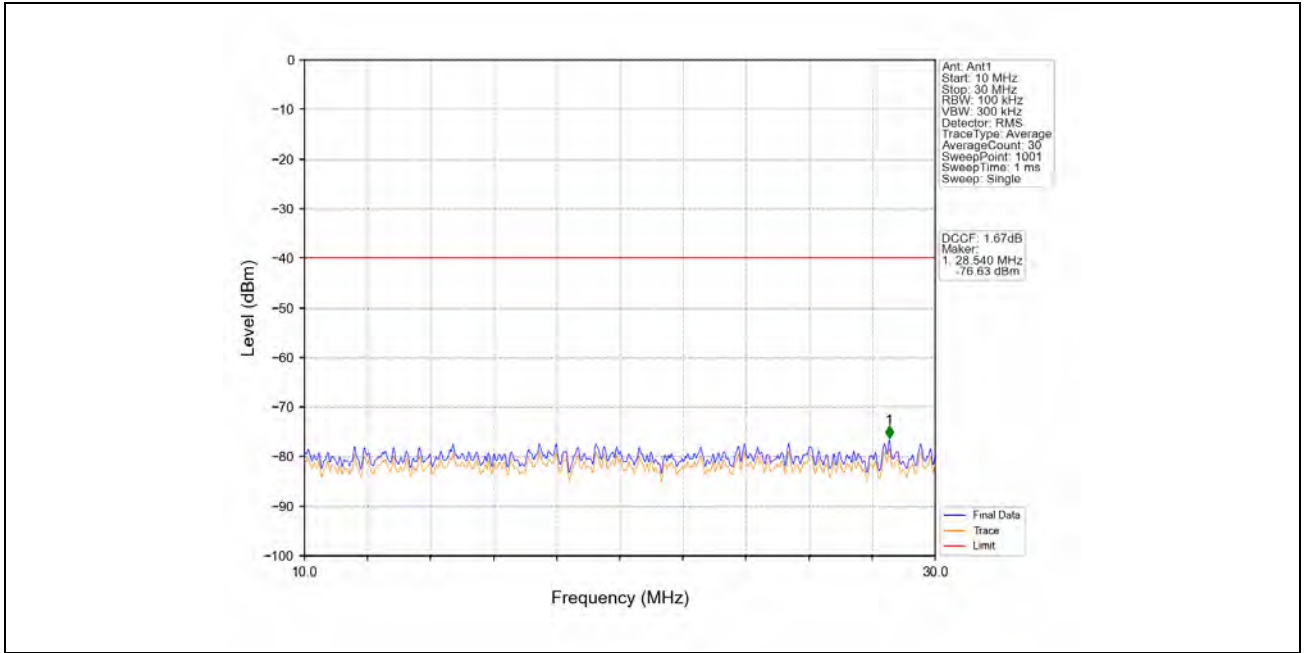
6.1.1 Test Result

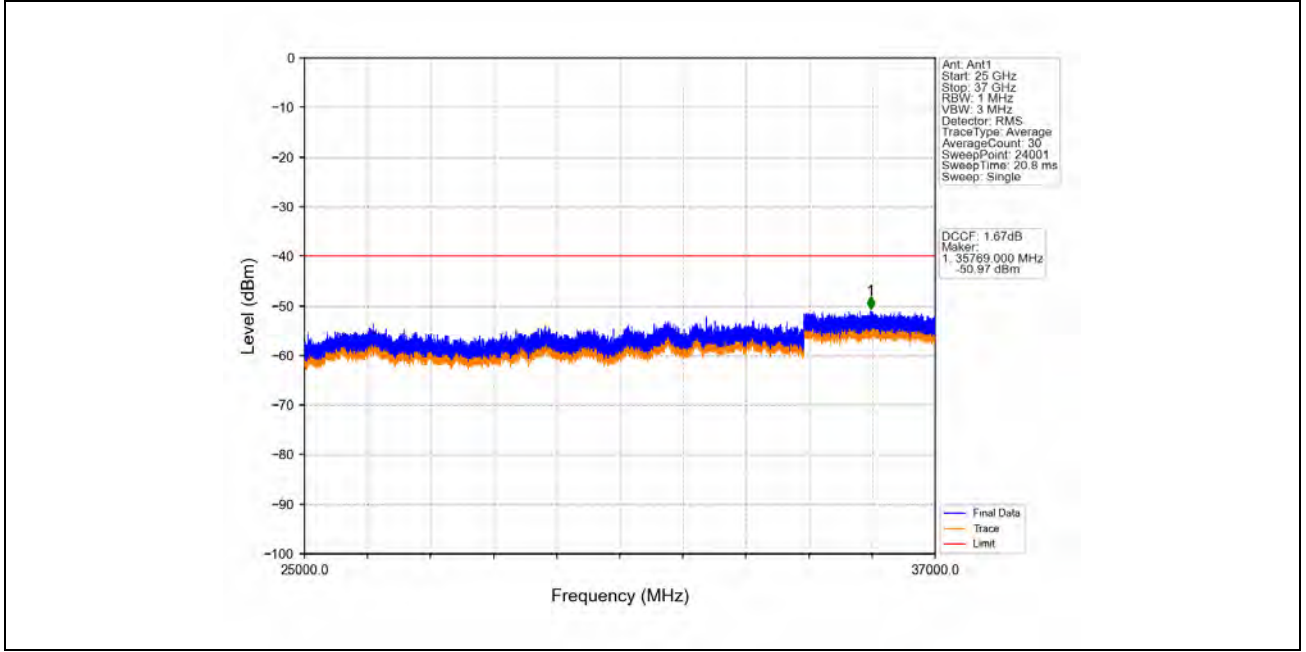
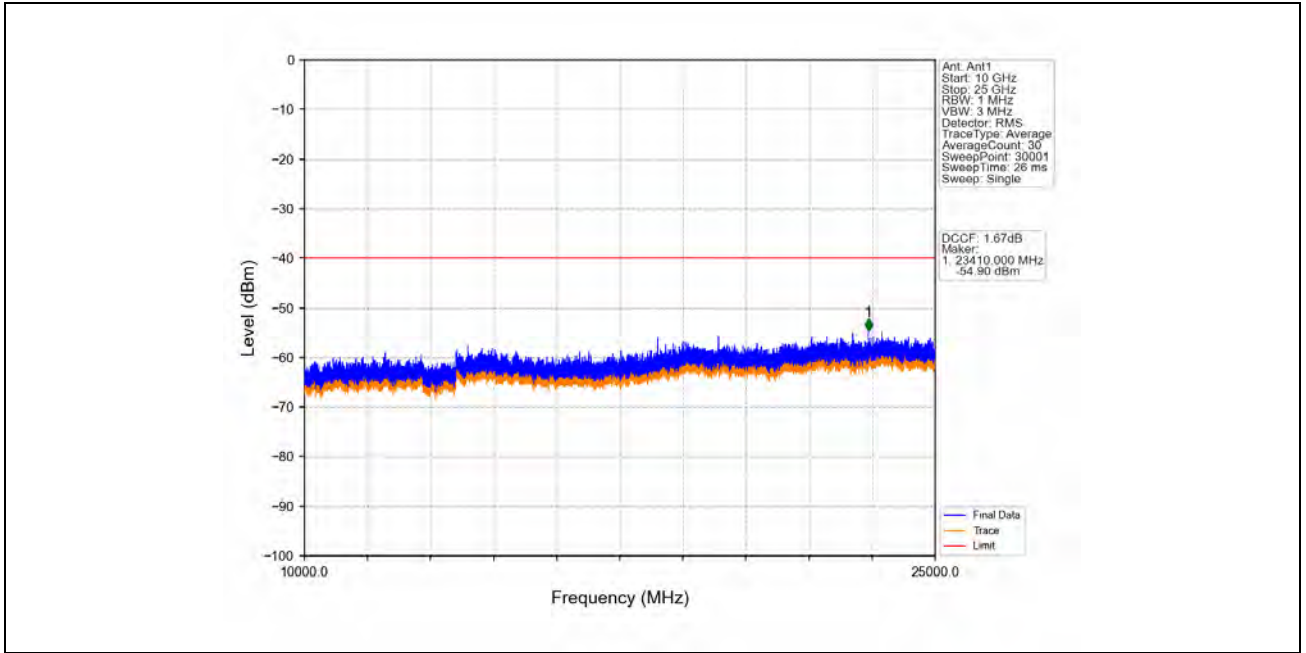
Band 48 Single NTV Ant1						
BW (MHz)	DL Frequency (MHz)	Test Mode	Ant No.	Spurious Emission		Verdict
				Result	Limit	
CC1:10	CC1:3555	QPSK	1	Refer To Test Graph		Pass
		16QAM	1	Refer To Test Graph		Pass
		64QAM	1	Refer To Test Graph		Pass
	CC1:3625	QPSK	1	Refer To Test Graph		Pass
		16QAM	1	Refer To Test Graph		Pass
		64QAM	1	Refer To Test Graph		Pass
	CC1:3695	QPSK	1	Refer To Test Graph		Pass
		16QAM	1	Refer To Test Graph		Pass
		64QAM	1	Refer To Test Graph		Pass
CC1:20	CC1:3560	QPSK	1	Refer To Test Graph		Pass
		16QAM	1	Refer To Test Graph		Pass
		64QAM	1	Refer To Test Graph		Pass
	CC1:3625	QPSK	1	Refer To Test Graph		Pass
		16QAM	1	Refer To Test Graph		Pass
		64QAM	1	Refer To Test Graph		Pass
	CC1:3690	QPSK	1	Refer To Test Graph		Pass
		16QAM	1	Refer To Test Graph		Pass
		64QAM	1	Refer To Test Graph		Pass

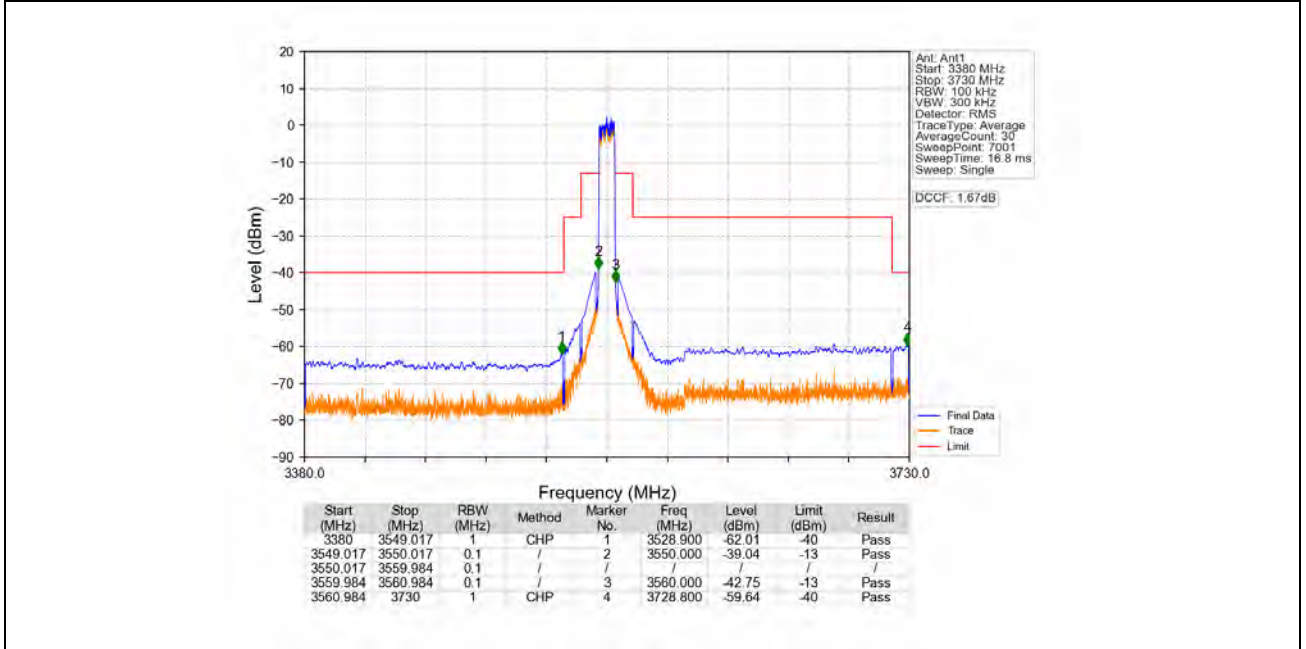
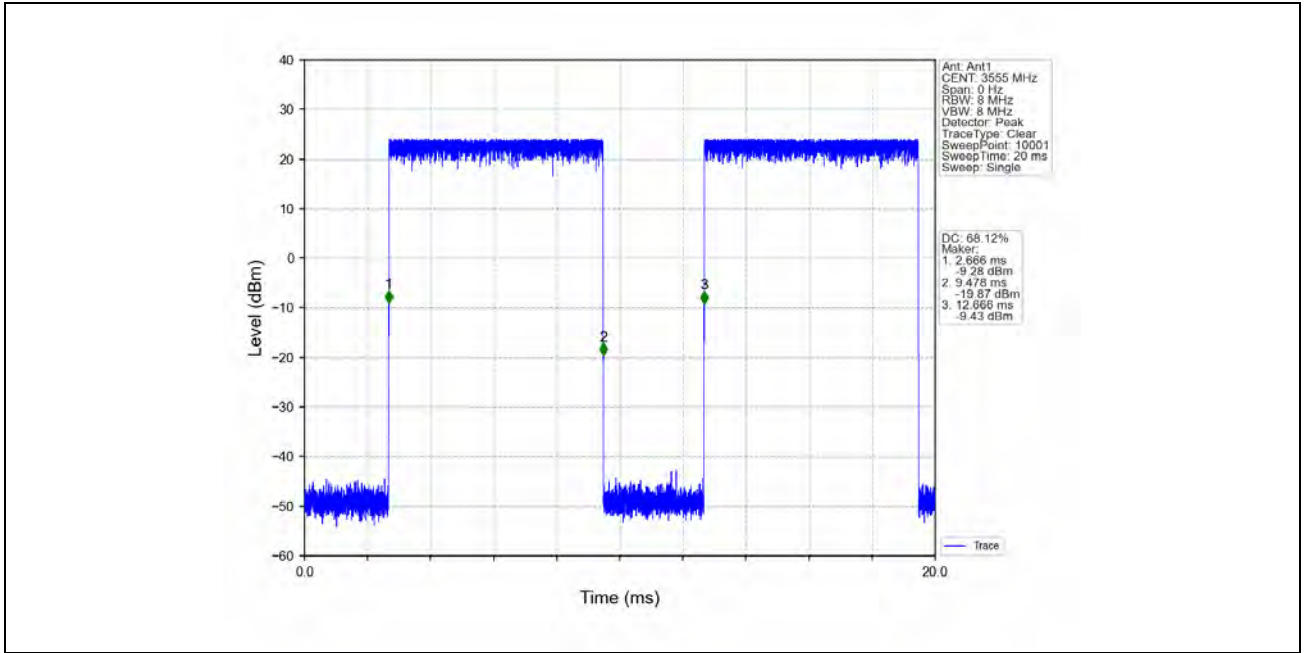
6.1.2 Test Graph

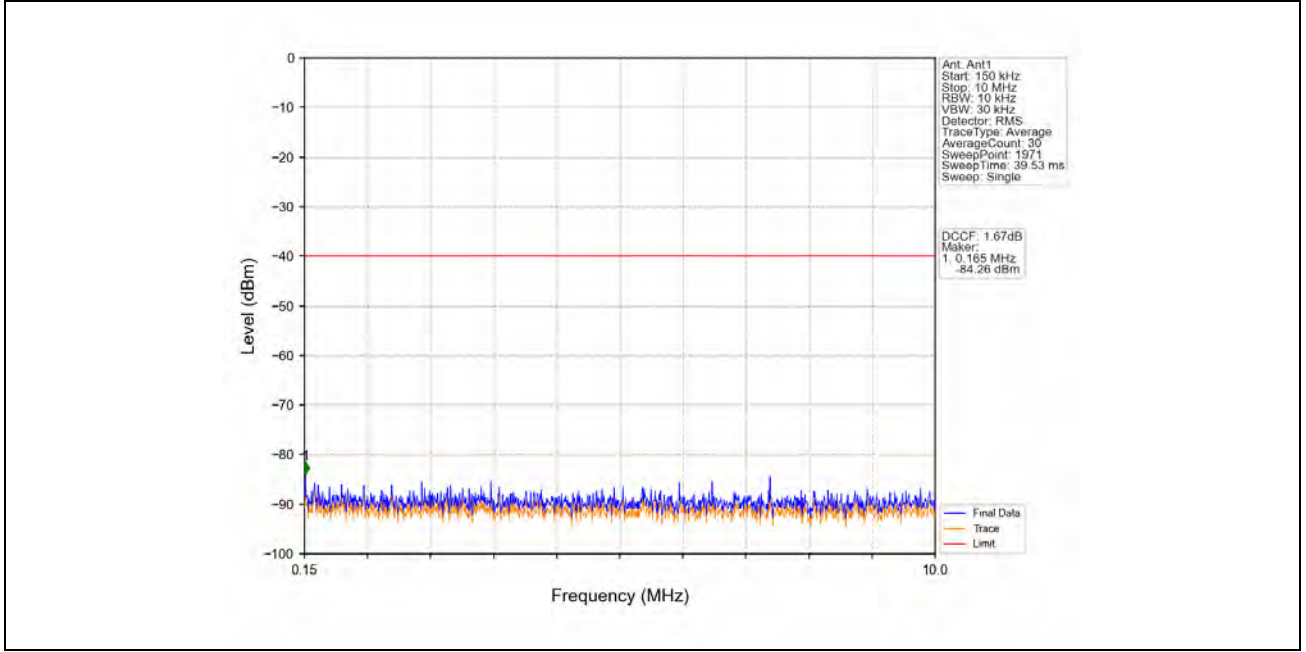
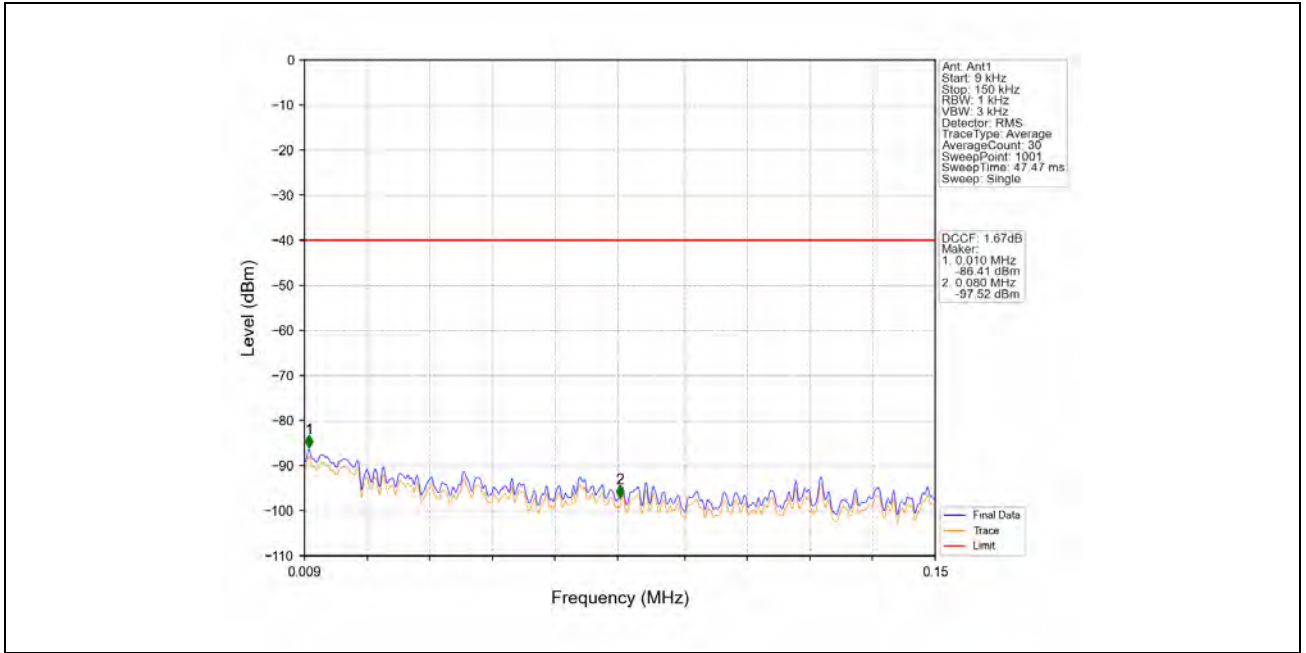


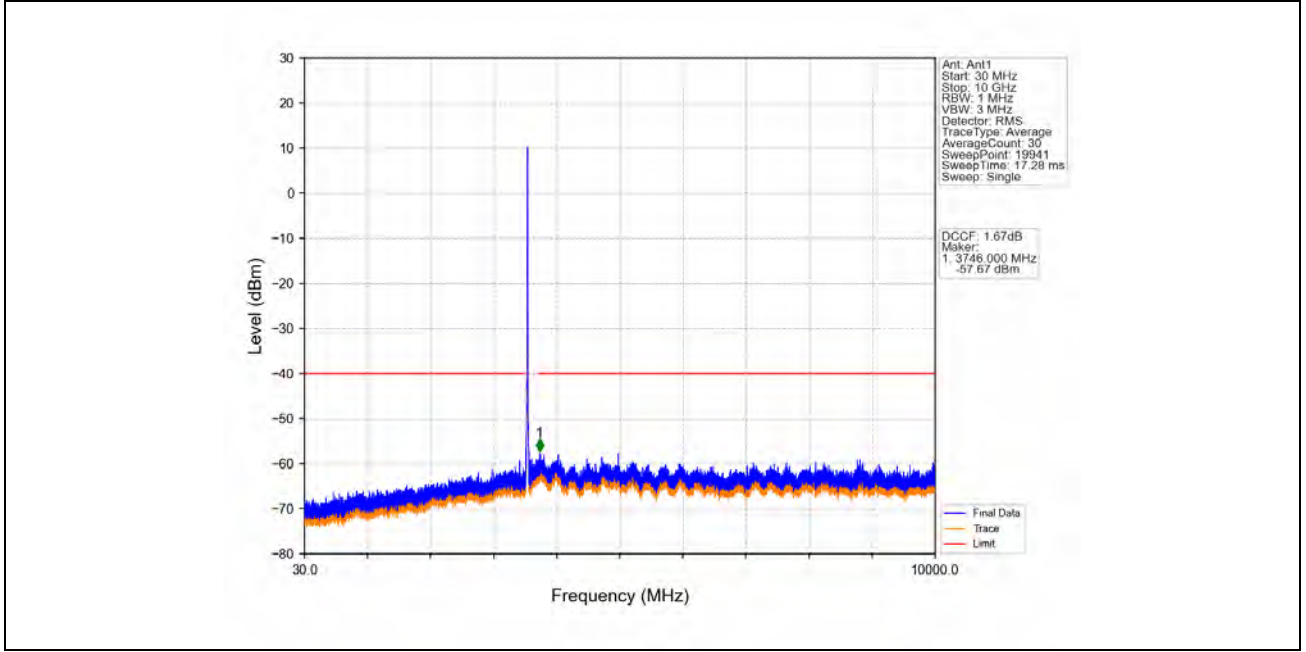
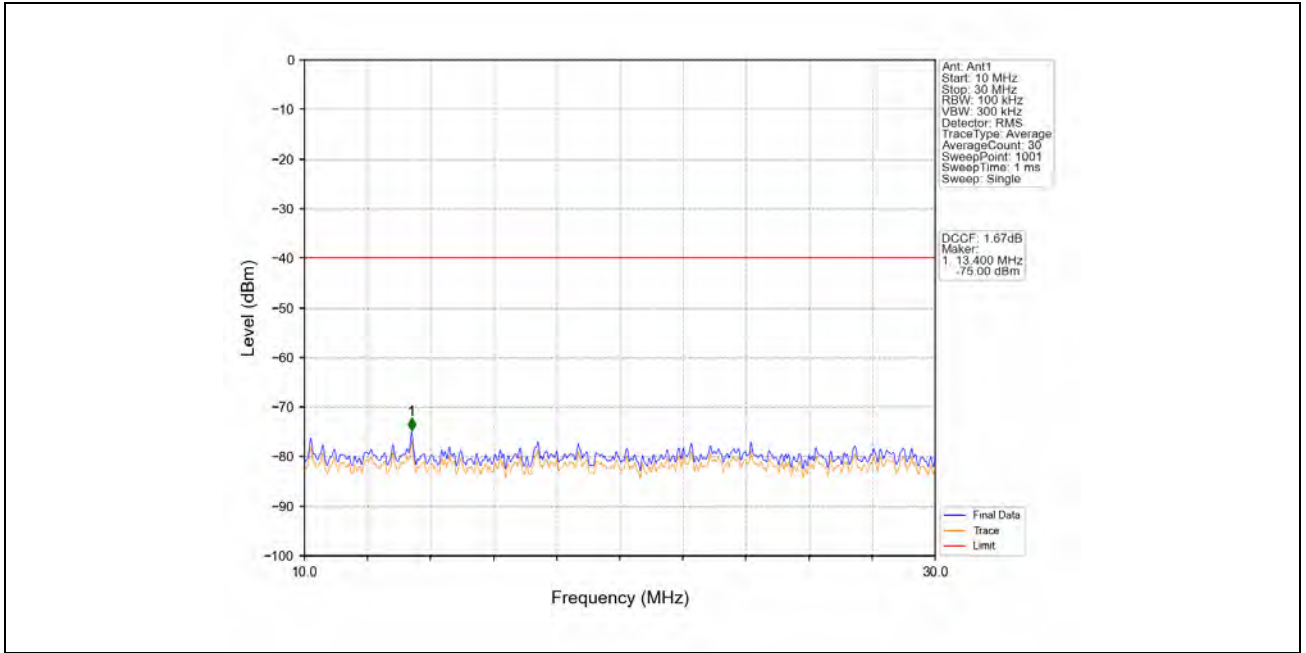


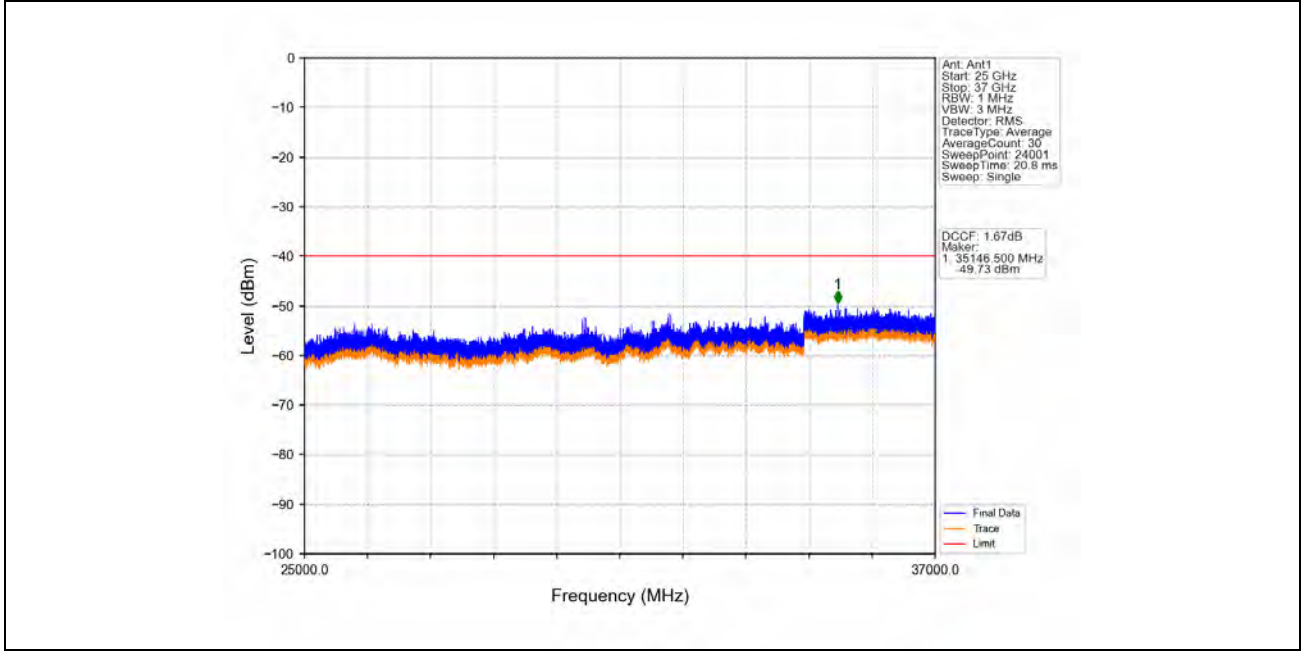
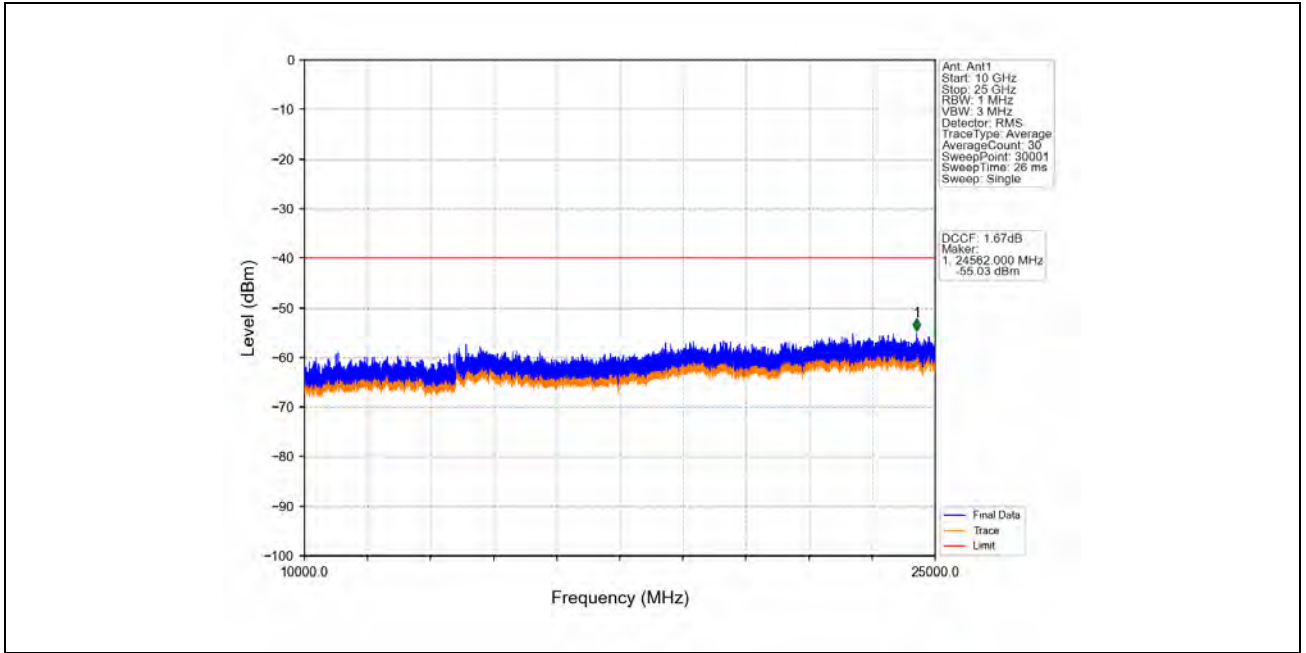


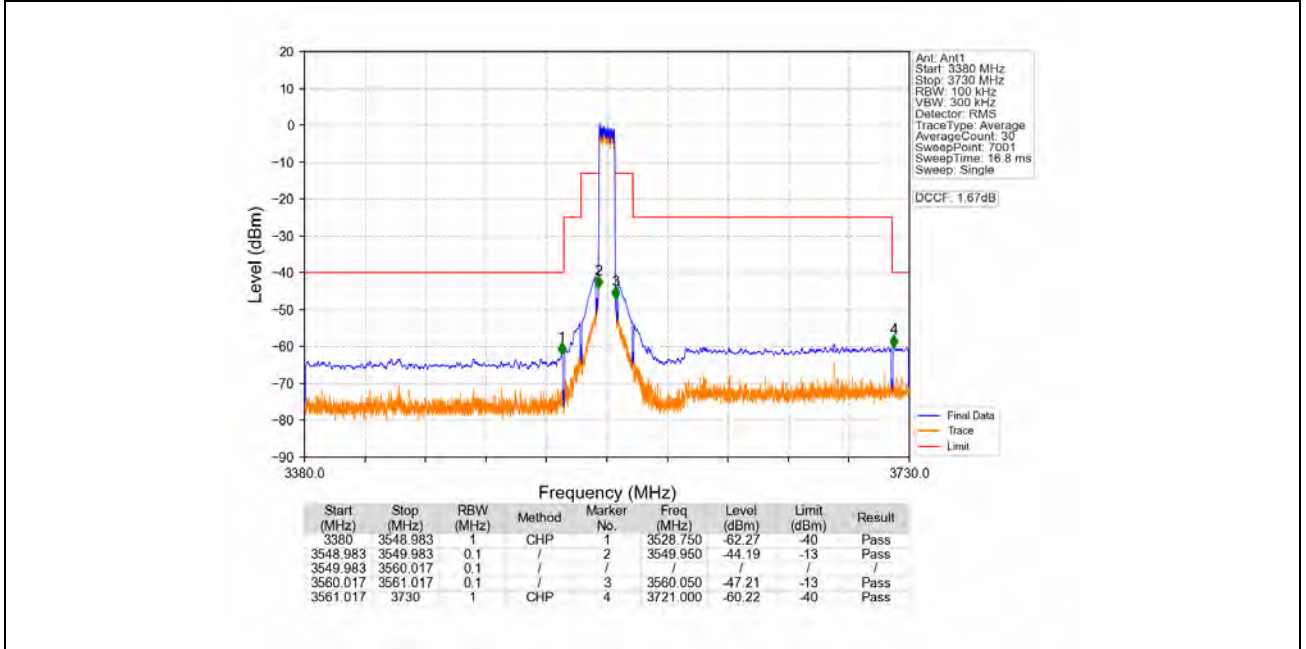
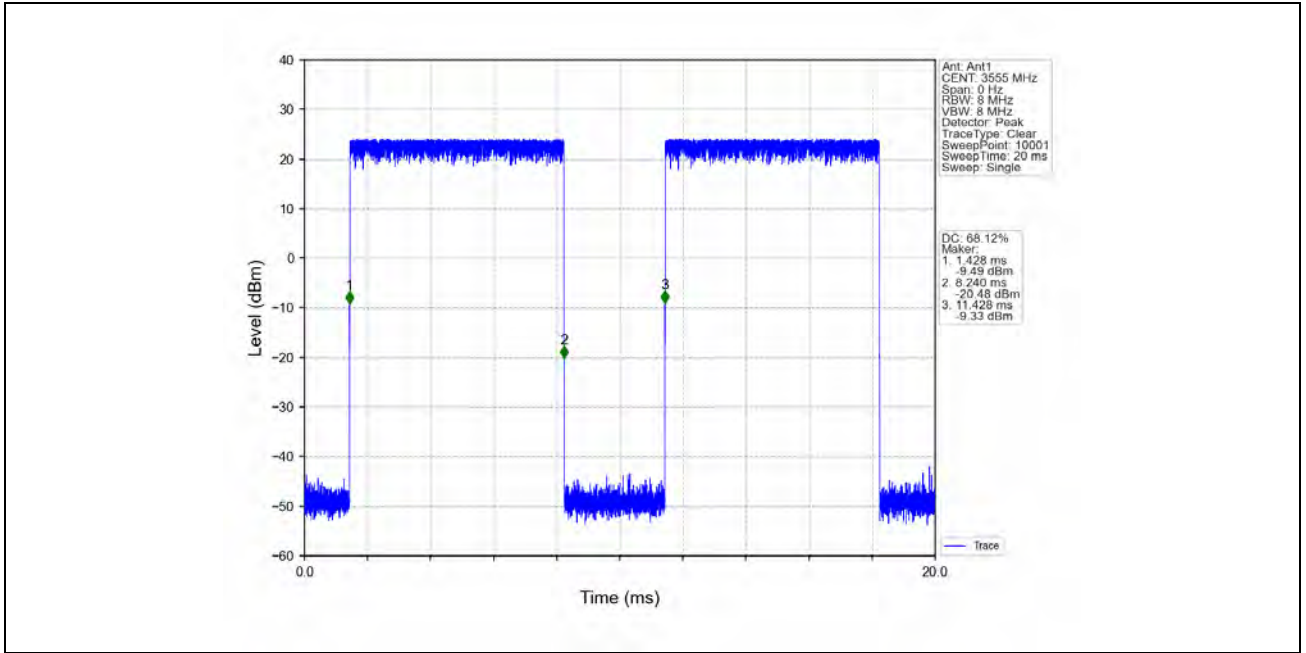


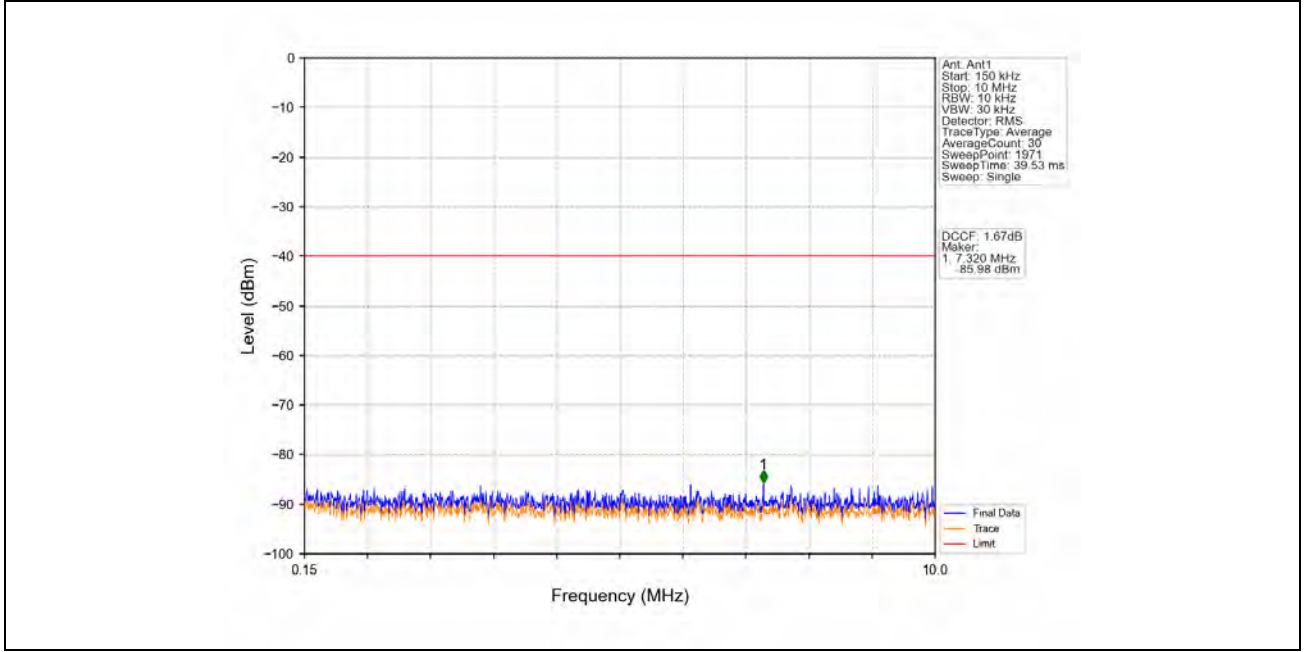
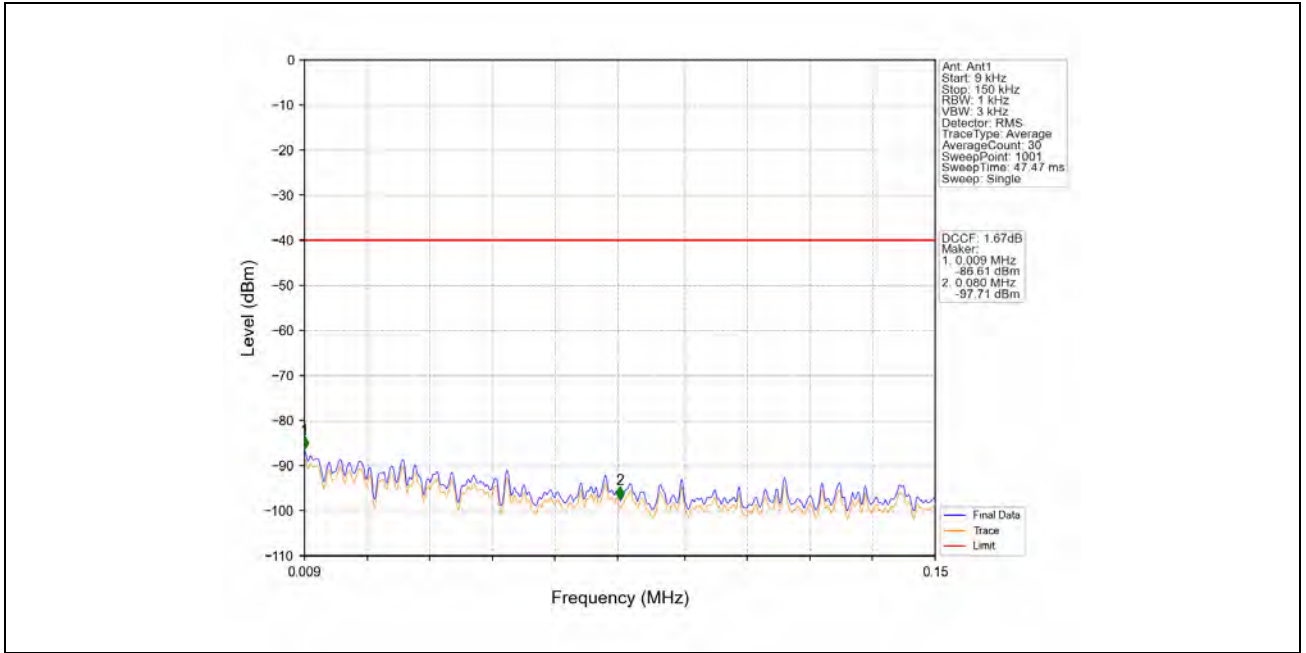


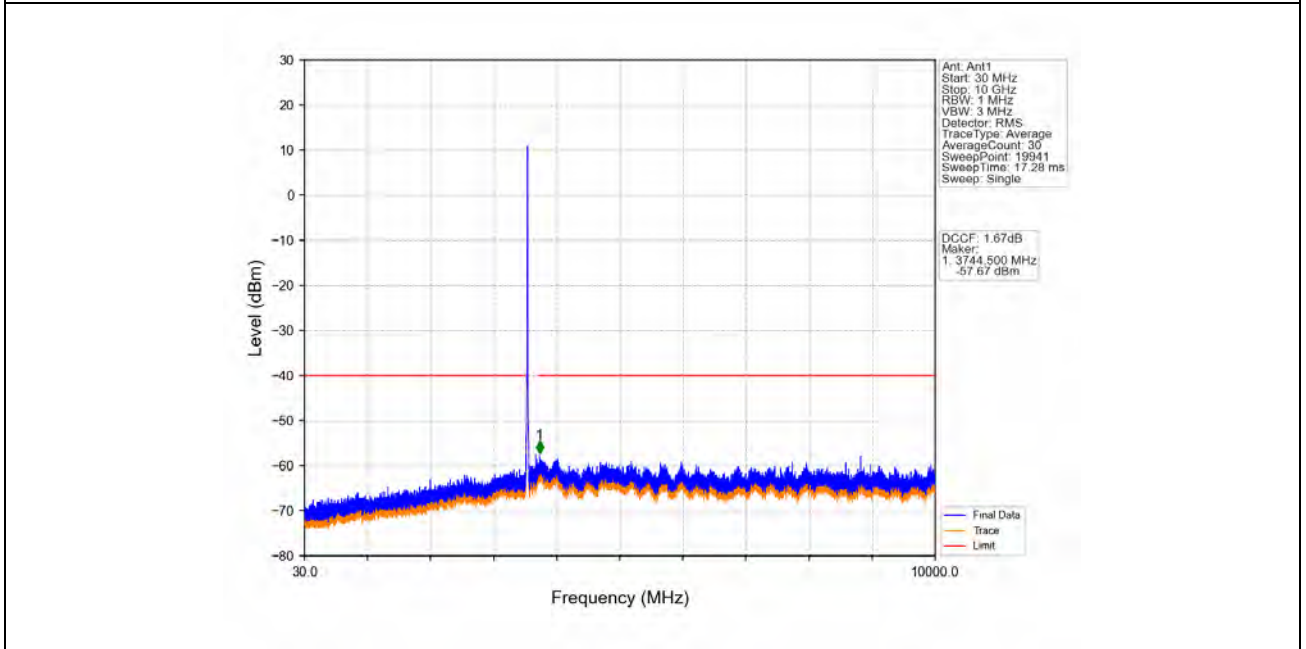
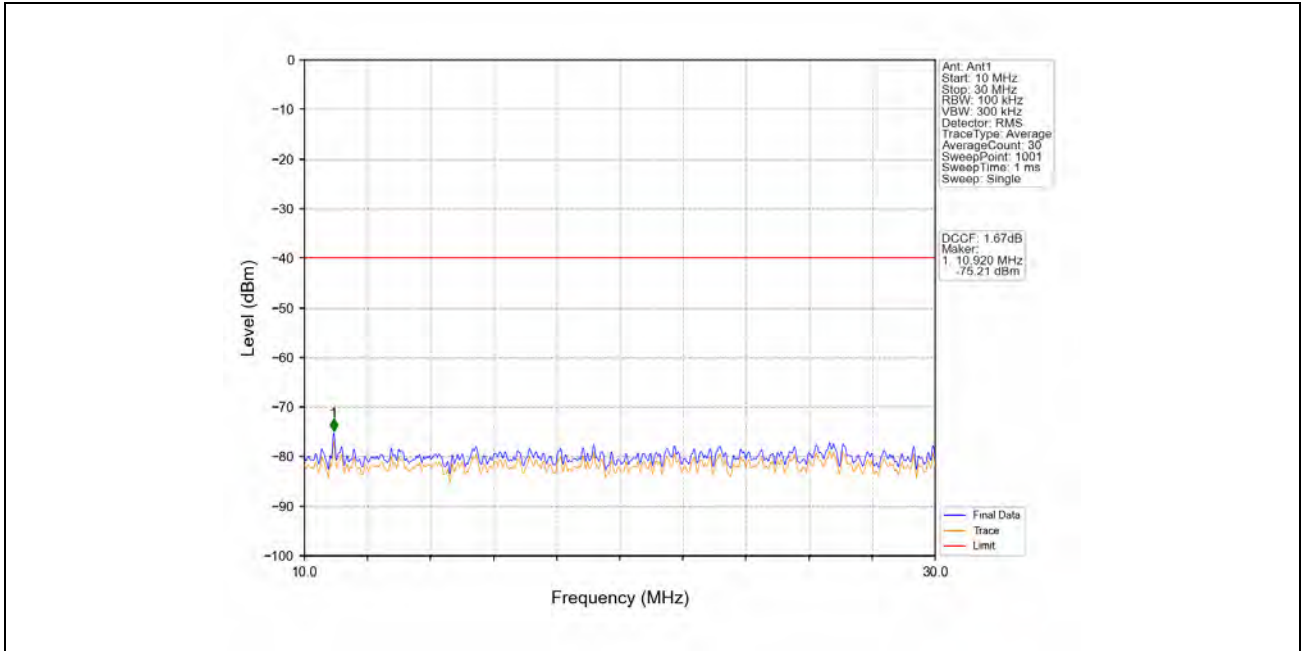


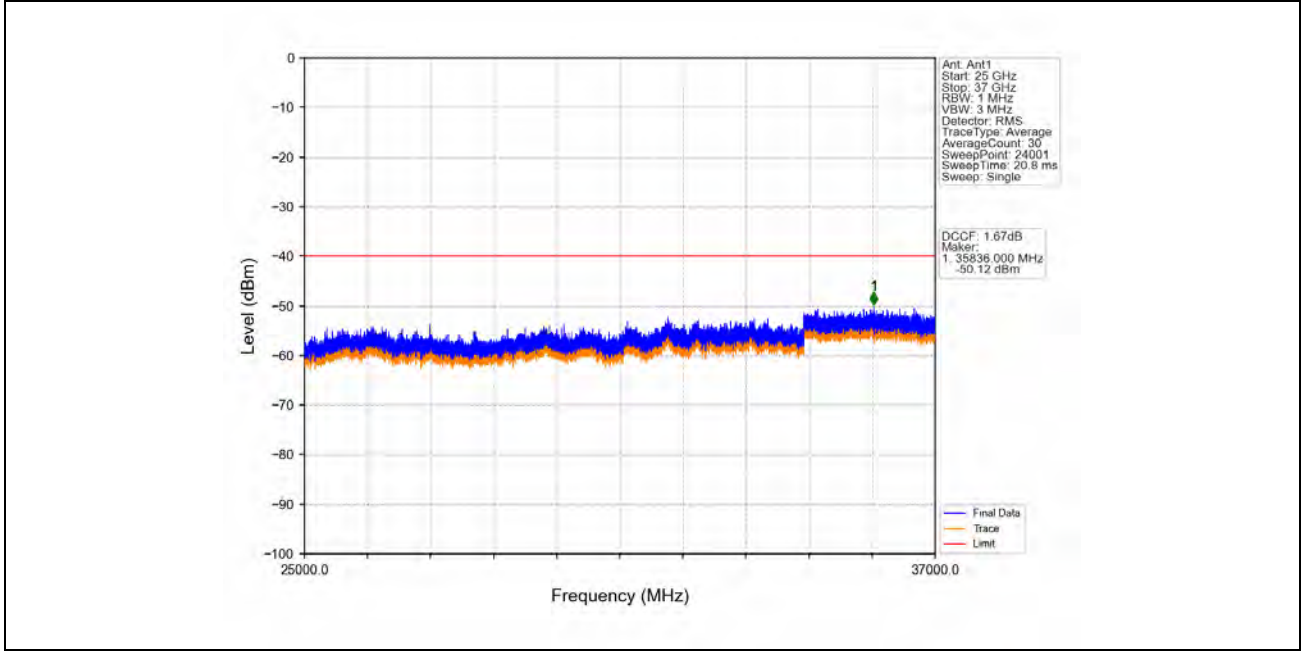
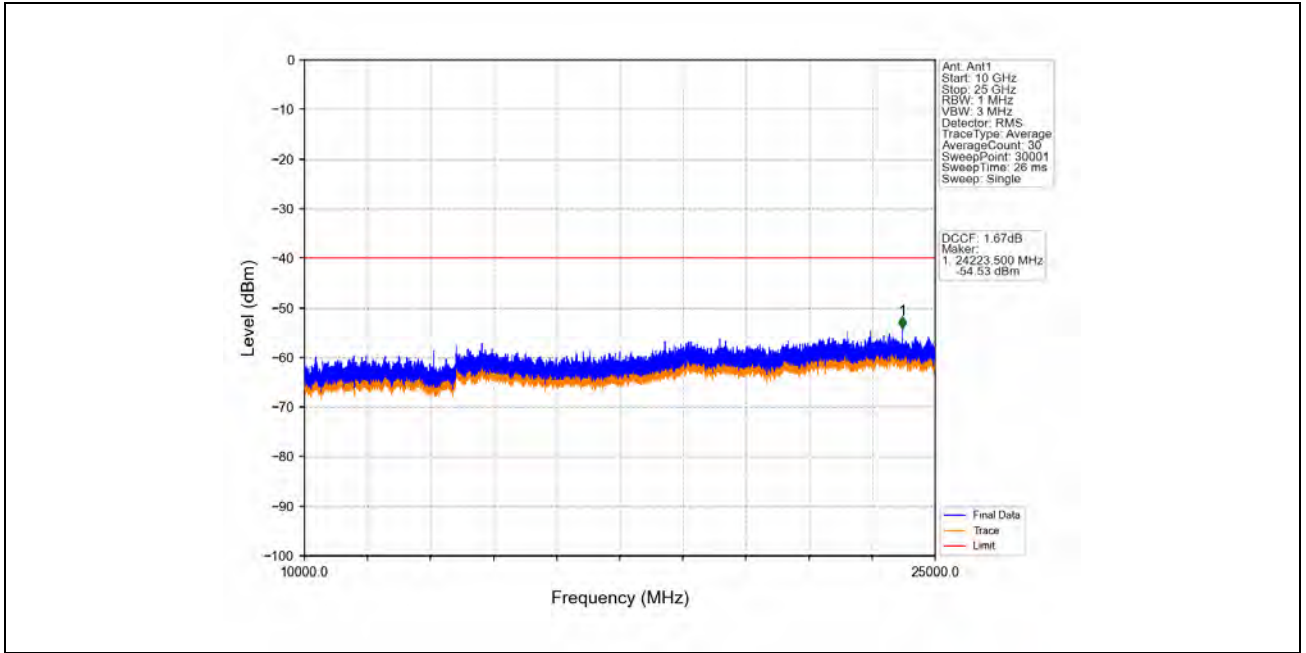


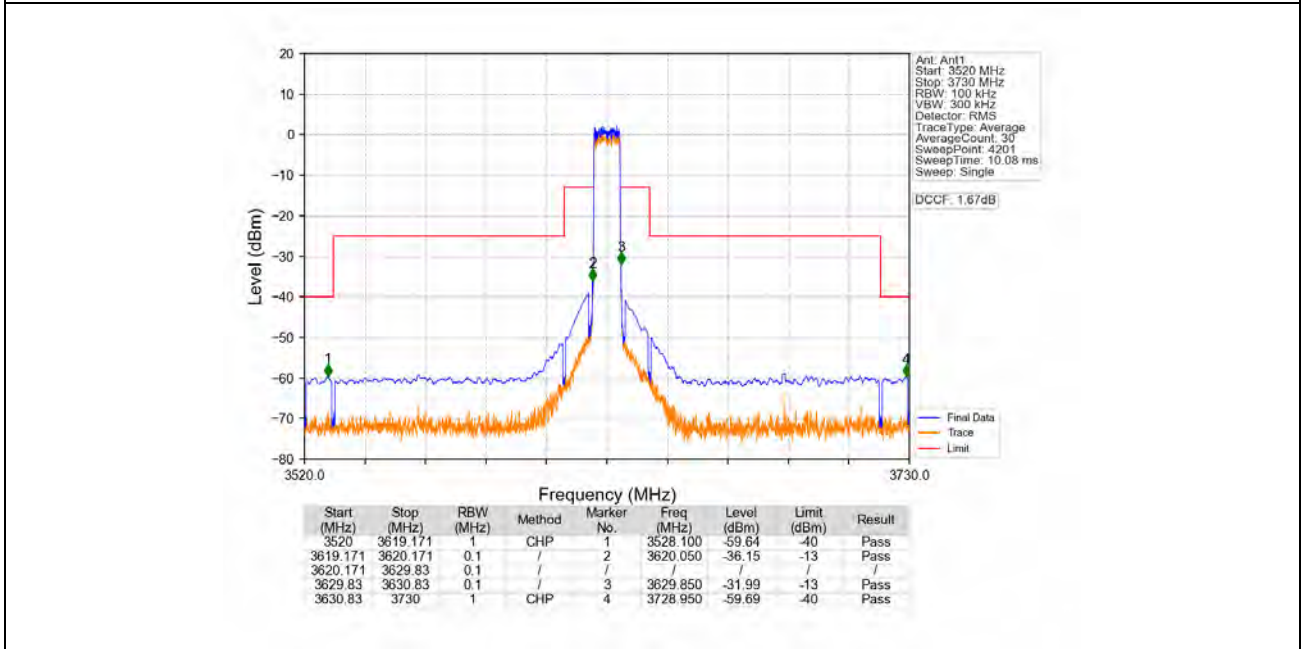
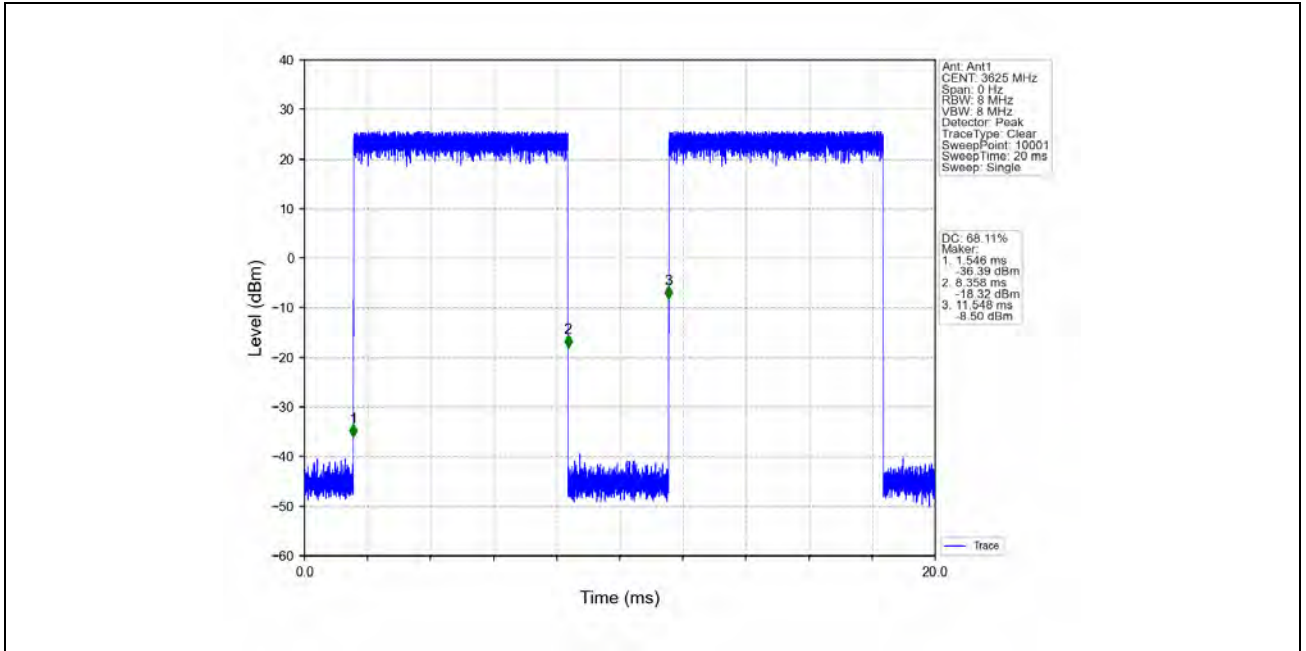


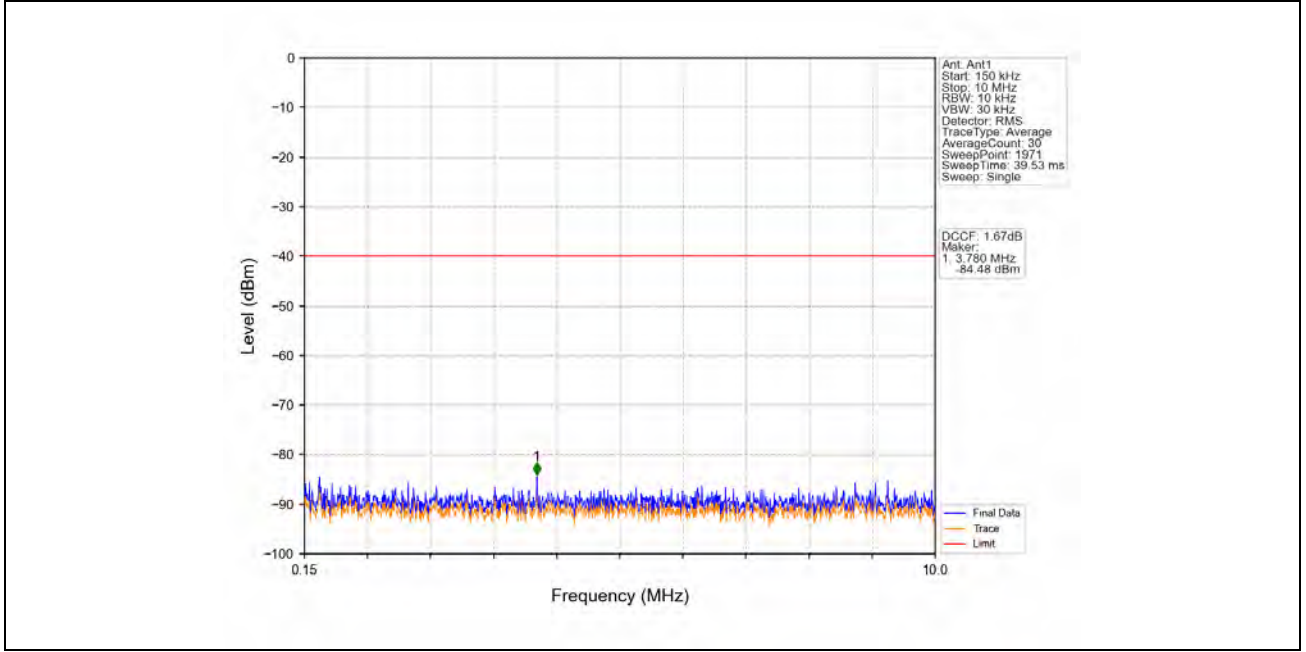
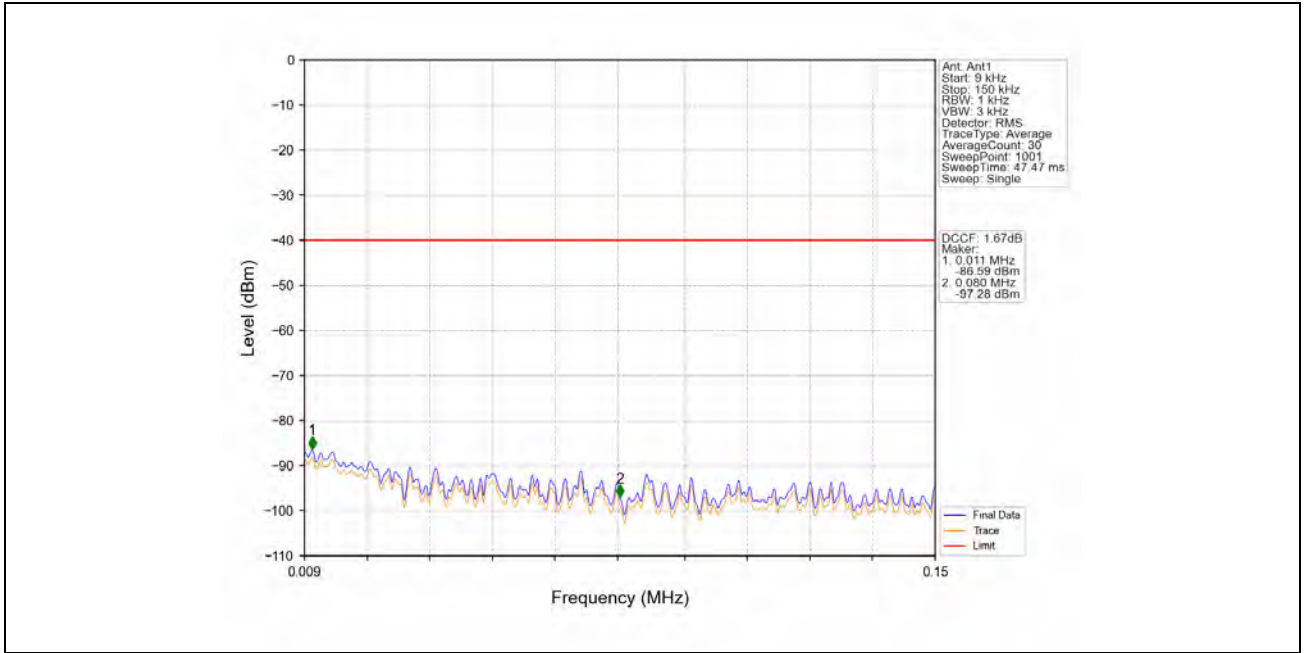


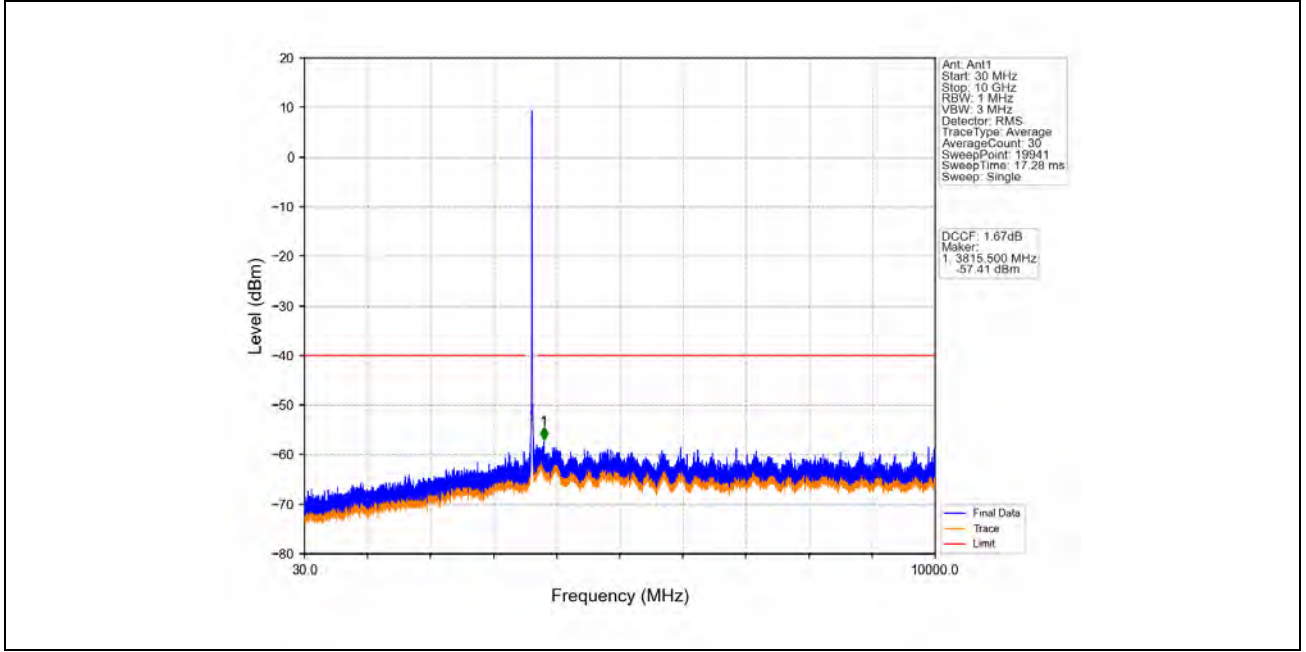
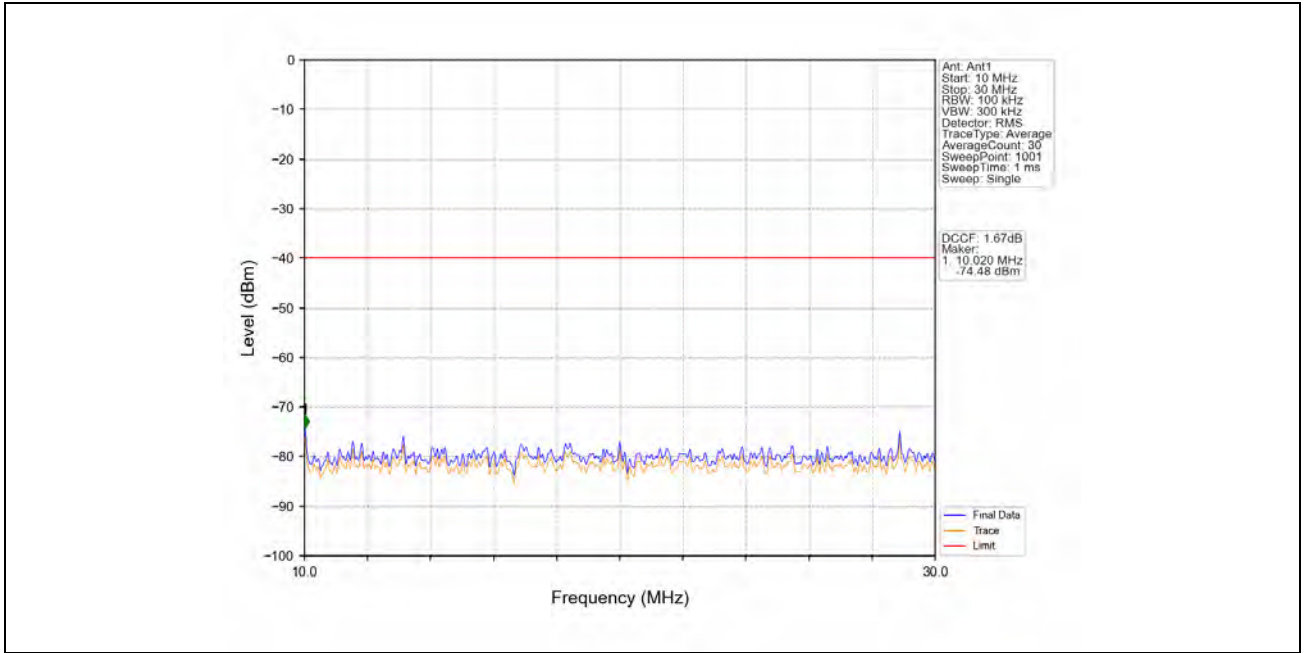


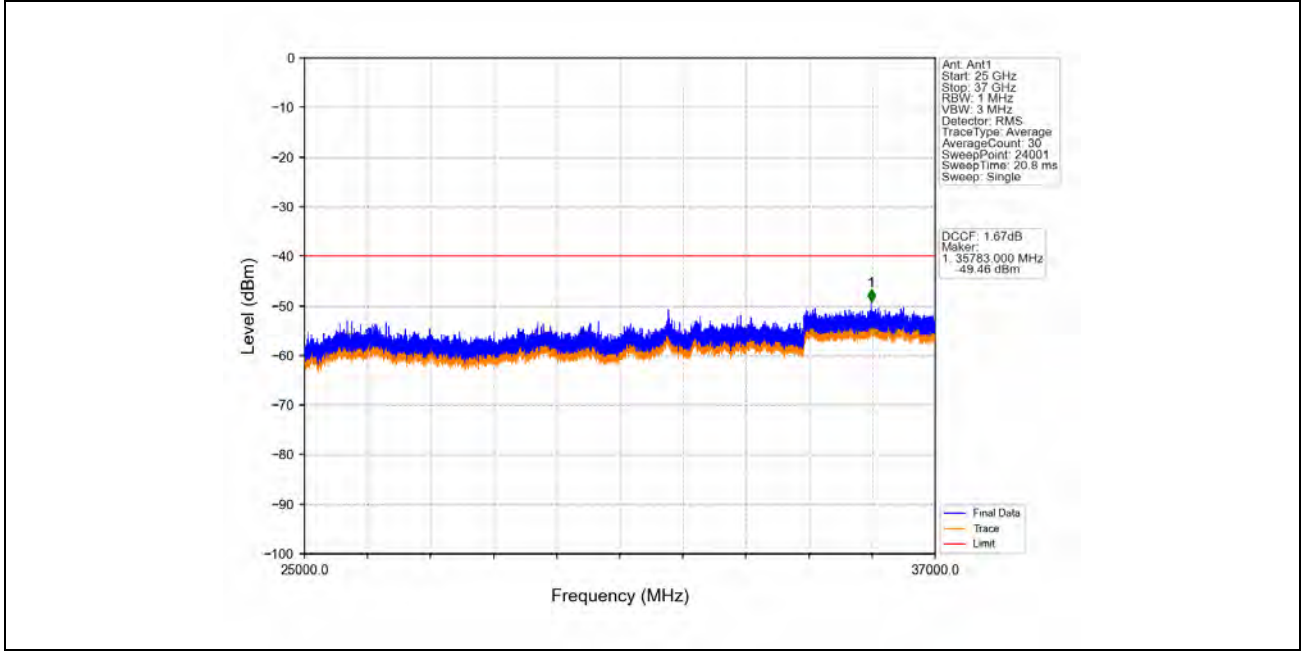
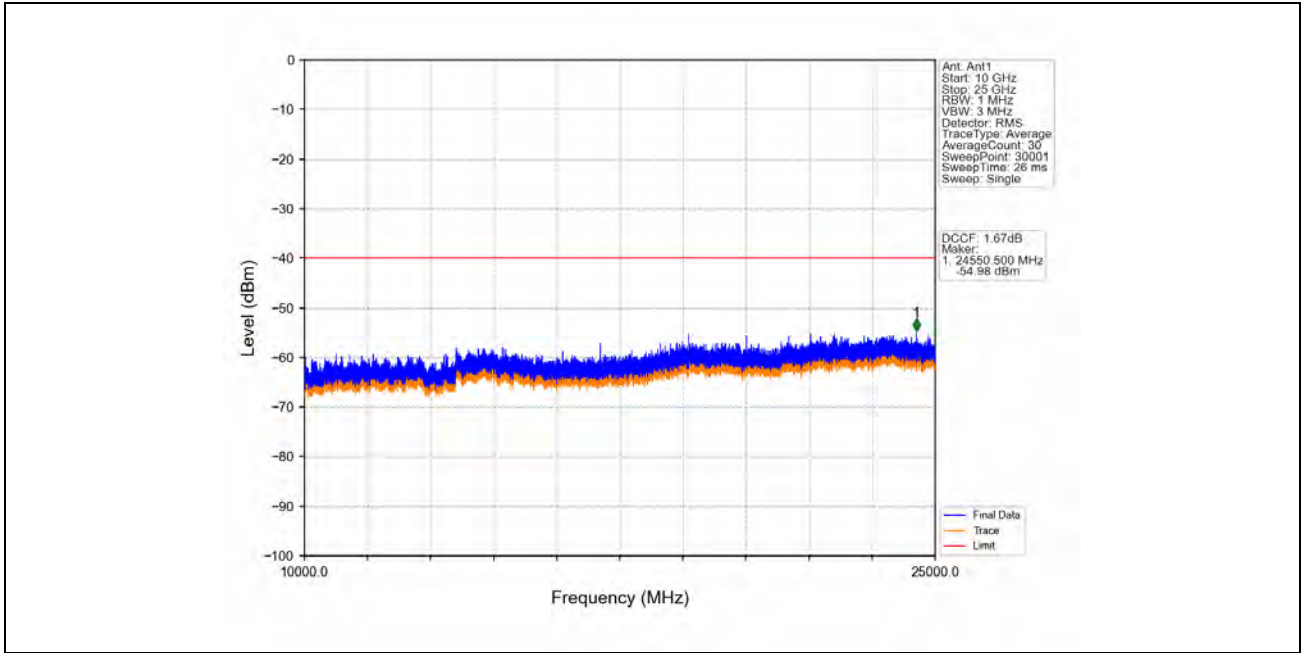


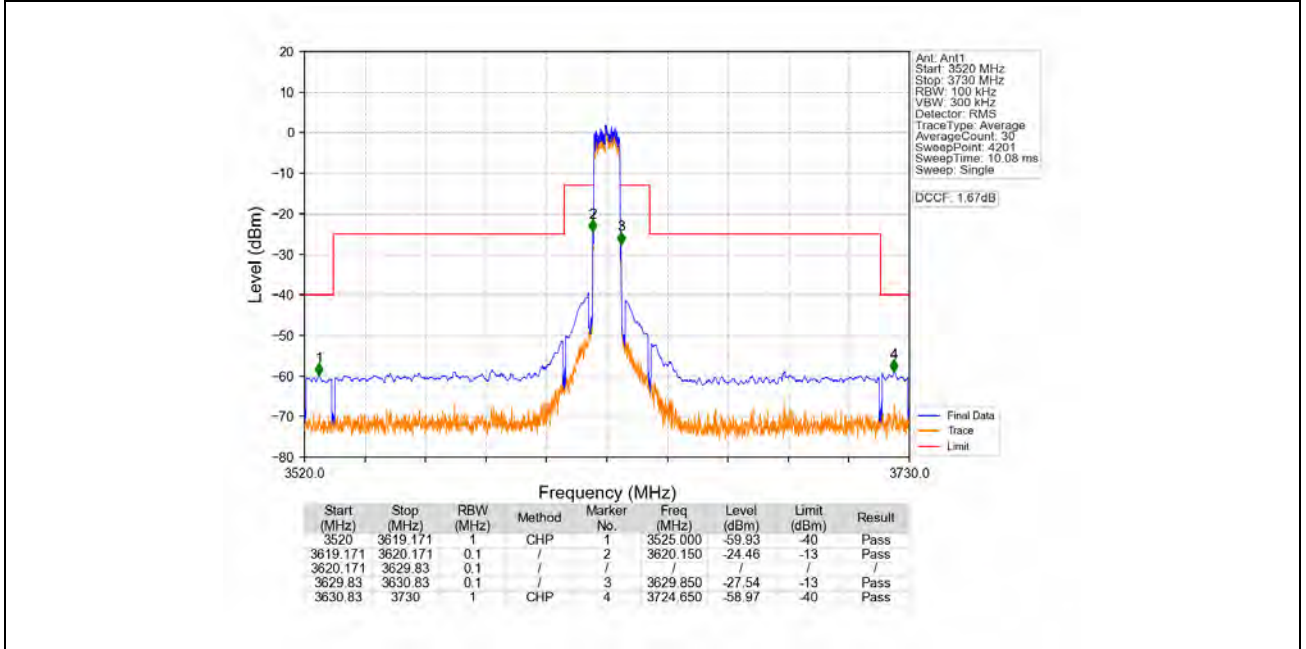
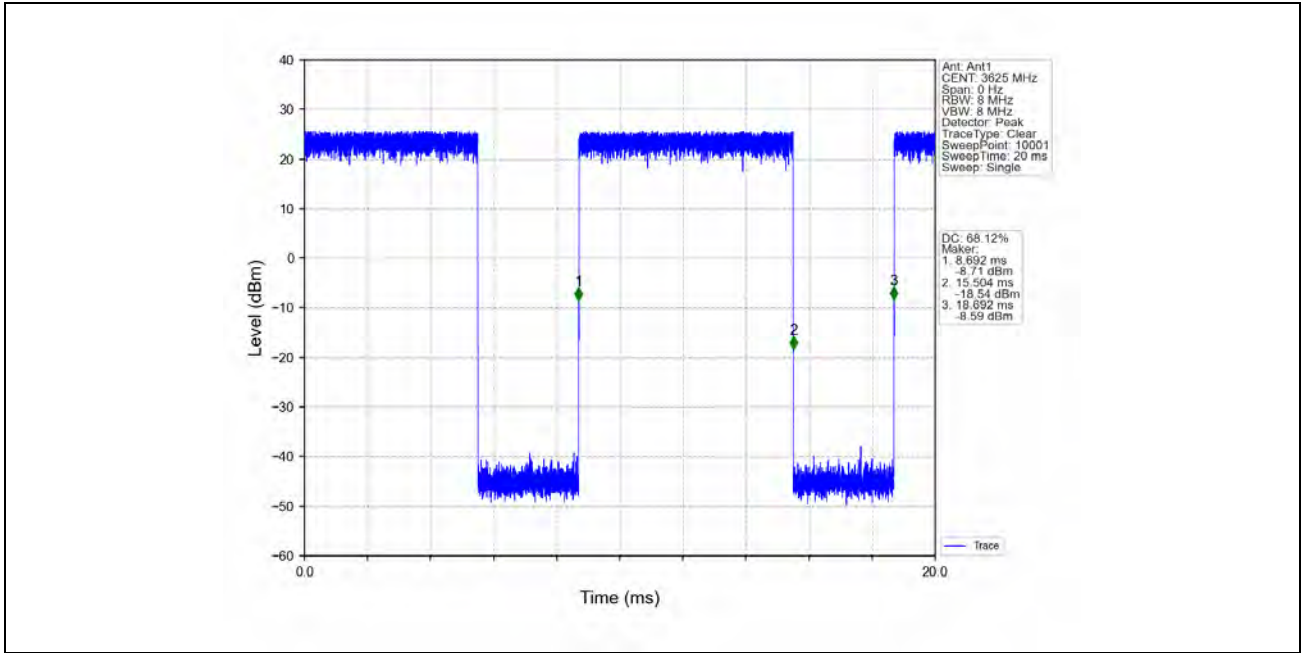


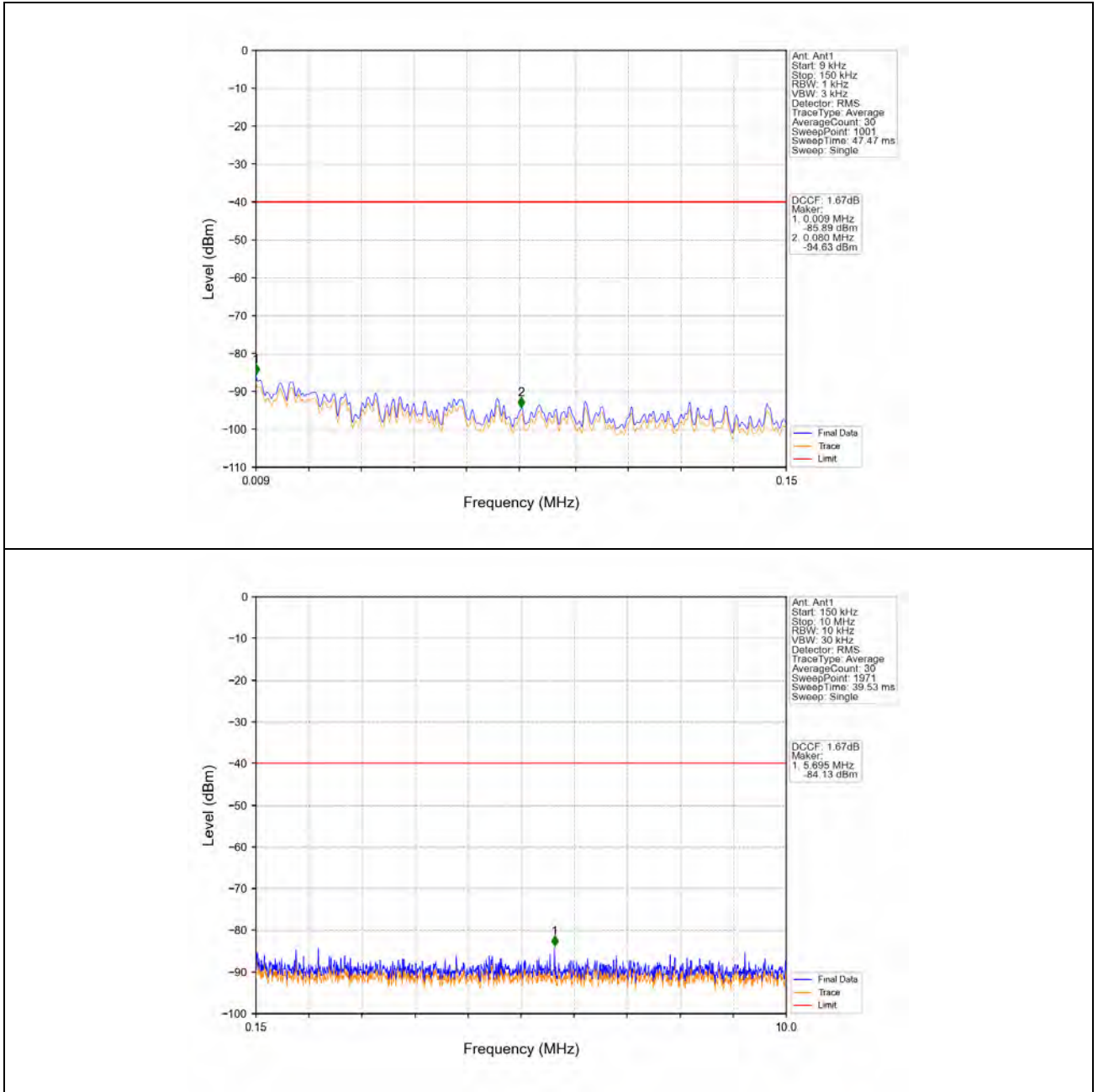


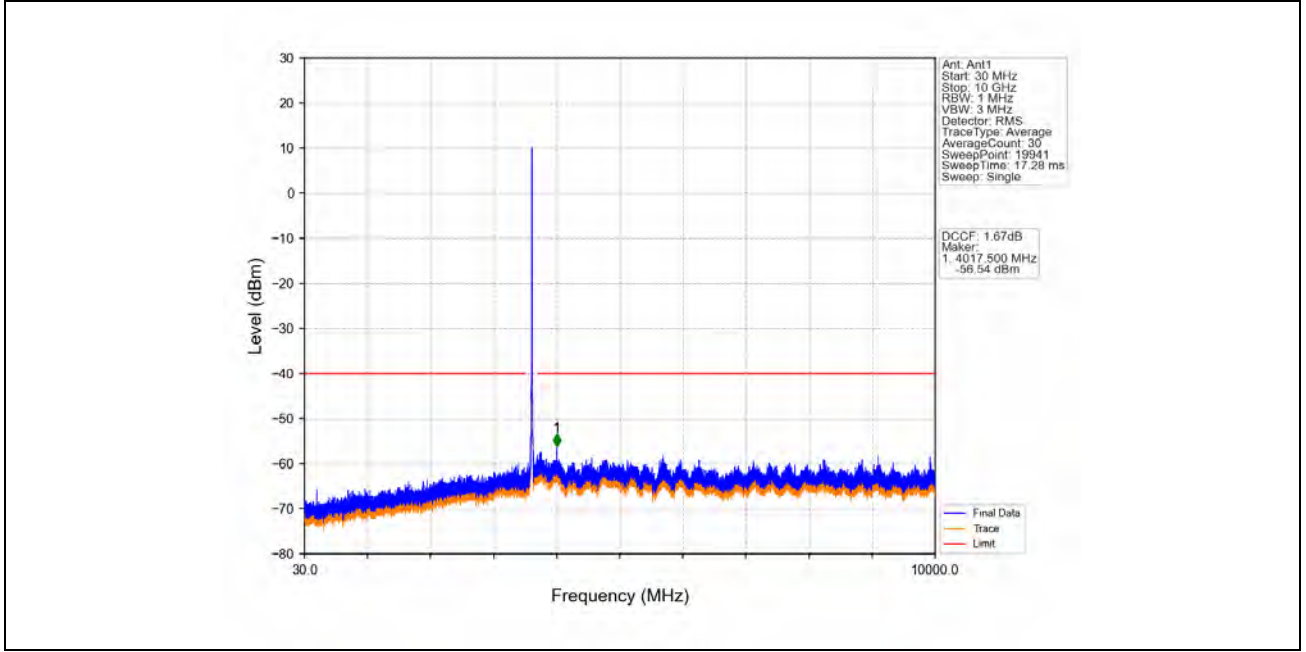
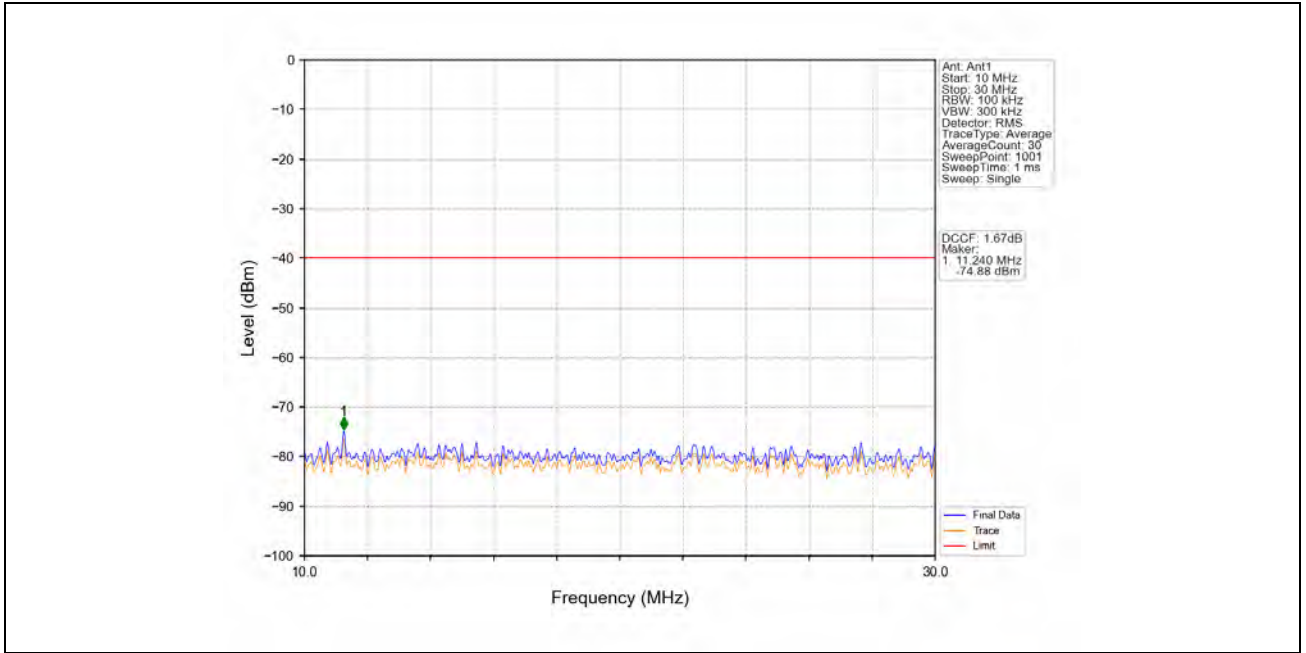


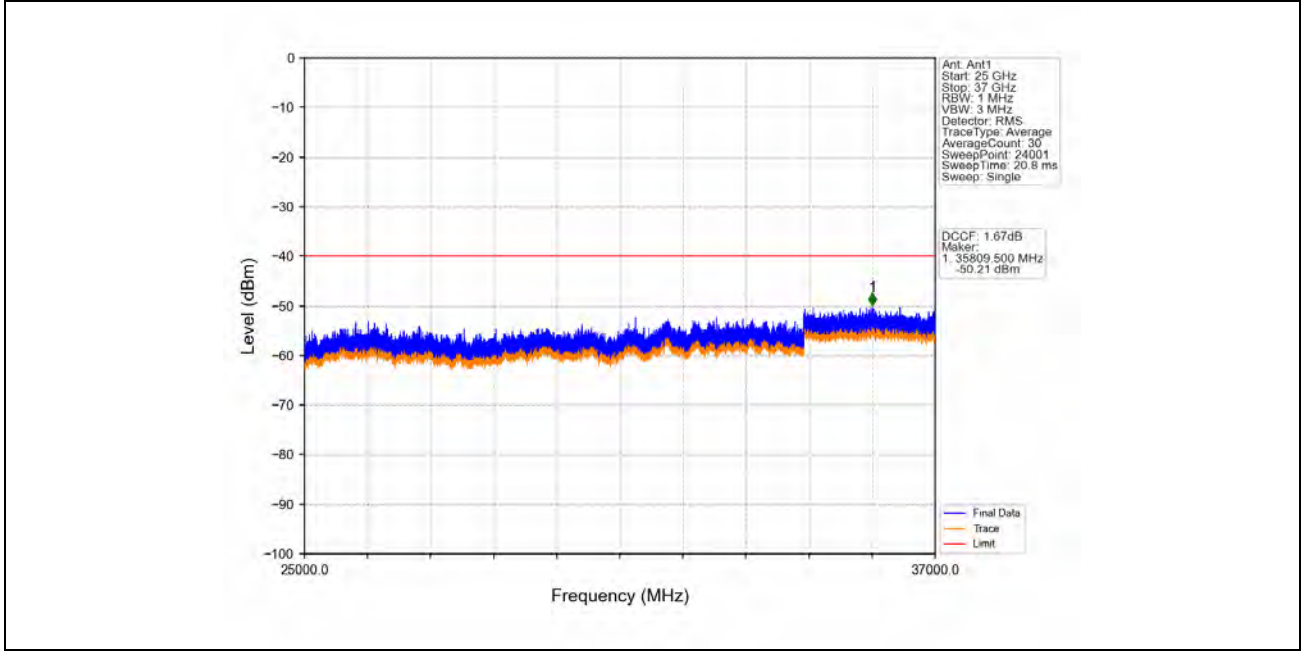
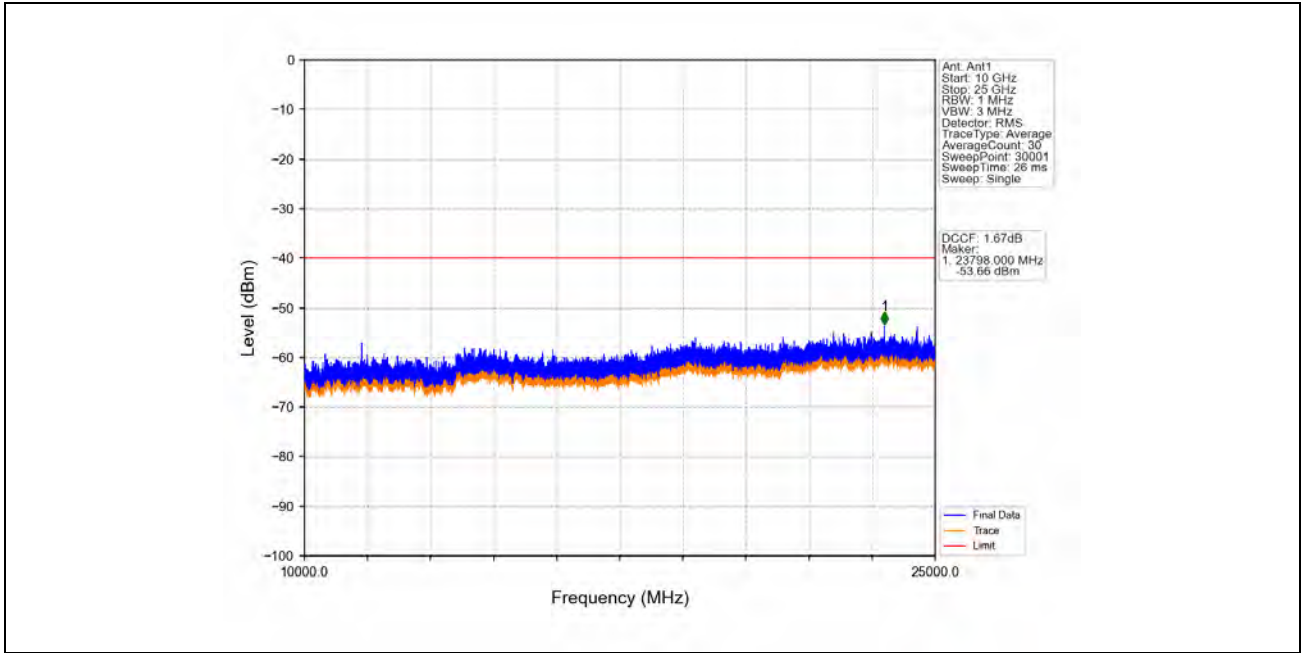


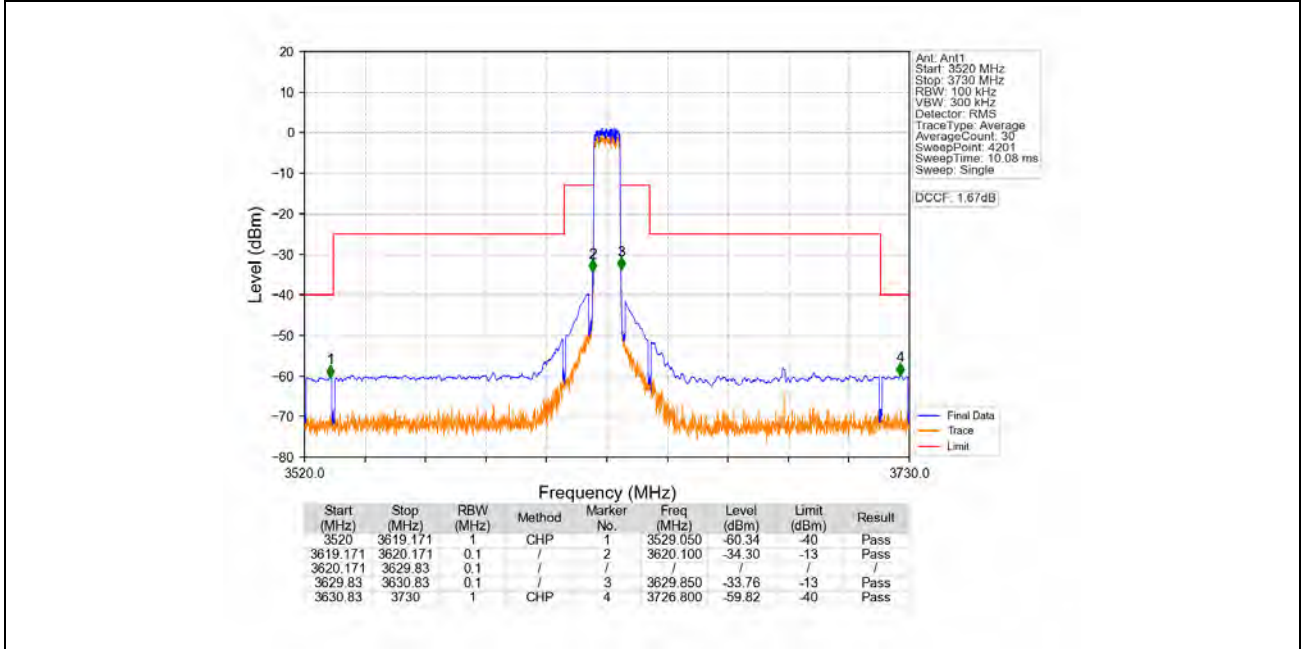
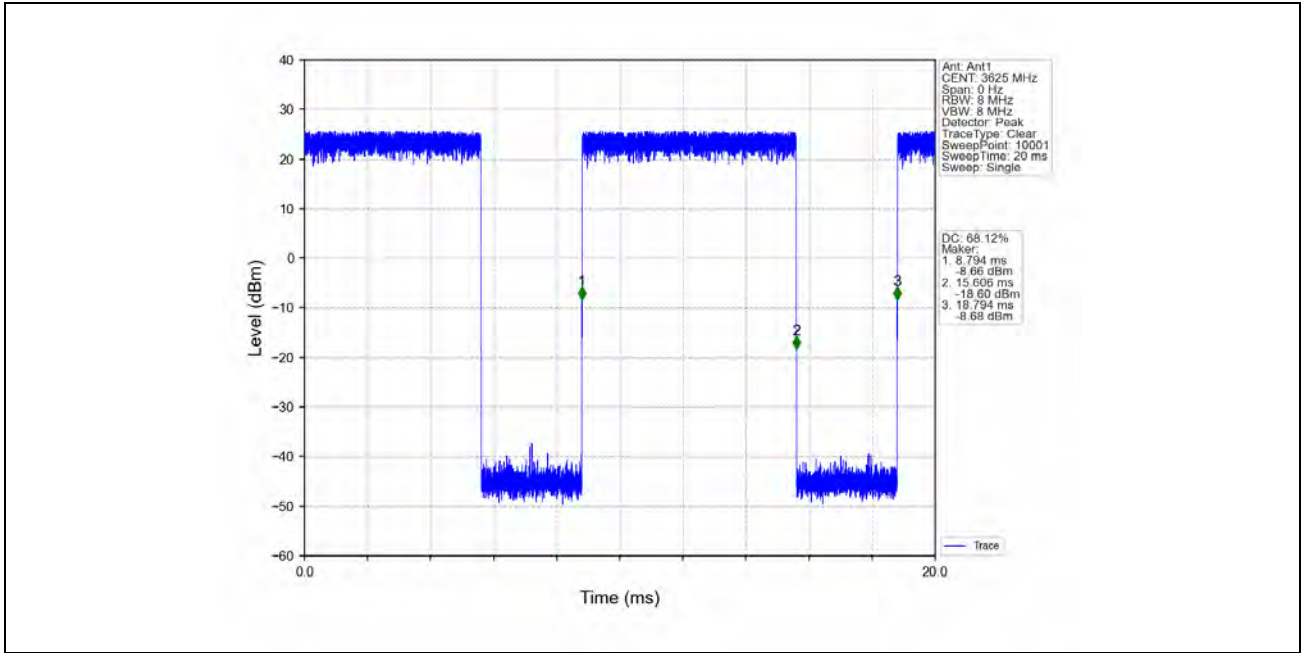


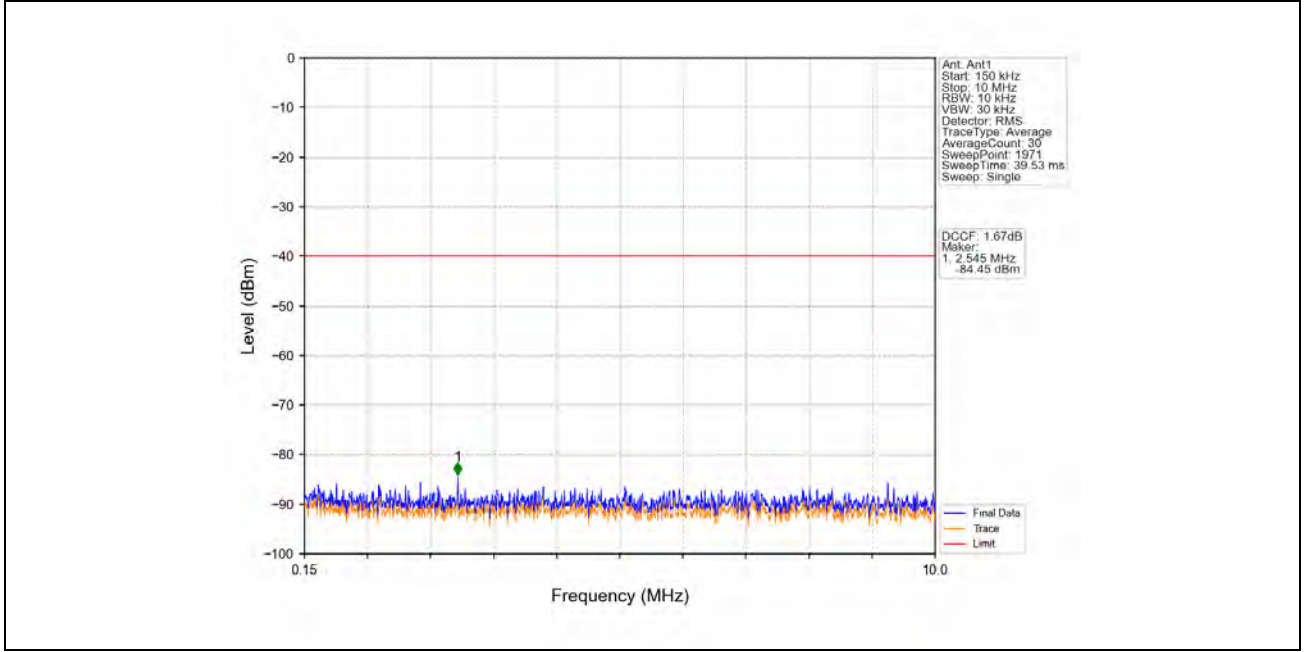
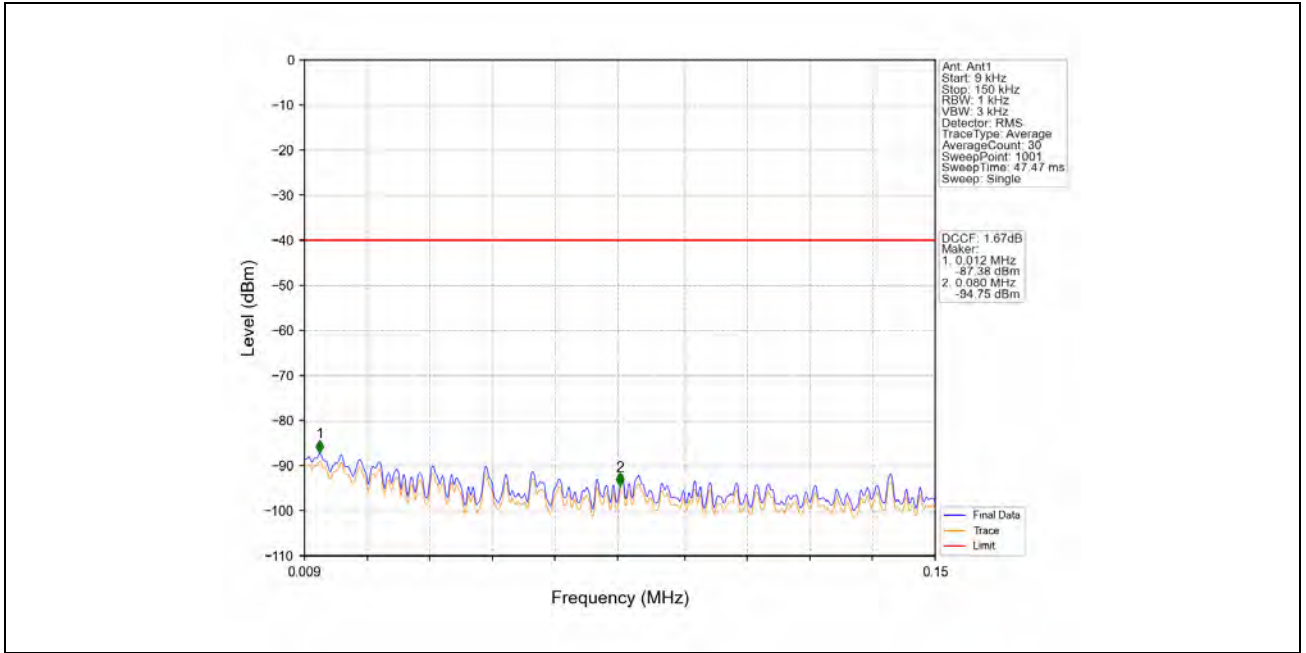


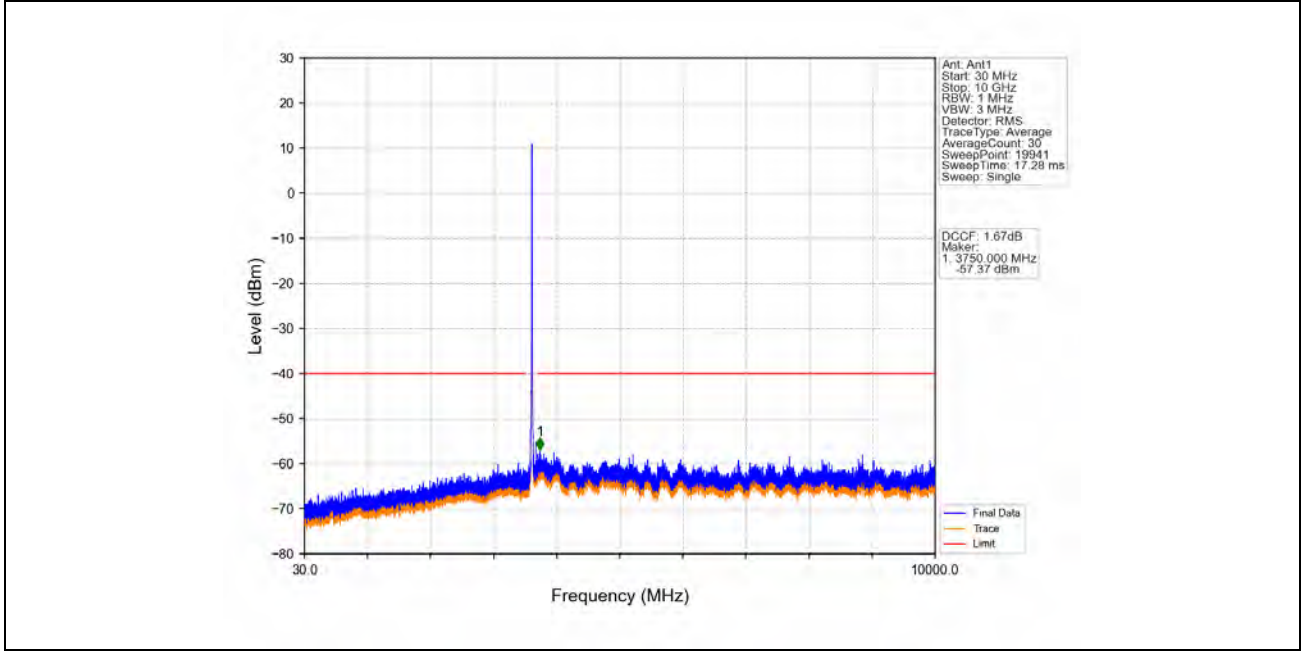
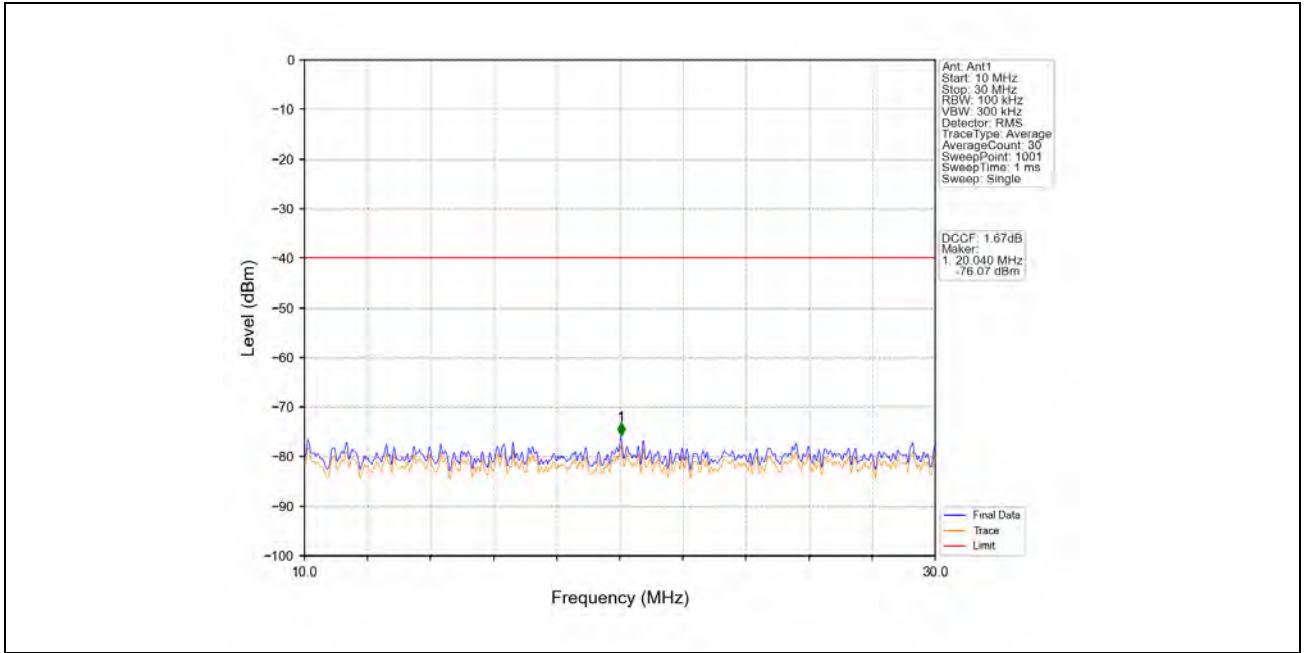


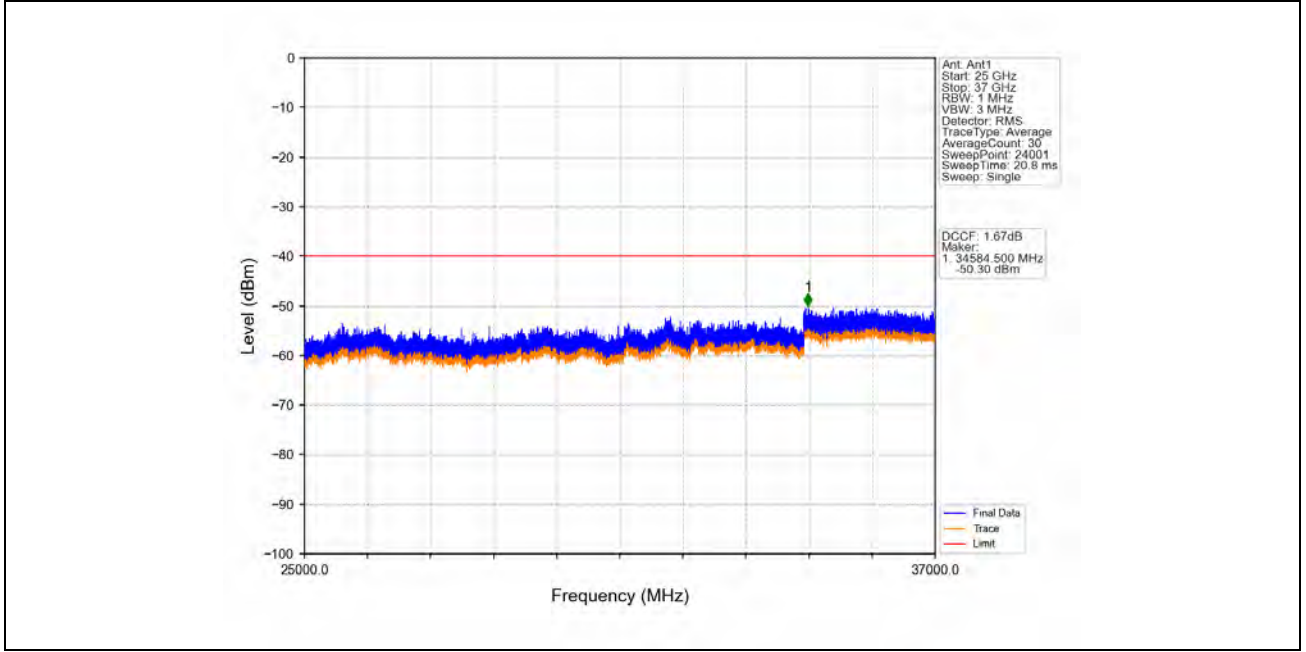
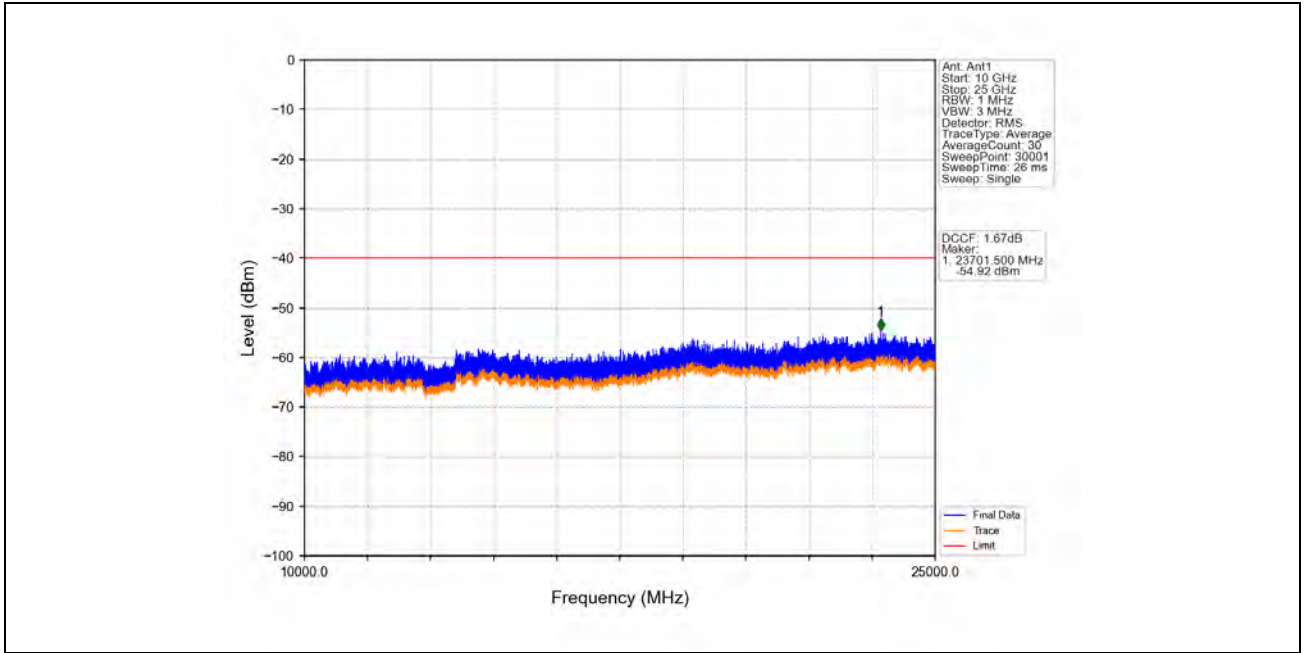


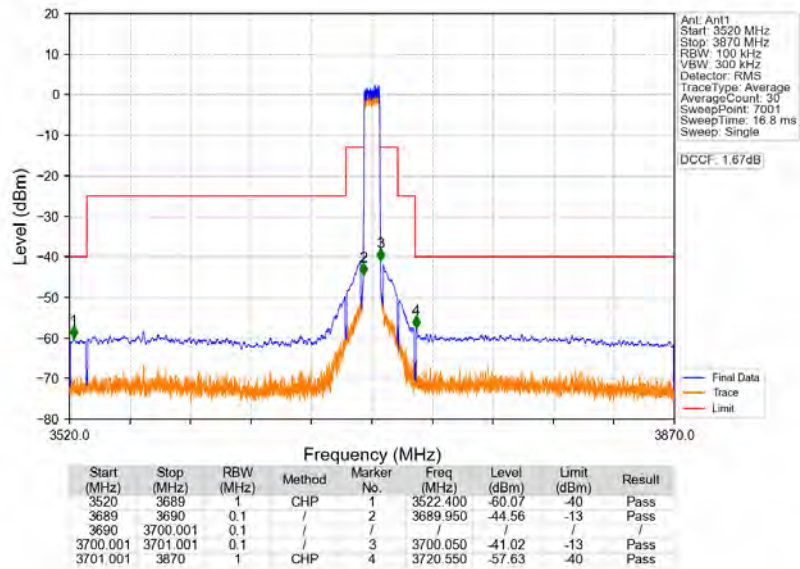
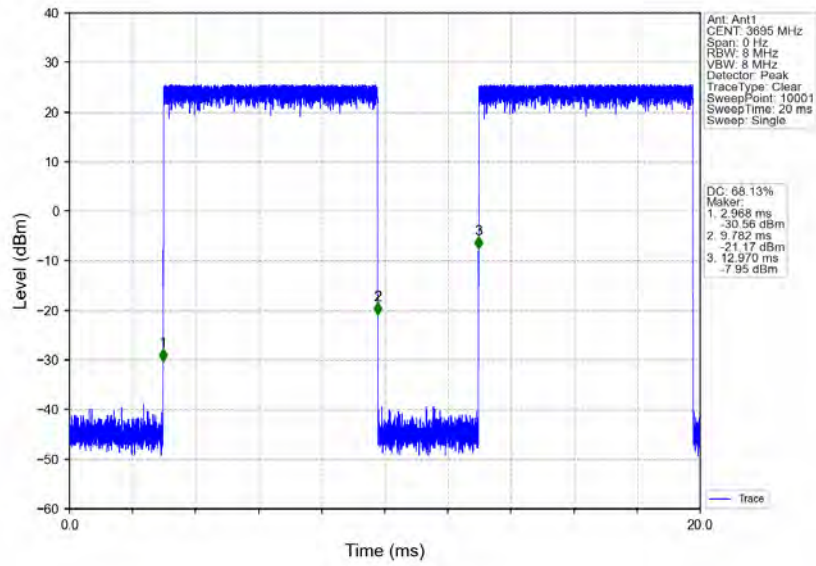


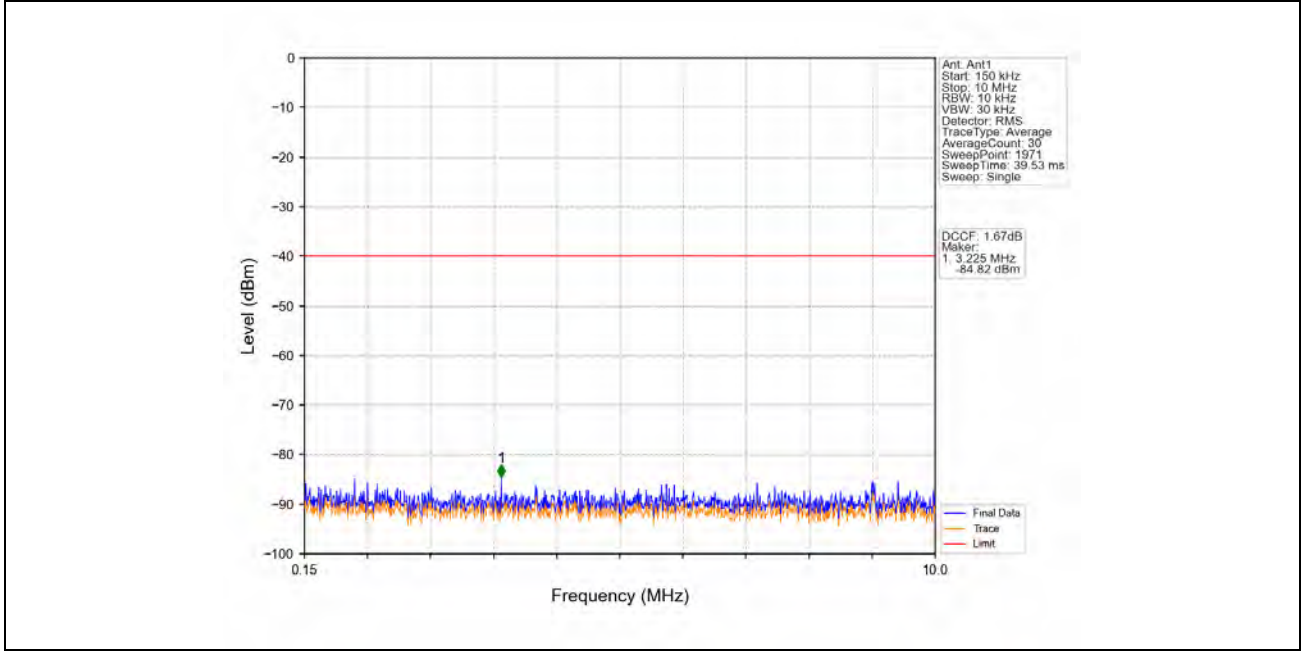
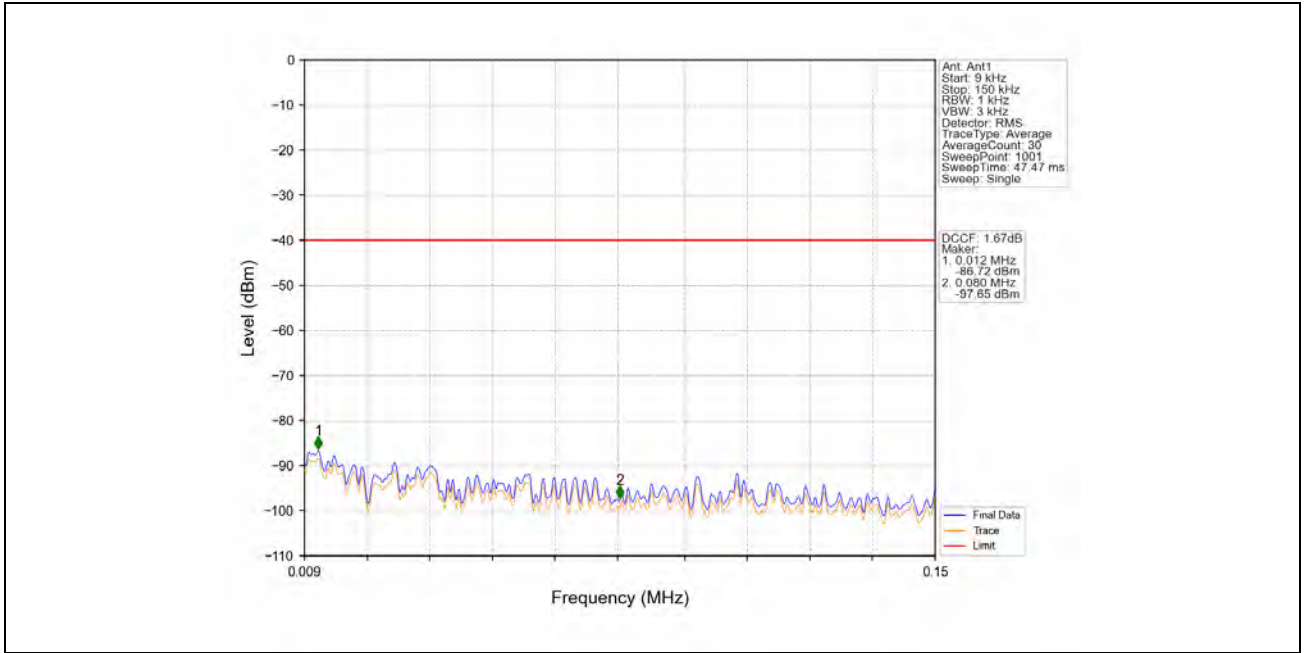


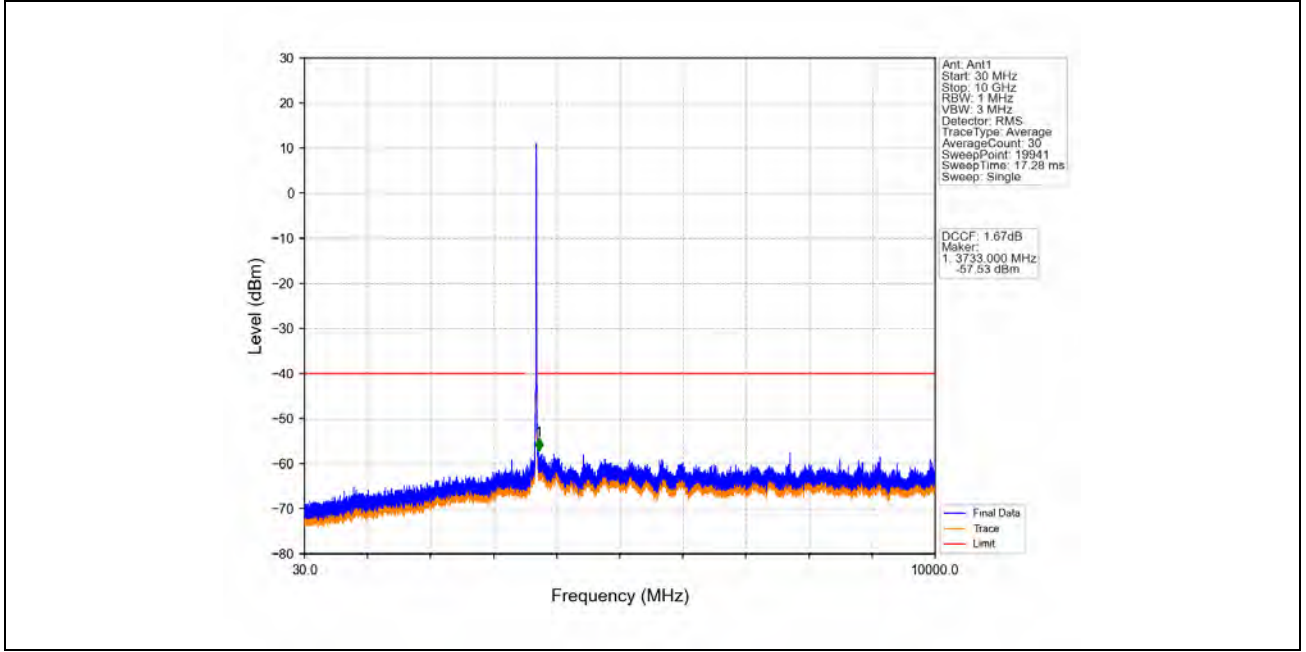
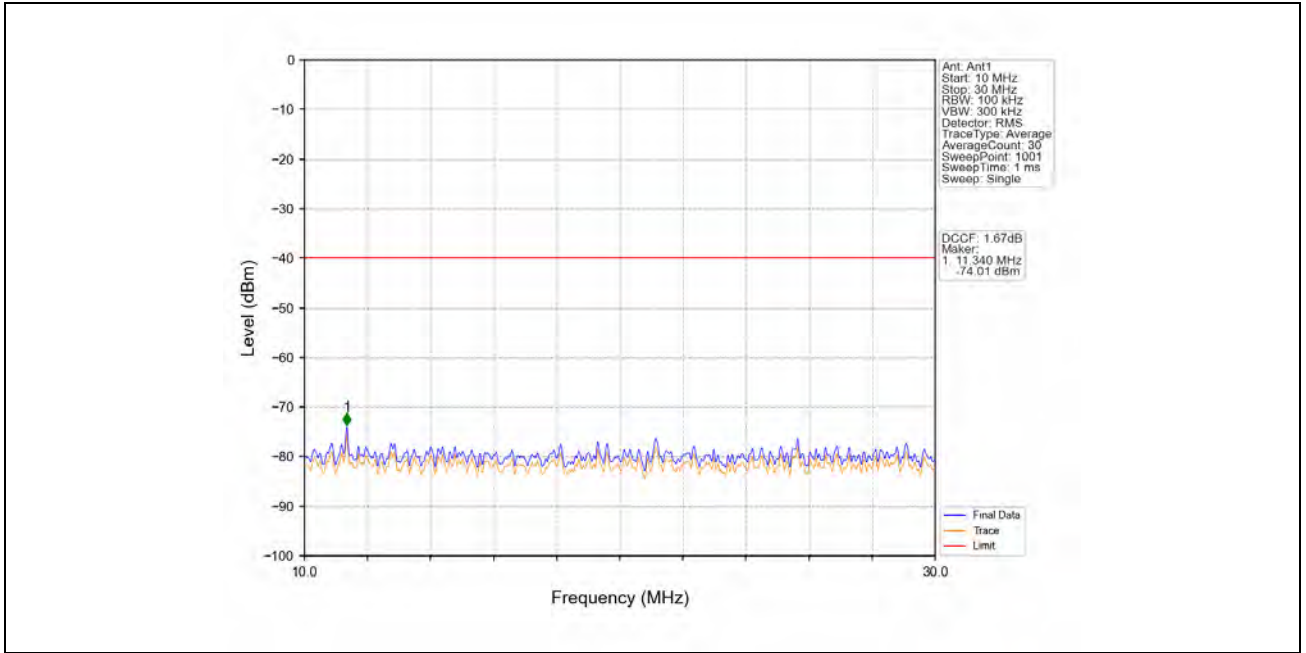


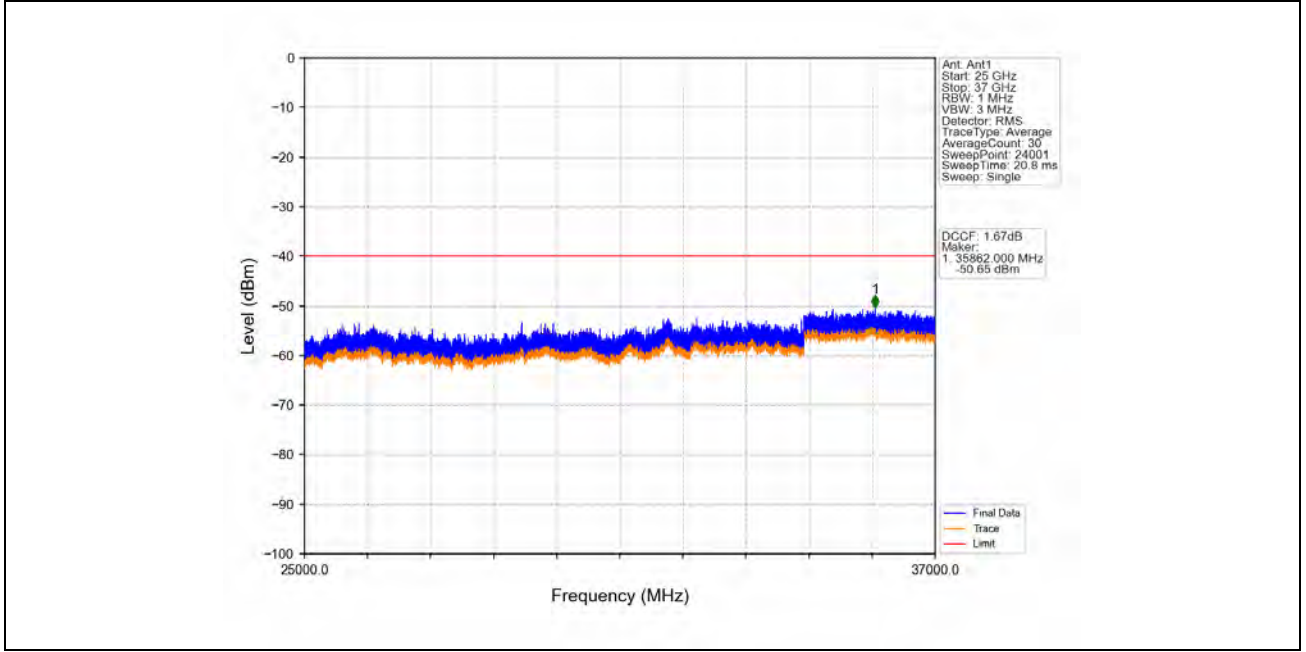
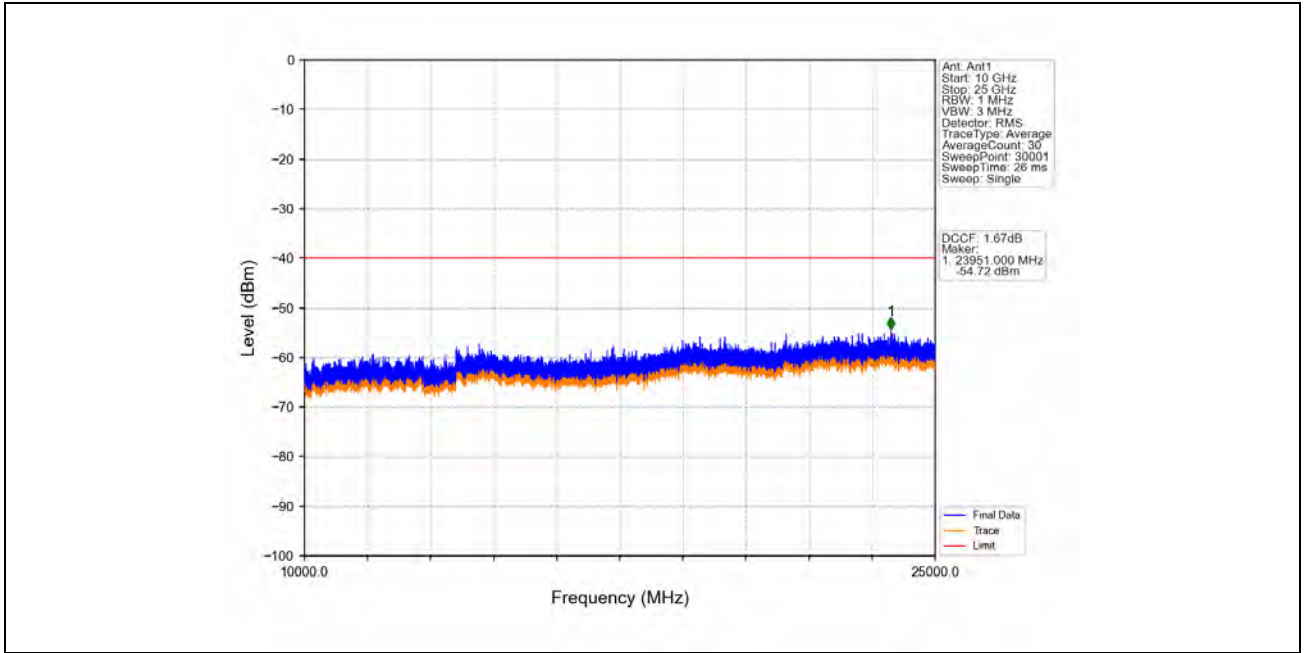


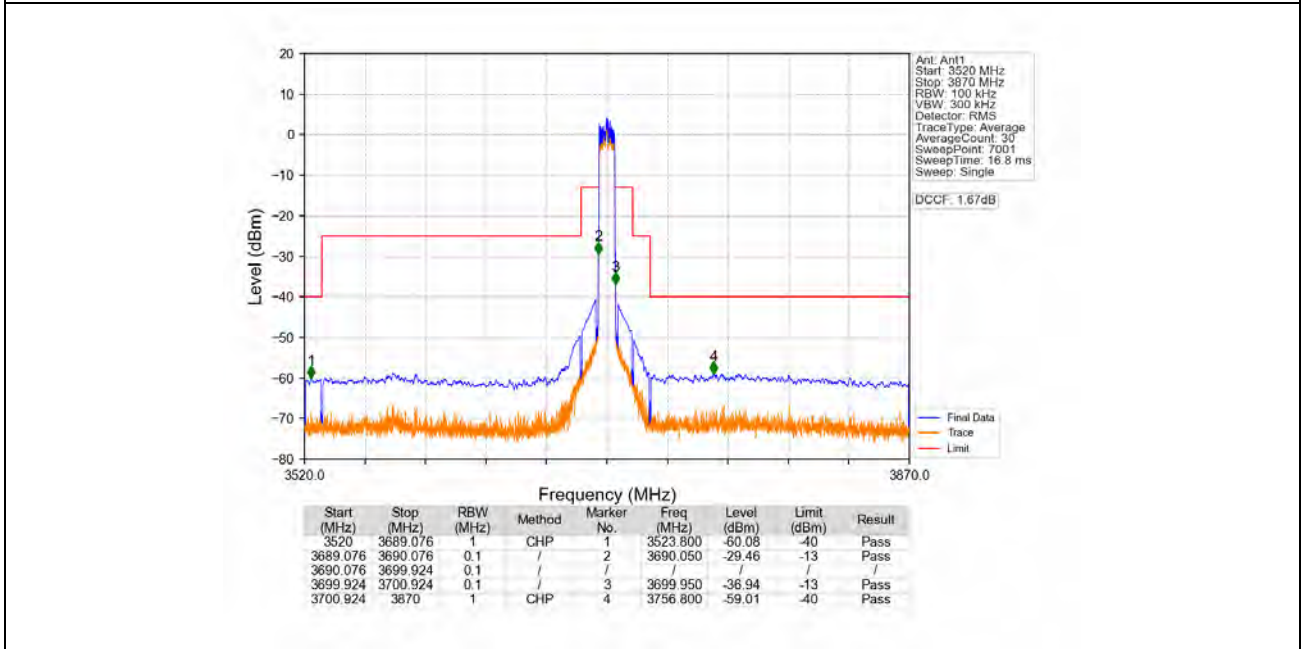
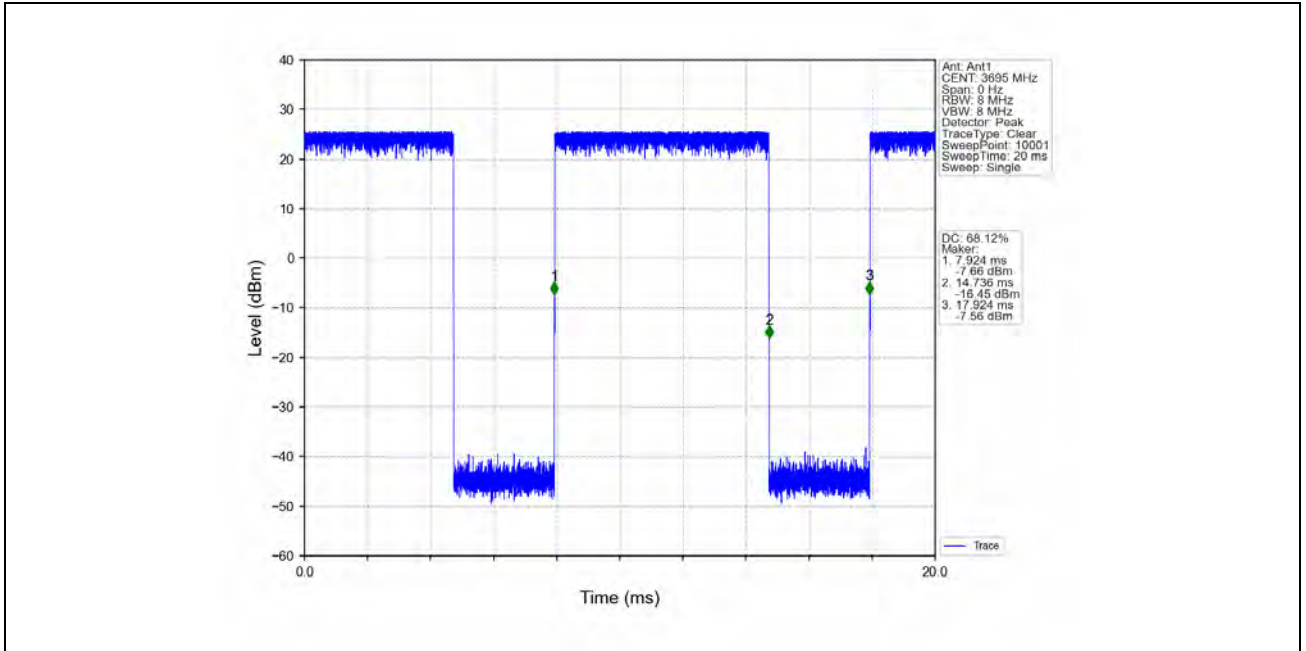


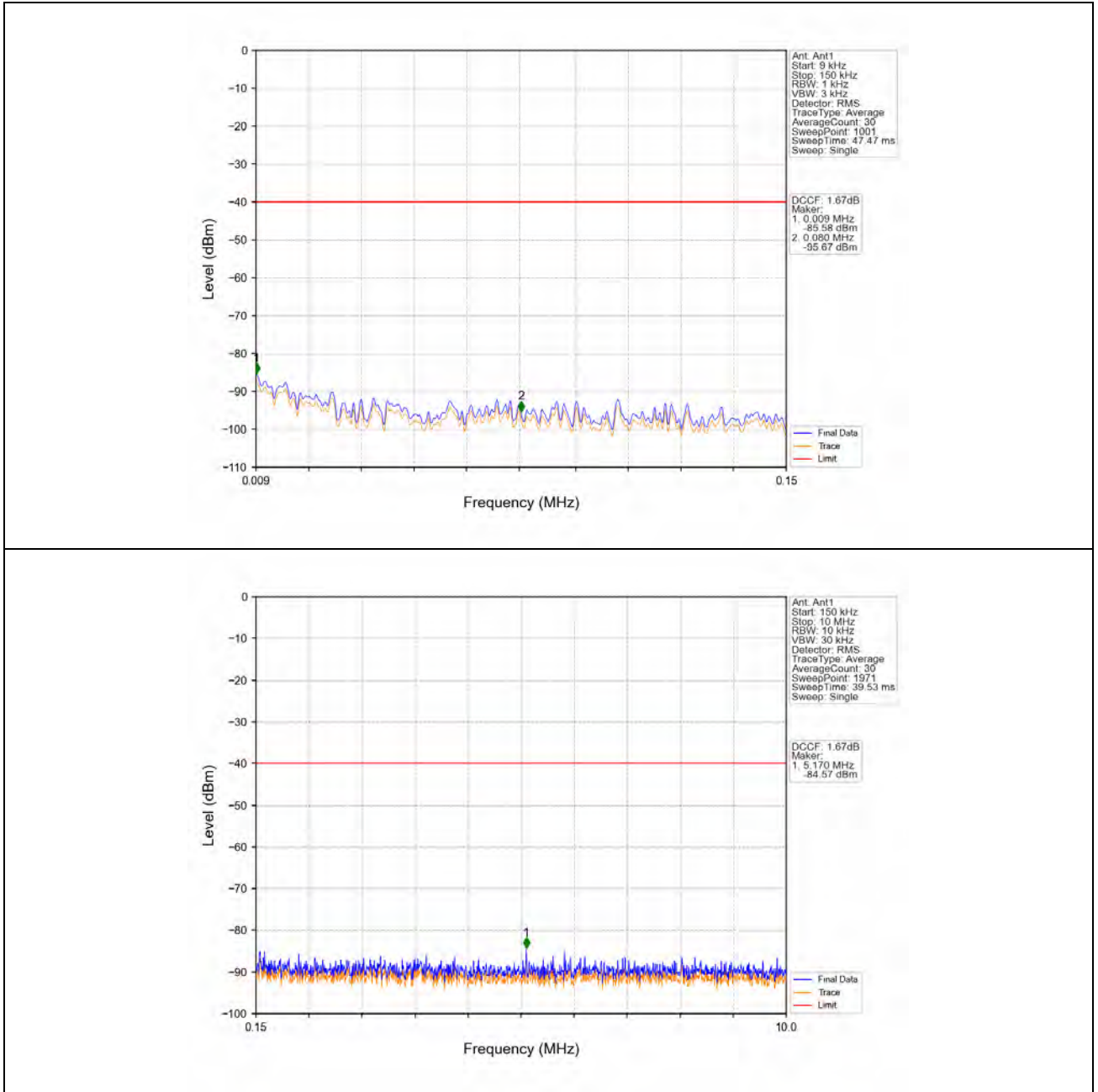


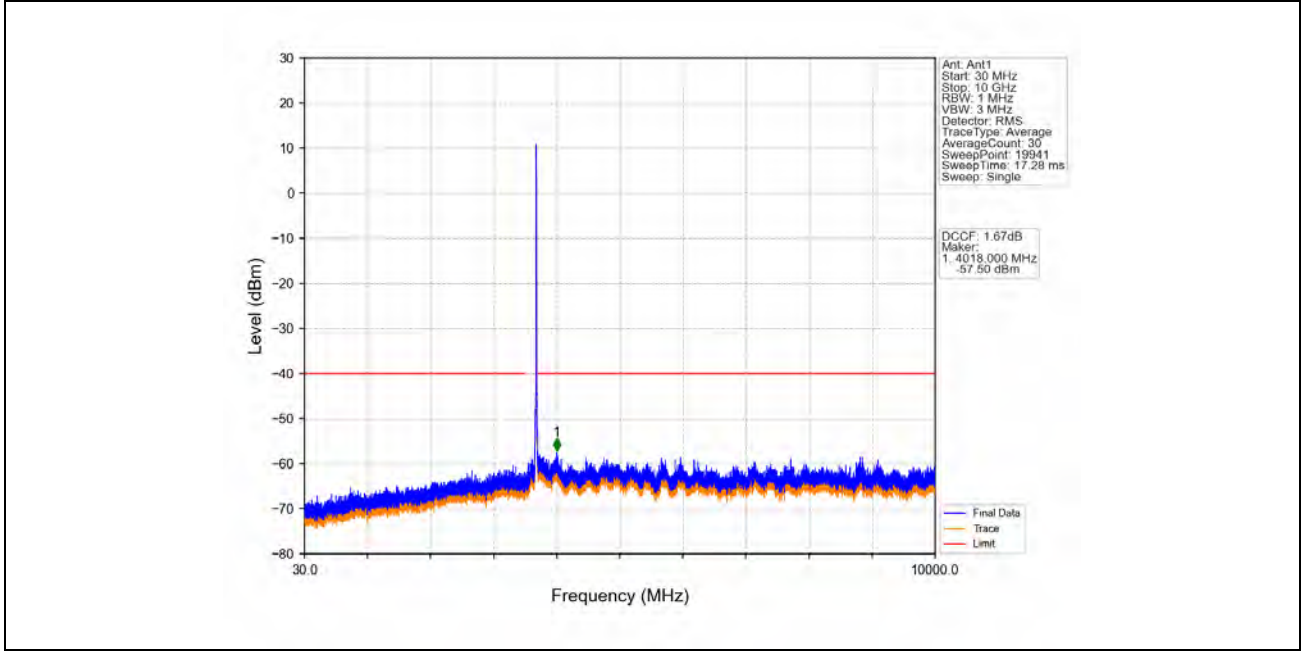
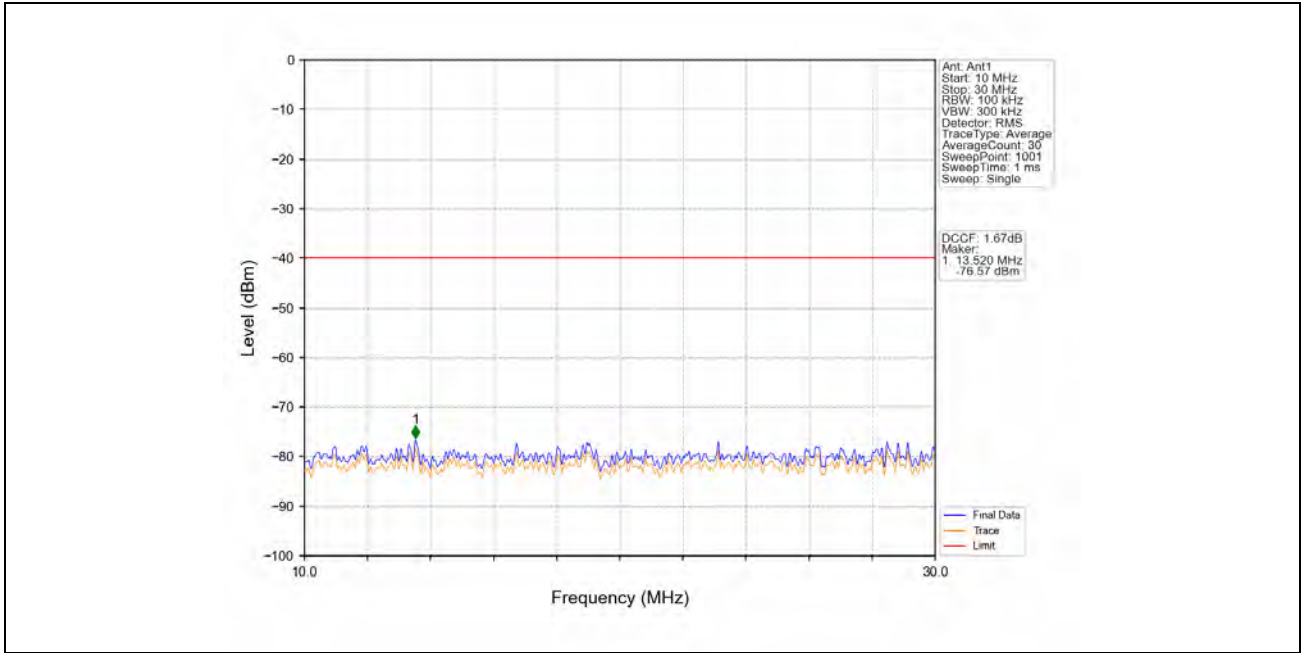


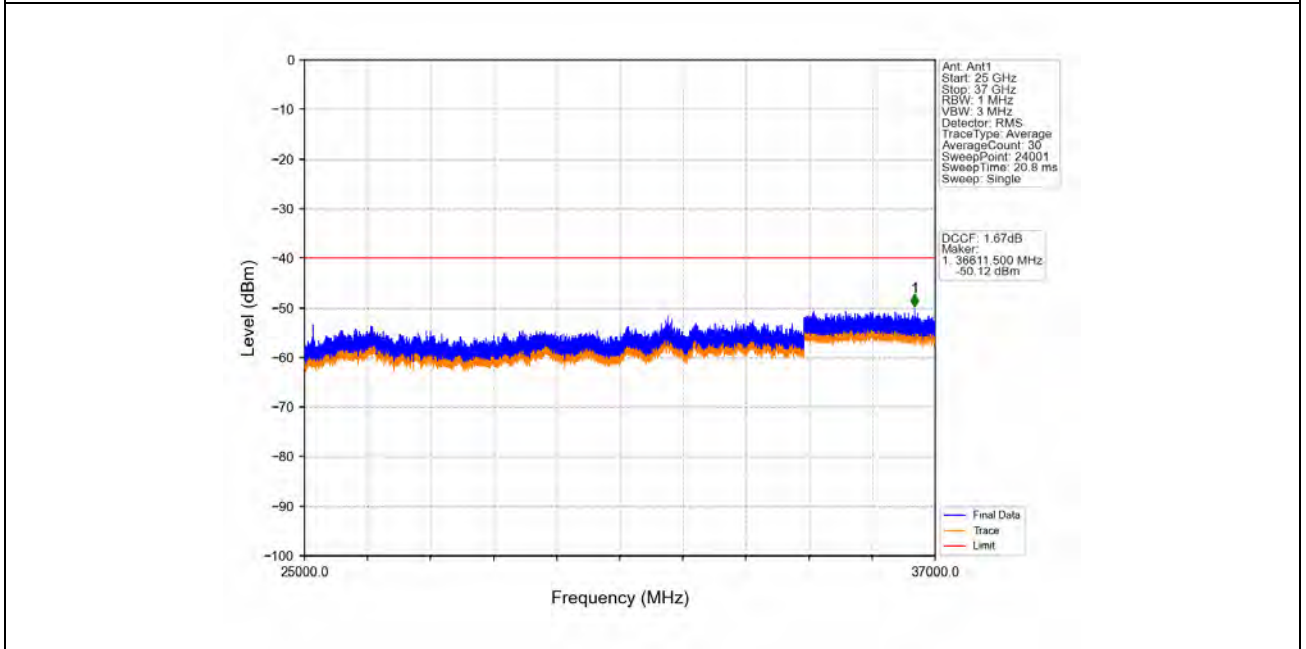
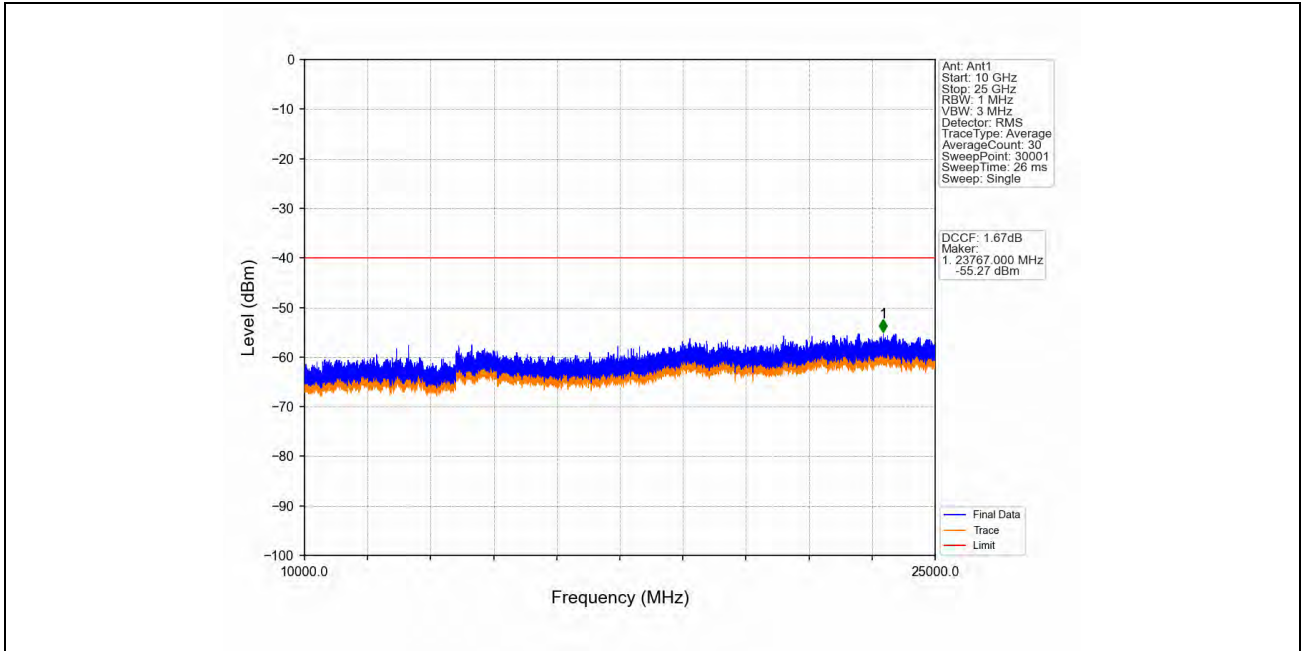


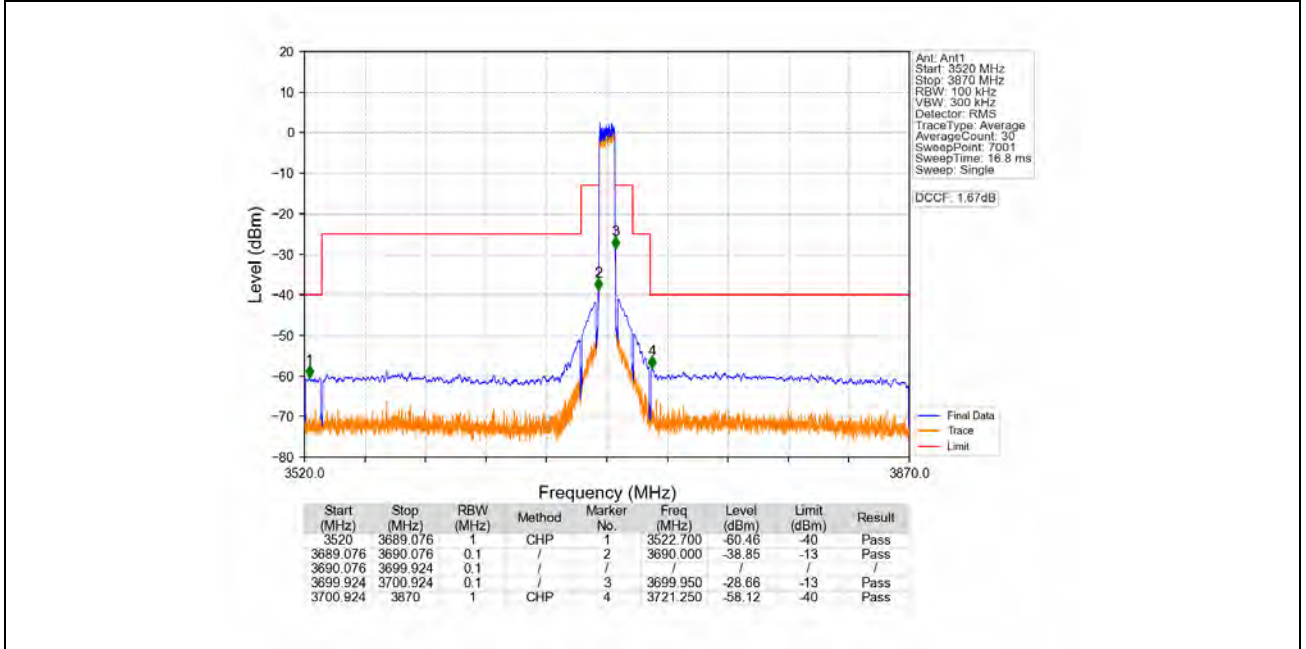
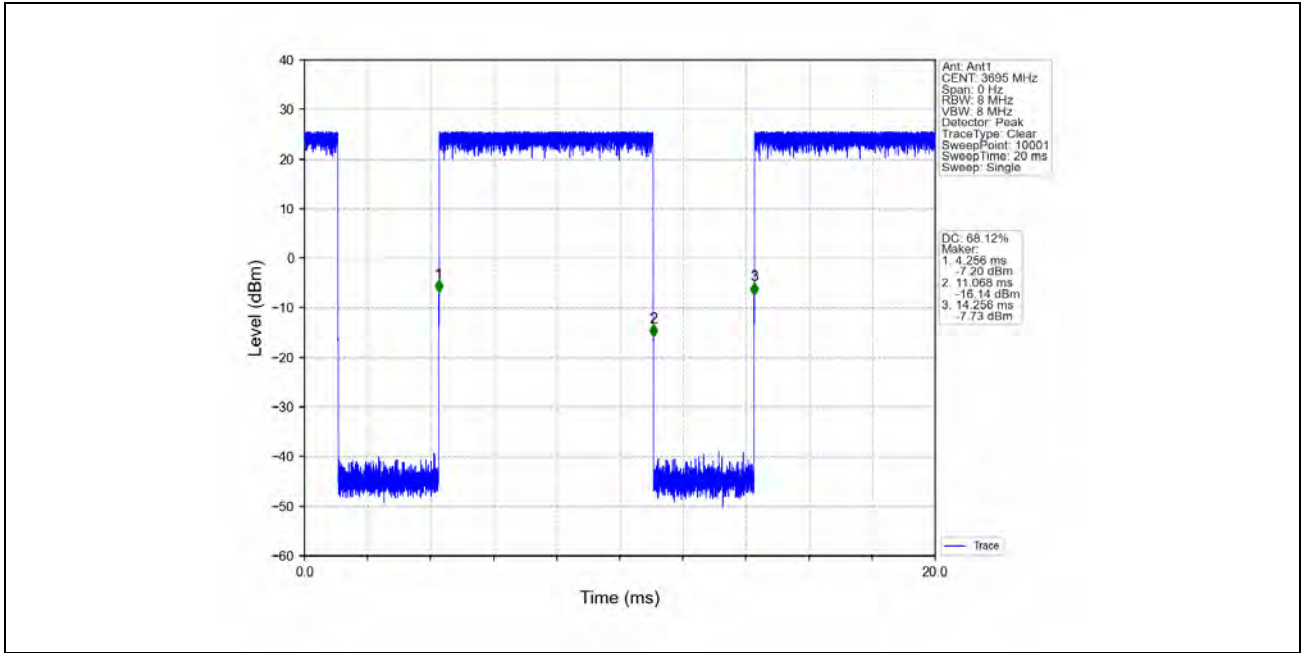


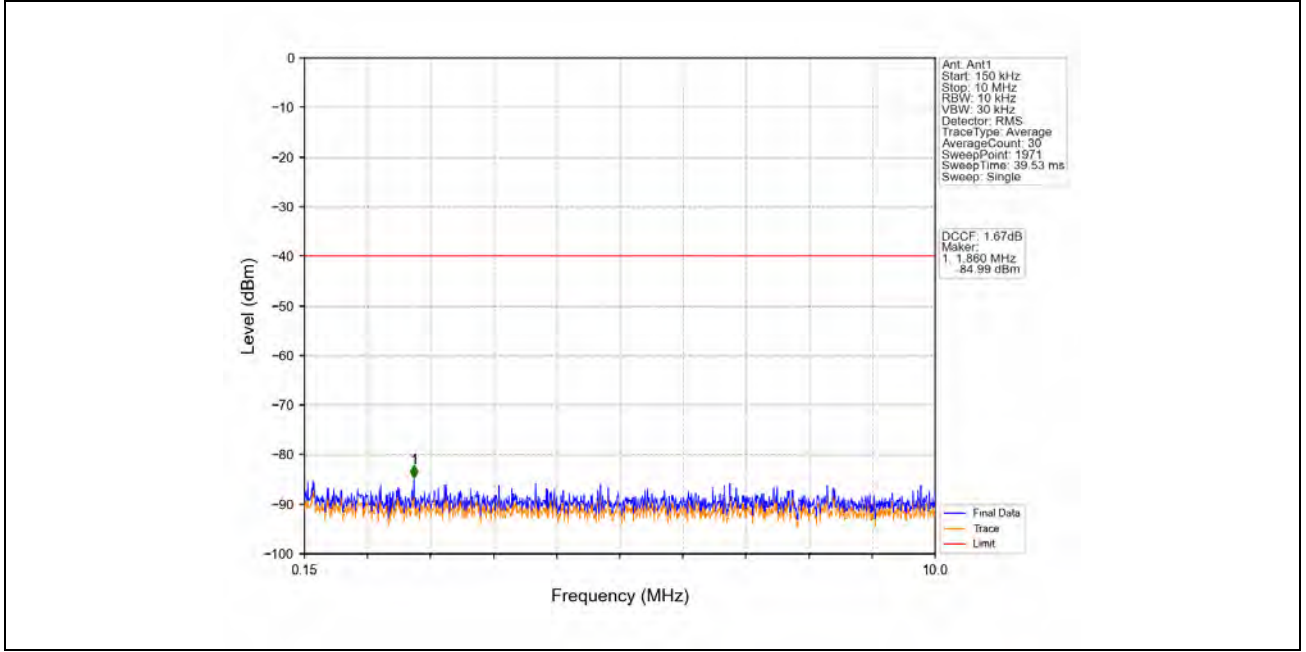
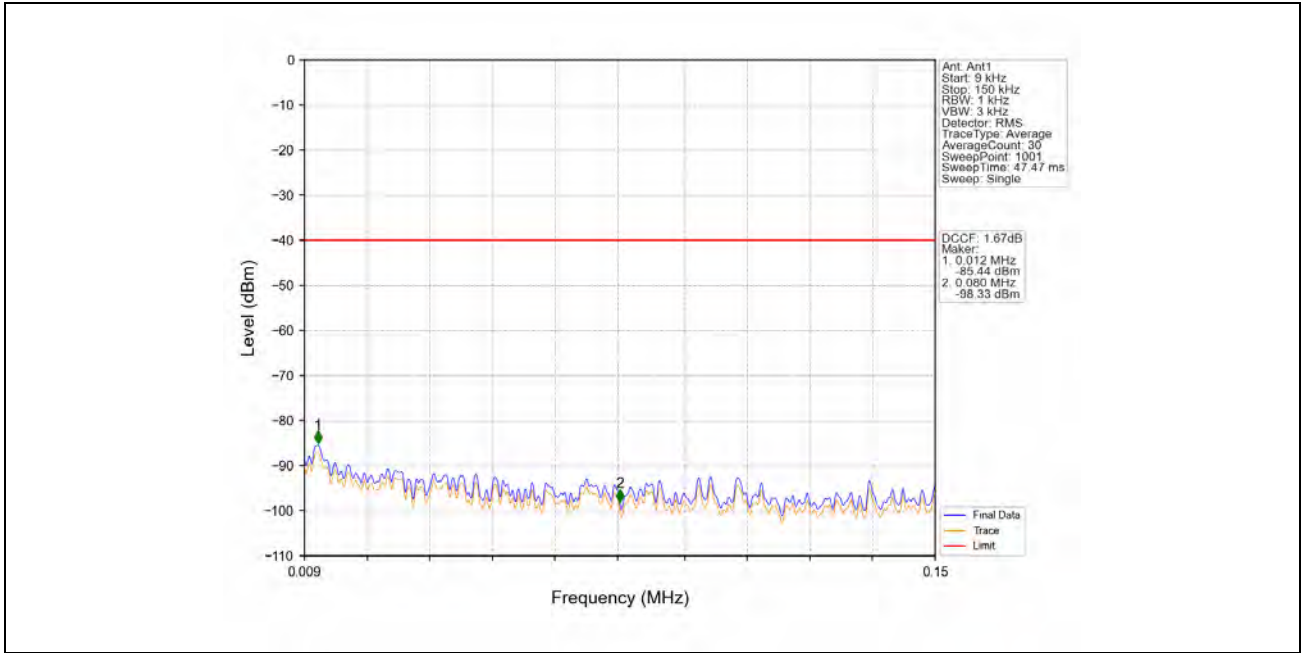


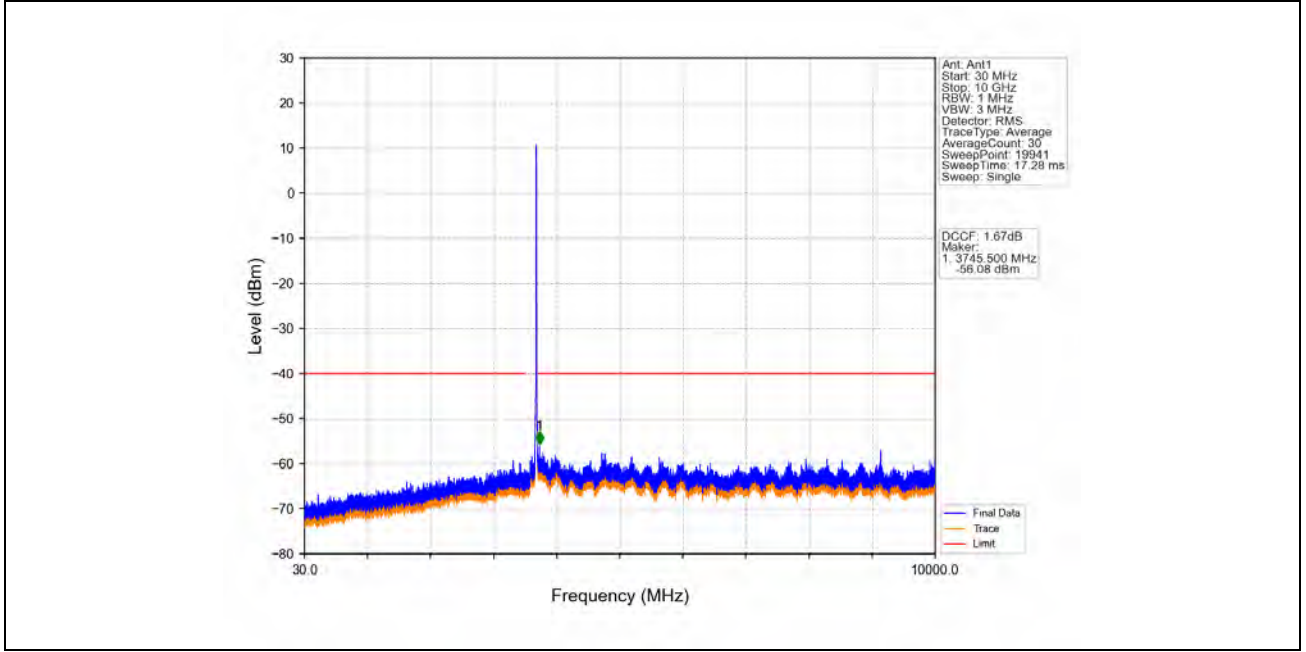
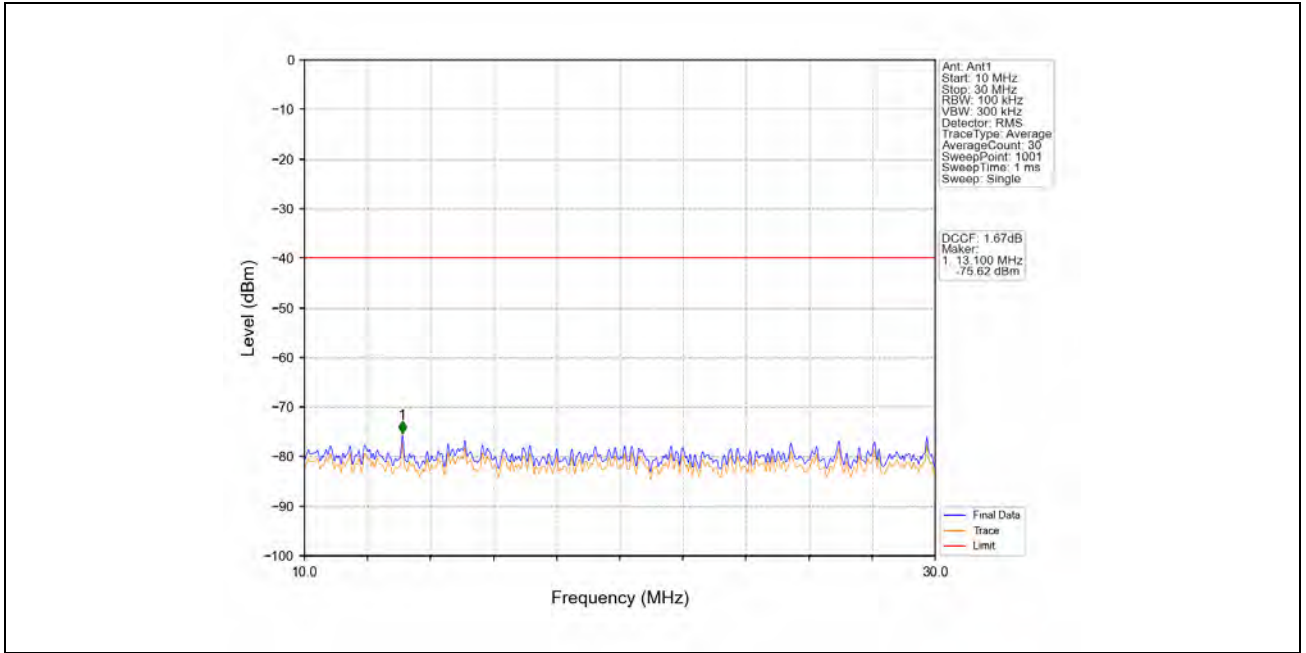


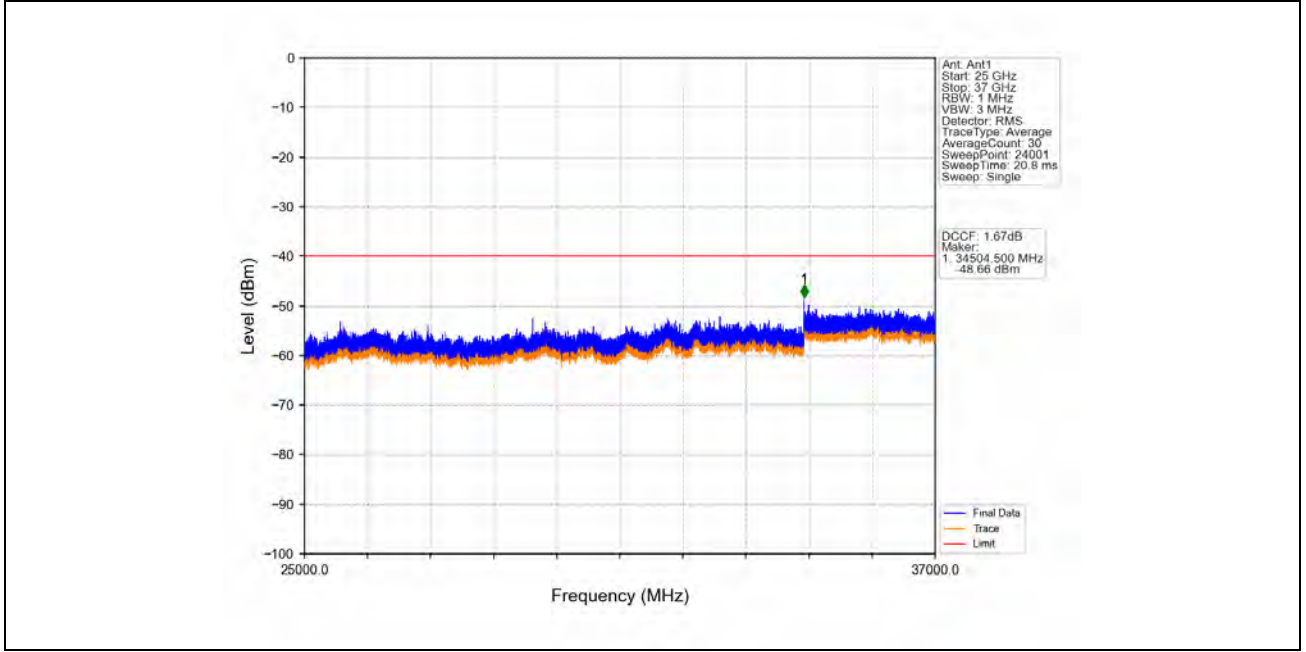
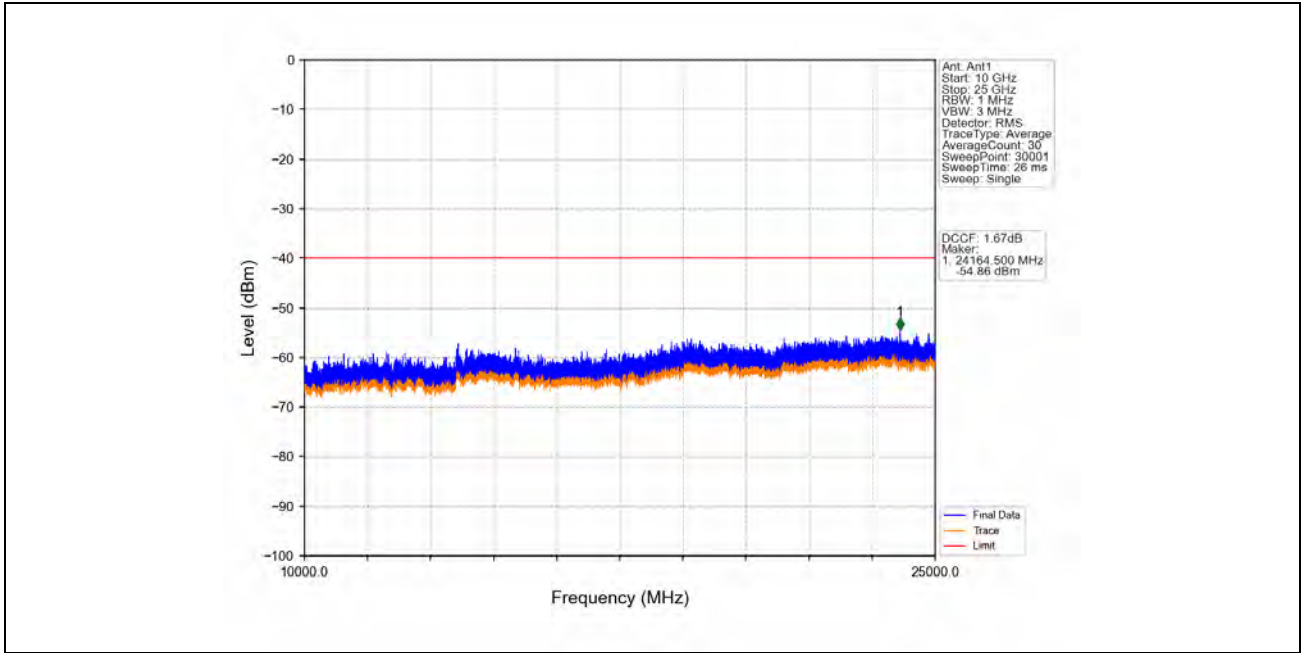


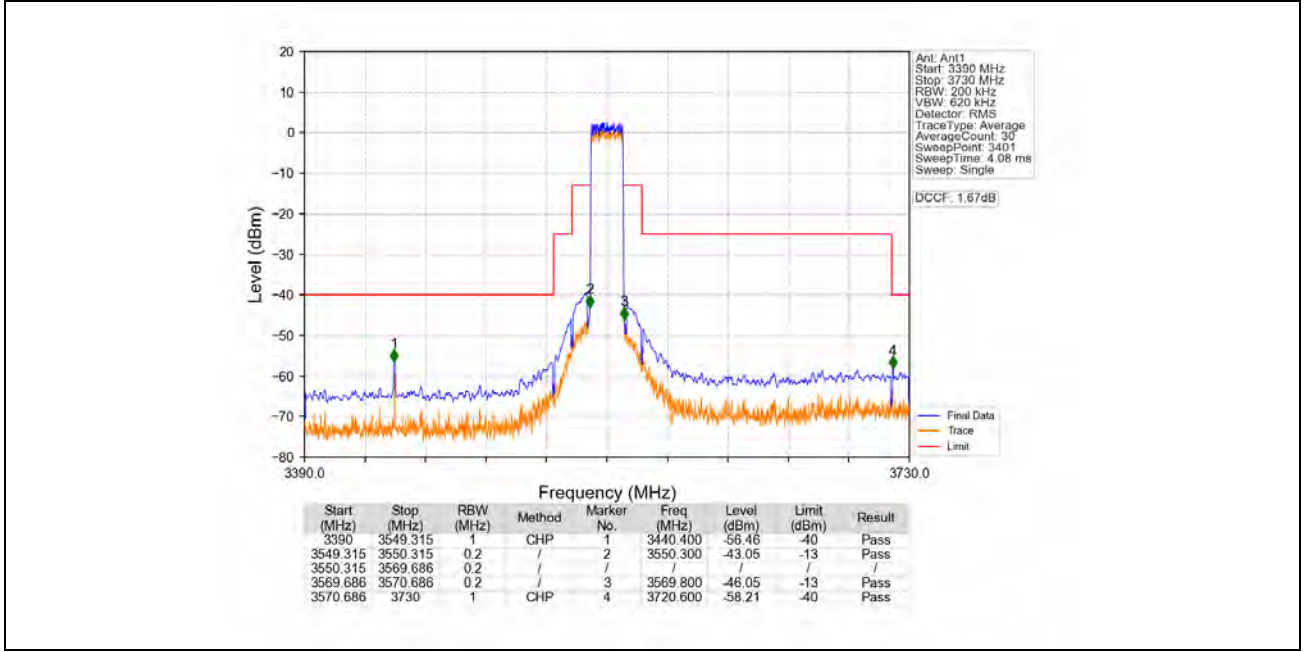
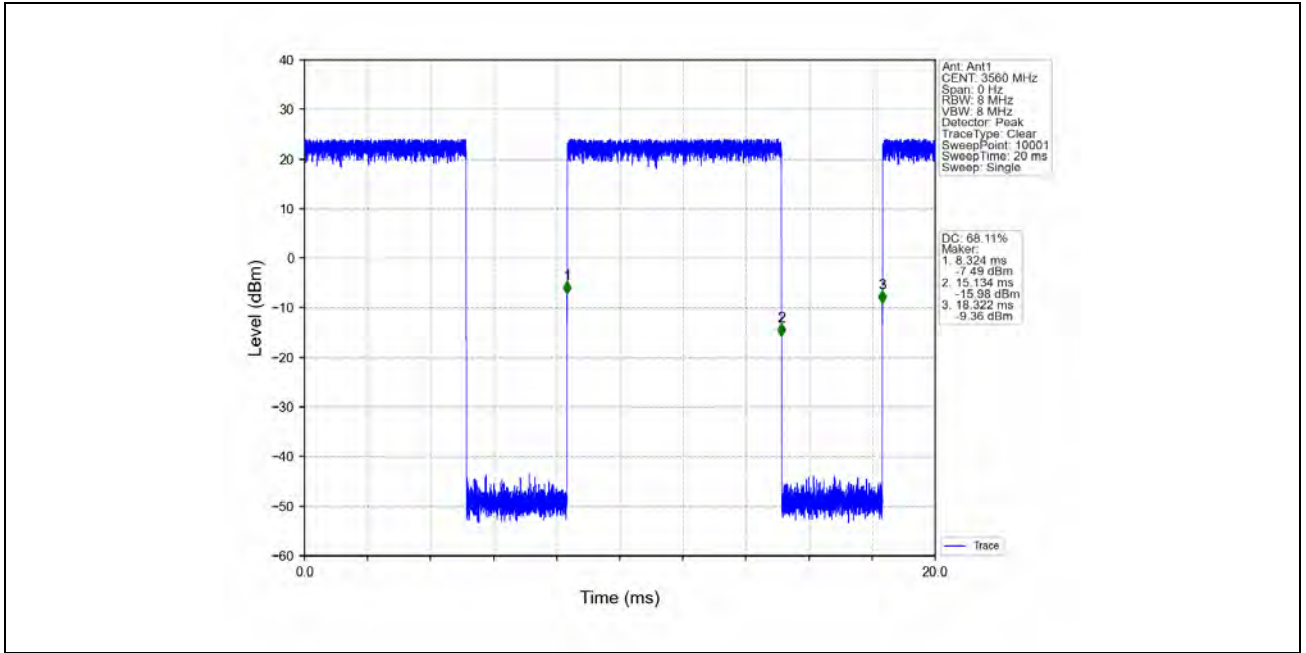


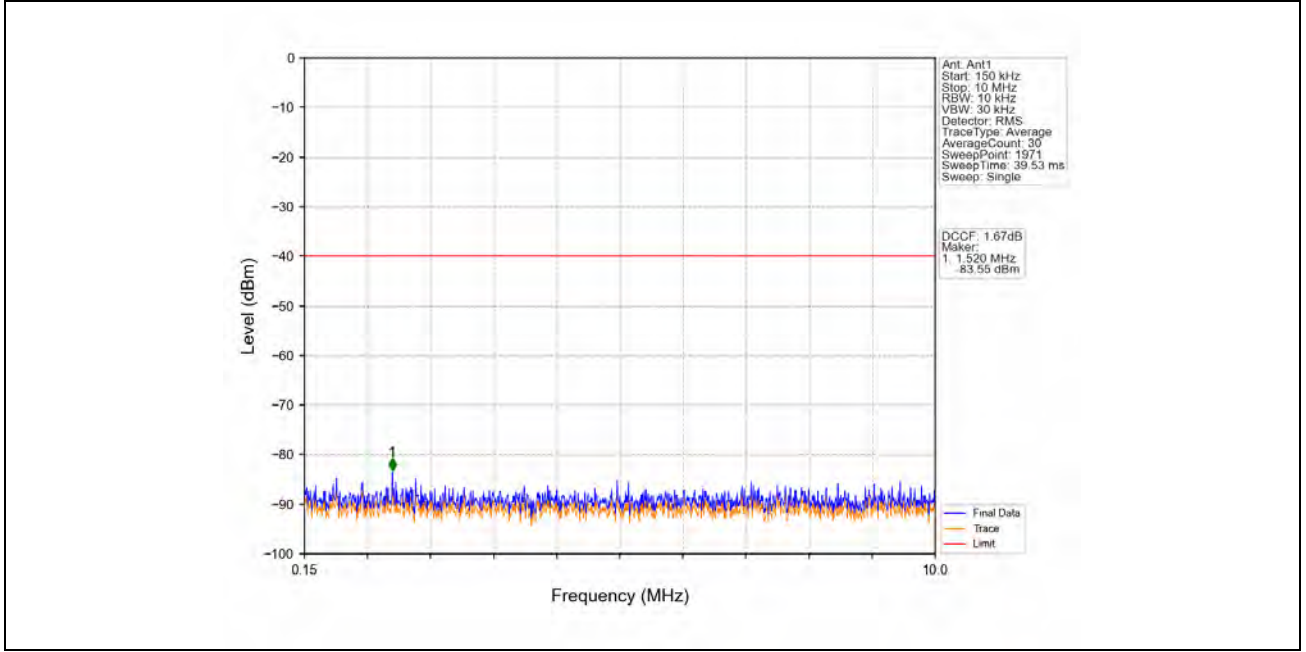
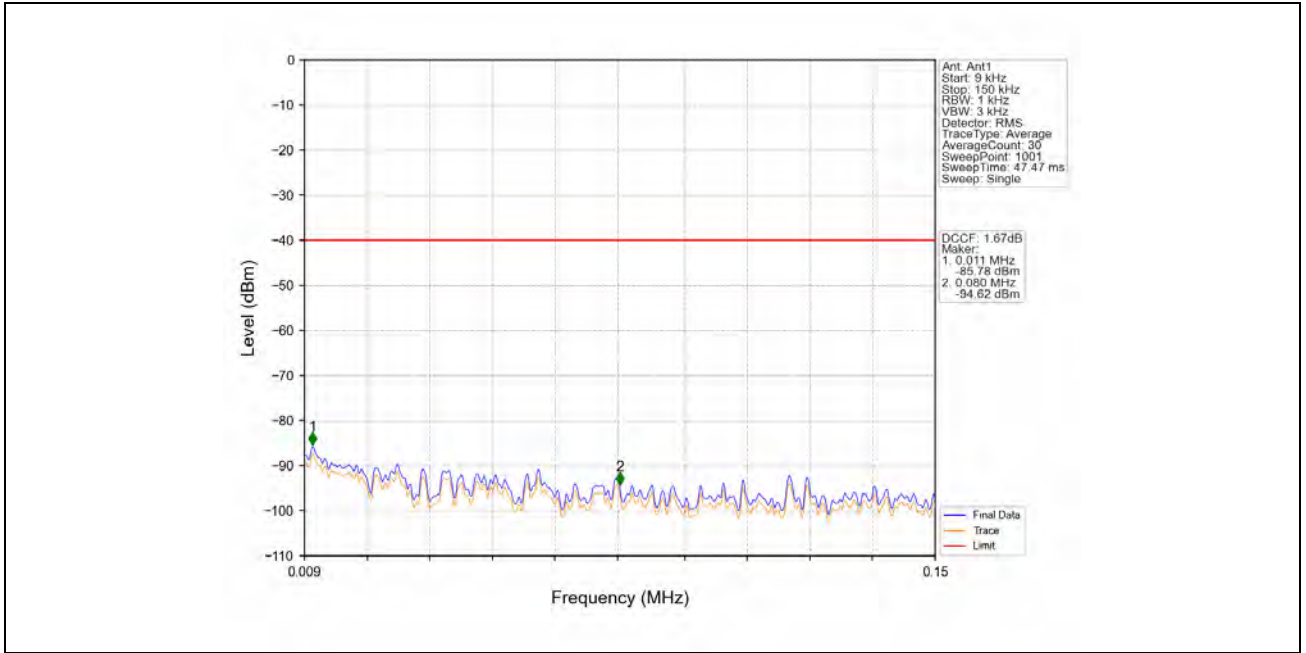


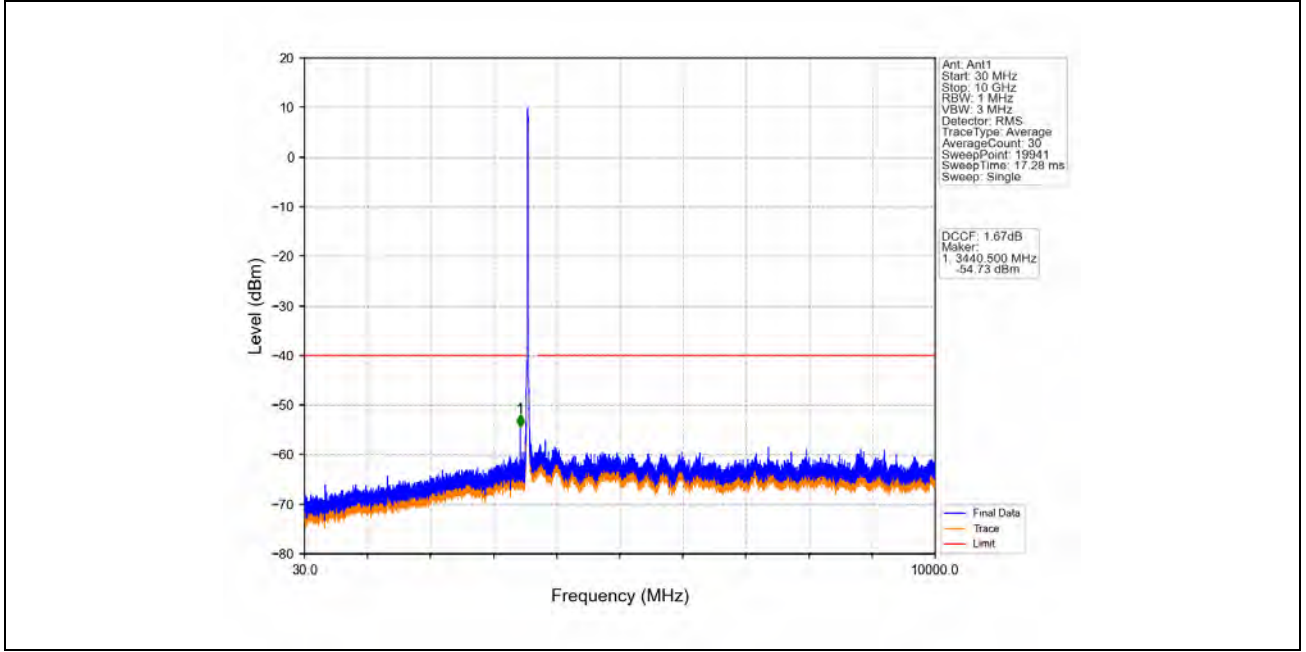
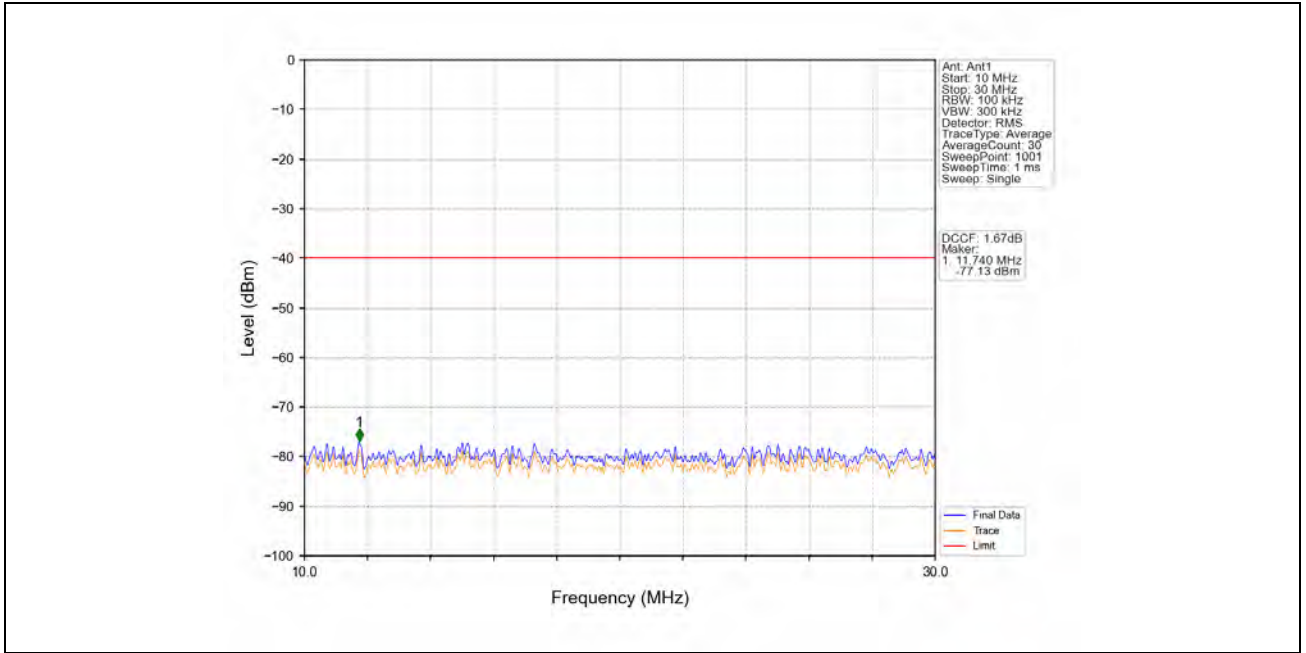


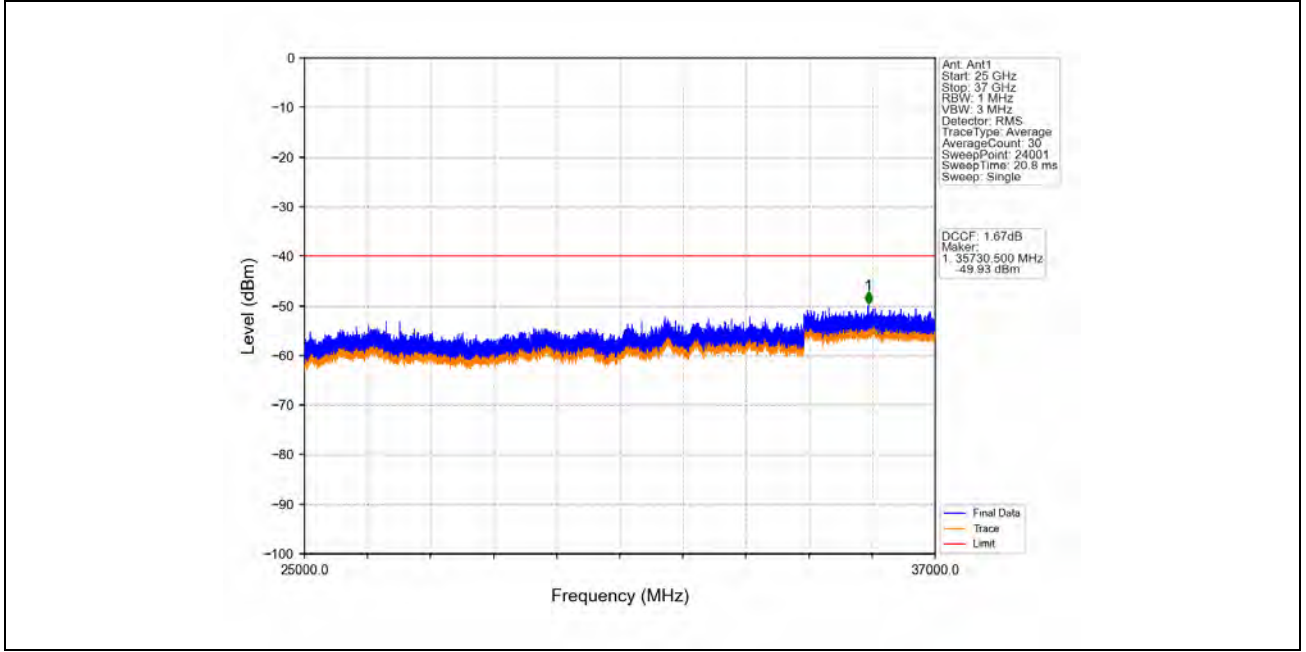
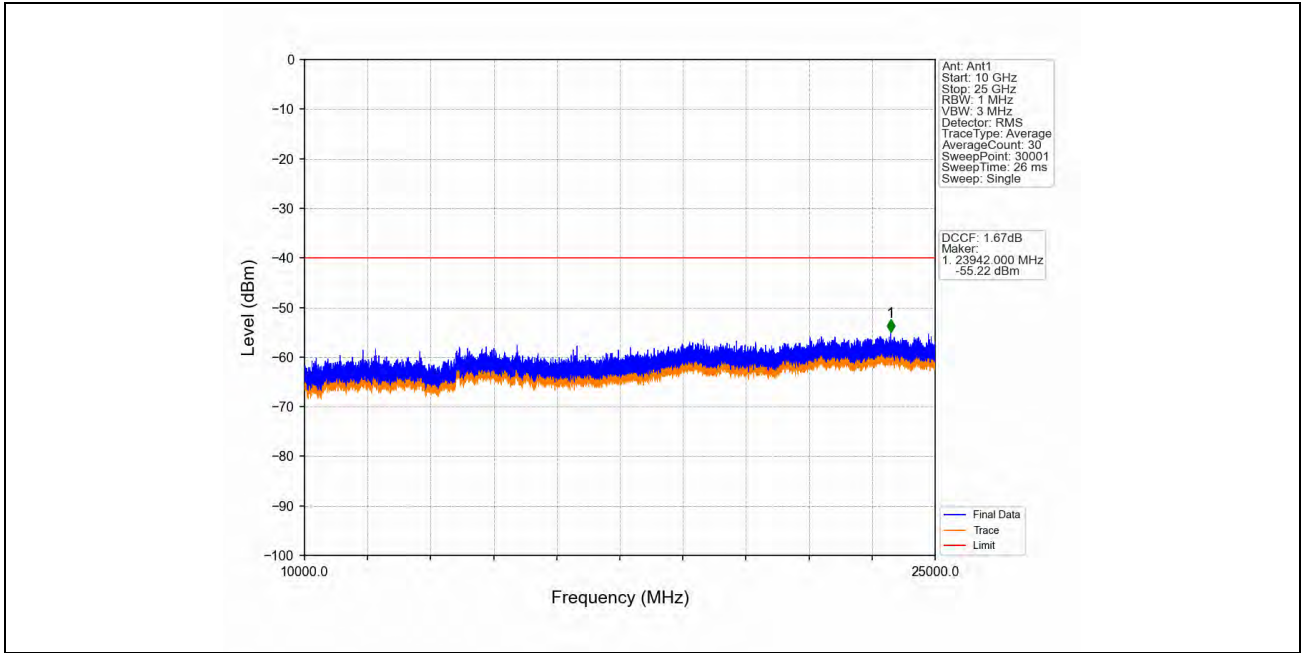


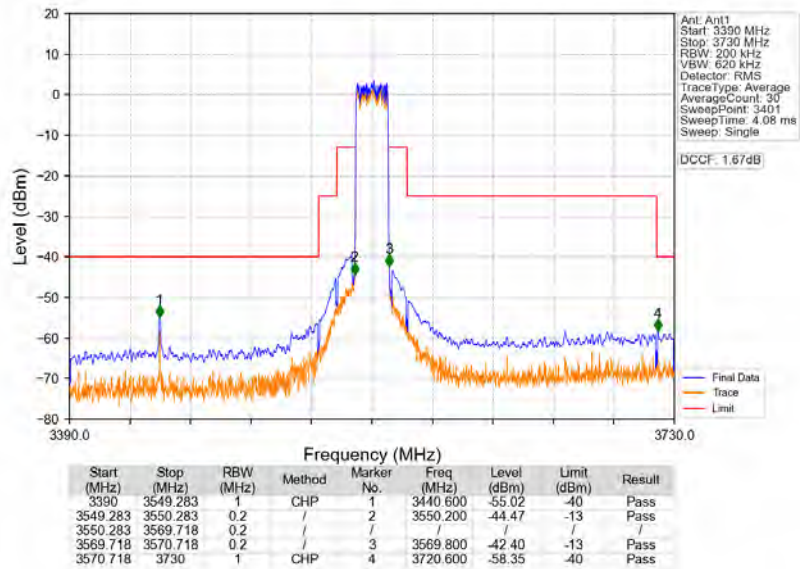
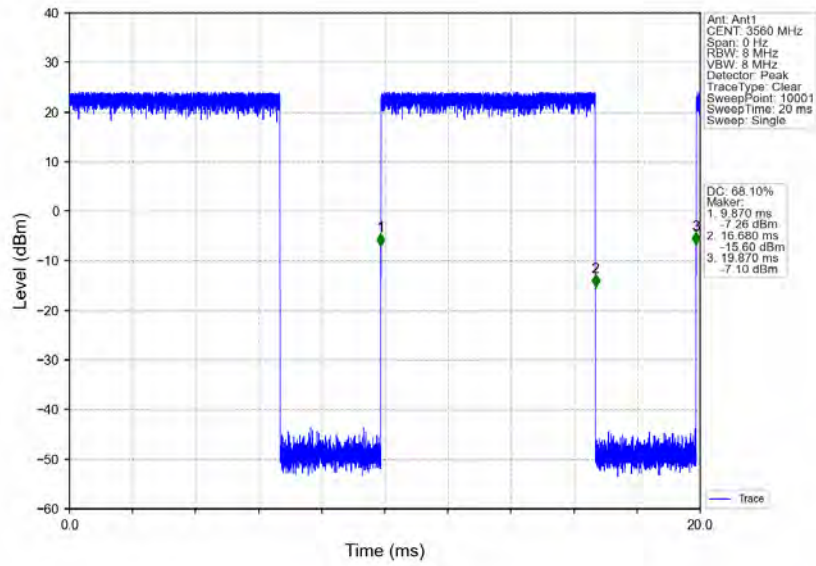


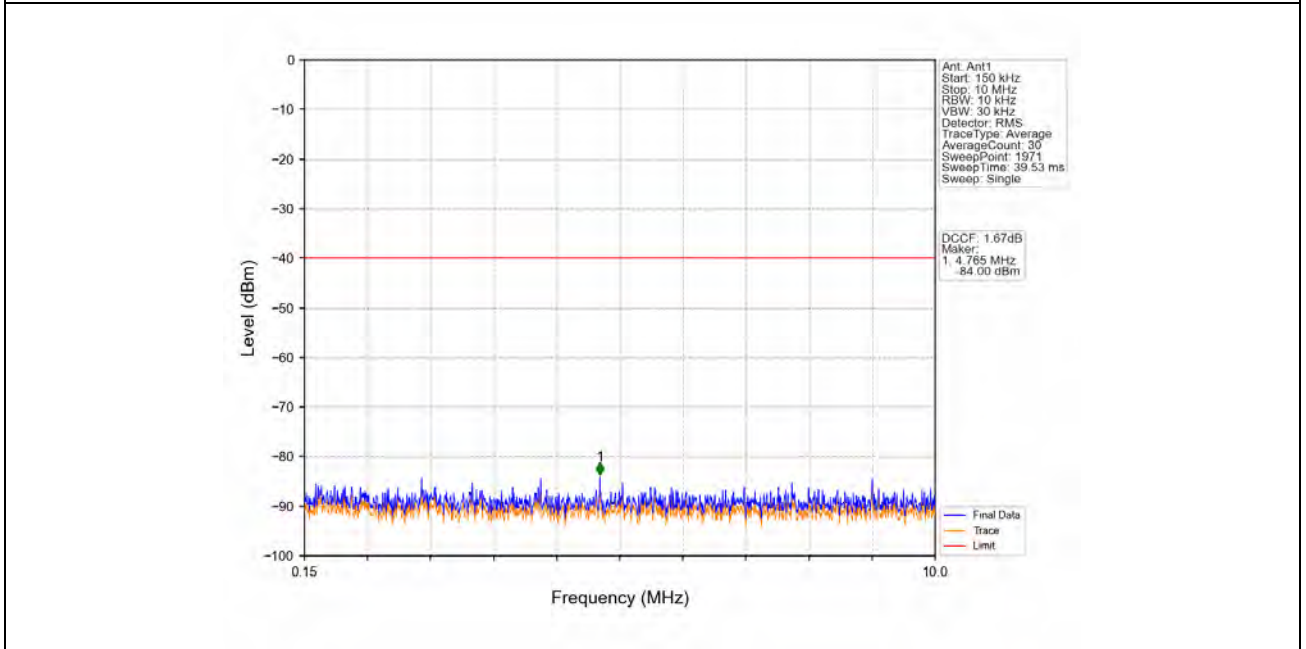
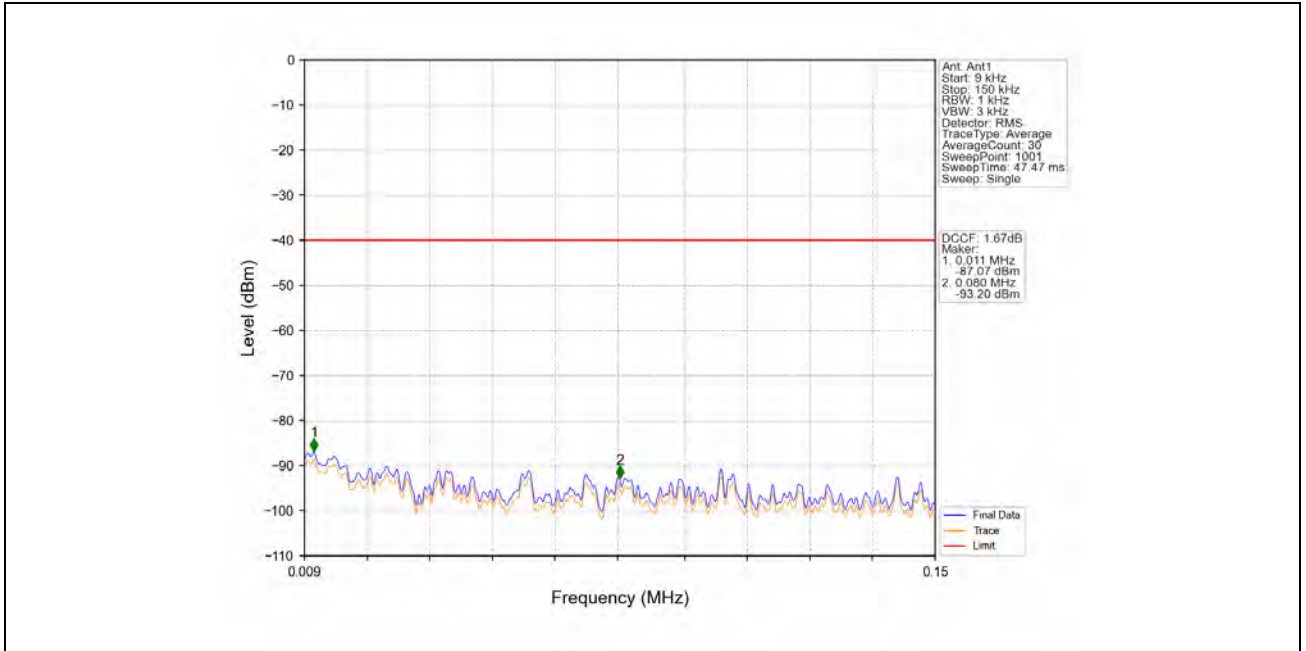


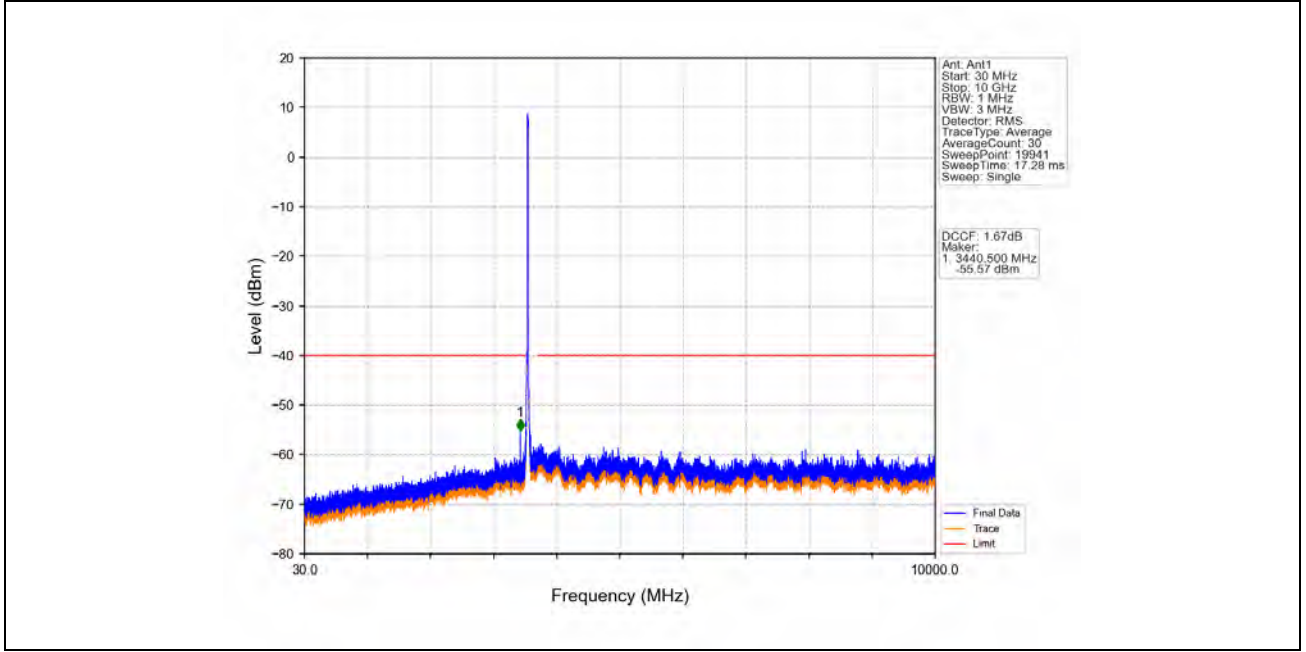
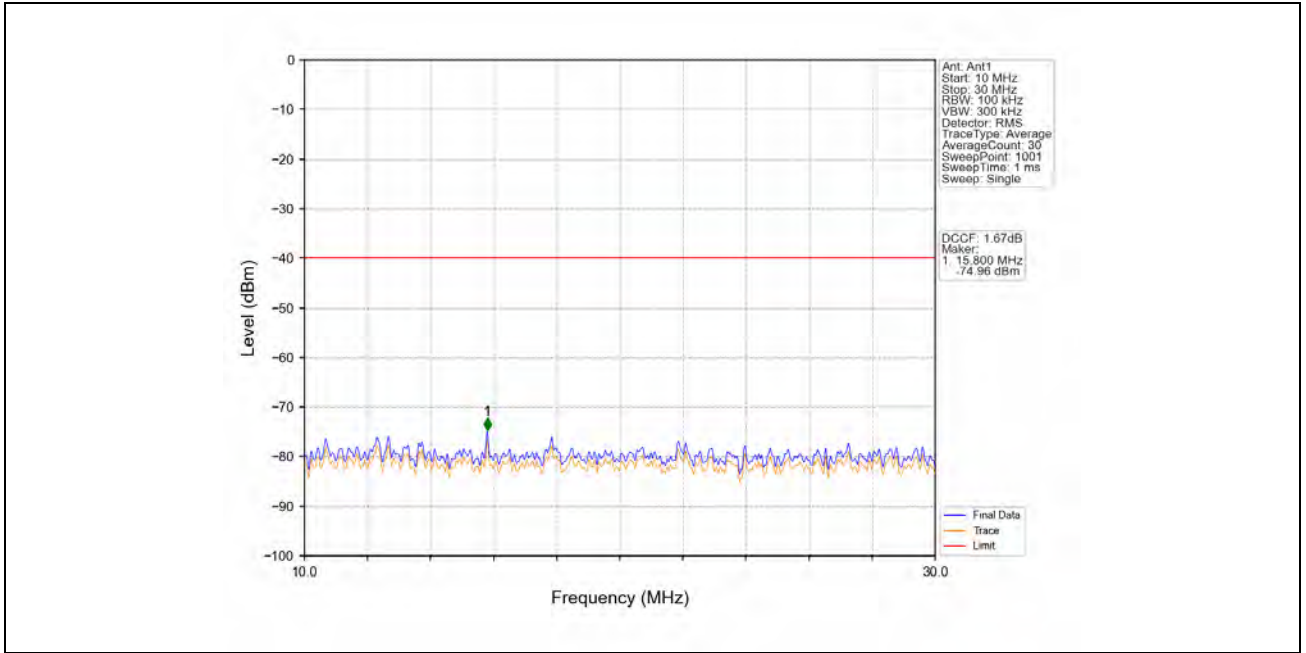


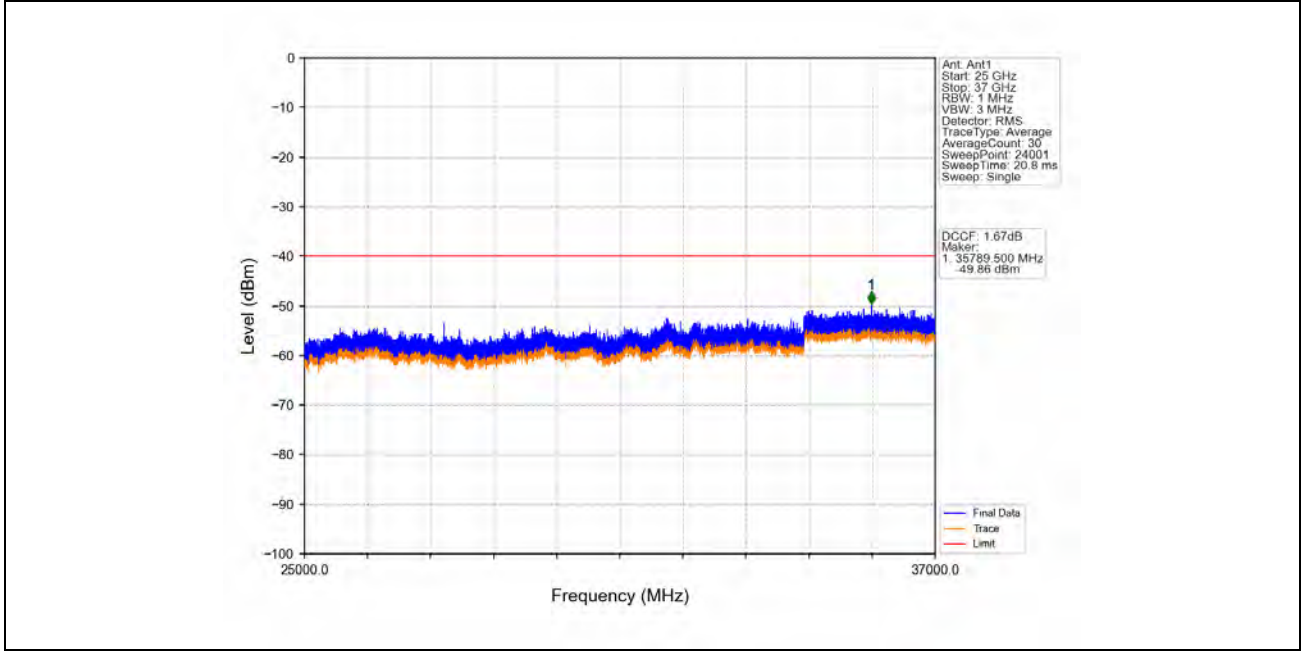
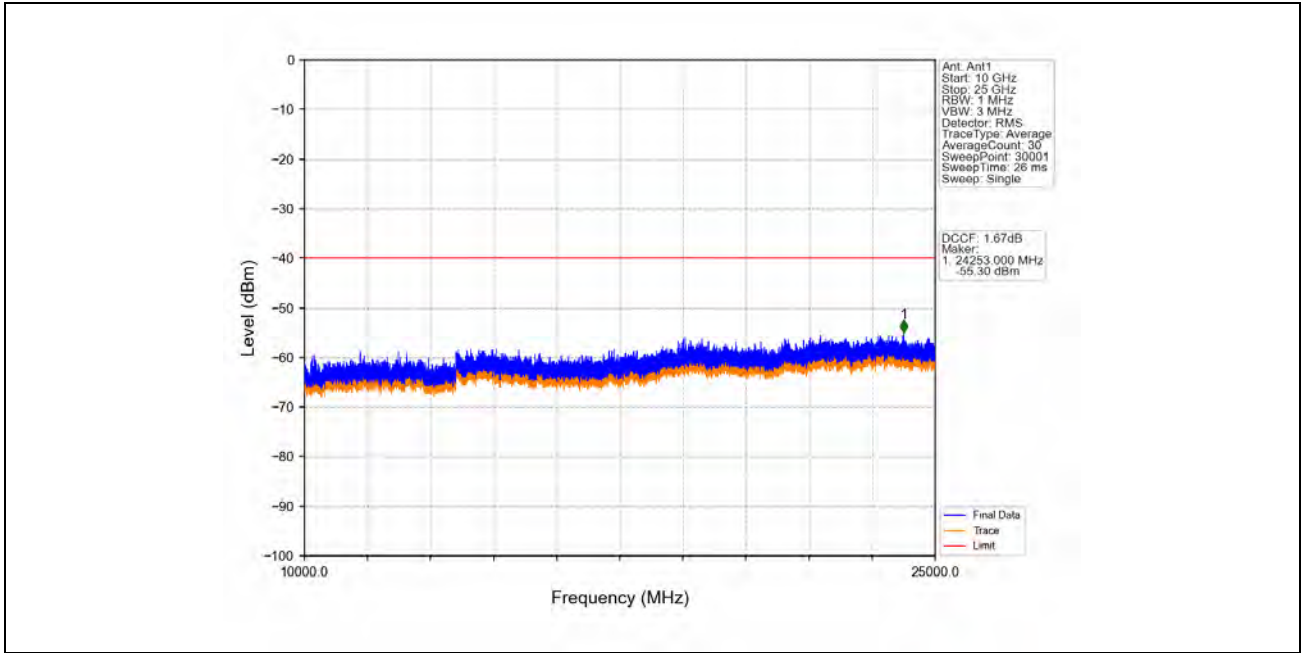


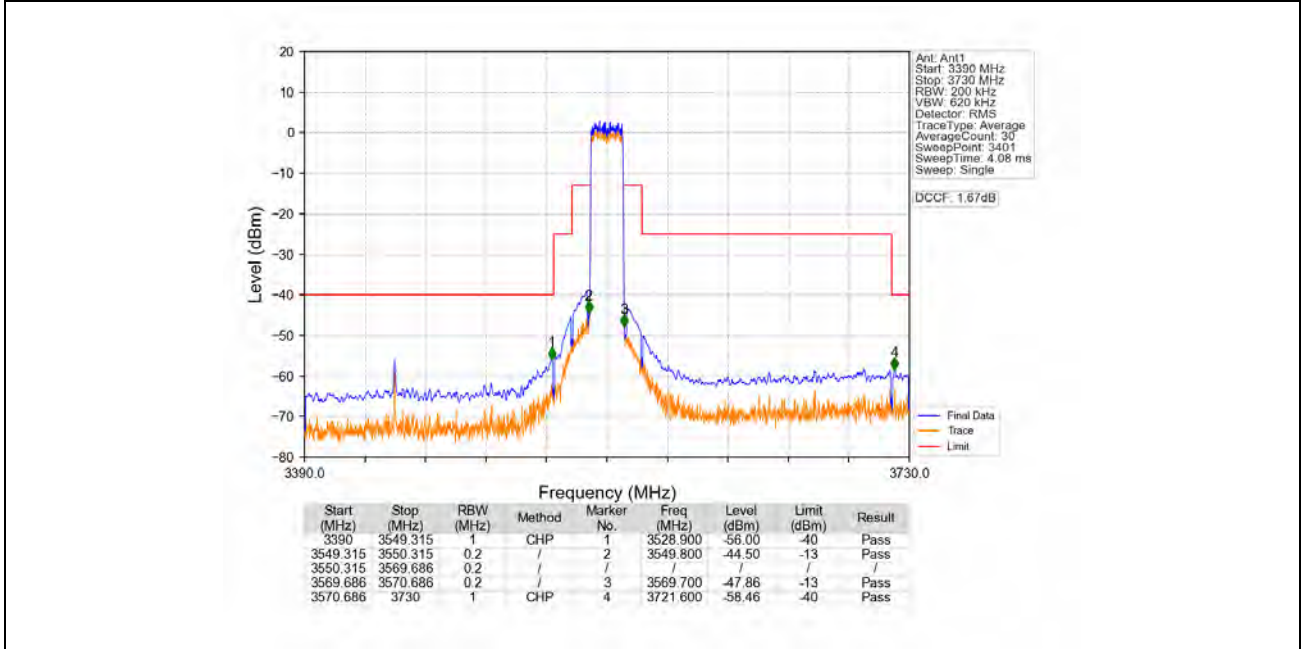
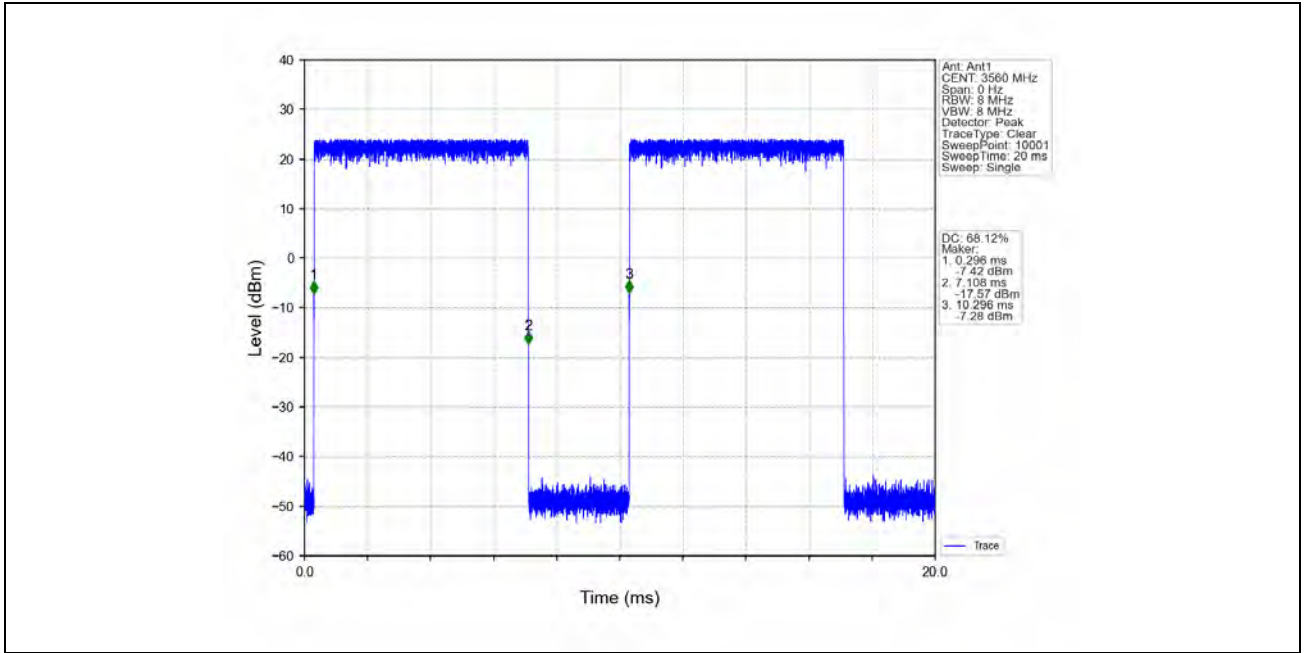


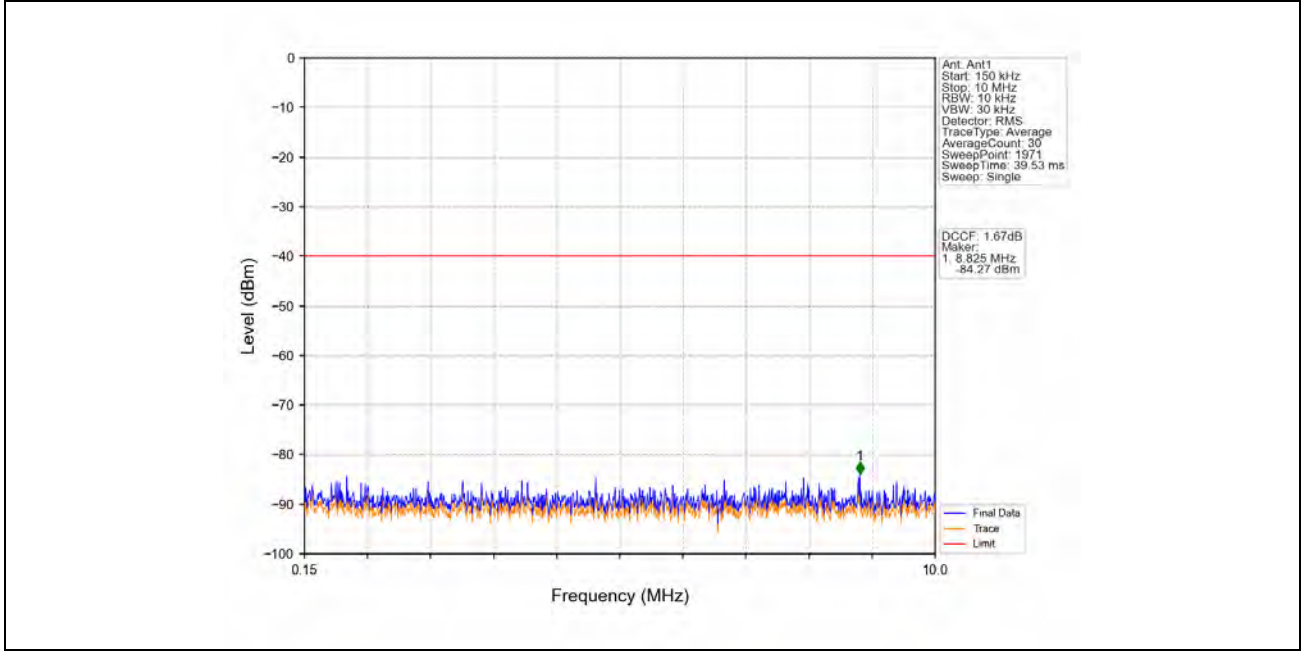
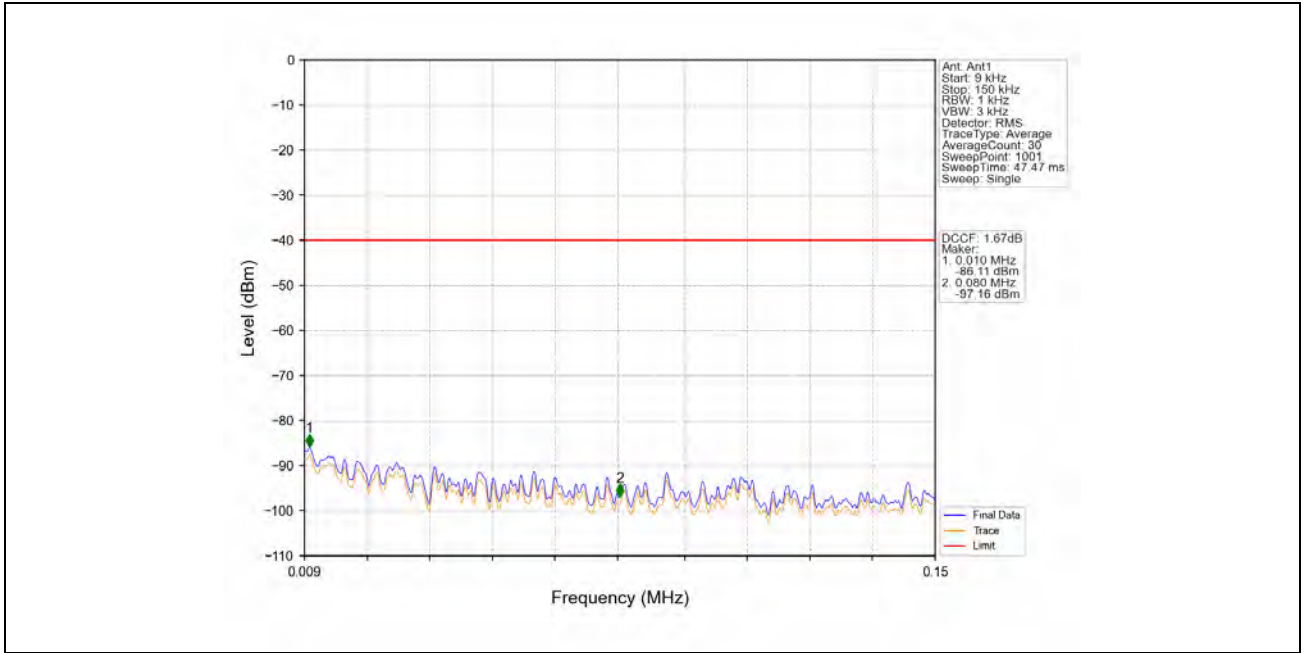


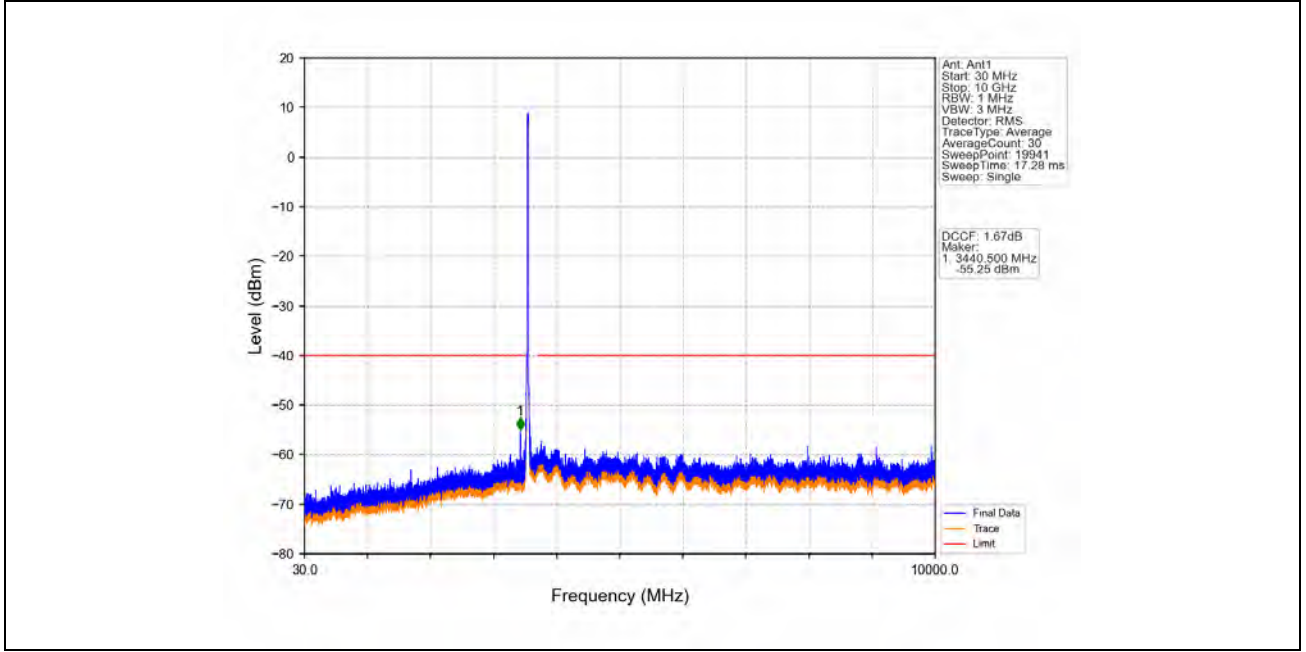
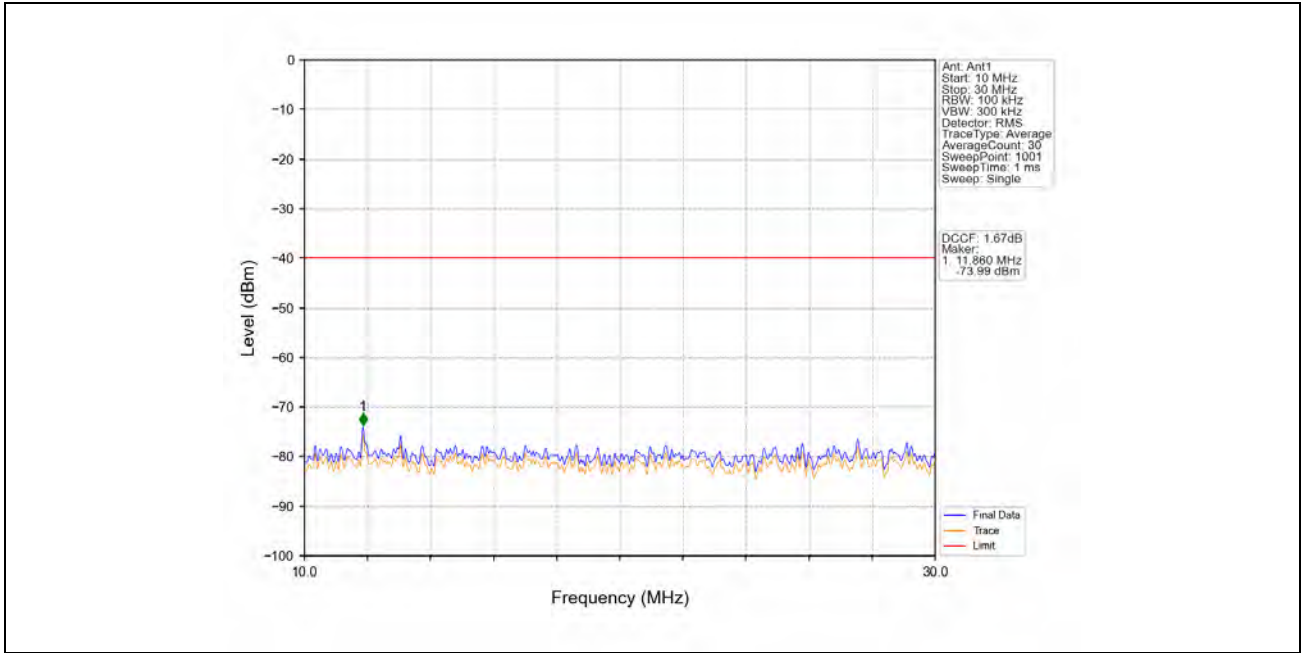


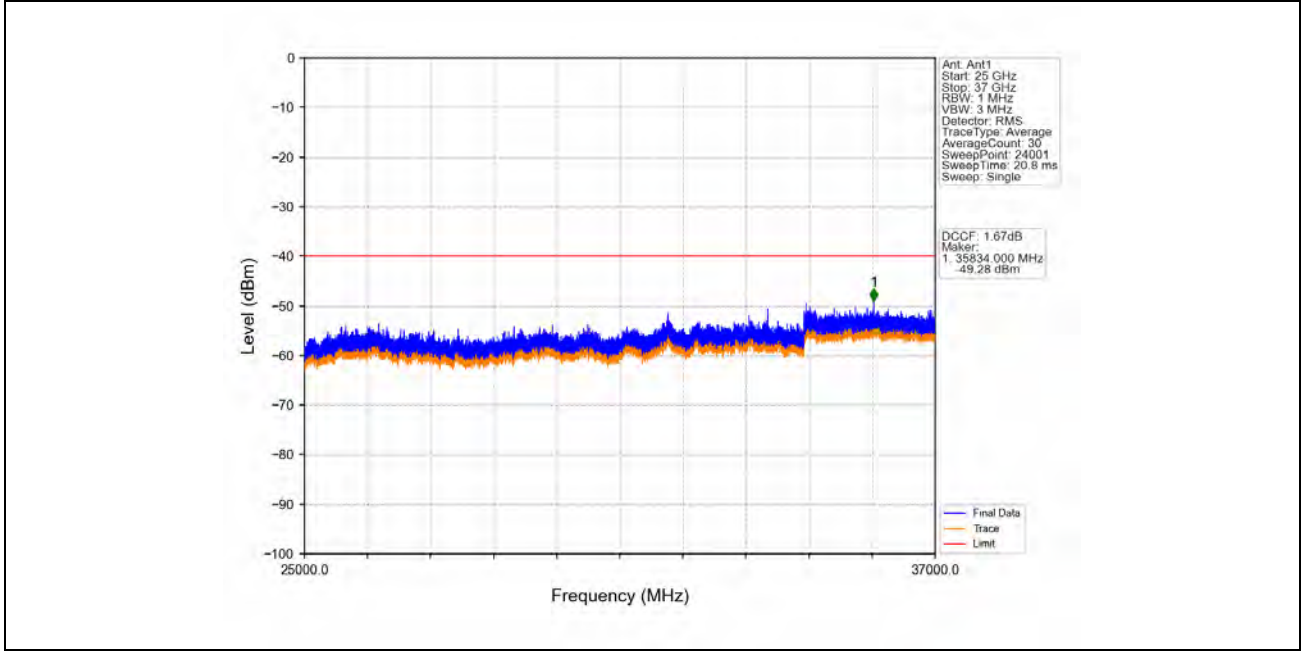
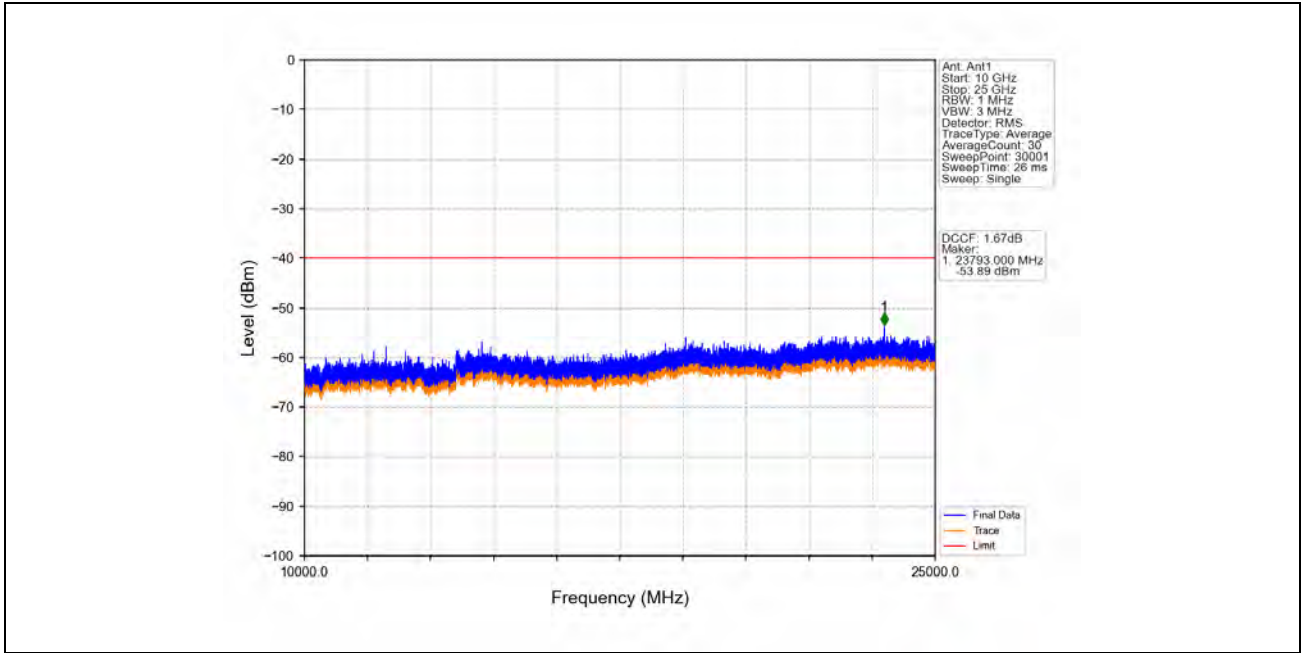


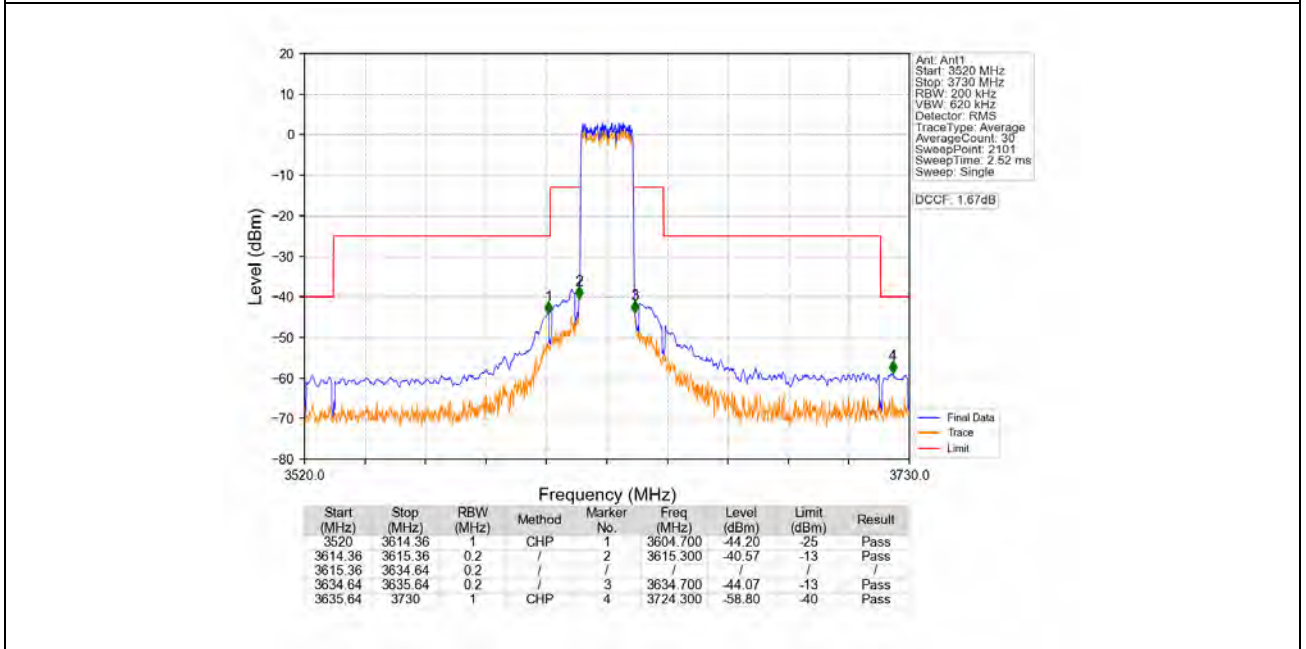
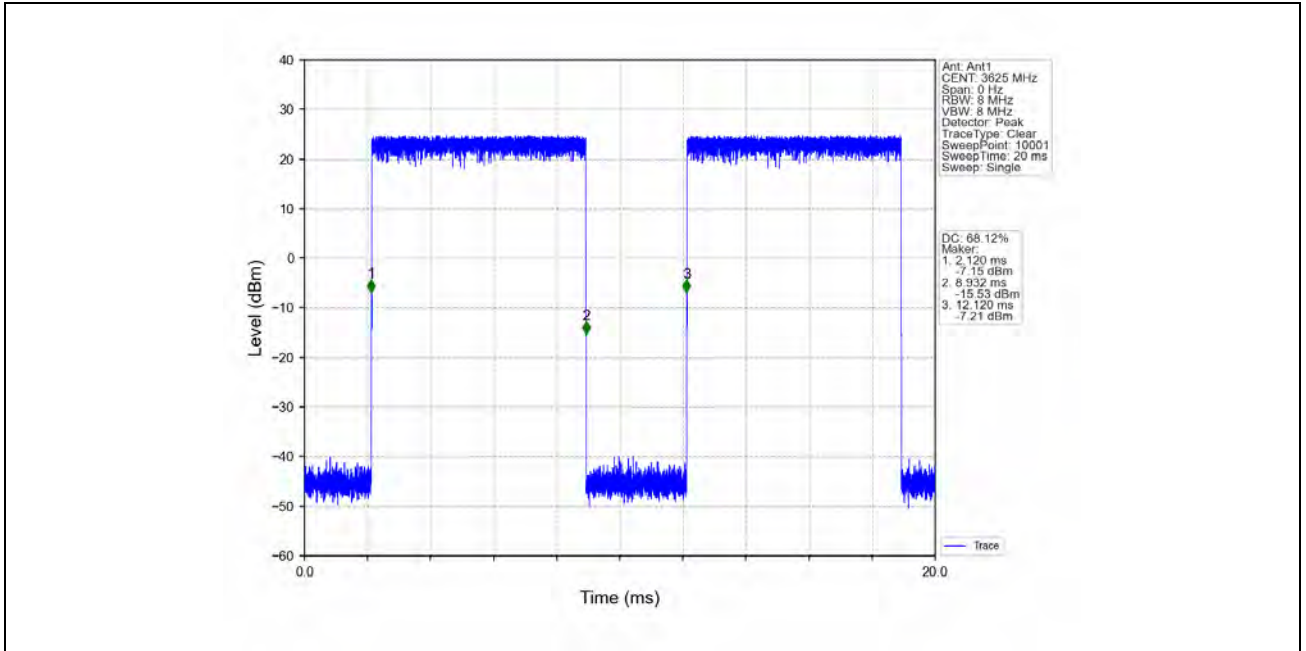


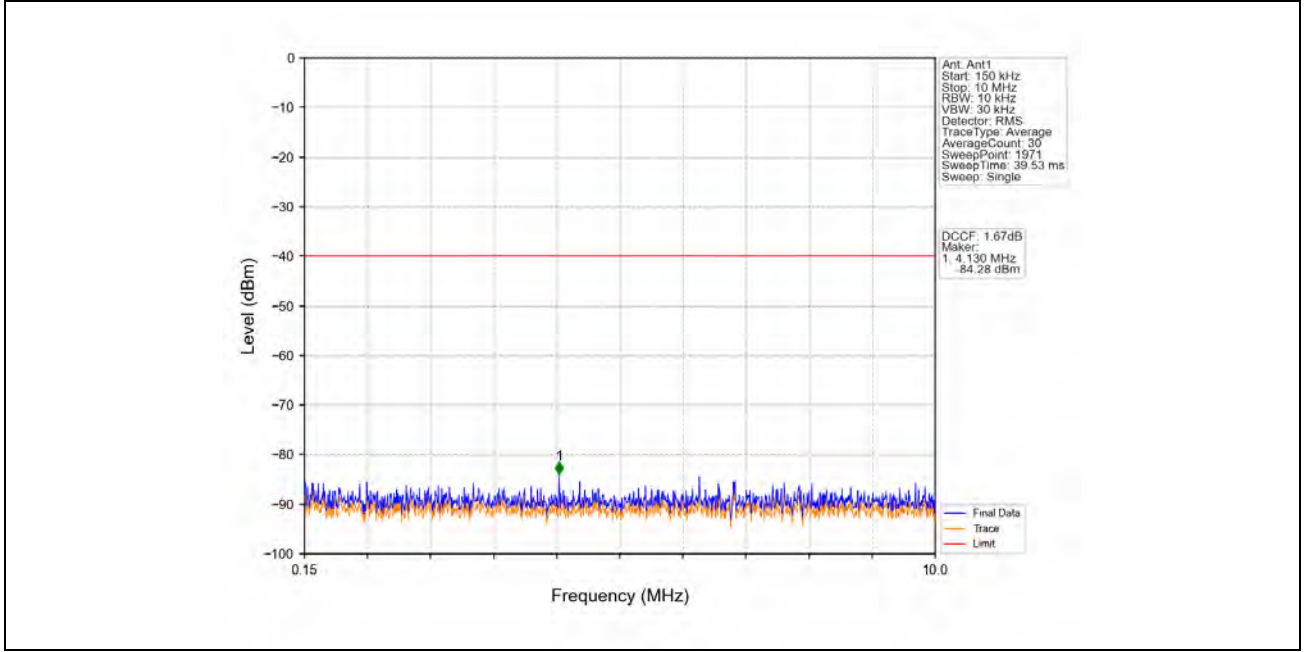
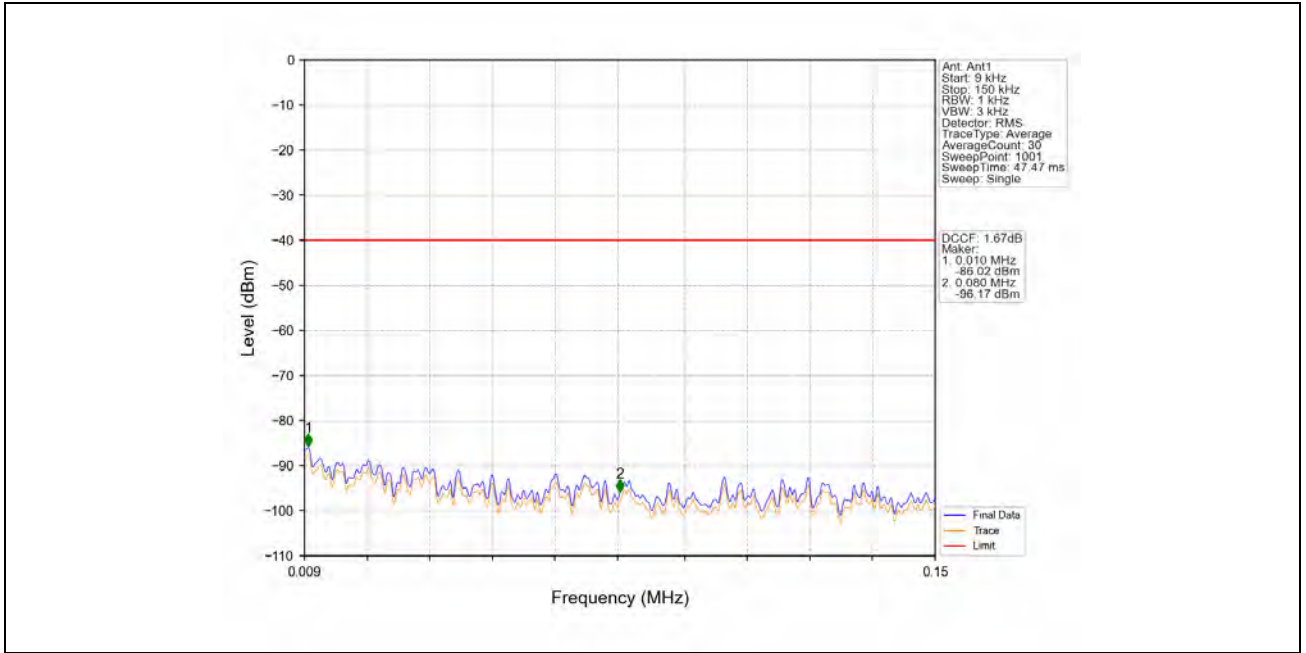


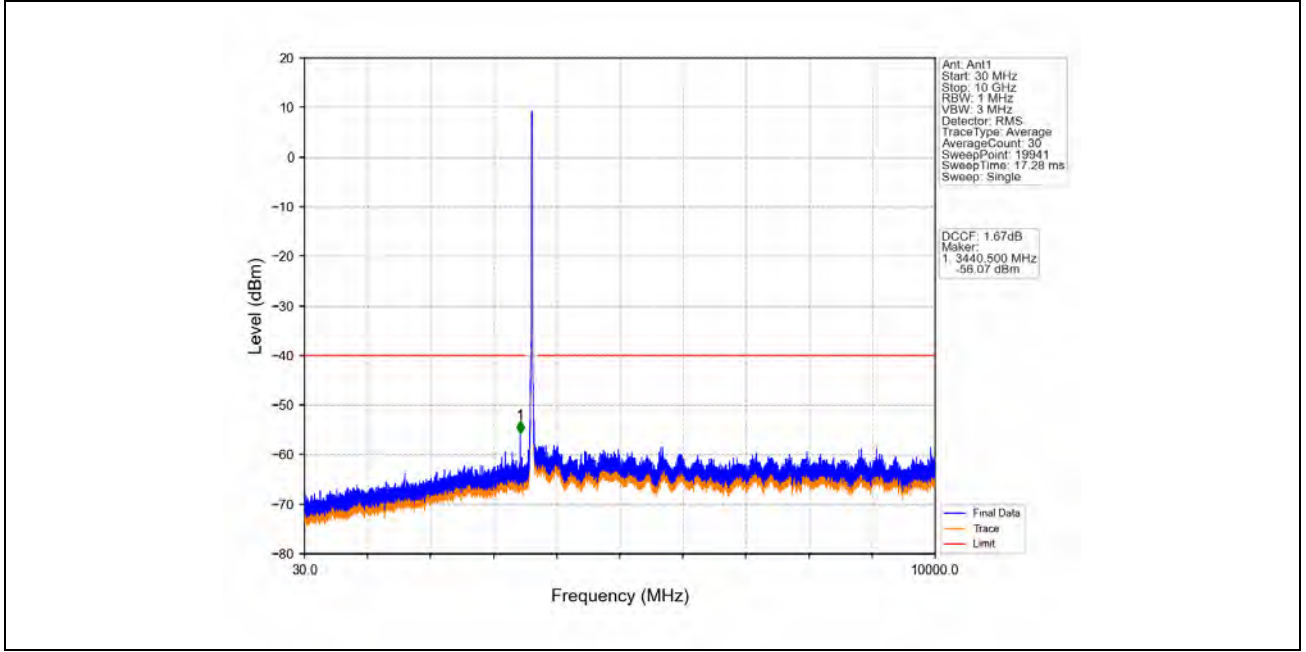
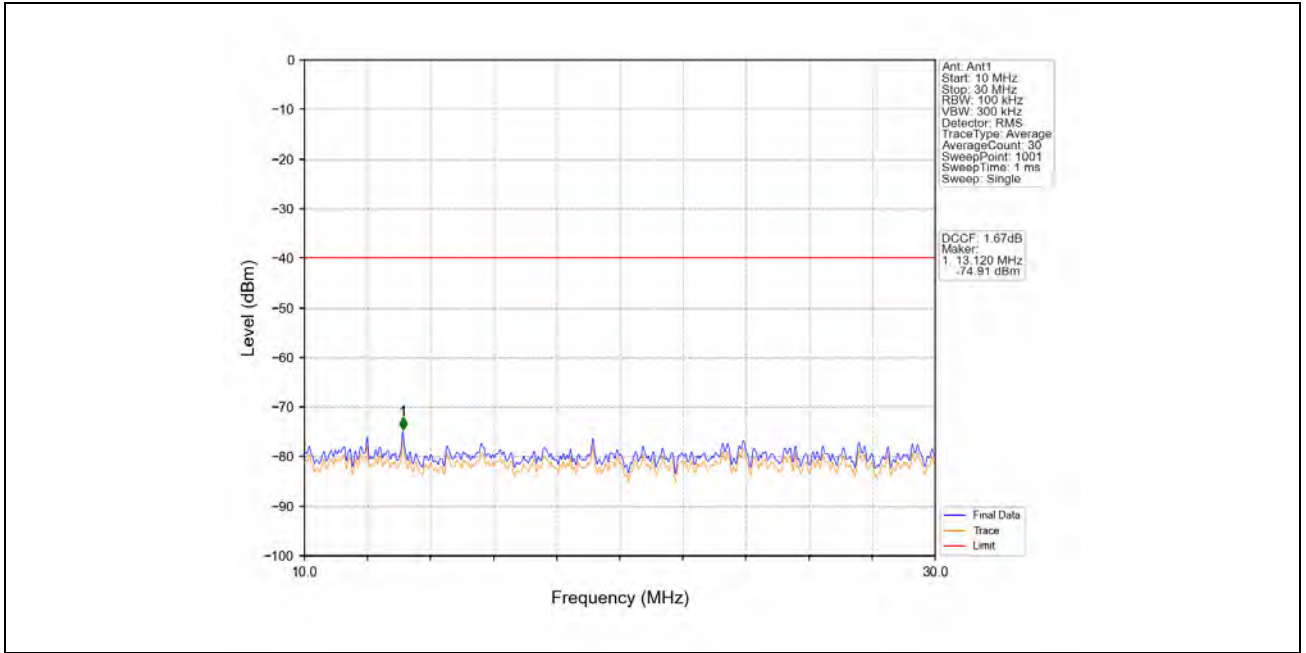


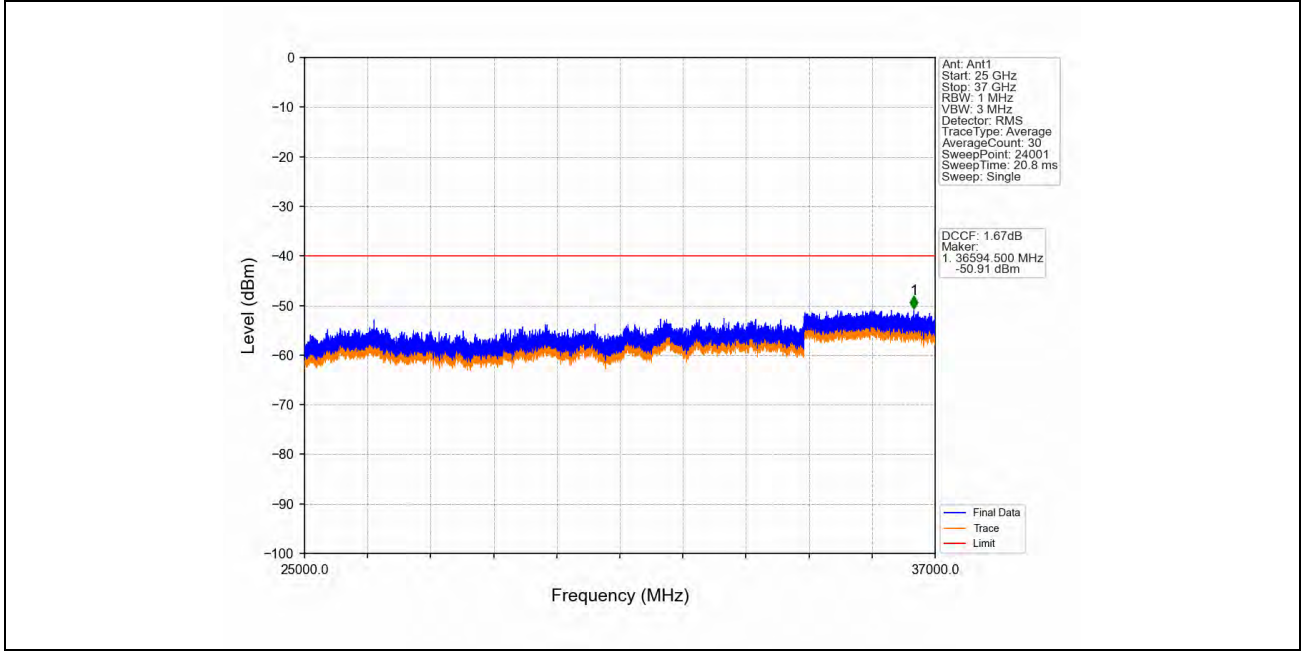
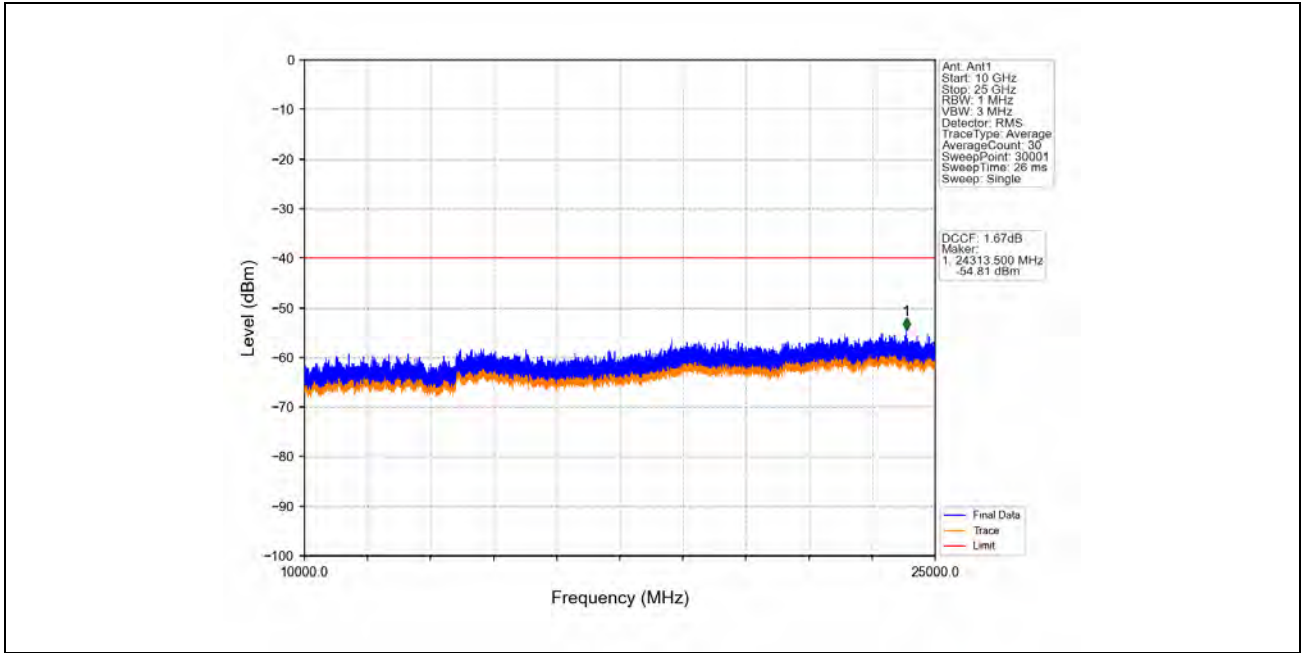


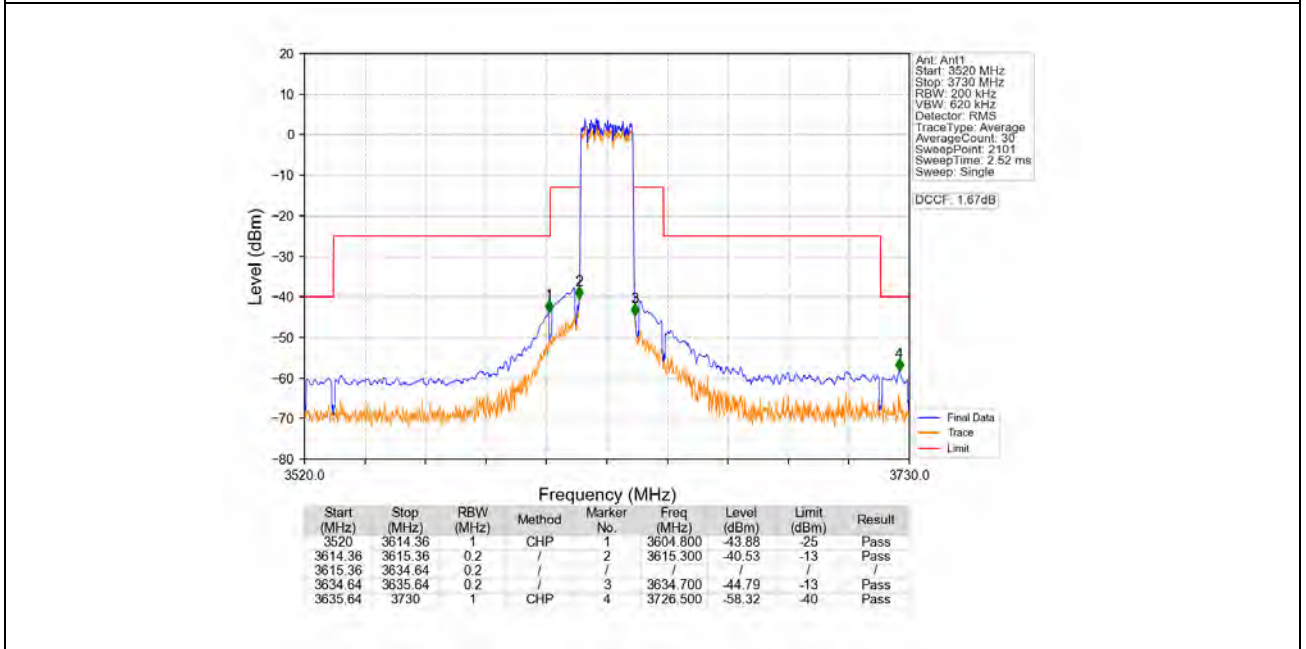
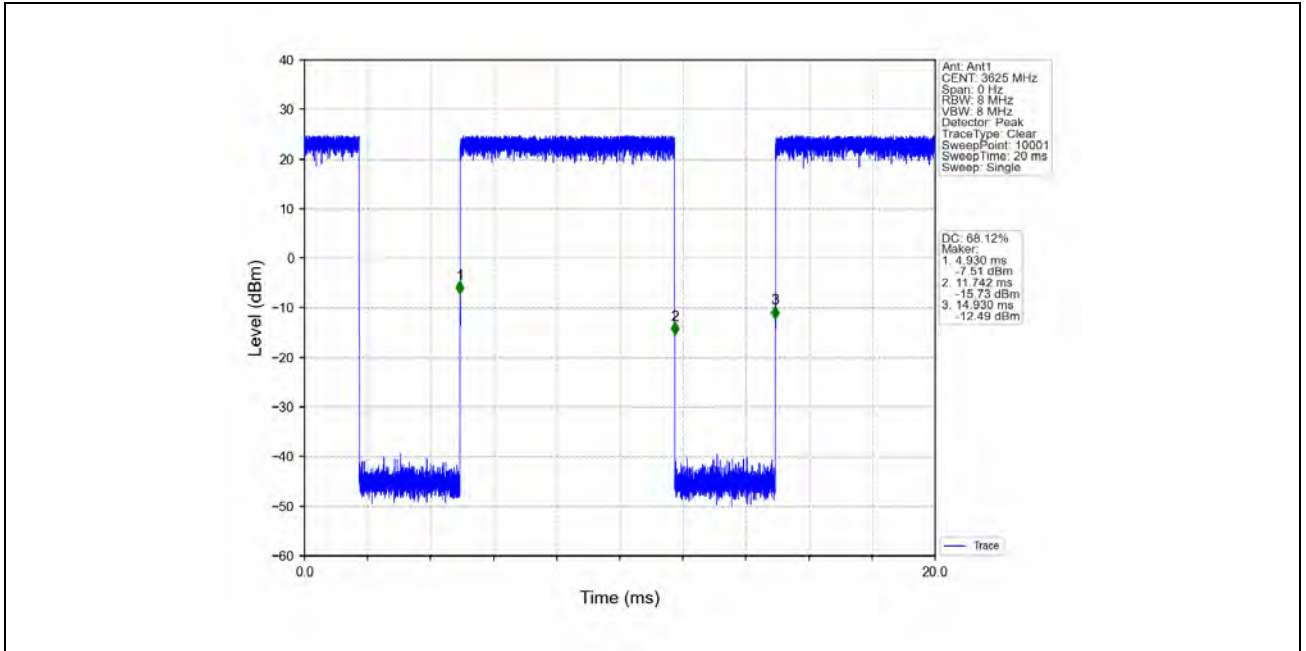


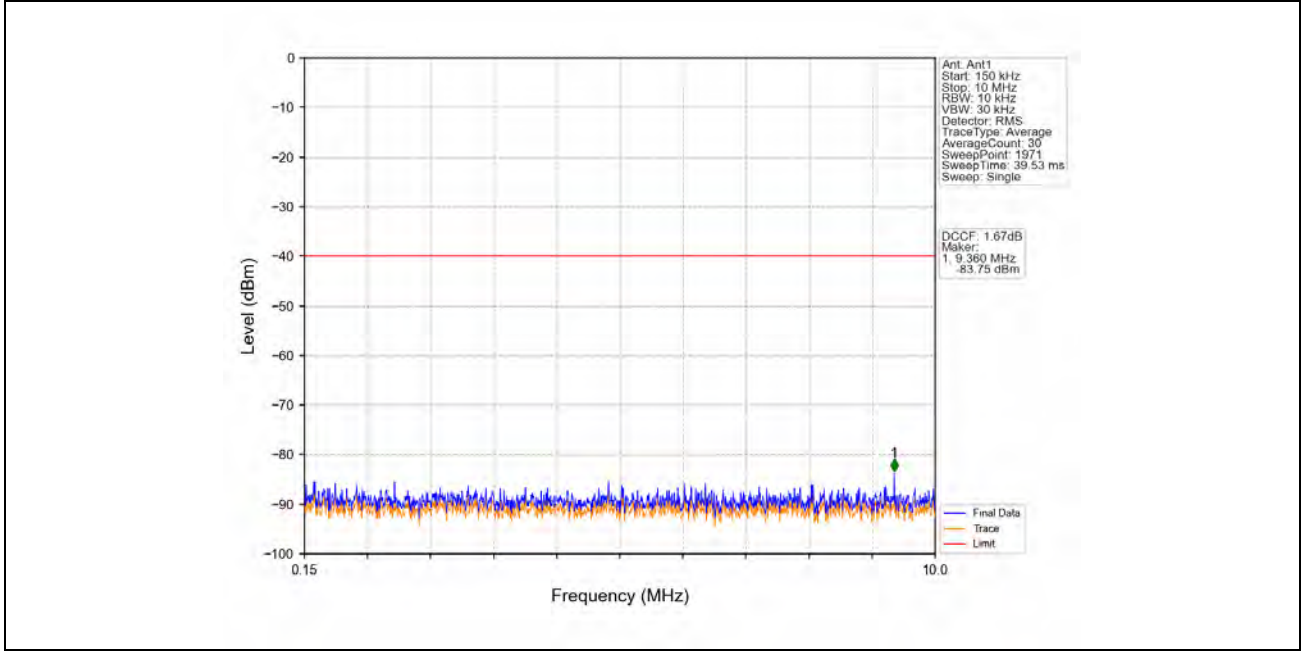
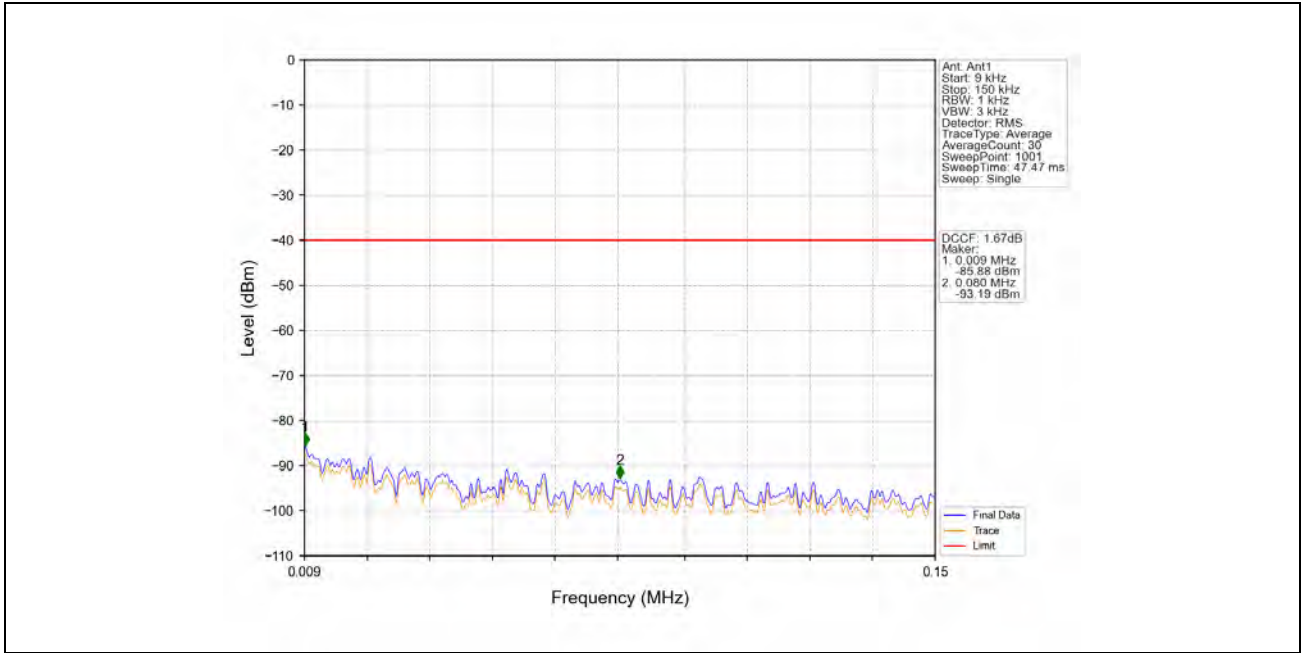


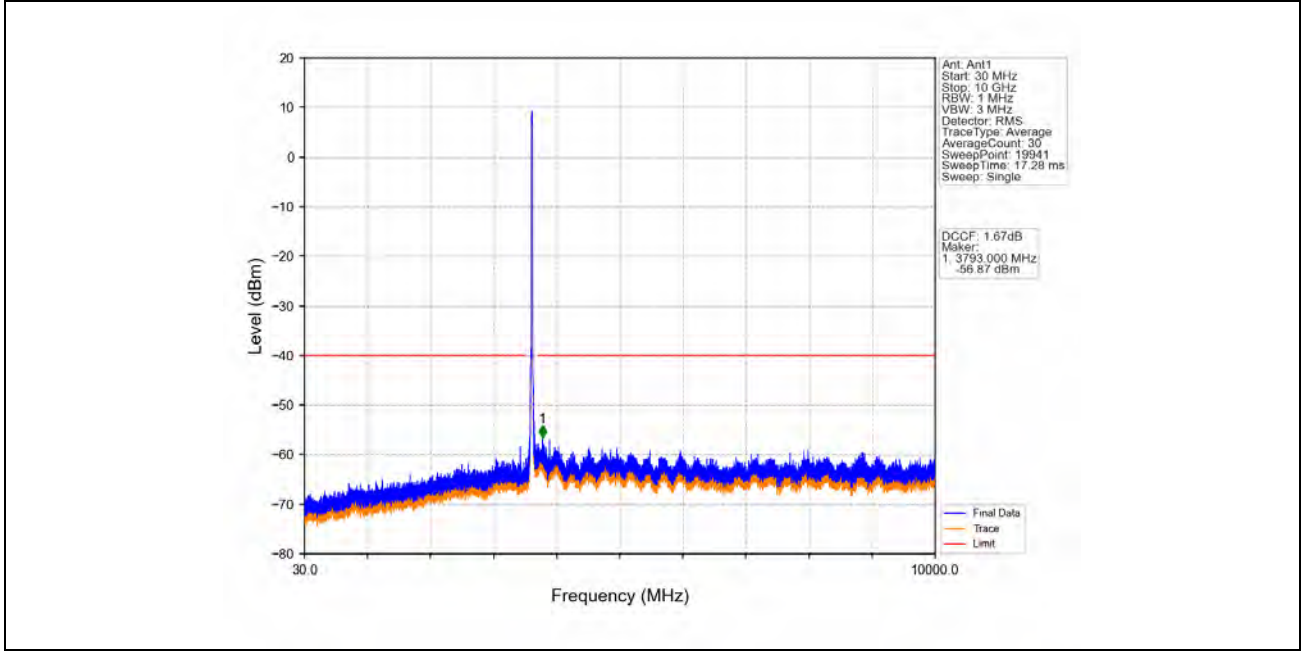
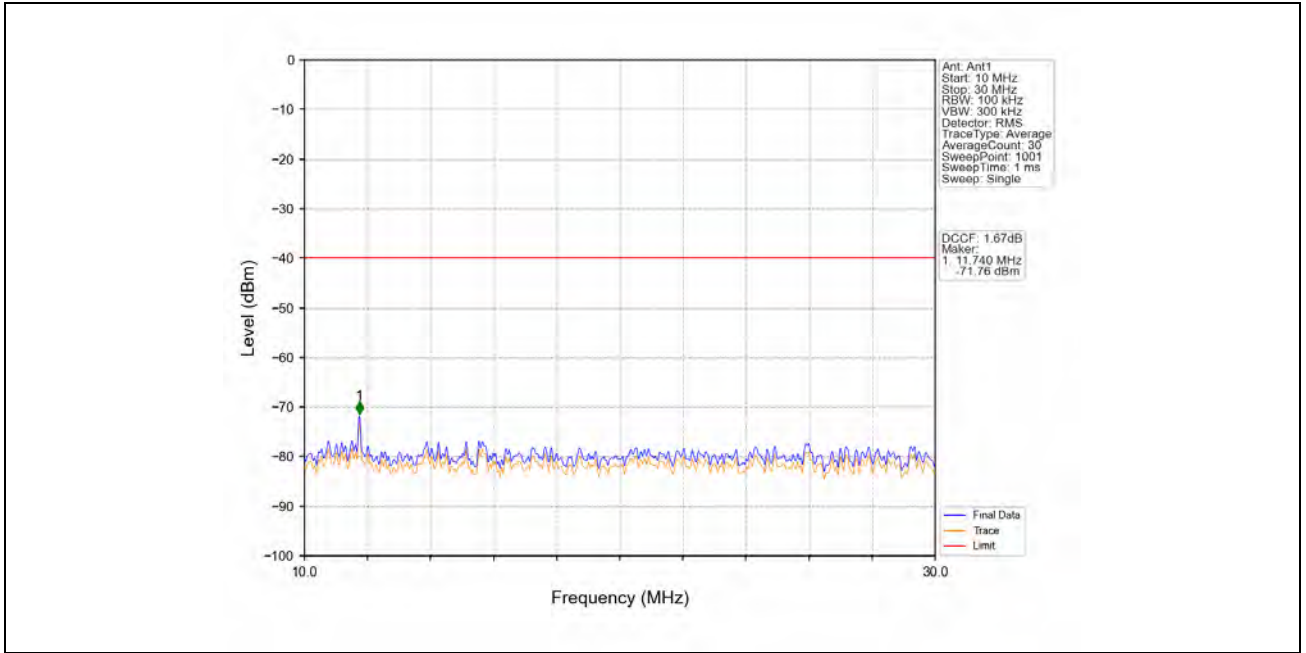


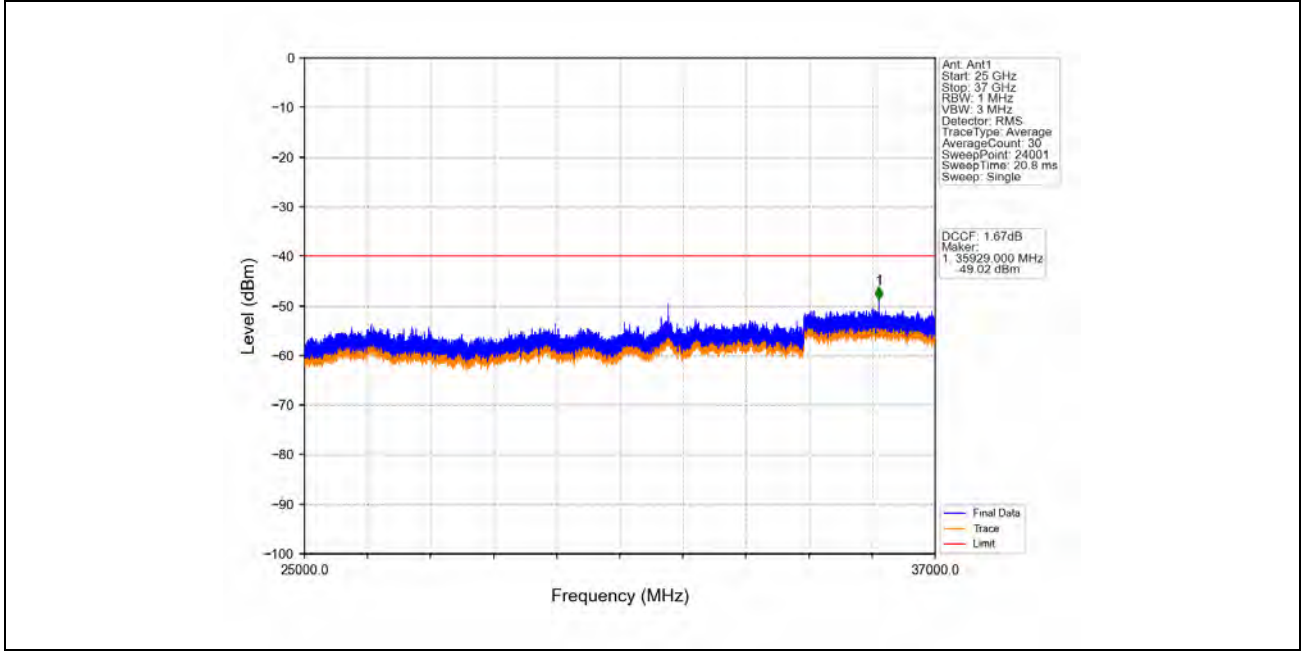
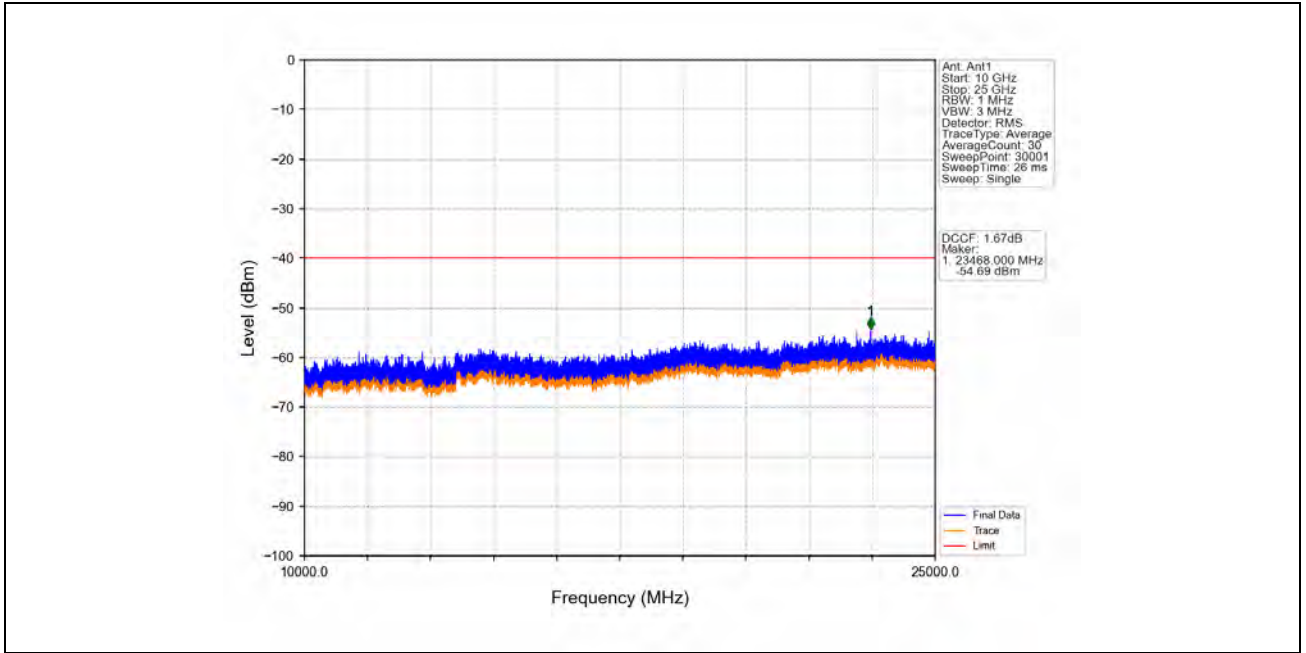


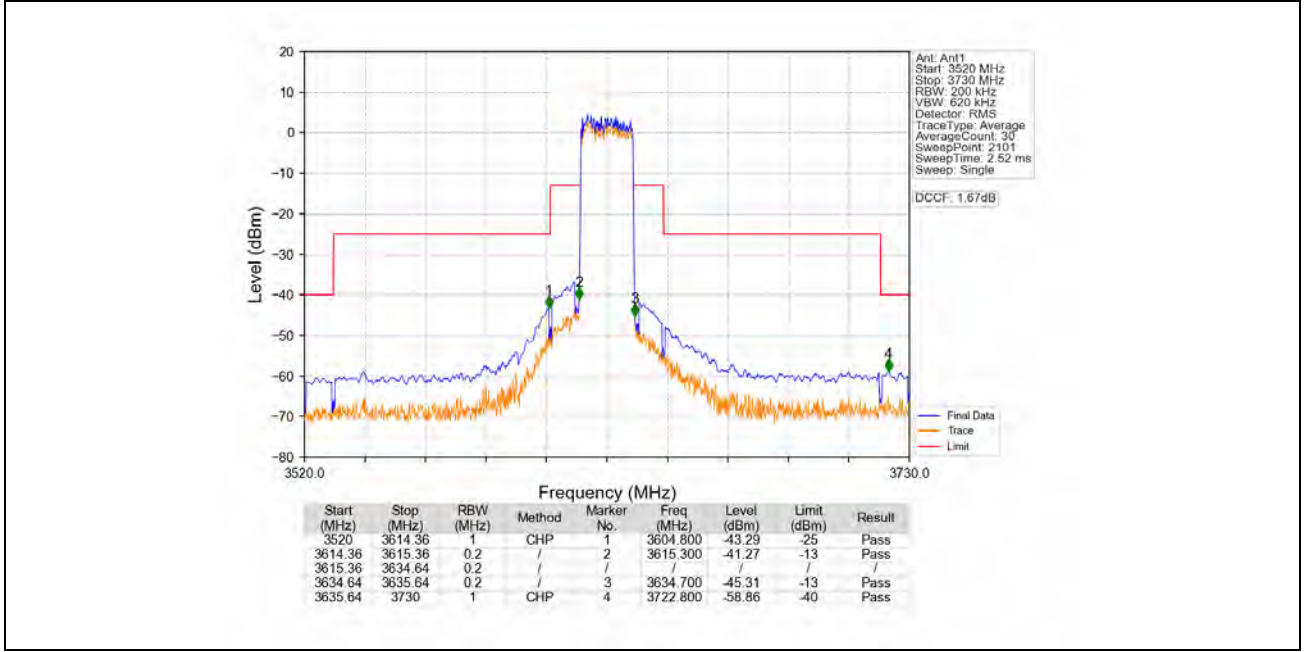
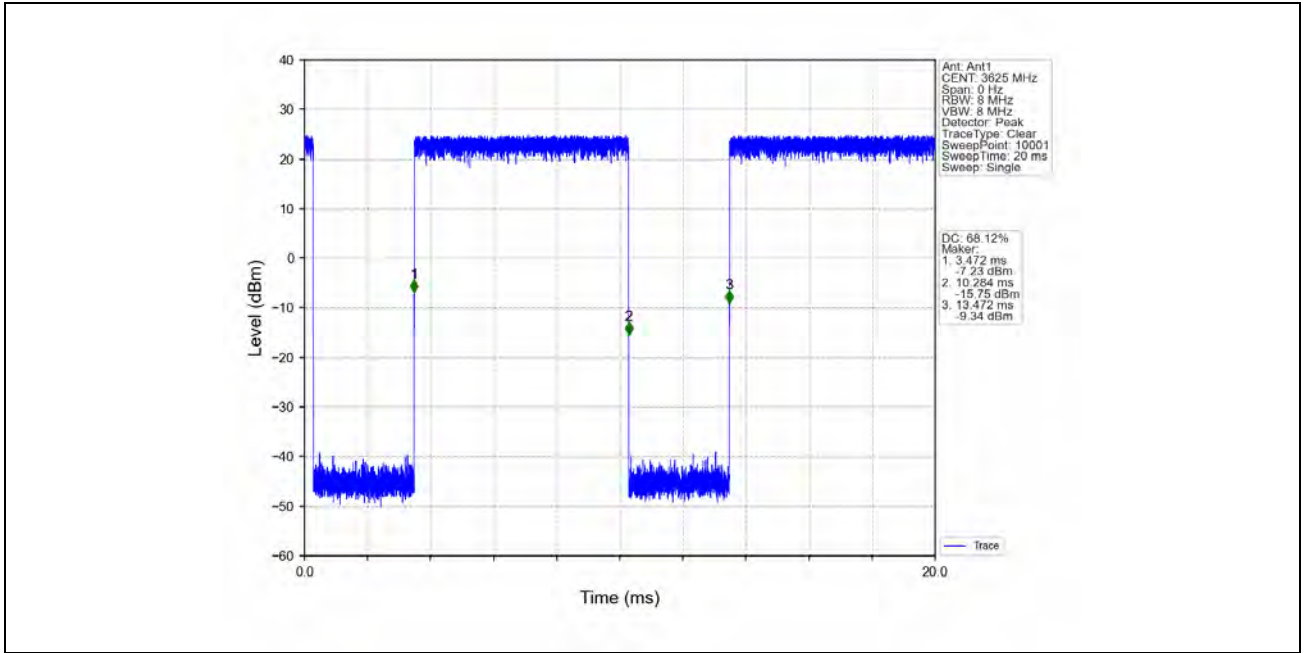


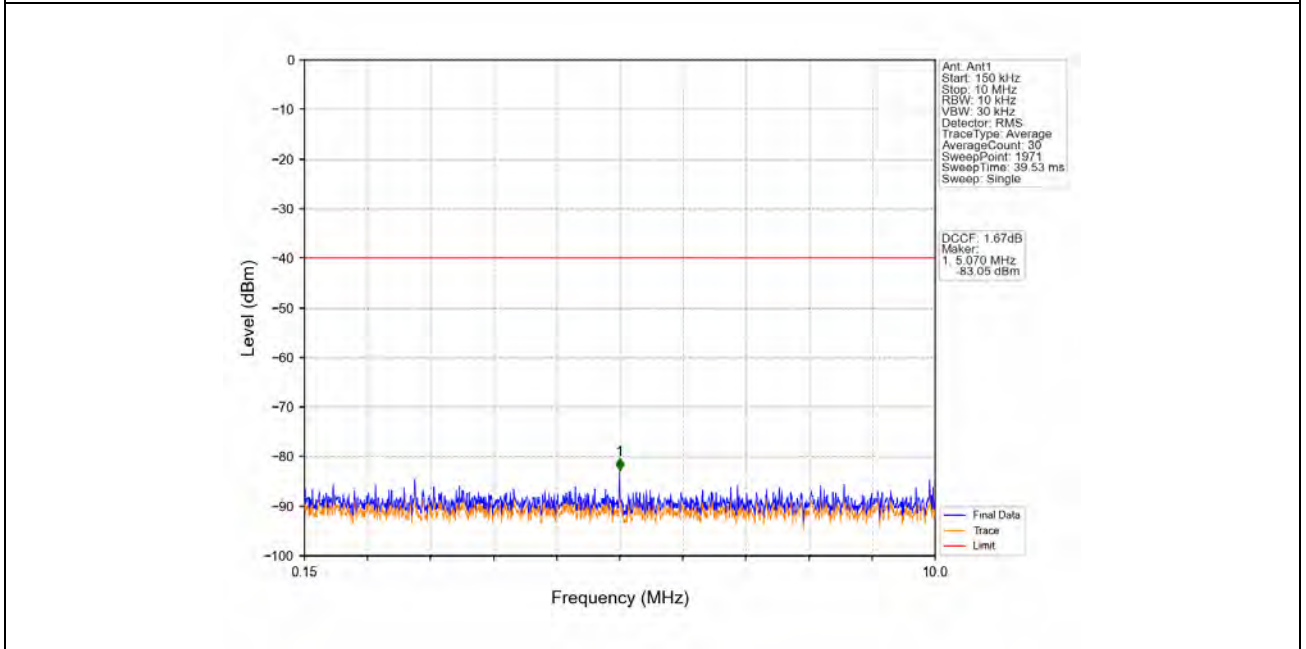
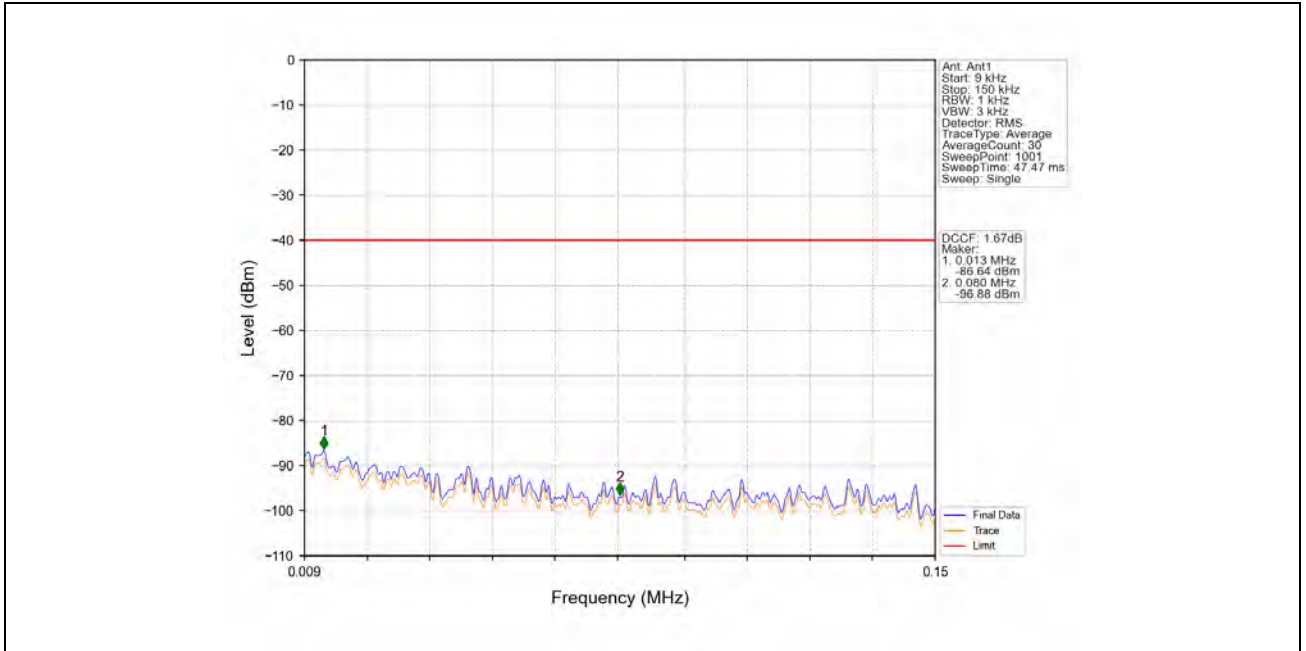


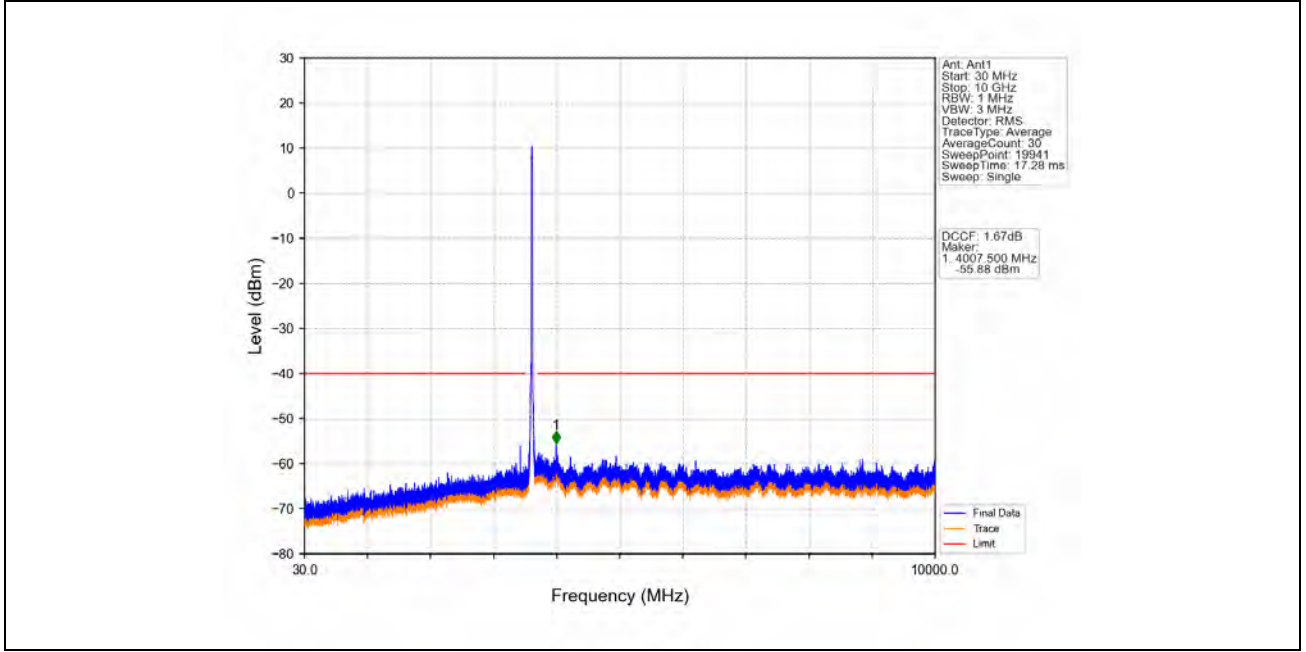
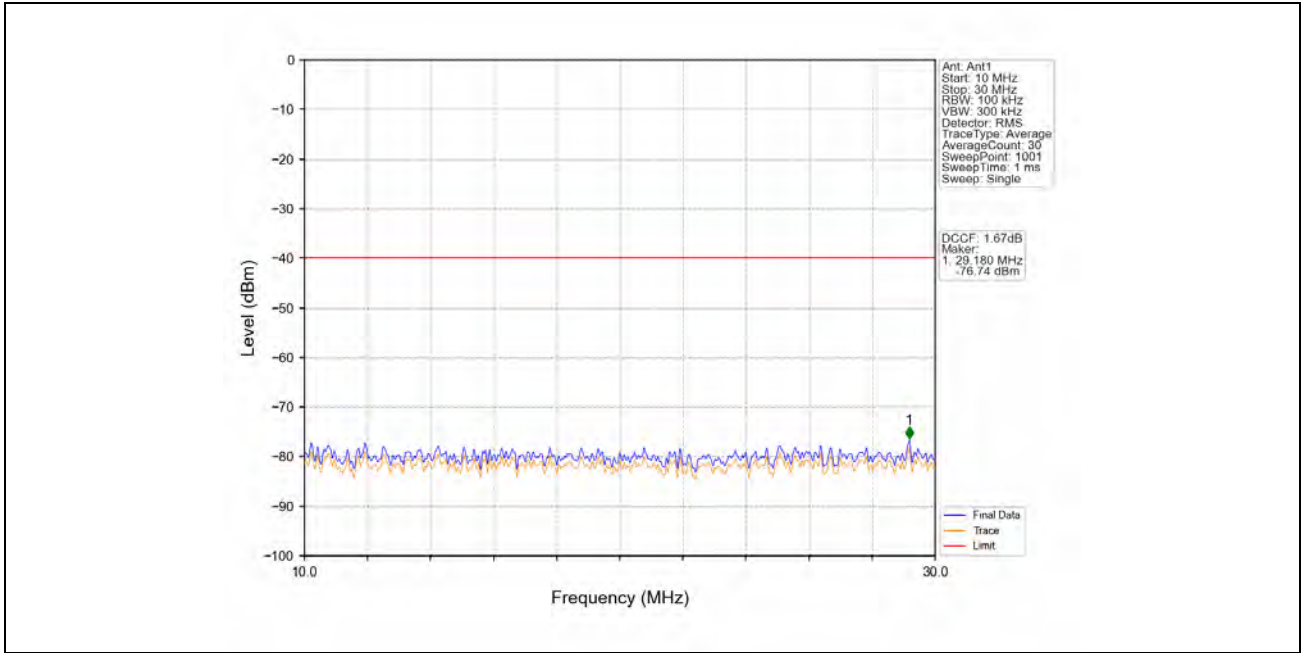


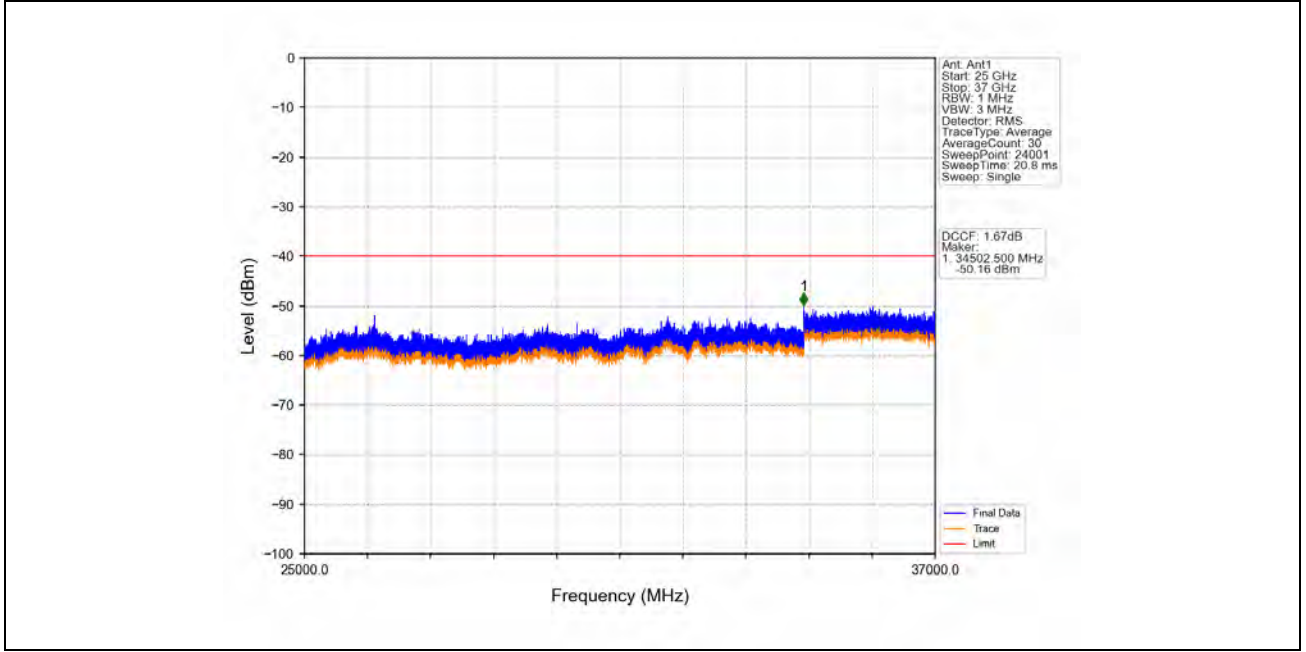
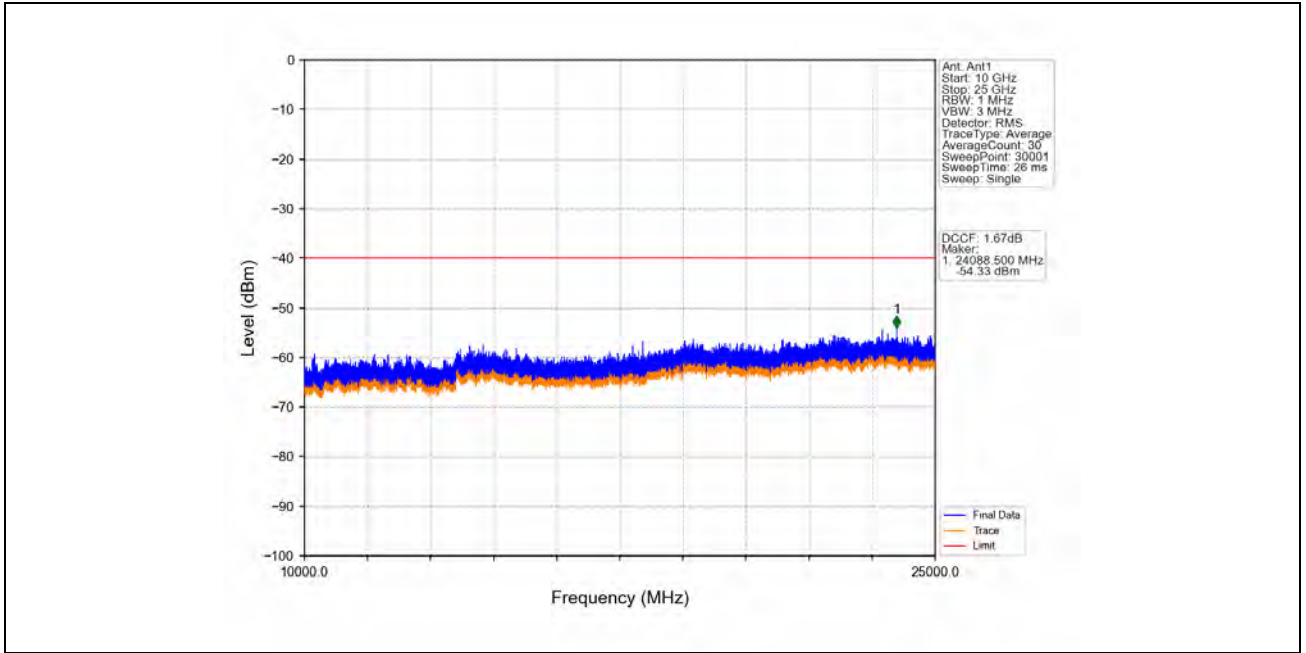


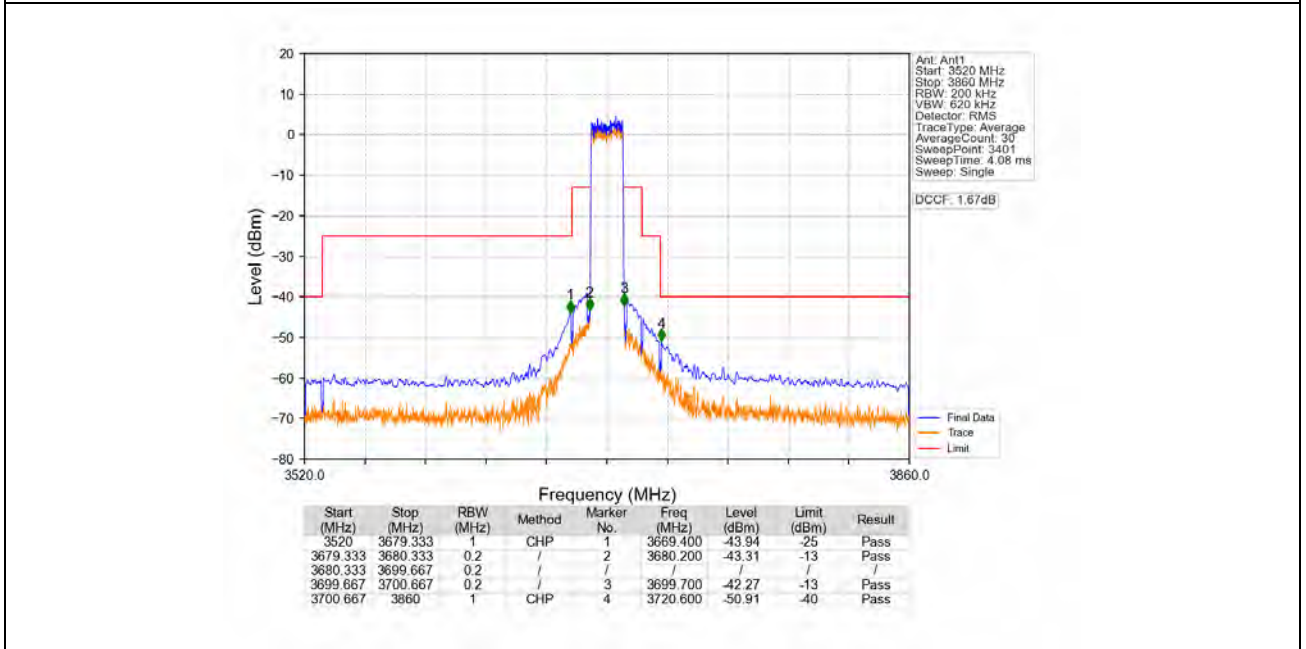
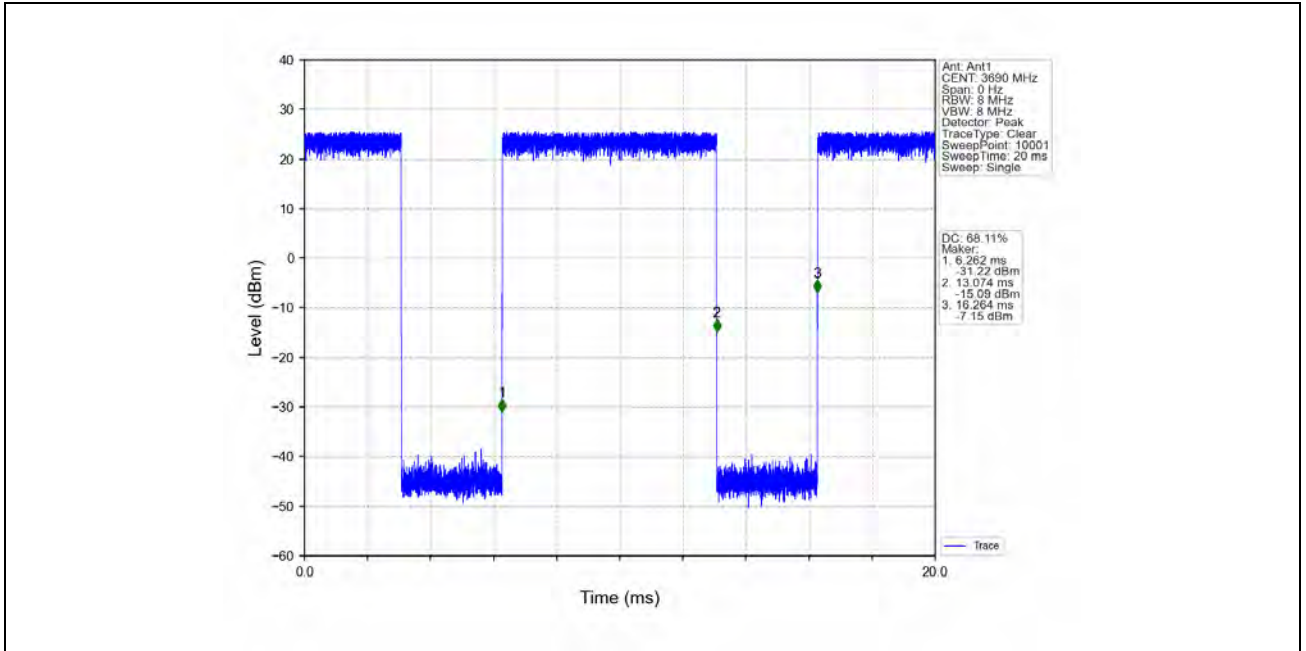


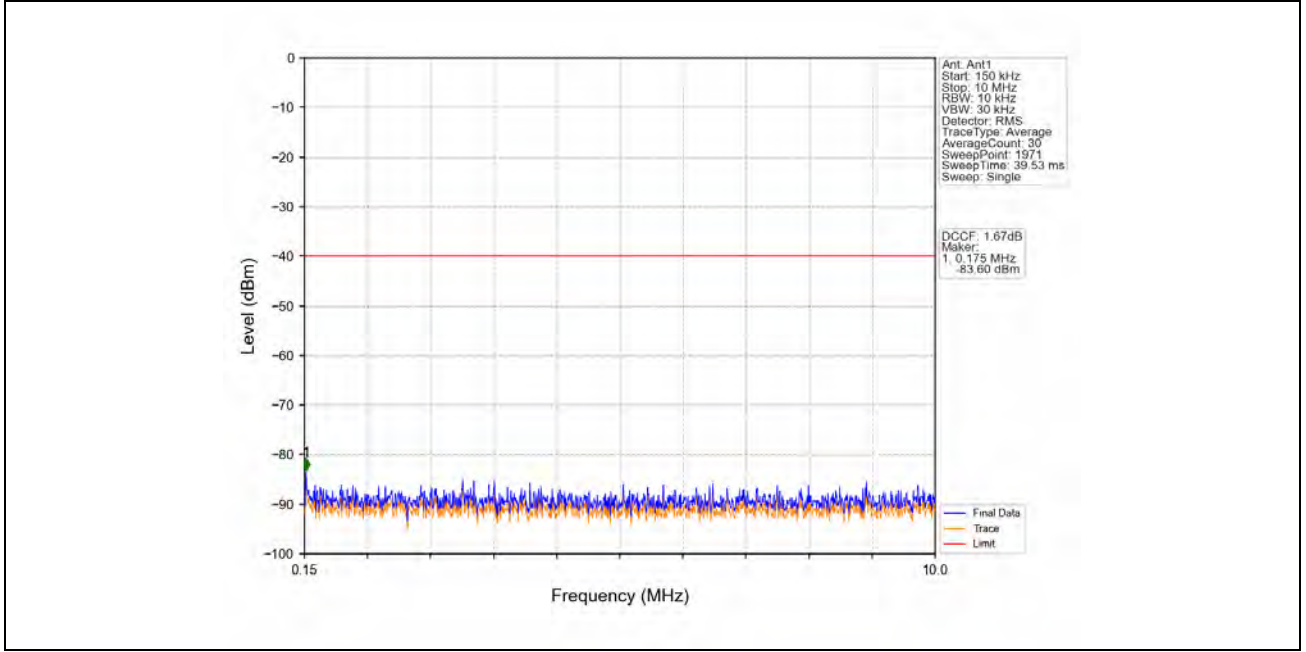
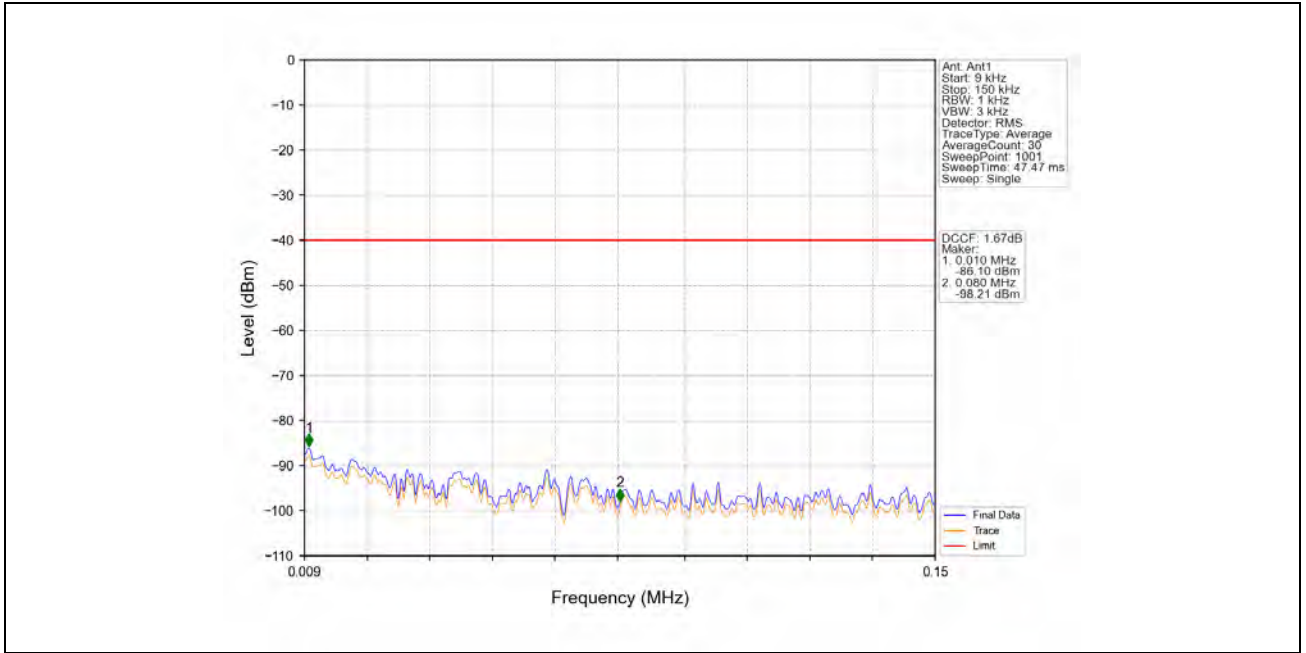


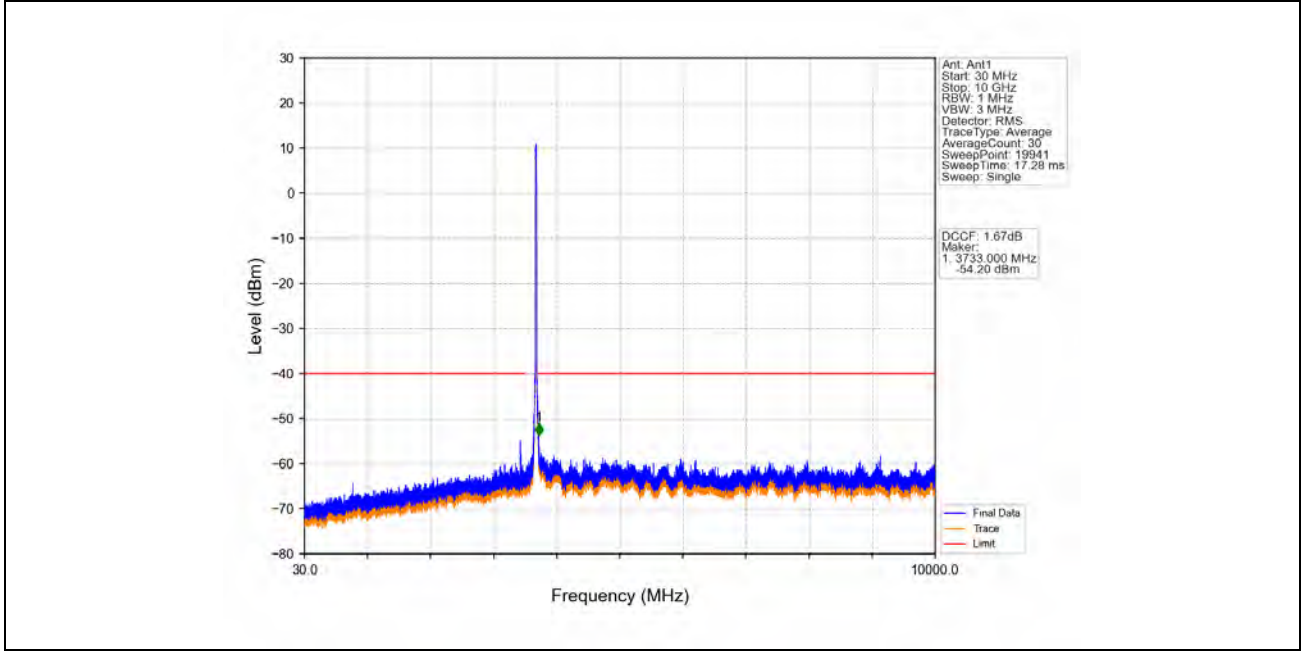
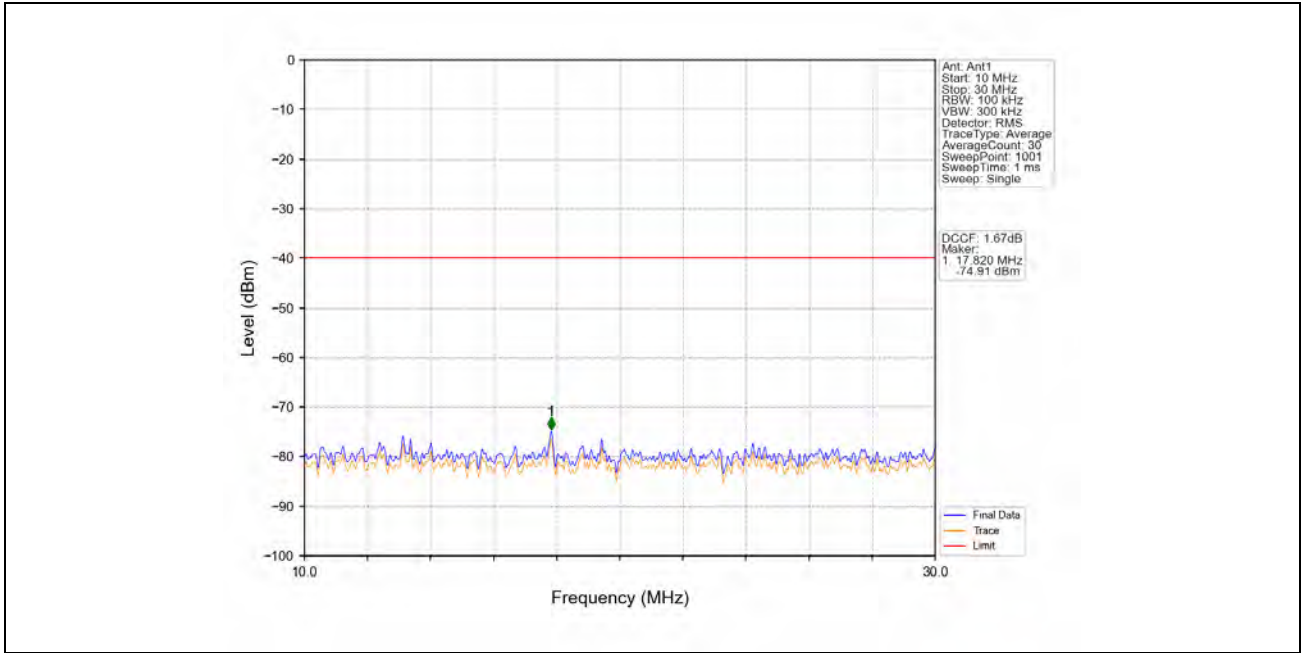


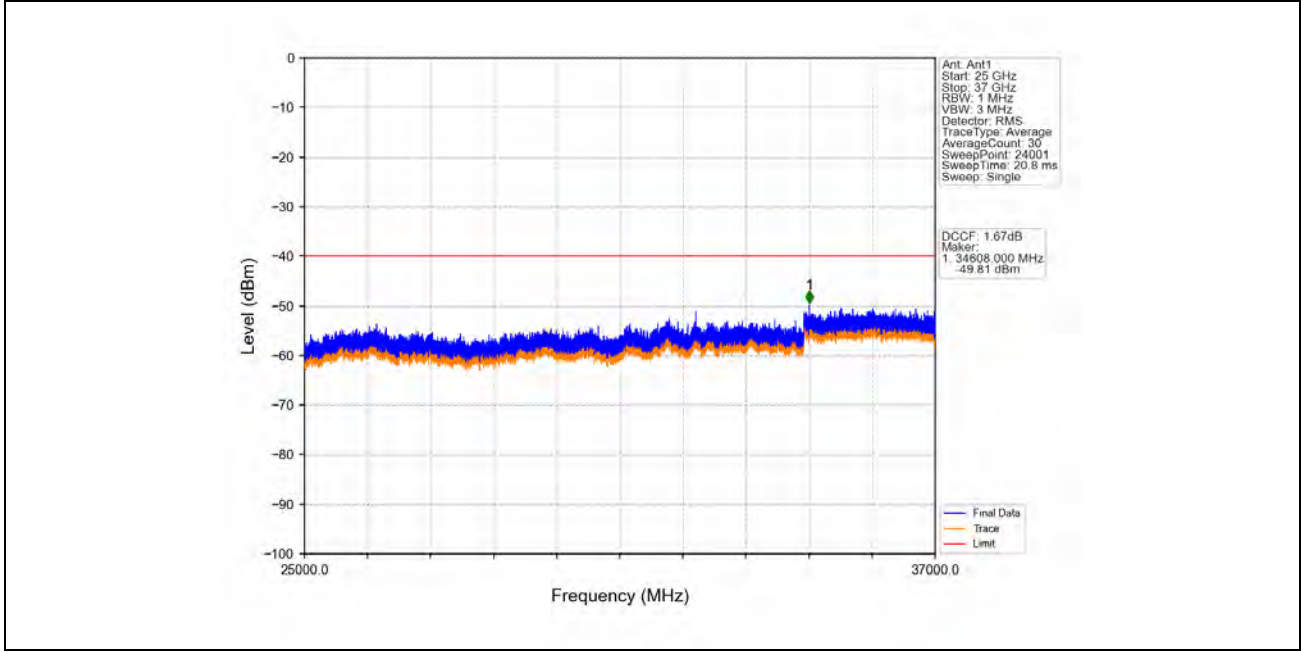
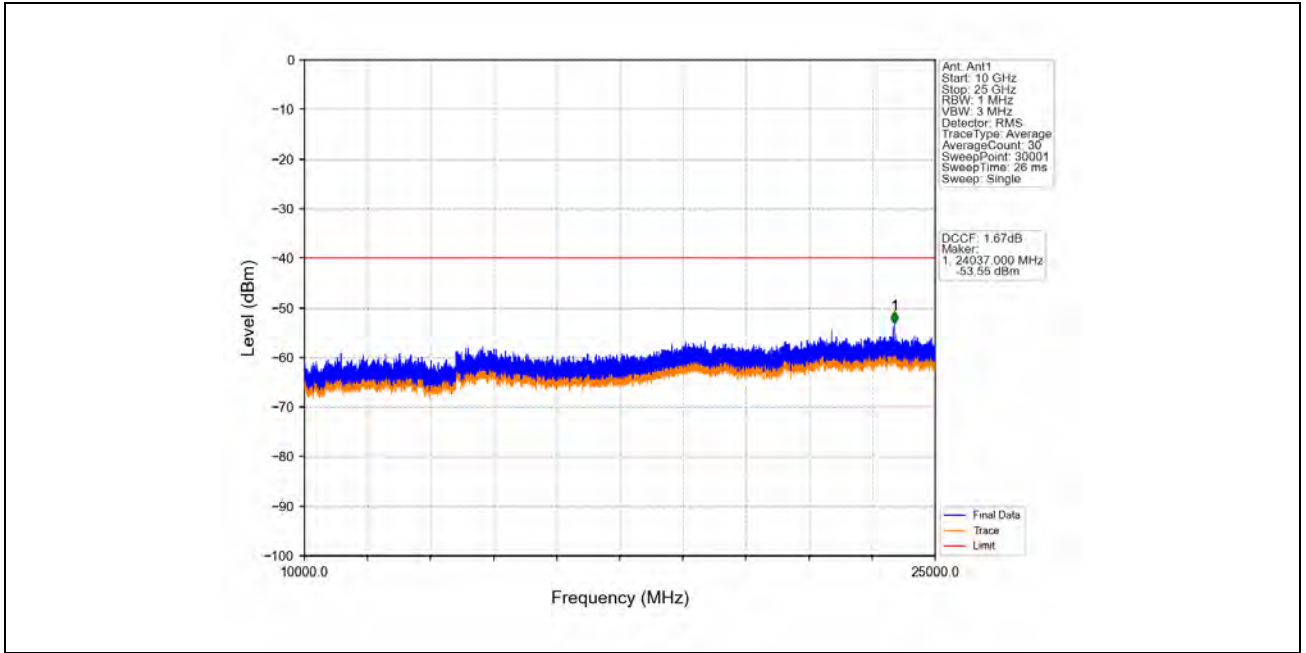


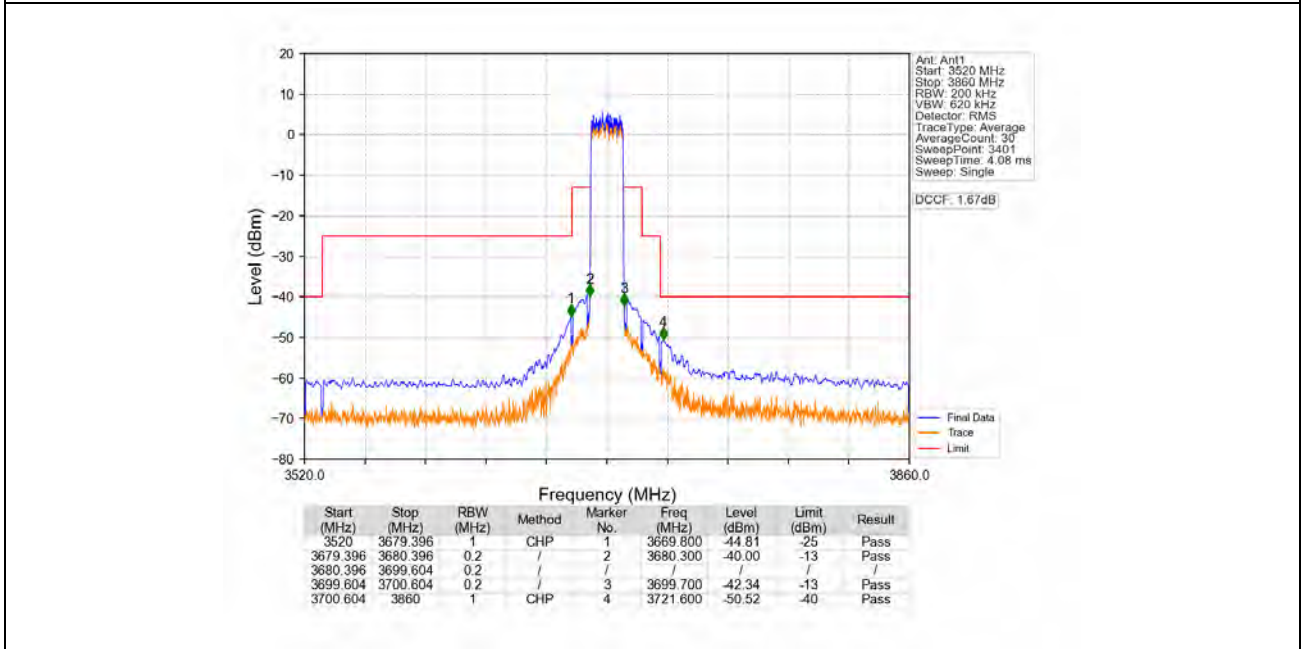
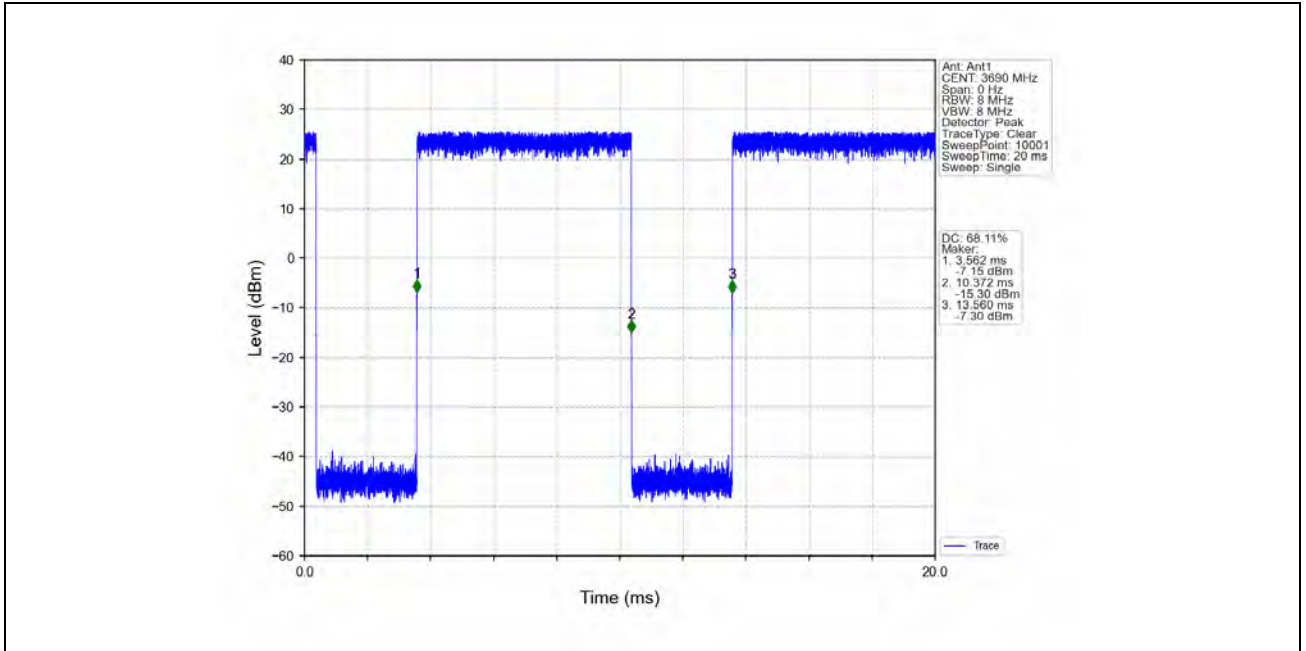


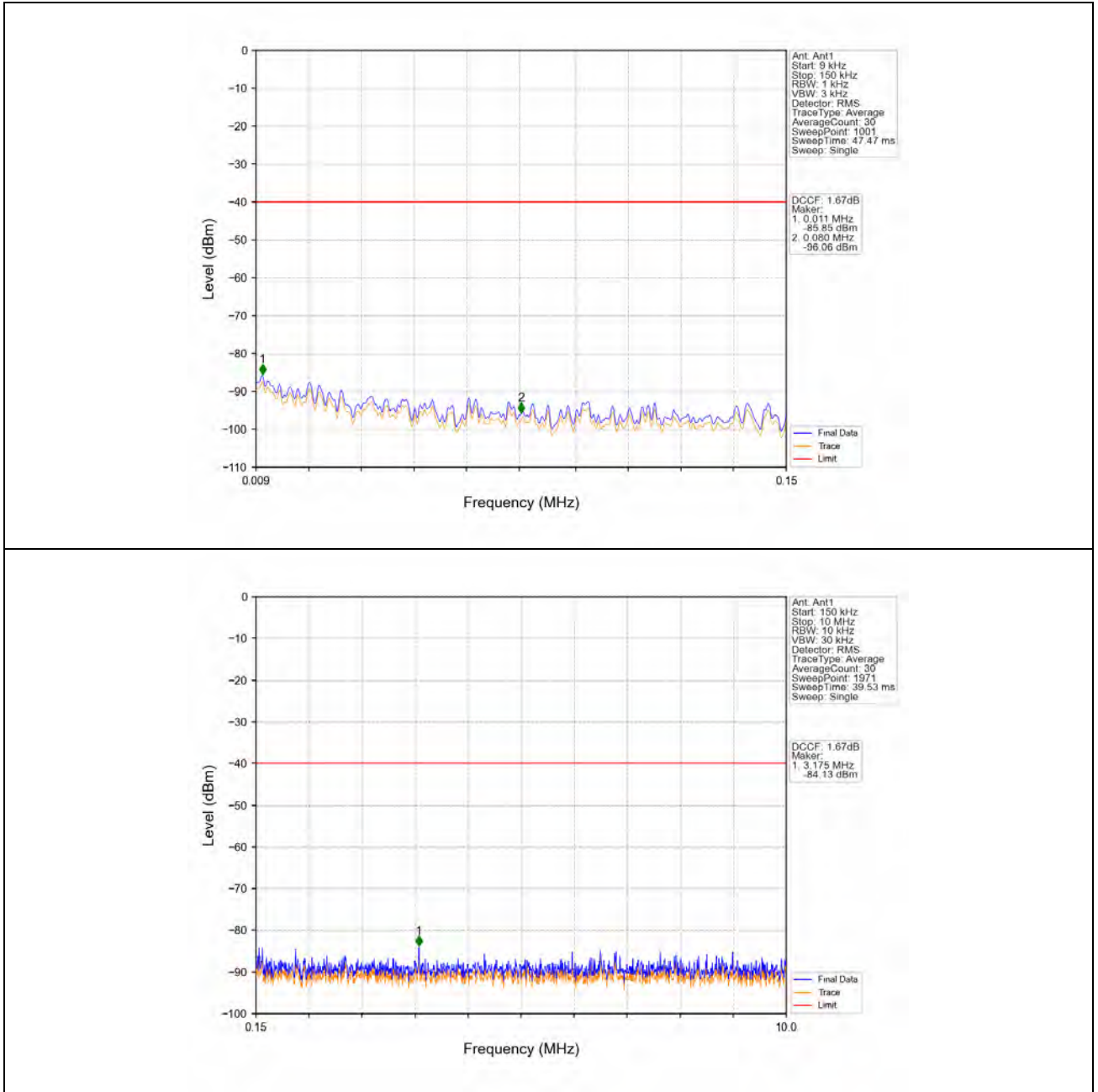


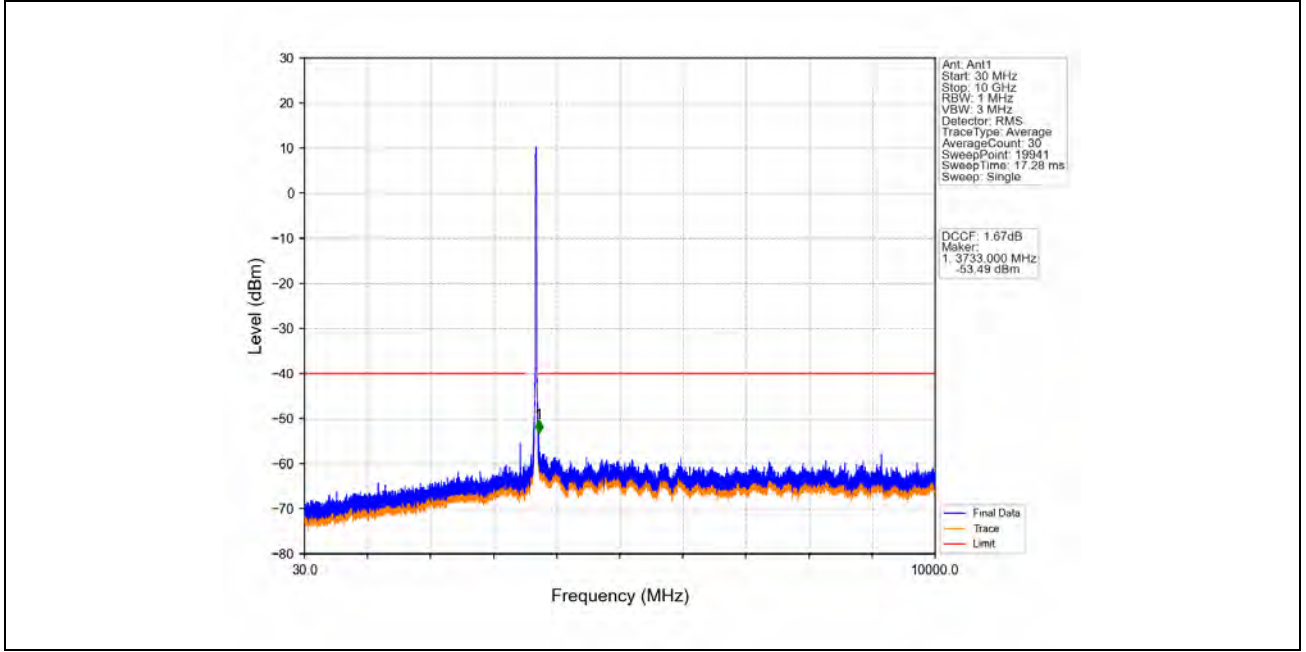
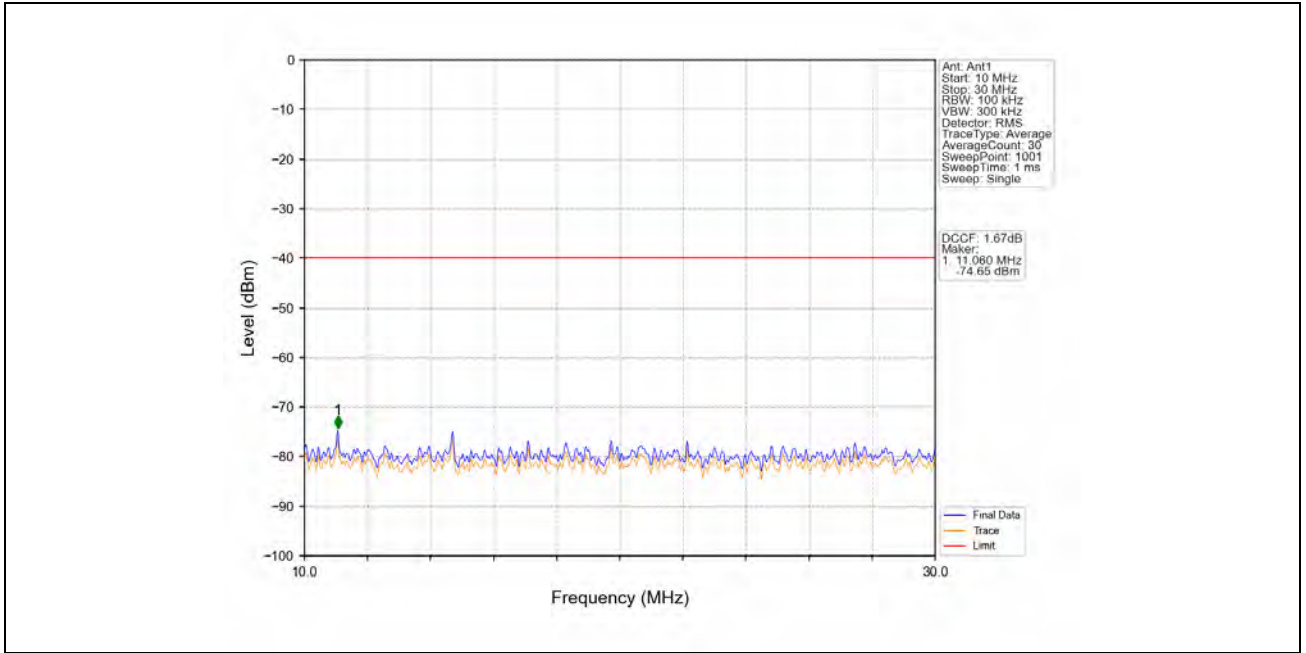


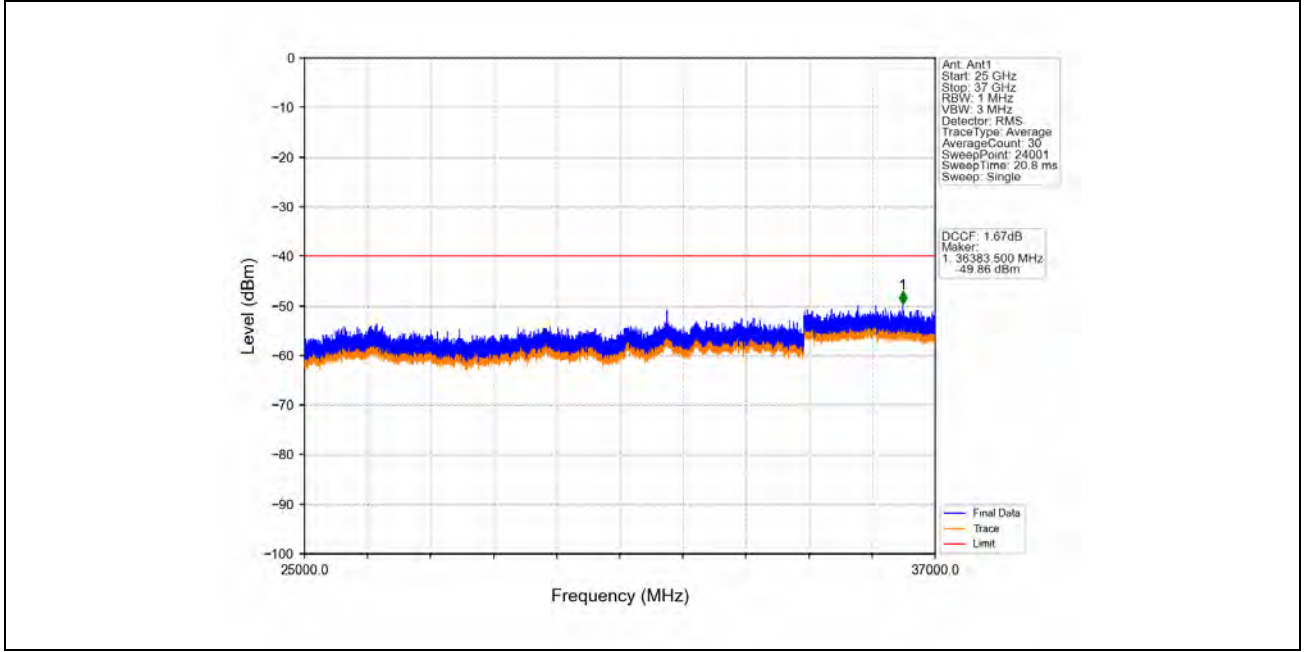
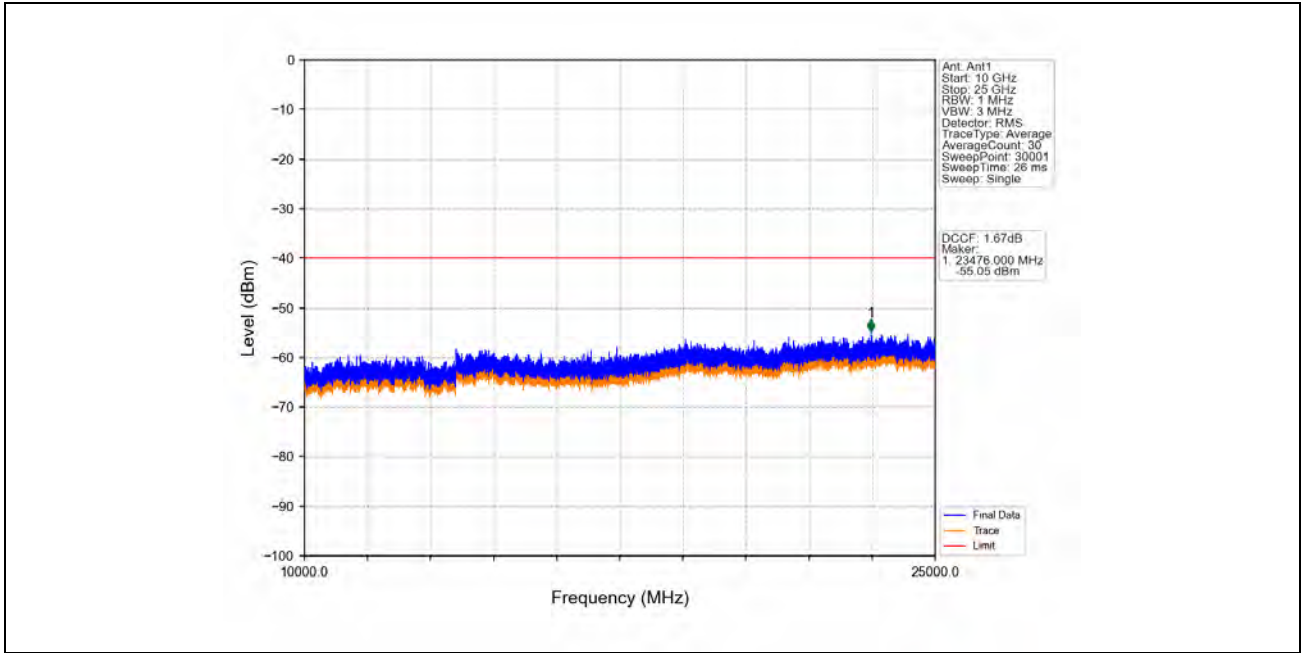


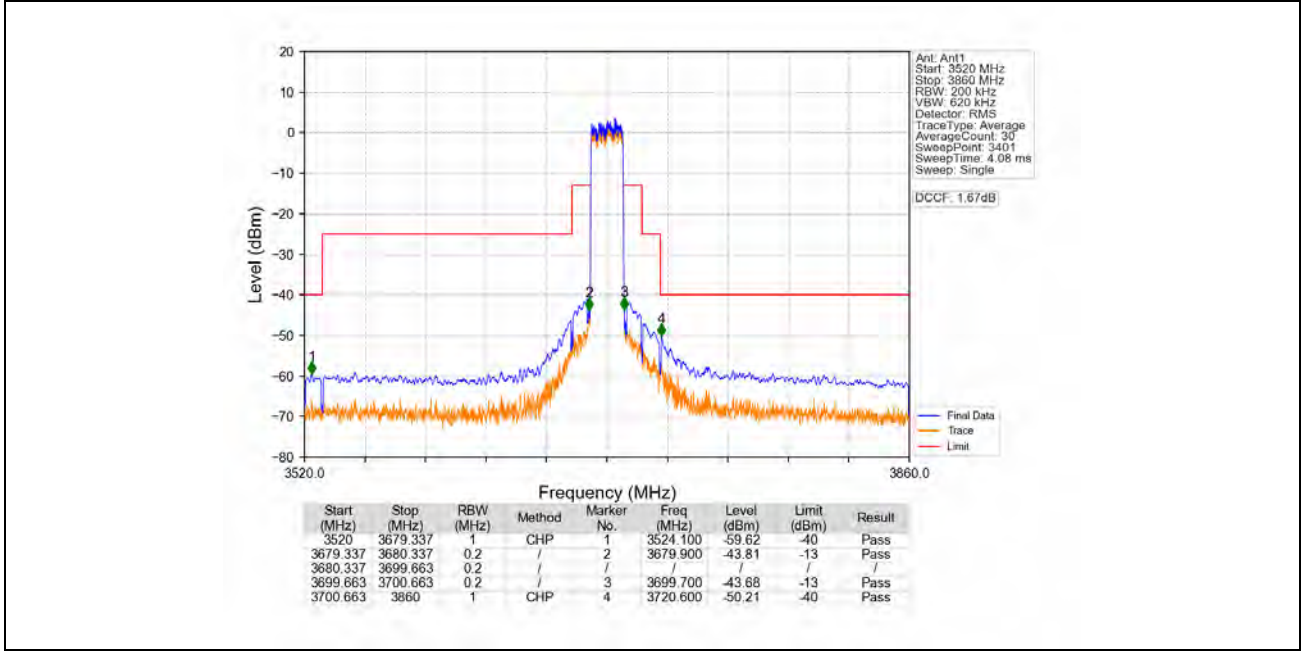
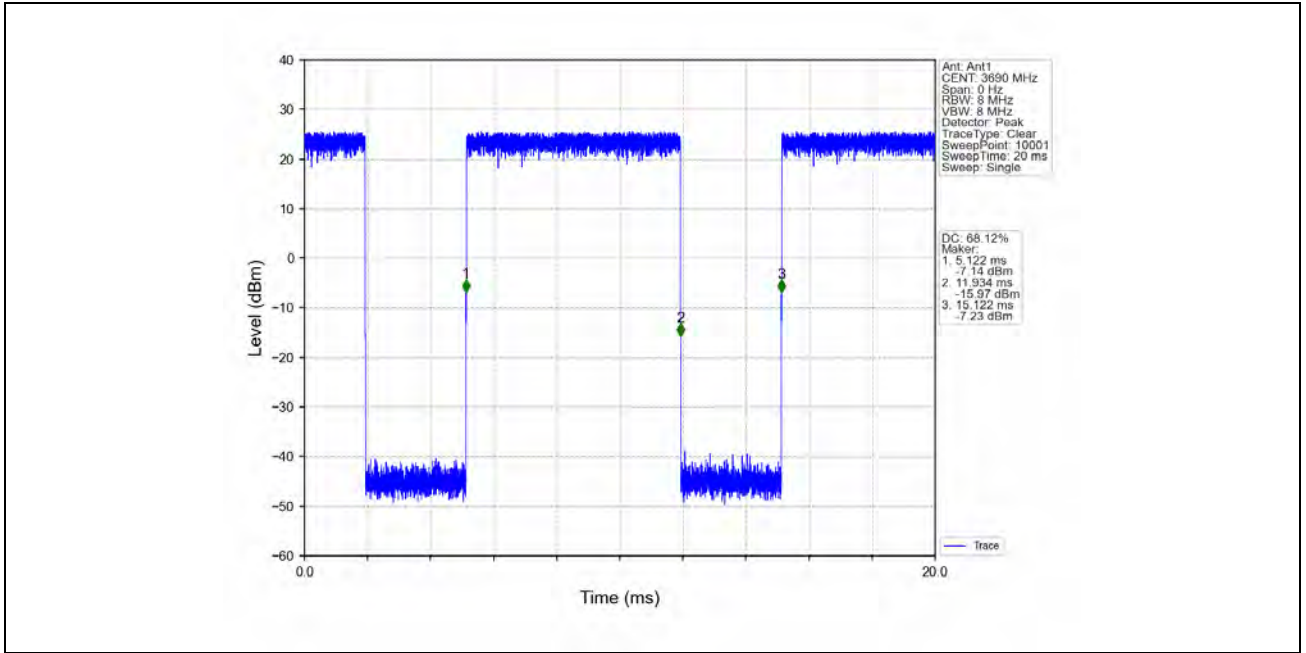


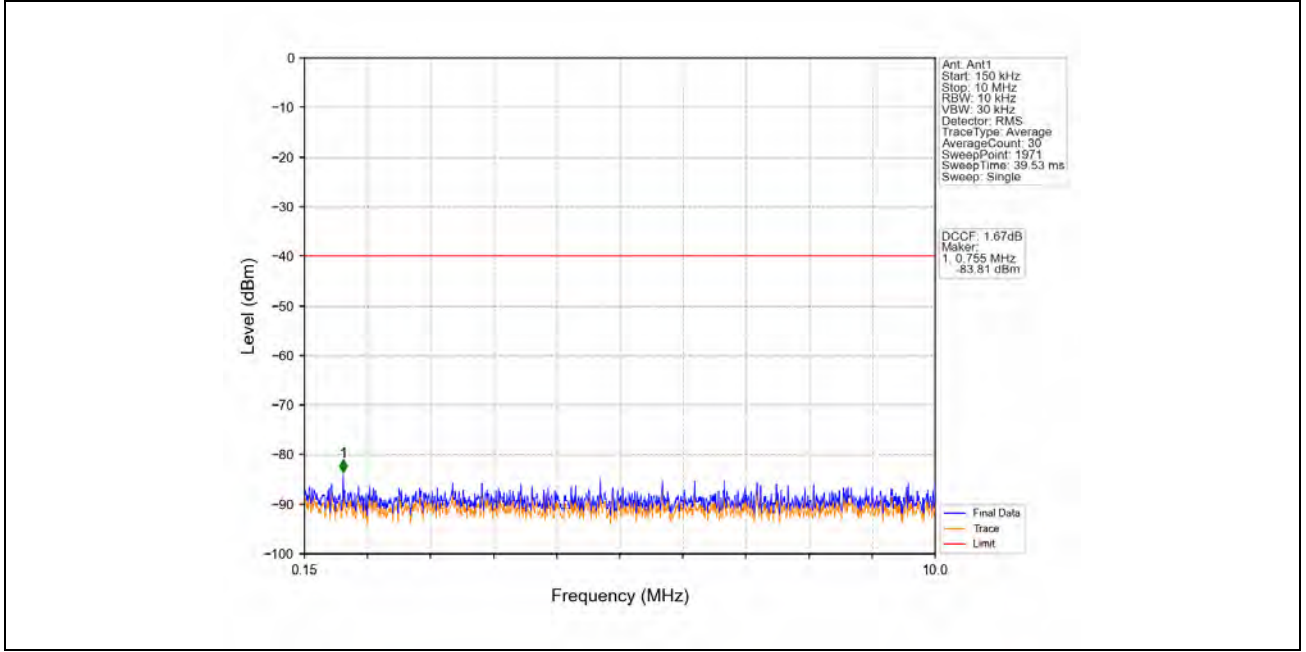
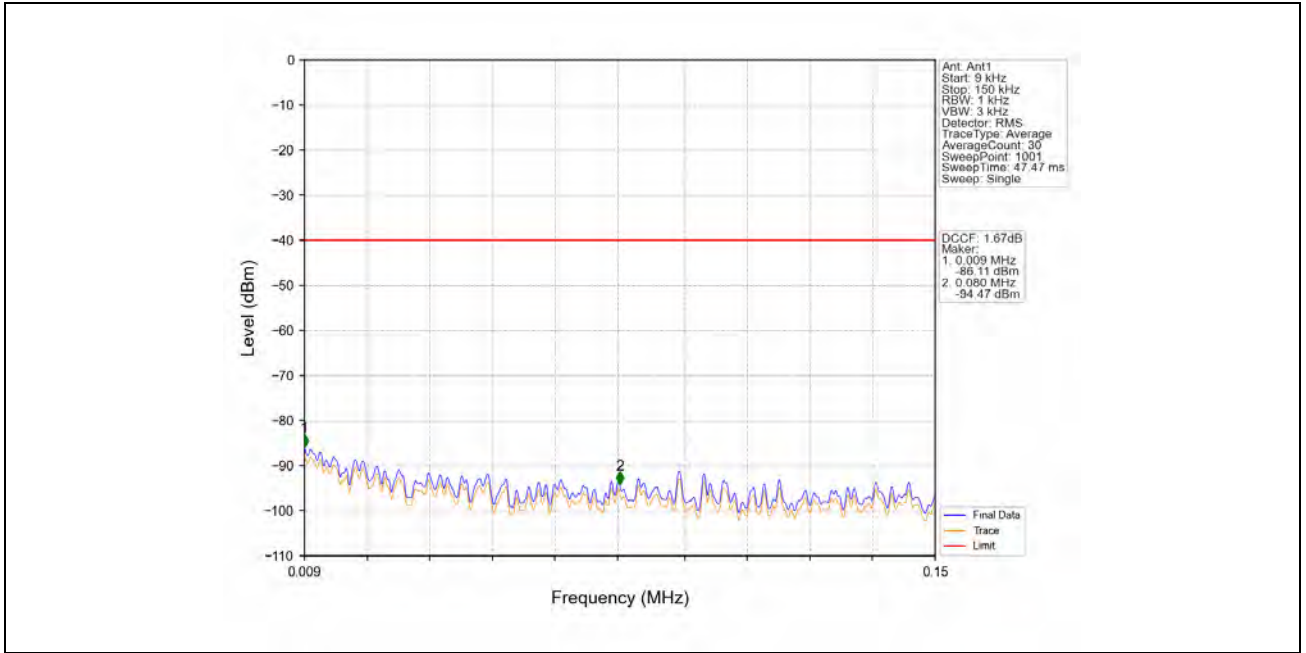


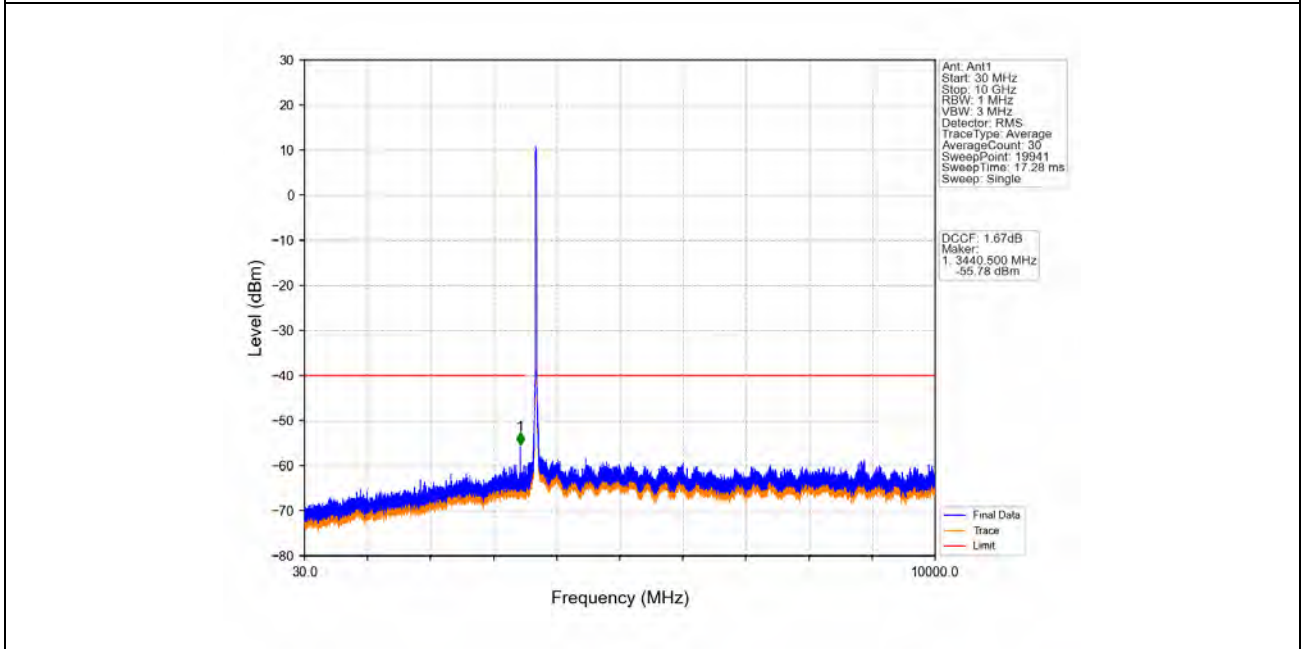
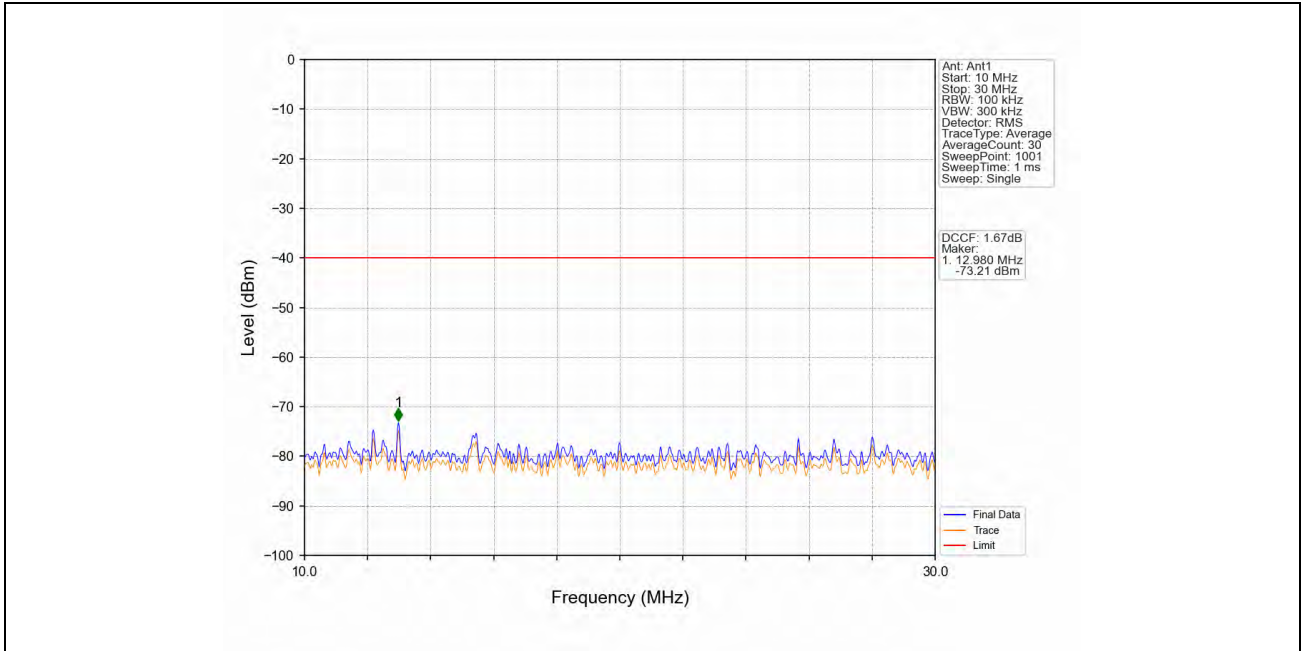


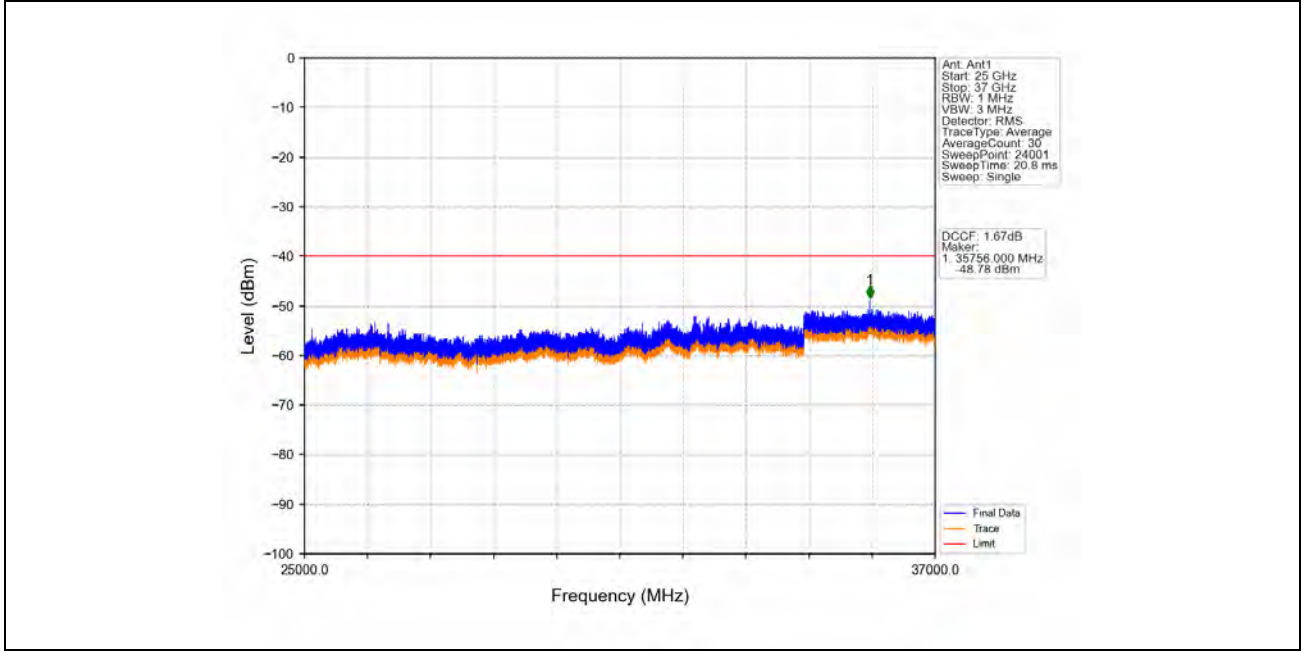
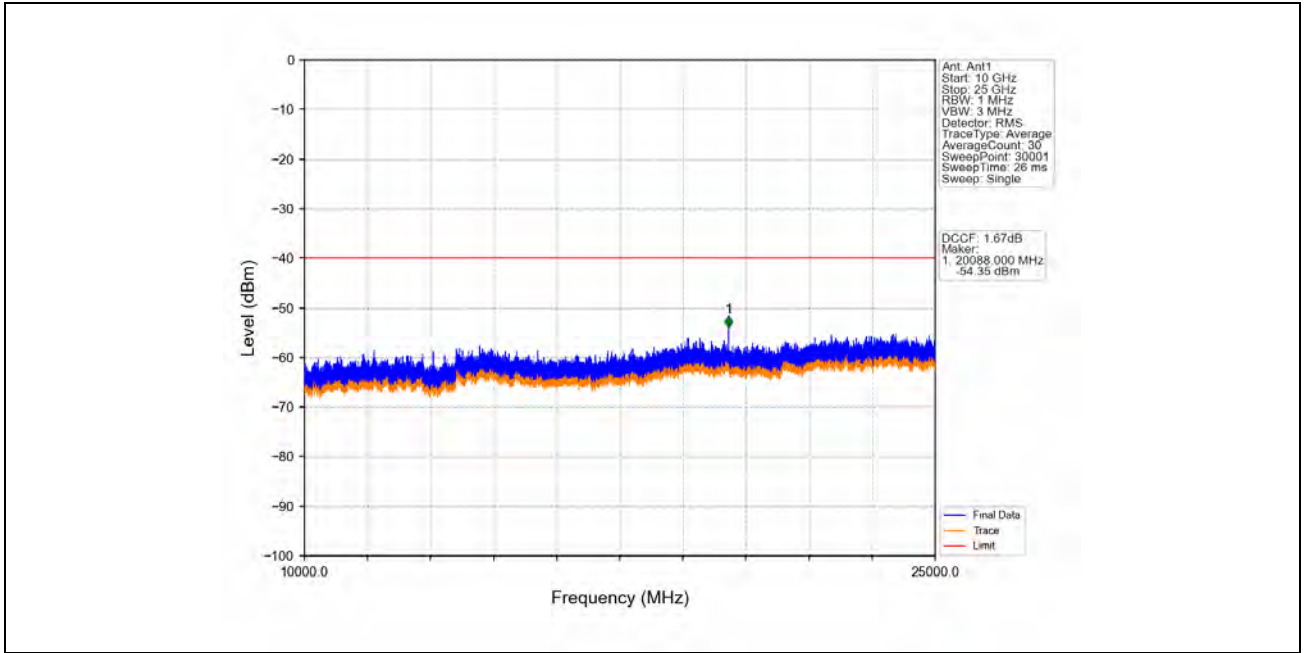












- End of the Report -